284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q3742	**OrderDate:**	12/1/2025 9:06:00 AM
Client:	Remington & Vernick	**Project:**	Saddler Property
Contact:	Justin Zarzecki	**Location:**	--Select--,A21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3742-01	**SB-1125-23**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3742-02	**SB-1125-19**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3742-03	**SB-1125-8**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3742-04	**SB-1125-9**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3742-05	**SB-1125-21**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3742-06	**SB-1125-13**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3742-07	**SB-1125-18**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/04/25	
Q3742-08	**SB-1125-20**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3742-09	**SB-1125-22**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/04/25	
Q3742-10	**SB-1125-2**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/04/25	
Q3742-16	**SB-1125-1**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/04/25	
Q3742-17	**SB-1125-25**	**SOIL**			**11/25/25**			**11/26/25**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260D		12/04/25	
Q3742-18	**SB-1125-24**	**SOIL**			**11/25/25**		**11/26/25**
			VOC-TCLVOA-10	8260D		12/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3742

Client: Remington & Vernick

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**SB-1125-19**									
Q3742-02	SB-1125-19	SOIL	Acetone		74.3		J	16.8	88.8	ug/Kg
			Total Voc :			74.3				
			Total Concentration:			74.3				
Client ID:	**SB-1125-9**									
Q3742-04	SB-1125-9	SOIL	Acetone		44.3		J	12.0	63.1	ug/Kg
			Total Voc :			44.3				
			Total Concentration:			44.3				
Client ID:	**SB-1125-18**									
Q3742-07	SB-1125-18	SOIL	Acetone		35.2		J	7.00	36.8	ug/Kg
			Total Voc :			35.2				
			Total Concentration:			35.2				
Client ID:	**SB-1125-20**									
Q3742-08	SB-1125-20	SOIL	Acetone		23.4		J	6.90	36.2	ug/Kg
			Total Voc :			23.4				
			Total Concentration:			23.4				
Client ID:	**SB-1125-22**									
Q3742-09	SB-1125-22	SOIL	Acetone		23.8		J	6.10	32.2	ug/Kg
			Total Voc :			23.8				
Q3742-09	SB-1125-22	SOIL	.alpha.-Pinene	*	26.3		J	0	0	ug/Kg
			Total Tics :			26.3				
			Total Concentration:			50.1				
Client ID:	**SB-1125-2**									
Q3742-10	SB-1125-2	SOIL	Acetone		33.0		J	6.40	33.6	ug/Kg
			Total Voc :			33.0				
			Total Concentration:			33.0				
Client ID:	**SB-1125-1**									
Q3742-16	SB-1125-1	SOIL	Acetone		22.1		J	6.70	35.6	ug/Kg
			Total Voc :			22.1				
			Total Concentration:			22.1				
Client ID:	**SB-1125-25**									
Q3742-17	SB-1125-25	SOIL	Acetone		59.3			8.00	42.4	ug/Kg
			Total Voc :			59.3				
			Total Concentration:			59.3				
Client ID:	**SB-1125-24**									
Q3742-18	SB-1125-24	SOIL	Acetone		33.2		J	7.80	41.3	ug/Kg
			Total Voc :			33.2				
			Total Concentration:			33.2				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3742

Client: Remington & Vernick

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3742-01	SB-1125-23	1,2-Dichloroethane-d4	50	61.2	122		63	155
		Dibromofluoromethane	50	54.0	108		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	45.5	91		52	138
Q3742-02	SB-1125-19	1,2-Dichloroethane-d4	50	60.6	121		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	44.4	89		52	138
Q3742-03	SB-1125-8	1,2-Dichloroethane-d4	50	59.9	120		63	155
		Dibromofluoromethane	50	53.8	108		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	44.5	89		52	138
Q3742-04	SB-1125-9	1,2-Dichloroethane-d4	50	57.8	116		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	42.8	86		52	138
Q3742-05	SB-1125-21	1,2-Dichloroethane-d4	50	60.5	121		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	39.4	79		52	138
Q3742-06	SB-1125-13	1,2-Dichloroethane-d4	50	58.3	117		63	155
		Dibromofluoromethane	50	52.9	106		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	42.6	85		52	138
Q3742-07	SB-1125-18	1,2-Dichloroethane-d4	50	47.0	94		63	155
		Dibromofluoromethane	50	48.4	97		70	134
		Toluene-d8	50	45.6	91		74	123
		4-Bromofluorobenzene	50	41.8	84		52	138
Q3742-08	SB-1125-20	1,2-Dichloroethane-d4	50	58.9	118		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	50.7	101		74	123
		4-Bromofluorobenzene	50	47.5	95		52	138
Q3742-09	SB-1125-22	1,2-Dichloroethane-d4	50	50.1	100		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	47.2	94		74	123
		4-Bromofluorobenzene	50	44.7	89		52	138
Q3742-10	SB-1125-2	1,2-Dichloroethane-d4	50	46.1	92		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	45.4	91		74	123
		4-Bromofluorobenzene	50	41.1	82		52	138
Q3742-16	SB-1125-1	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	46.6	93		74	123
		4-Bromofluorobenzene	50	41.9	84		52	138
Q3742-17	SB-1125-25	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	50.1	100		70	134
		Toluene-d8	50	46.6	93		74	123
		4-Bromofluorobenzene	50	43.2	86		52	138
Q3742-18	SB-1125-24	1,2-Dichloroethane-d4	50	52.8	106		63	155
		Dibromofluoromethane	50	49.0	98		70	134

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Surrogate Summary

SDG No.: Q3742

Client: Remington & Vernick

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3742-18	SB-1125-24	Toluene-d8	50	46.3	93		74	123
		4-Bromofluorobenzene	50	41.5	83		52	138
VY1201SBL01	VY1201SBL01	1,2-Dichloroethane-d4	50	58.3	117		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	49.5	99		74	123
		4-Bromofluorobenzene	50	42.2	84		52	138
VY1201SBS01	VY1201SBS01	1,2-Dichloroethane-d4	50	47.7	95		63	155
		Dibromofluoromethane	50	50.5	101		70	134
		Toluene-d8	50	50.2	100		74	123
		4-Bromofluorobenzene	50	49.2	98		52	138
VY1201SBSD01	VY1201SBSD01	1,2-Dichloroethane-d4	50	48.0	96		63	155
		Dibromofluoromethane	50	50.5	101		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	48.3	97		52	138
VY1202SBL01	VY1202SBL01	1,2-Dichloroethane-d4	50	62.7	125		63	155
		Dibromofluoromethane	50	54.2	108		70	134
		Toluene-d8	50	50.7	101		74	123
		4-Bromofluorobenzene	50	45.9	92		52	138
VY1202SBS01	VY1202SBS01	1,2-Dichloroethane-d4	50	47.9	96		63	155
		Dibromofluoromethane	50	48.5	97		70	134
		Toluene-d8	50	47.9	96		74	123
		4-Bromofluorobenzene	50	47.1	94		52	138
VY1204SBL01	VY1204SBL01	1,2-Dichloroethane-d4	50	57.0	114		63	155
		Dibromofluoromethane	50	49.1	98		70	134
		Toluene-d8	50	46.9	94		74	123
		4-Bromofluorobenzene	50	41.4	83		52	138
VY1204SBS01	VY1204SBS01	1,2-Dichloroethane-d4	50	48.8	98		63	155
		Dibromofluoromethane	50	49.2	98		70	134
		Toluene-d8	50	48.9	98		74	123
		4-Bromofluorobenzene	50	46.3	93		52	138

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023831.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1201SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			64	136	
	Chloromethane	20	18.5	ug/Kg	93			73	129	
	Vinyl chloride	20	19.8	ug/Kg	99			73	133	
	Bromomethane	20	19.4	ug/Kg	97			77	137	
	Chloroethane	20	20.4	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			69	134	
	1,1,2-Trichlorotrifluoroethane	20	23.0	ug/Kg	115			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	120	ug/Kg	120			60	174	
	Carbon disulfide	20	18.1	ug/Kg	91			73	125	
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			51	140	
	Methylene Chloride	20	18.8	ug/Kg	94			54	158	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			80	123	
	1,1-Dichloroethane	20	21.7	ug/Kg	109			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	23.1	ug/Kg	116			76	129	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			82	123	
	Bromochloromethane	20	19.2	ug/Kg	96			80	127	
	Chloroform	20	22.0	ug/Kg	110			82	125	
	1,1,1-Trichloroethane	20	22.3	ug/Kg	112			80	126	
	Methylcyclohexane	20	22.0	ug/Kg	110			77	123	
	Benzene	20	22.0	ug/Kg	110			84	121	
	1,2-Dichloroethane	20	22.3	ug/Kg	112			81	126	
	Trichloroethene	20	22.6	ug/Kg	113			83	122	
	1,2-Dichloropropane	20	22.6	ug/Kg	113			83	122	
	Bromodichloromethane	20	22.2	ug/Kg	111			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	22.5	ug/Kg	113			83	122	
	t-1,3-Dichloropropene	20	21.4	ug/Kg	107			78	124	
	cis-1,3-Dichloropropene	20	22.0	ug/Kg	110			81	122	
	1,1,2-Trichloroethane	20	22.0	ug/Kg	110			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	22.0	ug/Kg	110			79	125	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			80	125	
	Tetrachloroethene	20	23.3	ug/Kg	117			83	125	
	Chlorobenzene	20	22.6	ug/Kg	113			84	122	
	Ethyl Benzene	20	22.9	ug/Kg	115			82	124	
	m/p-Xylenes	40	46.2	ug/Kg	116			83	124	
	o-Xylene	20	22.5	ug/Kg	113			83	123	
	Styrene	20	22.7	ug/Kg	114			82	124	
	Bromoform	20	21.9	ug/Kg	110			75	127	
	Isopropylbenzene	20	22.6	ug/Kg	113			82	124	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	21.6	ug/Kg	108			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.9	ug/Kg	110			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023831.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1201SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			66	134	
	1,2,4-Trichlorobenzene	20	20.8	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	21.2	ug/Kg	106			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023832.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1201SBSD01	Dichlorodifluoromethane	20	22.3	ug/Kg	112	0		64	136	20
	Chloromethane	20	18.7	ug/Kg	94	1		73	129	15
	Vinyl chloride	20	19.8	ug/Kg	99	0		73	133	15
	Bromomethane	20	19.4	ug/Kg	97	0		77	137	15
	Chloroethane	20	20.2	ug/Kg	101	1		69	130	15
	Trichlorofluoromethane	20	21.9	ug/Kg	110	0		69	134	27
	1,1,2-Trichlorotrifluoroethane	20	23.1	ug/Kg	116	1		81	123	20
	1,1-Dichloroethene	20	21.4	ug/Kg	107	1		79	121	16
	Acetone	100	130	ug/Kg	130	8		60	174	28
	Carbon disulfide	20	18.0	ug/Kg	90	1		73	125	15
	Methyl tert-butyl Ether	20	21.8	ug/Kg	109	6		77	129	20
	Methyl Acetate	20	20.3	ug/Kg	102	10		51	140	30
	Methylene Chloride	20	19.2	ug/Kg	96	2		54	158	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	0		80	123	15
	1,1-Dichloroethane	20	22.0	ug/Kg	110	1		82	123	15
	Cyclohexane	20	21.3	ug/Kg	106	1		76	122	15
	2-Butanone	100	120	ug/Kg	120	9		69	131	29
	Carbon Tetrachloride	20	22.3	ug/Kg	112	4		76	129	15
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108	3		82	123	15
	Bromochloromethane	20	19.5	ug/Kg	98	2		80	127	15
	Chloroform	20	22.1	ug/Kg	111	1		82	125	15
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113	1		80	126	15
	Methylcyclohexane	20	21.8	ug/Kg	109	1		77	123	15
	Benzene	20	21.8	ug/Kg	109	1		84	121	15
	1,2-Dichloroethane	20	22.5	ug/Kg	113	1		81	126	15
	Trichloroethene	20	22.3	ug/Kg	112	1		83	122	15
	1,2-Dichloropropane	20	22.7	ug/Kg	114	1		83	122	15
	Bromodichloromethane	20	22.4	ug/Kg	112	1		82	123	15
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	26
	Toluene	20	22.4	ug/Kg	112	1		83	122	15
	t-1,3-Dichloropropene	20	21.8	ug/Kg	109	2		78	124	15
	cis-1,3-Dichloropropene	20	21.8	ug/Kg	109	1		81	122	15
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115	4		82	125	15
	2-Hexanone	100	120	ug/Kg	120	9		66	138	27
	Dibromochloromethane	20	22.4	ug/Kg	112	2		79	125	15
	1,2-Dibromoethane	20	22.1	ug/Kg	111	5		80	125	16
	Tetrachloroethene	20	23.1	ug/Kg	116	1		83	125	15
	Chlorobenzene	20	22.2	ug/Kg	111	2		84	122	15
	Ethyl Benzene	20	22.6	ug/Kg	113	2		82	124	15
	m/p-Xylenes	40	45.5	ug/Kg	114	2		83	124	15
	o-Xylene	20	22.3	ug/Kg	112	1		83	123	15
	Styrene	20	22.7	ug/Kg	114	0		82	124	15
	Bromoform	20	22.2	ug/Kg	111	1		75	127	16
	Isopropylbenzene	20	22.7	ug/Kg	114	1		82	124	15
	1,1,2,2-Tetrachloroethane	20	22.6	ug/Kg	113	8		77	127	21
	1,3-Dichlorobenzene	20	22.3	ug/Kg	112	4		83	122	15
	1,4-Dichlorobenzene	20	21.9	ug/Kg	110	2		84	121	15
	1,2-Dichlorobenzene	20	22.5	ug/Kg	113	3		83	124	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023832.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1201SBSD01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/Kg	109	11		66	134	20
	1,2,4-Trichlorobenzene	20	21.7	ug/Kg	109	5		78	127	20
	1,2,3-Trichlorobenzene	20	22.2	ug/Kg	111	5		70	137	16

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1202SBS01	Dichlorodifluoromethane	20	21.7	ug/Kg	109			64	136	
	Chloromethane	20	18.4	ug/Kg	92			73	129	
	Vinyl chloride	20	19.2	ug/Kg	96			73	133	
	Bromomethane	20	20.3	ug/Kg	102			77	137	
	Chloroethane	20	20.1	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	21.3	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.8	ug/Kg	114			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	130	ug/Kg	130			60	174	
	Carbon disulfide	20	17.4	ug/Kg	87			73	125	
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104			77	129	
	Methyl Acetate	20	19.4	ug/Kg	97			51	140	
	Methylene Chloride	20	19.4	ug/Kg	97			54	158	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	20.3	ug/Kg	102			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	21.8	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	18.9	ug/Kg	95			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	20.5	ug/Kg	103			77	123	
	Benzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	21.8	ug/Kg	109			81	126	
	Trichloroethene	20	21.6	ug/Kg	108			83	122	
	1,2-Dichloropropane	20	21.9	ug/Kg	110			83	122	
	Bromodichloromethane	20	21.9	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.6	ug/Kg	108			83	122	
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.4	ug/Kg	107			81	122	
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	21.8	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	21.3	ug/Kg	106			80	125	
	Tetrachloroethene	20	22.1	ug/Kg	111			83	125	
	Chlorobenzene	20	21.3	ug/Kg	106			84	122	
	Ethyl Benzene	20	21.4	ug/Kg	107			82	124	
	m/p-Xylenes	40	43.4	ug/Kg	109			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	21.6	ug/Kg	108			75	127	
	Isopropylbenzene	20	21.4	ug/Kg	107			82	124	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/Kg	108			77	127	
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105			83	122	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1202SBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			78	127	
	1,2,3-Trichlorobenzene	20	20.1	ug/Kg	101			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3742**	**Analytical Method:**	**SW8260D**
Client:	**Remington & Vernick**	**Datafile :**	VY023879.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1204SBS01	Dichlorodifluoromethane	20	19.5	ug/Kg	98			64	136	
	Chloromethane	20	18.6	ug/Kg	93			73	129	
	Vinyl chloride	20	18.7	ug/Kg	94			73	133	
	Bromomethane	20	20.1	ug/Kg	101			77	137	
	Chloroethane	20	19.5	ug/Kg	98			69	130	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			81	123	
	1,1-Dichloroethene	20	19.5	ug/Kg	98			79	121	
	Acetone	100	120	ug/Kg	120			60	174	
	Carbon disulfide	20	17.5	ug/Kg	88			73	125	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			77	129	
	Methyl Acetate	20	21.1	ug/Kg	106			51	140	
	Methylene Chloride	20	18.5	ug/Kg	93			54	158	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			80	123	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			82	123	
	Cyclohexane	20	18.4	ug/Kg	92			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			82	123	
	Bromochloromethane	20	19.0	ug/Kg	95			80	127	
	Chloroform	20	20.1	ug/Kg	101			82	125	
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100			80	126	
	Methylcyclohexane	20	18.3	ug/Kg	92			77	123	
	Benzene	20	19.8	ug/Kg	99			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	20.3	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	20.8	ug/Kg	104			83	125	
	Chlorobenzene	20	20.4	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.9	ug/Kg	100			82	124	
	m/p-Xylenes	40	40.4	ug/Kg	101			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	20.0	ug/Kg	100			82	124	
	Bromoform	20	20.7	ug/Kg	104			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3742 **Analytical Method:** SW8260D

Client: Remington & Vernick **Datafile :** VY023879.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1204SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			78	127	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1201SBL01

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023830.D Lab Sample ID: VY1201SBL01

Date Analyzed: 12/01/2025 Time Analyzed: 09:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1201SBS01	VY1201SBS01	VY023831.D	12/01/2025
VY1201SBSD01	VY1201SBSD01	VY023832.D	12/01/2025
SB-1125-23	Q3742-01	VY023843.D	12/01/2025
SB-1125-19	Q3742-02	VY023844.D	12/01/2025
SB-1125-8	Q3742-03	VY023845.D	12/01/2025
SB-1125-9	Q3742-04	VY023846.D	12/01/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1202SBL01

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023850.D Lab Sample ID: VY1202SBL01

Date Analyzed: 12/02/2025 Time Analyzed: 10:24

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1202SBS01	VY1202SBS01	VY023851.D	12/02/2025
SB-1125-21	Q3742-05	VY023853.D	12/02/2025
SB-1125-13	Q3742-06	VY023859.D	12/02/2025
SB-1125-20	Q3742-08	VY023861.D	12/02/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1204SBL01

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023878.D Lab Sample ID: VY1204SBL01

Date Analyzed: 12/04/2025 Time Analyzed: 08:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1204SBS01	VY1204SBS01	VY023879.D	12/04/2025
SB-1125-1	Q3742-16	VY023888.D	12/04/2025
SB-1125-25	Q3742-17	VY023889.D	12/04/2025
SB-1125-24	Q3742-18	VY023890.D	12/04/2025
SB-1125-22	Q3742-09	VY023893.D	12/04/2025
SB-1125-18	Q3742-07	VY023894.D	12/04/2025
SB-1125-2	Q3742-10	VY023895.D	12/04/2025

COMMENTS:

Raw Data: **VY023808.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI01

Lab Code: ACE | SDG NO.: Q3742

Lab File ID: VY023808.D | BFB Injection Date: 11/26/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 07:11

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	87.3
175	5.0 - 9.0% of mass 174	6.4 (7.4) 1
176	95.0 - 101.0% of mass 174	83.8 (96) 1
177	5.0 - 9.0% of mass 176	5.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023809.D	11/26/2025	08:04
VSTDICC010	VSTDICC010	VY023810.D	11/26/2025	08:27
VSTDICC020	VSTDICC020	VY023811.D	11/26/2025	08:49
VSTDICCC050	VSTDICCC050	VY023812.D	11/26/2025	09:17
VSTDICC100	VSTDICC100	VY023813.D	11/26/2025	09:39
VSTDICC150	VSTDICC150	VY023814.D	11/26/2025	10:02

Raw Data: **VY023828.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI01

Lab Code: ACE | SDG NO.: Q3742

Lab File ID: VY023828.D | BFB Injection Date: 12/01/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 07:24

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	82.5
175	5.0 - 9.0% of mass 174	5.8 (7) 1
176	95.0 - 101.0% of mass 174	79.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023829.D	12/01/2025	07:55
VY1201SBL01	VY1201SBL01	VY023830.D	12/01/2025	09:13
VY1201SBS01	VY1201SBS01	VY023831.D	12/01/2025	09:37
VY1201SBSD01	VY1201SBSD01	VY023832.D	12/01/2025	10:00
SB-1125-23	Q3742-01	VY023843.D	12/01/2025	15:10
SB-1125-19	Q3742-02	VY023844.D	12/01/2025	15:33
SB-1125-8	Q3742-03	VY023845.D	12/01/2025	15:57
SB-1125-9	Q3742-04	VY023846.D	12/01/2025	16:20

Raw Data: **VY023848.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG NO.: Q3742
Lab File ID: VY023848.D
BFB Injection Date: 12/02/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 06:50
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	89.4
175	5.0 - 9.0% of mass 174	6.9 (7.7) 1
176	95.0 - 101.0% of mass 174	85.2 (95.2) 1
177	5.0 - 9.0% of mass 176	5.7 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023849.D	12/02/2025	09:14
VY1202SBL01	VY1202SBL01	VY023850.D	12/02/2025	10:24
VY1202SBS01	VY1202SBS01	VY023851.D	12/02/2025	10:53
SB-1125-21	Q3742-05	VY023853.D	12/02/2025	12:08
SB-1125-13	Q3742-06	VY023859.D	12/02/2025	14:29
SB-1125-20	Q3742-08	VY023861.D	12/02/2025	15:57

Raw Data: **VY023864.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG NO.: Q3742
Lab File ID: VY023864.D
BFB Injection Date: 12/03/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 07:40
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	92
175	5.0 - 9.0% of mass 174	6.9 (7.5) 1
176	95.0 - 101.0% of mass 174	87.9 (95.6) 1
177	5.0 - 9.0% of mass 176	6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY023868.D	12/03/2025	14:05
VSTDICC020	VSTDICC020	VY023869.D	12/03/2025	14:27
VSTDICCC050	VSTDICCC050	VY023870.D	12/03/2025	14:50
VSTDICC100	VSTDICC100	VY023871.D	12/03/2025	15:12
VSTDICC150	VSTDICC150	VY023872.D	12/03/2025	15:35
VSTDICC005	VSTDICC005	VY023874.D	12/03/2025	16:23

Raw Data: **VY023876.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG NO.: Q3742
Lab File ID: VY023876.D
BFB Injection Date: 12/04/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 07:00
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	88.6
175	5.0 - 9.0% of mass 174	6.5 (7.3) 1
176	95.0 - 101.0% of mass 174	85.8 (96.9) 1
177	5.0 - 9.0% of mass 176	5.9 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023877.D	12/04/2025	07:31
VY1204SBL01	VY1204SBL01	VY023878.D	12/04/2025	08:40
VY1204SBS01	VY1204SBS01	VY023879.D	12/04/2025	09:04
SB-1125-1	Q3742-16	VY023888.D	12/04/2025	12:45
SB-1125-25	Q3742-17	VY023889.D	12/04/2025	13:09
SB-1125-24	Q3742-18	VY023890.D	12/04/2025	13:32
SB-1125-22	Q3742-09	VY023893.D	12/04/2025	14:43
SB-1125-18	Q3742-07	VY023894.D	12/04/2025	15:06
SB-1125-2	Q3742-10	VY023895.D	12/04/2025	15:29

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023829.D Date Analyzed: 12/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 07:55

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	565841	7.71	855261	8.62	736930	11.42
UPPER LIMIT	1131680	8.213	1710520	9.122	1473860	11.92
LOWER LIMIT	282921	7.213	427631	8.122	368465	10.92
EPA SAMPLE NO.						
SB-1125-23	656114	7.71	1207708	8.62	1048441	11.41
SB-1125-19	639201	7.71	1174775	8.62	1006083	11.41
SB-1125-8	608834	7.71	1113703	8.62	955695	11.41
SB-1125-9	620754	7.71	1130173	8.62	961054	11.41
VY1201SBL01	719047	7.71	1221329	8.62	995220	11.42
VY1201SBS01	535284	7.71	821167	8.62	693280	11.42
VY1201SBSD01	526036	7.71	818117	8.62	695554	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023829.D Date Analyzed: 12/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 07:55

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	375940	13.352				
UPPER LIMIT	751880	13.852				
LOWER LIMIT	187970	12.852				
EPA SAMPLE NO.						
SB-1125-23	433339	13.35				
SB-1125-19	405217	13.35				
SB-1125-8	376385	13.35				
SB-1125-9	366679	13.35				
VY1201SBL01	399677	13.35				
VY1201SBS01	360194	13.35				
VY1201SBSD01	353062	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023849.D Date Analyzed: 12/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:14

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	504446	7.72	785836	8.62	674684	11.42
UPPER LIMIT	1008890	8.22	1571670	9.122	1349370	11.92
LOWER LIMIT	252223	7.22	392918	8.122	337342	10.92
EPA SAMPLE NO.						
SB-1125-21	665144	7.72	1217438	8.62	982717	11.42
SB-1125-13	636410	7.71	1167519	8.62	987282	11.42
SB-1125-20	669833	7.71	1222438	8.62	1079191	11.42
VY1202SBL01	690111	7.71	1278486	8.62	1125521	11.42
VY1202SBS01	491473	7.71	764018	8.62	662350	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023849.D Date Analyzed: 12/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:14

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	345634	13.353				
UPPER LIMIT	691268	13.853				
LOWER LIMIT	172817	12.853				
EPA SAMPLE NO.						
SB-1125-21	346373	13.35				
SB-1125-13	379120	13.35				
SB-1125-20	471581	13.35				
VY1202SBL01	454228	13.35				
VY1202SBS01	339534	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023877.D Date Analyzed: 12/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 07:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	520627	7.72	774985	8.62	669312	11.42
UPPER LIMIT	1041250	8.219	1549970	9.122	1338620	11.92
LOWER LIMIT	260314	7.219	387493	8.122	334656	10.92
EPA SAMPLE NO.						
SB-1125-18	781859	7.71	1291434	8.62	1105691	11.42
SB-1125-22	803856	7.71	1376820	8.62	1230434	11.42
SB-1125-2	804667	7.71	1357896	8.62	1169651	11.41
SB-1125-1	757757	7.71	1302856	8.62	1139174	11.42
SB-1125-25	676192	7.71	1168984	8.62	1032423	11.42
SB-1125-24	754176	7.71	1322794	8.62	1144208	11.42
VY1204SBL01	753303	7.71	1347495	8.62	1163906	11.42
VY1204SBS01	494998	7.71	762810	8.62	650156	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG NO.: Q3742

Lab File ID: VY023877.D Date Analyzed: 12/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 07:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	343252	13.353				
UPPER LIMIT	686504	13.853				
LOWER LIMIT	171626	12.853				
EPA SAMPLE NO.						
SB-1125-18	482687	13.35				
SB-1125-22	551526	13.35				
SB-1125-2	504866	13.35				
SB-1125-1	483490	13.35				
SB-1125-25	459524	13.35				
SB-1125-24	497891	13.35				
VY1204SBL01	486950	13.35				
VY1204SBS01	339898	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VY023843.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-23			SDG No.:	Q3742
Lab Sample ID:	Q3742-01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	70.1
Sample Wt/Vol:	2.62 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	3.10	U	1	3.10	13.6	ug/Kg	12/01/25 15:10	VY120125
74-87-3	Chloromethane	3.10	U	1	3.10	13.6	ug/Kg	12/01/25 15:10	VY120125
75-01-4	Vinyl Chloride	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
74-83-9	Bromomethane	2.90	U	1	2.90	13.6	ug/Kg	12/01/25 15:10	VY120125
75-00-3	Chloroethane	3.40	U	1	3.40	13.6	ug/Kg	12/01/25 15:10	VY120125
75-69-4	Trichlorofluoromethane	3.30	U	1	3.30	13.6	ug/Kg	12/01/25 15:10	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	1	2.90	13.6	ug/Kg	12/01/25 15:10	VY120125
75-35-4	1,1-Dichloroethene	2.70	U	1	2.70	13.6	ug/Kg	12/01/25 15:10	VY120125
67-64-1	Acetone	12.9	U	1	12.9	68.1	ug/Kg	12/01/25 15:10	VY120125
75-15-0	Carbon Disulfide	2.90	U	1	2.90	13.6	ug/Kg	12/01/25 15:10	VY120125
1634-04-4	Methyl tert-butyl Ether	2.00	U	1	2.00	13.6	ug/Kg	12/01/25 15:10	VY120125
79-20-9	Methyl Acetate	4.20	U	1	4.20	13.6	ug/Kg	12/01/25 15:10	VY120125
75-09-2	Methylene Chloride	9.60	U	1	9.60	27.2	ug/Kg	12/01/25 15:10	VY120125
156-60-5	trans-1,2-Dichloroethene	2.30	U	1	2.30	13.6	ug/Kg	12/01/25 15:10	VY120125
75-34-3	1,1-Dichloroethane	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
110-82-7	Cyclohexane	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
78-93-3	2-Butanone	17.8	U	1	17.8	68.1	ug/Kg	12/01/25 15:10	VY120125
56-23-5	Carbon Tetrachloride	2.60	U	1	2.60	13.6	ug/Kg	12/01/25 15:10	VY120125
156-59-2	cis-1,2-Dichloroethene	2.00	U	1	2.00	13.6	ug/Kg	12/01/25 15:10	VY120125
74-97-5	Bromochloromethane	3.10	U	1	3.10	13.6	ug/Kg	12/01/25 15:10	VY120125
67-66-3	Chloroform	2.30	U	1	2.30	13.6	ug/Kg	12/01/25 15:10	VY120125
71-55-6	1,1,1-Trichloroethane	2.50	U	1	2.50	13.6	ug/Kg	12/01/25 15:10	VY120125
108-87-2	Methylcyclohexane	2.50	U	1	2.50	13.6	ug/Kg	12/01/25 15:10	VY120125
71-43-2	Benzene	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
107-06-2	1,2-Dichloroethane	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
79-01-6	Trichloroethene	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
78-87-5	1,2-Dichloropropane	2.50	U	1	2.50	13.6	ug/Kg	12/01/25 15:10	VY120125
75-27-4	Bromodichloromethane	2.10	U	1	2.10	13.6	ug/Kg	12/01/25 15:10	VY120125
108-10-1	4-Methyl-2-Pentanone	9.70	U	1	9.70	68.1	ug/Kg	12/01/25 15:10	VY120125
108-88-3	Toluene	2.10	U	1	2.10	13.6	ug/Kg	12/01/25 15:10	VY120125
10061-02-6	t-1,3-Dichloropropene	1.80	U	1	1.80	13.6	ug/Kg	12/01/25 15:10	VY120125
10061-01-5	cis-1,3-Dichloropropene	1.70	U	1	1.70	13.6	ug/Kg	12/01/25 15:10	VY120125
79-00-5	1,1,2-Trichloroethane	2.50	U	1	2.50	13.6	ug/Kg	12/01/25 15:10	VY120125
591-78-6	2-Hexanone	10.0	U	1	10.0	68.1	ug/Kg	12/01/25 15:10	VY120125
124-48-1	Dibromochloromethane	2.40	U	1	2.40	13.6	ug/Kg	12/01/25 15:10	VY120125
106-93-4	1,2-Dibromoethane	2.40	U	1	2.40	13.6	ug/Kg	12/01/25 15:10	VY120125
127-18-4	Tetrachloroethene	2.90	U	1	2.90	13.6	ug/Kg	12/01/25 15:10	VY120125
108-90-7	Chlorobenzene	2.50	U	1	2.50	13.6	ug/Kg	12/01/25 15:10	VY120125
100-41-4	Ethyl Benzene	1.80	U	1	1.80	13.6	ug/Kg	12/01/25 15:10	VY120125
179601-23-1	m/p-Xylenes	3.40	U	1	3.40	27.2	ug/Kg	12/01/25 15:10	VY120125
95-47-6	o-Xylene	2.20	U	1	2.20	13.6	ug/Kg	12/01/25 15:10	VY120125
100-42-5	Styrene	1.90	U	1	1.90	13.6	ug/Kg	12/01/25 15:10	VY120125
75-25-2	Bromoform	2.30	U	1	2.30	13.6	ug/Kg	12/01/25 15:10	VY120125

Raw Data: **VY023843.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-23			SDG No.:	Q3742
Lab Sample ID:	Q3742-01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	70.1
Sample Wt/Vol:	2.62 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.10	U	1	2.10	13.6	ug/Kg	12/01/25 15:10	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	3.30	U	1	3.30	13.6	ug/Kg	12/01/25 15:10	VY120125
541-73-1	1,3-Dichlorobenzene	4.70	U	1	4.70	13.6	ug/Kg	12/01/25 15:10	VY120125
106-46-7	1,4-Dichlorobenzene	4.20	U	1	4.20	13.6	ug/Kg	12/01/25 15:10	VY120125
95-50-1	1,2-Dichlorobenzene	3.90	U	1	3.90	13.6	ug/Kg	12/01/25 15:10	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	5.00	13.6	ug/Kg	12/01/25 15:10	VY120125
120-82-1	1,2,4-Trichlorobenzene	8.10	U	1	8.10	13.6	ug/Kg	12/01/25 15:10	VY120125
87-61-6	1,2,3-Trichlorobenzene	8.70	U	1	8.70	13.6	ug/Kg	12/01/25 15:10	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.2			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.0			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	50.9			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.5			52 - 138	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	656000							
540-36-3	1,4-Difluorobenzene	1210000							
3114-55-4	Chlorobenzene-d5	1050000							
3855-82-1	1,4-Dichlorobenzene-d4	433000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Quant Time: Dec 02 03:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	656114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1207708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1048441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	433339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	390837	61.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.340%			
35) Dibromofluoromethane	7.634	113	386244	53.987	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.980%			
50) Toluene-d8	10.109	98	1445760	50.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.408	95	425798	45.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.080%			

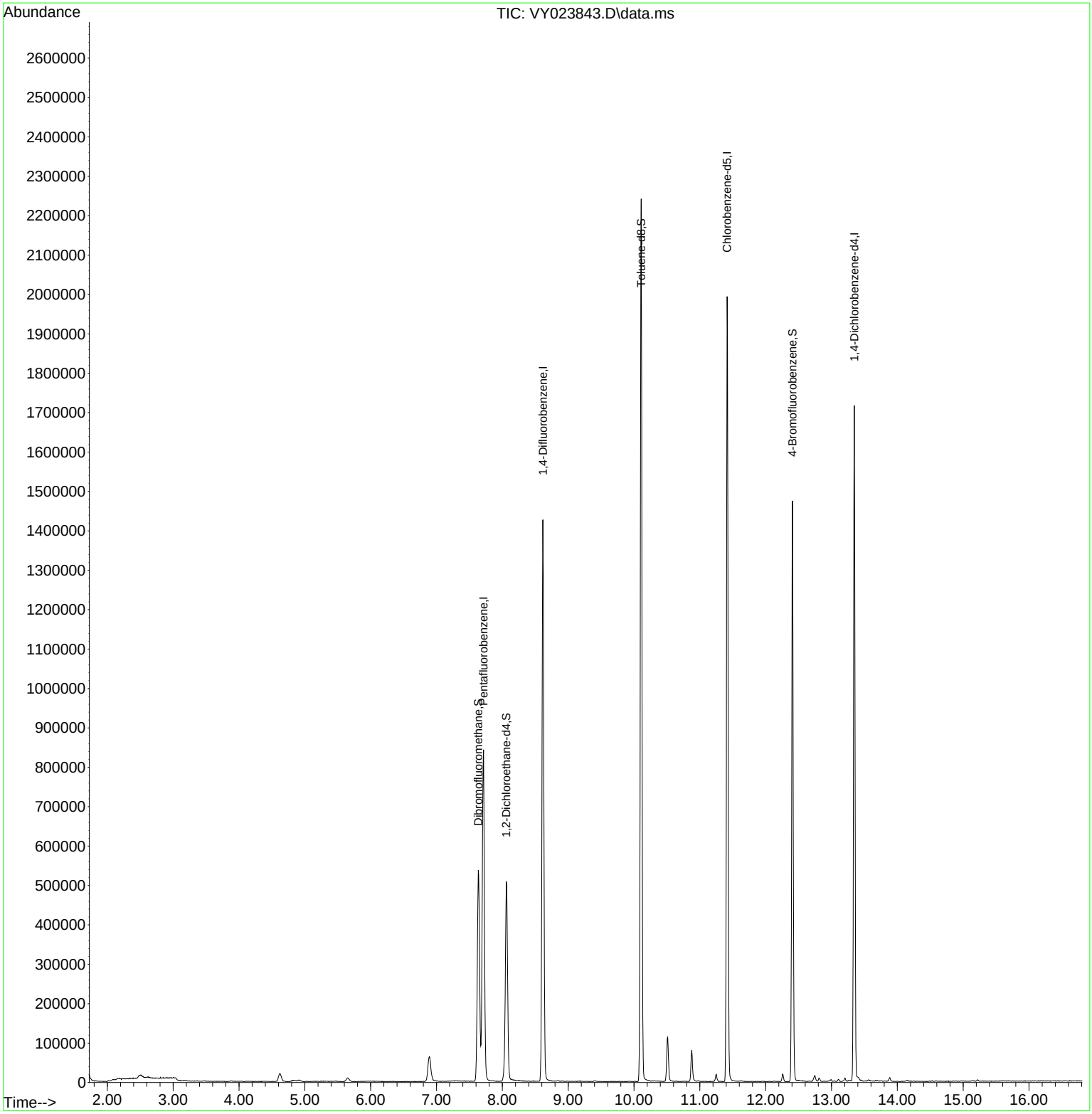
Target Compounds Qvalue

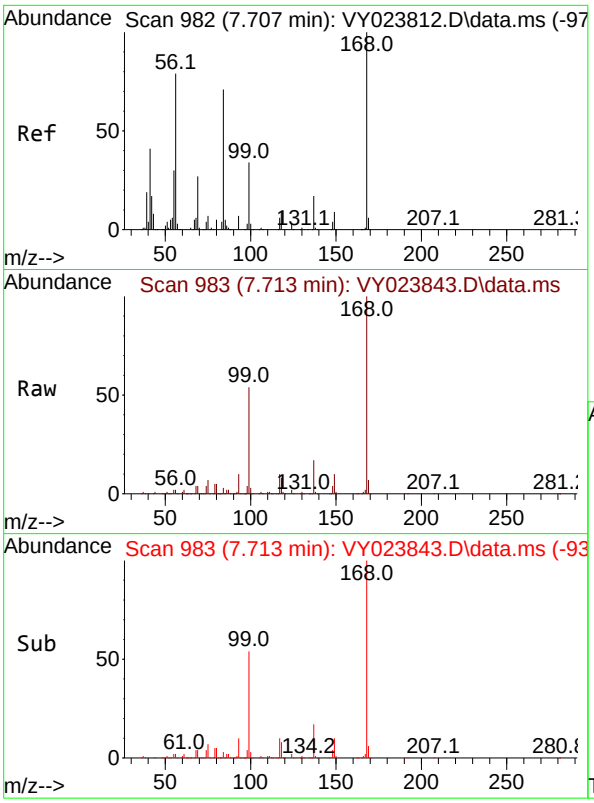
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Quant Time: Dec 02 03:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



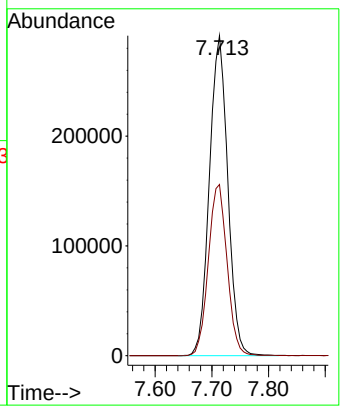


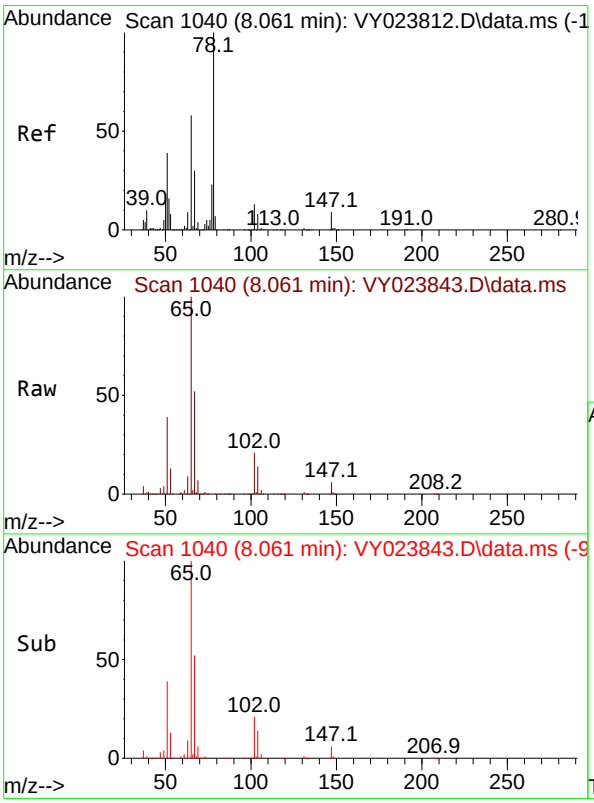
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Tgt Ion:168 Resp: 656114

Ion	Ratio	Lower	Upper
168	100		
99	53.5	44.0	66.0

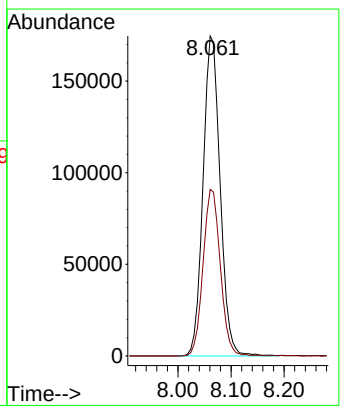


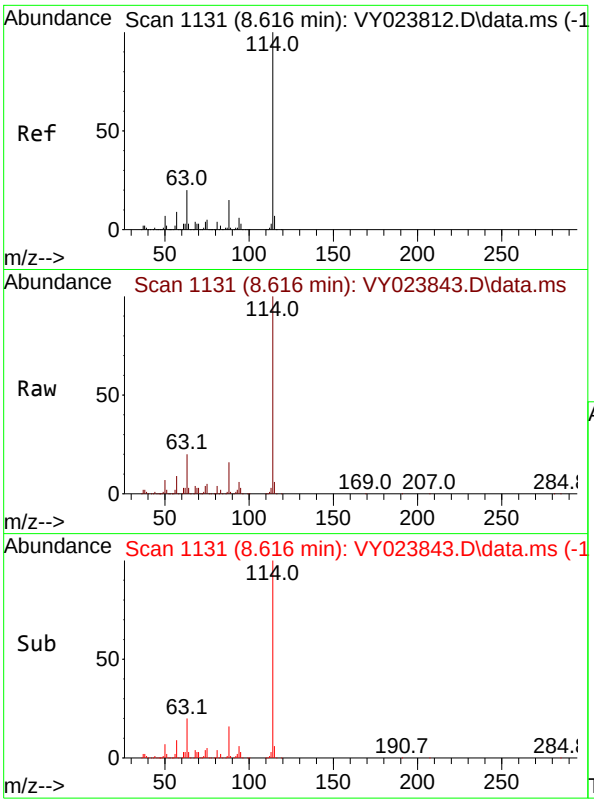


#33
1,2-Dichloroethane-d4
Concen: 61.168 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 65 Resp: 390837

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.4



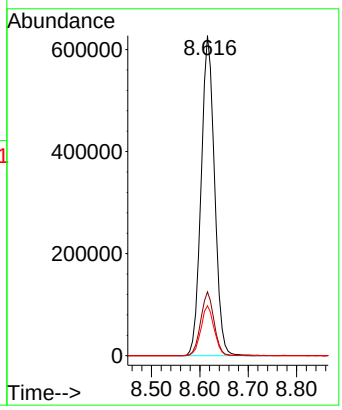


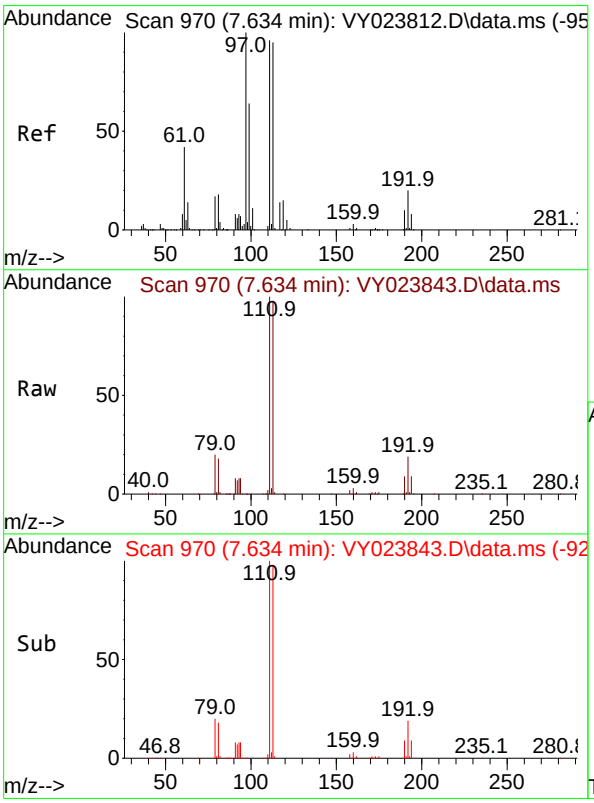
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Tgt Ion:114 Resp: 1207708

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.4
88	15.6	0.0	30.8

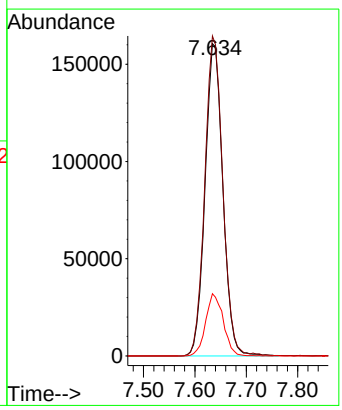


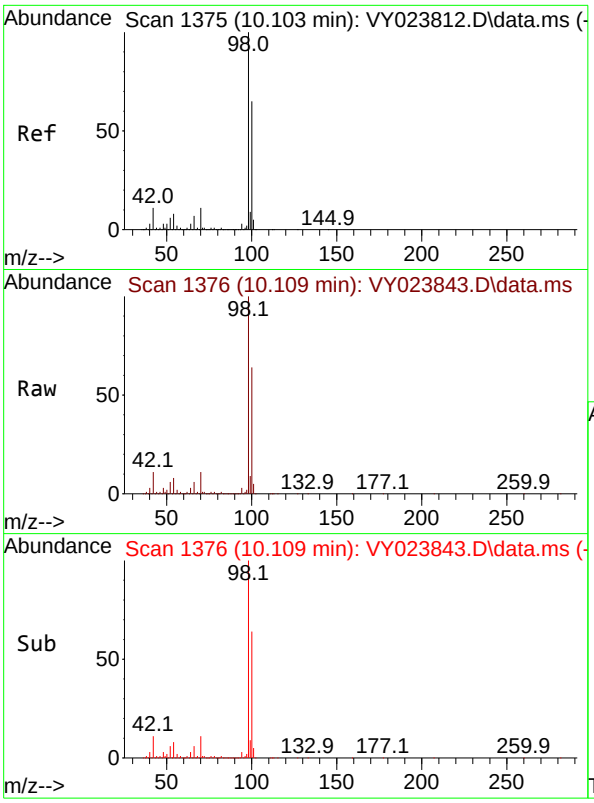


#35
Dibromofluoromethane
Concen: 53.987 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion:113 Resp: 386244

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.8	15.8	23.8



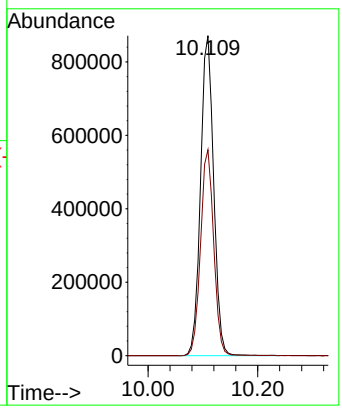


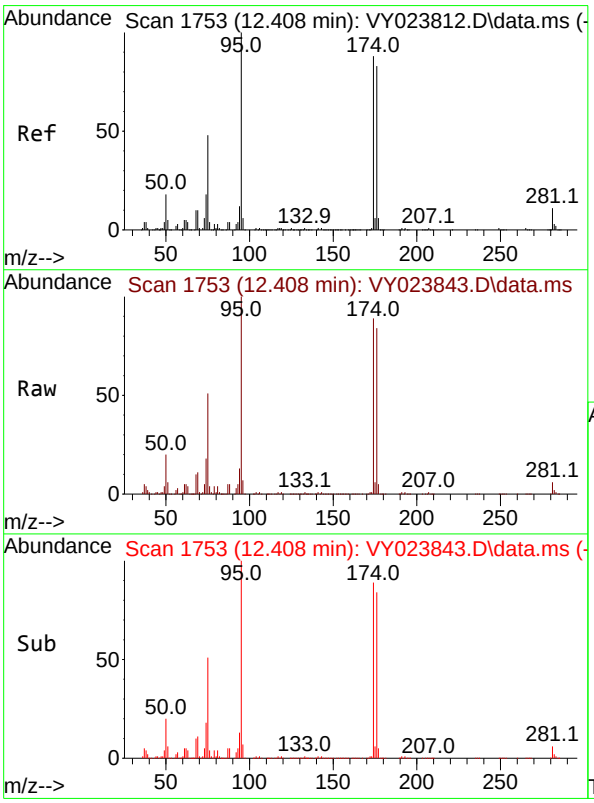
#50
Toluene-d8
Concen: 50.877 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Tgt Ion: 98 Resp: 1445760

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9

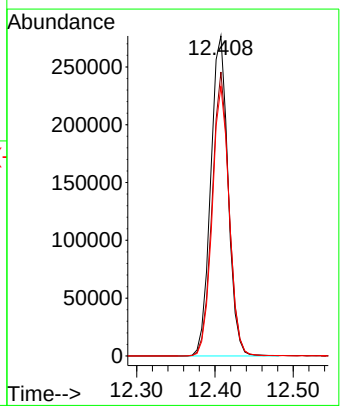


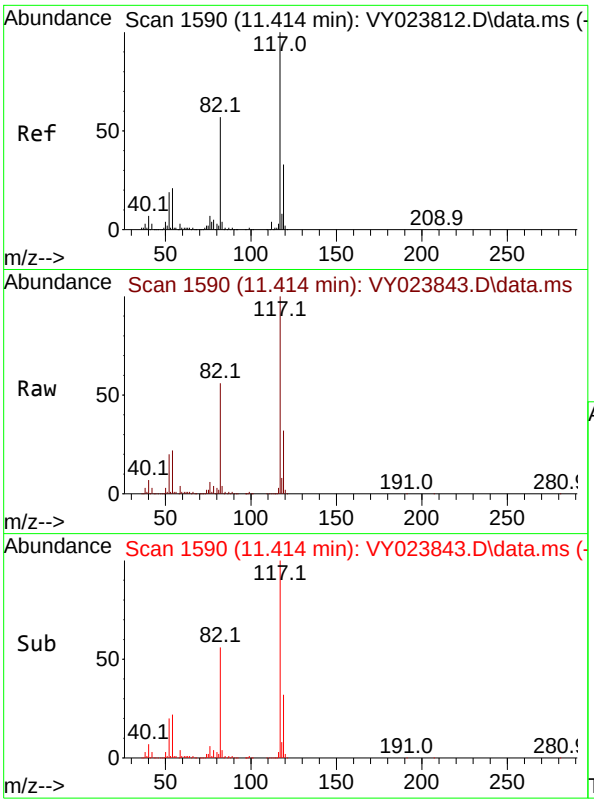


#62
4-Bromofluorobenzene
Concen: 45.539 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 95 Resp: 425798

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	168.6
176	82.8	0.0	164.6



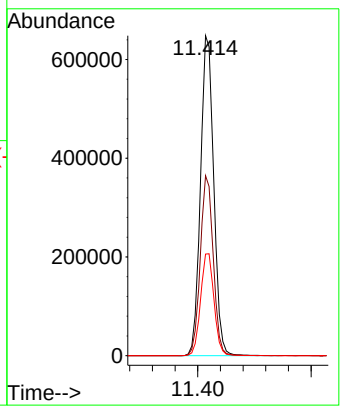


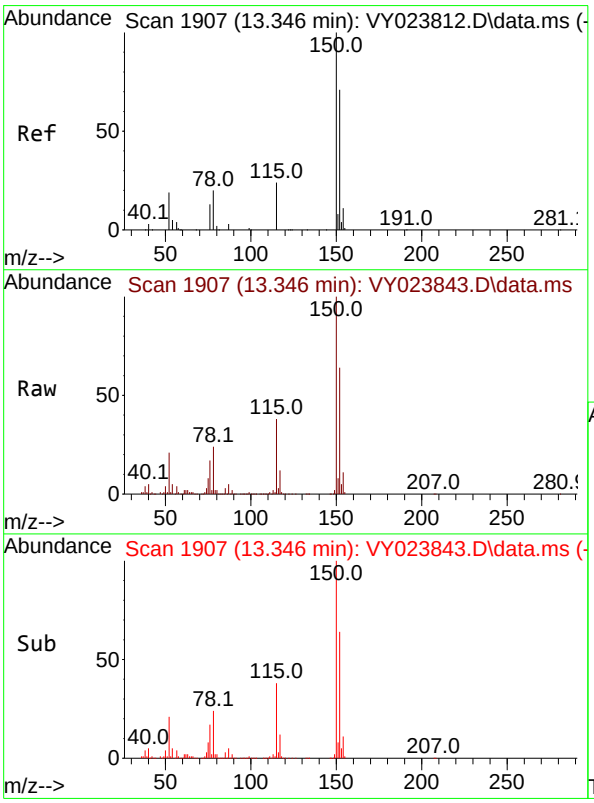
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Tgt Ion:117 Resp: 1048441

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	31.8	26.0	39.0

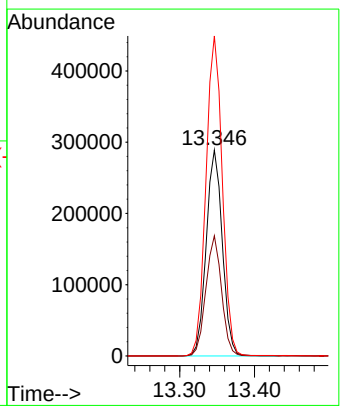




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion:152 Resp: 433339

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.7	86.3
150	157.4	0.0	345.6



Sample Results: **VY023843.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023843.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	485	rBV3	20282	60898	1.60%	0.308%
2	6.890	835	848	862	rBV2	63318	208356	5.49%	1.054%
3	7.634	957	970	976	rBV	535874	1274383	33.56%	6.445%
4	7.713	976	983	1003	rVB	840983	1938681	51.05%	9.805%
5	8.061	1028	1040	1054	rBV	507043	1220374	32.14%	6.172%
6	8.616	1120	1131	1147	rBV	1425425	2772726	73.02%	14.024%
7	10.109	1366	1376	1394	rBV	2240677	3797301	100.00%	19.205%
8	10.512	1435	1442	1451	rBV2	111874	209953	5.53%	1.062%
9	10.877	1495	1502	1515	rBV	79708	135236	3.56%	0.684%
10	11.414	1580	1590	1604	rBV	1992892	3216982	84.72%	16.270%
11	12.408	1745	1753	1765	rBV	1474064	2334187	61.47%	11.806%
12	13.346	1899	1907	1922	rBV	1713680	2602901	68.55%	13.165%

Sum of corrected areas: 19771978

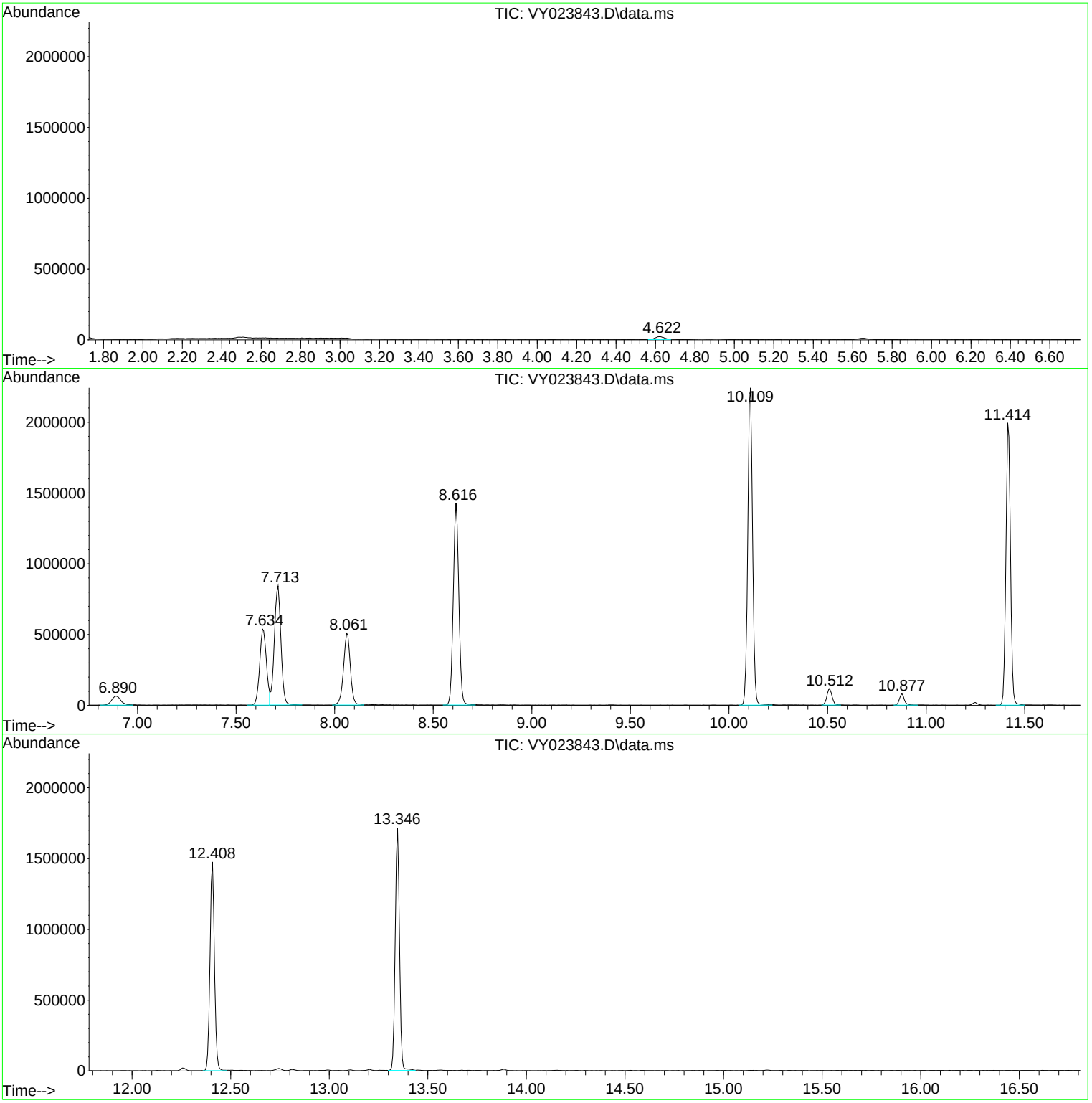
Sample Results: **VY023843.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023843.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023843.D
Acq On : 01 Dec 2025 15:10
Operator : SY/MD
Sample : Q3742-01
Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023844.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-19			SDG No.:	Q3742
Lab Sample ID:	Q3742-02			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	40.9
Sample Wt/Vol:	3.44 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	4.10	U	1	4.10	17.8	ug/Kg	12/01/25 15:33	VY120125
74-87-3	Chloromethane	4.10	U	1	4.10	17.8	ug/Kg	12/01/25 15:33	VY120125
75-01-4	Vinyl Chloride	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
74-83-9	Bromomethane	3.80	U	1	3.80	17.8	ug/Kg	12/01/25 15:33	VY120125
75-00-3	Chloroethane	4.50	U	1	4.50	17.8	ug/Kg	12/01/25 15:33	VY120125
75-69-4	Trichlorofluoromethane	4.30	U	1	4.30	17.8	ug/Kg	12/01/25 15:33	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	3.80	U	1	3.80	17.8	ug/Kg	12/01/25 15:33	VY120125
75-35-4	1,1-Dichloroethene	3.60	U	1	3.60	17.8	ug/Kg	12/01/25 15:33	VY120125
67-64-1	Acetone	74.3	J	1	16.8	88.8	ug/Kg	12/01/25 15:33	VY120125
75-15-0	Carbon Disulfide	3.80	U	1	3.80	17.8	ug/Kg	12/01/25 15:33	VY120125
1634-04-4	Methyl tert-butyl Ether	2.60	U	1	2.60	17.8	ug/Kg	12/01/25 15:33	VY120125
79-20-9	Methyl Acetate	5.50	U	1	5.50	17.8	ug/Kg	12/01/25 15:33	VY120125
75-09-2	Methylene Chloride	12.5	U	1	12.5	35.5	ug/Kg	12/01/25 15:33	VY120125
156-60-5	trans-1,2-Dichloroethene	3.10	U	1	3.10	17.8	ug/Kg	12/01/25 15:33	VY120125
75-34-3	1,1-Dichloroethane	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
110-82-7	Cyclohexane	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
78-93-3	2-Butanone	23.2	U	1	23.2	88.8	ug/Kg	12/01/25 15:33	VY120125
56-23-5	Carbon Tetrachloride	3.40	U	1	3.40	17.8	ug/Kg	12/01/25 15:33	VY120125
156-59-2	cis-1,2-Dichloroethene	2.70	U	1	2.70	17.8	ug/Kg	12/01/25 15:33	VY120125
74-97-5	Bromochloromethane	4.10	U	1	4.10	17.8	ug/Kg	12/01/25 15:33	VY120125
67-66-3	Chloroform	3.00	U	1	3.00	17.8	ug/Kg	12/01/25 15:33	VY120125
71-55-6	1,1,1-Trichloroethane	3.30	U	1	3.30	17.8	ug/Kg	12/01/25 15:33	VY120125
108-87-2	Methylcyclohexane	3.20	U	1	3.20	17.8	ug/Kg	12/01/25 15:33	VY120125
71-43-2	Benzene	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
107-06-2	1,2-Dichloroethane	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
79-01-6	Trichloroethene	2.90	U	1	2.90	17.8	ug/Kg	12/01/25 15:33	VY120125
78-87-5	1,2-Dichloropropane	3.20	U	1	3.20	17.8	ug/Kg	12/01/25 15:33	VY120125
75-27-4	Bromodichloromethane	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
108-10-1	4-Methyl-2-Pentanone	12.7	U	1	12.7	88.8	ug/Kg	12/01/25 15:33	VY120125
108-88-3	Toluene	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
10061-02-6	t-1,3-Dichloropropene	2.30	U	1	2.30	17.8	ug/Kg	12/01/25 15:33	VY120125
10061-01-5	cis-1,3-Dichloropropene	2.20	U	1	2.20	17.8	ug/Kg	12/01/25 15:33	VY120125
79-00-5	1,1,2-Trichloroethane	3.30	U	1	3.30	17.8	ug/Kg	12/01/25 15:33	VY120125
591-78-6	2-Hexanone	13.1	U	1	13.1	88.8	ug/Kg	12/01/25 15:33	VY120125
124-48-1	Dibromochloromethane	3.10	U	1	3.10	17.8	ug/Kg	12/01/25 15:33	VY120125
106-93-4	1,2-Dibromoethane	3.10	U	1	3.10	17.8	ug/Kg	12/01/25 15:33	VY120125
127-18-4	Tetrachloroethene	3.70	U	1	3.70	17.8	ug/Kg	12/01/25 15:33	VY120125
108-90-7	Chlorobenzene	3.20	U	1	3.20	17.8	ug/Kg	12/01/25 15:33	VY120125
100-41-4	Ethyl Benzene	2.40	U	1	2.40	17.8	ug/Kg	12/01/25 15:33	VY120125
179601-23-1	m/p-Xylenes	4.40	U	1	4.40	35.5	ug/Kg	12/01/25 15:33	VY120125
95-47-6	o-Xylene	2.90	U	1	2.90	17.8	ug/Kg	12/01/25 15:33	VY120125
100-42-5	Styrene	2.50	U	1	2.50	17.8	ug/Kg	12/01/25 15:33	VY120125
75-25-2	Bromoform	3.10	U	1	3.10	17.8	ug/Kg	12/01/25 15:33	VY120125

Raw Data: **VY023844.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-19	SDG No.:	Q3742
Lab Sample ID:	Q3742-02	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 40.9
Sample Wt/Vol:	3.44 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.80	U	1	2.80	17.8	ug/Kg	12/01/25 15:33	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	4.30	U	1	4.30	17.8	ug/Kg	12/01/25 15:33	VY120125
541-73-1	1,3-Dichlorobenzene	6.10	U	1	6.10	17.8	ug/Kg	12/01/25 15:33	VY120125
106-46-7	1,4-Dichlorobenzene	5.50	U	1	5.50	17.8	ug/Kg	12/01/25 15:33	VY120125
95-50-1	1,2-Dichlorobenzene	5.20	U	1	5.20	17.8	ug/Kg	12/01/25 15:33	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	6.50	U	1	6.50	17.8	ug/Kg	12/01/25 15:33	VY120125
120-82-1	1,2,4-Trichlorobenzene	10.6	U	1	10.6	17.8	ug/Kg	12/01/25 15:33	VY120125
87-61-6	1,2,3-Trichlorobenzene	11.3	U	1	11.3	17.8	ug/Kg	12/01/25 15:33	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.4			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	50.8			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.4			52 - 138	89%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	639000							
540-36-3	1,4-Difluorobenzene	1170000							
3114-55-4	Chlorobenzene-d5	1010000							
3855-82-1	1,4-Dichlorobenzene-d4	405000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Quant Time: Dec 02 03:18:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

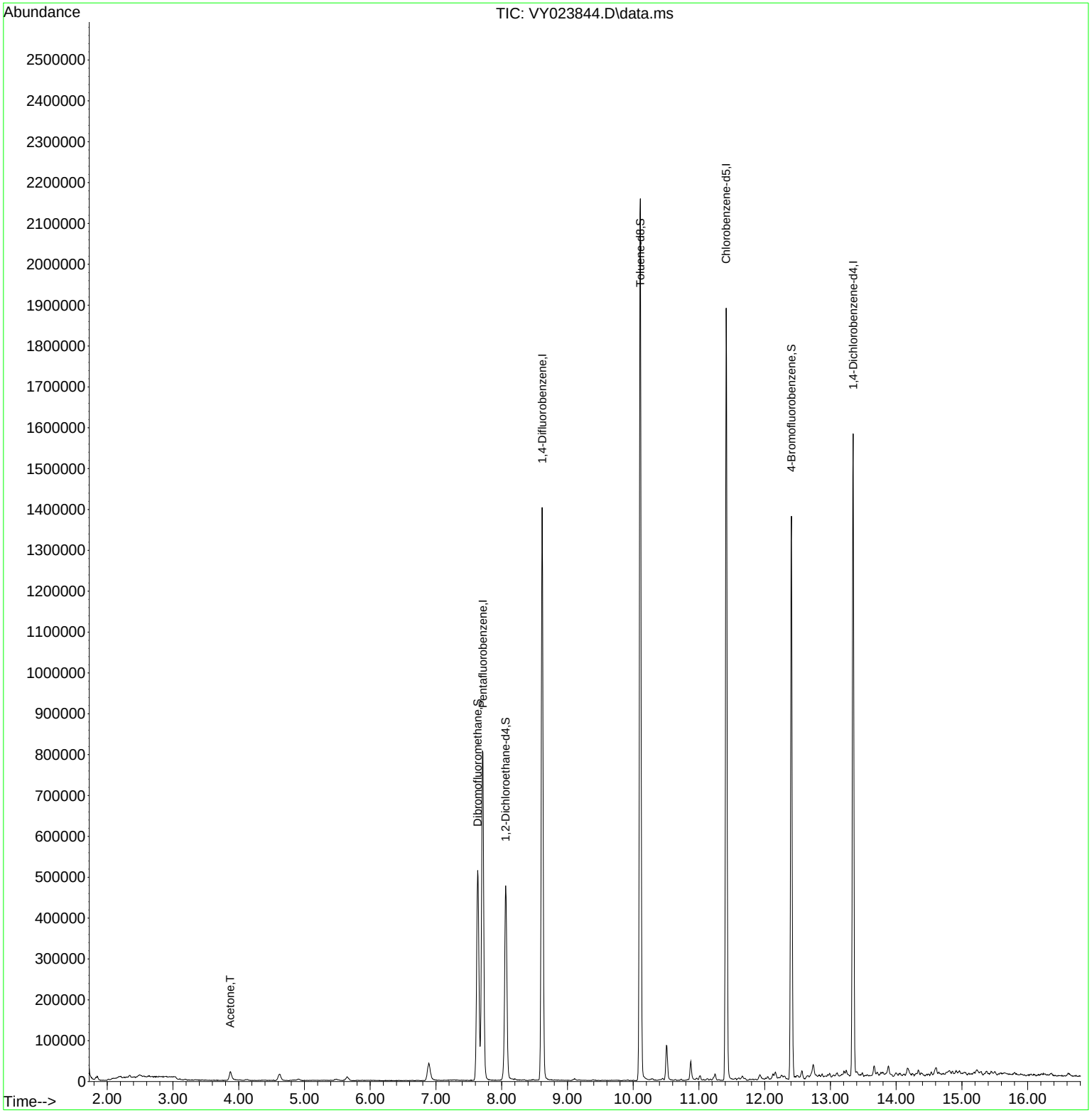
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	639201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1174775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1006083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	405217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	377039	60.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.140%			
35) Dibromofluoromethane	7.634	113	371962	53.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.900%			
50) Toluene-d8	10.109	98	1404094	50.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.408	95	403666	44.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.760%			
Target Compounds						Qvalue
16) Acetone	3.873	43	37474	20.895	ug/l	99

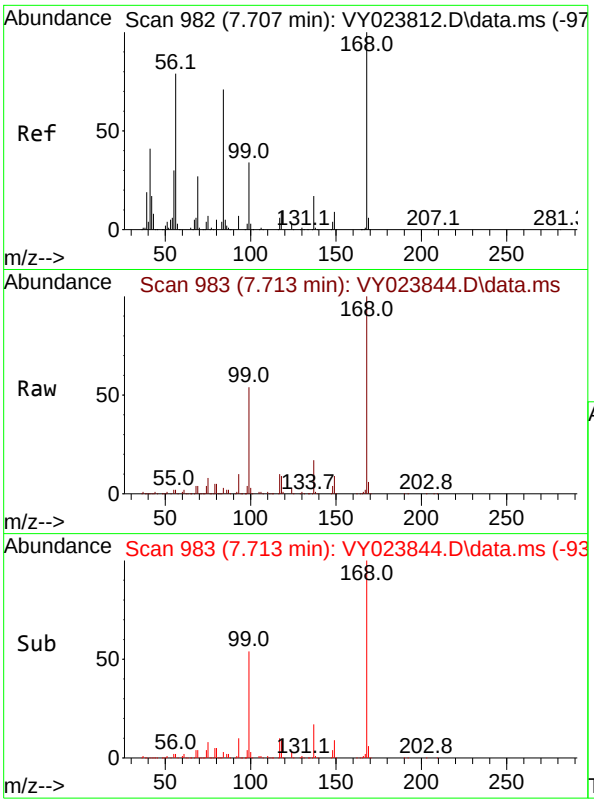
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Quant Time: Dec 02 03:18:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



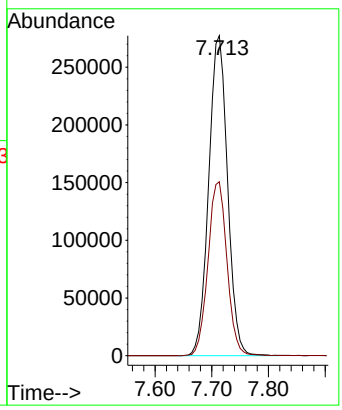


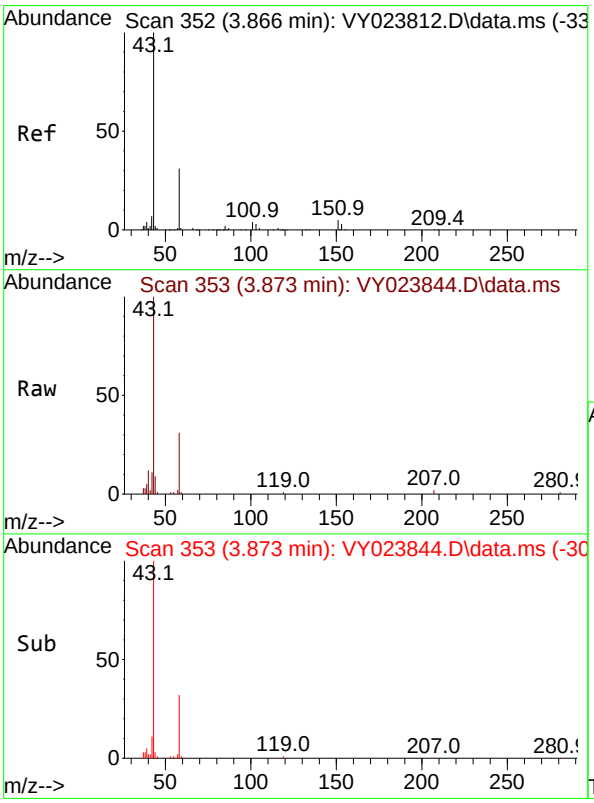
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion:168 Resp: 639201

Ion	Ratio	Lower	Upper
168	100		
99	54.3	44.0	66.0

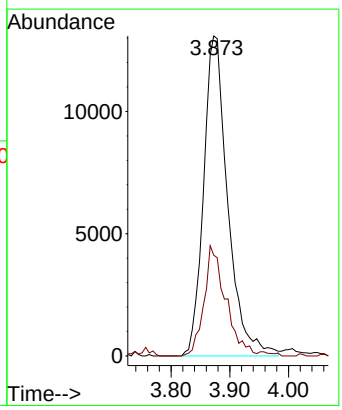


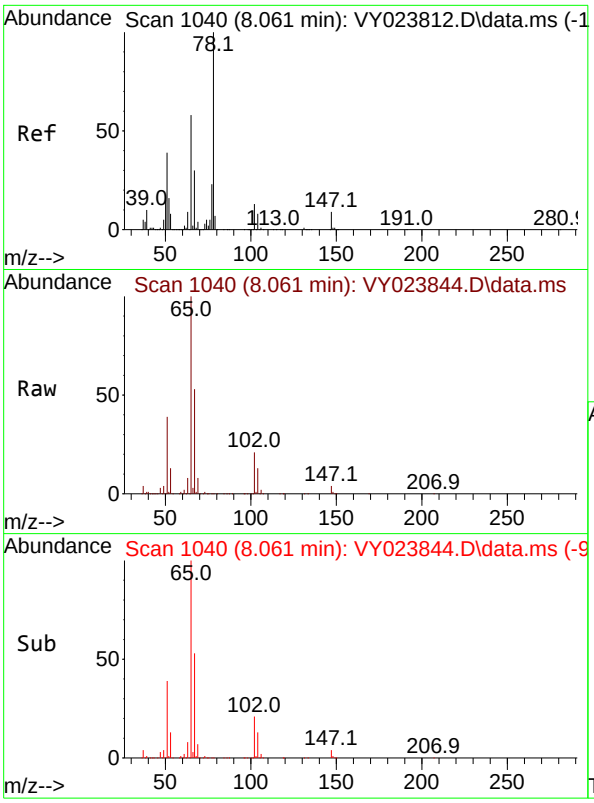


#16
Acetone
Concen: 20.895 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion: 43 Resp: 37474

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.4	38.2



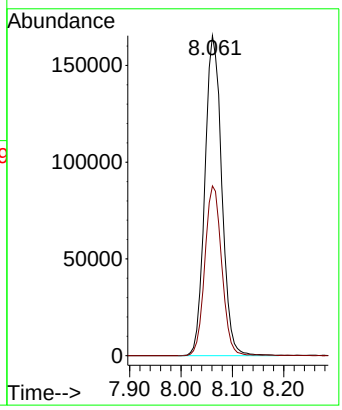


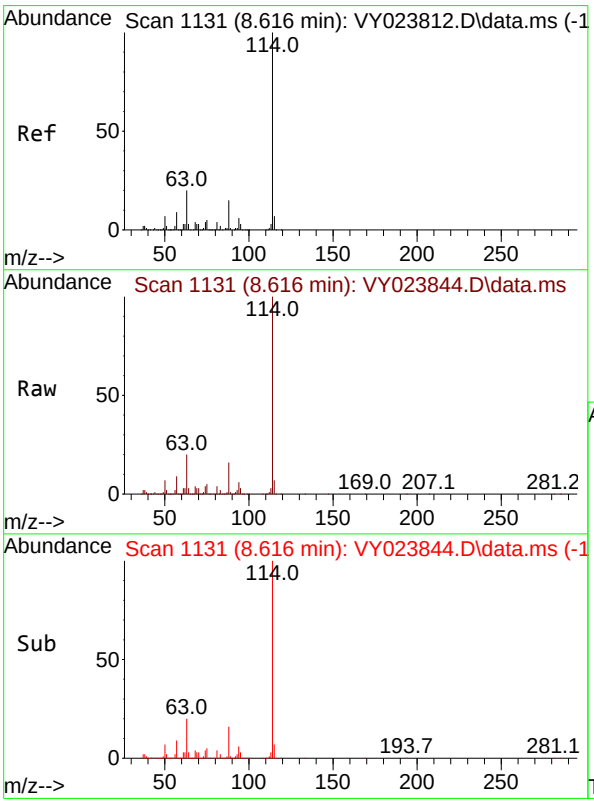
#33
1,2-Dichloroethane-d4
Concen: 60.570 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion: 65 Resp: 377039

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.4

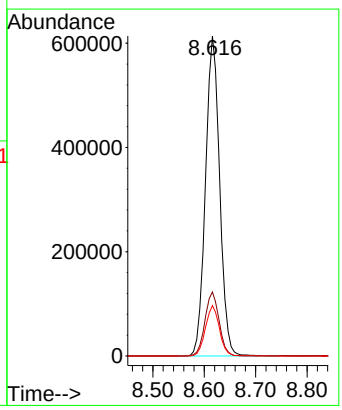


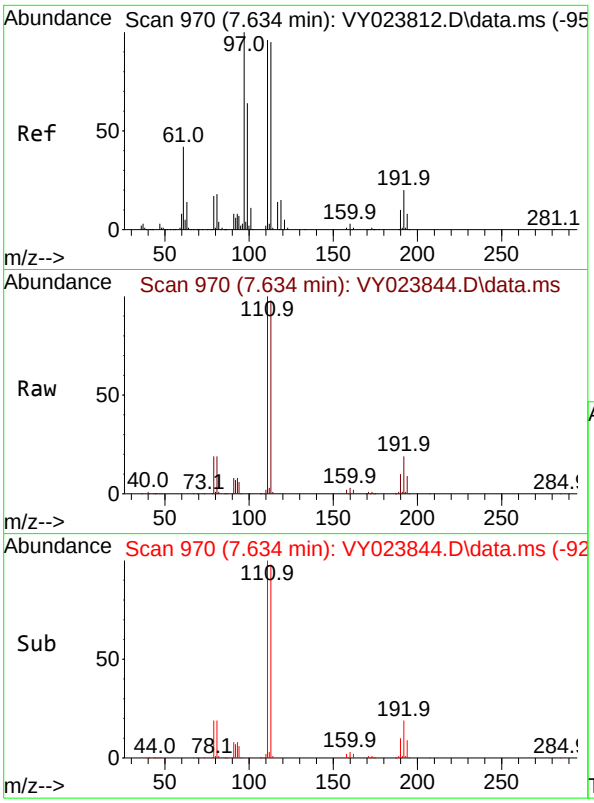


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion:114 Resp: 1174775

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.4
88	15.7	0.0	30.8



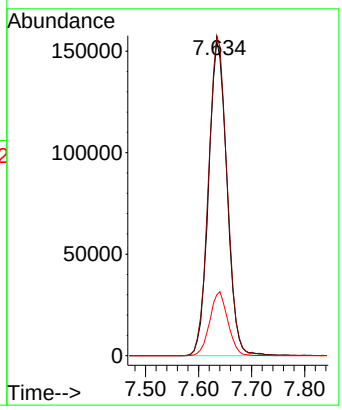


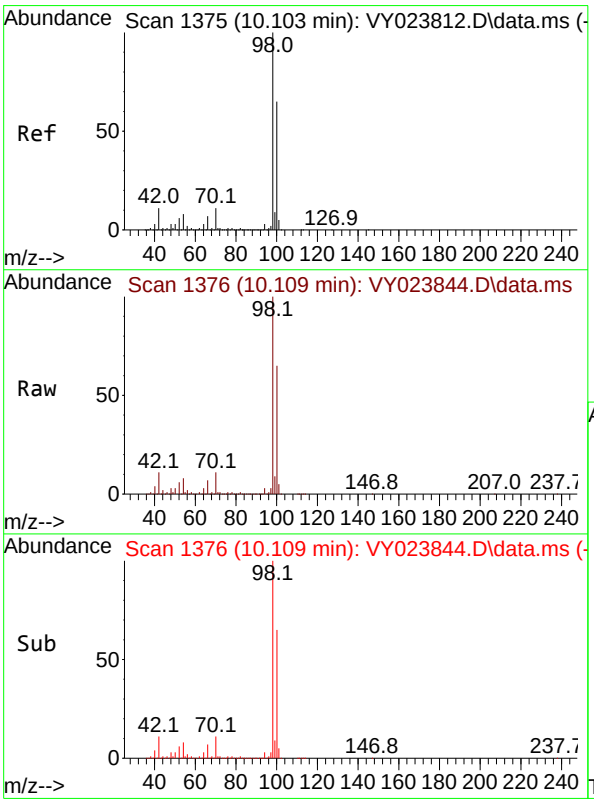
#35
Dibromofluoromethane
Concen: 53.449 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion:113 Resp: 371962

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	20.0	15.8	23.8

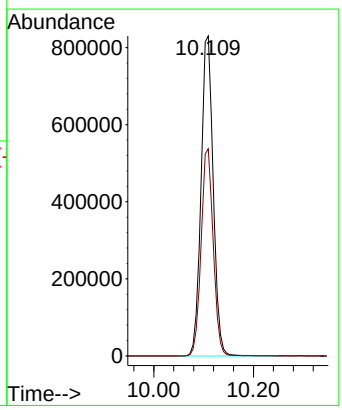


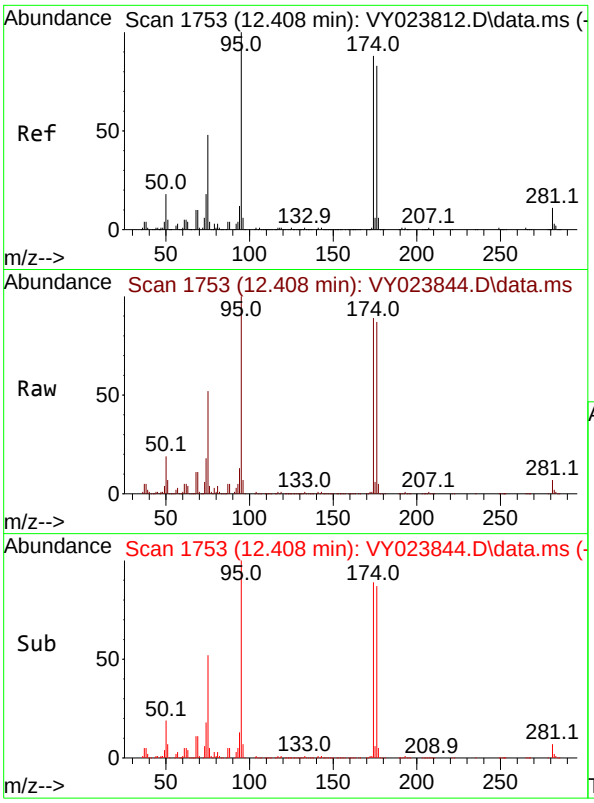


#50
Toluene-d8
Concen: 50.796 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion: 98 Resp: 1404094

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9



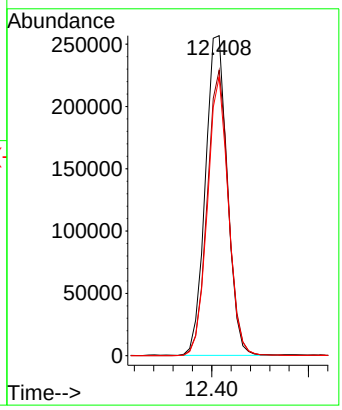


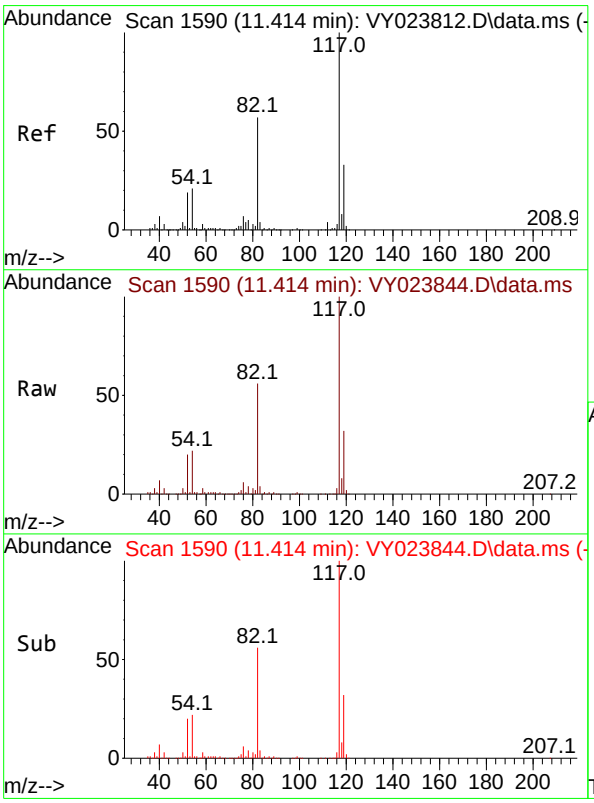
#62
4-Bromofluorobenzene
Concen: 44.382 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion: 95 Resp: 403666

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	168.6
176	83.4	0.0	164.6

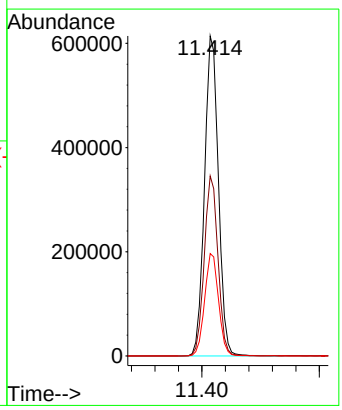


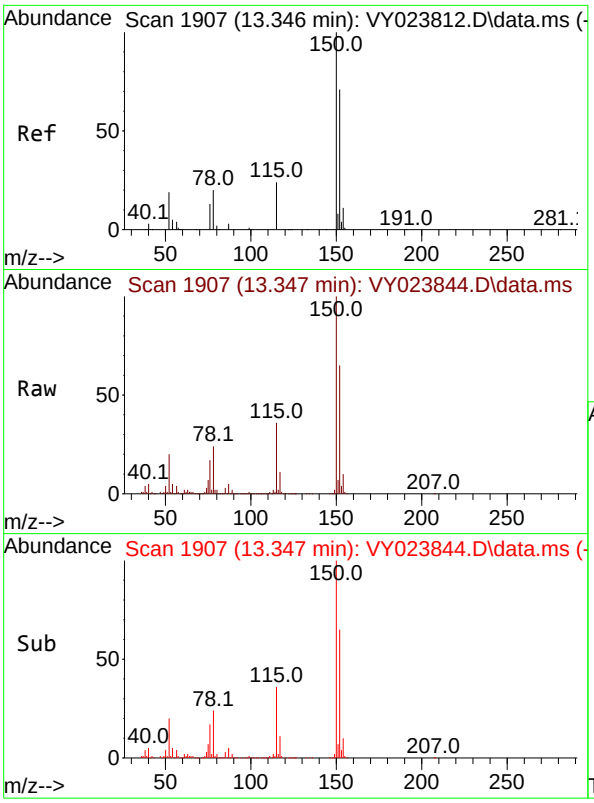


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion:117 Resp: 1006083

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	32.0	26.0	39.0



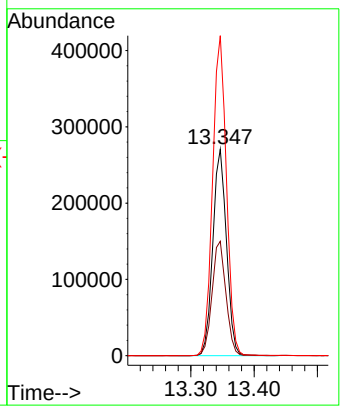


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion:152 Resp: 405217

Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.7	86.3
150	157.1	0.0	345.6



Sample Results: **VY023844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023844.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.873	344	353	361	rBV2	21345	57388	1.55%	0.300%
2	4.622	465	476	486	rBV3	15764	50289	1.36%	0.263%
3	6.890	837	848	861	rBV2	42962	140406	3.79%	0.735%
4	7.634	961	970	976	rBV	513381	1234079	33.28%	6.457%
5	7.707	976	982	998	rVB	804698	1878125	50.65%	9.826%
6	8.061	1028	1040	1057	rBV	476276	1145989	30.91%	5.996%
7	8.616	1122	1131	1145	rBV	1401629	2699888	72.81%	14.125%
8	10.109	1366	1376	1398	rBV	2158733	3707999	100.00%	19.400%
9	10.506	1435	1441	1452	rBV2	84220	159688	4.31%	0.835%
10	10.877	1497	1502	1510	rBV	44484	73148	1.97%	0.383%
11	11.414	1582	1590	1603	rBV	1889790	3078819	83.03%	16.108%
12	12.408	1746	1753	1760	rBV	1378387	2212744	59.67%	11.577%
13	12.566	1774	1779	1785	rVB3	19934	37706	1.02%	0.197%
14	12.737	1797	1807	1813	rBV4	29979	73747	1.99%	0.386%
15	13.347	1900	1907	1914	rBV	1571307	2410974	65.02%	12.614%
16	13.664	1953	1959	1964	rBV7	23716	45187	1.22%	0.236%
17	13.883	1990	1995	2007	rVB7	25262	61053	1.65%	0.319%
18	14.176	2037	2043	2053	rBV8	17367	46435	1.25%	0.243%

Sum of corrected areas: 19113664

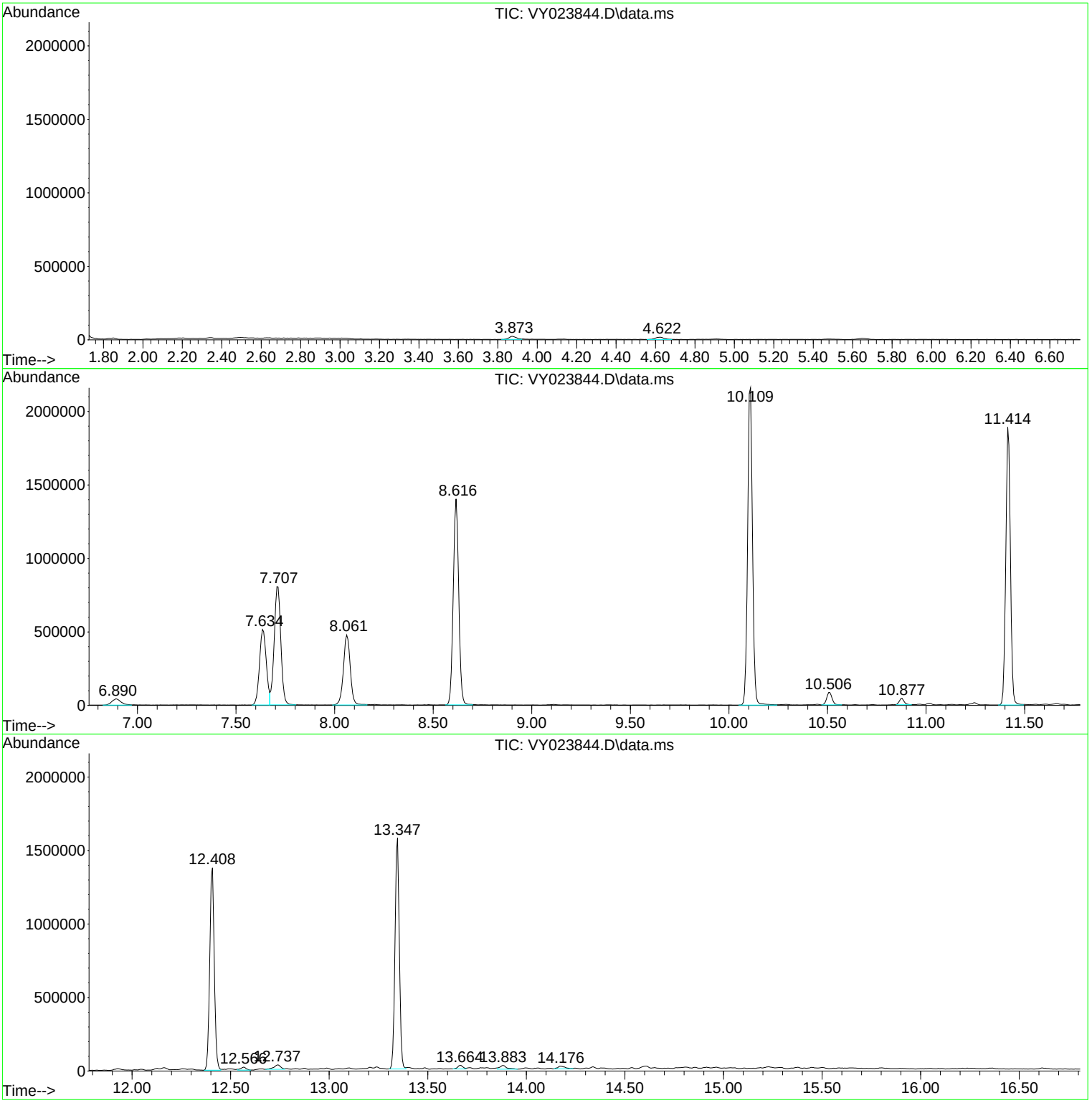
Sample Results: **VY023844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023844.D
Acq On : 01 Dec 2025 15:33
Operator : SY/MD
Sample : Q3742-02
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023845.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-8			SDG No.:	Q3742
Lab Sample ID:	Q3742-03			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	85.2
Sample Wt/Vol:	2.5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.70	U	1	2.70	11.7	ug/Kg	12/01/25 15:57	VY120125
74-87-3	Chloromethane	2.70	U	1	2.70	11.7	ug/Kg	12/01/25 15:57	VY120125
75-01-4	Vinyl Chloride	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
74-83-9	Bromomethane	2.50	U	1	2.50	11.7	ug/Kg	12/01/25 15:57	VY120125
75-00-3	Chloroethane	3.00	U	1	3.00	11.7	ug/Kg	12/01/25 15:57	VY120125
75-69-4	Trichlorofluoromethane	2.80	U	1	2.80	11.7	ug/Kg	12/01/25 15:57	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1	2.50	11.7	ug/Kg	12/01/25 15:57	VY120125
75-35-4	1,1-Dichloroethene	2.30	U	1	2.30	11.7	ug/Kg	12/01/25 15:57	VY120125
67-64-1	Acetone	11.1	U	1	11.1	58.7	ug/Kg	12/01/25 15:57	VY120125
75-15-0	Carbon Disulfide	2.50	U	1	2.50	11.7	ug/Kg	12/01/25 15:57	VY120125
1634-04-4	Methyl tert-butyl Ether	1.70	U	1	1.70	11.7	ug/Kg	12/01/25 15:57	VY120125
79-20-9	Methyl Acetate	3.60	U	1	3.60	11.7	ug/Kg	12/01/25 15:57	VY120125
75-09-2	Methylene Chloride	8.30	U	1	8.30	23.5	ug/Kg	12/01/25 15:57	VY120125
156-60-5	trans-1,2-Dichloroethene	2.00	U	1	2.00	11.7	ug/Kg	12/01/25 15:57	VY120125
75-34-3	1,1-Dichloroethane	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
110-82-7	Cyclohexane	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
78-93-3	2-Butanone	15.4	U	1	15.4	58.7	ug/Kg	12/01/25 15:57	VY120125
56-23-5	Carbon Tetrachloride	2.30	U	1	2.30	11.7	ug/Kg	12/01/25 15:57	VY120125
156-59-2	cis-1,2-Dichloroethene	1.80	U	1	1.80	11.7	ug/Kg	12/01/25 15:57	VY120125
74-97-5	Bromochloromethane	2.70	U	1	2.70	11.7	ug/Kg	12/01/25 15:57	VY120125
67-66-3	Chloroform	2.00	U	1	2.00	11.7	ug/Kg	12/01/25 15:57	VY120125
71-55-6	1,1,1-Trichloroethane	2.20	U	1	2.20	11.7	ug/Kg	12/01/25 15:57	VY120125
108-87-2	Methylcyclohexane	2.10	U	1	2.10	11.7	ug/Kg	12/01/25 15:57	VY120125
71-43-2	Benzene	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
107-06-2	1,2-Dichloroethane	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
79-01-6	Trichloroethene	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
78-87-5	1,2-Dichloropropane	2.10	U	1	2.10	11.7	ug/Kg	12/01/25 15:57	VY120125
75-27-4	Bromodichloromethane	1.80	U	1	1.80	11.7	ug/Kg	12/01/25 15:57	VY120125
108-10-1	4-Methyl-2-Pentanone	8.40	U	1	8.40	58.7	ug/Kg	12/01/25 15:57	VY120125
108-88-3	Toluene	1.80	U	1	1.80	11.7	ug/Kg	12/01/25 15:57	VY120125
10061-02-6	t-1,3-Dichloropropene	1.50	U	1	1.50	11.7	ug/Kg	12/01/25 15:57	VY120125
10061-01-5	cis-1,3-Dichloropropene	1.50	U	1	1.50	11.7	ug/Kg	12/01/25 15:57	VY120125
79-00-5	1,1,2-Trichloroethane	2.20	U	1	2.20	11.7	ug/Kg	12/01/25 15:57	VY120125
591-78-6	2-Hexanone	8.70	U	1	8.70	58.7	ug/Kg	12/01/25 15:57	VY120125
124-48-1	Dibromochloromethane	2.00	U	1	2.00	11.7	ug/Kg	12/01/25 15:57	VY120125
106-93-4	1,2-Dibromoethane	2.10	U	1	2.10	11.7	ug/Kg	12/01/25 15:57	VY120125
127-18-4	Tetrachloroethene	2.50	U	1	2.50	11.7	ug/Kg	12/01/25 15:57	VY120125
108-90-7	Chlorobenzene	2.10	U	1	2.10	11.7	ug/Kg	12/01/25 15:57	VY120125
100-41-4	Ethyl Benzene	1.60	U	1	1.60	11.7	ug/Kg	12/01/25 15:57	VY120125
179601-23-1	m/p-Xylenes	2.90	U	1	2.90	23.5	ug/Kg	12/01/25 15:57	VY120125
95-47-6	o-Xylene	1.90	U	1	1.90	11.7	ug/Kg	12/01/25 15:57	VY120125
100-42-5	Styrene	1.70	U	1	1.70	11.7	ug/Kg	12/01/25 15:57	VY120125
75-25-2	Bromoform	2.00	U	1	2.00	11.7	ug/Kg	12/01/25 15:57	VY120125

Raw Data: **VY023845.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-8	SDG No.:	Q3742
Lab Sample ID:	Q3742-03	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 85.2
Sample Wt/Vol:	2.5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.80	U	1	1.80	11.7	ug/Kg	12/01/25 15:57	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	2.80	U	1	2.80	11.7	ug/Kg	12/01/25 15:57	VY120125
541-73-1	1,3-Dichlorobenzene	4.00	U	1	4.00	11.7	ug/Kg	12/01/25 15:57	VY120125
106-46-7	1,4-Dichlorobenzene	3.70	U	1	3.70	11.7	ug/Kg	12/01/25 15:57	VY120125
95-50-1	1,2-Dichlorobenzene	3.40	U	1	3.40	11.7	ug/Kg	12/01/25 15:57	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	4.30	U	1	4.30	11.7	ug/Kg	12/01/25 15:57	VY120125
120-82-1	1,2,4-Trichlorobenzene	7.00	U	1	7.00	11.7	ug/Kg	12/01/25 15:57	VY120125
87-61-6	1,2,3-Trichlorobenzene	7.50	U	1	7.50	11.7	ug/Kg	12/01/25 15:57	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.9			63 - 155	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.8			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	50.8			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.5			52 - 138	89%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	609000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	956000							
3855-82-1	1,4-Dichlorobenzene-d4	376000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Quant Time: Dec 02 03:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

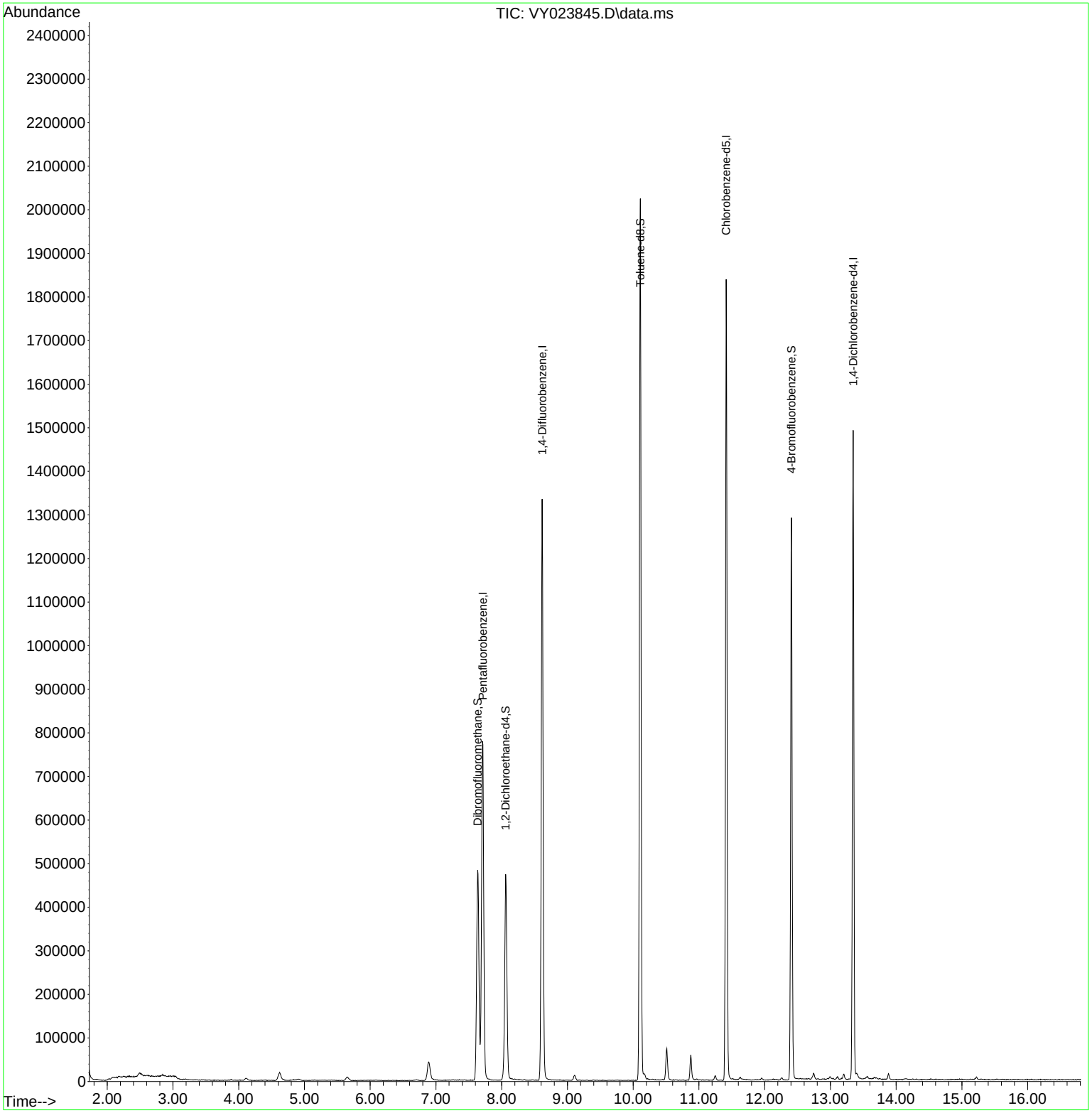
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	608834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1113703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	955695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	354950	59.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.740%			
35) Dibromofluoromethane	7.634	113	355083	53.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.109	98	1331655	50.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.408	95	383301	44.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.900%			
Target Compounds						Qvalue

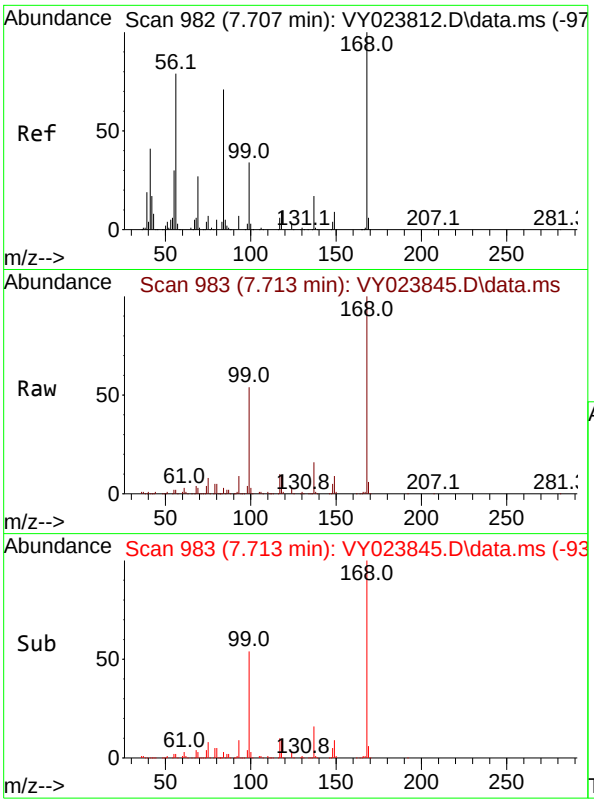
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Quant Time: Dec 02 03:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



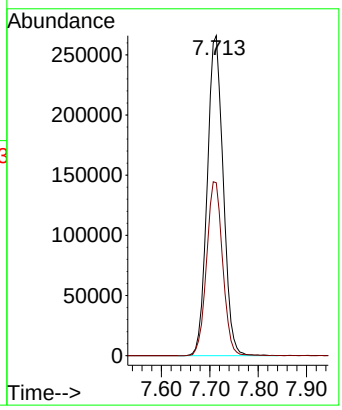


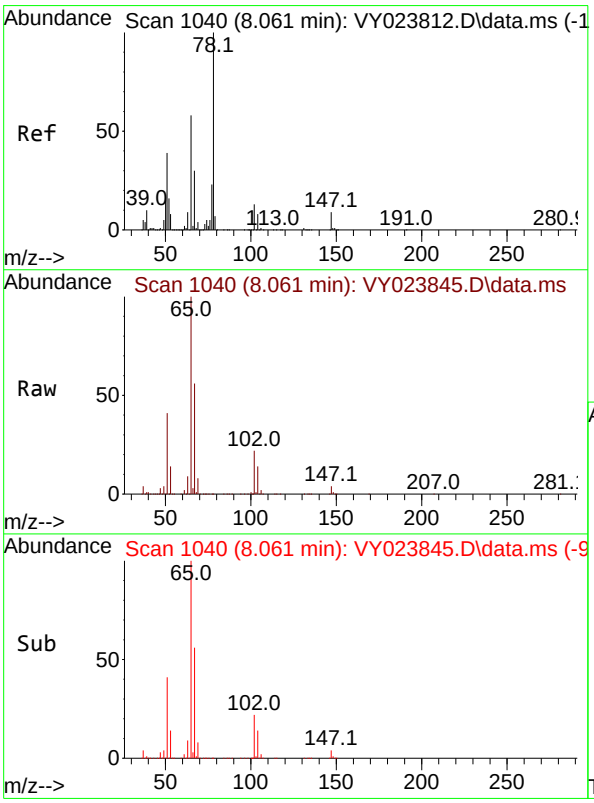
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Tgt Ion:168 Resp: 608834

Ion	Ratio	Lower	Upper
168	100		
99	54.1	44.0	66.0

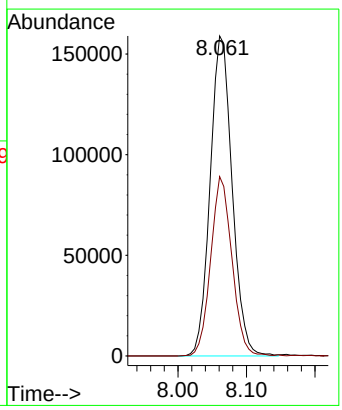


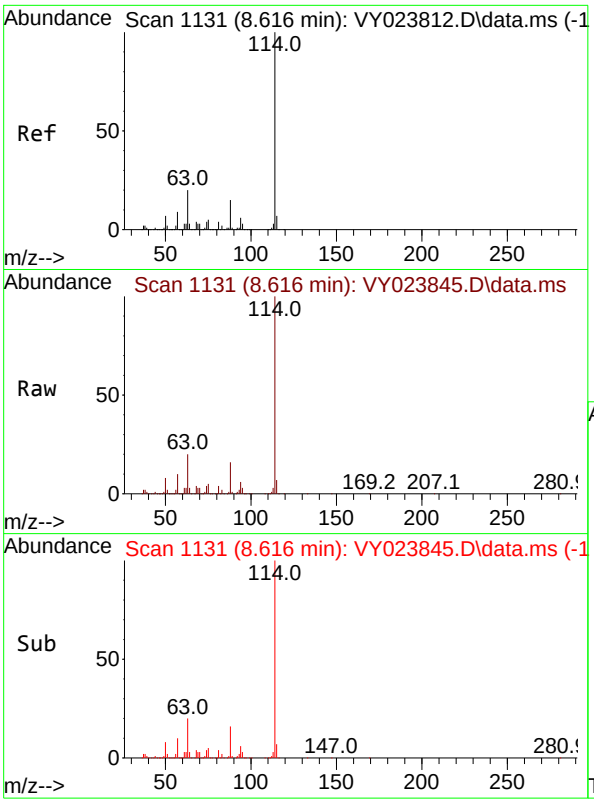


#33
1,2-Dichloroethane-d4
Concen: 59.866 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion: 65 Resp: 354950

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.4



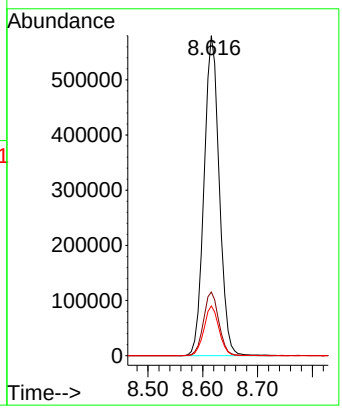


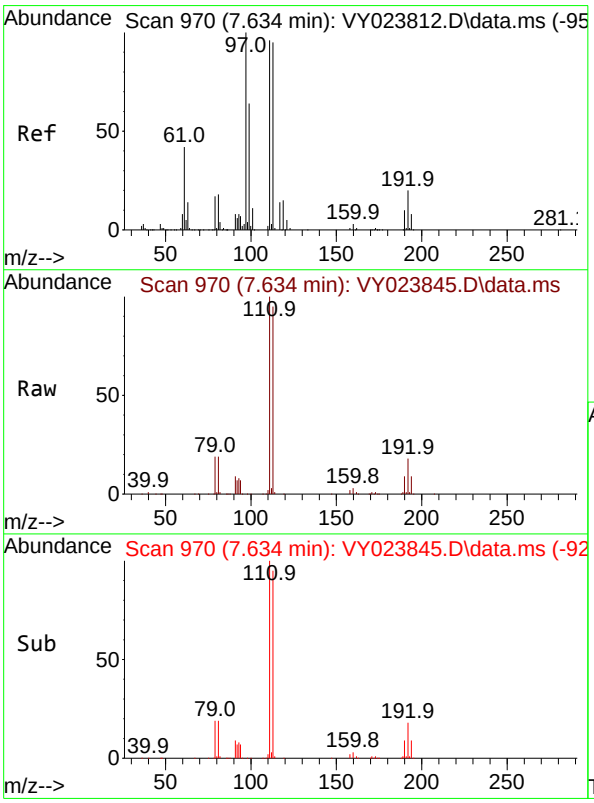
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Tgt Ion:114 Resp: 1113703

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.4
88	15.6	0.0	30.8

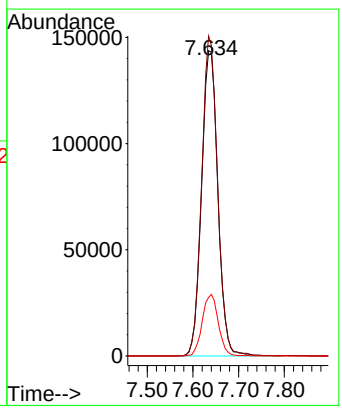


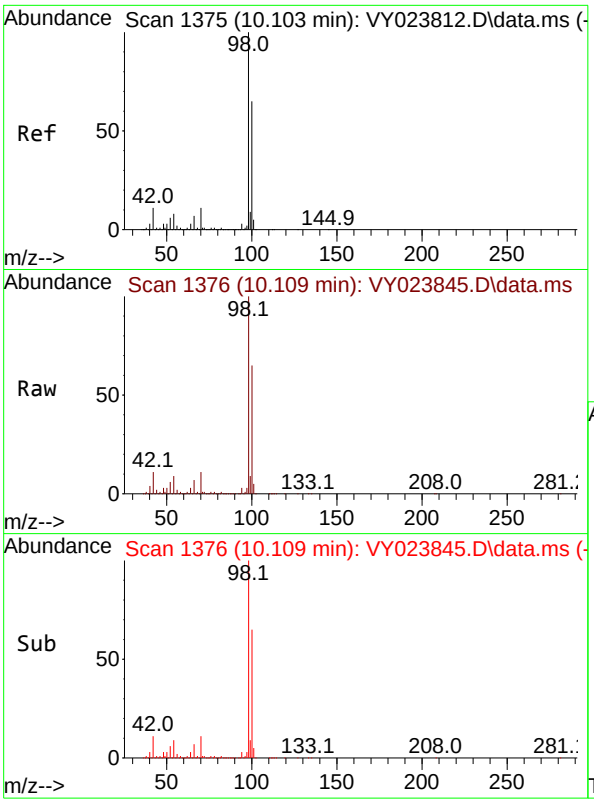


#35
Dibromofluoromethane
Concen: 53.821 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion:113 Resp: 355083

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	19.9	15.8	23.8



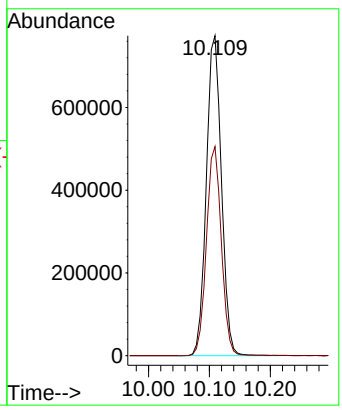


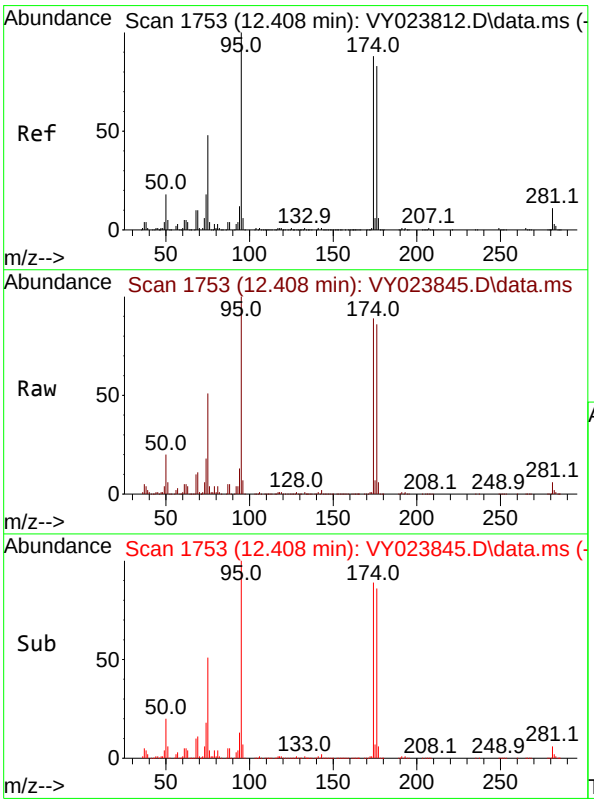
#50
Toluene-d8
Concen: 50.817 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Tgt Ion: 98 Resp: 1331655

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9

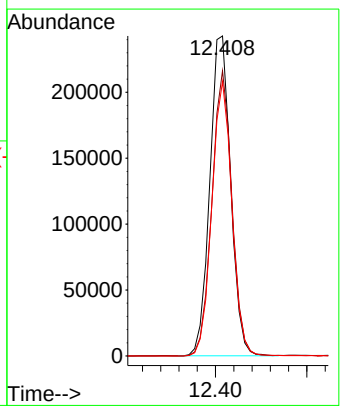


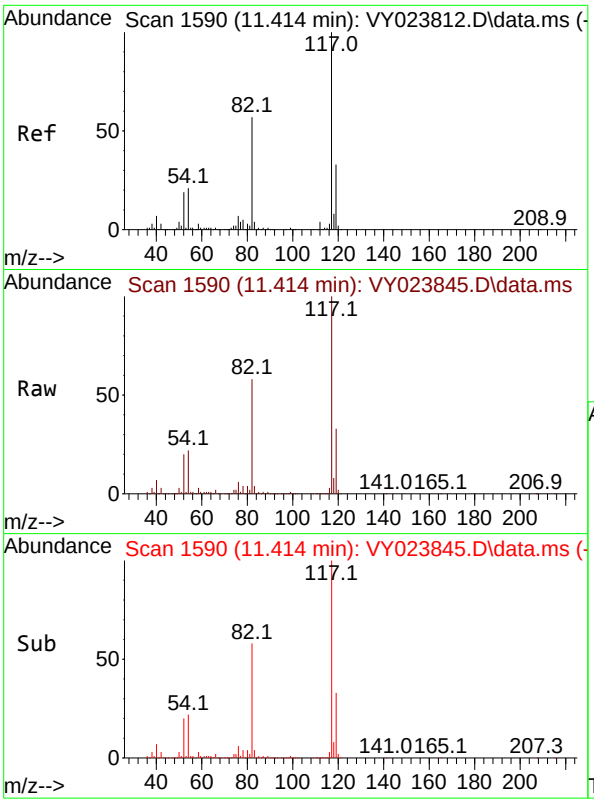


#62
4-Bromofluorobenzene
Concen: 44.454 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion: 95 Resp: 383301

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	168.6
176	82.9	0.0	164.6



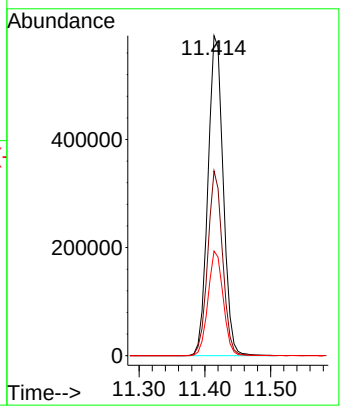


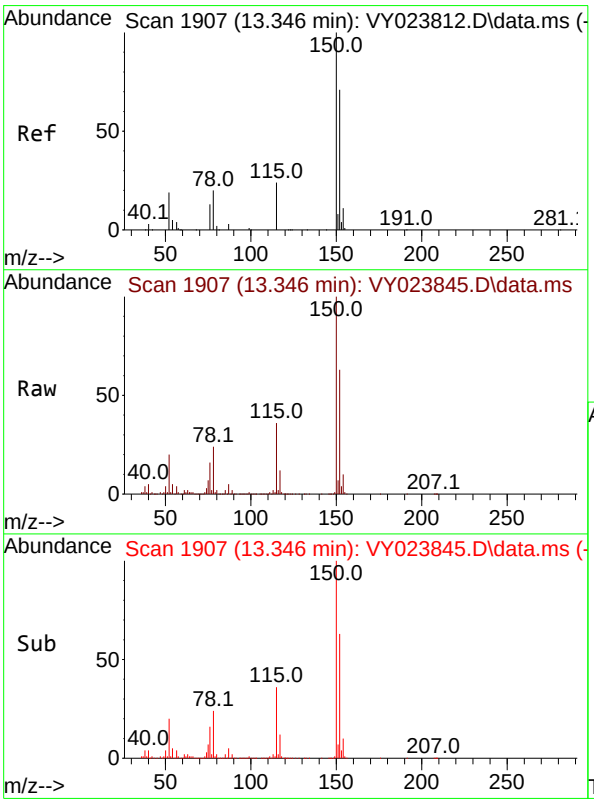
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Tgt Ion:117 Resp: 955695

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.4	68.0
119	32.7	26.0	39.0

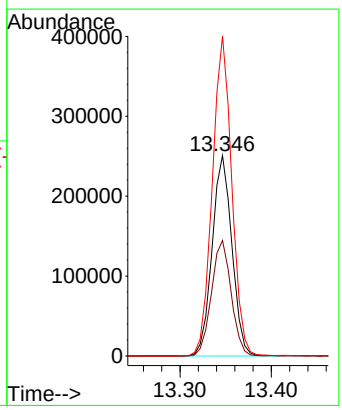




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023845.D
Acq: 01 Dec 2025 15:57

Tgt Ion:152 Resp: 376385

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.7	86.3
150	157.0	0.0	345.6



Sample Results: **VY023845.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	463	476	489	rBV2	19001	62699	1.79%	0.351%
2	6.890	836	848	862	rBV2	42562	138663	3.96%	0.777%
3	7.634	961	970	976	rBV	482234	1163968	33.25%	6.525%
4	7.707	976	982	998	rVB	775820	1795891	51.30%	10.068%
5	8.061	1029	1040	1055	rBV	471892	1079670	30.84%	6.053%
6	8.616	1121	1131	1146	rBV	1333784	2572552	73.49%	14.422%
7	10.109	1365	1376	1384	rBV	2023189	3500422	100.00%	19.623%
8	10.512	1434	1442	1449	rBV	72274	136219	3.89%	0.764%
9	10.877	1495	1502	1512	rBV	58770	100851	2.88%	0.565%
10	11.414	1582	1590	1604	rBV	1838336	2943596	84.09%	16.502%
11	12.408	1743	1753	1767	rBV	1290377	2084544	59.55%	11.686%
12	13.346	1899	1907	1914	rBV	1488822	2258915	64.53%	12.664%

Sum of corrected areas: 17837990

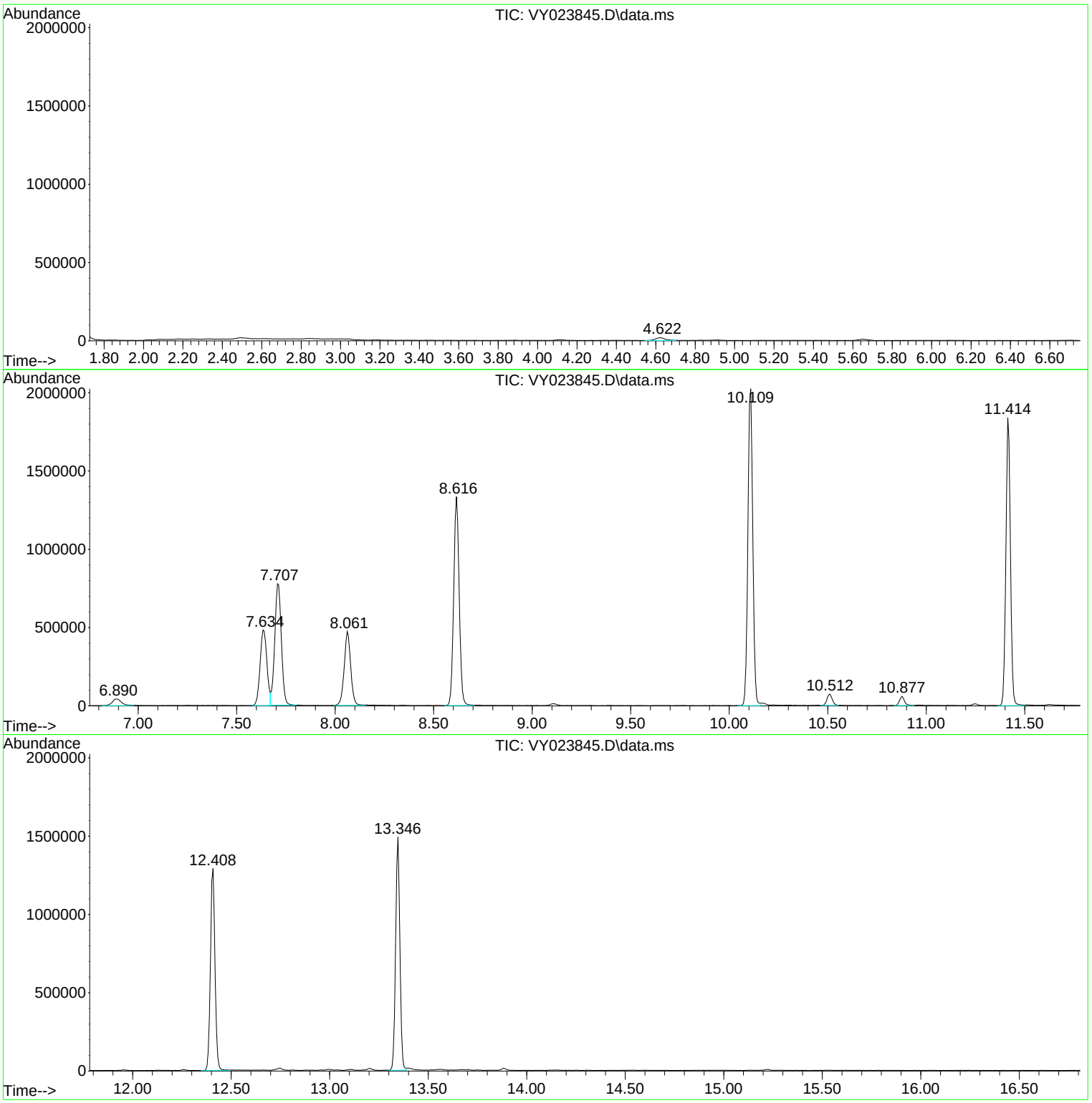
Sample Results: **VY023845.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023845.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023845.D
Acq On : 01 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-03
Misc : 2.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023846.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-9			SDG No.:	Q3742
Lab Sample ID:	Q3742-04			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	78.6
Sample Wt/Vol:	2.52 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.90	U	1	2.90	12.6	ug/Kg	12/01/25 16:20	VY120125
74-87-3	Chloromethane	2.90	U	1	2.90	12.6	ug/Kg	12/01/25 16:20	VY120125
75-01-4	Vinyl Chloride	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
74-83-9	Bromomethane	2.70	U	1	2.70	12.6	ug/Kg	12/01/25 16:20	VY120125
75-00-3	Chloroethane	3.20	U	1	3.20	12.6	ug/Kg	12/01/25 16:20	VY120125
75-69-4	Trichlorofluoromethane	3.10	U	1	3.10	12.6	ug/Kg	12/01/25 16:20	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.70	U	1	2.70	12.6	ug/Kg	12/01/25 16:20	VY120125
75-35-4	1,1-Dichloroethene	2.50	U	1	2.50	12.6	ug/Kg	12/01/25 16:20	VY120125
67-64-1	Acetone	44.3	J	1	12.0	63.1	ug/Kg	12/01/25 16:20	VY120125
75-15-0	Carbon Disulfide	2.70	U	1	2.70	12.6	ug/Kg	12/01/25 16:20	VY120125
1634-04-4	Methyl tert-butyl Ether	1.80	U	1	1.80	12.6	ug/Kg	12/01/25 16:20	VY120125
79-20-9	Methyl Acetate	3.90	U	1	3.90	12.6	ug/Kg	12/01/25 16:20	VY120125
75-09-2	Methylene Chloride	8.90	U	1	8.90	25.2	ug/Kg	12/01/25 16:20	VY120125
156-60-5	trans-1,2-Dichloroethene	2.20	U	1	2.20	12.6	ug/Kg	12/01/25 16:20	VY120125
75-34-3	1,1-Dichloroethane	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
110-82-7	Cyclohexane	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
78-93-3	2-Butanone	16.5	U	1	16.5	63.1	ug/Kg	12/01/25 16:20	VY120125
56-23-5	Carbon Tetrachloride	2.40	U	1	2.40	12.6	ug/Kg	12/01/25 16:20	VY120125
156-59-2	cis-1,2-Dichloroethene	1.90	U	1	1.90	12.6	ug/Kg	12/01/25 16:20	VY120125
74-97-5	Bromochloromethane	2.90	U	1	2.90	12.6	ug/Kg	12/01/25 16:20	VY120125
67-66-3	Chloroform	2.10	U	1	2.10	12.6	ug/Kg	12/01/25 16:20	VY120125
71-55-6	1,1,1-Trichloroethane	2.30	U	1	2.30	12.6	ug/Kg	12/01/25 16:20	VY120125
108-87-2	Methylcyclohexane	2.30	U	1	2.30	12.6	ug/Kg	12/01/25 16:20	VY120125
71-43-2	Benzene	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
107-06-2	1,2-Dichloroethane	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
79-01-6	Trichloroethene	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
78-87-5	1,2-Dichloropropane	2.30	U	1	2.30	12.6	ug/Kg	12/01/25 16:20	VY120125
75-27-4	Bromodichloromethane	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
108-10-1	4-Methyl-2-Pentanone	9.00	U	1	9.00	63.1	ug/Kg	12/01/25 16:20	VY120125
108-88-3	Toluene	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
10061-02-6	t-1,3-Dichloropropene	1.60	U	1	1.60	12.6	ug/Kg	12/01/25 16:20	VY120125
10061-01-5	cis-1,3-Dichloropropene	1.60	U	1	1.60	12.6	ug/Kg	12/01/25 16:20	VY120125
79-00-5	1,1,2-Trichloroethane	2.30	U	1	2.30	12.6	ug/Kg	12/01/25 16:20	VY120125
591-78-6	2-Hexanone	9.30	U	1	9.30	63.1	ug/Kg	12/01/25 16:20	VY120125
124-48-1	Dibromochloromethane	2.20	U	1	2.20	12.6	ug/Kg	12/01/25 16:20	VY120125
106-93-4	1,2-Dibromoethane	2.20	U	1	2.20	12.6	ug/Kg	12/01/25 16:20	VY120125
127-18-4	Tetrachloroethene	2.70	U	1	2.70	12.6	ug/Kg	12/01/25 16:20	VY120125
108-90-7	Chlorobenzene	2.30	U	1	2.30	12.6	ug/Kg	12/01/25 16:20	VY120125
100-41-4	Ethyl Benzene	1.70	U	1	1.70	12.6	ug/Kg	12/01/25 16:20	VY120125
179601-23-1	m/p-Xylenes	3.10	U	1	3.10	25.2	ug/Kg	12/01/25 16:20	VY120125
95-47-6	o-Xylene	2.10	U	1	2.10	12.6	ug/Kg	12/01/25 16:20	VY120125
100-42-5	Styrene	1.80	U	1	1.80	12.6	ug/Kg	12/01/25 16:20	VY120125
75-25-2	Bromoform	2.20	U	1	2.20	12.6	ug/Kg	12/01/25 16:20	VY120125

Raw Data: **VY023846.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-9			SDG No.:	Q3742
Lab Sample ID:	Q3742-04			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	78.6
Sample Wt/Vol:	2.52 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.00	U	1	2.00	12.6	ug/Kg	12/01/25 16:20	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	3.10	U	1	3.10	12.6	ug/Kg	12/01/25 16:20	VY120125
541-73-1	1,3-Dichlorobenzene	4.30	U	1	4.30	12.6	ug/Kg	12/01/25 16:20	VY120125
106-46-7	1,4-Dichlorobenzene	3.90	U	1	3.90	12.6	ug/Kg	12/01/25 16:20	VY120125
95-50-1	1,2-Dichlorobenzene	3.70	U	1	3.70	12.6	ug/Kg	12/01/25 16:20	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	1	4.60	12.6	ug/Kg	12/01/25 16:20	VY120125
120-82-1	1,2,4-Trichlorobenzene	7.50	U	1	7.50	12.6	ug/Kg	12/01/25 16:20	VY120125
87-61-6	1,2,3-Trichlorobenzene	8.00	U	1	8.00	12.6	ug/Kg	12/01/25 16:20	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			63 - 155	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	50.5			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.8			52 - 138	86%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	621000							
540-36-3	1,4-Difluorobenzene	1130000							
3114-55-4	Chlorobenzene-d5	961000							
3855-82-1	1,4-Dichlorobenzene-d4	367000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Quant Time: Dec 02 03:19:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

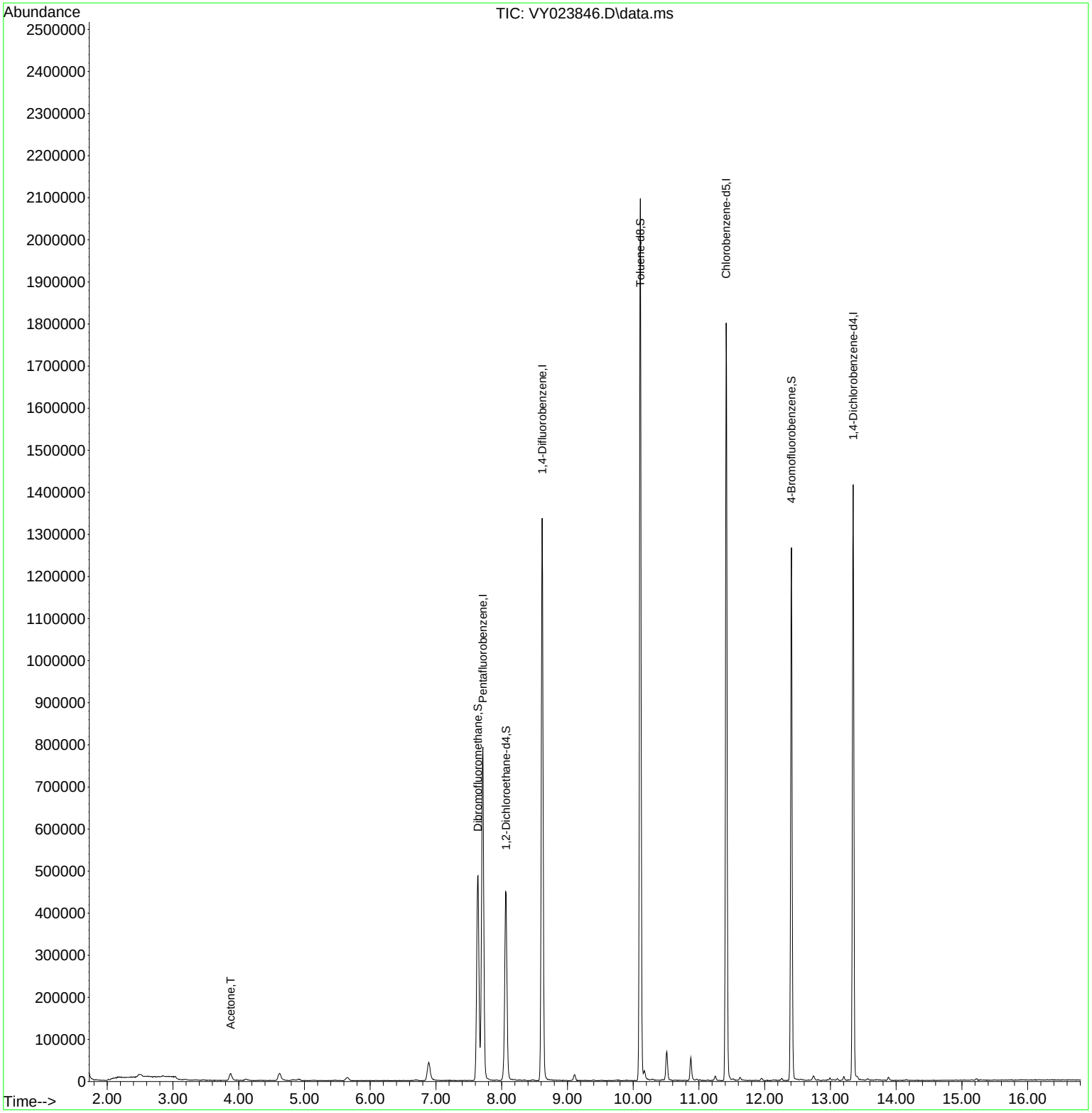
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	620754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1130173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	961054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	366679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	349428	57.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.600%			
35) Dibromofluoromethane	7.640	113	357130	53.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.109	98	1342737	50.493	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.408	95	374886	42.845	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			
Target Compounds						Qvalue
16) Acetone	3.879	43	30547	17.538	ug/l	94

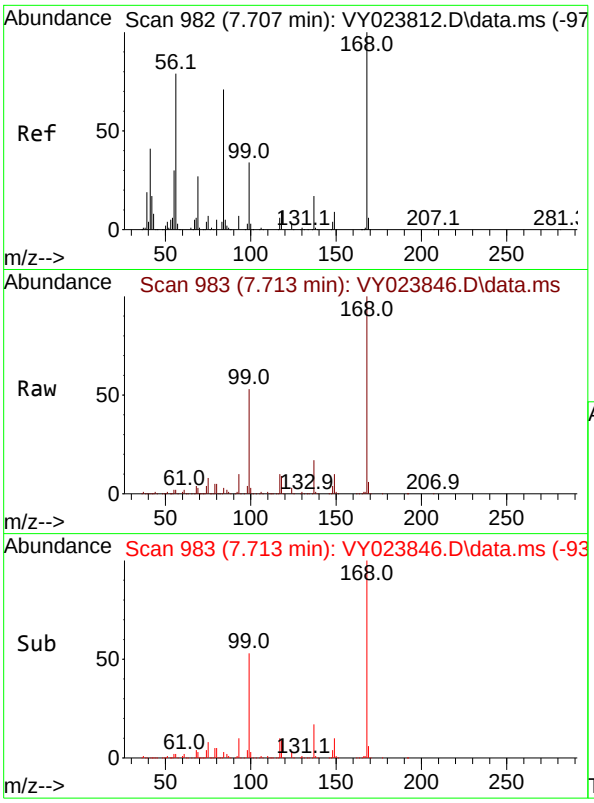
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Quant Time: Dec 02 03:19:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



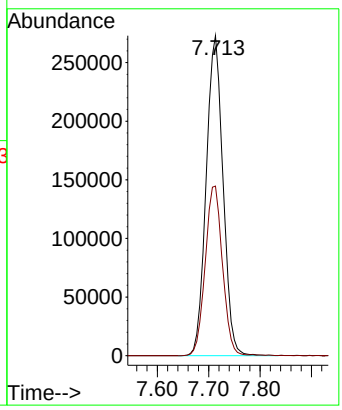


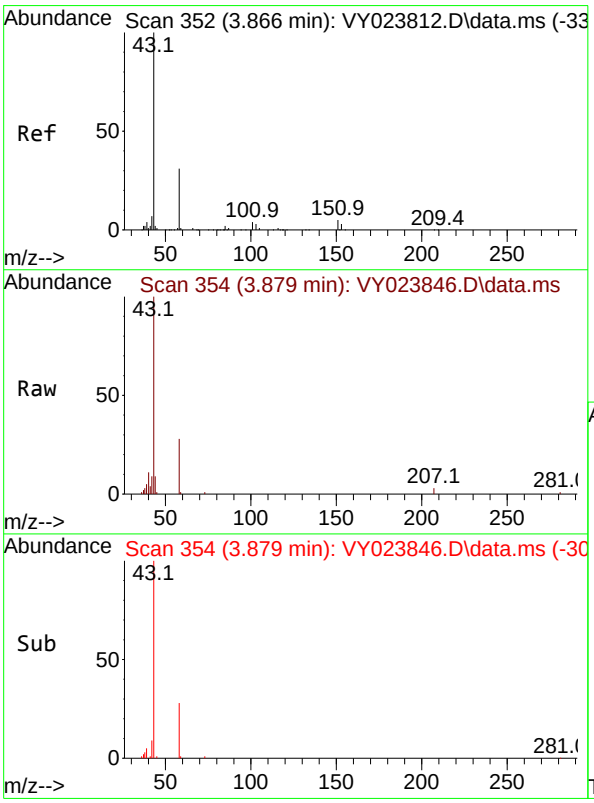
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Tgt Ion:168 Resp: 620754

Ion	Ratio	Lower	Upper
168	100		
99	53.0	44.0	66.0

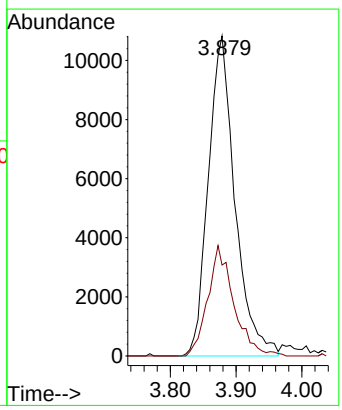


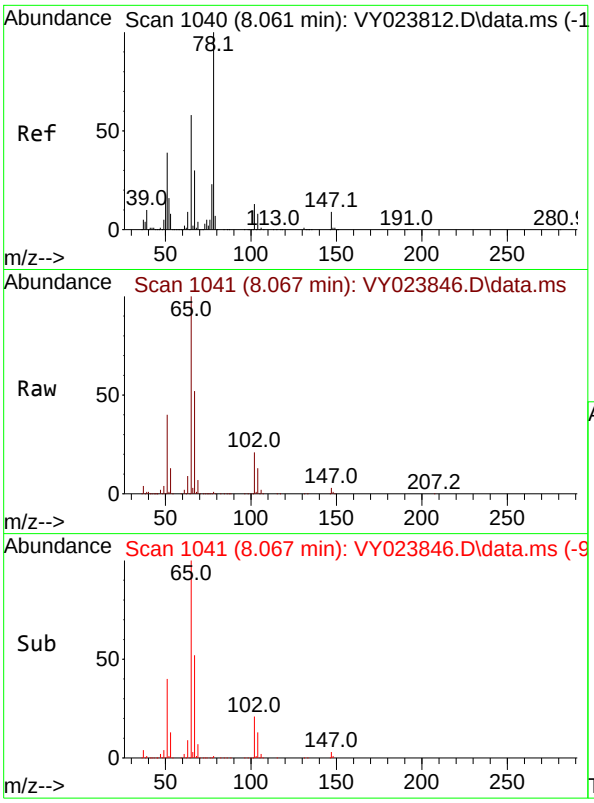


#16
Acetone
Concen: 17.538 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 43 Resp: 30547

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.4	38.2



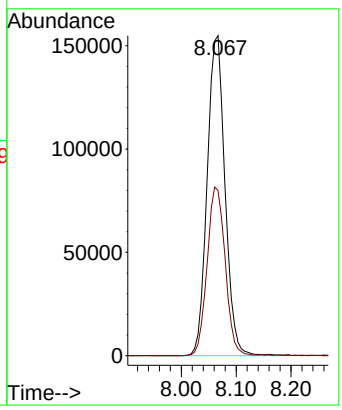


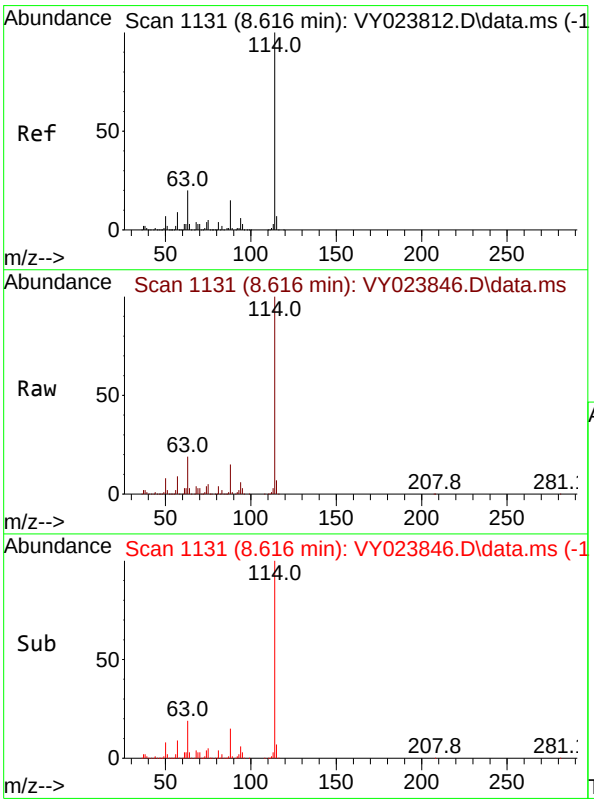
#33
1,2-Dichloroethane-d4
Concen: 57.803 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Tgt Ion: 65 Resp: 349428

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.4

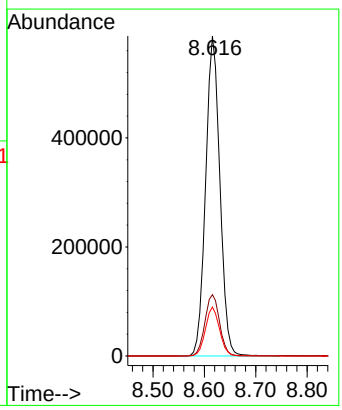


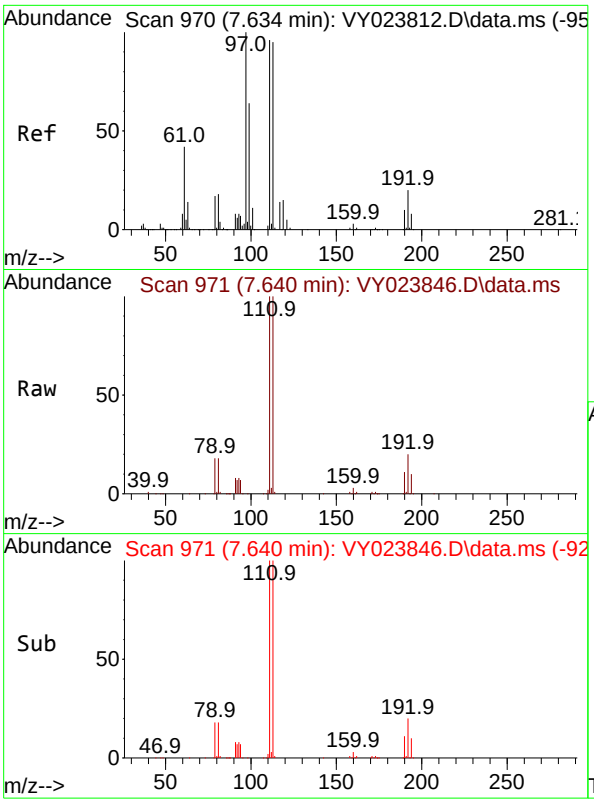


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion:114 Resp: 1130173

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.4
88	15.3	0.0	30.8



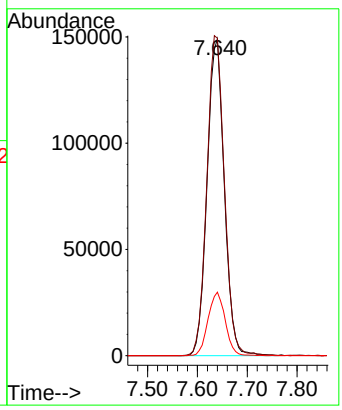


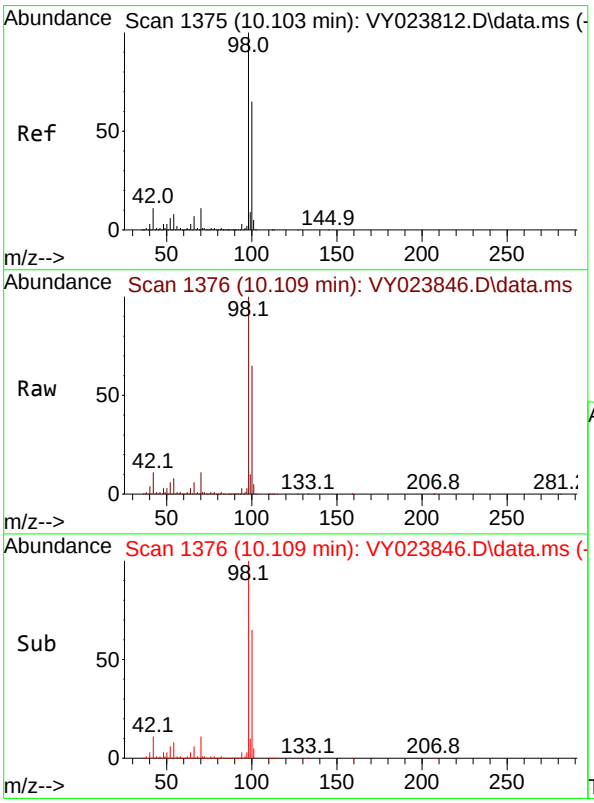
#35
Dibromofluoromethane
Concen: 53.343 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Tgt Ion:113 Resp: 357130

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	20.0	15.8	23.8

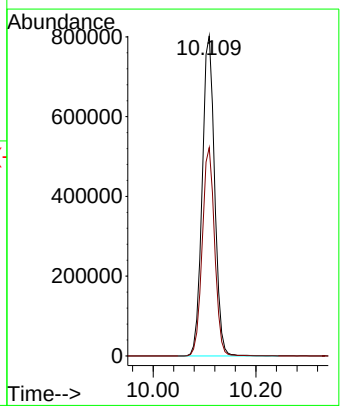


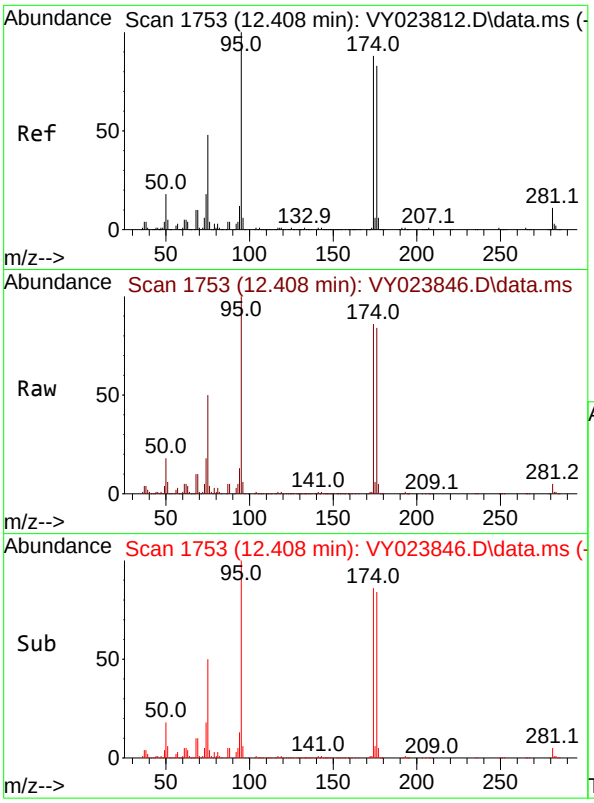


#50
Toluene-d8
Concen: 50.493 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 98 Resp: 1342737

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9



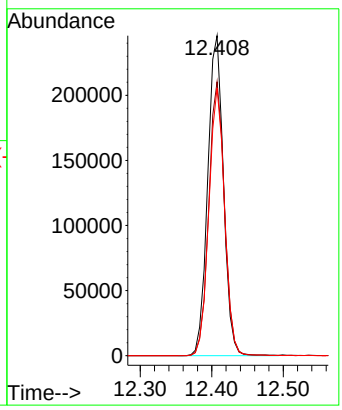


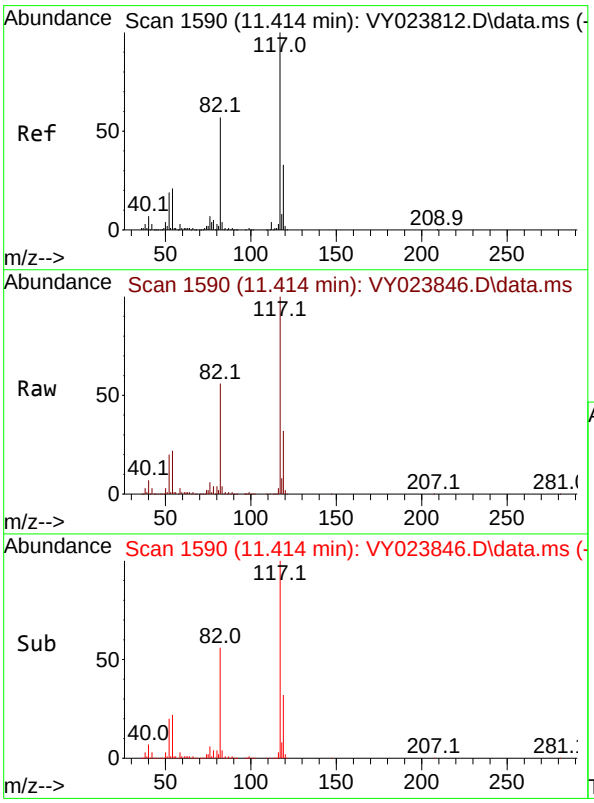
#62
4-Bromofluorobenzene
Concen: 42.845 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Tgt Ion: 95 Resp: 374886

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	168.6
176	83.5	0.0	164.6

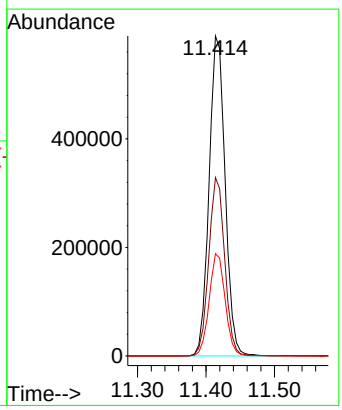


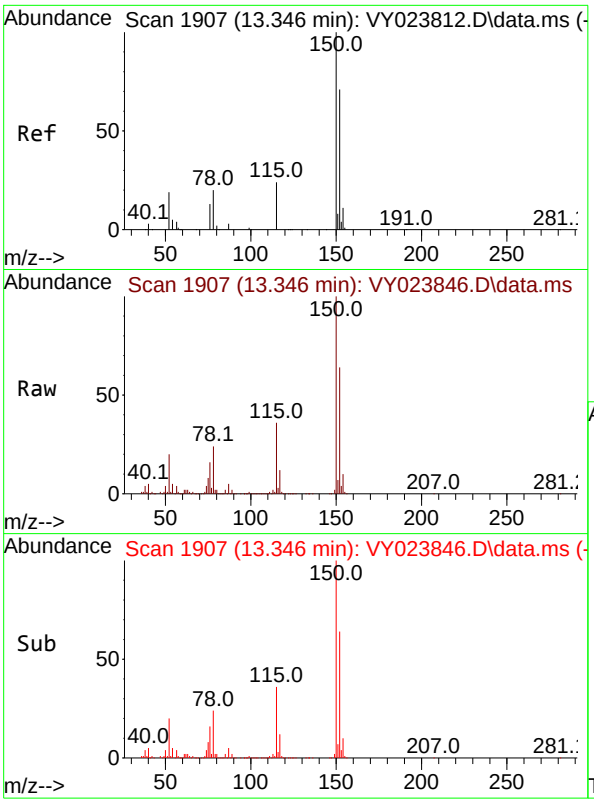


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion:117 Resp: 961054

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.0
119	32.0	26.0	39.0



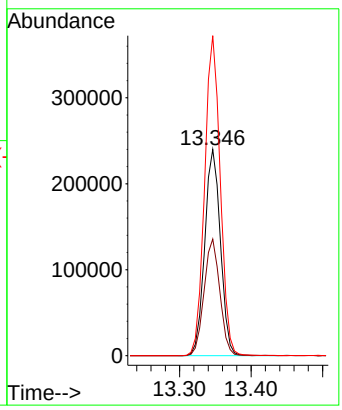


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Tgt Ion:152 Resp: 366679

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.3
150	153.9	0.0	345.6



Sample Results: **VY023846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	345	354	365	rBV2	16437	47192	1.34%	0.264%
2	4.622	467	476	487	rBV2	16673	55205	1.57%	0.309%
3	6.890	838	848	859	rBV2	43214	136526	3.88%	0.764%
4	7.640	958	971	976	rBV	486775	1173298	33.35%	6.567%
5	7.713	976	983	1002	rVB	791716	1846300	52.48%	10.334%
6	8.061	1026	1040	1055	rBV	450258	1089295	30.96%	6.097%
7	8.616	1122	1131	1144	rBV	1335910	2590334	73.63%	14.498%
8	10.109	1367	1376	1383	rBV	2095164	3518021	100.00%	19.690%
9	10.170	1383	1386	1399	rVB	22110	47432	1.35%	0.265%
10	10.512	1435	1442	1449	rBV	67478	126168	3.59%	0.706%
11	10.877	1496	1502	1511	rBV2	54205	95809	2.72%	0.536%
12	11.414	1581	1590	1602	rBV	1800395	2933112	83.37%	16.417%
13	12.408	1745	1753	1761	rBV	1265764	2015047	57.28%	11.278%
14	13.346	1897	1907	1922	rBV	1415311	2192949	62.33%	12.274%

Sum of corrected areas: 17866688

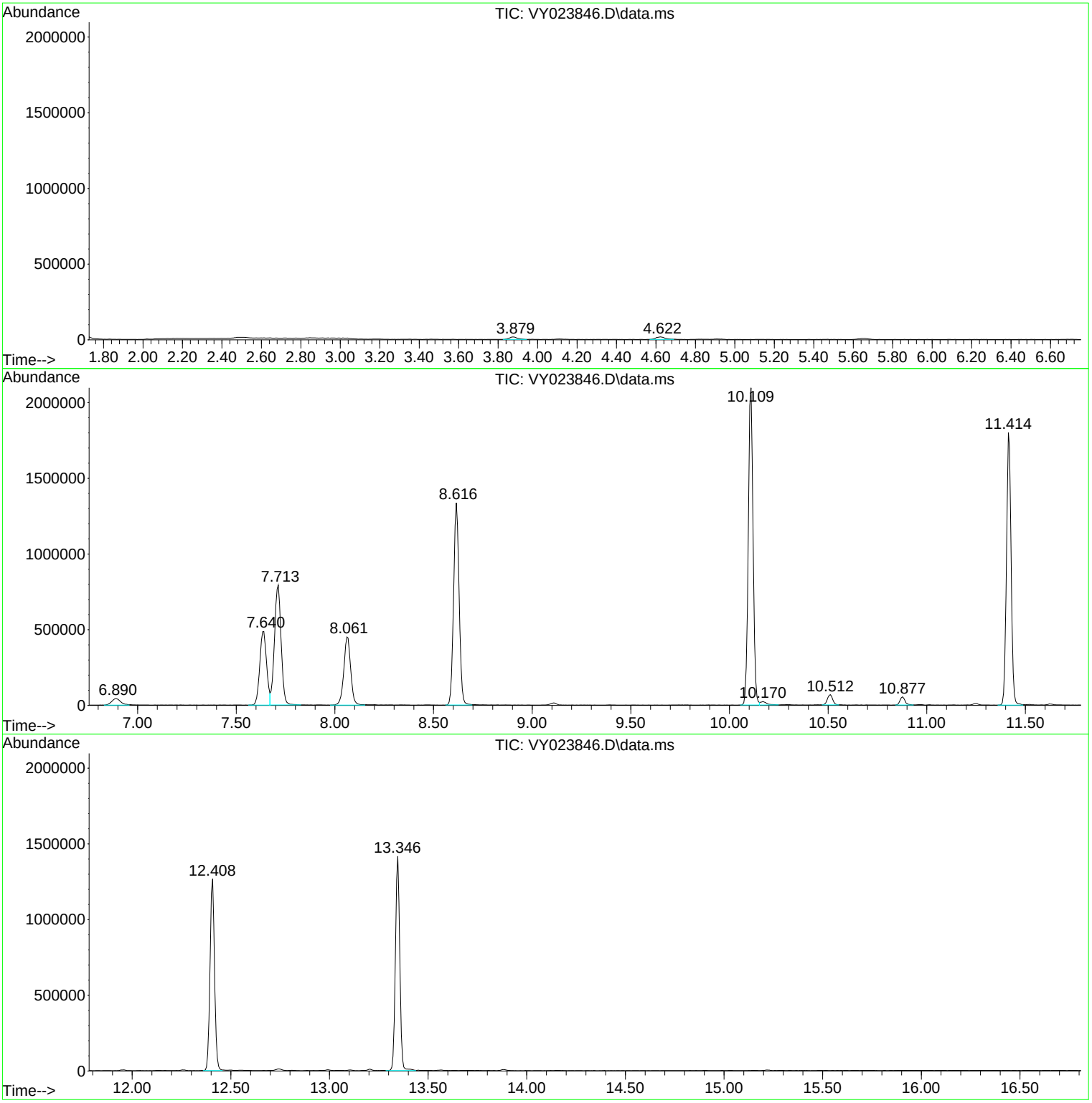
Sample Results: **VY023846.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023846.D
Acq On : 01 Dec 2025 16:20
Operator : SY/MD
Sample : Q3742-04
Misc : 2.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023853.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-21			SDG No.:	Q3742
Lab Sample ID:	Q3742-05			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	79.5
Sample Wt/Vol:	2.02 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	3.50	U	1	3.50	15.6	ug/Kg	12/02/25 12:08	VY120225
74-87-3	Chloromethane	3.50	U	1	3.50	15.6	ug/Kg	12/02/25 12:08	VY120225
75-01-4	Vinyl Chloride	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
74-83-9	Bromomethane	3.30	U	1	3.30	15.6	ug/Kg	12/02/25 12:08	VY120225
75-00-3	Chloroethane	3.90	U	1	3.90	15.6	ug/Kg	12/02/25 12:08	VY120225
75-69-4	Trichlorofluoromethane	3.80	U	1	3.80	15.6	ug/Kg	12/02/25 12:08	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	3.30	U	1	3.30	15.6	ug/Kg	12/02/25 12:08	VY120225
75-35-4	1,1-Dichloroethene	3.10	U	1	3.10	15.6	ug/Kg	12/02/25 12:08	VY120225
67-64-1	Acetone	14.8	U	1	14.8	77.8	ug/Kg	12/02/25 12:08	VY120225
75-15-0	Carbon Disulfide	3.30	U	1	3.30	15.6	ug/Kg	12/02/25 12:08	VY120225
1634-04-4	Methyl tert-butyl Ether	2.30	U	1	2.30	15.6	ug/Kg	12/02/25 12:08	VY120225
79-20-9	Methyl Acetate	4.80	U	1	4.80	15.6	ug/Kg	12/02/25 12:08	VY120225
75-09-2	Methylene Chloride	11.0	U	1	11.0	31.1	ug/Kg	12/02/25 12:08	VY120225
156-60-5	trans-1,2-Dichloroethene	2.70	U	1	2.70	15.6	ug/Kg	12/02/25 12:08	VY120225
75-34-3	1,1-Dichloroethane	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
110-82-7	Cyclohexane	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
78-93-3	2-Butanone	20.4	U	1	20.4	77.8	ug/Kg	12/02/25 12:08	VY120225
56-23-5	Carbon Tetrachloride	3.00	U	1	3.00	15.6	ug/Kg	12/02/25 12:08	VY120225
156-59-2	cis-1,2-Dichloroethene	2.30	U	1	2.30	15.6	ug/Kg	12/02/25 12:08	VY120225
74-97-5	Bromochloromethane	3.60	U	1	3.60	15.6	ug/Kg	12/02/25 12:08	VY120225
67-66-3	Chloroform	2.60	U	1	2.60	15.6	ug/Kg	12/02/25 12:08	VY120225
71-55-6	1,1,1-Trichloroethane	2.90	U	1	2.90	15.6	ug/Kg	12/02/25 12:08	VY120225
108-87-2	Methylcyclohexane	2.80	U	1	2.80	15.6	ug/Kg	12/02/25 12:08	VY120225
71-43-2	Benzene	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
107-06-2	1,2-Dichloroethane	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
79-01-6	Trichloroethene	2.50	U	1	2.50	15.6	ug/Kg	12/02/25 12:08	VY120225
78-87-5	1,2-Dichloropropane	2.80	U	1	2.80	15.6	ug/Kg	12/02/25 12:08	VY120225
75-27-4	Bromodichloromethane	2.40	U	1	2.40	15.6	ug/Kg	12/02/25 12:08	VY120225
108-10-1	4-Methyl-2-Pentanone	11.1	U	1	11.1	77.8	ug/Kg	12/02/25 12:08	VY120225
108-88-3	Toluene	2.40	U	1	2.40	15.6	ug/Kg	12/02/25 12:08	VY120225
10061-02-6	t-1,3-Dichloropropene	2.00	U	1	2.00	15.6	ug/Kg	12/02/25 12:08	VY120225
10061-01-5	cis-1,3-Dichloropropene	1.90	U	1	1.90	15.6	ug/Kg	12/02/25 12:08	VY120225
79-00-5	1,1,2-Trichloroethane	2.90	U	1	2.90	15.6	ug/Kg	12/02/25 12:08	VY120225
591-78-6	2-Hexanone	11.5	U	1	11.5	77.8	ug/Kg	12/02/25 12:08	VY120225
124-48-1	Dibromochloromethane	2.70	U	1	2.70	15.6	ug/Kg	12/02/25 12:08	VY120225
106-93-4	1,2-Dibromoethane	2.70	U	1	2.70	15.6	ug/Kg	12/02/25 12:08	VY120225
127-18-4	Tetrachloroethene	3.30	U	1	3.30	15.6	ug/Kg	12/02/25 12:08	VY120225
108-90-7	Chlorobenzene	2.80	U	1	2.80	15.6	ug/Kg	12/02/25 12:08	VY120225
100-41-4	Ethyl Benzene	2.10	U	1	2.10	15.6	ug/Kg	12/02/25 12:08	VY120225
179601-23-1	m/p-Xylenes	3.90	U	1	3.90	31.1	ug/Kg	12/02/25 12:08	VY120225
95-47-6	o-Xylene	2.60	U	1	2.60	15.6	ug/Kg	12/02/25 12:08	VY120225
100-42-5	Styrene	2.20	U	1	2.20	15.6	ug/Kg	12/02/25 12:08	VY120225
75-25-2	Bromoform	2.70	U	1	2.70	15.6	ug/Kg	12/02/25 12:08	VY120225

Raw Data: **VY023853.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-21			SDG No.:	Q3742
Lab Sample ID:	Q3742-05			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	79.5
Sample Wt/Vol:	2.02 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.40	U	1	2.40	15.6	ug/Kg	12/02/25 12:08	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	3.80	U	1	3.80	15.6	ug/Kg	12/02/25 12:08	VY120225
541-73-1	1,3-Dichlorobenzene	5.30	U	1	5.30	15.6	ug/Kg	12/02/25 12:08	VY120225
106-46-7	1,4-Dichlorobenzene	4.90	U	1	4.90	15.6	ug/Kg	12/02/25 12:08	VY120225
95-50-1	1,2-Dichlorobenzene	4.50	U	1	4.50	15.6	ug/Kg	12/02/25 12:08	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	5.70	U	1	5.70	15.6	ug/Kg	12/02/25 12:08	VY120225
120-82-1	1,2,4-Trichlorobenzene	9.20	U	1	9.20	15.6	ug/Kg	12/02/25 12:08	VY120225
87-61-6	1,2,3-Trichlorobenzene	9.90	U	1	9.90	15.6	ug/Kg	12/02/25 12:08	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.5			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.4			52 - 138	79%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	665000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	983000							
3855-82-1	1,4-Dichlorobenzene-d4	346000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY023853.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Quant Time: Dec 03 01:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

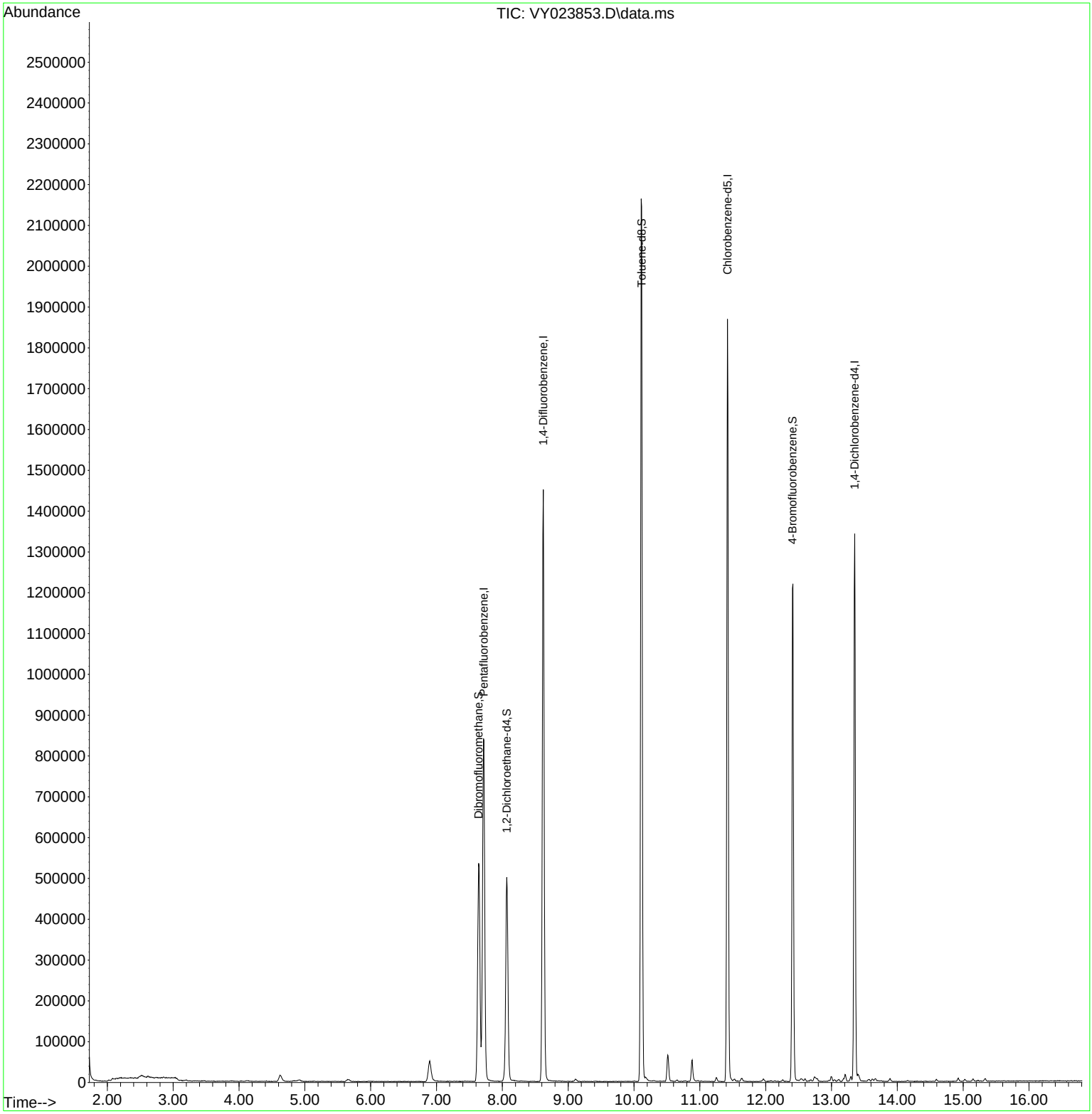
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	665144	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	1217438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	982717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	346373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	391791	60.485	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.980%			
35) Dibromofluoromethane	7.640	113	393337	54.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.080%			
50) Toluene-d8	10.115	98	1426882	49.811	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.408	95	371558	39.421	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.840%			
Target Compounds						Qvalue

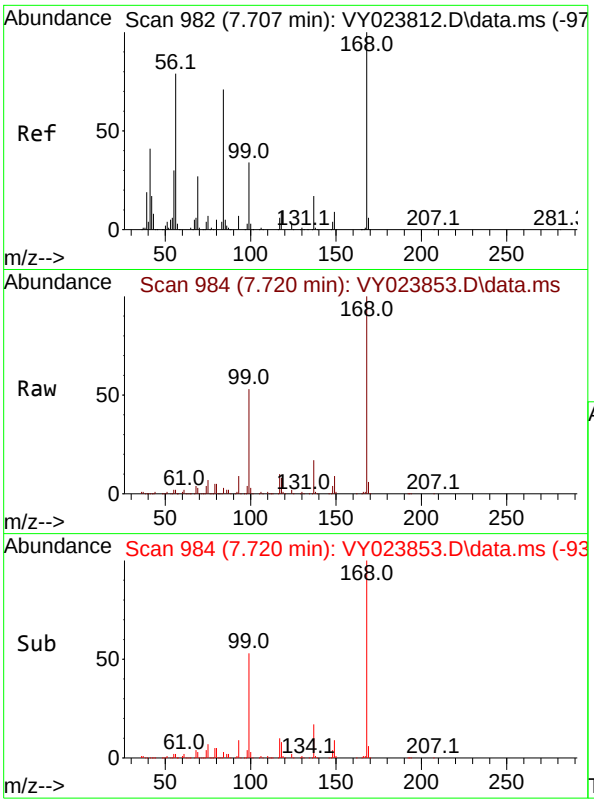
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Quant Time: Dec 03 01:02:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



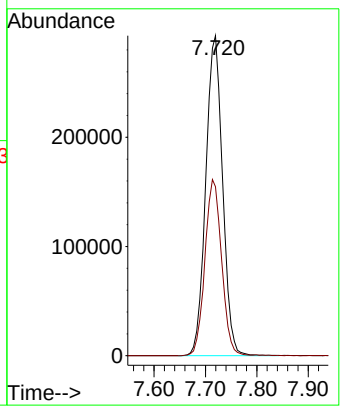


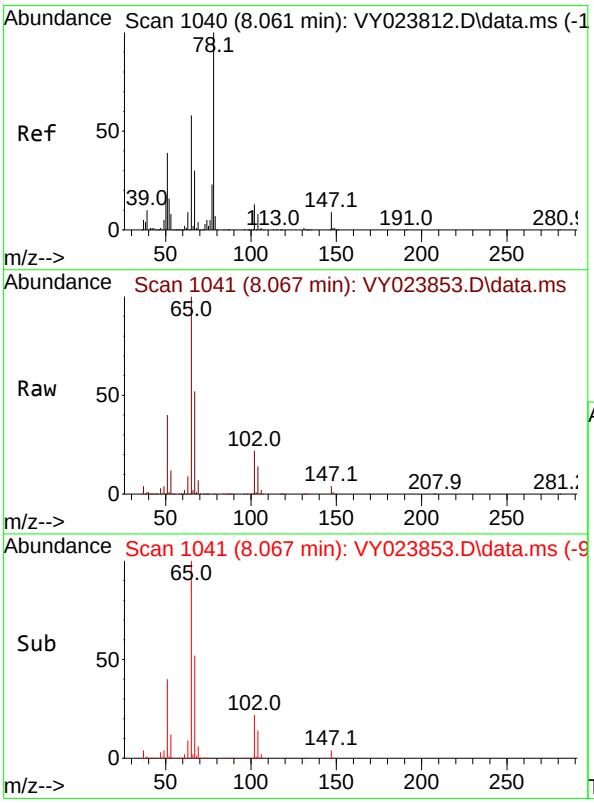
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Tgt Ion:168 Resp: 665144

Ion	Ratio	Lower	Upper
168	100		
99	52.8	44.0	66.0

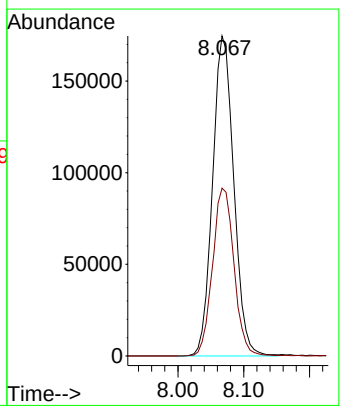


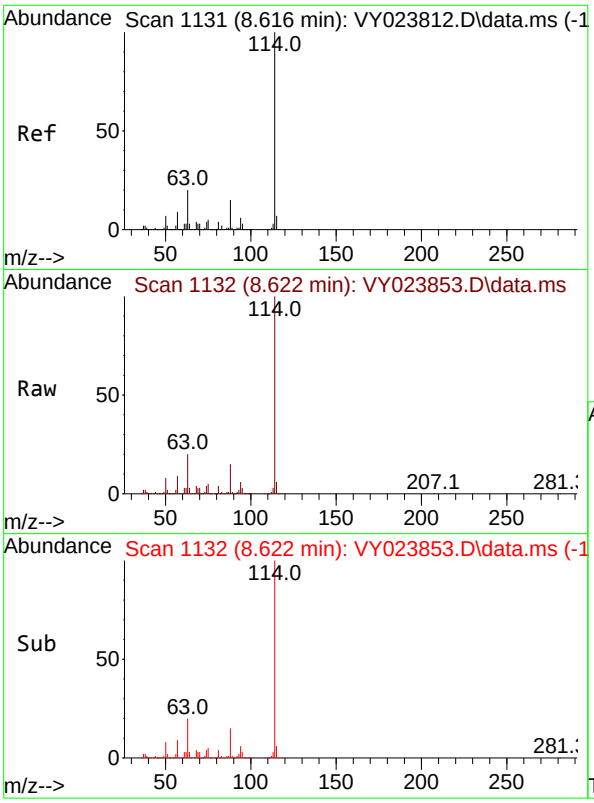


#33
1,2-Dichloroethane-d4
Concen: 60.485 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 65 Resp: 391791

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



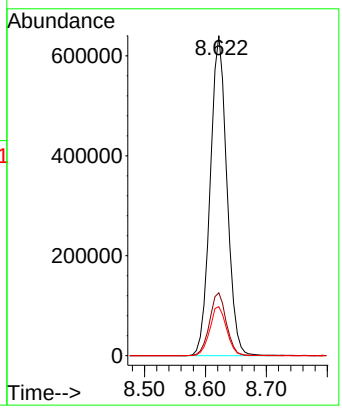


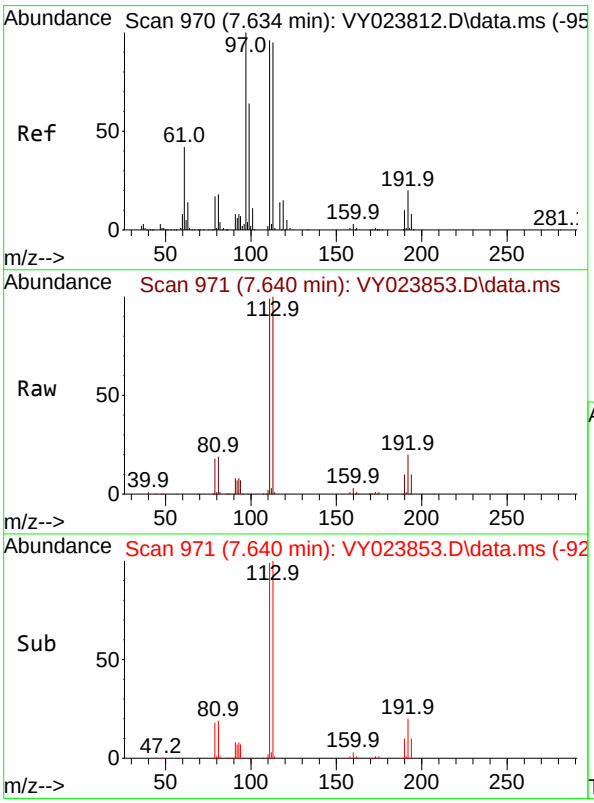
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Tgt Ion:114 Resp: 1217438

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.3	0.0	30.8

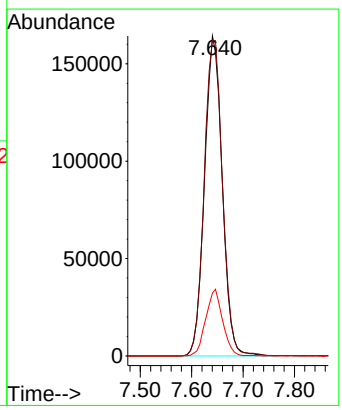


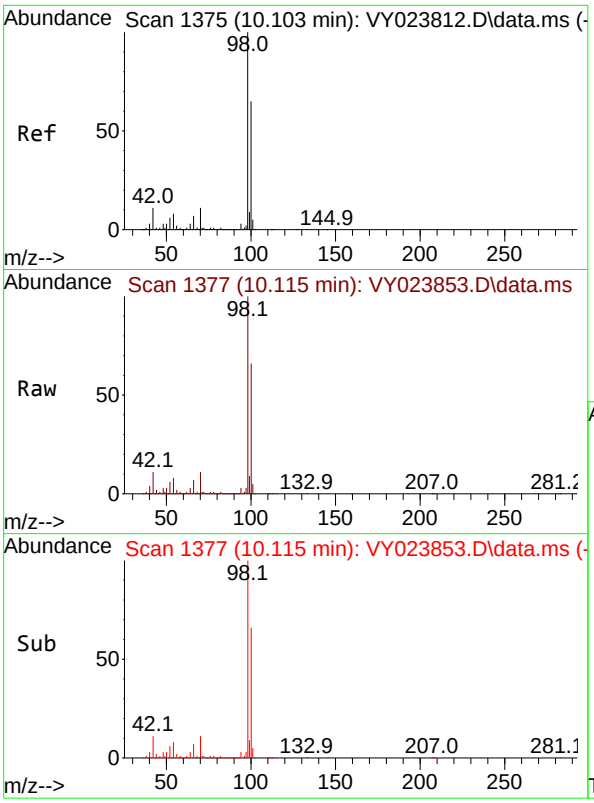


#35
Dibromofluoromethane
Concen: 54.539 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion:113 Resp: 393337

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	19.9	15.8	23.8



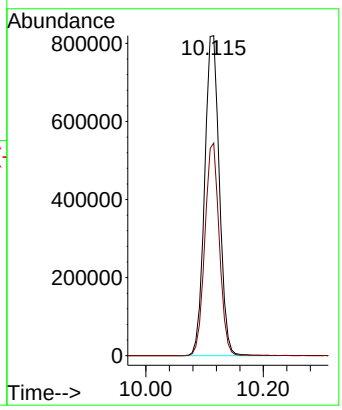


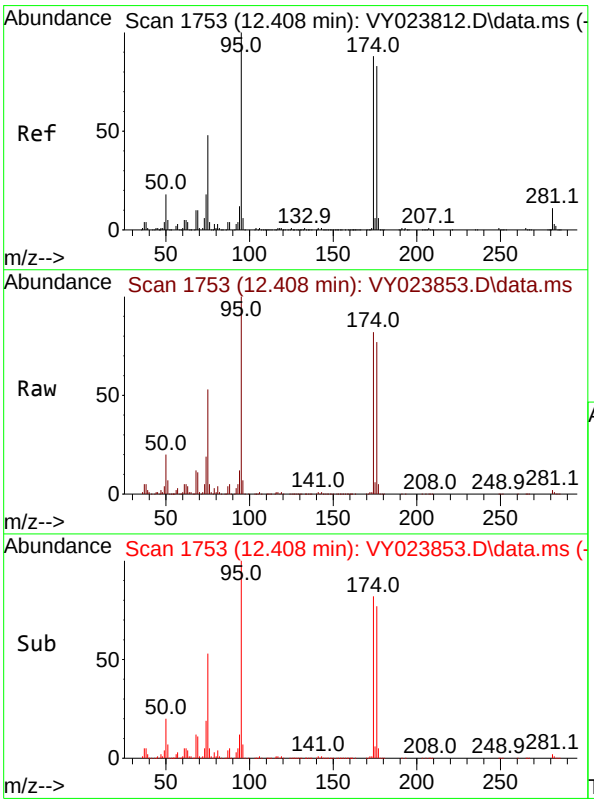
#50
Toluene-d8
Concen: 49.811 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Tgt Ion: 98 Resp: 1426882

Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9

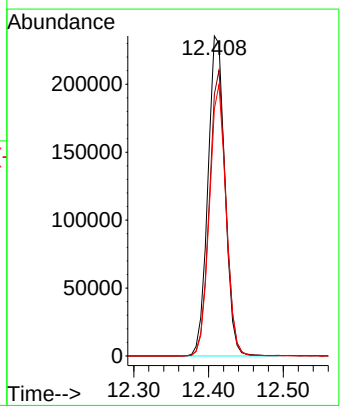


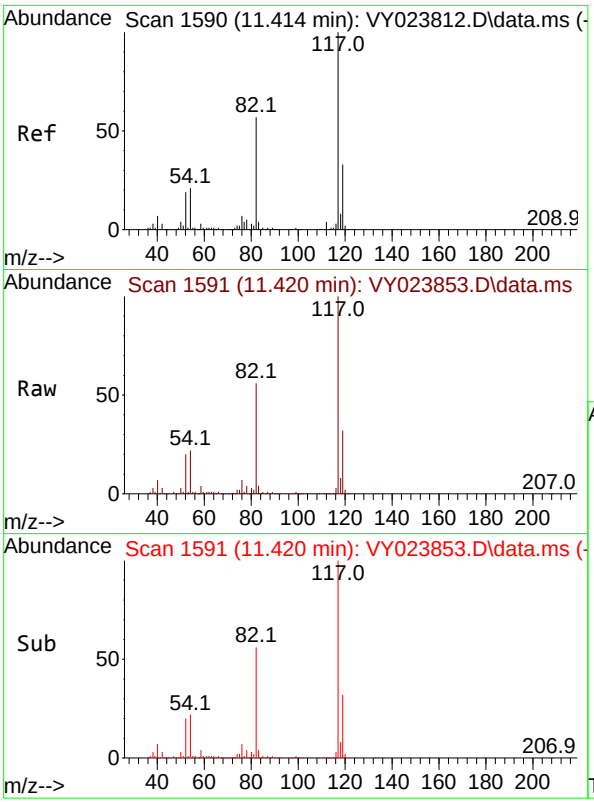


#62
4-Bromofluorobenzene
Concen: 39.421 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 95 Resp: 371558

Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	168.6
176	83.1	0.0	164.6



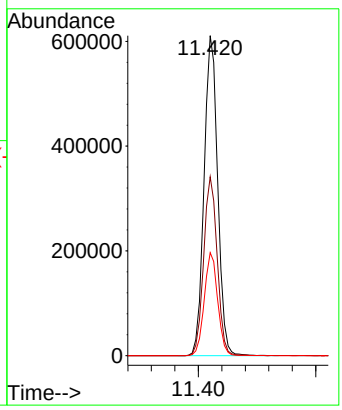


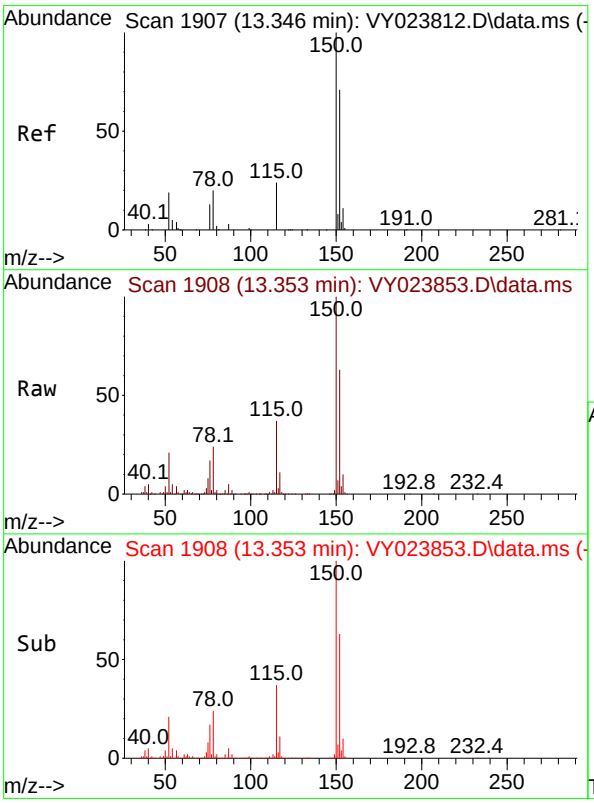
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Tgt Ion:117 Resp: 982717

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.4	68.0
119	32.2	26.0	39.0

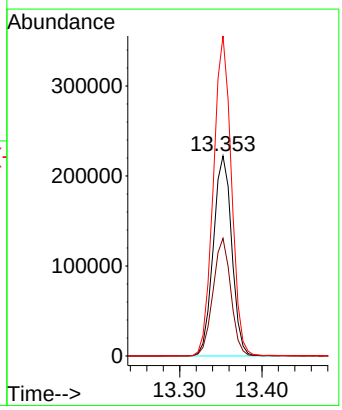




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion:152 Resp: 346373

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.7	86.3
150	156.6	0.0	345.6



Sample Results: **VY023853.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023853.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	467	476	485	rBV6	15607	49424	1.31%	0.268%
2	6.896	837	849	866	rBV2	50707	164556	4.38%	0.891%
3	7.640	960	971	977	rBV	534554	1292310	34.36%	6.996%
4	7.713	977	983	996	rVB	837259	1936382	51.49%	10.483%
5	8.067	1029	1041	1054	rBV	499337	1168209	31.06%	6.324%
6	8.622	1123	1132	1145	rBV	1449898	2798871	74.42%	15.152%
7	10.109	1366	1376	1385	rBV	2163110	3760907	100.00%	20.360%
8	10.512	1436	1442	1451	rBV	64805	124008	3.30%	0.671%
9	10.884	1496	1503	1513	rBV	52285	92955	2.47%	0.503%
10	11.420	1582	1591	1604	rBV	1867911	3009281	80.01%	16.291%
11	12.414	1744	1754	1764	rBV	1219531	2004393	53.30%	10.851%
12	13.353	1901	1908	1915	rBV	1337868	2071103	55.07%	11.212%

Sum of corrected areas: 18472399

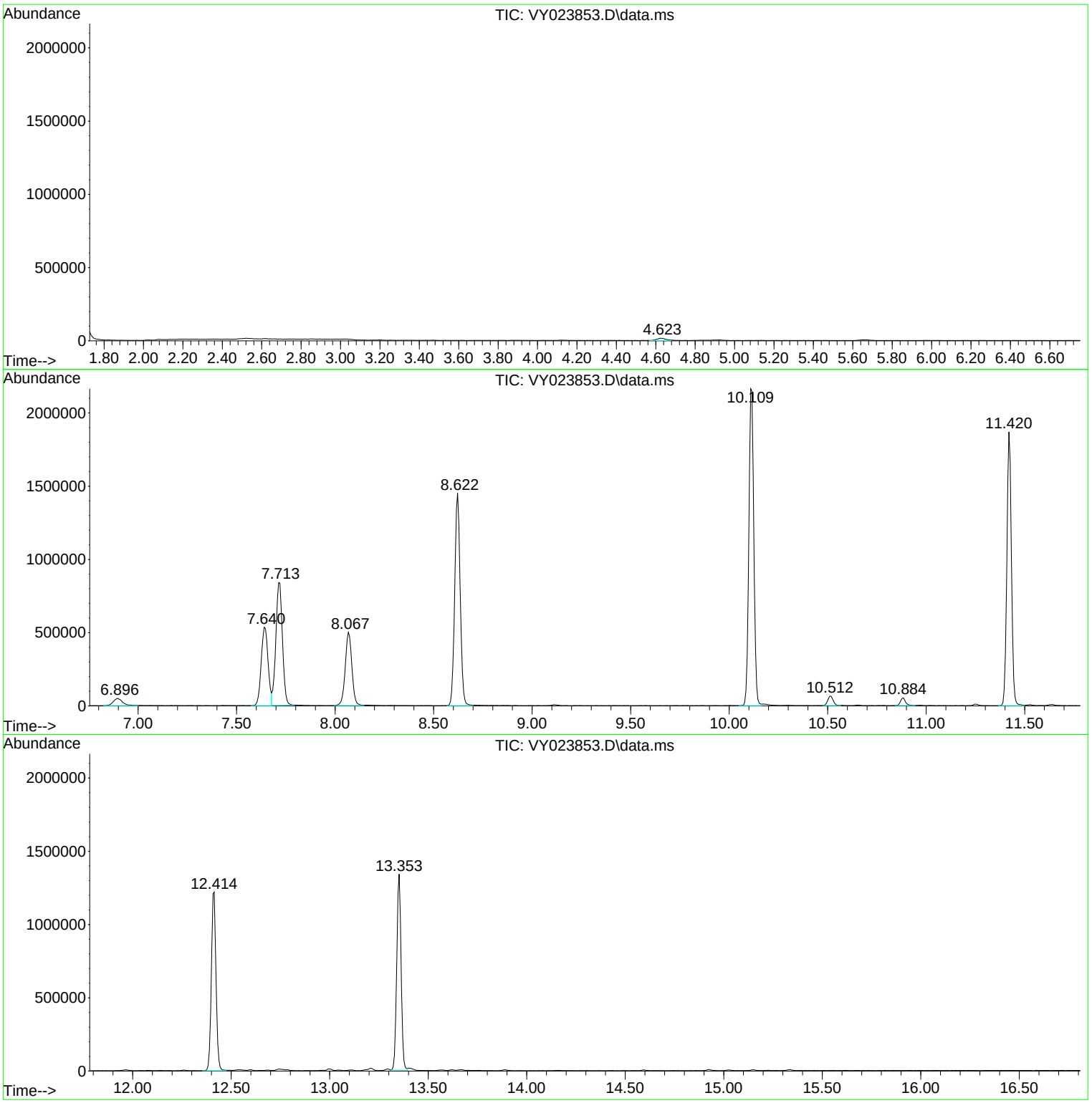
Sample Results: **VY023853.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023853.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023853.D
Acq On : 02 Dec 2025 12:08
Operator : SY/MD
Sample : Q3742-05
Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc

Raw Data: **VY023859.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-13			SDG No.:	Q3742
Lab Sample ID:	Q3742-06			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	85.5
Sample Wt/Vol:	2.12 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	3.10	U	1	3.10	13.8	ug/Kg	12/02/25 14:29	VY120225
74-87-3	Chloromethane	3.10	U	1	3.10	13.8	ug/Kg	12/02/25 14:29	VY120225
75-01-4	Vinyl Chloride	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
74-83-9	Bromomethane	3.00	U	1	3.00	13.8	ug/Kg	12/02/25 14:29	VY120225
75-00-3	Chloroethane	3.50	U	1	3.50	13.8	ug/Kg	12/02/25 14:29	VY120225
75-69-4	Trichlorofluoromethane	3.30	U	1	3.30	13.8	ug/Kg	12/02/25 14:29	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	1	2.90	13.8	ug/Kg	12/02/25 14:29	VY120225
75-35-4	1,1-Dichloroethene	2.80	U	1	2.80	13.8	ug/Kg	12/02/25 14:29	VY120225
67-64-1	Acetone	13.1	U	1	13.1	69.0	ug/Kg	12/02/25 14:29	VY120225
75-15-0	Carbon Disulfide	2.90	U	1	2.90	13.8	ug/Kg	12/02/25 14:29	VY120225
1634-04-4	Methyl tert-butyl Ether	2.00	U	1	2.00	13.8	ug/Kg	12/02/25 14:29	VY120225
79-20-9	Methyl Acetate	4.20	U	1	4.20	13.8	ug/Kg	12/02/25 14:29	VY120225
75-09-2	Methylene Chloride	9.70	U	1	9.70	27.6	ug/Kg	12/02/25 14:29	VY120225
156-60-5	trans-1,2-Dichloroethene	2.40	U	1	2.40	13.8	ug/Kg	12/02/25 14:29	VY120225
75-34-3	1,1-Dichloroethane	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
110-82-7	Cyclohexane	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
78-93-3	2-Butanone	18.0	U	1	18.0	69.0	ug/Kg	12/02/25 14:29	VY120225
56-23-5	Carbon Tetrachloride	2.70	U	1	2.70	13.8	ug/Kg	12/02/25 14:29	VY120225
156-59-2	cis-1,2-Dichloroethene	2.10	U	1	2.10	13.8	ug/Kg	12/02/25 14:29	VY120225
74-97-5	Bromochloromethane	3.20	U	1	3.20	13.8	ug/Kg	12/02/25 14:29	VY120225
67-66-3	Chloroform	2.30	U	1	2.30	13.8	ug/Kg	12/02/25 14:29	VY120225
71-55-6	1,1,1-Trichloroethane	2.60	U	1	2.60	13.8	ug/Kg	12/02/25 14:29	VY120225
108-87-2	Methylcyclohexane	2.50	U	1	2.50	13.8	ug/Kg	12/02/25 14:29	VY120225
71-43-2	Benzene	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
107-06-2	1,2-Dichloroethane	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
79-01-6	Trichloroethene	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
78-87-5	1,2-Dichloropropane	2.50	U	1	2.50	13.8	ug/Kg	12/02/25 14:29	VY120225
75-27-4	Bromodichloromethane	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
108-10-1	4-Methyl-2-Pentanone	9.90	U	1	9.90	69.0	ug/Kg	12/02/25 14:29	VY120225
108-88-3	Toluene	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
10061-02-6	t-1,3-Dichloropropene	1.80	U	1	1.80	13.8	ug/Kg	12/02/25 14:29	VY120225
10061-01-5	cis-1,3-Dichloropropene	1.70	U	1	1.70	13.8	ug/Kg	12/02/25 14:29	VY120225
79-00-5	1,1,2-Trichloroethane	2.50	U	1	2.50	13.8	ug/Kg	12/02/25 14:29	VY120225
591-78-6	2-Hexanone	10.2	U	1	10.2	69.0	ug/Kg	12/02/25 14:29	VY120225
124-48-1	Dibromochloromethane	2.40	U	1	2.40	13.8	ug/Kg	12/02/25 14:29	VY120225
106-93-4	1,2-Dibromoethane	2.40	U	1	2.40	13.8	ug/Kg	12/02/25 14:29	VY120225
127-18-4	Tetrachloroethene	2.90	U	1	2.90	13.8	ug/Kg	12/02/25 14:29	VY120225
108-90-7	Chlorobenzene	2.50	U	1	2.50	13.8	ug/Kg	12/02/25 14:29	VY120225
100-41-4	Ethyl Benzene	1.80	U	1	1.80	13.8	ug/Kg	12/02/25 14:29	VY120225
179601-23-1	m/p-Xylenes	3.40	U	1	3.40	27.6	ug/Kg	12/02/25 14:29	VY120225
95-47-6	o-Xylene	2.30	U	1	2.30	13.8	ug/Kg	12/02/25 14:29	VY120225
100-42-5	Styrene	2.00	U	1	2.00	13.8	ug/Kg	12/02/25 14:29	VY120225
75-25-2	Bromoform	2.40	U	1	2.40	13.8	ug/Kg	12/02/25 14:29	VY120225

Raw Data: **VY023859.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-13	SDG No.:	Q3742
Lab Sample ID:	Q3742-06	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 85.5
Sample Wt/Vol:	2.12 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.20	U	1	2.20	13.8	ug/Kg	12/02/25 14:29	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	3.30	U	1	3.30	13.8	ug/Kg	12/02/25 14:29	VY120225
541-73-1	1,3-Dichlorobenzene	4.70	U	1	4.70	13.8	ug/Kg	12/02/25 14:29	VY120225
106-46-7	1,4-Dichlorobenzene	4.30	U	1	4.30	13.8	ug/Kg	12/02/25 14:29	VY120225
95-50-1	1,2-Dichlorobenzene	4.00	U	1	4.00	13.8	ug/Kg	12/02/25 14:29	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	5.10	U	1	5.10	13.8	ug/Kg	12/02/25 14:29	VY120225
120-82-1	1,2,4-Trichlorobenzene	8.20	U	1	8.20	13.8	ug/Kg	12/02/25 14:29	VY120225
87-61-6	1,2,3-Trichlorobenzene	8.80	U	1	8.80	13.8	ug/Kg	12/02/25 14:29	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.3			63 - 155	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.9			70 - 134	106%	SPK: 50		
2037-26-5	Toluene-d8	50.4			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.6			52 - 138	85%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	636000							
540-36-3	1,4-Difluorobenzene	1170000							
3114-55-4	Chlorobenzene-d5	987000							
3855-82-1	1,4-Dichlorobenzene-d4	379000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Quant Time: Dec 03 01:04:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

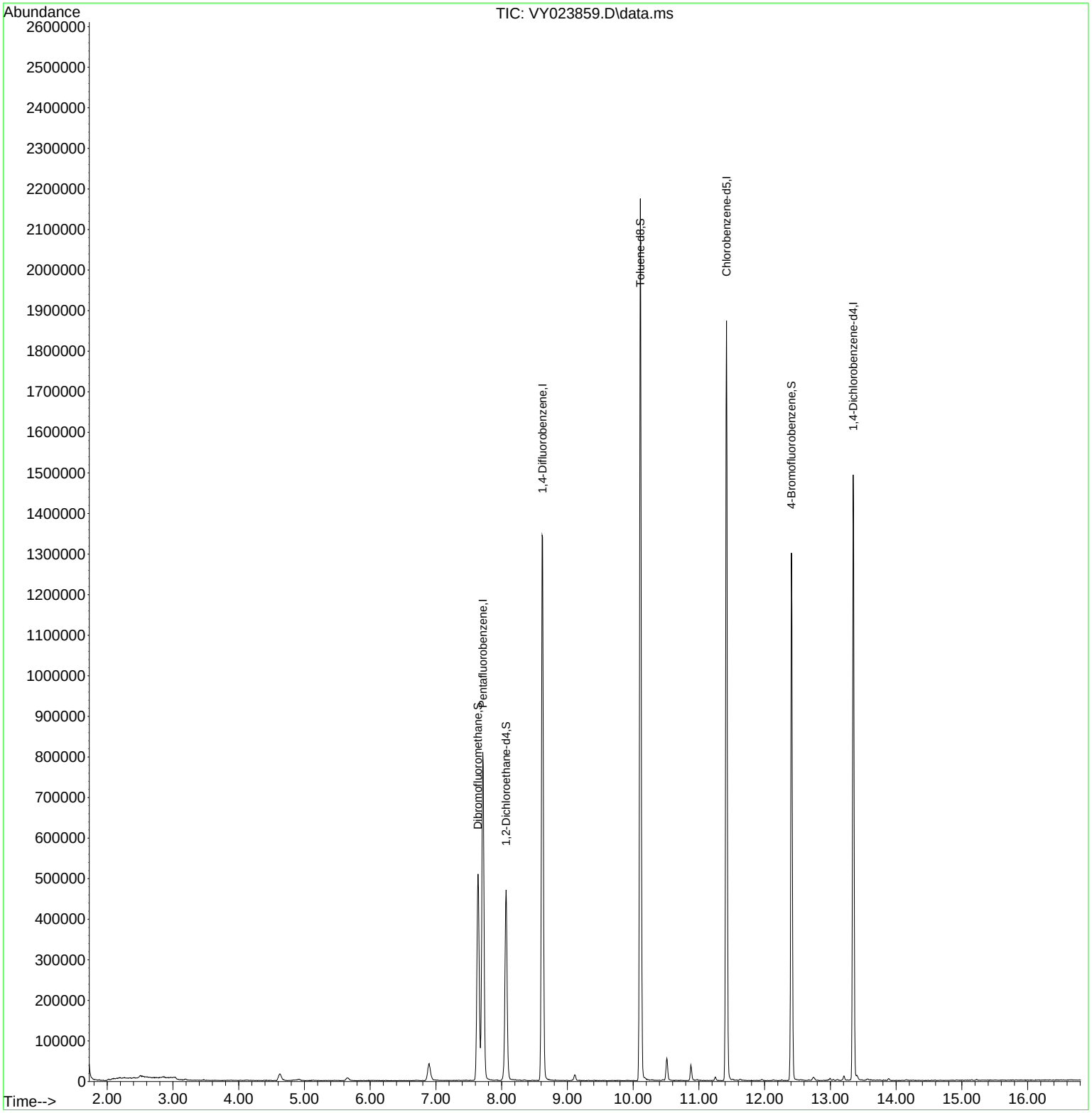
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	636410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1167519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	987282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	379120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	361522	58.332	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.660%			
35) Dibromofluoromethane	7.640	113	366141	52.939	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.109	98	1385526	50.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.408	95	384883	42.580	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.160%			
Target Compounds						Qvalue

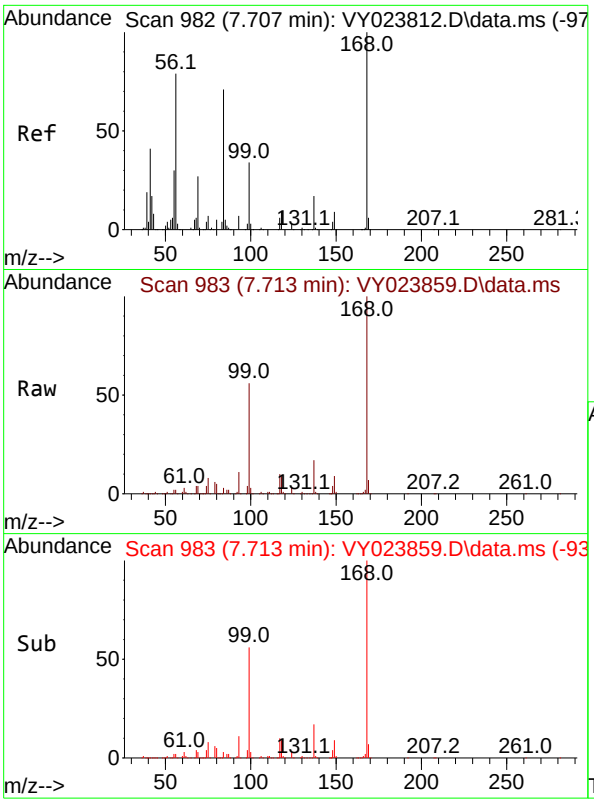
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Quant Time: Dec 03 01:04:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



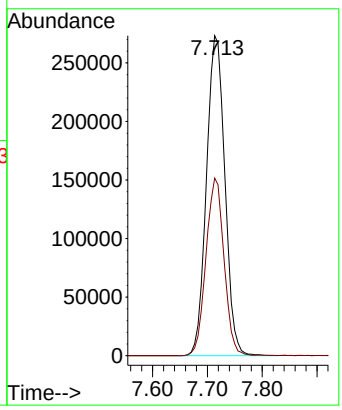


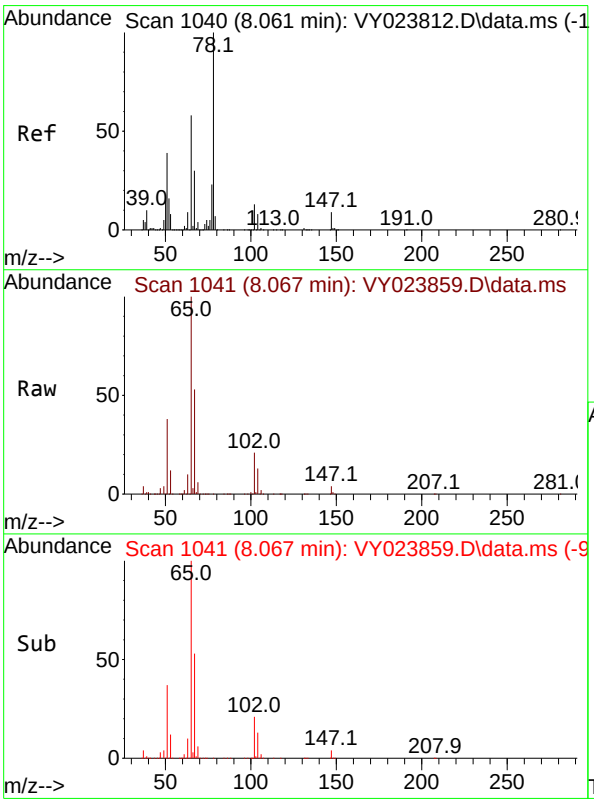
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Tgt Ion:168 Resp: 636410

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.0	66.0

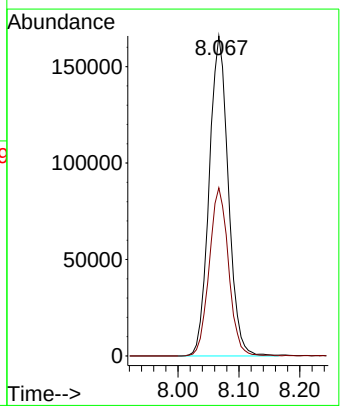


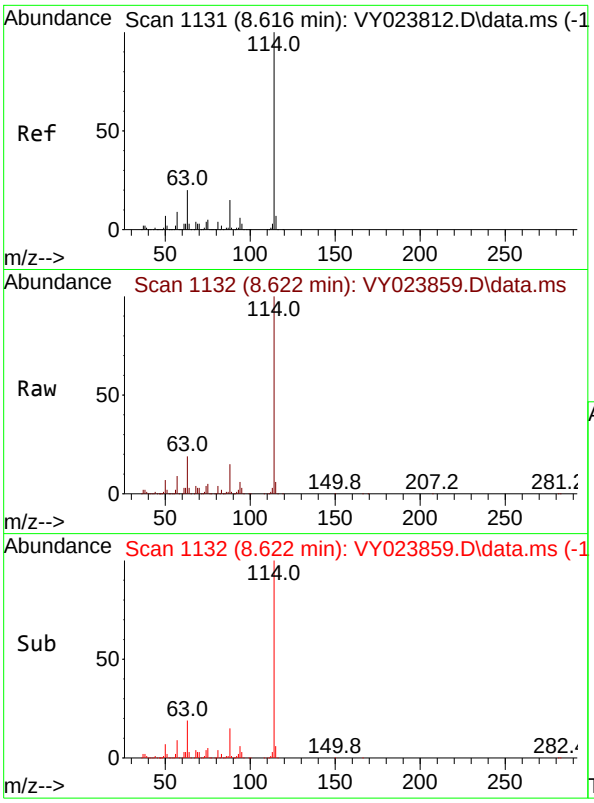


#33
1,2-Dichloroethane-d4
Concen: 58.332 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Tgt Ion: 65 Resp: 361522

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



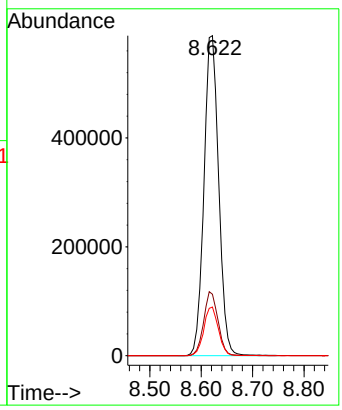


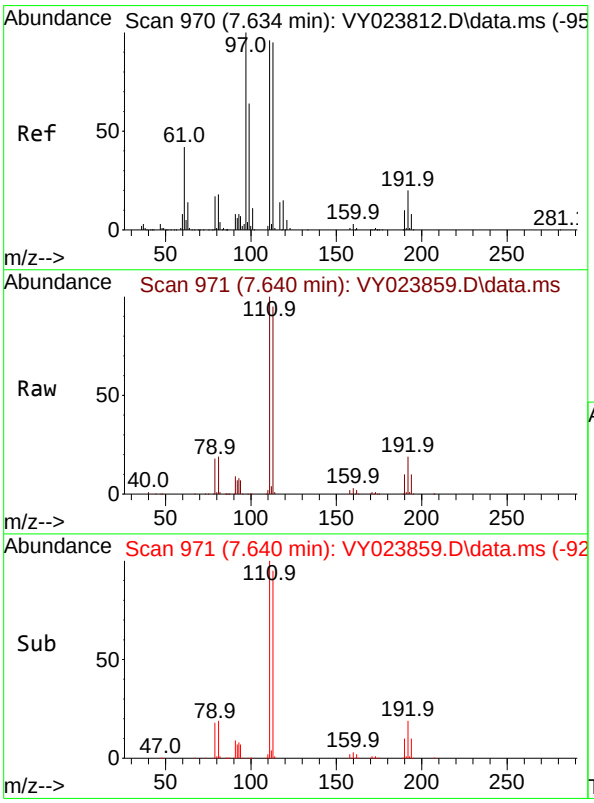
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Tgt Ion:114 Resp: 1167519

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.4
88	15.2	0.0	30.8

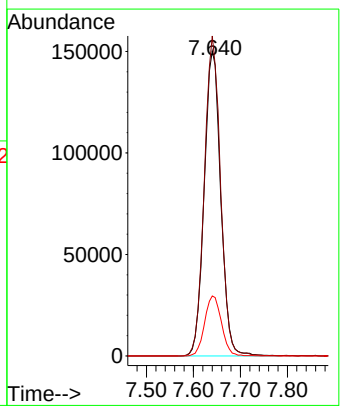


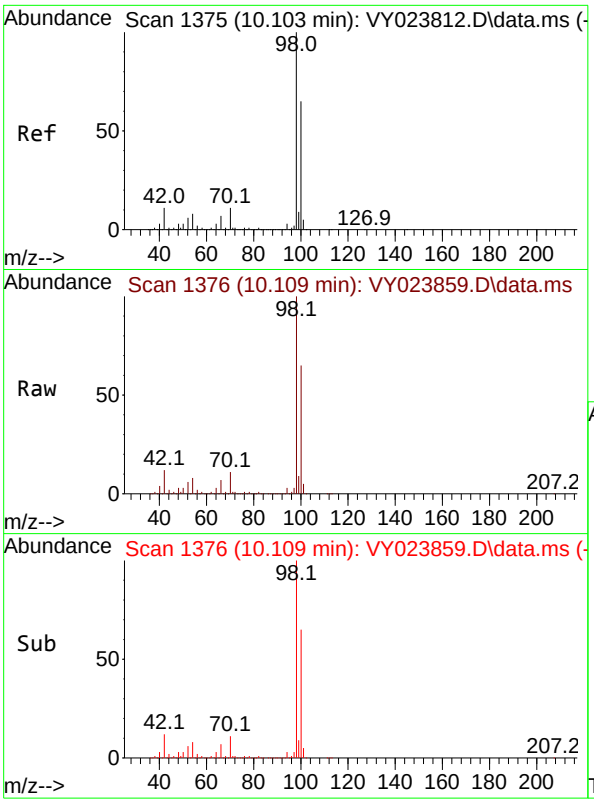


#35
Dibromofluoromethane
Concen: 52.939 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Tgt Ion:113 Resp: 366141

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	20.1	15.8	23.8



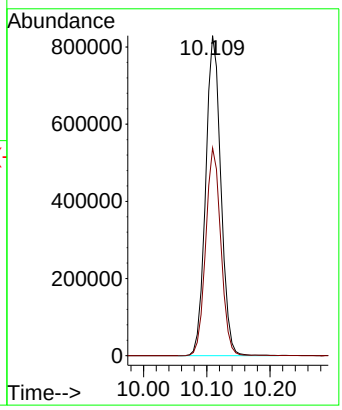


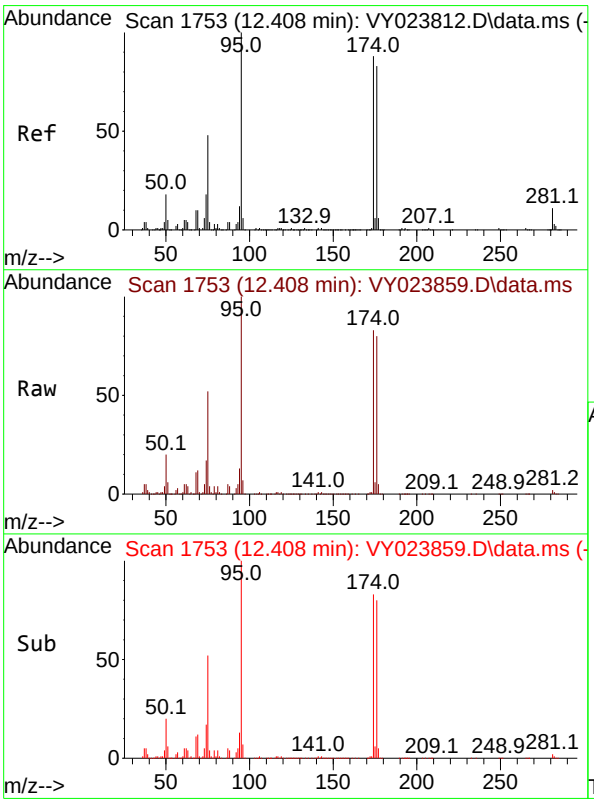
#50
Toluene-d8
Concen: 50.435 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Tgt Ion: 98 Resp: 1385526

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

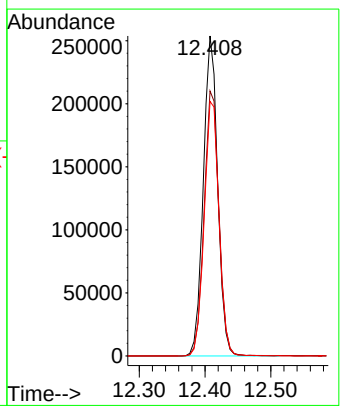


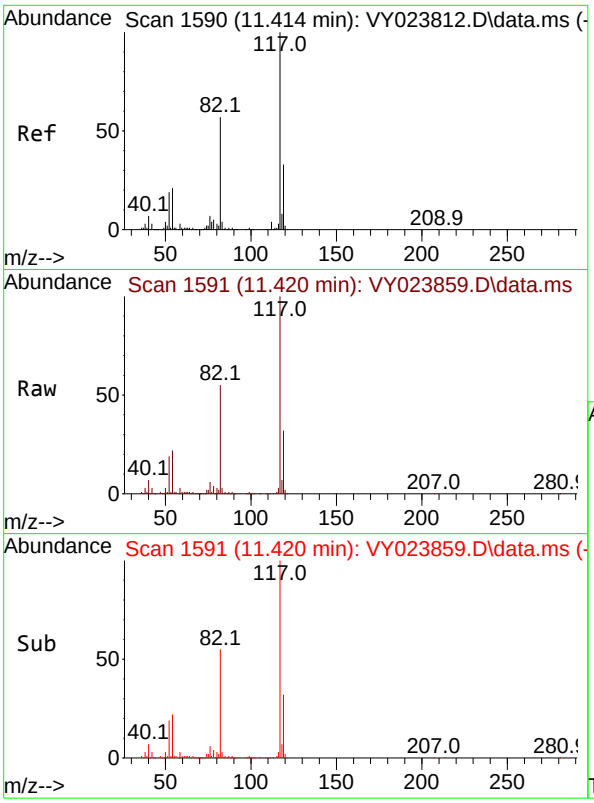


#62
4-Bromofluorobenzene
Concen: 42.580 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Tgt Ion: 95 Resp: 384883

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	168.6
176	82.3	0.0	164.6



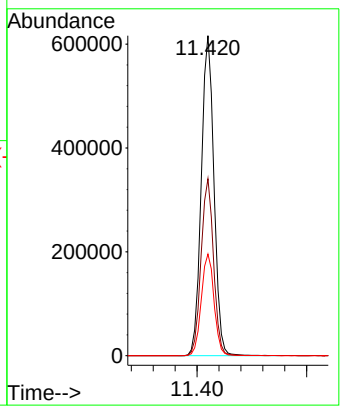


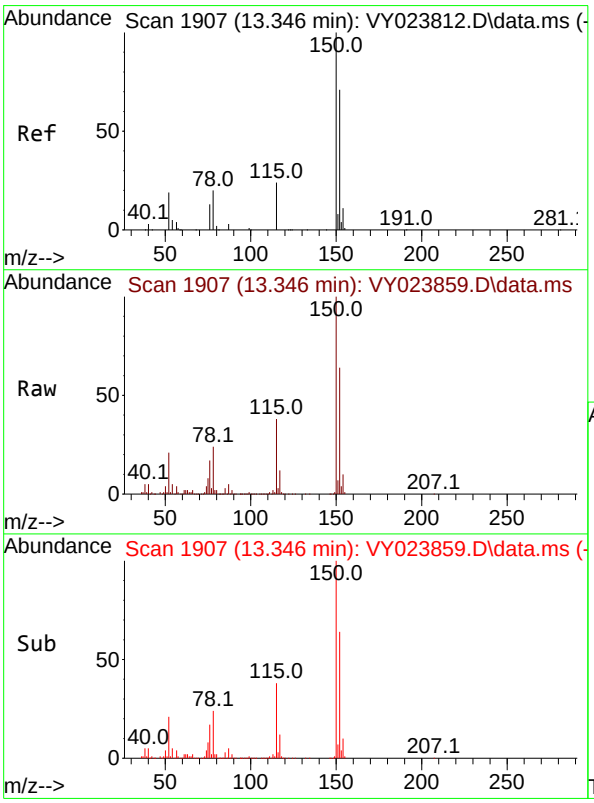
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Tgt Ion:117 Resp: 987282

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.4	68.0
119	31.8	26.0	39.0

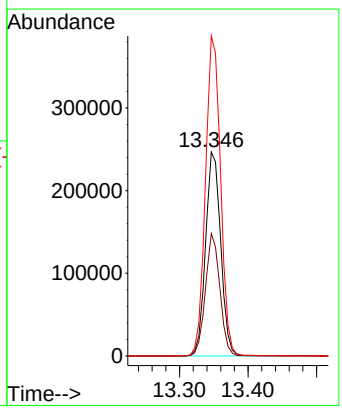




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023859.D
Acq: 02 Dec 2025 14:29

Tgt Ion:152 Resp: 379120

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.7	86.3
150	156.9	0.0	345.6



Sample Results: **VY023859.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023859.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.628	468	477	485	rBV	16735	55305	1.52%	0.305%
2	6.896	838	849	861	rBV	42193	133741	3.67%	0.736%
3	7.640	959	971	977	rBV	508800	1220550	33.49%	6.721%
4	7.713	977	983	995	rVB	806124	1852084	50.82%	10.199%
5	8.067	1028	1041	1051	rBV	469669	1093330	30.00%	6.021%
6	8.616	1121	1131	1146	rBV	1344152	2676074	73.44%	14.736%
7	10.109	1368	1376	1386	rBV	2174126	3644094	100.00%	20.067%
8	10.512	1436	1442	1457	rVB	54541	105288	2.89%	0.580%
9	10.877	1494	1502	1510	rBV	38141	64378	1.77%	0.355%
10	11.420	1583	1591	1603	rBV	1872871	3000814	82.35%	16.524%
11	12.408	1745	1753	1769	rBV	1300603	2048202	56.21%	11.279%
12	13.346	1900	1907	1915	rBV	1491496	2265930	62.18%	12.478%

Sum of corrected areas: 18159790

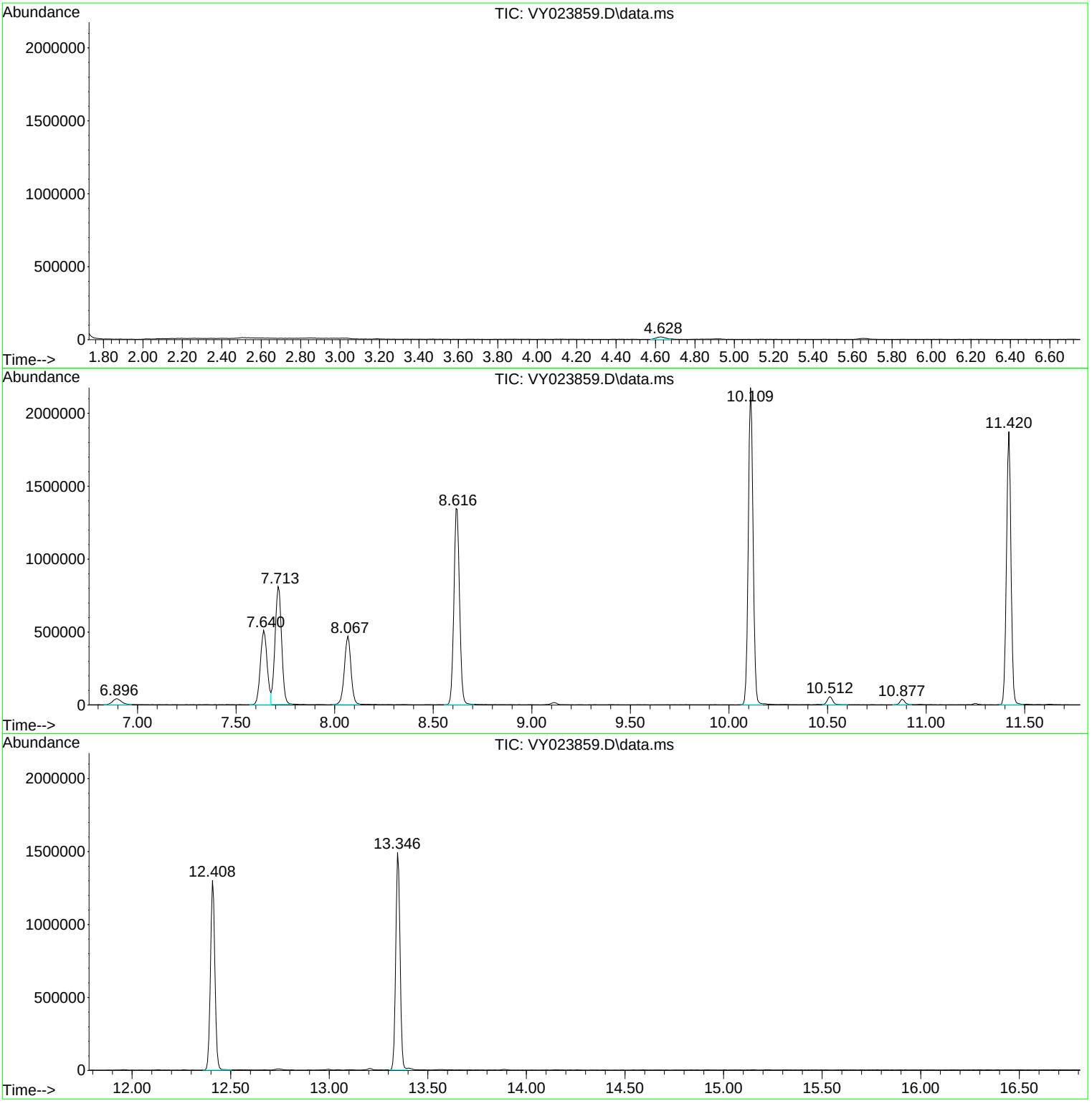
Sample Results: **VY023859.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023859.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023859.D
Acq On : 02 Dec 2025 14:29
Operator : SY/MD
Sample : Q3742-06
Misc : 2.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023894.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-18			SDG No.:	Q3742
Lab Sample ID:	Q3742-07			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	68.3
Sample Wt/Vol:	4.97 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.70	U	1	1.70	7.40	ug/Kg	12/04/25 15:06	VY120425
74-87-3	Chloromethane	1.70	U	1	1.70	7.40	ug/Kg	12/04/25 15:06	VY120425
75-01-4	Vinyl Chloride	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
74-83-9	Bromomethane	1.60	U	1	1.60	7.40	ug/Kg	12/04/25 15:06	VY120425
75-00-3	Chloroethane	1.90	U	1	1.90	7.40	ug/Kg	12/04/25 15:06	VY120425
75-69-4	Trichlorofluoromethane	1.80	U	1	1.80	7.40	ug/Kg	12/04/25 15:06	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	U	1	1.60	7.40	ug/Kg	12/04/25 15:06	VY120425
75-35-4	1,1-Dichloroethene	1.50	U	1	1.50	7.40	ug/Kg	12/04/25 15:06	VY120425
67-64-1	Acetone	35.2	J	1	7.00	36.8	ug/Kg	12/04/25 15:06	VY120425
75-15-0	Carbon Disulfide	1.60	U	1	1.60	7.40	ug/Kg	12/04/25 15:06	VY120425
1634-04-4	Methyl tert-butyl Ether	1.10	U	1	1.10	7.40	ug/Kg	12/04/25 15:06	VY120425
79-20-9	Methyl Acetate	2.30	U	1	2.30	7.40	ug/Kg	12/04/25 15:06	VY120425
75-09-2	Methylene Chloride	5.20	U	1	5.20	14.7	ug/Kg	12/04/25 15:06	VY120425
156-60-5	trans-1,2-Dichloroethene	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
75-34-3	1,1-Dichloroethane	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
110-82-7	Cyclohexane	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
78-93-3	2-Butanone	9.60	U	1	9.60	36.8	ug/Kg	12/04/25 15:06	VY120425
56-23-5	Carbon Tetrachloride	1.40	U	1	1.40	7.40	ug/Kg	12/04/25 15:06	VY120425
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.40	ug/Kg	12/04/25 15:06	VY120425
74-97-5	Bromochloromethane	1.70	U	1	1.70	7.40	ug/Kg	12/04/25 15:06	VY120425
67-66-3	Chloroform	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
71-55-6	1,1,1-Trichloroethane	1.40	U	1	1.40	7.40	ug/Kg	12/04/25 15:06	VY120425
108-87-2	Methylcyclohexane	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
71-43-2	Benzene	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
107-06-2	1,2-Dichloroethane	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
79-01-6	Trichloroethene	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
75-27-4	Bromodichloromethane	1.10	U	1	1.10	7.40	ug/Kg	12/04/25 15:06	VY120425
108-10-1	4-Methyl-2-Pentanone	5.30	U	1	5.30	36.8	ug/Kg	12/04/25 15:06	VY120425
108-88-3	Toluene	1.10	U	1	1.10	7.40	ug/Kg	12/04/25 15:06	VY120425
10061-02-6	t-1,3-Dichloropropene	0.96	U	1	0.96	7.40	ug/Kg	12/04/25 15:06	VY120425
10061-01-5	cis-1,3-Dichloropropene	0.91	U	1	0.91	7.40	ug/Kg	12/04/25 15:06	VY120425
79-00-5	1,1,2-Trichloroethane	1.40	U	1	1.40	7.40	ug/Kg	12/04/25 15:06	VY120425
591-78-6	2-Hexanone	5.40	U	1	5.40	36.8	ug/Kg	12/04/25 15:06	VY120425
124-48-1	Dibromochloromethane	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
127-18-4	Tetrachloroethene	1.50	U	1	1.50	7.40	ug/Kg	12/04/25 15:06	VY120425
108-90-7	Chlorobenzene	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425
100-41-4	Ethyl Benzene	0.99	U	1	0.99	7.40	ug/Kg	12/04/25 15:06	VY120425
179601-23-1	m/p-Xylenes	1.80	U	1	1.80	14.7	ug/Kg	12/04/25 15:06	VY120425
95-47-6	o-Xylene	1.20	U	1	1.20	7.40	ug/Kg	12/04/25 15:06	VY120425
100-42-5	Styrene	1.00	U	1	1.00	7.40	ug/Kg	12/04/25 15:06	VY120425
75-25-2	Bromoform	1.30	U	1	1.30	7.40	ug/Kg	12/04/25 15:06	VY120425

Raw Data: **VY023894.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-18			SDG No.:	Q3742
Lab Sample ID:	Q3742-07			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	68.3
Sample Wt/Vol:	4.97 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	7.40	ug/Kg	12/04/25 15:06	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1	1.80	7.40	ug/Kg	12/04/25 15:06	VY120425
541-73-1	1,3-Dichlorobenzene	2.50	U	1	2.50	7.40	ug/Kg	12/04/25 15:06	VY120425
106-46-7	1,4-Dichlorobenzene	2.30	U	1	2.30	7.40	ug/Kg	12/04/25 15:06	VY120425
95-50-1	1,2-Dichlorobenzene	2.10	U	1	2.10	7.40	ug/Kg	12/04/25 15:06	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1	2.70	7.40	ug/Kg	12/04/25 15:06	VY120425
120-82-1	1,2,4-Trichlorobenzene	4.40	U	1	4.40	7.40	ug/Kg	12/04/25 15:06	VY120425
87-61-6	1,2,3-Trichlorobenzene	4.70	U	1	4.70	7.40	ug/Kg	12/04/25 15:06	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.0			63 - 155	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.4			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	45.6			74 - 123	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.8			52 - 138	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	782000							
540-36-3	1,4-Difluorobenzene	1290000							
3114-55-4	Chlorobenzene-d5	1110000							
3855-82-1	1,4-Dichlorobenzene-d4	483000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY023894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Quant Time: Dec 05 01:47:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

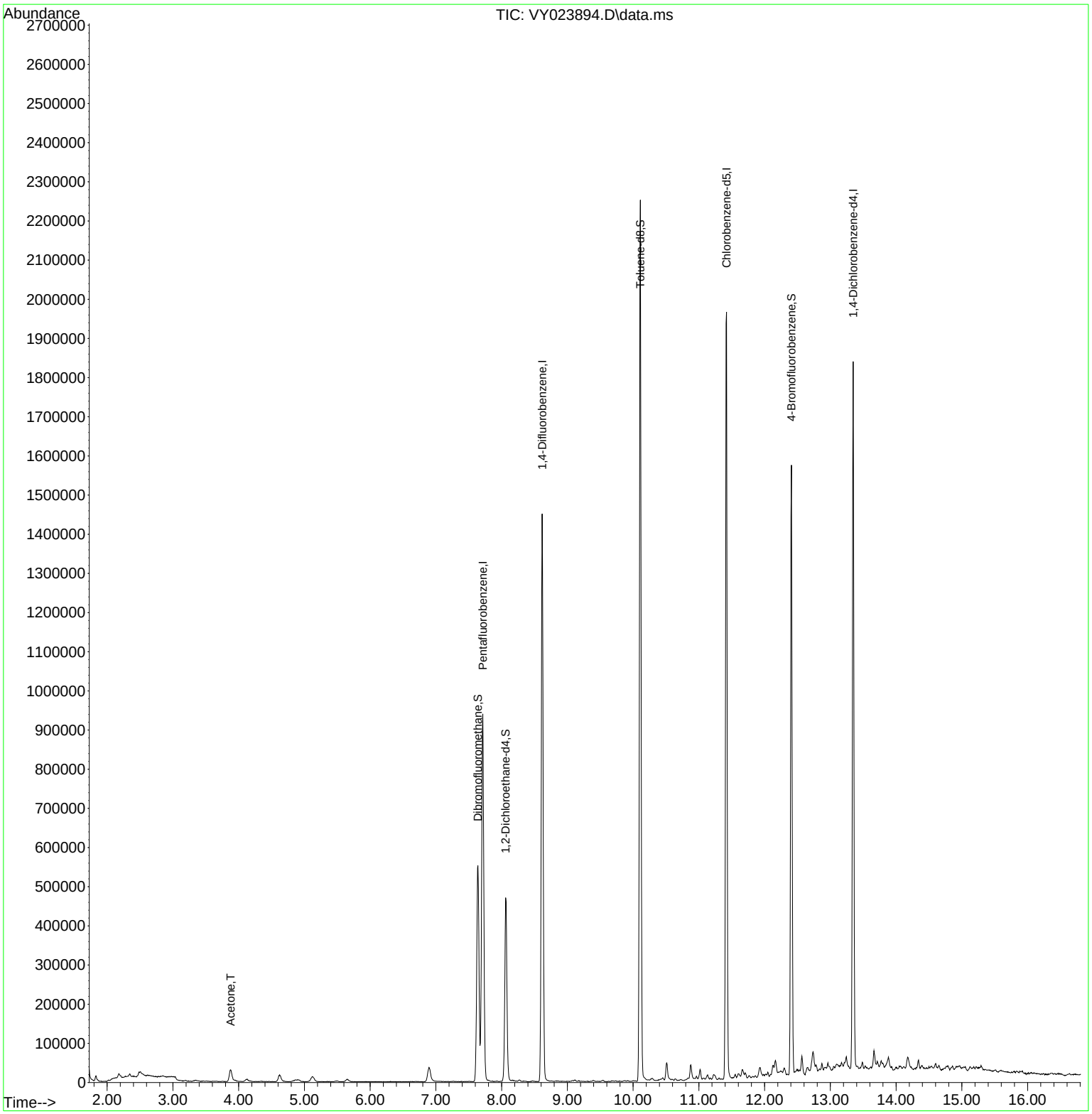
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	781859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1291434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1105691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	482687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	367481	46.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.960%			
35) Dibromofluoromethane	7.640	113	400845	48.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.780%			
50) Toluene-d8	10.109	98	1471058	45.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.280%			
62) 4-Bromofluorobenzene	12.408	95	459268	41.776	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.560%			
Target Compounds						Qvalue
16) Acetone	3.879	43	56042	23.912	ug/l	95

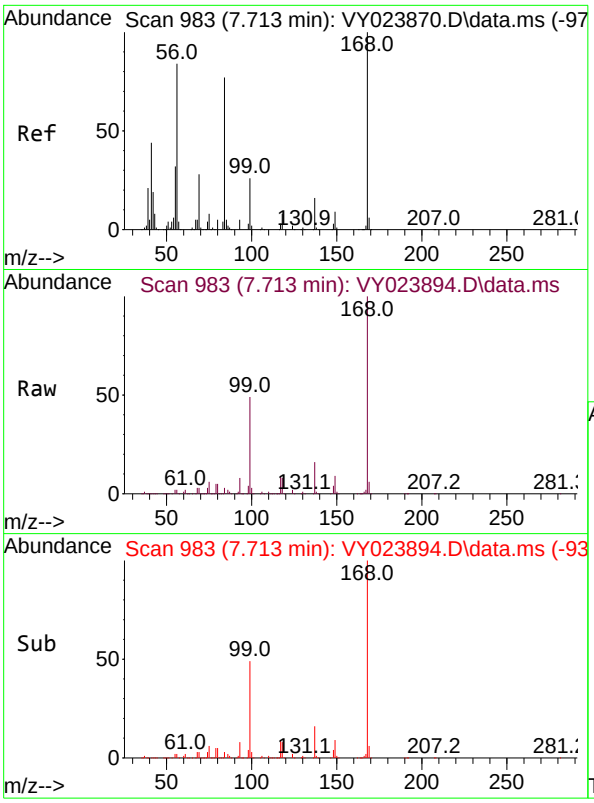
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Quant Time: Dec 05 01:47:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



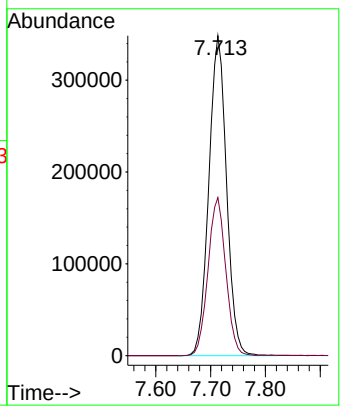


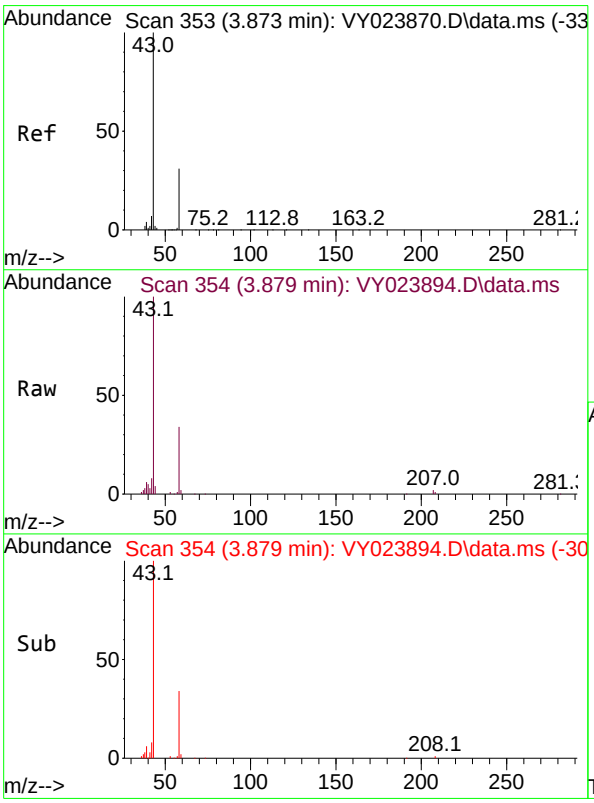
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion:168 Resp: 781859

Ion	Ratio	Lower	Upper
168	100		
99	49.4	42.5	63.7

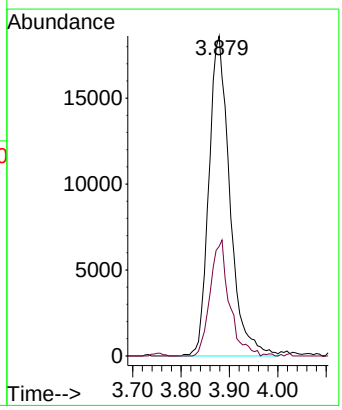


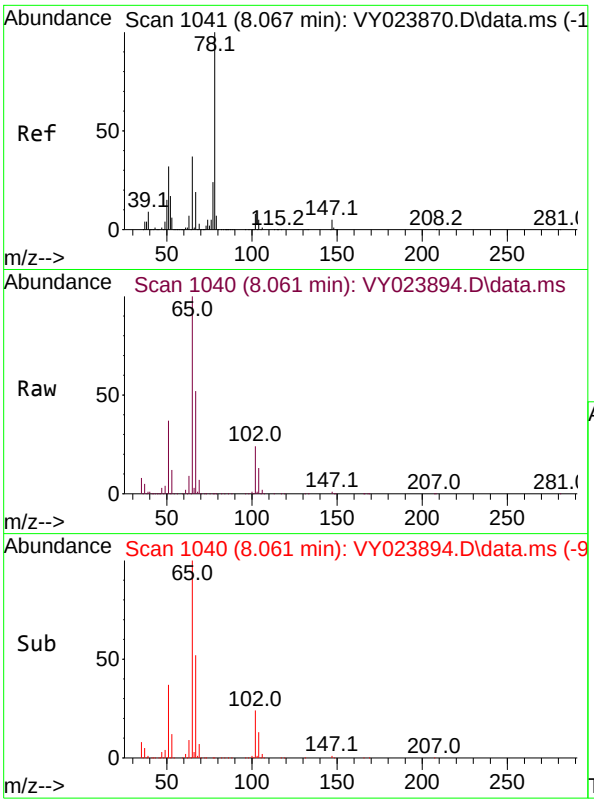


#16
Acetone
Concen: 23.912 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 43 Resp: 56042

Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.1	37.7



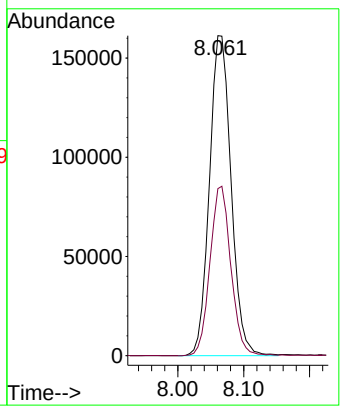


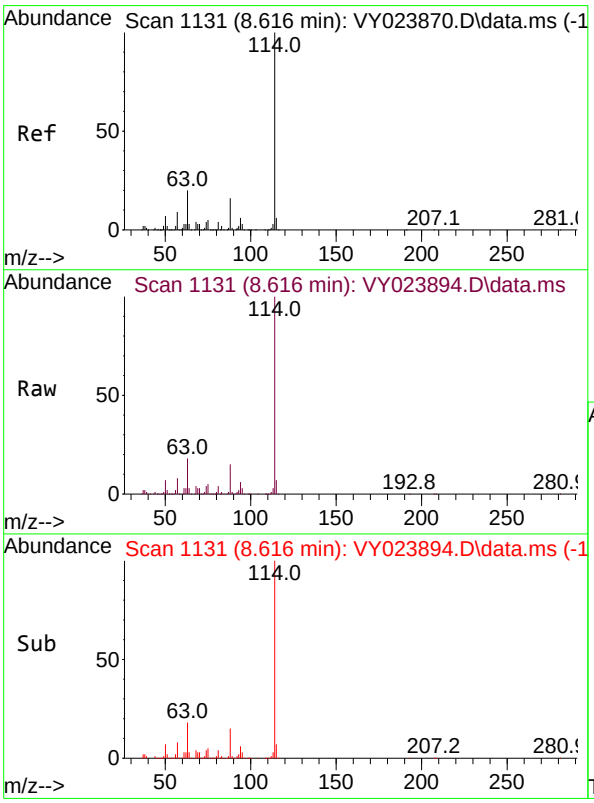
#33
1,2-Dichloroethane-d4
Concen: 46.984 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion: 65 Resp: 367481

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	107.2

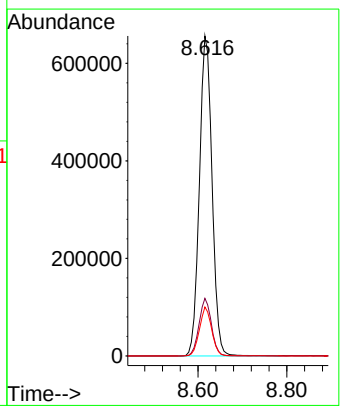


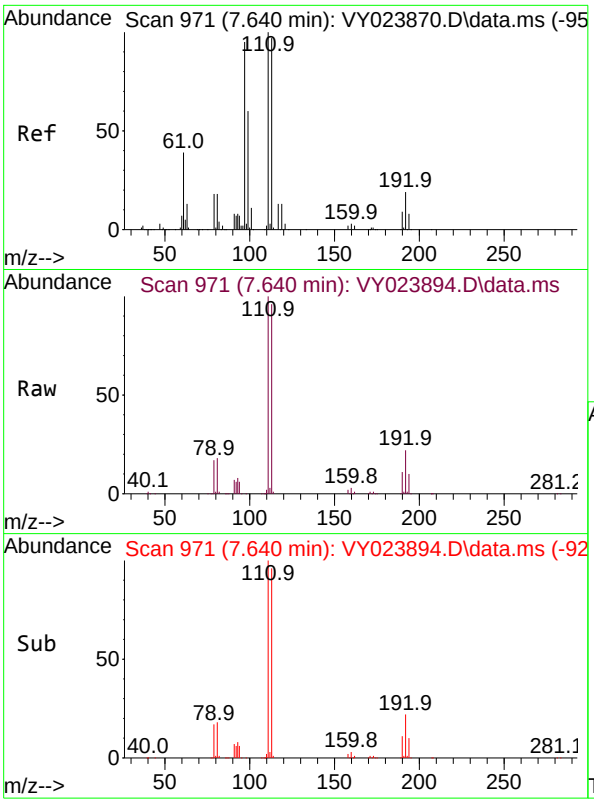


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion:114 Resp: 1291434

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	39.2
88	15.3	0.0	31.4



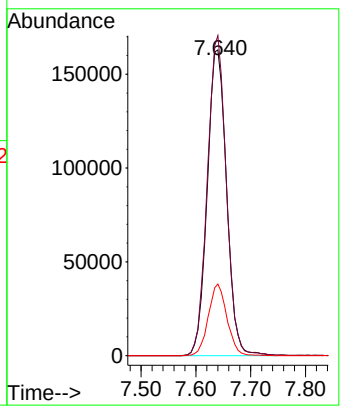


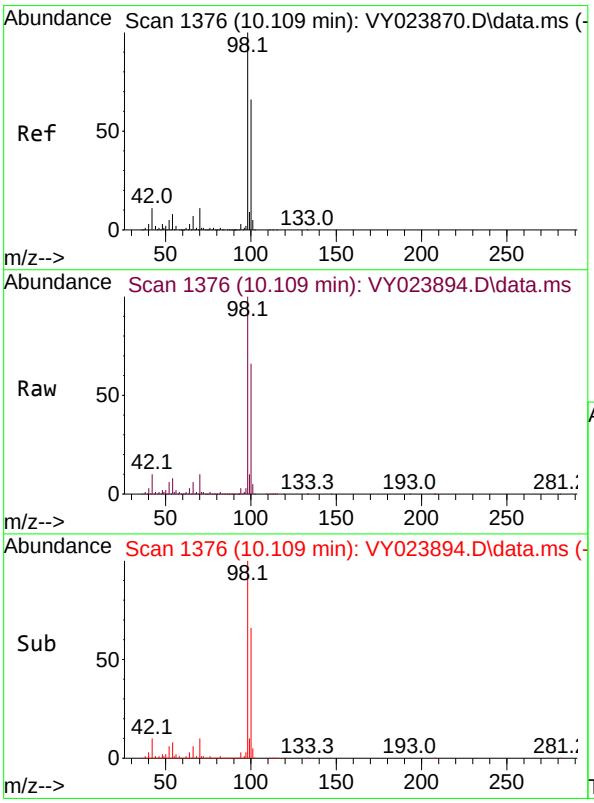
#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion:113 Resp: 400845

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	22.5	15.8	23.8

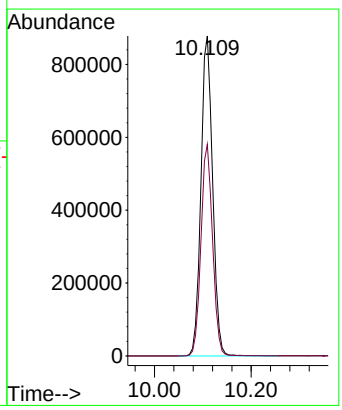


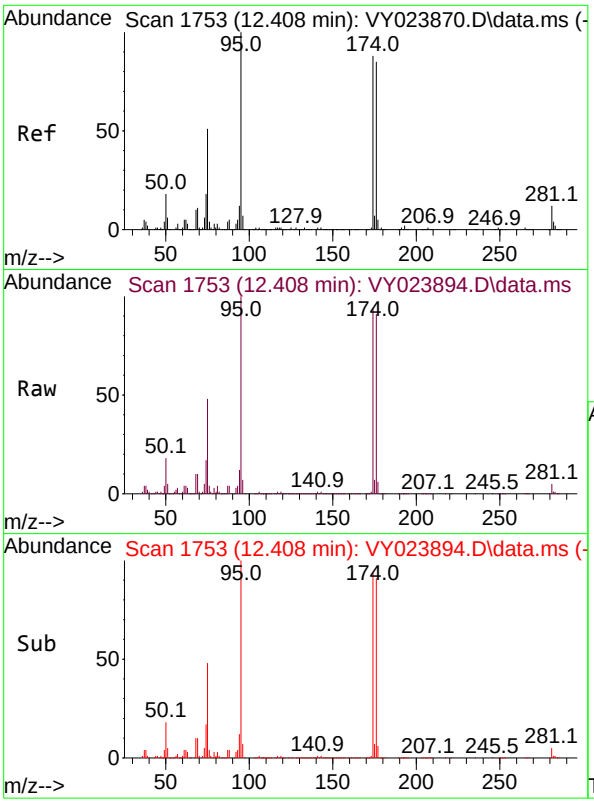


#50
Toluene-d8
Concen: 45.640 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 98 Resp: 1471058

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.5	78.7



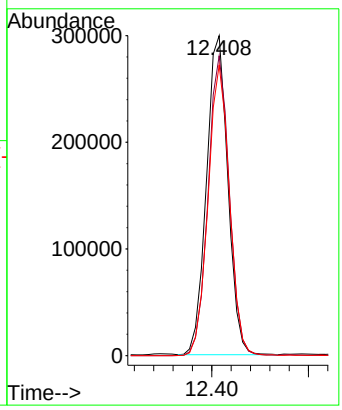


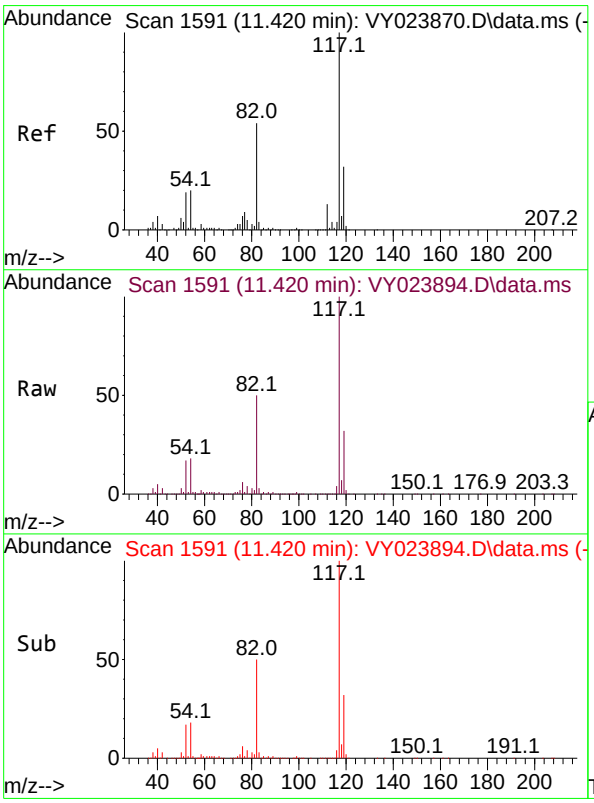
#62
4-Bromofluorobenzene
Concen: 41.776 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion: 95 Resp: 459268

Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	169.6
176	91.1	0.0	164.4

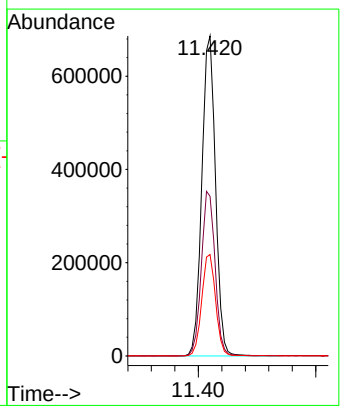


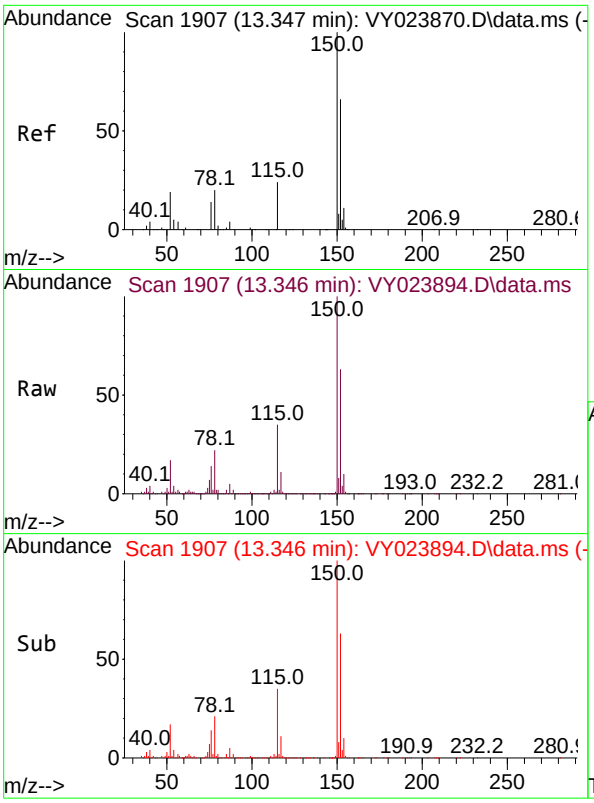


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion:117 Resp: 1105691

Ion	Ratio	Lower	Upper
117	100		
82	49.9	43.1	64.7
119	31.7	26.0	39.0



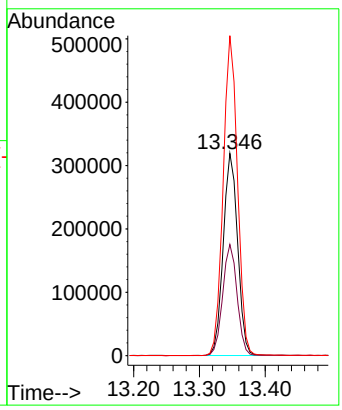


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion:152 Resp: 482687

Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.8	86.4
150	157.1	0.0	352.2



Sample Results: **VY023894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	344	354	365	rBV2	29815	89794	2.35%	0.433%
2	4.622	467	476	486	rBV2	16999	50178	1.31%	0.242%
3	5.122	545	558	576	rVB3	13024	51793	1.36%	0.250%
4	6.896	839	849	863	rBV3	36246	119311	3.13%	0.576%
5	7.640	960	971	976	rBV	551707	1329402	34.84%	6.415%
6	7.713	976	983	995	rVB	936700	2143909	56.18%	10.346%
7	8.061	1030	1040	1052	rBV	468655	1044354	27.37%	5.040%
8	8.616	1122	1131	1146	rBV	1449636	2830635	74.17%	13.659%
9	10.109	1367	1376	1392	rBV	2250658	3816205	100.00%	18.415%
10	10.512	1436	1442	1453	rBV2	43940	91616	2.40%	0.442%
11	10.877	1497	1502	1509	rVB	35083	60950	1.60%	0.294%
12	11.018	1520	1525	1530	rVB3	24824	40955	1.07%	0.198%
13	11.420	1583	1591	1605	rBV	1958942	3229145	84.62%	15.582%
14	11.926	1667	1674	1681	rBV6	25075	64952	1.70%	0.313%
15	12.127	1702	1707	1709	rBV4	24107	40139	1.05%	0.194%
16	12.164	1709	1713	1719	rVB5	31924	63597	1.67%	0.307%
17	12.408	1746	1753	1760	rBV	1557093	2461699	64.51%	11.879%
18	12.566	1775	1779	1787	rVB3	47391	83193	2.18%	0.401%
19	12.658	1787	1794	1799	rBV8	18959	56715	1.49%	0.274%
20	12.737	1800	1807	1813	rBV6	47135	115816	3.03%	0.559%
21	13.243	1883	1890	1900	rVB6	30248	75110	1.97%	0.362%
22	13.346	1900	1907	1915	rBV	1805462	2736846	71.72%	13.207%
23	13.663	1955	1959	1965	rBV4	39267	66274	1.74%	0.320%
24	14.176	2038	2043	2051	rBV9	27049	60401	1.58%	0.291%

Sum of corrected areas: 20722989

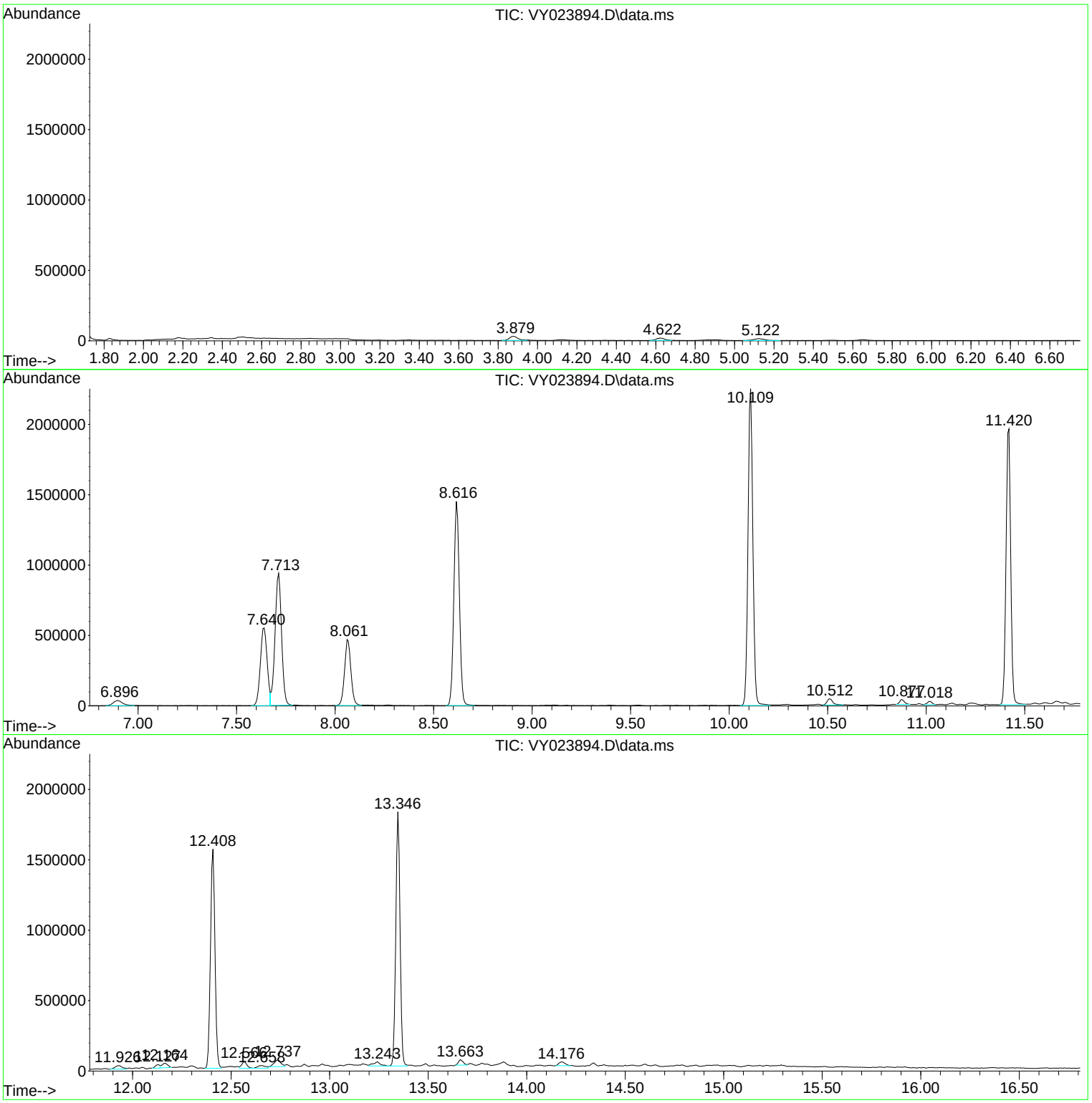
Sample Results: **VY023894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023894.D
Acq On : 04 Dec 2025 15:06
Operator : SY/MD
Sample : Q3742-07
Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023861.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-20			SDG No.:	Q3742
Lab Sample ID:	Q3742-08			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	80.4
Sample Wt/Vol:	4.3 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60	U	1	1.60	7.20	ug/Kg	12/02/25 15:57	VY120225
74-87-3	Chloromethane	1.60	U	1	1.60	7.20	ug/Kg	12/02/25 15:57	VY120225
75-01-4	Vinyl Chloride	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
74-83-9	Bromomethane	1.50	U	1	1.50	7.20	ug/Kg	12/02/25 15:57	VY120225
75-00-3	Chloroethane	1.80	U	1	1.80	7.20	ug/Kg	12/02/25 15:57	VY120225
75-69-4	Trichlorofluoromethane	1.70	U	1	1.70	7.20	ug/Kg	12/02/25 15:57	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1	1.50	7.20	ug/Kg	12/02/25 15:57	VY120225
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	7.20	ug/Kg	12/02/25 15:57	VY120225
67-64-1	Acetone	23.4	J	1	6.90	36.2	ug/Kg	12/02/25 15:57	VY120225
75-15-0	Carbon Disulfide	1.50	U	1	1.50	7.20	ug/Kg	12/02/25 15:57	VY120225
1634-04-4	Methyl tert-butyl Ether	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
79-20-9	Methyl Acetate	2.20	U	1	2.20	7.20	ug/Kg	12/02/25 15:57	VY120225
75-09-2	Methylene Chloride	5.10	U	1	5.10	14.5	ug/Kg	12/02/25 15:57	VY120225
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225
75-34-3	1,1-Dichloroethane	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225
110-82-7	Cyclohexane	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
78-93-3	2-Butanone	9.50	U	1	9.50	36.2	ug/Kg	12/02/25 15:57	VY120225
56-23-5	Carbon Tetrachloride	1.40	U	1	1.40	7.20	ug/Kg	12/02/25 15:57	VY120225
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
74-97-5	Bromochloromethane	1.70	U	1	1.70	7.20	ug/Kg	12/02/25 15:57	VY120225
67-66-3	Chloroform	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
108-87-2	Methylcyclohexane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
71-43-2	Benzene	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
79-01-6	Trichloroethene	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
75-27-4	Bromodichloromethane	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
108-10-1	4-Methyl-2-Pentanone	5.20	U	1	5.20	36.2	ug/Kg	12/02/25 15:57	VY120225
108-88-3	Toluene	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
10061-02-6	t-1,3-Dichloropropene	0.94	U	1	0.94	7.20	ug/Kg	12/02/25 15:57	VY120225
10061-01-5	cis-1,3-Dichloropropene	0.90	U	1	0.90	7.20	ug/Kg	12/02/25 15:57	VY120225
79-00-5	1,1,2-Trichloroethane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
591-78-6	2-Hexanone	5.30	U	1	5.30	36.2	ug/Kg	12/02/25 15:57	VY120225
124-48-1	Dibromochloromethane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
127-18-4	Tetrachloroethene	1.50	U	1	1.50	7.20	ug/Kg	12/02/25 15:57	VY120225
108-90-7	Chlorobenzene	1.30	U	1	1.30	7.20	ug/Kg	12/02/25 15:57	VY120225
100-41-4	Ethyl Benzene	0.97	U	1	0.97	7.20	ug/Kg	12/02/25 15:57	VY120225
179601-23-1	m/p-Xylenes	1.80	U	1	1.80	14.5	ug/Kg	12/02/25 15:57	VY120225
95-47-6	o-Xylene	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225
100-42-5	Styrene	1.00	U	1	1.00	7.20	ug/Kg	12/02/25 15:57	VY120225
75-25-2	Bromoform	1.20	U	1	1.20	7.20	ug/Kg	12/02/25 15:57	VY120225

Raw Data: **VY023861.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-20	SDG No.:	Q3742
Lab Sample ID:	Q3742-08	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 80.4
Sample Wt/Vol:	4.3 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	7.20	ug/Kg	12/02/25 15:57	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	1.70	7.20	ug/Kg	12/02/25 15:57	VY120225
541-73-1	1,3-Dichlorobenzene	2.50	U	1	2.50	7.20	ug/Kg	12/02/25 15:57	VY120225
106-46-7	1,4-Dichlorobenzene	2.30	U	1	2.30	7.20	ug/Kg	12/02/25 15:57	VY120225
95-50-1	1,2-Dichlorobenzene	2.10	U	1	2.10	7.20	ug/Kg	12/02/25 15:57	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1	2.70	7.20	ug/Kg	12/02/25 15:57	VY120225
120-82-1	1,2,4-Trichlorobenzene	4.30	U	1	4.30	7.20	ug/Kg	12/02/25 15:57	VY120225
87-61-6	1,2,3-Trichlorobenzene	4.60	U	1	4.60	7.20	ug/Kg	12/02/25 15:57	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.9			63 - 155	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	50.7			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.5			52 - 138	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	670000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	472000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Quant Time: Dec 03 01:05:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

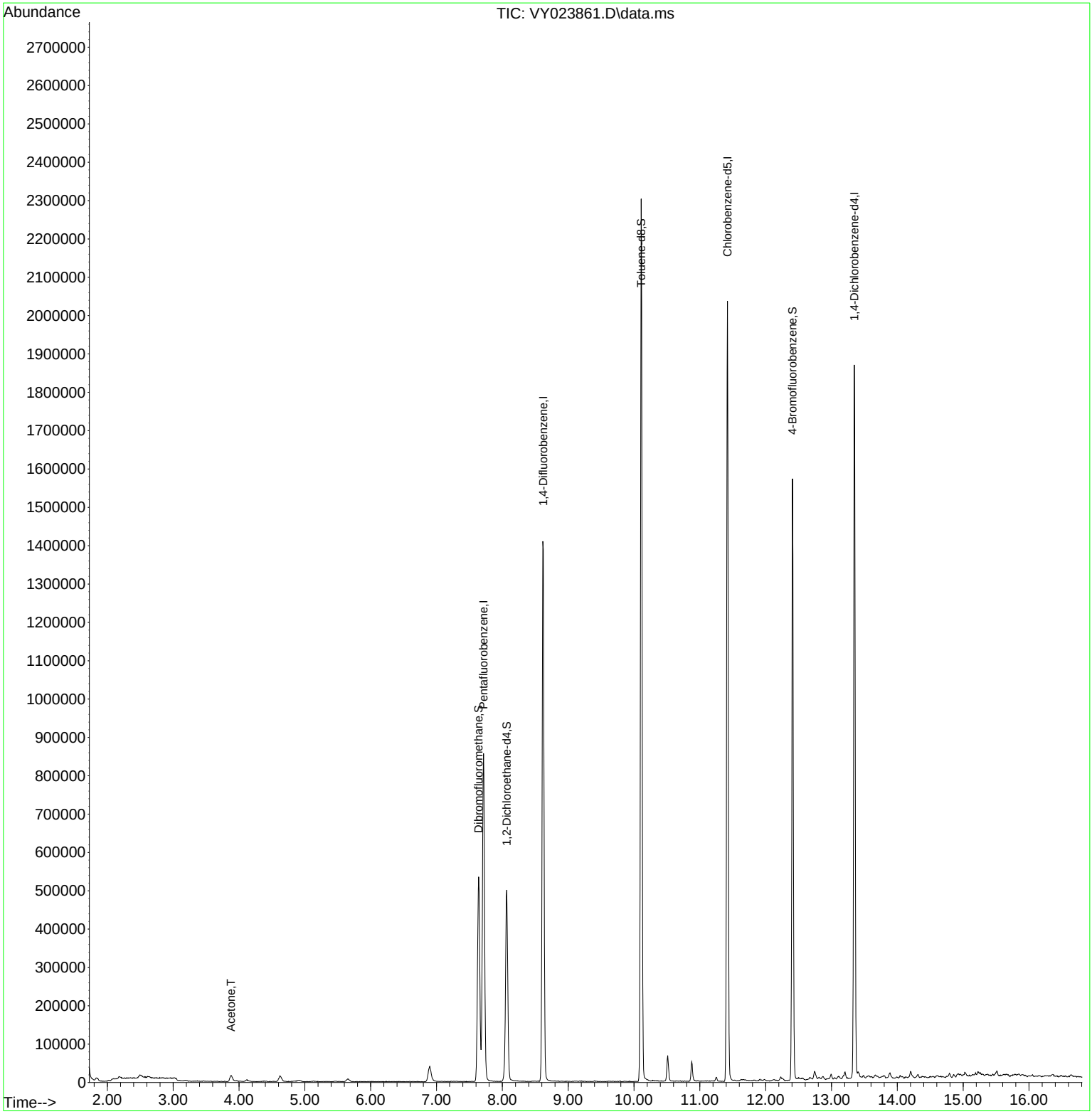
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	669833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1222438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1079191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	471581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	384278	58.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.820%			
35) Dibromofluoromethane	7.640	113	386174	53.327	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.109	98	1458895	50.720	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.408	95	449272	47.471	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.940%			
Target Compounds						Qvalue
16) Acetone	3.879	43	30462	16.208	ug/l	92

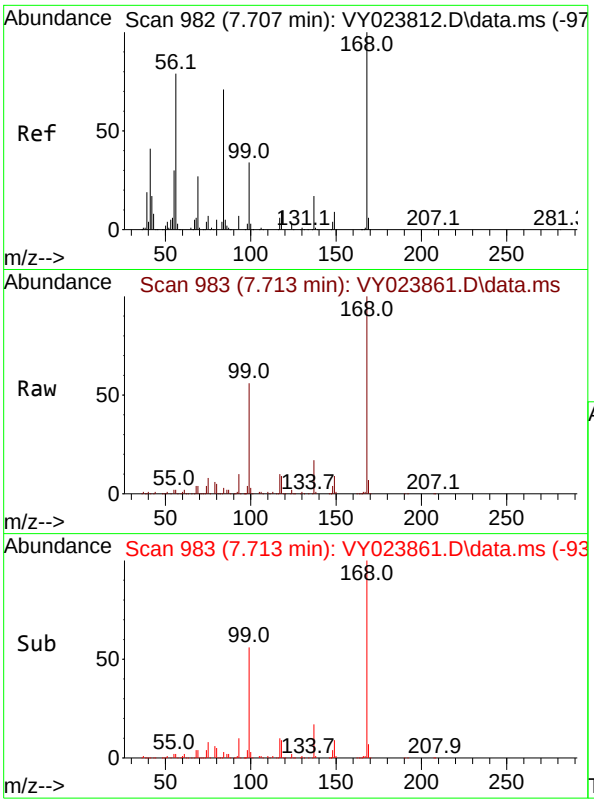
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Quant Time: Dec 03 01:05:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



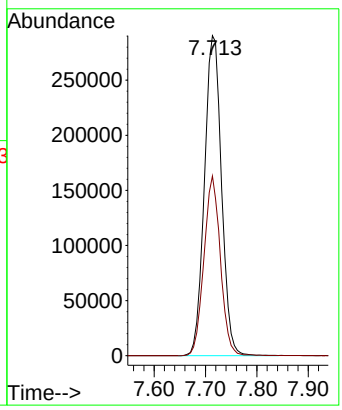


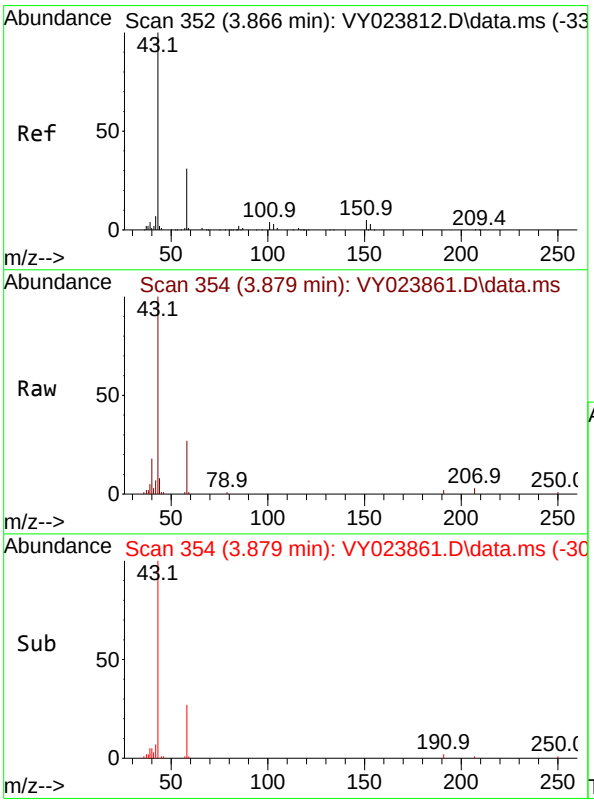
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Tgt Ion:168 Resp: 669833

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.0	66.0

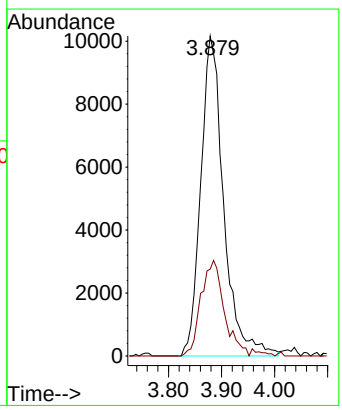


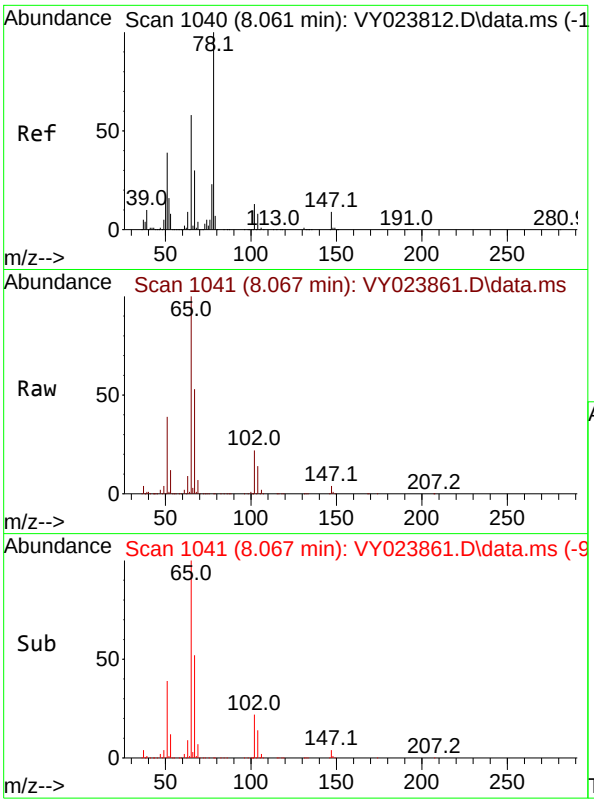


#16
Acetone
Concen: 16.208 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 43 Resp: 30462

Ion	Ratio	Lower	Upper
43	100		
58	27.1	25.4	38.2



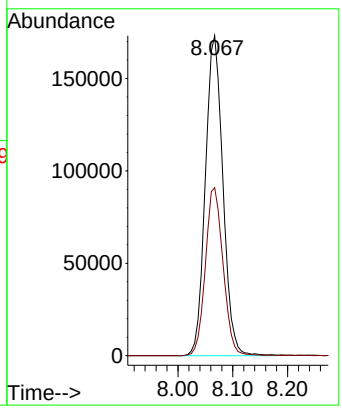


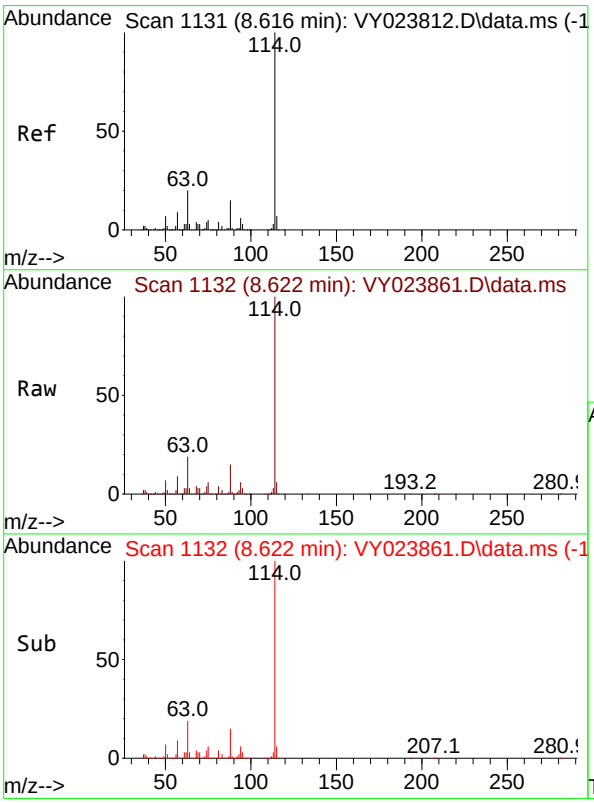
#33
1,2-Dichloroethane-d4
Concen: 58.910 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Tgt Ion: 65 Resp: 384278

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.4

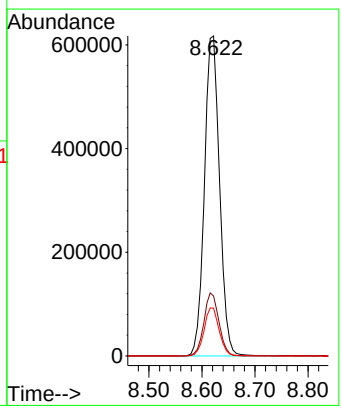


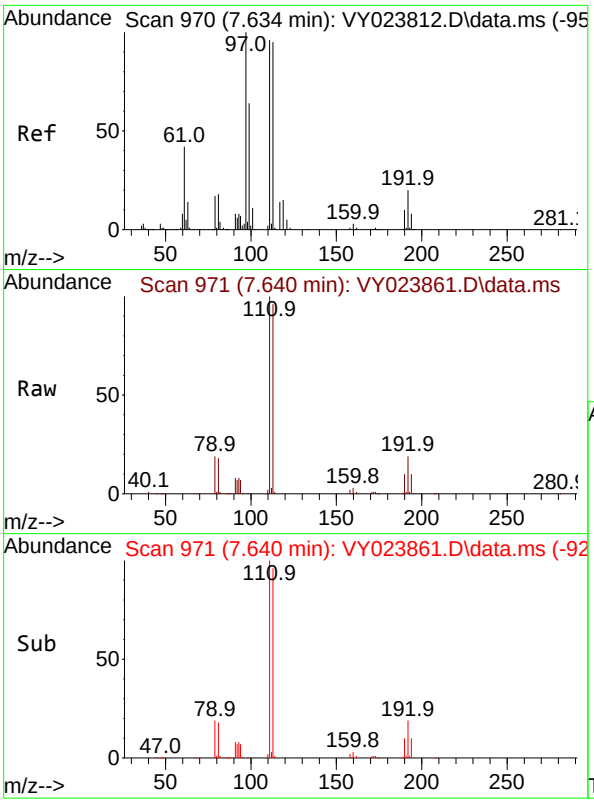


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion:114 Resp: 1222438

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.4
88	14.9	0.0	30.8



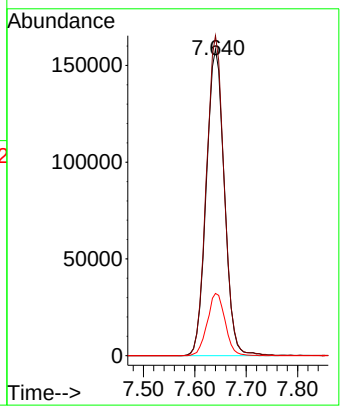


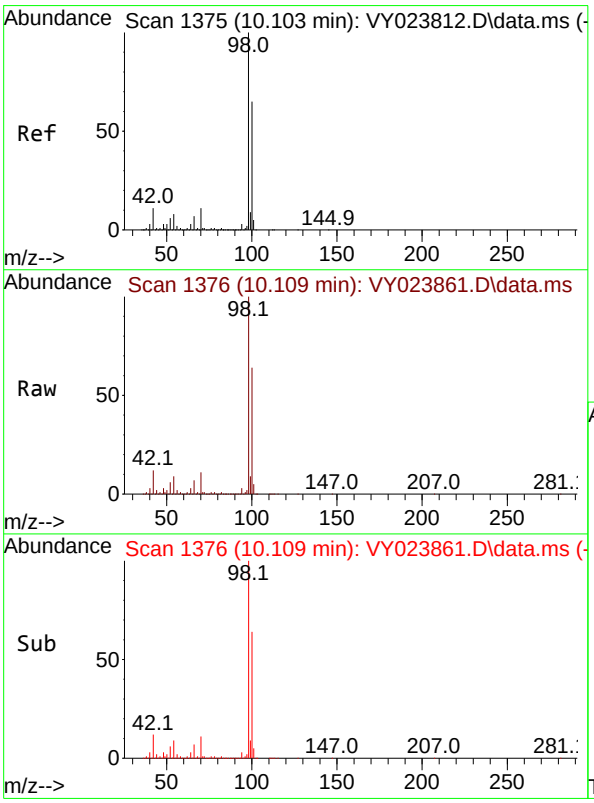
#35
Dibromofluoromethane
Concen: 53.327 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Tgt Ion:113 Resp: 386174

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	20.1	15.8	23.8

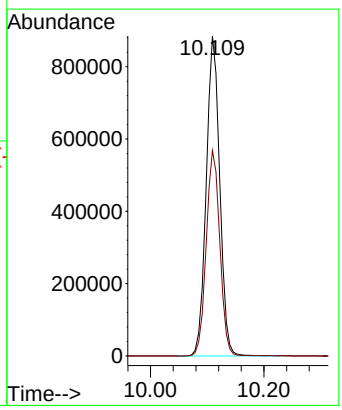


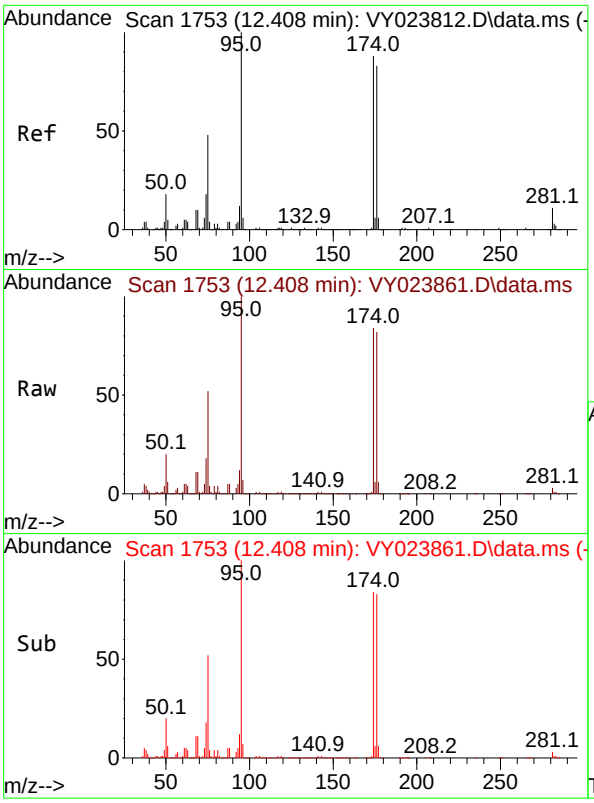


#50
Toluene-d8
Concen: 50.720 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 98 Resp: 1458895

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9



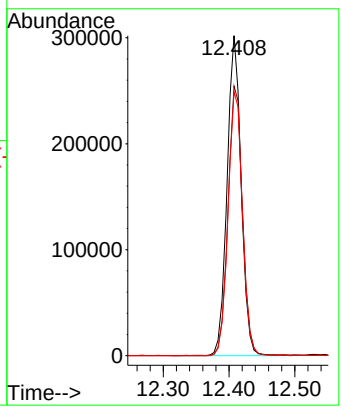


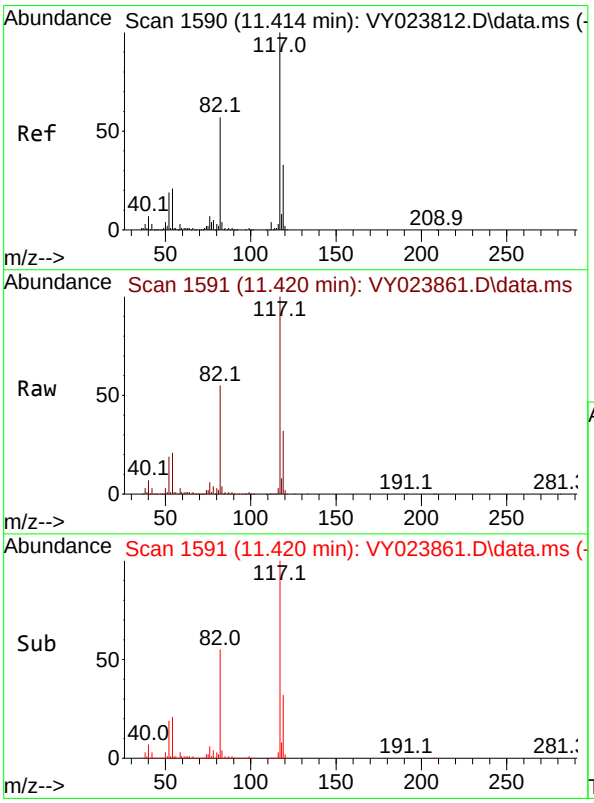
#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Tgt Ion: 95 Resp: 449272

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	168.6
176	84.2	0.0	164.6

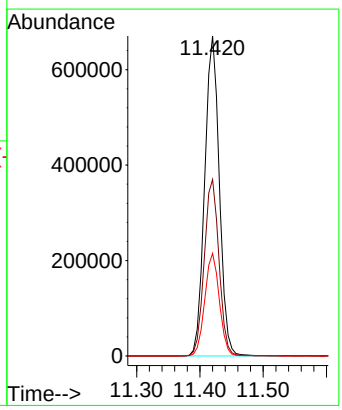


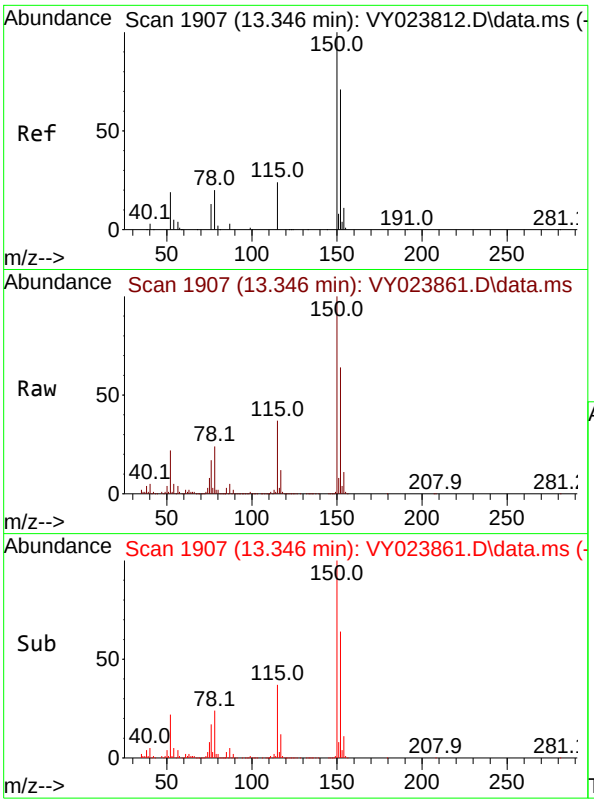


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion:117 Resp: 1079191

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	32.1	26.0	39.0



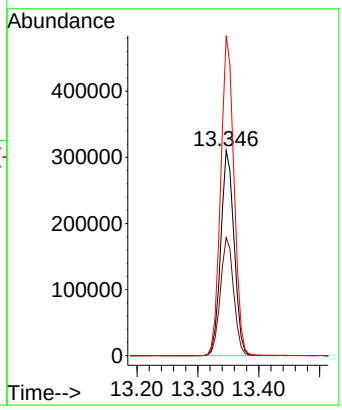


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Tgt Ion:152 Resp: 471581

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.7	86.3
150	155.4	0.0	345.6



Sample Results: **VY023861.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023861.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	344	354	366	rBV2	16396	52765	1.37%	0.262%
2	4.622	466	476	487	rBV2	15258	46912	1.22%	0.233%
3	6.896	838	849	862	rBV2	39388	130364	3.39%	0.648%
4	7.640	959	971	977	rBV	533789	1289764	33.57%	6.412%
5	7.713	977	983	996	rVB	853308	1933074	50.32%	9.610%
6	8.067	1028	1041	1060	rBV	499310	1179695	30.71%	5.865%
7	8.616	1121	1131	1147	rBV	1408447	2798585	72.85%	13.912%
8	10.109	1368	1376	1391	rBV	2302081	3841804	100.00%	19.099%
9	10.512	1436	1442	1453	rVB	66624	117454	3.06%	0.584%
10	10.877	1497	1502	1510	rBV2	50119	85645	2.23%	0.426%
11	11.420	1582	1591	1604	rBV	2035006	3318745	86.39%	16.498%
12	12.408	1746	1753	1763	rBV	1568126	2407873	62.68%	11.970%
13	12.743	1803	1808	1815	rBV6	19809	41706	1.09%	0.207%
14	13.206	1875	1884	1889	rBV2	17646	38589	1.00%	0.192%
15	13.346	1898	1907	1915	rBV	1860174	2832662	73.73%	14.082%

Sum of corrected areas: 20115637

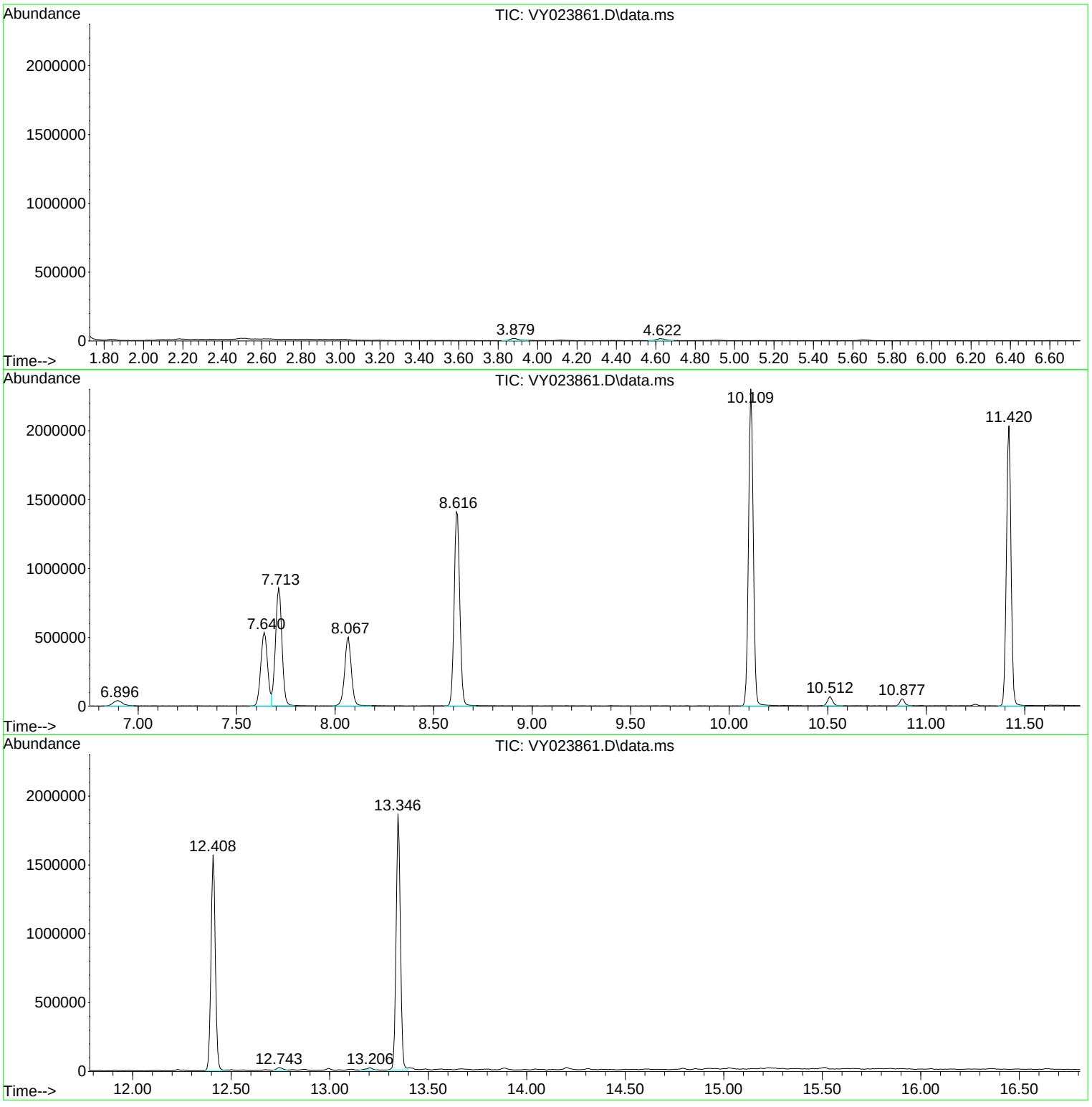
Sample Results: **VY023861.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023861.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023861.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3742-08
Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-20

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023893.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-22			SDG No.:	Q3742
Lab Sample ID:	Q3742-09			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	72.8
Sample Wt/Vol:	5.33 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.50	U	1	1.50	6.40	ug/Kg	12/04/25 14:43	VY120425
74-87-3	Chloromethane	1.50	U	1	1.50	6.40	ug/Kg	12/04/25 14:43	VY120425
75-01-4	Vinyl Chloride	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
74-83-9	Bromomethane	1.40	U	1	1.40	6.40	ug/Kg	12/04/25 14:43	VY120425
75-00-3	Chloroethane	1.60	U	1	1.60	6.40	ug/Kg	12/04/25 14:43	VY120425
75-69-4	Trichlorofluoromethane	1.60	U	1	1.60	6.40	ug/Kg	12/04/25 14:43	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1	1.40	6.40	ug/Kg	12/04/25 14:43	VY120425
75-35-4	1,1-Dichloroethene	1.30	U	1	1.30	6.40	ug/Kg	12/04/25 14:43	VY120425
67-64-1	Acetone	23.8	J	1	6.10	32.2	ug/Kg	12/04/25 14:43	VY120425
75-15-0	Carbon Disulfide	1.40	U	1	1.40	6.40	ug/Kg	12/04/25 14:43	VY120425
1634-04-4	Methyl tert-butyl Ether	0.94	U	1	0.94	6.40	ug/Kg	12/04/25 14:43	VY120425
79-20-9	Methyl Acetate	2.00	U	1	2.00	6.40	ug/Kg	12/04/25 14:43	VY120425
75-09-2	Methylene Chloride	4.50	U	1	4.50	12.9	ug/Kg	12/04/25 14:43	VY120425
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425
75-34-3	1,1-Dichloroethane	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
110-82-7	Cyclohexane	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
78-93-3	2-Butanone	8.40	U	1	8.40	32.2	ug/Kg	12/04/25 14:43	VY120425
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
156-59-2	cis-1,2-Dichloroethene	0.97	U	1	0.97	6.40	ug/Kg	12/04/25 14:43	VY120425
74-97-5	Bromochloromethane	1.50	U	1	1.50	6.40	ug/Kg	12/04/25 14:43	VY120425
67-66-3	Chloroform	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425
71-55-6	1,1,1-Trichloroethane	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
108-87-2	Methylcyclohexane	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
71-43-2	Benzene	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
107-06-2	1,2-Dichloroethane	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
79-01-6	Trichloroethene	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
78-87-5	1,2-Dichloropropane	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
75-27-4	Bromodichloromethane	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
108-10-1	4-Methyl-2-Pentanone	4.60	U	1	4.60	32.2	ug/Kg	12/04/25 14:43	VY120425
108-88-3	Toluene	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
10061-02-6	t-1,3-Dichloropropene	0.84	U	1	0.84	6.40	ug/Kg	12/04/25 14:43	VY120425
10061-01-5	cis-1,3-Dichloropropene	0.80	U	1	0.80	6.40	ug/Kg	12/04/25 14:43	VY120425
79-00-5	1,1,2-Trichloroethane	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
591-78-6	2-Hexanone	4.80	U	1	4.80	32.2	ug/Kg	12/04/25 14:43	VY120425
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425
127-18-4	Tetrachloroethene	1.40	U	1	1.40	6.40	ug/Kg	12/04/25 14:43	VY120425
108-90-7	Chlorobenzene	1.20	U	1	1.20	6.40	ug/Kg	12/04/25 14:43	VY120425
100-41-4	Ethyl Benzene	0.86	U	1	0.86	6.40	ug/Kg	12/04/25 14:43	VY120425
179601-23-1	m/p-Xylenes	1.60	U	1	1.60	12.9	ug/Kg	12/04/25 14:43	VY120425
95-47-6	o-Xylene	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425
100-42-5	Styrene	0.91	U	1	0.91	6.40	ug/Kg	12/04/25 14:43	VY120425
75-25-2	Bromoform	1.10	U	1	1.10	6.40	ug/Kg	12/04/25 14:43	VY120425

Raw Data: **VY023893.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-22			SDG No.:	Q3742
Lab Sample ID:	Q3742-09			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	72.8
Sample Wt/Vol:	5.33 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	1.00	6.40	ug/Kg	12/04/25 14:43	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	1.60	U	1	1.60	6.40	ug/Kg	12/04/25 14:43	VY120425
541-73-1	1,3-Dichlorobenzene	2.20	U	1	2.20	6.40	ug/Kg	12/04/25 14:43	VY120425
106-46-7	1,4-Dichlorobenzene	2.00	U	1	2.00	6.40	ug/Kg	12/04/25 14:43	VY120425
95-50-1	1,2-Dichlorobenzene	1.90	U	1	1.90	6.40	ug/Kg	12/04/25 14:43	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	1	2.40	6.40	ug/Kg	12/04/25 14:43	VY120425
120-82-1	1,2,4-Trichlorobenzene	3.80	U	1	3.80	6.40	ug/Kg	12/04/25 14:43	VY120425
87-61-6	1,2,3-Trichlorobenzene	4.10	U	1	4.10	6.40	ug/Kg	12/04/25 14:43	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.1			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.2			74 - 123	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.7			52 - 138	89%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	804000							
540-36-3	1,4-Difluorobenzene	1380000							
3114-55-4	Chlorobenzene-d5	1230000							
3855-82-1	1,4-Dichlorobenzene-d4	552000							
TENTATIVE IDENTIFIED COMPOUNDS									
000080-56-8	.alpha.-Pinene	26.3	J			12.3	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY023893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Quant Time: Dec 05 01:47:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	803856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1376820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1230434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	551526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	402804	50.091	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.180%			
35) Dibromofluoromethane	7.640	113	430165	48.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.420%			
50) Toluene-d8	10.109	98	1622450	47.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.420%			
62) 4-Bromofluorobenzene	12.408	95	523698	44.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.360%			
Target Compounds						Qvalue
16) Acetone	3.879	43	44522	18.477	ug/l	96

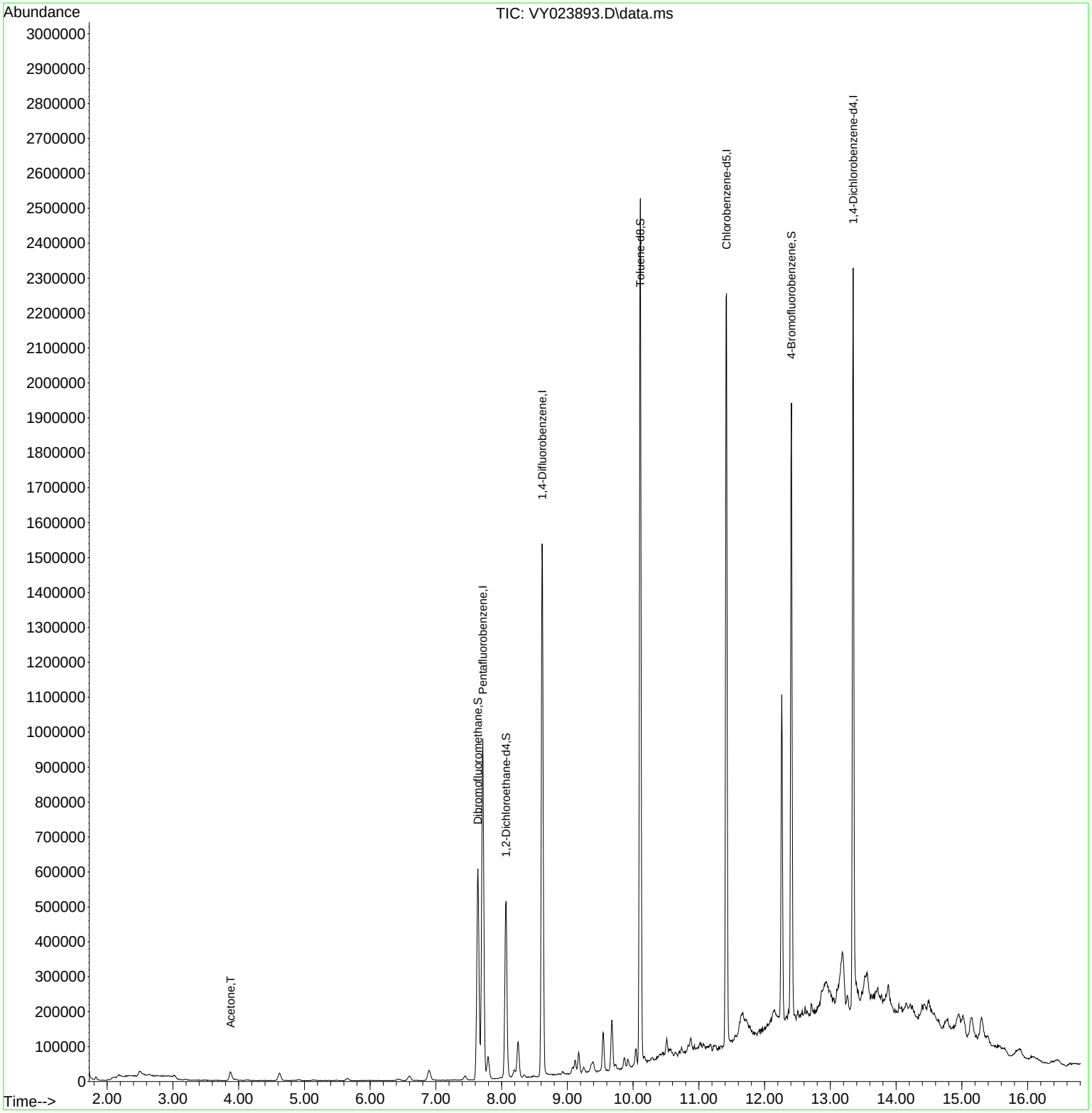
(#) = qualifier out of range (m) = manual integration (+) = signals summed

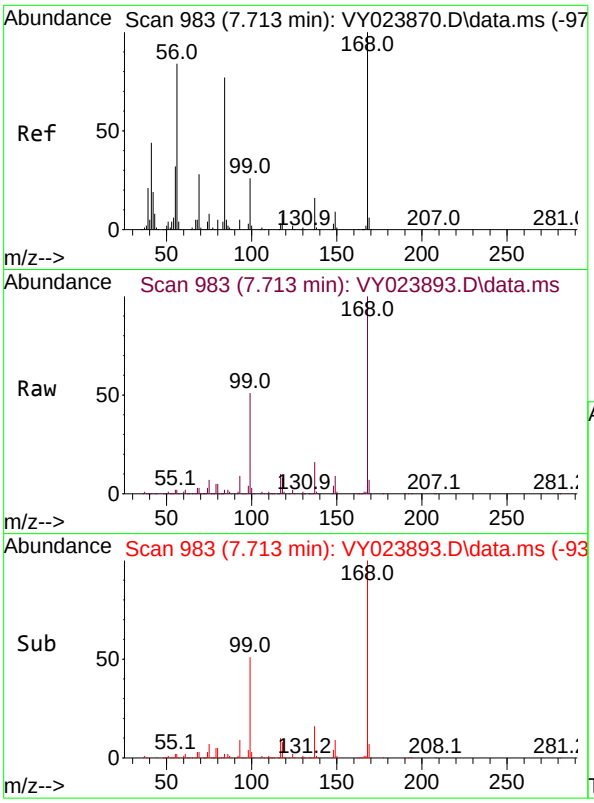
Sample Results: **VY023893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Quant Time: Dec 05 01:47:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



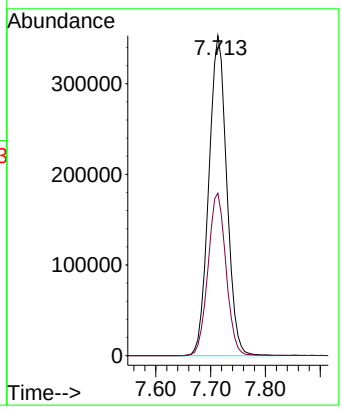


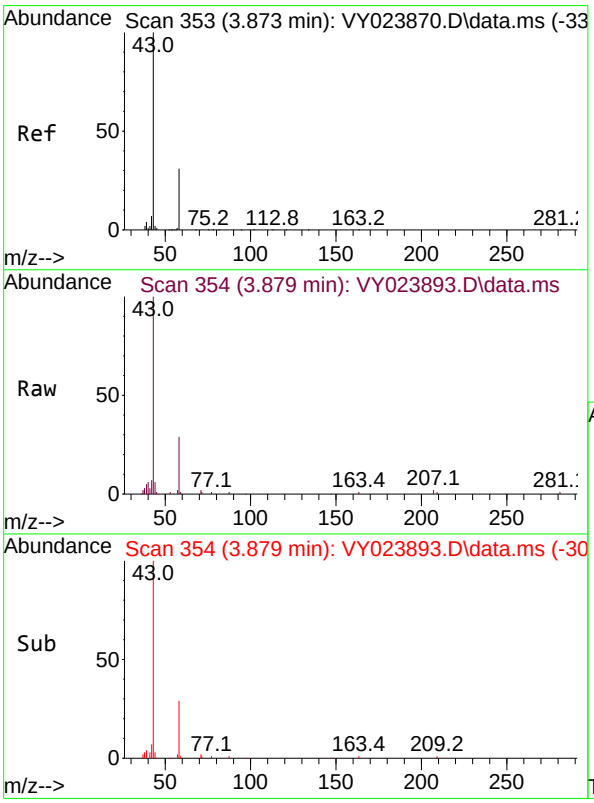
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Tgt Ion:168 Resp: 803856

Ion	Ratio	Lower	Upper
168	100		
99	50.8	42.5	63.7

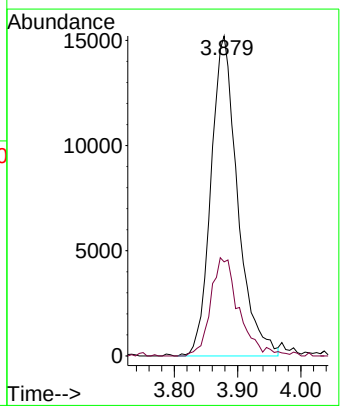


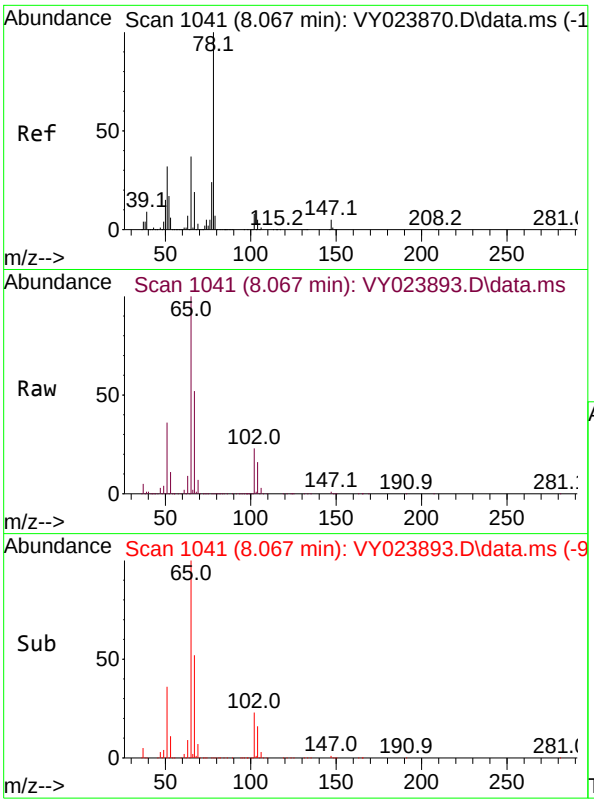


#16
Acetone
Concen: 18.477 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Tgt Ion: 43 Resp: 44522

Ion	Ratio	Lower	Upper
43	100		
58	29.4	25.1	37.7



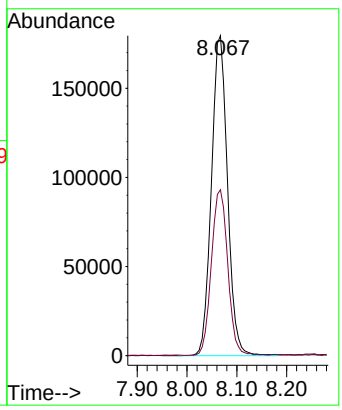


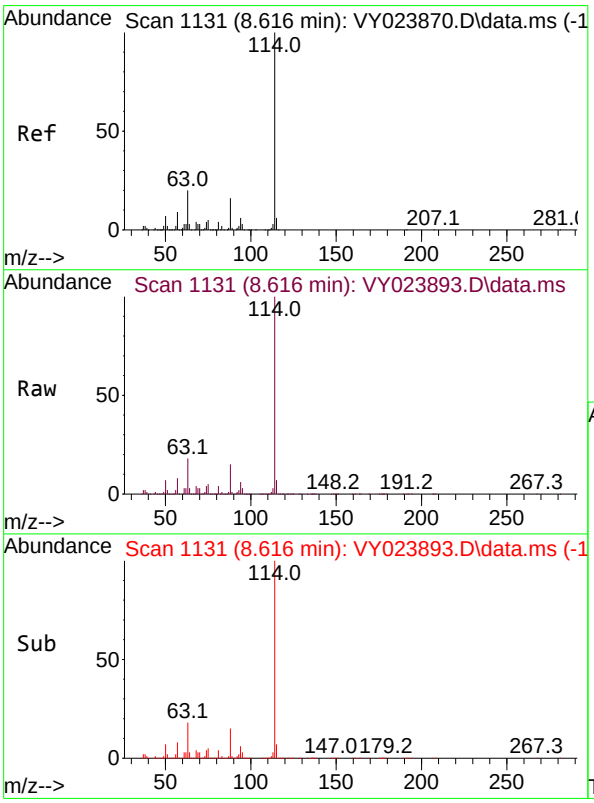
#33
1,2-Dichloroethane-d4
Concen: 50.091 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Tgt Ion: 65 Resp: 402804

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.2

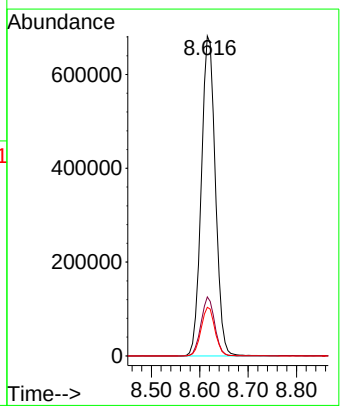


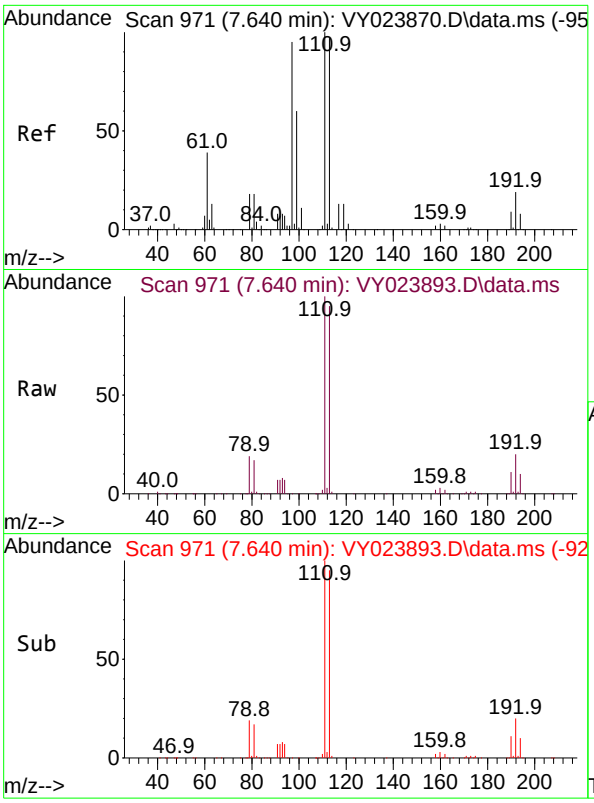


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Tgt Ion:114 Resp: 1376820

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.2
88	15.2	0.0	31.4



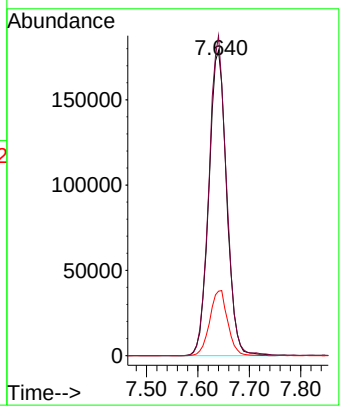


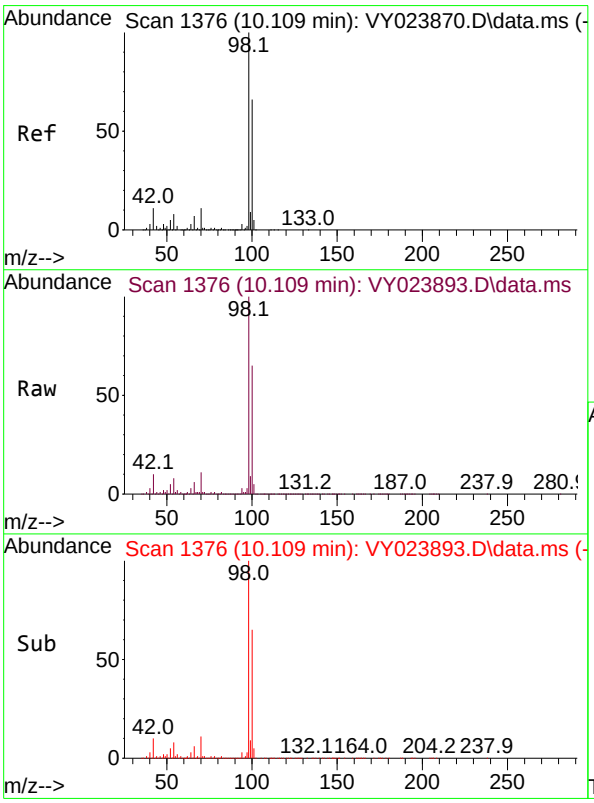
#35
Dibromofluoromethane
Concen: 48.713 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Tgt Ion:113 Resp: 430165

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	21.4	15.8	23.8

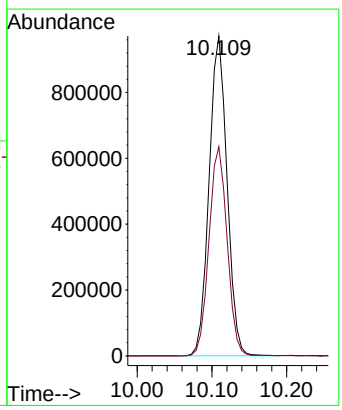


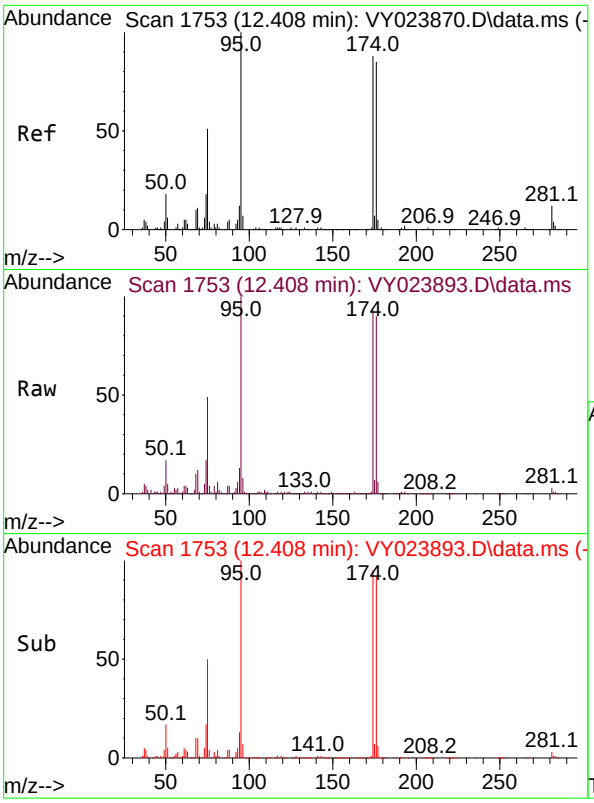


#50
Toluene-d8
Concen: 47.215 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Tgt Ion: 98 Resp: 1622450

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.5	78.7



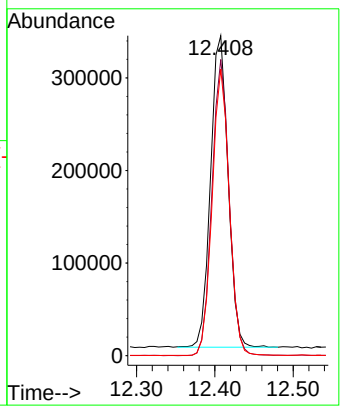


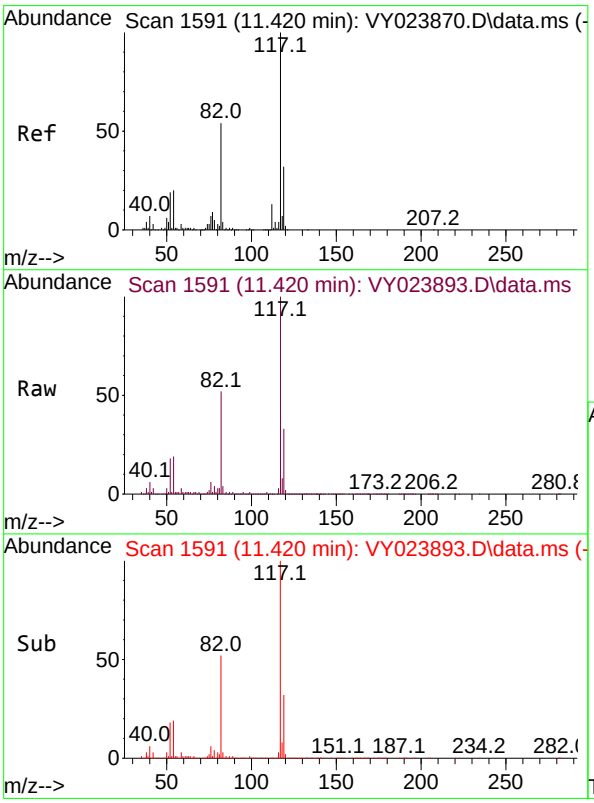
#62
4-Bromofluorobenzene
Concen: 44.682 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Tgt Ion: 95 Resp: 523698

Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	169.6
176	89.8	0.0	164.4

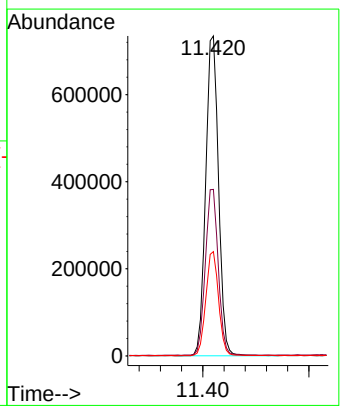


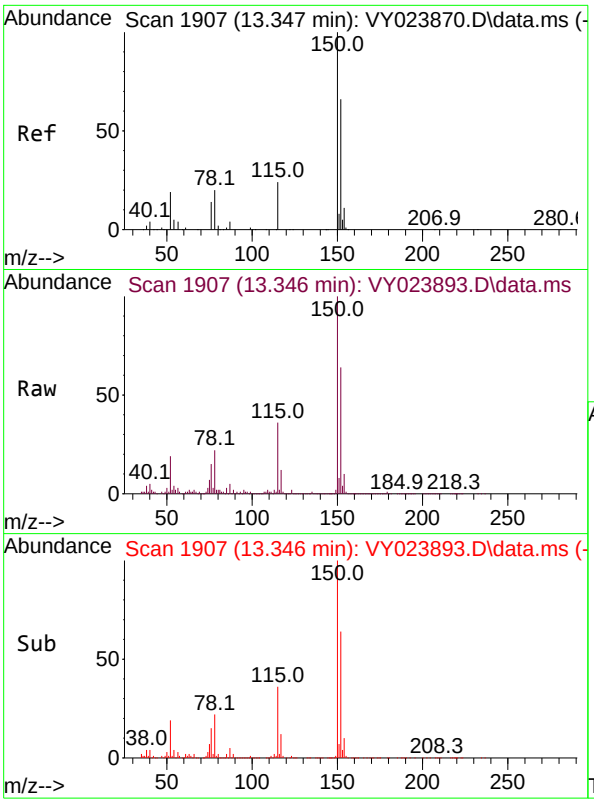


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Tgt Ion:117 Resp: 1230434

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.1	64.7
119	32.5	26.0	39.0



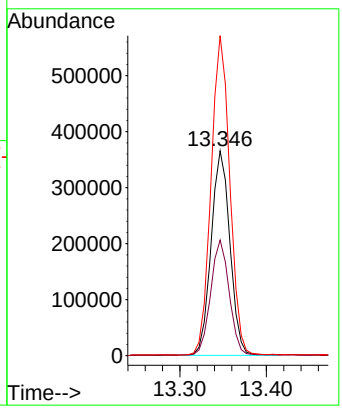


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023893.D
Acq: 04 Dec 2025 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Tgt Ion:152 Resp: 551526

Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.8	86.4
150	155.3	0.0	352.2



Sample Results: **VY023893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023893.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.501	118	128	135	rBV8	15459	56762	1.35%	0.226%
2	3.873	344	353	362	rBV	24479	68985	1.64%	0.275%
3	4.622	464	476	486	rBV5	21603	67095	1.59%	0.267%
4	6.896	840	849	863	rBV3	28588	94031	2.23%	0.374%
5	7.640	960	971	977	rBV2	604172	1454595	34.57%	5.788%
6	7.713	977	983	991	rVV	975981	2207490	52.47%	8.784%
7	7.793	991	996	1008	rVB2	63538	162717	3.87%	0.647%
8	8.067	1030	1041	1052	rBV	506132	1162462	27.63%	4.626%
9	8.189	1054	1061	1064	rVV3	22041	49210	1.17%	0.196%
10	8.250	1065	1071	1081	rVB	100905	244465	5.81%	0.973%
11	8.616	1120	1131	1142	rBV	1526697	3062347	72.79%	12.186%
12	9.115	1210	1213	1217	rVV	37539	66821	1.59%	0.266%
13	9.170	1218	1222	1229	rVB2	59347	112784	2.68%	0.449%
14	9.390	1248	1258	1268	rVB7	29348	103233	2.45%	0.411%
15	9.542	1277	1283	1291	rVB2	108343	213510	5.07%	0.850%
16	9.676	1298	1305	1311	rBV	144468	298828	7.10%	1.189%
17	9.865	1332	1336	1341	rBV3	27414	49611	1.18%	0.197%
18	10.042	1360	1365	1369	rBV2	43860	72098	1.71%	0.287%
19	10.109	1369	1376	1384	rBV	2475695	4207339	100.00%	16.742%
20	10.512	1437	1442	1446	rBV	47096	84777	2.01%	0.337%
21	11.420	1584	1591	1598	rBV	2157016	3650592	86.77%	14.526%
22	12.261	1723	1729	1737	rVB	931417	1492420	35.47%	5.939%
23	12.408	1747	1753	1760	rVB	1752960	2744527	65.23%	10.921%
24	12.706	1800	1802	1807	rBV2	32766	50223	1.19%	0.200%
25	13.346	1901	1907	1918	rBV	2116122	3353697	79.71%	13.345%

Sum of corrected areas: 25130619

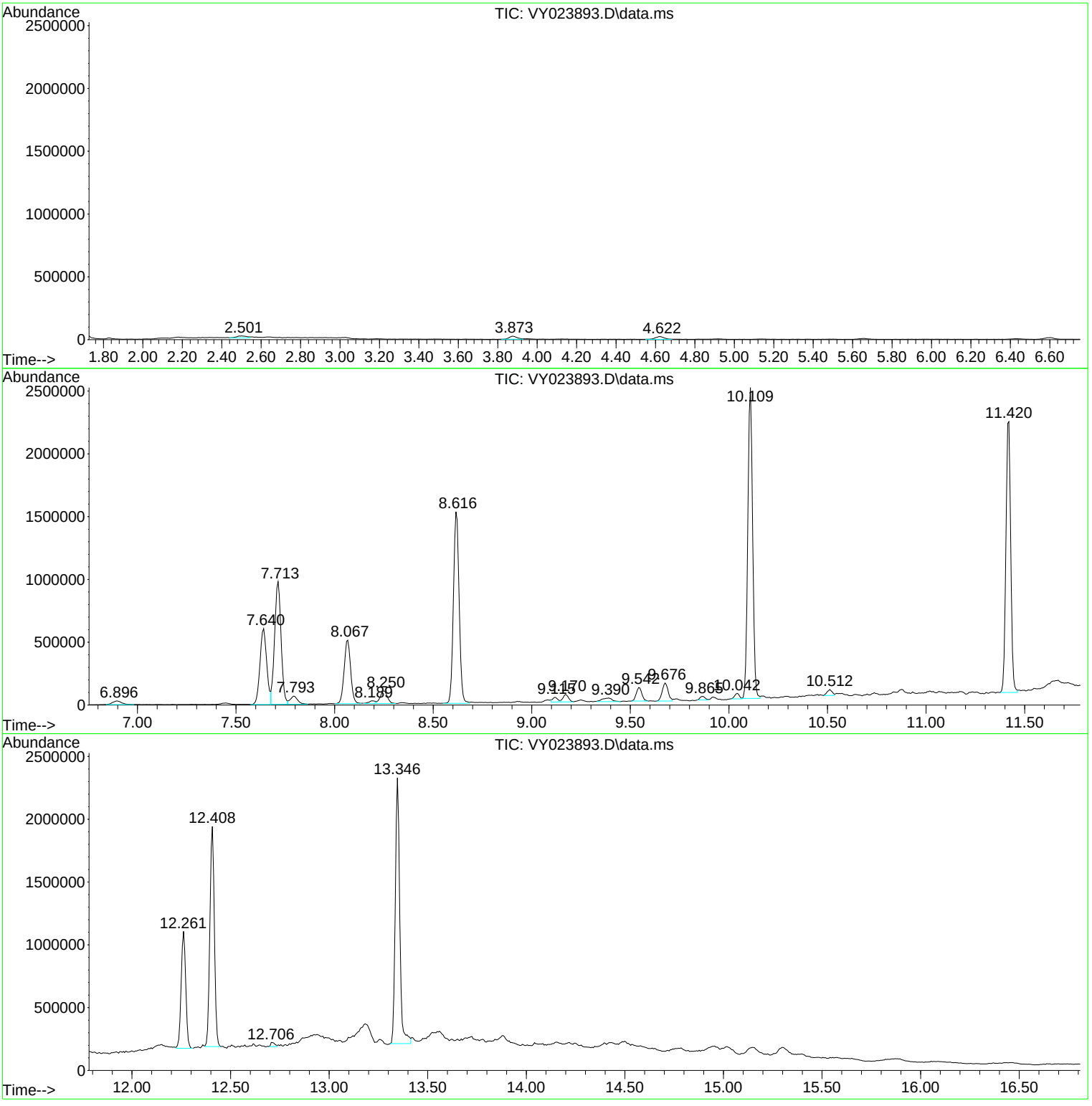
Sample Results: **VY023893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

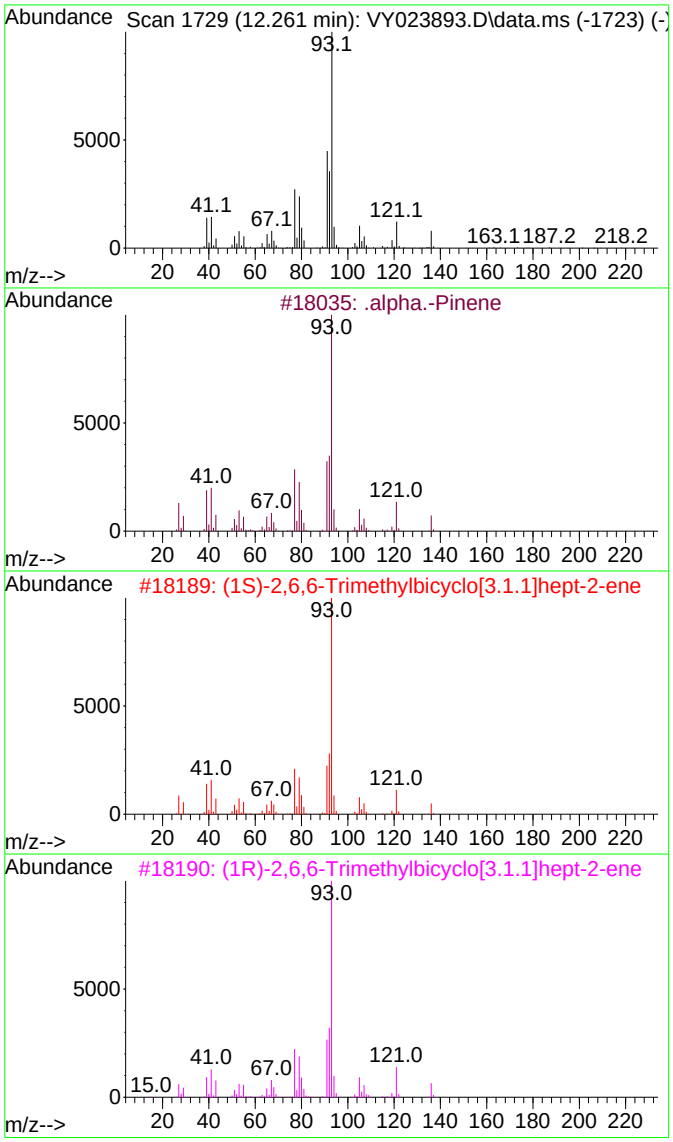
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

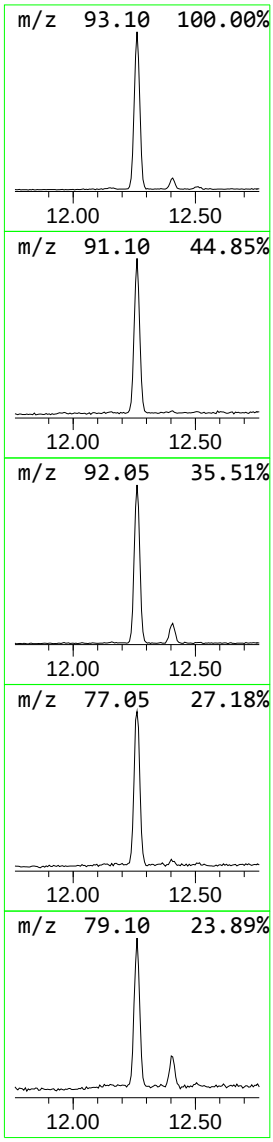
****

Peak Number 1 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	20.44 ug/l	1492420	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(+)-3-Carene	136	C10H16	000498-15-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023893.D
Acq On : 04 Dec 2025 14:43
Operator : SY/MD
Sample : Q3742-09
Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-22

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	12.261	20.4	ug/l	1492420	3	11.420	3650590	50.0

Raw Data: **VY023895.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-2			SDG No.:	Q3742
Lab Sample ID:	Q3742-10			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	76.4
Sample Wt/Vol:	4.87 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.50	U	1	1.50	6.70	ug/Kg	12/04/25 15:29	VY120425
74-87-3	Chloromethane	1.50	U	1	1.50	6.70	ug/Kg	12/04/25 15:29	VY120425
75-01-4	Vinyl Chloride	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
74-83-9	Bromomethane	1.40	U	1	1.40	6.70	ug/Kg	12/04/25 15:29	VY120425
75-00-3	Chloroethane	1.70	U	1	1.70	6.70	ug/Kg	12/04/25 15:29	VY120425
75-69-4	Trichlorofluoromethane	1.60	U	1	1.60	6.70	ug/Kg	12/04/25 15:29	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1	1.40	6.70	ug/Kg	12/04/25 15:29	VY120425
75-35-4	1,1-Dichloroethene	1.30	U	1	1.30	6.70	ug/Kg	12/04/25 15:29	VY120425
67-64-1	Acetone	33.0	J	1	6.40	33.6	ug/Kg	12/04/25 15:29	VY120425
75-15-0	Carbon Disulfide	1.40	U	1	1.40	6.70	ug/Kg	12/04/25 15:29	VY120425
1634-04-4	Methyl tert-butyl Ether	0.98	U	1	0.98	6.70	ug/Kg	12/04/25 15:29	VY120425
79-20-9	Methyl Acetate	2.10	U	1	2.10	6.70	ug/Kg	12/04/25 15:29	VY120425
75-09-2	Methylene Chloride	4.70	U	1	4.70	13.4	ug/Kg	12/04/25 15:29	VY120425
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
110-82-7	Cyclohexane	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
78-93-3	2-Butanone	8.80	U	1	8.80	33.6	ug/Kg	12/04/25 15:29	VY120425
56-23-5	Carbon Tetrachloride	1.30	U	1	1.30	6.70	ug/Kg	12/04/25 15:29	VY120425
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	1.00	6.70	ug/Kg	12/04/25 15:29	VY120425
74-97-5	Bromochloromethane	1.50	U	1	1.50	6.70	ug/Kg	12/04/25 15:29	VY120425
67-66-3	Chloroform	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
71-55-6	1,1,1-Trichloroethane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
108-87-2	Methylcyclohexane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
71-43-2	Benzene	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
79-01-6	Trichloroethene	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
78-87-5	1,2-Dichloropropane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
75-27-4	Bromodichloromethane	1.00	U	1	1.00	6.70	ug/Kg	12/04/25 15:29	VY120425
108-10-1	4-Methyl-2-Pentanone	4.80	U	1	4.80	33.6	ug/Kg	12/04/25 15:29	VY120425
108-88-3	Toluene	1.00	U	1	1.00	6.70	ug/Kg	12/04/25 15:29	VY120425
10061-02-6	t-1,3-Dichloropropene	0.87	U	1	0.87	6.70	ug/Kg	12/04/25 15:29	VY120425
10061-01-5	cis-1,3-Dichloropropene	0.83	U	1	0.83	6.70	ug/Kg	12/04/25 15:29	VY120425
79-00-5	1,1,2-Trichloroethane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
591-78-6	2-Hexanone	5.00	U	1	5.00	33.6	ug/Kg	12/04/25 15:29	VY120425
124-48-1	Dibromochloromethane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
106-93-4	1,2-Dibromoethane	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
127-18-4	Tetrachloroethene	1.40	U	1	1.40	6.70	ug/Kg	12/04/25 15:29	VY120425
108-90-7	Chlorobenzene	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425
100-41-4	Ethyl Benzene	0.90	U	1	0.90	6.70	ug/Kg	12/04/25 15:29	VY120425
179601-23-1	m/p-Xylenes	1.70	U	1	1.70	13.4	ug/Kg	12/04/25 15:29	VY120425
95-47-6	o-Xylene	1.10	U	1	1.10	6.70	ug/Kg	12/04/25 15:29	VY120425
100-42-5	Styrene	0.95	U	1	0.95	6.70	ug/Kg	12/04/25 15:29	VY120425
75-25-2	Bromoform	1.20	U	1	1.20	6.70	ug/Kg	12/04/25 15:29	VY120425

Raw Data: **VY023895.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-2			SDG No.:	Q3742
Lab Sample ID:	Q3742-10			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	76.4
Sample Wt/Vol:	4.87 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	1.00	6.70	ug/Kg	12/04/25 15:29	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	1.60	U	1	1.60	6.70	ug/Kg	12/04/25 15:29	VY120425
541-73-1	1,3-Dichlorobenzene	2.30	U	1	2.30	6.70	ug/Kg	12/04/25 15:29	VY120425
106-46-7	1,4-Dichlorobenzene	2.10	U	1	2.10	6.70	ug/Kg	12/04/25 15:29	VY120425
95-50-1	1,2-Dichlorobenzene	1.90	U	1	1.90	6.70	ug/Kg	12/04/25 15:29	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	1	2.50	6.70	ug/Kg	12/04/25 15:29	VY120425
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	4.00	6.70	ug/Kg	12/04/25 15:29	VY120425
87-61-6	1,2,3-Trichlorobenzene	4.30	U	1	4.30	6.70	ug/Kg	12/04/25 15:29	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.1			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	45.4			74 - 123	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.1			52 - 138	82%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	805000							
540-36-3	1,4-Difluorobenzene	1360000							
3114-55-4	Chlorobenzene-d5	1170000							
3855-82-1	1,4-Dichlorobenzene-d4	505000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Quant Time: Dec 05 01:48:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

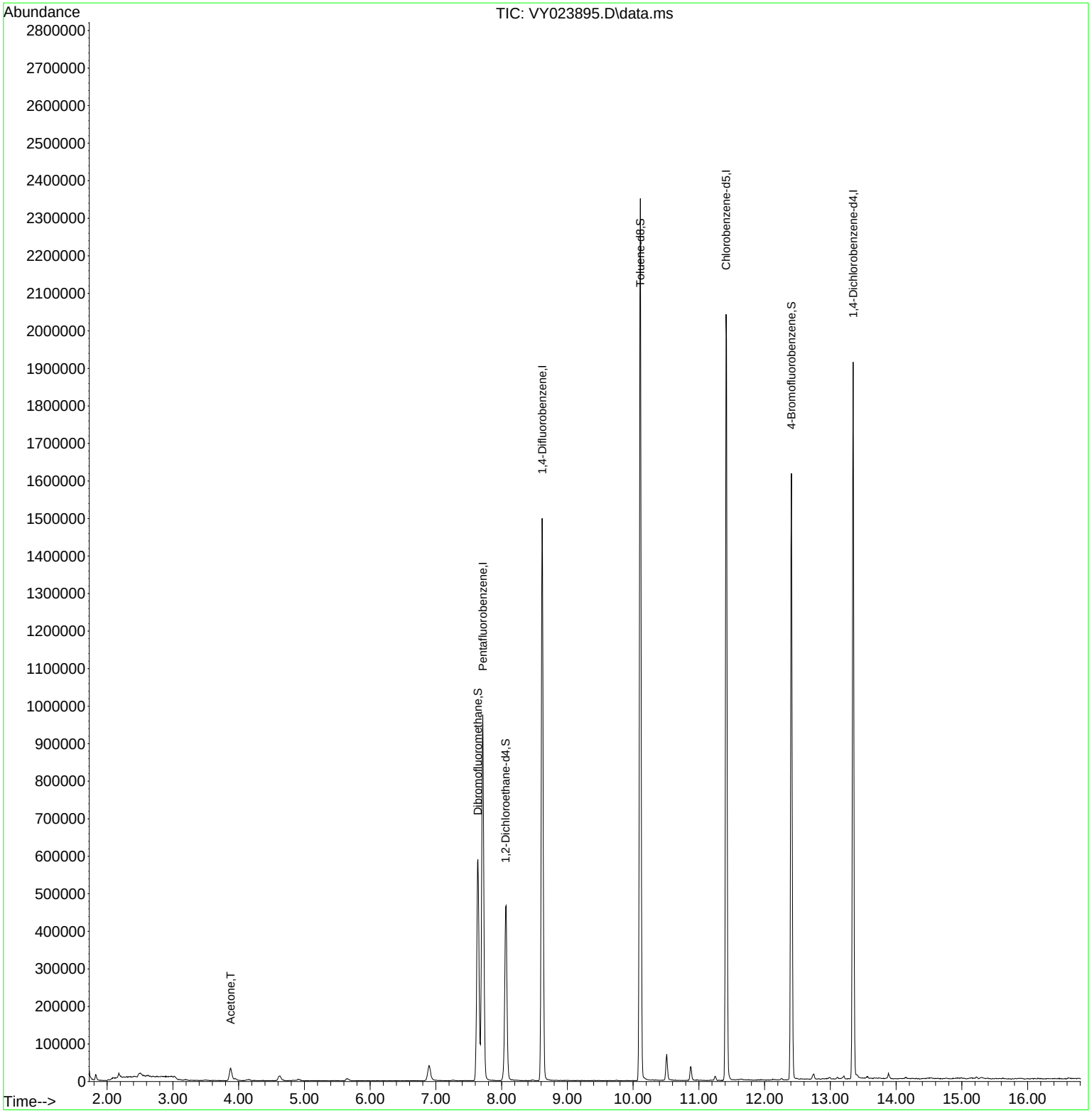
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	804667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1357896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1169651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	504866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	370919	46.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.160%		
35) Dibromofluoromethane	7.640	113	424473	48.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.109	98	1537439	45.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.720%		
62) 4-Bromofluorobenzene	12.408	95	475017	41.093	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.180%		
Target Compounds						Qvalue
16) Acetone	3.879	43	59243	24.561	ug/l	95

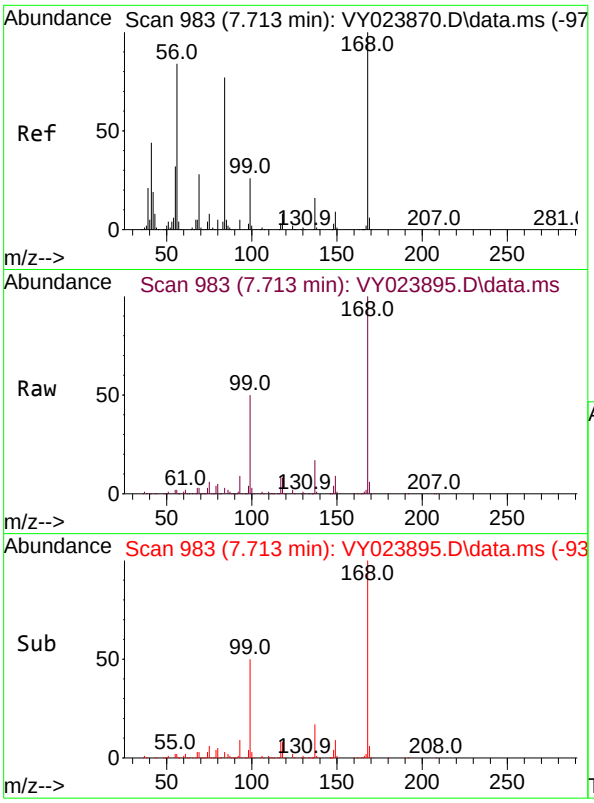
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Quant Time: Dec 05 01:48:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



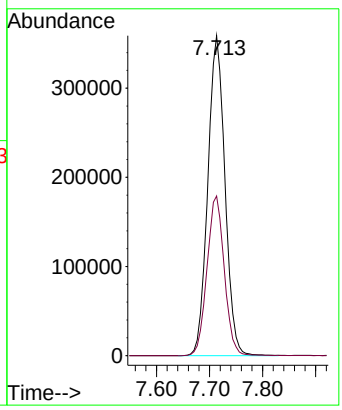


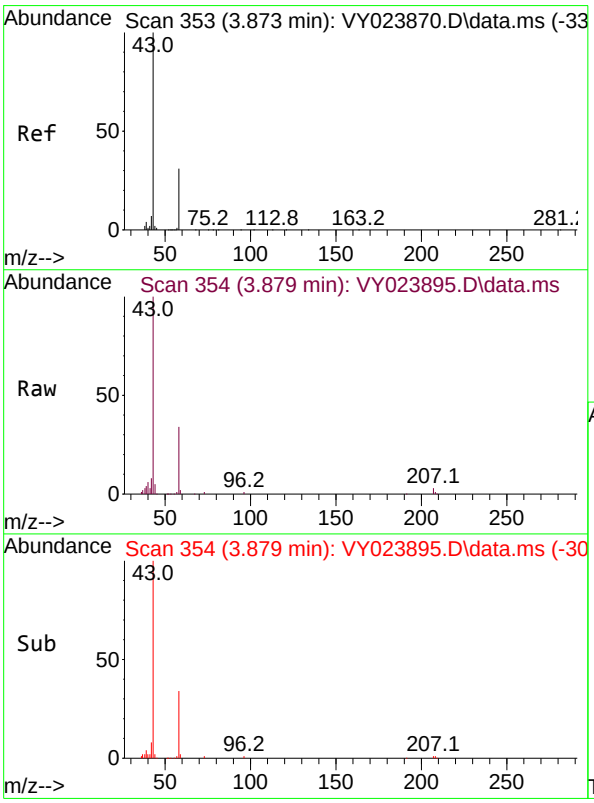
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion:168 Resp: 804667

Ion	Ratio	Lower	Upper
168	100		
99	49.9	42.5	63.7

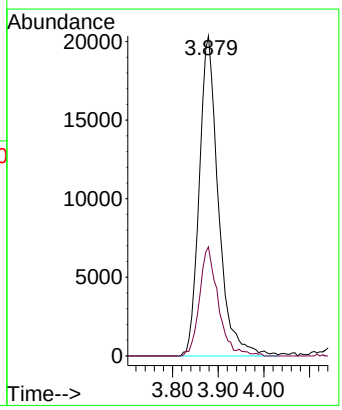


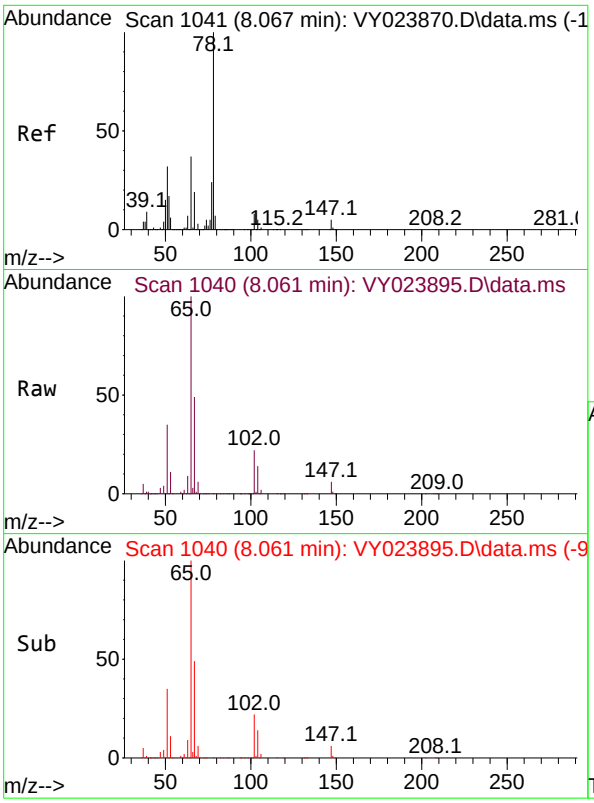


#16
Acetone
Concen: 24.561 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 43 Resp: 59243

Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.1	37.7



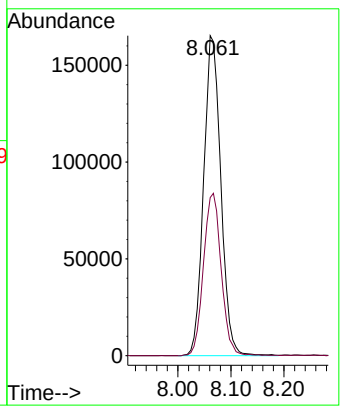


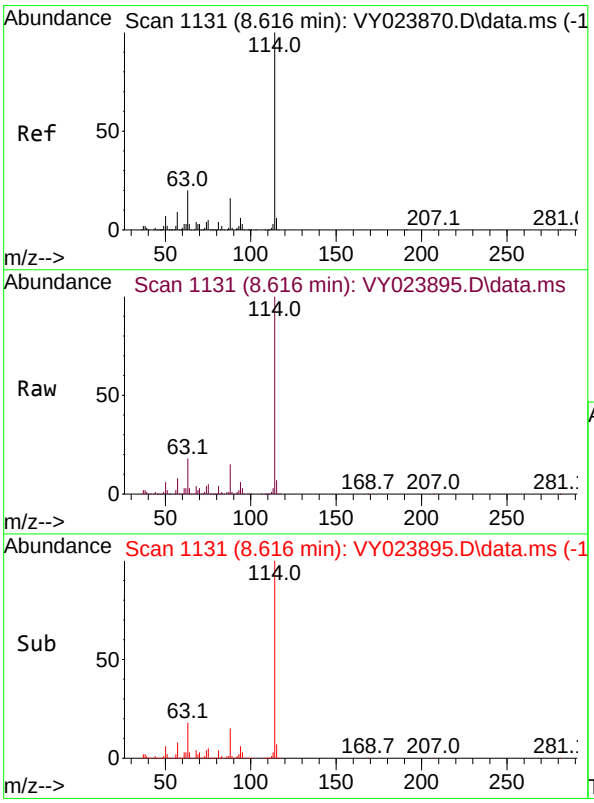
#33
1,2-Dichloroethane-d4
Concen: 46.079 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion: 65 Resp: 370919

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	107.2

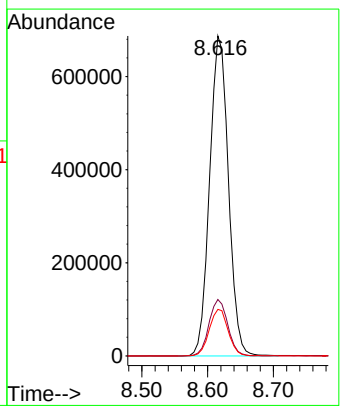


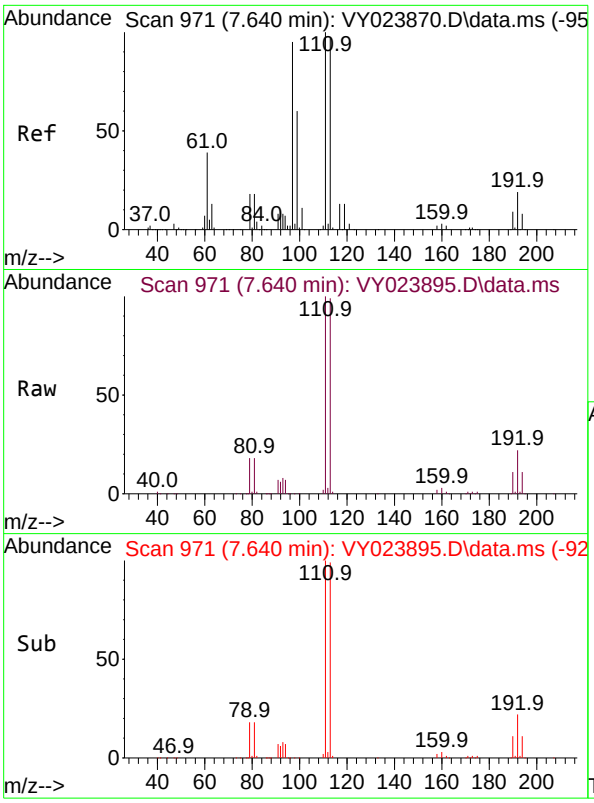


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion:114 Resp: 1357896

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	39.2
88	14.5	0.0	31.4



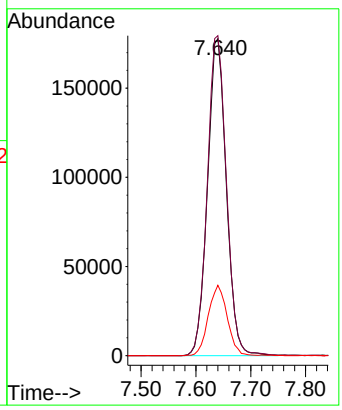


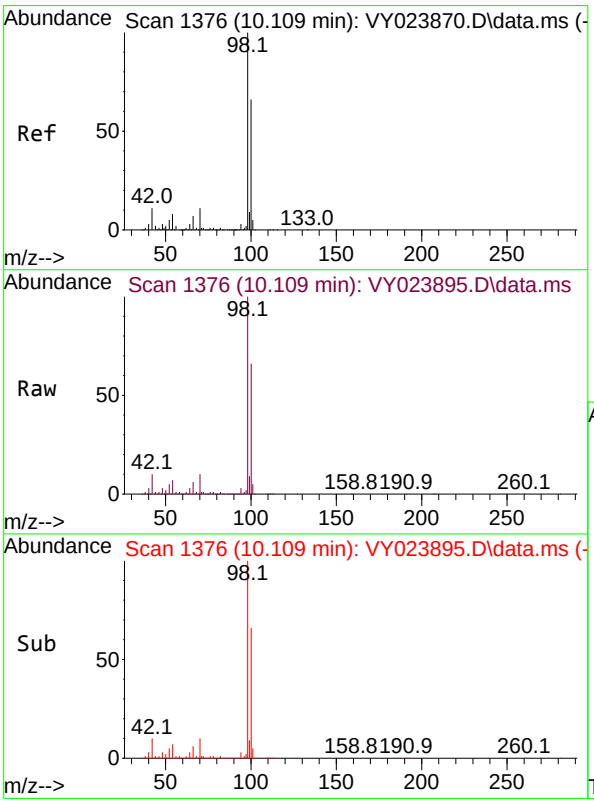
#35
Dibromofluoromethane
Concen: 48.739 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion:113 Resp: 424473

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	22.3	15.8	23.8

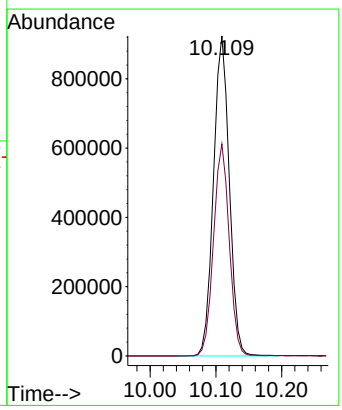


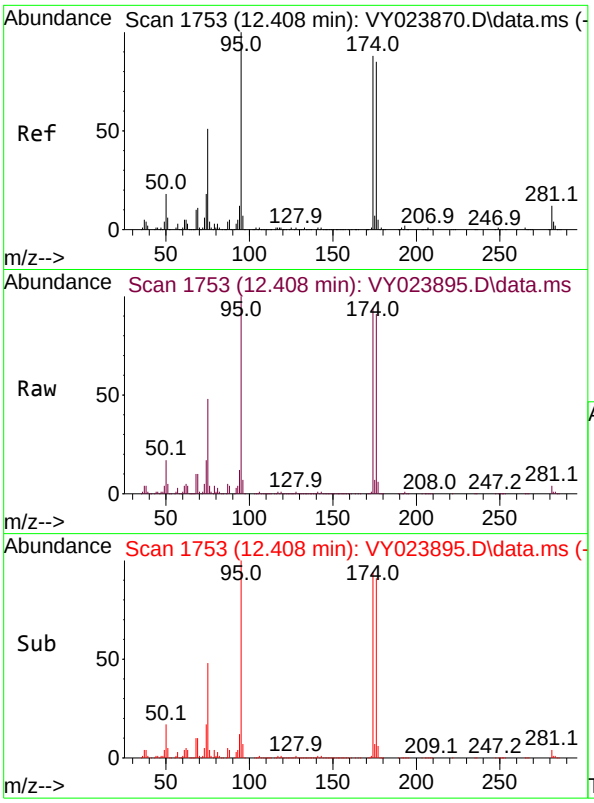


#50
Toluene-d8
Concen: 45.364 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 98 Resp: 1537439

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.5	78.7



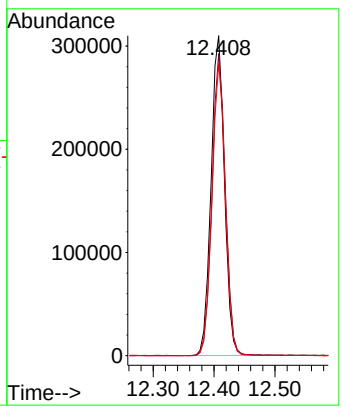


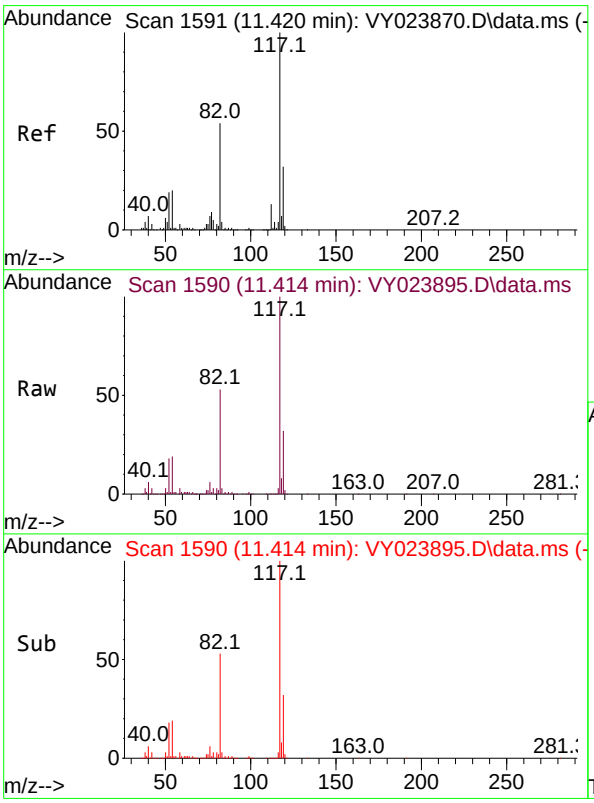
#62
4-Bromofluorobenzene
Concen: 41.093 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion: 95 Resp: 475017

Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	169.6
176	90.9	0.0	164.4

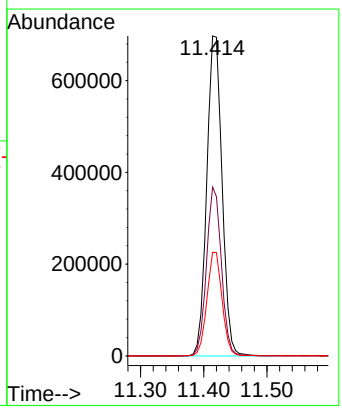


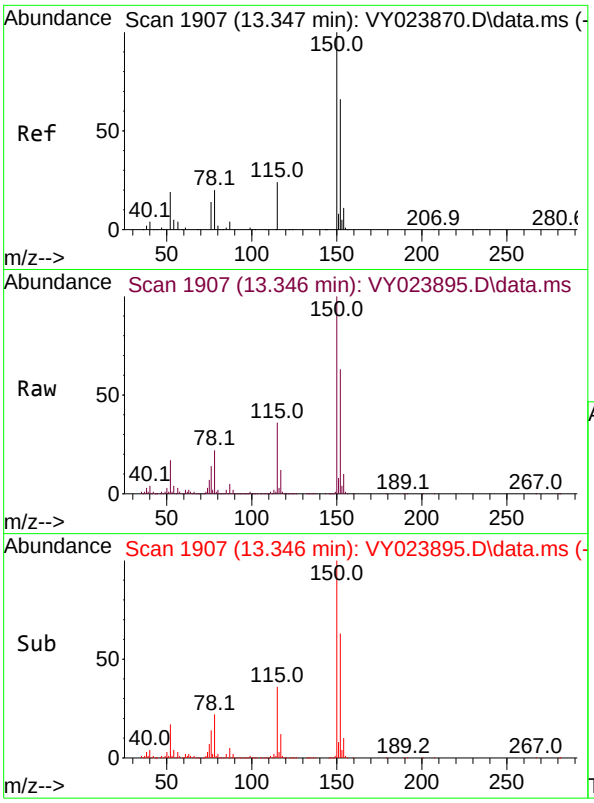


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion:117 Resp: 1169651

Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.1	64.7
119	32.4	26.0	39.0



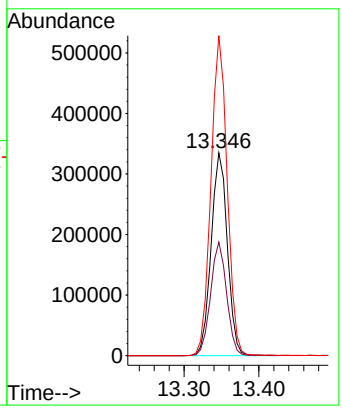


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion:152 Resp: 504866

Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.8	86.4
150	157.2	0.0	352.2



Sample Results: **VY023895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	343	354	362	rBV	33448	92539	2.34%	0.442%
2	4.622	466	476	489	rBV3	12935	45405	1.15%	0.217%
3	6.896	836	849	864	rBV2	40367	132638	3.35%	0.634%
4	7.640	960	971	977	rBV	589333	1436286	36.31%	6.866%
5	7.713	977	983	999	rVB	973632	2184442	55.23%	10.442%
6	8.067	1027	1041	1054	rBV	466207	1121046	28.34%	5.359%
7	8.616	1122	1131	1147	rBV	1498366	2965185	74.97%	14.175%
8	10.109	1368	1376	1392	rBV	2350091	3955158	100.00%	18.907%
9	10.512	1434	1442	1452	rBV	69113	123433	3.12%	0.590%
10	10.877	1495	1502	1510	rBV2	36971	68372	1.73%	0.327%
11	11.414	1581	1590	1603	rBV	2041721	3392663	85.78%	16.218%
12	12.408	1742	1753	1763	rBV	1615852	2543687	64.31%	12.160%
13	13.346	1900	1907	1914	rBV	1909422	2857921	72.26%	13.662%

Sum of corrected areas: 20918775

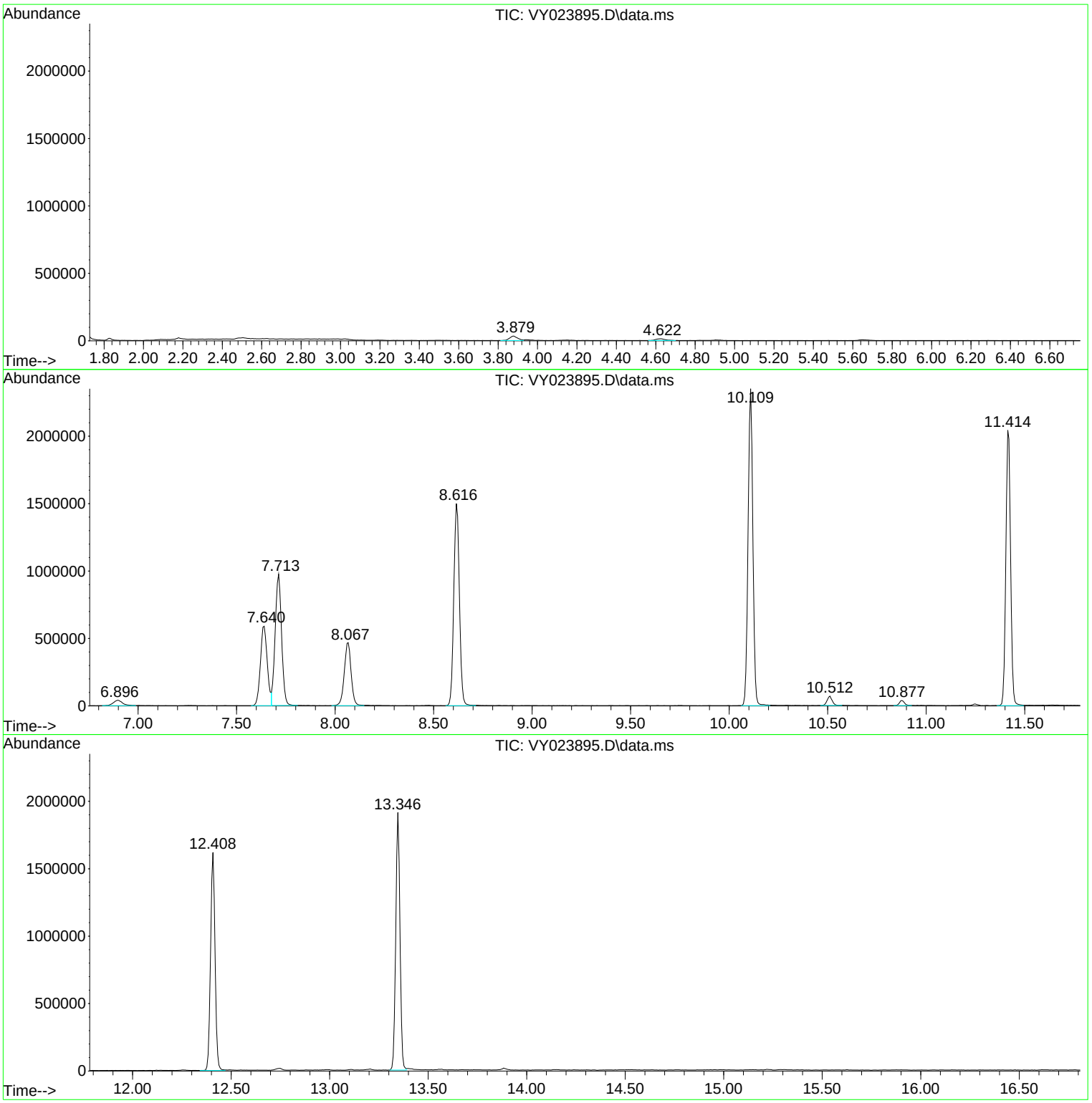
Sample Results: **VY023895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023895.D
Acq On : 04 Dec 2025 15:29
Operator : SY/MD
Sample : Q3742-10
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023888.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-1			SDG No.:	Q3742
Lab Sample ID:	Q3742-16			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	73.5
Sample Wt/Vol:	4.78 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60	U	1	1.60	7.10	ug/Kg	12/04/25 12:45	VY120425
74-87-3	Chloromethane	1.60	U	1	1.60	7.10	ug/Kg	12/04/25 12:45	VY120425
75-01-4	Vinyl Chloride	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
74-83-9	Bromomethane	1.50	U	1	1.50	7.10	ug/Kg	12/04/25 12:45	VY120425
75-00-3	Chloroethane	1.80	U	1	1.80	7.10	ug/Kg	12/04/25 12:45	VY120425
75-69-4	Trichlorofluoromethane	1.70	U	1	1.70	7.10	ug/Kg	12/04/25 12:45	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1	1.50	7.10	ug/Kg	12/04/25 12:45	VY120425
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	7.10	ug/Kg	12/04/25 12:45	VY120425
67-64-1	Acetone	22.1	J	1	6.70	35.6	ug/Kg	12/04/25 12:45	VY120425
75-15-0	Carbon Disulfide	1.50	U	1	1.50	7.10	ug/Kg	12/04/25 12:45	VY120425
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	1.00	7.10	ug/Kg	12/04/25 12:45	VY120425
79-20-9	Methyl Acetate	2.20	U	1	2.20	7.10	ug/Kg	12/04/25 12:45	VY120425
75-09-2	Methylene Chloride	5.00	U	1	5.00	14.2	ug/Kg	12/04/25 12:45	VY120425
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
110-82-7	Cyclohexane	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
78-93-3	2-Butanone	9.30	U	1	9.30	35.6	ug/Kg	12/04/25 12:45	VY120425
56-23-5	Carbon Tetrachloride	1.40	U	1	1.40	7.10	ug/Kg	12/04/25 12:45	VY120425
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
74-97-5	Bromochloromethane	1.60	U	1	1.60	7.10	ug/Kg	12/04/25 12:45	VY120425
67-66-3	Chloroform	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
108-87-2	Methylcyclohexane	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
71-43-2	Benzene	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
79-01-6	Trichloroethene	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
75-27-4	Bromodichloromethane	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
108-10-1	4-Methyl-2-Pentanone	5.10	U	1	5.10	35.6	ug/Kg	12/04/25 12:45	VY120425
108-88-3	Toluene	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
10061-02-6	t-1,3-Dichloropropene	0.93	U	1	0.93	7.10	ug/Kg	12/04/25 12:45	VY120425
10061-01-5	cis-1,3-Dichloropropene	0.88	U	1	0.88	7.10	ug/Kg	12/04/25 12:45	VY120425
79-00-5	1,1,2-Trichloroethane	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
591-78-6	2-Hexanone	5.30	U	1	5.30	35.6	ug/Kg	12/04/25 12:45	VY120425
124-48-1	Dibromochloromethane	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
127-18-4	Tetrachloroethene	1.50	U	1	1.50	7.10	ug/Kg	12/04/25 12:45	VY120425
108-90-7	Chlorobenzene	1.30	U	1	1.30	7.10	ug/Kg	12/04/25 12:45	VY120425
100-41-4	Ethyl Benzene	0.95	U	1	0.95	7.10	ug/Kg	12/04/25 12:45	VY120425
179601-23-1	m/p-Xylenes	1.80	U	1	1.80	14.2	ug/Kg	12/04/25 12:45	VY120425
95-47-6	o-Xylene	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425
100-42-5	Styrene	1.00	U	1	1.00	7.10	ug/Kg	12/04/25 12:45	VY120425
75-25-2	Bromoform	1.20	U	1	1.20	7.10	ug/Kg	12/04/25 12:45	VY120425

Raw Data: **VY023888.D**

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Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-1			SDG No.:	Q3742
Lab Sample ID:	Q3742-16			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	73.5
Sample Wt/Vol:	4.78 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	7.10	ug/Kg	12/04/25 12:45	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	1.70	7.10	ug/Kg	12/04/25 12:45	VY120425
541-73-1	1,3-Dichlorobenzene	2.40	U	1	2.40	7.10	ug/Kg	12/04/25 12:45	VY120425
106-46-7	1,4-Dichlorobenzene	2.20	U	1	2.20	7.10	ug/Kg	12/04/25 12:45	VY120425
95-50-1	1,2-Dichlorobenzene	2.10	U	1	2.10	7.10	ug/Kg	12/04/25 12:45	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	1	2.60	7.10	ug/Kg	12/04/25 12:45	VY120425
120-82-1	1,2,4-Trichlorobenzene	4.20	U	1	4.20	7.10	ug/Kg	12/04/25 12:45	VY120425
87-61-6	1,2,3-Trichlorobenzene	4.50	U	1	4.50	7.10	ug/Kg	12/04/25 12:45	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.9			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	46.6			74 - 123	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.9			52 - 138	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	758000							
540-36-3	1,4-Difluorobenzene	1300000							
3114-55-4	Chlorobenzene-d5	1140000							
3855-82-1	1,4-Dichlorobenzene-d4	483000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Quant Time: Dec 05 01:45:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

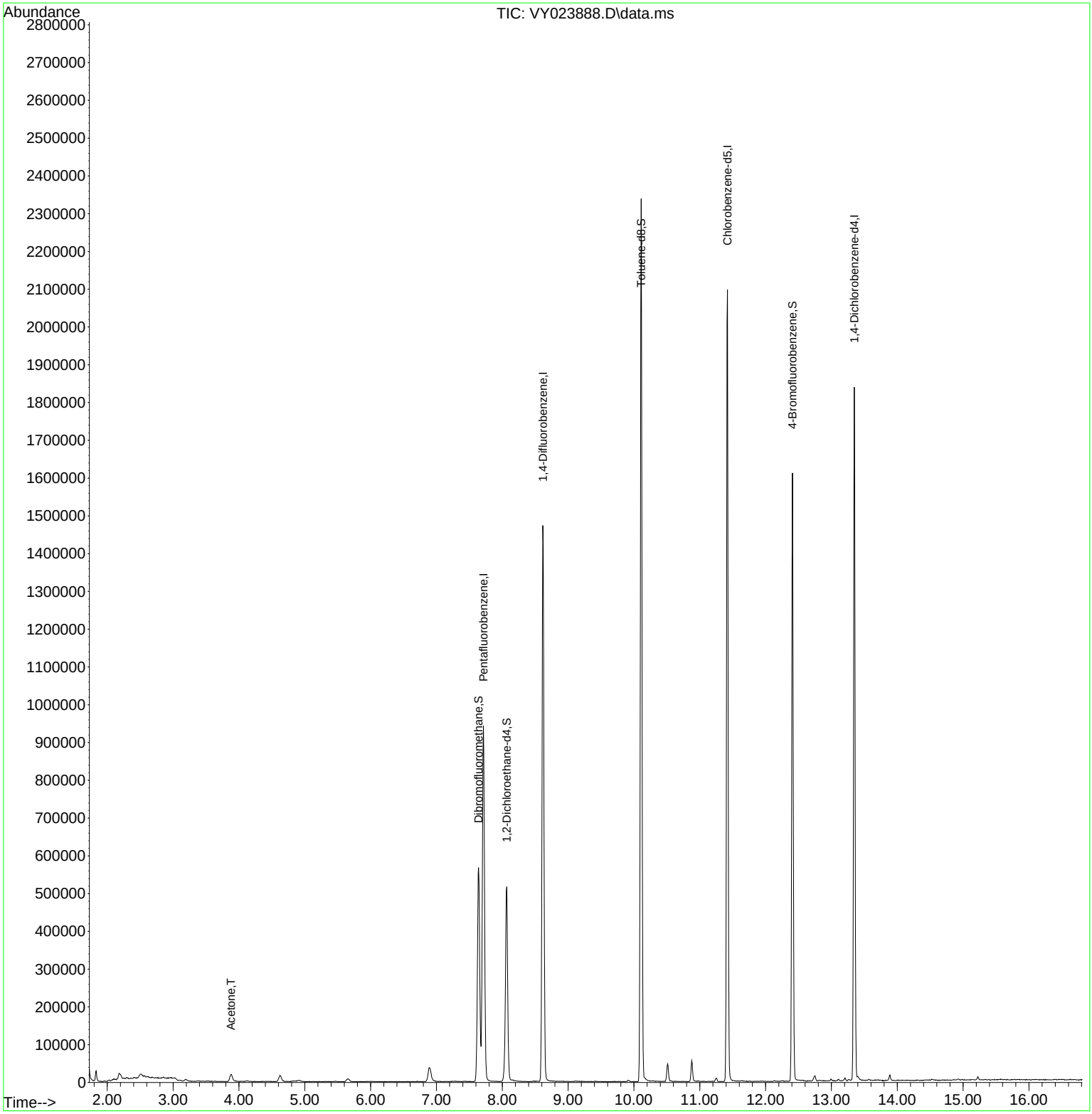
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	757757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1302856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1139174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	483490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	393758	51.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.640	113	413300	49.460	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.920%			
50) Toluene-d8	10.109	98	1515318	46.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.200%			
62) 4-Bromofluorobenzene	12.408	95	464930	41.920	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.840%			
Target Compounds						Qvalue
16) Acetone	3.879	43	35241	15.515	ug/l	96

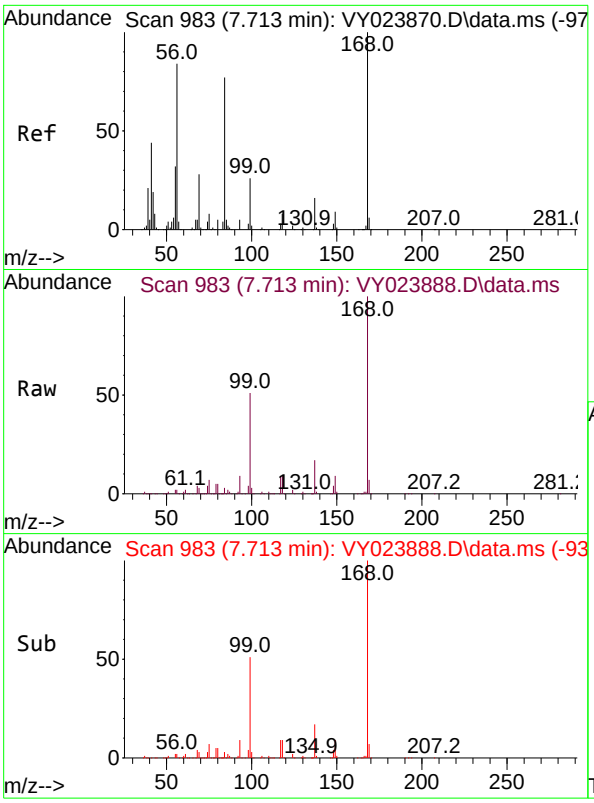
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Quant Time: Dec 05 01:45:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



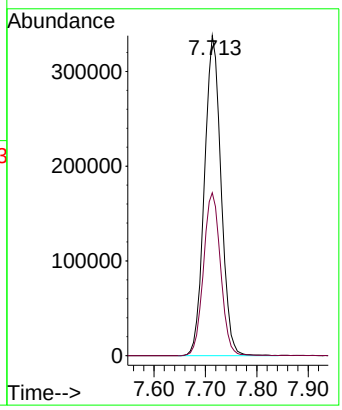


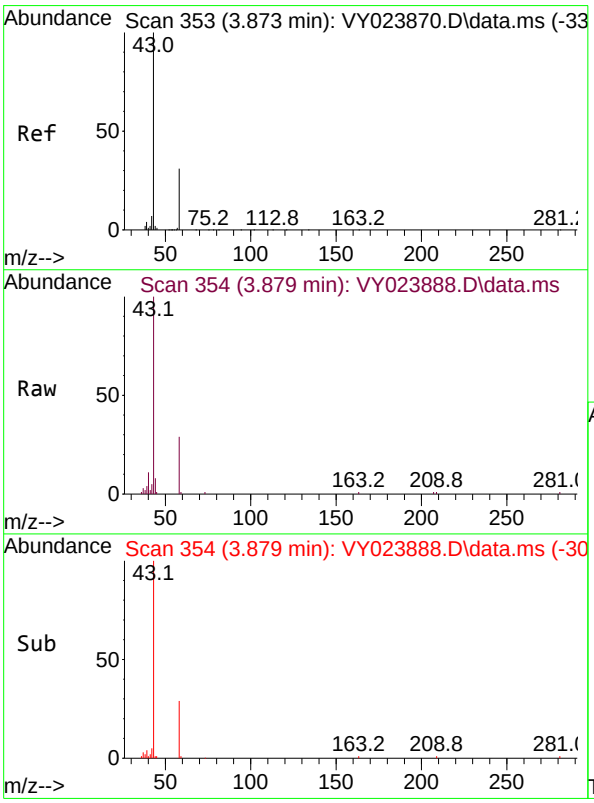
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Tgt Ion:168 Resp: 757757

Ion	Ratio	Lower	Upper
168	100		
99	50.9	42.5	63.7

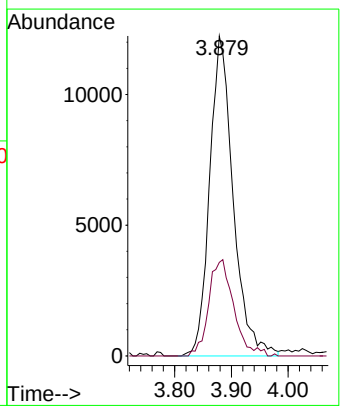


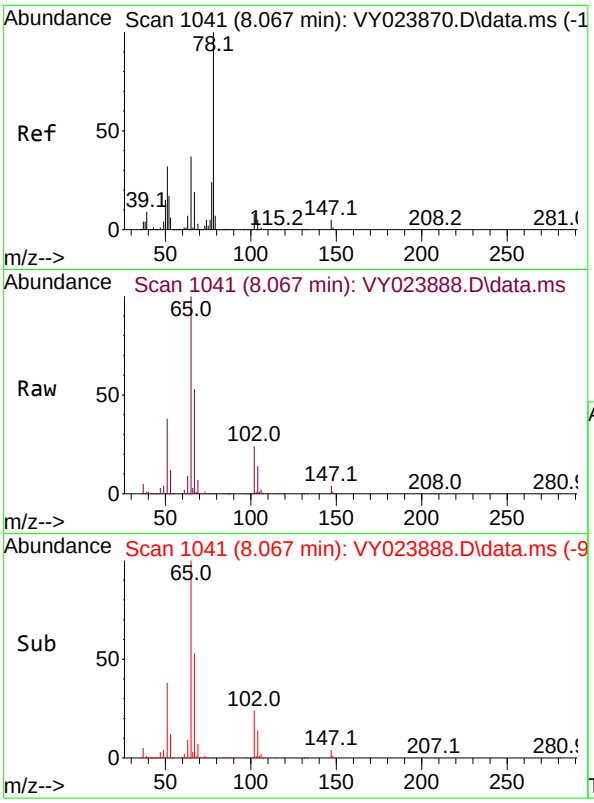


#16
Acetone
Concen: 15.515 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Tgt Ion: 43 Resp: 35241

Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.1	37.7



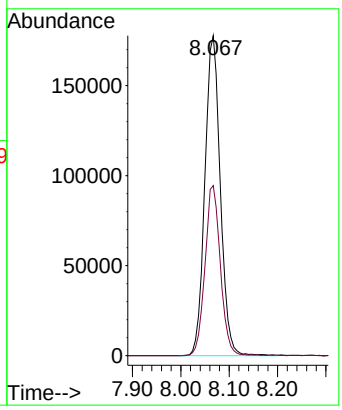


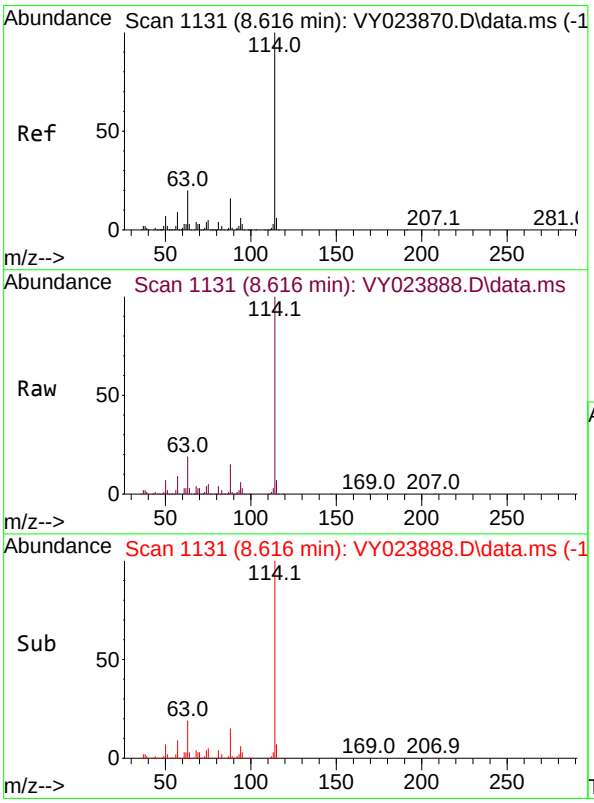
#33
1,2-Dichloroethane-d4
Concen: 51.945 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Tgt Ion: 65 Resp: 393758

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.2

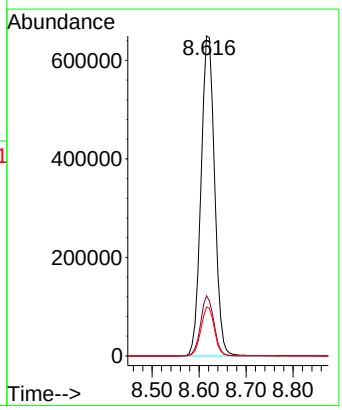


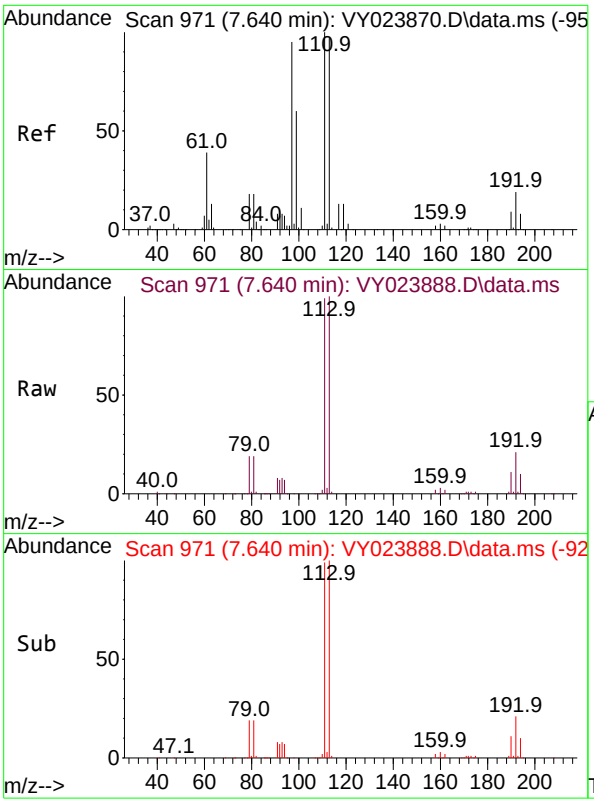


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Tgt Ion:114 Resp: 1302856

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.2
88	15.3	0.0	31.4



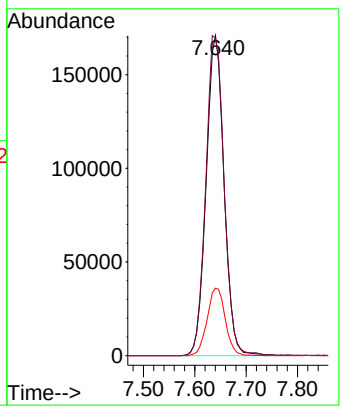


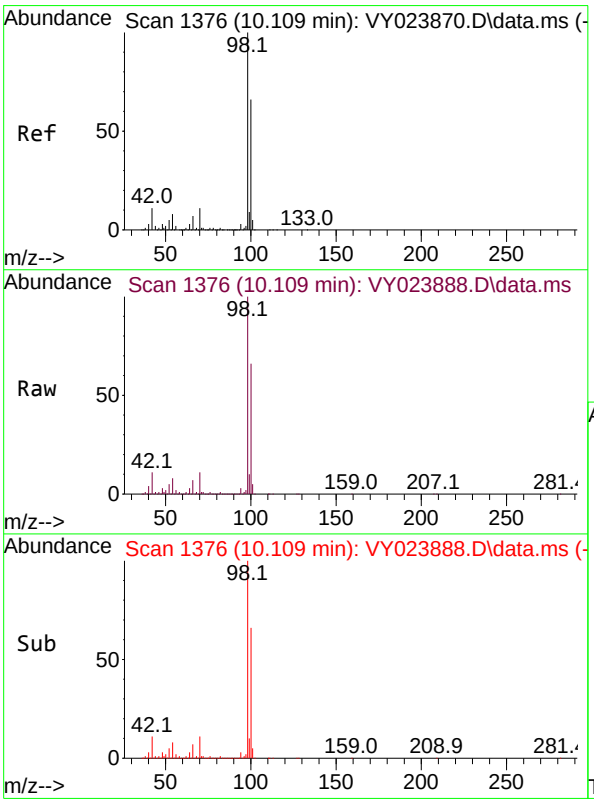
#35
Dibromofluoromethane
Concen: 49.460 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Tgt Ion:113 Resp: 413300

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	21.4	15.8	23.8

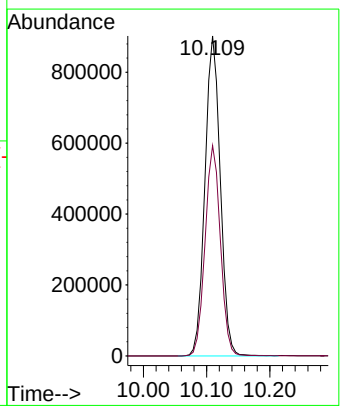


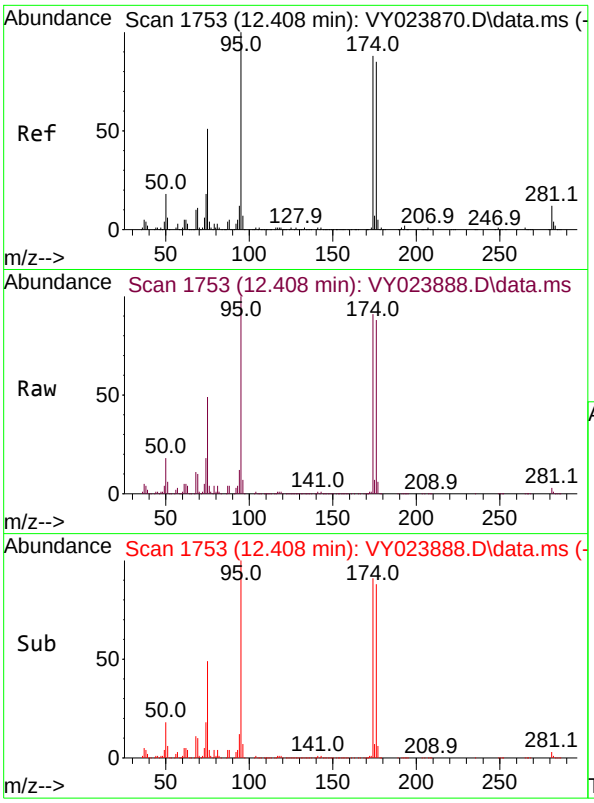


#50
Toluene-d8
Concen: 46.601 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Tgt Ion: 98 Resp: 1515318

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



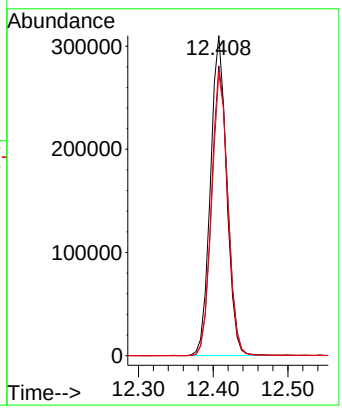


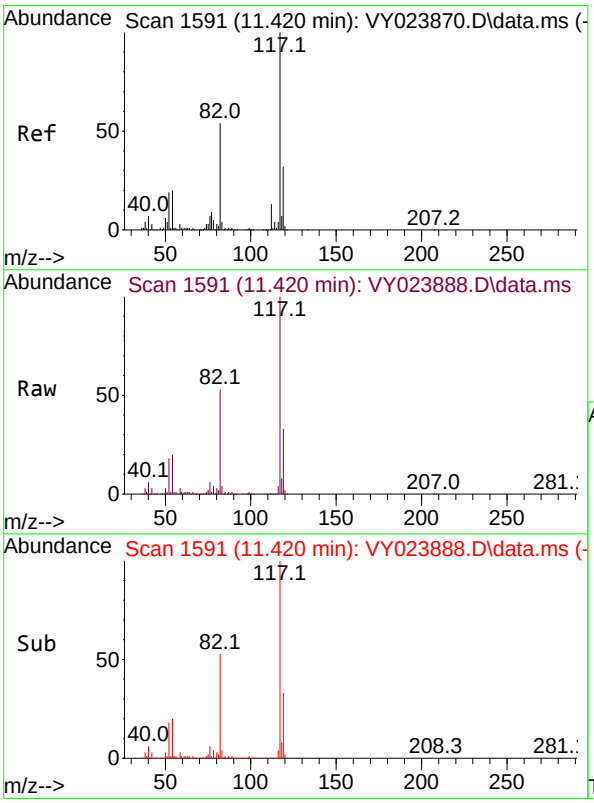
#62
4-Bromofluorobenzene
Concen: 41.920 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Tgt Ion: 95 Resp: 464930

Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	169.6
176	88.6	0.0	164.4

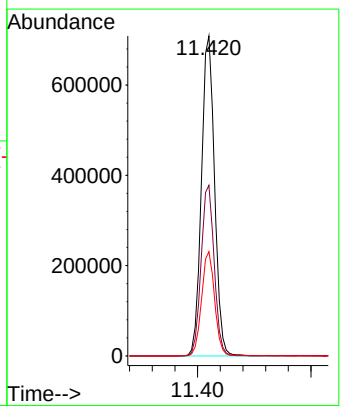


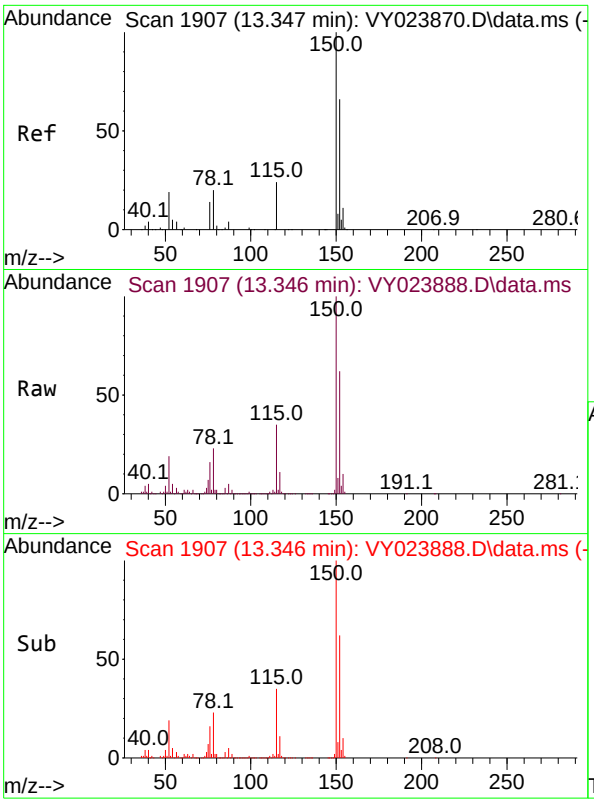


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Tgt Ion:117 Resp: 1139174

Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.1	64.7
119	32.6	26.0	39.0



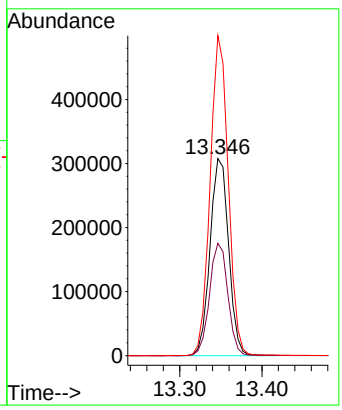


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023888.D
Acq: 04 Dec 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Tgt Ion:152 Resp: 483490

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.8	86.4
150	157.8	0.0	352.2



Sample Results: **VY023888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.178	71	75	84	rBV3	14872	40380	1.02%	0.194%
2	3.885	345	355	365	rBV	18738	57046	1.44%	0.275%
3	4.622	467	476	484	rBV2	16340	46145	1.16%	0.222%
4	6.890	836	848	861	rBV2	37191	125371	3.16%	0.603%
5	7.640	960	971	977	rBV2	566018	1389478	34.99%	6.686%
6	7.713	977	983	996	rVB	939348	2122120	53.44%	10.212%
7	8.067	1027	1041	1052	rBV	515656	1204316	30.33%	5.795%
8	8.616	1122	1131	1147	rBV	1471937	2916236	73.43%	14.033%
9	10.109	1367	1376	1394	rBV	2337629	3971196	100.00%	19.110%
10	10.512	1435	1442	1448	rBV2	46508	88041	2.22%	0.424%
11	10.877	1495	1502	1509	rBV	54885	91875	2.31%	0.442%
12	11.420	1579	1591	1606	rBV	2096781	3410995	85.89%	16.414%
13	12.408	1745	1753	1766	rBV	1610235	2502495	63.02%	12.042%
14	13.346	1900	1907	1914	rBV	1833684	2814885	70.88%	13.546%

Sum of corrected areas: 20780579

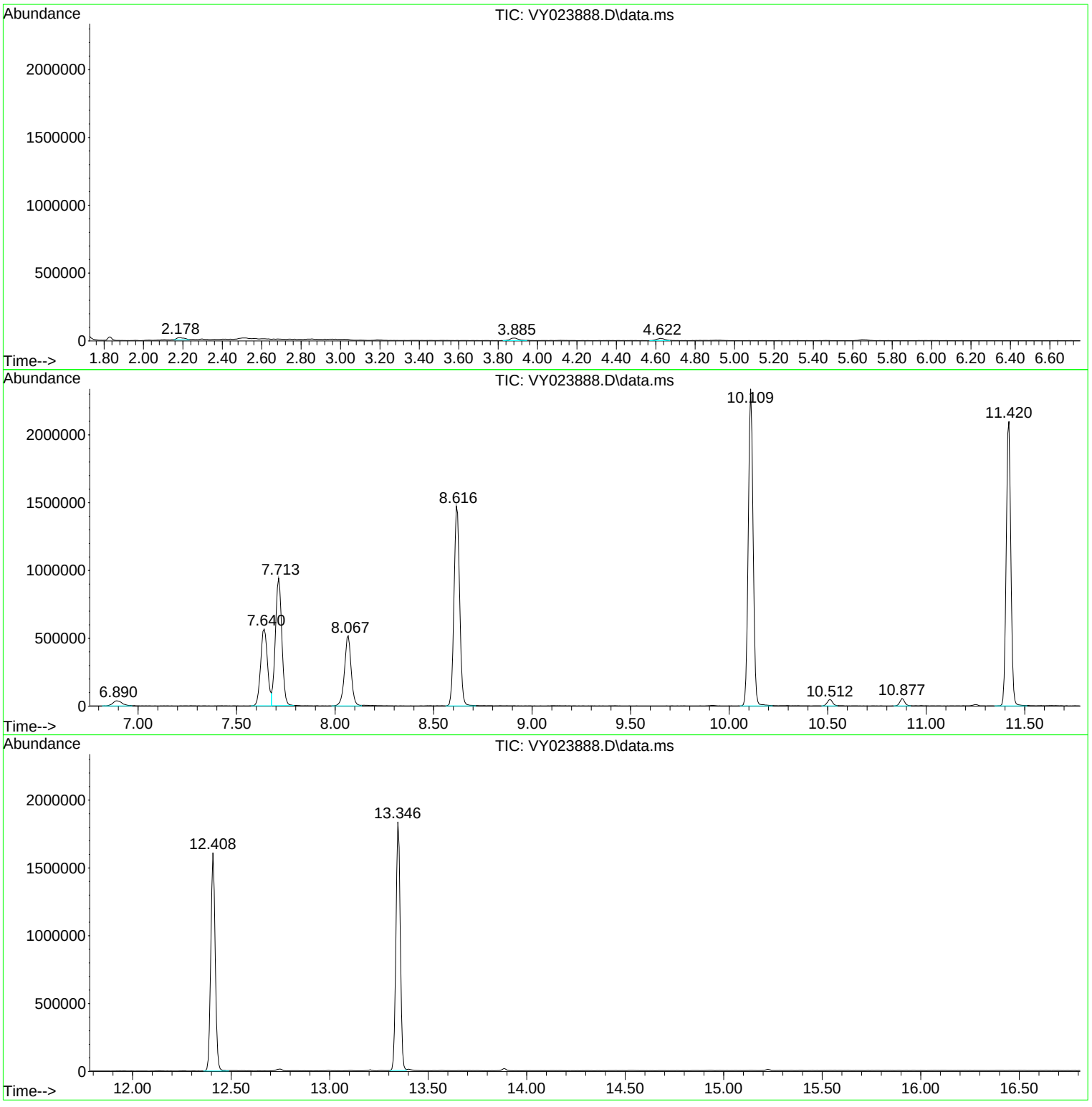
Sample Results: **VY023888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023888.D
Acq On : 04 Dec 2025 12:45
Operator : SY/MD
Sample : Q3742-16
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023889.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-25			SDG No.:	Q3742
Lab Sample ID:	Q3742-17			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	63.3
Sample Wt/Vol:	4.66 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.90	U	1	1.90	8.50	ug/Kg	12/04/25 13:09	VY120425
74-87-3	Chloromethane	1.90	U	1	1.90	8.50	ug/Kg	12/04/25 13:09	VY120425
75-01-4	Vinyl Chloride	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
74-83-9	Bromomethane	1.80	U	1	1.80	8.50	ug/Kg	12/04/25 13:09	VY120425
75-00-3	Chloroethane	2.10	U	1	2.10	8.50	ug/Kg	12/04/25 13:09	VY120425
75-69-4	Trichlorofluoromethane	2.10	U	1	2.10	8.50	ug/Kg	12/04/25 13:09	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1	1.80	8.50	ug/Kg	12/04/25 13:09	VY120425
75-35-4	1,1-Dichloroethene	1.70	U	1	1.70	8.50	ug/Kg	12/04/25 13:09	VY120425
67-64-1	Acetone	59.3		1	8.00	42.4	ug/Kg	12/04/25 13:09	VY120425
75-15-0	Carbon Disulfide	1.80	U	1	1.80	8.50	ug/Kg	12/04/25 13:09	VY120425
1634-04-4	Methyl tert-butyl Ether	1.20	U	1	1.20	8.50	ug/Kg	12/04/25 13:09	VY120425
79-20-9	Methyl Acetate	2.60	U	1	2.60	8.50	ug/Kg	12/04/25 13:09	VY120425
75-09-2	Methylene Chloride	6.00	U	1	6.00	17.0	ug/Kg	12/04/25 13:09	VY120425
156-60-5	trans-1,2-Dichloroethene	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
75-34-3	1,1-Dichloroethane	1.40	U	1	1.40	8.50	ug/Kg	12/04/25 13:09	VY120425
110-82-7	Cyclohexane	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
78-93-3	2-Butanone	11.1	U	1	11.1	42.4	ug/Kg	12/04/25 13:09	VY120425
56-23-5	Carbon Tetrachloride	1.60	U	1	1.60	8.50	ug/Kg	12/04/25 13:09	VY120425
156-59-2	cis-1,2-Dichloroethene	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
74-97-5	Bromochloromethane	1.90	U	1	1.90	8.50	ug/Kg	12/04/25 13:09	VY120425
67-66-3	Chloroform	1.40	U	1	1.40	8.50	ug/Kg	12/04/25 13:09	VY120425
71-55-6	1,1,1-Trichloroethane	1.60	U	1	1.60	8.50	ug/Kg	12/04/25 13:09	VY120425
108-87-2	Methylcyclohexane	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
71-43-2	Benzene	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
107-06-2	1,2-Dichloroethane	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
79-01-6	Trichloroethene	1.40	U	1	1.40	8.50	ug/Kg	12/04/25 13:09	VY120425
78-87-5	1,2-Dichloropropane	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
75-27-4	Bromodichloromethane	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
108-10-1	4-Methyl-2-Pentanone	6.10	U	1	6.10	42.4	ug/Kg	12/04/25 13:09	VY120425
108-88-3	Toluene	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
10061-02-6	t-1,3-Dichloropropene	1.10	U	1	1.10	8.50	ug/Kg	12/04/25 13:09	VY120425
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1	1.10	8.50	ug/Kg	12/04/25 13:09	VY120425
79-00-5	1,1,2-Trichloroethane	1.60	U	1	1.60	8.50	ug/Kg	12/04/25 13:09	VY120425
591-78-6	2-Hexanone	6.30	U	1	6.30	42.4	ug/Kg	12/04/25 13:09	VY120425
124-48-1	Dibromochloromethane	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
106-93-4	1,2-Dibromoethane	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
127-18-4	Tetrachloroethene	1.80	U	1	1.80	8.50	ug/Kg	12/04/25 13:09	VY120425
108-90-7	Chlorobenzene	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425
100-41-4	Ethyl Benzene	1.10	U	1	1.10	8.50	ug/Kg	12/04/25 13:09	VY120425
179601-23-1	m/p-Xylenes	2.10	U	1	2.10	17.0	ug/Kg	12/04/25 13:09	VY120425
95-47-6	o-Xylene	1.40	U	1	1.40	8.50	ug/Kg	12/04/25 13:09	VY120425
100-42-5	Styrene	1.20	U	1	1.20	8.50	ug/Kg	12/04/25 13:09	VY120425
75-25-2	Bromoform	1.50	U	1	1.50	8.50	ug/Kg	12/04/25 13:09	VY120425

Raw Data: **VY023889.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-25	SDG No.:	Q3742
Lab Sample ID:	Q3742-17	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	63.3
Sample Wt/Vol:	4.66 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.30	U	1	1.30	8.50	ug/Kg	12/04/25 13:09	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1	2.10	8.50	ug/Kg	12/04/25 13:09	VY120425
541-73-1	1,3-Dichlorobenzene	2.90	U	1	2.90	8.50	ug/Kg	12/04/25 13:09	VY120425
106-46-7	1,4-Dichlorobenzene	2.60	U	1	2.60	8.50	ug/Kg	12/04/25 13:09	VY120425
95-50-1	1,2-Dichlorobenzene	2.50	U	1	2.50	8.50	ug/Kg	12/04/25 13:09	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1	3.10	8.50	ug/Kg	12/04/25 13:09	VY120425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	5.00	8.50	ug/Kg	12/04/25 13:09	VY120425
87-61-6	1,2,3-Trichlorobenzene	5.40	U	1	5.40	8.50	ug/Kg	12/04/25 13:09	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.5			63 - 155	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	46.6			74 - 123	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.2			52 - 138	86%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	676000							
540-36-3	1,4-Difluorobenzene	1170000							
3114-55-4	Chlorobenzene-d5	1030000							
3855-82-1	1,4-Dichlorobenzene-d4	460000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Quant Time: Dec 05 01:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

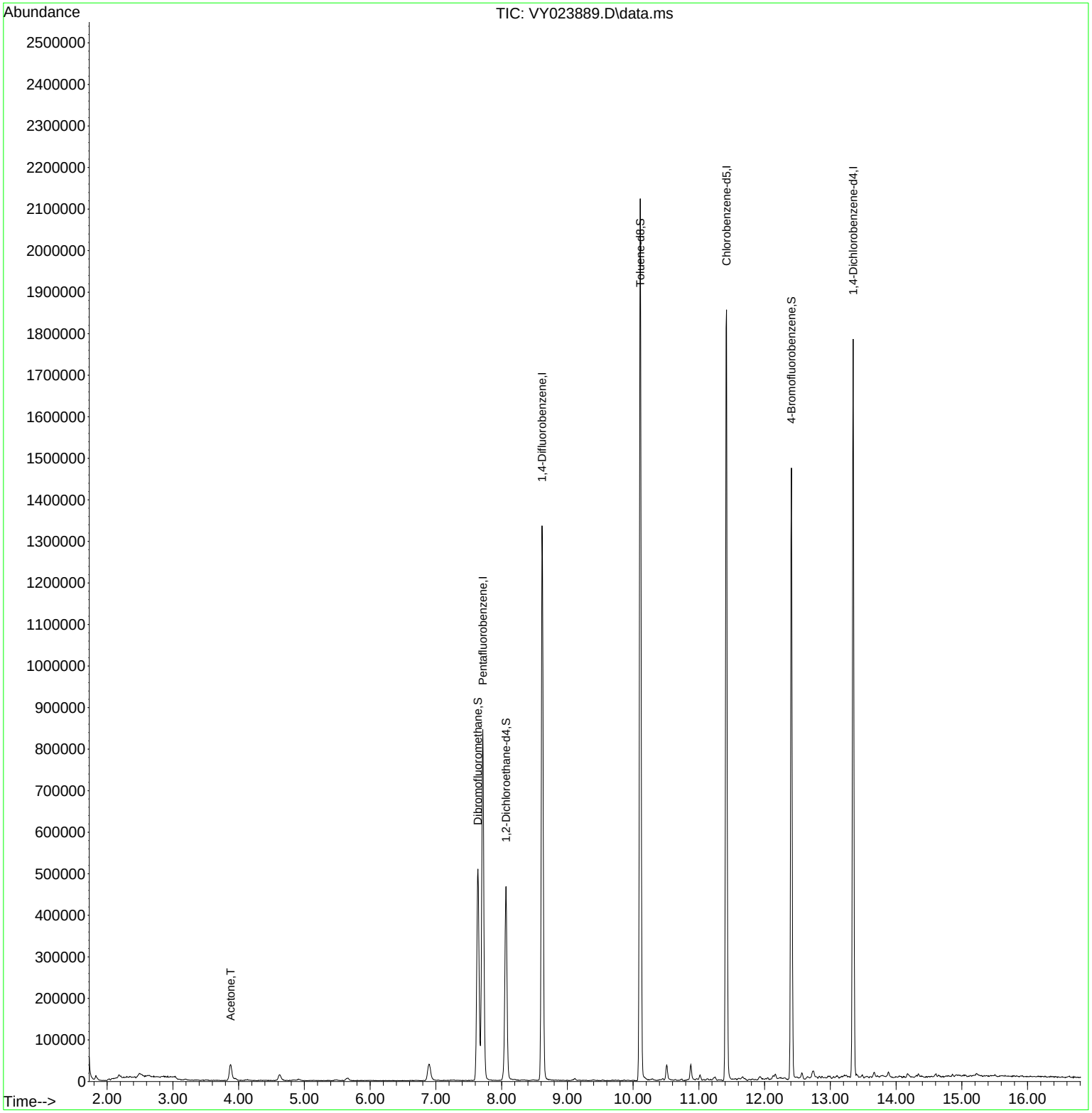
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	676192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1168984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1032423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	459524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	362112	53.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.060%			
35) Dibromofluoromethane	7.640	113	375395	50.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.109	98	1359016	46.580	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.160%			
62) 4-Bromofluorobenzene	12.408	95	429811	43.191	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.380%			
Target Compounds						Qvalue
16) Acetone	3.879	43	70955	35.006	ug/l	95

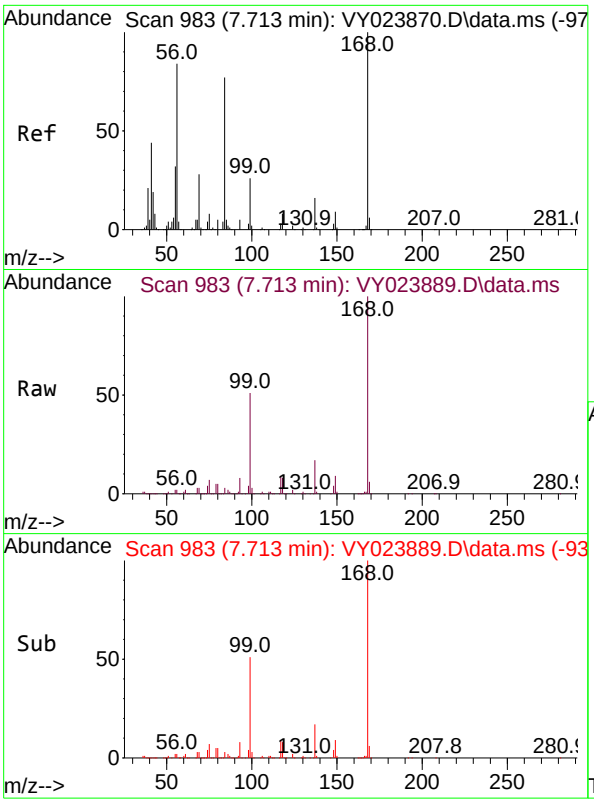
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Quant Time: Dec 05 01:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



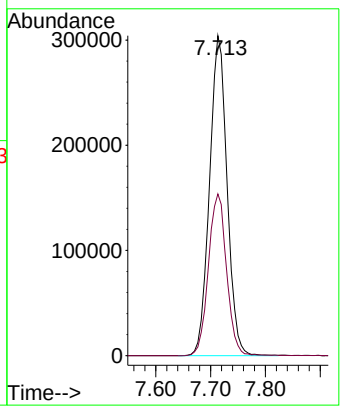


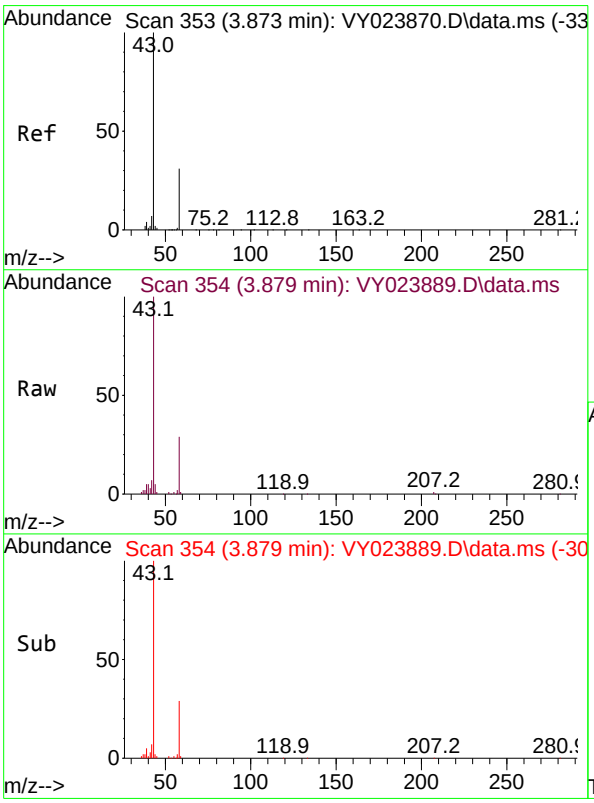
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Tgt Ion:168 Resp: 676192

Ion	Ratio	Lower	Upper
168	100		
99	50.5	42.5	63.7

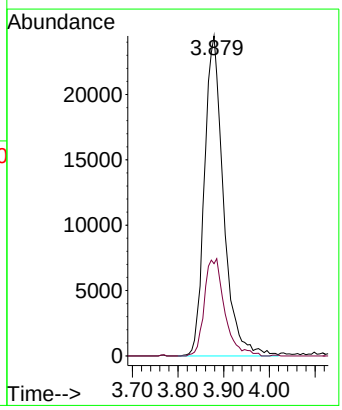


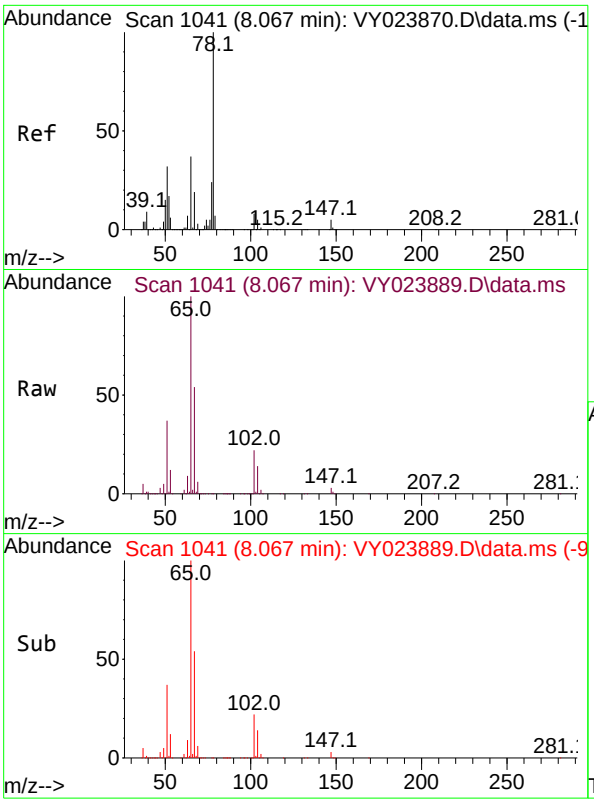


#16
Acetone
Concen: 35.006 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 43 Resp: 70955

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.1	37.7



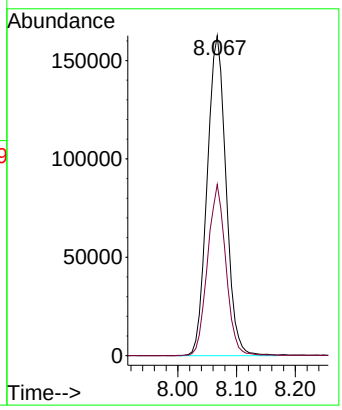


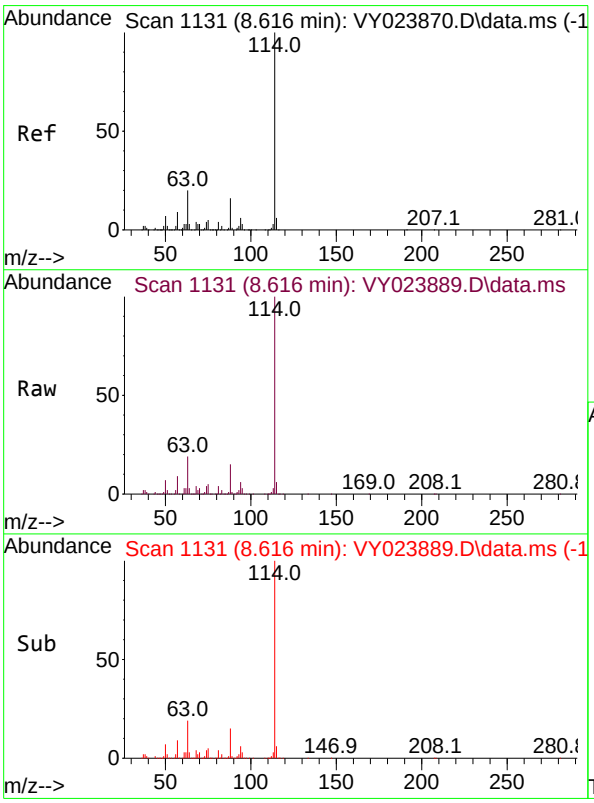
#33
1,2-Dichloroethane-d4
Concen: 53.532 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Tgt Ion: 65 Resp: 362112

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	107.2

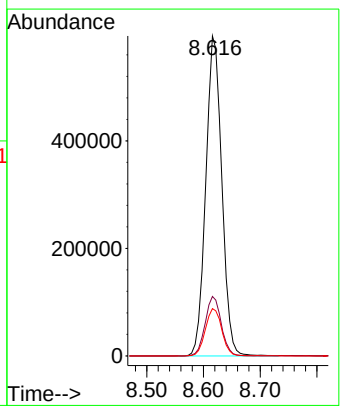


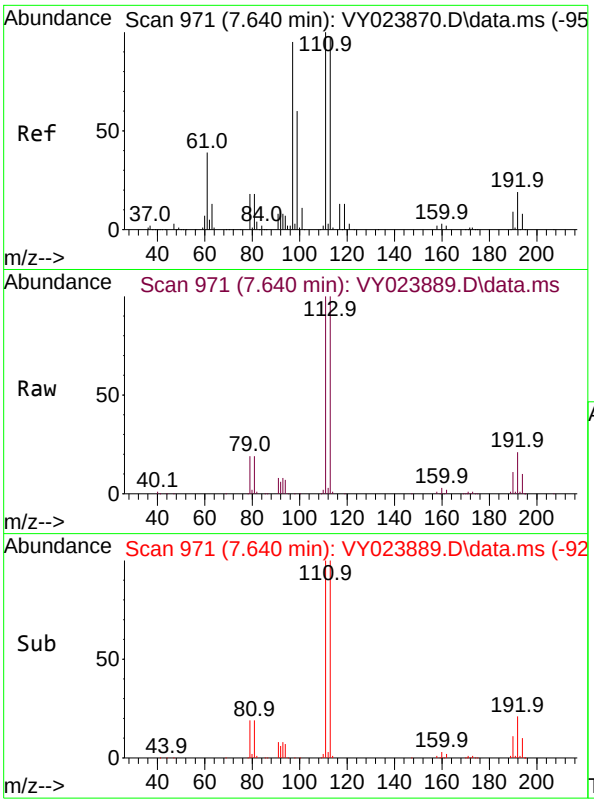


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion:114 Resp: 1168984

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.2
88	14.8	0.0	31.4



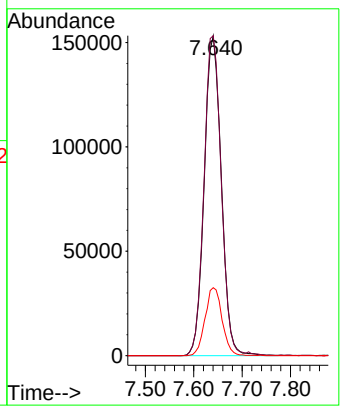


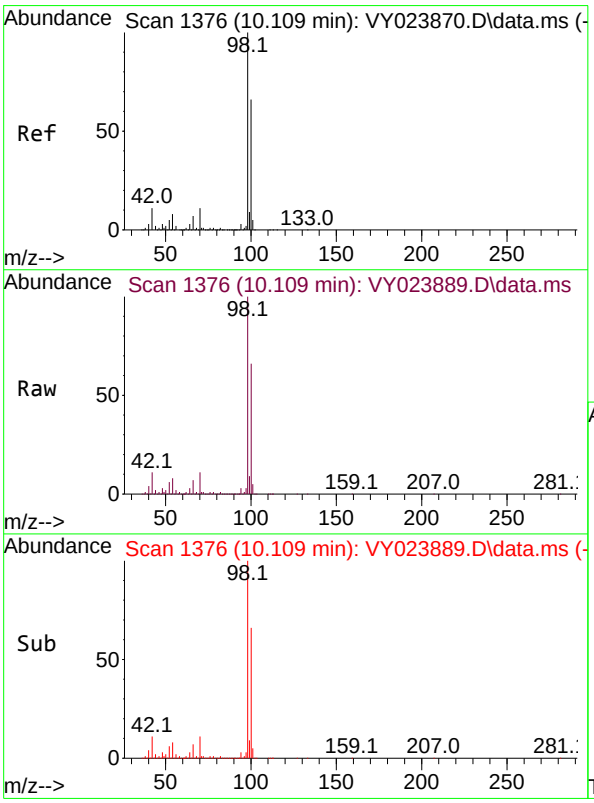
#35
Dibromofluoromethane
Concen: 50.069 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Tgt Ion:113 Resp: 375395

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.2
192	21.1	15.8	23.8

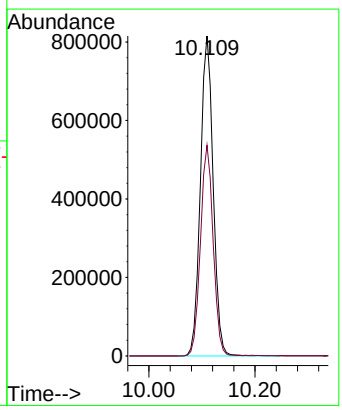


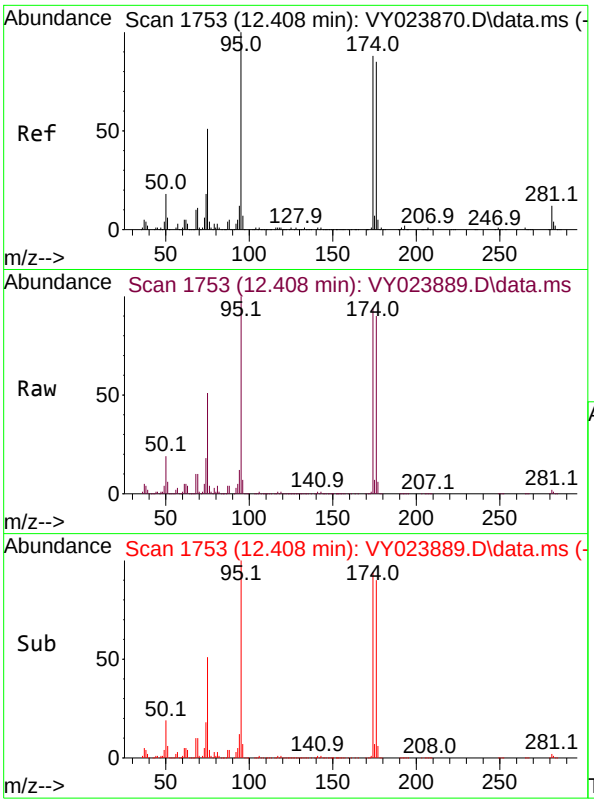


#50
Toluene-d8
Concen: 46.580 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 98 Resp: 1359016

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7



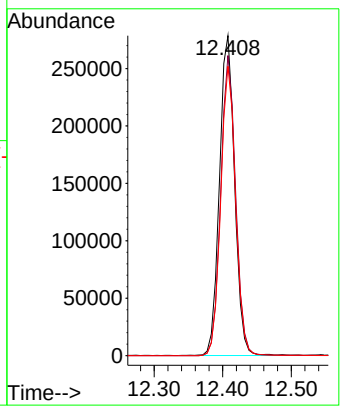


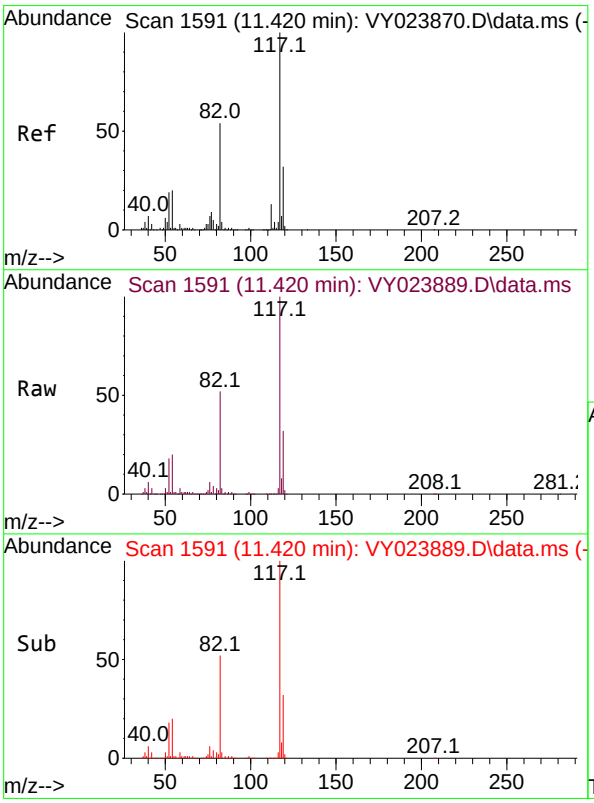
#62
4-Bromofluorobenzene
Concen: 43.191 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Tgt Ion: 95 Resp: 429811

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	169.6
176	88.8	0.0	164.4

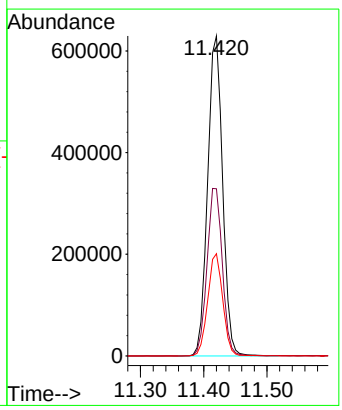


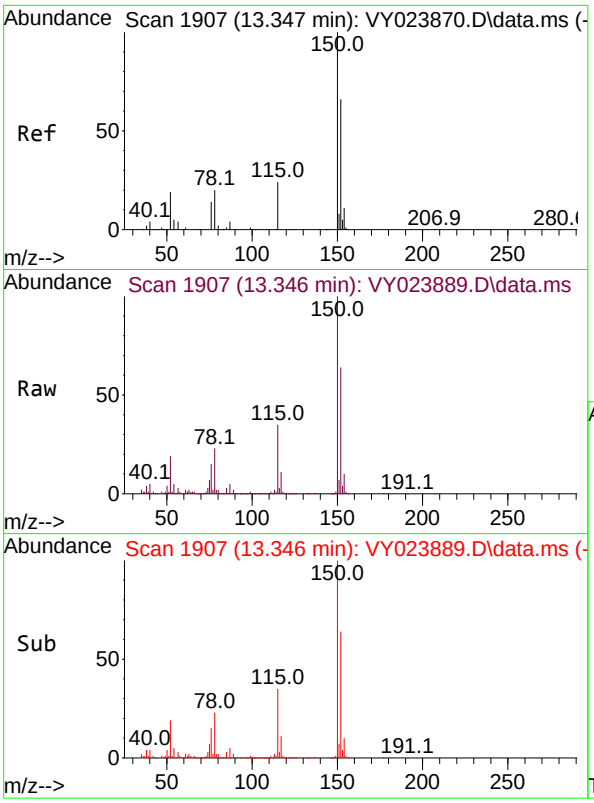


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion:117 Resp: 1032423

Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.1	64.7
119	31.9	26.0	39.0



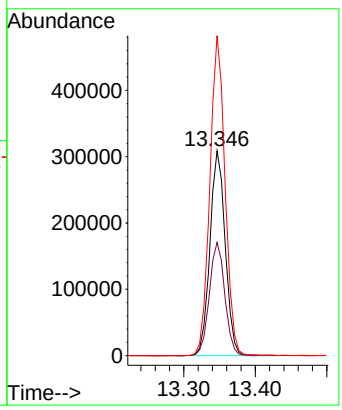


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Tgt Ion:152 Resp: 459524

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.8	86.4
150	155.2	0.0	352.2



Sample Results: **VY023889.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023889.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	345	354	365	rBV2	38146	114063	3.19%	0.601%
2	4.622	464	476	487	rBV4	14260	47875	1.34%	0.252%
3	6.896	839	849	866	rBV2	39577	136104	3.81%	0.717%
4	7.640	961	971	977	rBV	508374	1251119	34.99%	6.592%
5	7.713	977	983	1000	rVB	844122	1900799	53.16%	10.015%
6	8.067	1028	1041	1053	rBV	466455	1077983	30.15%	5.680%
7	8.616	1122	1131	1144	rBV	1334935	2629456	73.54%	13.854%
8	10.109	1368	1376	1394	rBV	2123287	3575433	100.00%	18.838%
9	10.512	1435	1442	1452	rBV2	36047	71174	1.99%	0.375%
10	10.877	1496	1502	1510	rBV	36094	62102	1.74%	0.327%
11	11.420	1582	1591	1605	rBV	1855317	3107964	86.93%	16.375%
12	12.408	1745	1753	1764	rBV	1472115	2304031	64.44%	12.140%
13	12.743	1799	1808	1813	rBV8	16927	44646	1.25%	0.235%
14	13.346	1900	1907	1914	rBV	1777223	2656675	74.30%	13.998%

Sum of corrected areas: 18979424

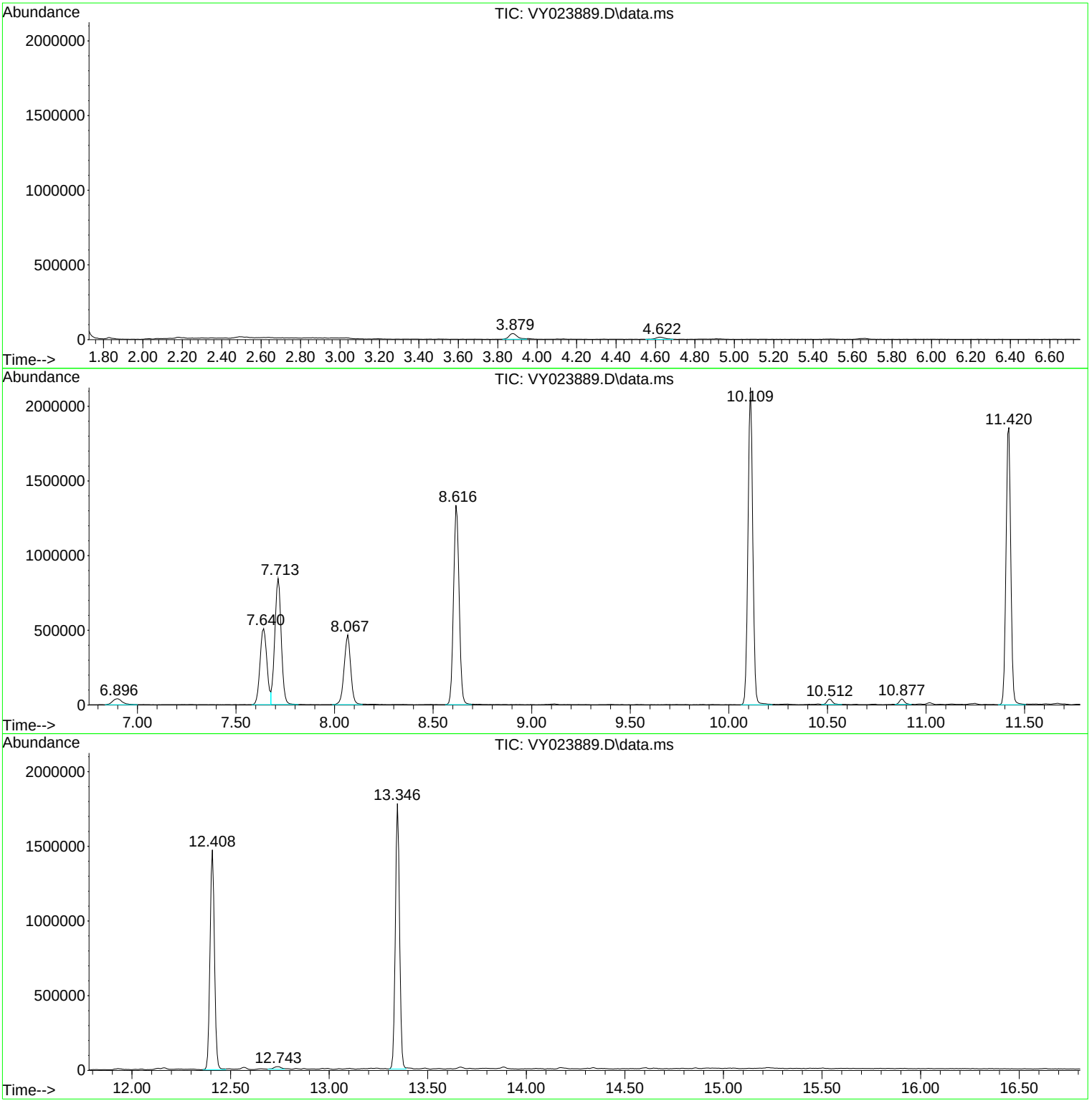
Sample Results: **VY023889.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023889.D
Acq On : 04 Dec 2025 13:09
Operator : SY/MD
Sample : Q3742-17
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023890.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-24			SDG No.:	Q3742
Lab Sample ID:	Q3742-18			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	62.8
Sample Wt/Vol:	4.82 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.90	U	1	1.90	8.30	ug/Kg	12/04/25 13:32	VY120425
74-87-3	Chloromethane	1.90	U	1	1.90	8.30	ug/Kg	12/04/25 13:32	VY120425
75-01-4	Vinyl Chloride	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
74-83-9	Bromomethane	1.80	U	1	1.80	8.30	ug/Kg	12/04/25 13:32	VY120425
75-00-3	Chloroethane	2.10	U	1	2.10	8.30	ug/Kg	12/04/25 13:32	VY120425
75-69-4	Trichlorofluoromethane	2.00	U	1	2.00	8.30	ug/Kg	12/04/25 13:32	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1	1.80	8.30	ug/Kg	12/04/25 13:32	VY120425
75-35-4	1,1-Dichloroethene	1.70	U	1	1.70	8.30	ug/Kg	12/04/25 13:32	VY120425
67-64-1	Acetone	33.2	J	1	7.80	41.3	ug/Kg	12/04/25 13:32	VY120425
75-15-0	Carbon Disulfide	1.80	U	1	1.80	8.30	ug/Kg	12/04/25 13:32	VY120425
1634-04-4	Methyl tert-butyl Ether	1.20	U	1	1.20	8.30	ug/Kg	12/04/25 13:32	VY120425
79-20-9	Methyl Acetate	2.50	U	1	2.50	8.30	ug/Kg	12/04/25 13:32	VY120425
75-09-2	Methylene Chloride	5.80	U	1	5.80	16.5	ug/Kg	12/04/25 13:32	VY120425
156-60-5	trans-1,2-Dichloroethene	1.40	U	1	1.40	8.30	ug/Kg	12/04/25 13:32	VY120425
75-34-3	1,1-Dichloroethane	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
110-82-7	Cyclohexane	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
78-93-3	2-Butanone	10.8	U	1	10.8	41.3	ug/Kg	12/04/25 13:32	VY120425
56-23-5	Carbon Tetrachloride	1.60	U	1	1.60	8.30	ug/Kg	12/04/25 13:32	VY120425
156-59-2	cis-1,2-Dichloroethene	1.20	U	1	1.20	8.30	ug/Kg	12/04/25 13:32	VY120425
74-97-5	Bromochloromethane	1.90	U	1	1.90	8.30	ug/Kg	12/04/25 13:32	VY120425
67-66-3	Chloroform	1.40	U	1	1.40	8.30	ug/Kg	12/04/25 13:32	VY120425
71-55-6	1,1,1-Trichloroethane	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
108-87-2	Methylcyclohexane	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
71-43-2	Benzene	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
107-06-2	1,2-Dichloroethane	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
79-01-6	Trichloroethene	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
78-87-5	1,2-Dichloropropane	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
75-27-4	Bromodichloromethane	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
108-10-1	4-Methyl-2-Pentanone	5.90	U	1	5.90	41.3	ug/Kg	12/04/25 13:32	VY120425
108-88-3	Toluene	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
10061-02-6	t-1,3-Dichloropropene	1.10	U	1	1.10	8.30	ug/Kg	12/04/25 13:32	VY120425
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	1.00	8.30	ug/Kg	12/04/25 13:32	VY120425
79-00-5	1,1,2-Trichloroethane	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
591-78-6	2-Hexanone	6.10	U	1	6.10	41.3	ug/Kg	12/04/25 13:32	VY120425
124-48-1	Dibromochloromethane	1.40	U	1	1.40	8.30	ug/Kg	12/04/25 13:32	VY120425
106-93-4	1,2-Dibromoethane	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
127-18-4	Tetrachloroethene	1.70	U	1	1.70	8.30	ug/Kg	12/04/25 13:32	VY120425
108-90-7	Chlorobenzene	1.50	U	1	1.50	8.30	ug/Kg	12/04/25 13:32	VY120425
100-41-4	Ethyl Benzene	1.10	U	1	1.10	8.30	ug/Kg	12/04/25 13:32	VY120425
179601-23-1	m/p-Xylenes	2.00	U	1	2.00	16.5	ug/Kg	12/04/25 13:32	VY120425
95-47-6	o-Xylene	1.40	U	1	1.40	8.30	ug/Kg	12/04/25 13:32	VY120425
100-42-5	Styrene	1.20	U	1	1.20	8.30	ug/Kg	12/04/25 13:32	VY120425
75-25-2	Bromoform	1.40	U	1	1.40	8.30	ug/Kg	12/04/25 13:32	VY120425

Raw Data: **VY023890.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	11/25/25
Project:	Saddler Property			Date Received:	11/26/25
Client Sample ID:	SB-1125-24			SDG No.:	Q3742
Lab Sample ID:	Q3742-18			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	62.8
Sample Wt/Vol:	4.82 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.30	U	1	1.30	8.30	ug/Kg	12/04/25 13:32	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	1	2.00	8.30	ug/Kg	12/04/25 13:32	VY120425
541-73-1	1,3-Dichlorobenzene	2.80	U	1	2.80	8.30	ug/Kg	12/04/25 13:32	VY120425
106-46-7	1,4-Dichlorobenzene	2.60	U	1	2.60	8.30	ug/Kg	12/04/25 13:32	VY120425
95-50-1	1,2-Dichlorobenzene	2.40	U	1	2.40	8.30	ug/Kg	12/04/25 13:32	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1	3.00	8.30	ug/Kg	12/04/25 13:32	VY120425
120-82-1	1,2,4-Trichlorobenzene	4.90	U	1	4.90	8.30	ug/Kg	12/04/25 13:32	VY120425
87-61-6	1,2,3-Trichlorobenzene	5.30	U	1	5.30	8.30	ug/Kg	12/04/25 13:32	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.8			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.0			70 - 134	98%	SPK: 50		
2037-26-5	Toluene-d8	46.3			74 - 123	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.5			52 - 138	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	754000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1140000							
3855-82-1	1,4-Dichlorobenzene-d4	498000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Quant Time: Dec 05 01:46:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

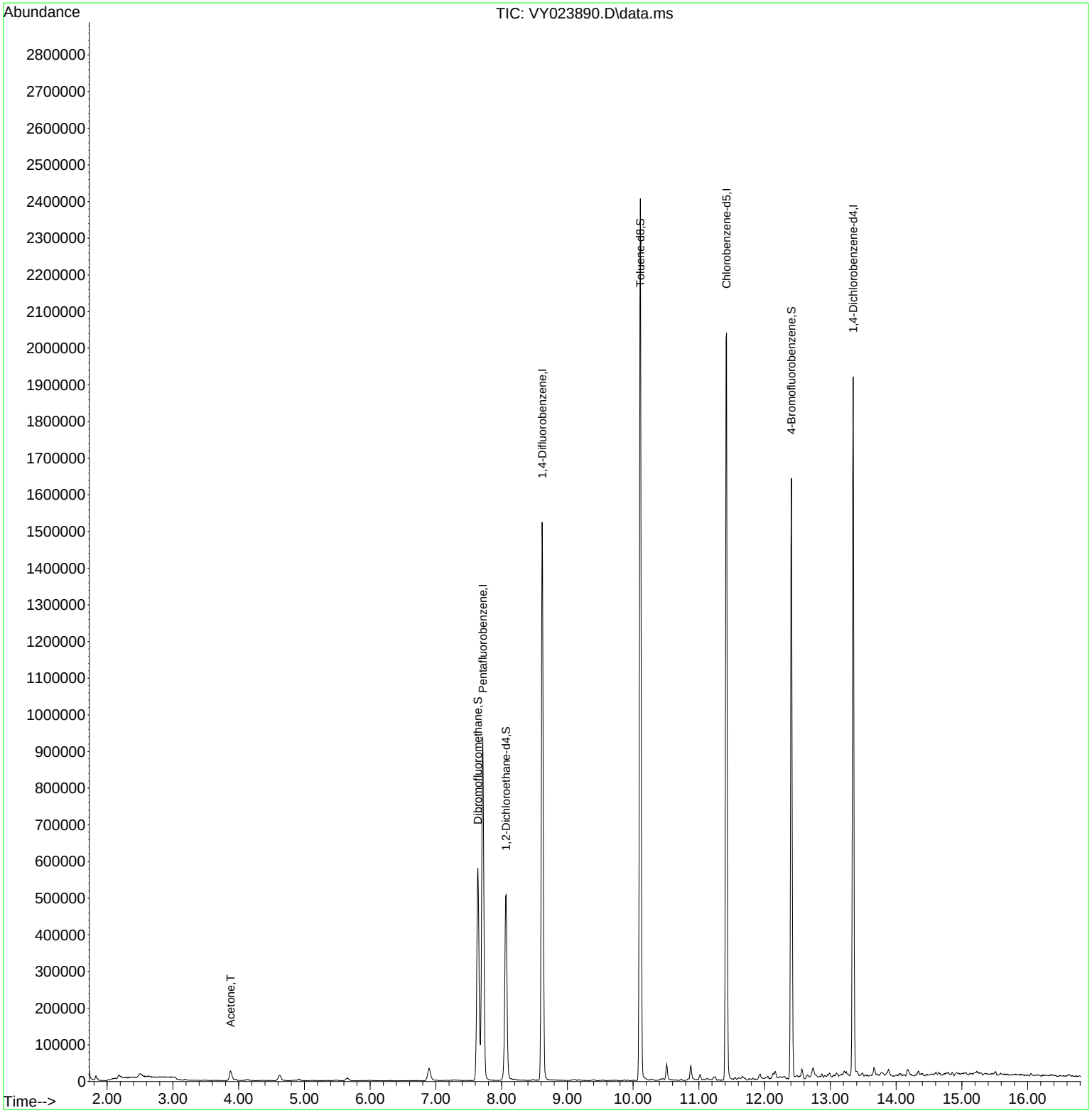
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	754176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1322794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1144208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	497891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	398649	52.840	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.680%			
35) Dibromofluoromethane	7.640	113	415857	49.016	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.040%			
50) Toluene-d8	10.109	98	1529804	46.337	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.680%			
62) 4-Bromofluorobenzene	12.408	95	467005	41.472	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.940%			
Target Compounds						Qvalue
16) Acetone	3.879	43	45373	20.070	ug/l	100

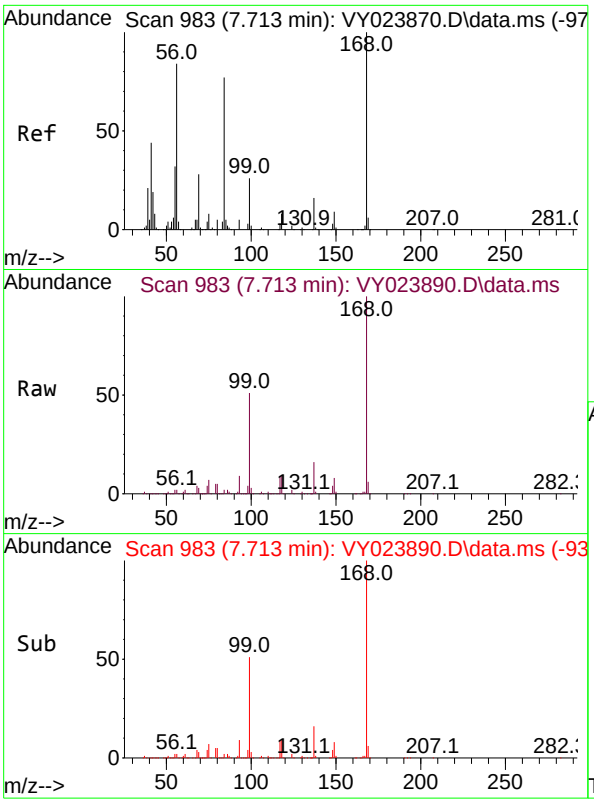
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Quant Time: Dec 05 01:46:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



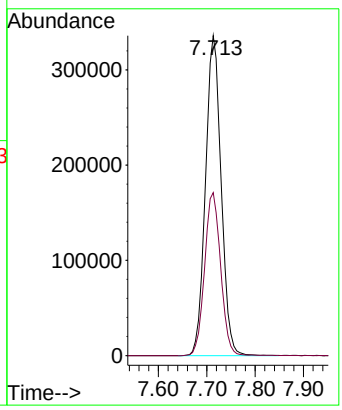


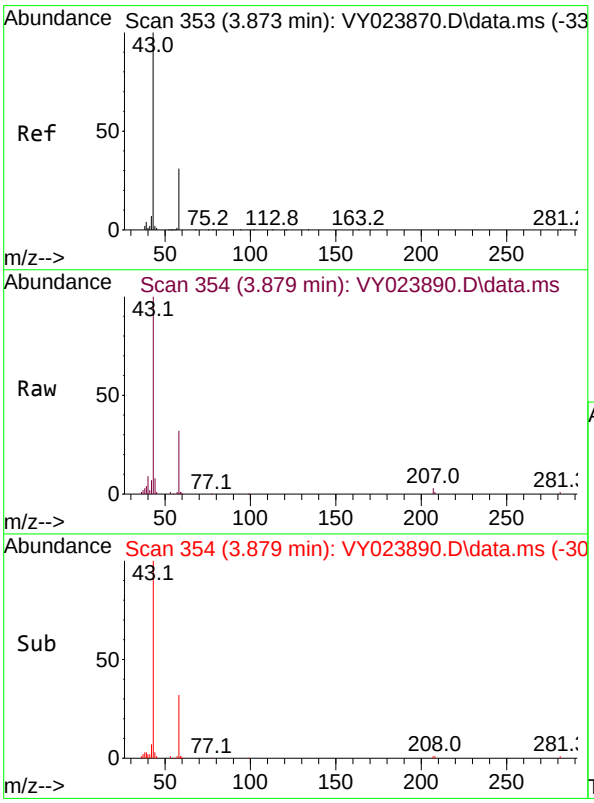
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Tgt Ion:168 Resp: 754176

Ion	Ratio	Lower	Upper
168	100		
99	50.9	42.5	63.7

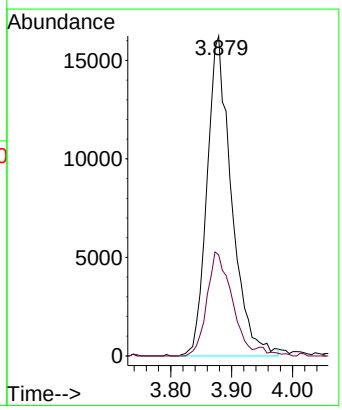


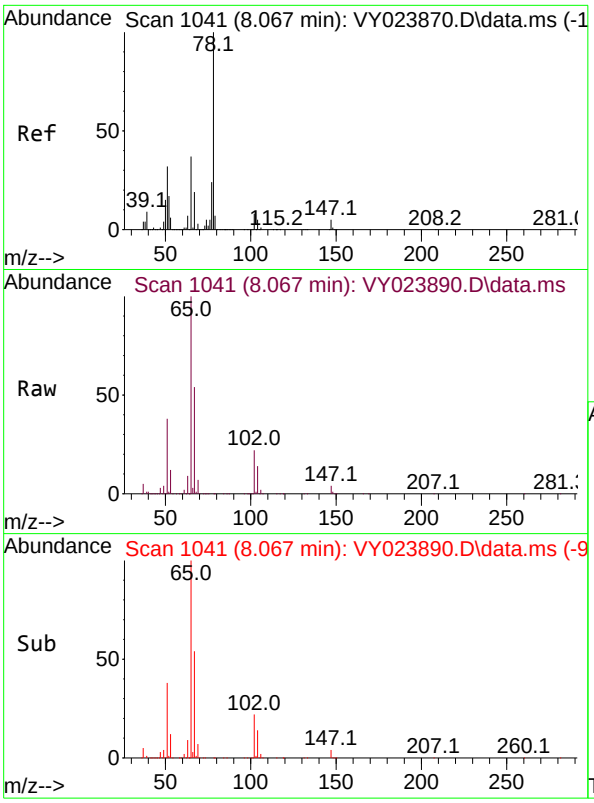


#16
Acetone
Concen: 20.070 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Tgt Ion: 43 Resp: 45373

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.1	37.7



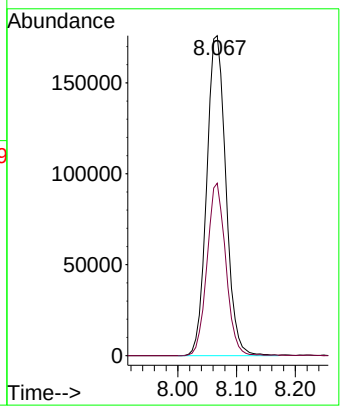


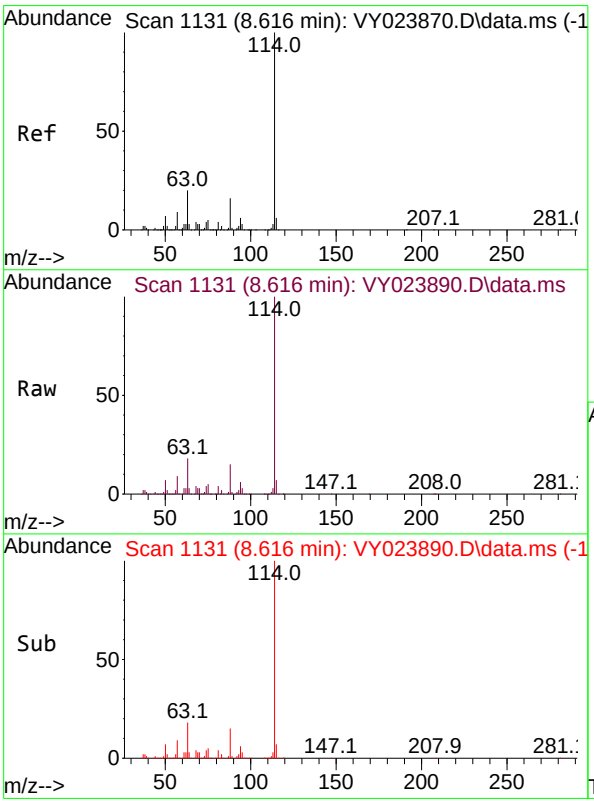
#33
1,2-Dichloroethane-d4
Concen: 52.840 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Tgt Ion: 65 Resp: 398649

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.2

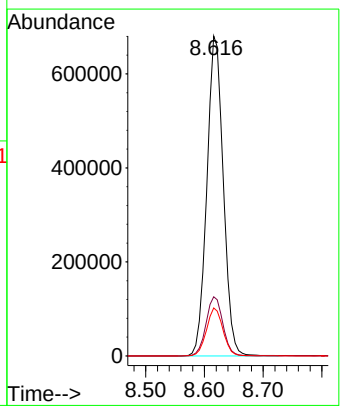


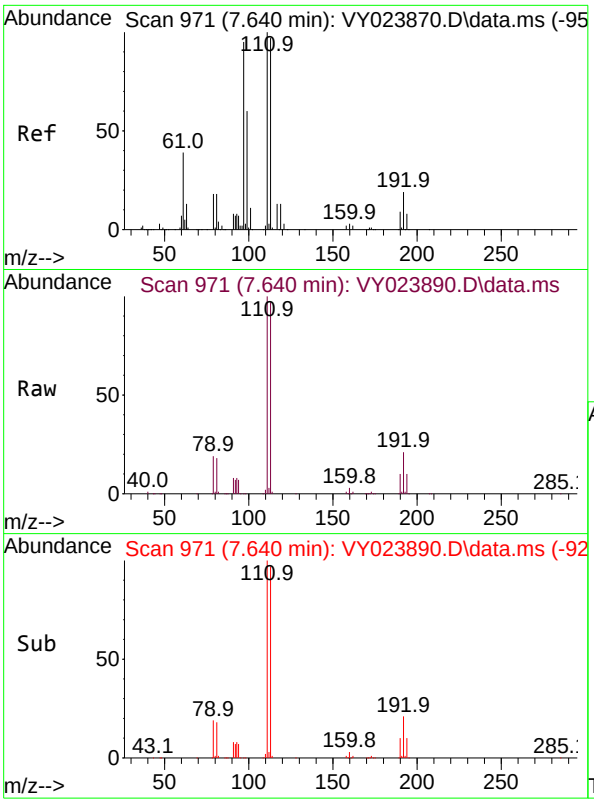


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Tgt Ion:114 Resp: 1322794

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.2
88	15.0	0.0	31.4



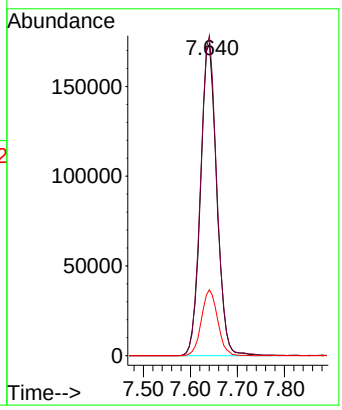


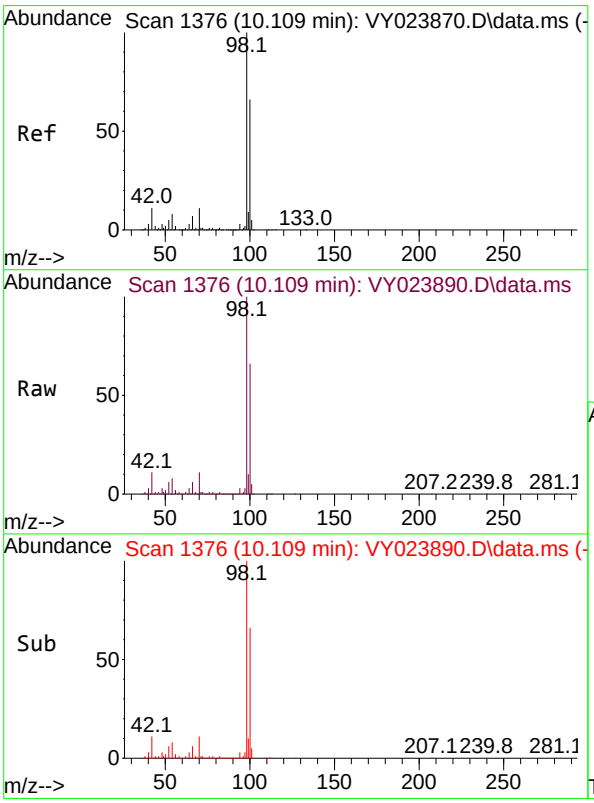
#35
Dibromofluoromethane
Concen: 49.016 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Tgt Ion:113 Resp: 415857

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	21.1	15.8	23.8

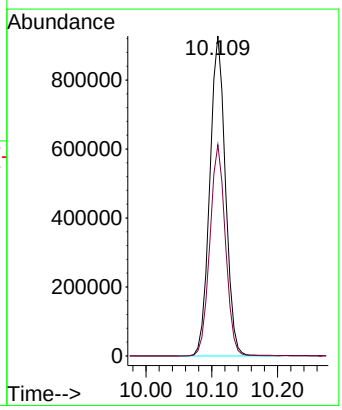


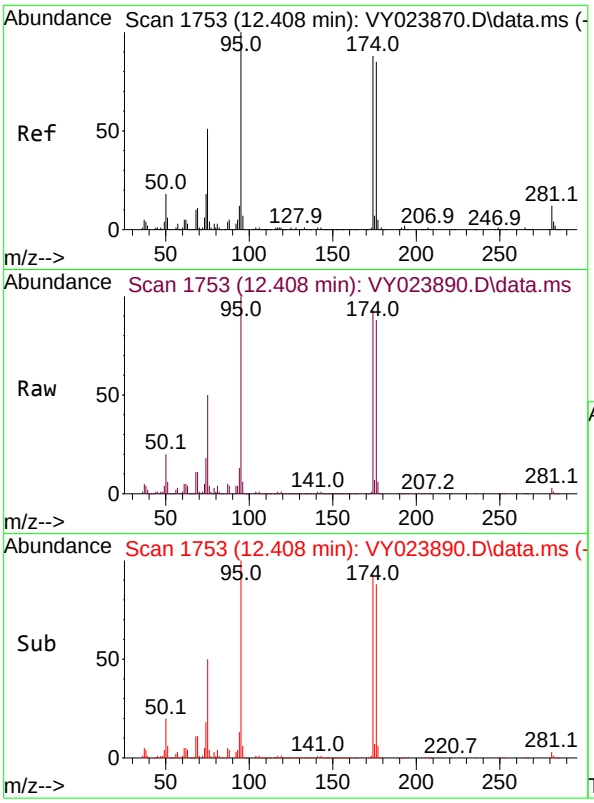


#50
Toluene-d8
Concen: 46.337 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Tgt Ion: 98 Resp: 1529804

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



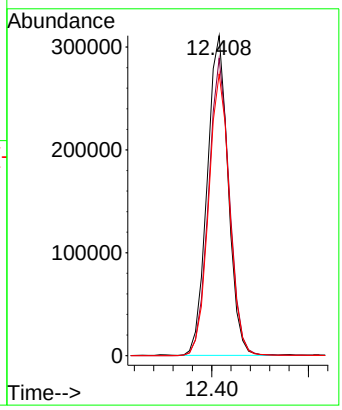


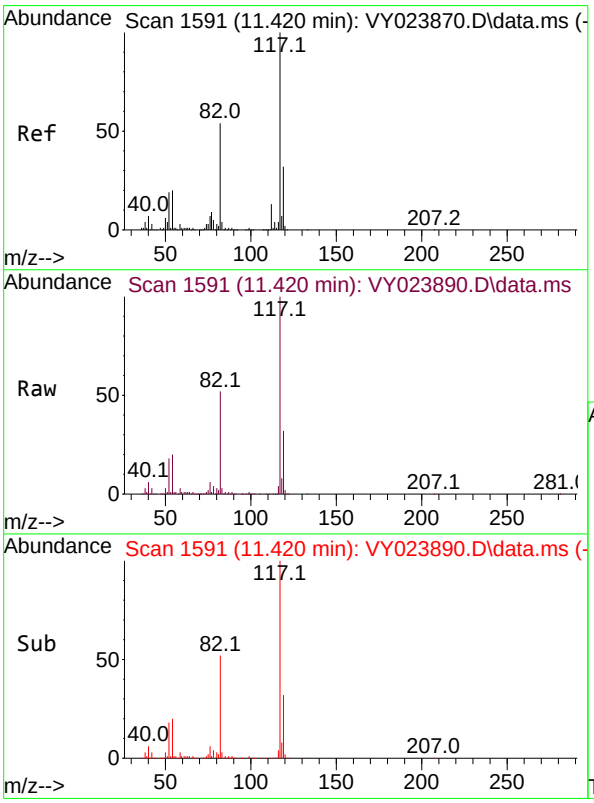
#62
4-Bromofluorobenzene
Concen: 41.472 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Tgt Ion: 95 Resp: 467005

Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	169.6
176	88.6	0.0	164.4

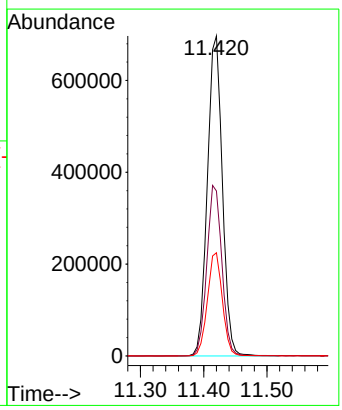


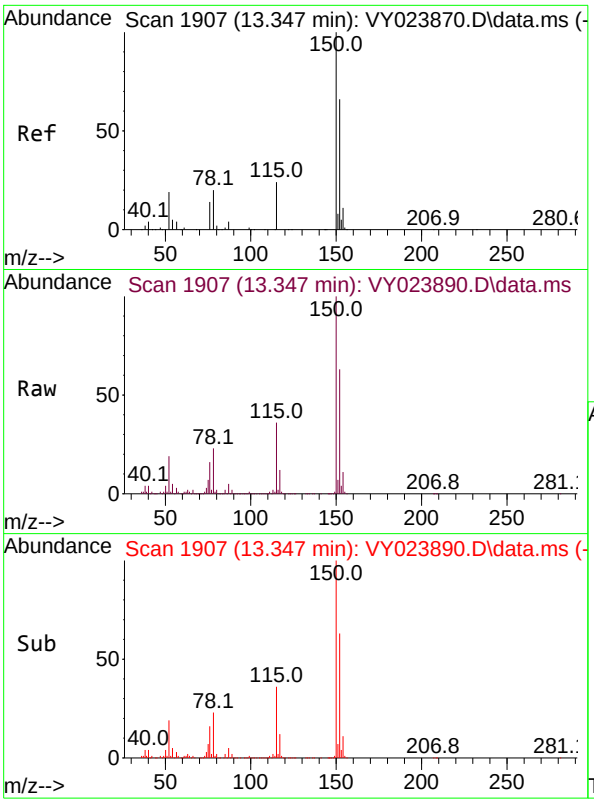


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Tgt Ion:117 Resp: 1144208

Ion	Ratio	Lower	Upper
117	100		
82	51.5	43.1	64.7
119	32.2	26.0	39.0



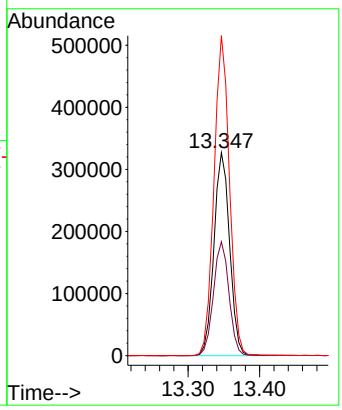


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY023890.D
Acq: 04 Dec 2025 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Tgt Ion:152 Resp: 497891

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.8	86.4
150	155.4	0.0	352.2



Sample Results: **VY023890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	343	354	363	rBV	26397	75060	1.87%	0.355%
2	4.616	466	475	487	rBV3	14462	48344	1.21%	0.229%
3	6.896	839	849	861	rBV2	33746	109689	2.74%	0.519%
4	7.640	959	971	977	rBV	578770	1402694	35.03%	6.643%
5	7.713	977	983	1000	rVB	935859	2112706	52.77%	10.005%
6	8.067	1027	1041	1052	rBV	505844	1200362	29.98%	5.685%
7	8.616	1122	1131	1149	rBV	1522240	2974654	74.30%	14.087%
8	10.109	1367	1376	1387	rBV	2405556	4003737	100.00%	18.960%
9	10.512	1436	1442	1449	rBV	42970	74557	1.86%	0.353%
10	10.877	1497	1502	1514	rVB	38613	70659	1.76%	0.335%
11	11.420	1583	1591	1605	rBV	2038348	3434602	85.78%	16.265%
12	12.408	1746	1753	1761	rBV	1638521	2528444	63.15%	11.974%
13	12.566	1775	1779	1786	rVB3	26762	49218	1.23%	0.233%
14	12.737	1800	1807	1821	rVB3	25916	78529	1.96%	0.372%
15	13.347	1900	1907	1914	rBV	1904990	2868334	71.64%	13.584%
16	13.664	1954	1959	1965	rBV6	21468	40639	1.02%	0.192%
17	14.176	2038	2043	2050	rBV7	17575	43974	1.10%	0.208%

Sum of corrected areas: 21116202

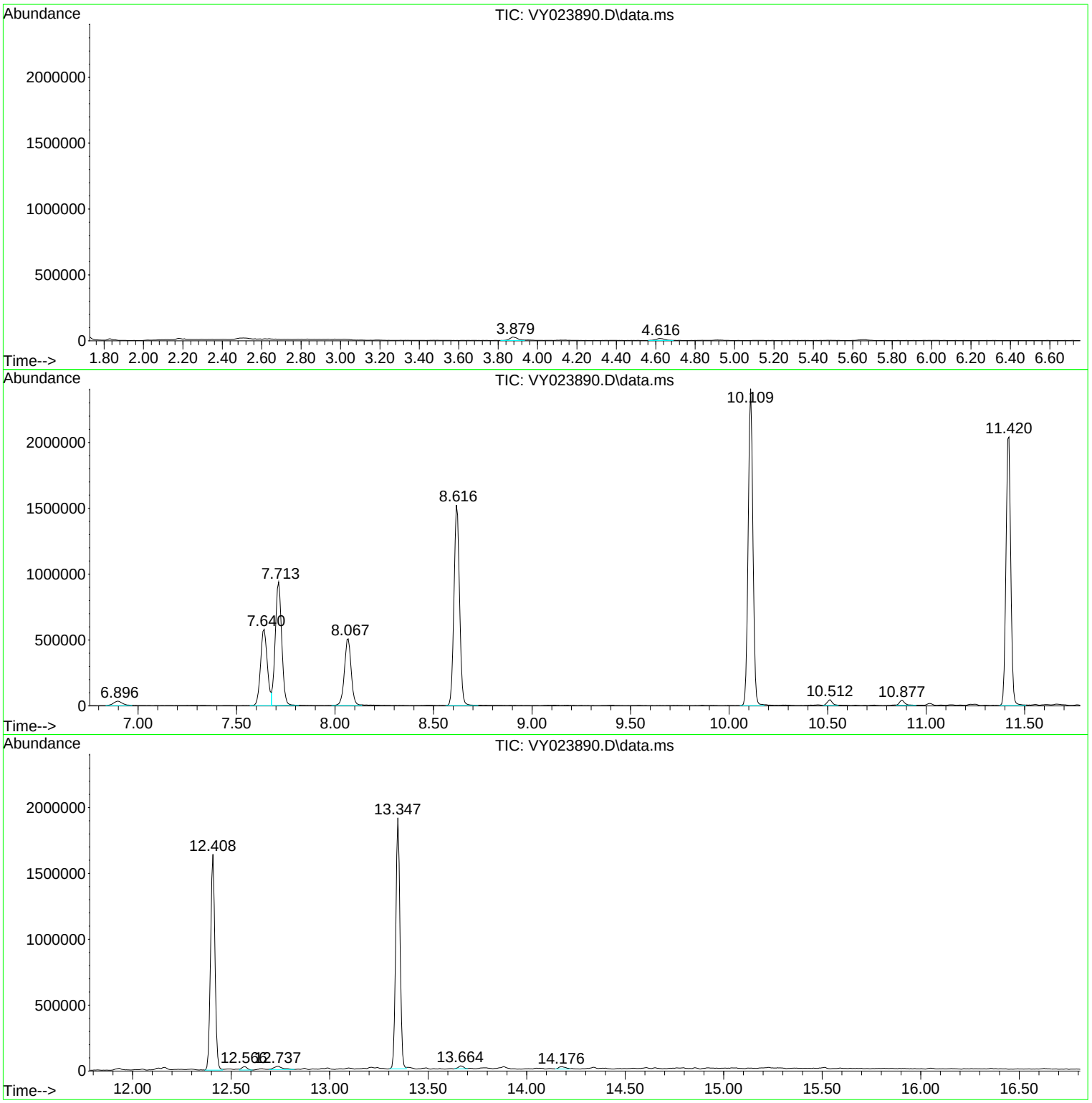
Sample Results: **VY023890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023890.D
Acq On : 04 Dec 2025 13:32
Operator : SY/MD
Sample : Q3742-18
Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-24

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3742

Instrument ID: MSVOA_Y Calibration Date(s): 11/26/2025 11/26/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:04 10:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023809.D RRF010 = VY023810.D RRF020 = VY023811.D
RRF050 = VY023812.D RRF100 = VY023813.D RRF150 = VY023814.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.422	0.412	0.414	0.340	0.339	0.334	0.377	11.4
Chloromethane	0.640	0.632	0.607	0.531	0.532	0.515	0.576	9.8
Vinyl Chloride	0.662	0.655	0.640	0.604	0.602	0.580	0.624	5.3
Bromomethane	0.543	0.480	0.439	0.386	0.402	0.390	0.440	14
Chloroethane	0.437	0.420	0.420	0.395	0.394	0.372	0.406	5.8
Trichlorofluoromethane	0.906	0.865	0.874	0.815	0.805	0.793	0.843	5.3
1,1,2-Trichlorotrifluoroethane	0.537	0.509	0.501	0.473	0.477	0.455	0.492	6
1,1-Dichloroethene	0.508	0.487	0.491	0.471	0.476	0.471	0.484	3
Acetone	0.148	0.138	0.137	0.135	0.150	0.133	0.140	5.1
Carbon Disulfide	1.644	1.610	1.618	1.519	1.521	1.461	1.562	4.6
Methyl tert-butyl Ether	1.182	1.158	1.200	1.242	1.355	1.287	1.237	6
Methyl Acetate	0.273	0.264	0.262	0.257	0.299	0.270	0.271	5.5
Methylene Chloride	0.755	0.662	0.582	0.530	0.530	0.500	0.593	16.5
trans-1,2-Dichloroethene	0.553	0.537	0.543	0.526	0.539	0.518	0.536	2.3
1,1-Dichloroethane	1.012	0.982	0.989	0.955	0.968	0.947	0.976	2.4
Cyclohexane	1.060	0.953	0.937	0.896	0.903	0.867	0.936	7.2
2-Butanone	0.169	0.163	0.163	0.169	0.192	0.171	0.171	6.4
Carbon Tetrachloride	0.514	0.490	0.502	0.494	0.507	0.483	0.498	2.3
cis-1,2-Dichloroethene	0.636	0.620	0.623	0.611	0.632	0.613	0.622	1.6
Bromochloromethane	0.437	0.400	0.405	0.399	0.408	0.386	0.406	4.2
Chloroform	1.025	0.991	0.996	0.961	0.969	0.943	0.981	3
1,1,1-Trichloroethane	0.893	0.885	0.882	0.851	0.869	0.844	0.871	2.3
Methylcyclohexane	0.598	0.572	0.591	0.604	0.631	0.603	0.600	3.2
Benzene	1.415	1.388	1.434	1.383	1.410	1.355	1.398	2
1,2-Dichloroethane	0.365	0.354	0.358	0.359	0.372	0.354	0.360	2
Trichloroethene	0.366	0.347	0.371	0.355	0.362	0.350	0.359	2.6
1,2-Dichloropropane	0.324	0.325	0.336	0.329	0.339	0.324	0.330	2
Bromodichloromethane	0.468	0.460	0.468	0.463	0.484	0.460	0.467	1.9
4-Methyl-2-Pentanone	0.183	0.185	0.199	0.219	0.252	0.223	0.210	12.6
Toluene	0.818	0.831	0.883	0.892	0.908	0.866	0.866	4.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3742

Instrument ID: MSVOA_Y Calibration Date(s): 11/26/2025 11/26/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:04 10:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023809.D RRF010 = VY023810.D RRF020 = VY023811.D
RRF050 = VY023812.D RRF100 = VY023813.D RRF150 = VY023814.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.399	0.394	0.415	0.438	0.473	0.450	0.428	7.2
cis-1,3-Dichloropropene	0.488	0.489	0.509	0.516	0.548	0.526	0.512	4.5
1,1,2-Trichloroethane	0.233	0.230	0.235	0.242	0.257	0.240	0.240	4
2-Hexanone	0.131	0.135	0.147	0.162	0.190	0.167	0.155	14.2
Dibromochloromethane	0.305	0.308	0.321	0.322	0.347	0.326	0.321	4.7
1,2-Dibromoethane	0.218	0.207	0.219	0.220	0.243	0.226	0.222	5.4
Tetrachloroethene	0.525	0.455	0.510	0.470	0.442	0.445	0.474	7.4
Chlorobenzene	1.100	1.091	1.118	1.093	1.109	1.074	1.098	1.4
Ethyl Benzene	1.779	1.789	1.887	1.918	1.967	1.907	1.875	4
m/p-Xylenes	0.676	0.695	0.739	0.743	0.754	0.728	0.722	4.2
o-Xylene	0.633	0.643	0.679	0.690	0.724	0.695	0.677	5
Styrene	0.995	1.047	1.117	1.162	1.210	1.163	1.116	7.2
Bromoform	0.214	0.209	0.209	0.216	0.237	0.221	0.217	4.9
Isopropylbenzene	3.390	3.431	3.571	3.610	3.701	3.590	3.549	3.3
1,1,2,2-Tetrachloroethane	0.580	0.573	0.524	0.576	0.654	0.599	0.584	7.2
1,3-Dichlorobenzene	1.696	1.674	1.670	1.654	1.698	1.645	1.673	1.3
1,4-Dichlorobenzene	1.798	1.678	1.645	1.635	1.662	1.601	1.670	4.1
1,2-Dichlorobenzene	1.489	1.439	1.456	1.460	1.501	1.431	1.463	1.9
1,2-Dibromo-3-Chloropropane	0.104	0.094	0.085	0.095	0.110	0.100	0.098	8.7
1,2,4-Trichlorobenzene	0.855	0.777	0.835	0.877	0.949	0.940	0.872	7.5
1,2,3-Trichlorobenzene	0.711	0.658	0.710	0.740	0.817	0.820	0.743	8.7
1,2-Dichloroethane-d4	0.508	0.478	0.483	0.492	0.486	0.475	0.487	2.5
Dibromofluoromethane	0.299	0.285	0.297	0.303	0.299	0.295	0.296	2.1
Toluene-d8	1.161	1.125	1.183	1.212	1.209	1.170	1.176	2.8
4-Bromofluorobenzene	0.388	0.362	0.381	0.395	0.406	0.390	0.387	3.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y112625S.M
Title : SW846 8260
Last Update : Thu Nov 27 01:14:36 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023809.D 10 =VY023810.D 20 =VY023811.D 50 =VY023812.D 100 =VY023813.D 150 =VY023814.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.422	0.412	0.414	0.340	0.339	0.334	0.377	11.45
3)	P	Chloromethane	0.640	0.632	0.607	0.531	0.532	0.515	0.576	9.78
4)	C	Vinyl Chloride	0.662	0.655	0.640	0.604	0.602	0.580	0.624	5.32#
5)	T	Bromomethane	0.543	0.480	0.439	0.386	0.402	0.390	0.440	14.04
6)	T	Chloroethane	0.437	0.420	0.420	0.395	0.394	0.372	0.406	5.78
7)	T	Trichlorofluor...	0.906	0.865	0.874	0.815	0.805	0.793	0.843	5.34
8)	T	Diethyl Ether	0.276	0.250	0.264	0.261	0.275	0.267	0.266	3.53
9)	T	1,1,2-Trichlor...	0.537	0.509	0.501	0.473	0.477	0.455	0.492	6.01
10)	T	Methyl Iodide	0.481	0.512	0.534	0.582	0.585	0.541	0.539	7.45
11)	T	Tert butyl alc...	0.053	0.040	0.037	0.034	0.041	0.035	0.040	17.70
12)	CM	1,1-Dichloroet...	0.508	0.487	0.491	0.471	0.476	0.471	0.484	2.99#
13)	T	Acrolein	0.060	0.053	0.056	0.056	0.060	0.059	0.057	4.95
14)	T	Allyl chloride	0.757	0.732	0.778	0.768	0.793	0.773	0.767	2.73
15)	T	Acrylonitrile	0.109	0.106	0.111	0.115	0.128	0.118	0.115	6.88
16)	T	Acetone	0.148	0.138	0.137	0.135	0.150	0.133	0.140	5.11
17)	T	Carbon Disulfide	1.644	1.610	1.618	1.519	1.521	1.461	1.562	4.61
18)	T	Methyl Acetate	0.273	0.264	0.262	0.257	0.299	0.270	0.271	5.52
19)	T	Methyl tert-bu...	1.182	1.158	1.200	1.242	1.355	1.287	1.237	5.95
20)	T	Methylene Chlo...	0.755	0.662	0.582	0.530	0.530	0.500	0.593	16.49
21)	T	trans-1,2-Dich...	0.553	0.537	0.543	0.526	0.539	0.518	0.536	2.29
22)	T	Diisopropyl ether	1.573	1.622	1.710	1.688	1.725	1.631	1.658	3.55
23)	T	Vinyl Acetate	0.839	0.849	0.907	0.959	1.028	0.951	0.922	7.83
24)	P	1,1-Dichloroet...	1.012	0.982	0.989	0.955	0.968	0.947	0.976	2.44
25)	T	2-Butanone	0.169	0.163	0.163	0.169	0.192	0.171	0.171	6.36
26)	T	2,2-Dichloropr...	0.936	0.888	0.857	0.838	0.850	0.819	0.865	4.83
27)	T	cis-1,2-Dichlo...	0.636	0.620	0.623	0.611	0.632	0.613	0.622	1.59
28)	T	Bromochloromet...	0.437	0.400	0.405	0.399	0.408	0.386	0.406	4.17
29)	T	Tetrahydrofuran	0.090	0.085	0.090	0.098	0.112	0.099	0.095	10.05
30)	C	Chloroform	1.025	0.991	0.996	0.961	0.969	0.943	0.981	2.97#
31)	T	Cyclohexane	1.060	0.953	0.937	0.896	0.903	0.867	0.936	7.24
32)	T	1,1,1-Trichlor...	0.893	0.885	0.882	0.851	0.869	0.844	0.871	2.28
33)	S	1,2-Dichloroet...	0.508	0.478	0.483	0.492	0.486	0.475	0.487	2.47
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.299	0.285	0.297	0.303	0.299	0.295	0.296	2.12
36)	T	1,1-Dichloropr...	0.455	0.446	0.462	0.451	0.466	0.444	0.454	1.90
37)	T	Ethyl Acetate	0.209	0.185	0.210	0.217	0.243	0.218	0.214	8.68
38)	T	Carbon Tetrach...	0.514	0.490	0.502	0.494	0.507	0.483	0.498	2.30
39)	T	Methylcyclohexane	0.598	0.572	0.591	0.604	0.631	0.603	0.600	3.22
40)	TM	Benzene	1.415	1.388	1.434	1.383	1.410	1.355	1.398	2.00
41)	T	Methacrylonitrile	0.112	0.090	0.109	0.104	0.115	0.109	0.107	8.32
42)	TM	1,2-Dichloroet...	0.365	0.354	0.358	0.359	0.372	0.354	0.360	1.97
43)	T	Isopropyl Acetate	0.373	0.354	0.374	0.407	0.465	0.421	0.399	10.15
44)	TM	Trichloroethene	0.366	0.347	0.371	0.355	0.362	0.350	0.359	2.63
45)	C	1,2-Dichloropr...	0.324	0.325	0.336	0.329	0.339	0.324	0.330	1.99#
46)	T	Dibromomethane	0.176	0.169	0.182	0.178	0.190	0.178	0.179	3.87
47)	T	Bromodichlorom...	0.468	0.460	0.468	0.463	0.484	0.460	0.467	1.89
48)	T	Methyl methacr...	0.154	0.163	0.179	0.199	0.224	0.208	0.188	14.38
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	11.97
50)	S	Toluene-d8	1.161	1.125	1.183	1.212	1.209	1.170	1.176	2.76
51)	T	4-Methyl-2-Pen...	0.183	0.185	0.199	0.219	0.252	0.223	0.210	12.64
52)	CM	Toluene	0.818	0.831	0.883	0.892	0.908	0.866	0.866	4.11#
53)	T	t-1,3-Dichloro...	0.399	0.394	0.415	0.438	0.473	0.450	0.428	7.24
54)	T	cis-1,3-Dichlo...	0.488	0.489	0.509	0.516	0.548	0.526	0.512	4.47
55)	T	1,1,2-Trichlor...	0.233	0.230	0.235	0.242	0.257	0.240	0.240	4.00
56)	T	Ethyl methacry...	0.246	0.264	0.289	0.335	0.389	0.363	0.314	18.10

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y112625S.M

57)	T	1,3-Dichloropr...	0.410	0.388	0.411	0.422	0.453	0.423	0.418	5.13
58)	T	2-Chloroethyl ...	0.126	0.125	0.143	0.157	0.182	0.173	0.151	15.83
59)	T	2-Hexanone	0.131	0.135	0.147	0.162	0.190	0.167	0.155	14.19
60)	T	Dibromochlorom...	0.305	0.308	0.321	0.322	0.347	0.326	0.321	4.66
61)	T	1,2-Dibromoethane	0.218	0.207	0.219	0.220	0.243	0.226	0.222	5.36
62)	S	4-Bromofluorob...	0.388	0.362	0.381	0.395	0.406	0.390	0.387	3.81
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.525	0.455	0.510	0.470	0.442	0.445	0.474	7.39
65)	PM	Chlorobenzene	1.100	1.091	1.118	1.093	1.109	1.074	1.098	1.41
66)	T	1,1,1,2-Tetrac...	0.375	0.369	0.378	0.370	0.379	0.367	0.373	1.30
67)	C	Ethyl Benzene	1.779	1.789	1.887	1.918	1.967	1.907	1.875	4.00#
68)	T	m/p-Xylenes	0.676	0.695	0.739	0.743	0.754	0.728	0.722	4.23
69)	T	o-Xylene	0.633	0.643	0.679	0.690	0.724	0.695	0.677	5.04
70)	T	Styrene	0.995	1.047	1.117	1.162	1.210	1.163	1.116	7.23
71)	P	Bromoform	0.214	0.209	0.209	0.216	0.237	0.221	0.217	4.85
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.390	3.431	3.571	3.610	3.701	3.590	3.549	3.29
74)	T	N-amyl acetate	0.674	0.683	0.732	0.829	0.955	0.884	0.793	14.46
75)	P	1,1,2,2-Tetrac...	0.580	0.573	0.524	0.576	0.654	0.599	0.584	7.23
76)	T	1,2,3-Trichlor...	0.433	0.421	0.421	0.443	0.459	0.431	0.435	3.33
77)	T	Bromobenzene	0.853	0.803	0.831	0.824	0.864	0.832	0.835	2.59
78)	T	n-propylbenzene	4.145	4.171	4.298	4.354	4.441	4.227	4.272	2.65
79)	T	2-Chlorotoluene	2.424	2.415	2.477	2.468	2.537	2.432	2.459	1.86
80)	T	1,3,5-Trimethy...	2.752	2.833	2.889	2.968	3.022	2.917	2.897	3.33
81)	T	trans-1,4-Dich...	0.183	0.196	0.191	0.207	0.237	0.221	0.206	9.76
82)	T	4-Chlorotoluene	2.476	2.496	2.542	2.559	2.590	2.490	2.525	1.78
83)	T	tert-Butylbenzene	2.516	2.443	2.587	2.642	2.784	2.642	2.602	4.53
84)	T	1,2,4-Trimethy...	2.707	2.817	2.933	2.962	3.046	2.905	2.895	4.09
85)	T	sec-Butylbenzene	3.766	3.693	3.840	3.936	4.003	3.812	3.842	2.94
86)	T	p-Isopropyltol...	3.072	3.084	3.201	3.315	3.371	3.224	3.211	3.74
87)	T	1,3-Dichlorobe...	1.696	1.674	1.670	1.654	1.698	1.645	1.673	1.29
88)	T	1,4-Dichlorobe...	1.798	1.678	1.645	1.635	1.661	1.601	1.670	4.07
89)	T	n-Butylbenzene	2.804	2.737	2.895	3.054	3.144	3.031	2.944	5.36
90)	T	Hexachloroethane	0.712	0.678	0.659	0.662	0.683	0.655	0.675	3.18
91)	T	1,2-Dichlorobe...	1.489	1.439	1.456	1.460	1.501	1.431	1.463	1.89
92)	T	1,2-Dibromo-3-...	0.104	0.094	0.085	0.095	0.110	0.100	0.098	8.67
93)	T	1,2,4-Trichlor...	0.855	0.777	0.835	0.877	0.949	0.940	0.872	7.48
94)	T	Hexachlorobuta...	0.587	0.539	0.531	0.529	0.545	0.528	0.543	4.14
95)	T	Naphthalene	1.202	1.170	1.301	1.527	1.836	1.790	1.471	19.93
96)	T	1,2,3-Trichlor...	0.711	0.658	0.710	0.740	0.817	0.820	0.743	8.69

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:55:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	532129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	866822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	350642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27044	5.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.440%#		
35) Dibromofluoromethane	7.634	113	25931	5.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.100%#		
50) Toluene-d8	10.109	98	100595	4.932	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.860%#		
62) 4-Bromofluorobenzene	12.401	95	33655	5.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.020%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22458	5.600	ug/l	96
3) Chloromethane	2.074	50	34081	5.555	ug/l	99
4) Vinyl Chloride	2.208	62	35243	5.310	ug/l	95
5) Bromomethane	2.598	94	28883	6.169	ug/l	92
6) Chloroethane	2.739	64	23232	5.371	ug/l	91
7) Trichlorofluoromethane	3.068	101	48226	5.375	ug/l	97
8) Diethyl Ether	3.458	74	14681	5.195	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	28577	5.457	ug/l	100
10) Methyl Iodide	4.000	142	25593	4.460	ug/l	99
11) Tert butyl alcohol	4.860	59	14209m	33.385	ug/l	
12) 1,1-Dichloroethene	3.799	96	27047	5.250	ug/l	92
13) Acrolein	3.659	56	16096	26.308	ug/l	99
14) Allyl chloride	4.391	41	40290	4.936	ug/l	98
15) Acrylonitrile	5.067	53	29006	23.781	ug/l	96
16) Acetone	3.872	43	39498	26.455	ug/l	100
17) Carbon Disulfide	4.110	76	87477	5.261	ug/l	97
18) Methyl Acetate	4.391	43	14515	5.034	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	62884	4.776	ug/l	96
20) Methylene Chloride	4.616	84	40177	6.365	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	29429	5.159	ug/l	95
22) Diisopropyl ether	6.012	45	83725	4.744	ug/l #	84
23) Vinyl Acetate	5.964	43	223175	22.741	ug/l	100
24) 1,1-Dichloroethane	5.915	63	53844	5.186	ug/l	100
25) 2-Butanone	6.896	43	44989	24.691	ug/l	94
26) 2,2-Dichloropropane	6.890	77	49810	5.413	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	33832	5.107	ug/l	98
28) Bromochloromethane	7.244	49	23235	5.380	ug/l	99
29) Tetrahydrofuran	7.268	42	23903	23.520	ug/l	99
30) Chloroform	7.427	83	54536	5.224	ug/l	95
31) Cyclohexane	7.707	56	56393	5.660	ug/l #	77
32) 1,1,1-Trichloroethane	7.610	97	47530	5.129	ug/l	99
36) 1,1-Dichloropropene	7.841	75	39399	5.004	ug/l	98
37) Ethyl Acetate	6.994	43	18095	4.886	ug/l	97
38) Carbon Tetrachloride	7.817	117	44591	5.160	ug/l	96
39) Methylcyclohexane	9.103	83	51838	4.985	ug/l	93
40) Benzene	8.079	78	122693	5.064	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:55:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.238	41	9701m	5.125 ug/l	
42) 1,2-Dichloroethane	8.158	62	31668	5.070 ug/l	99
43) Isopropyl Acetate	8.201	43	32350	4.674 ug/l #	88
44) Trichloroethene	8.865	130	31758	5.109 ug/l	95
45) 1,2-Dichloropropane	9.140	63	28056	4.911 ug/l	95
46) Dibromomethane	9.231	93	15252	4.920 ug/l	98
47) Bromodichloromethane	9.426	83	40564	5.007 ug/l	96
48) Methyl methacrylate	9.225	41	13354	4.098 ug/l	93
49) 1,4-Dioxane	9.225	88	3210	92.402 ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	79196	21.738 ug/l	100
52) Toluene	10.170	92	70888	4.720 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	34548	4.656 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	42262	4.758 ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	20191	4.863 ug/l	94
56) Ethyl methacrylate	10.438	69	21354	3.917 ug/l	94
57) 1,3-Dichloropropane	10.719	76	35550	4.908 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54697	20.883 ug/l	99
59) 2-Hexanone	10.761	43	56863	21.107 ug/l	99
60) Dibromochloromethane	10.908	129	26404	4.739 ug/l	99
61) 1,2-Dibromoethane	11.011	107	18914	4.907 ug/l	97
64) Tetrachloroethene	10.646	164	38652	5.535 ug/l	97
65) Chlorobenzene	11.438	112	80968	5.011 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	27581	5.024 ug/l	98
67) Ethyl Benzene	11.517	91	130977	4.745 ug/l	98
68) m/p-Xylenes	11.627	106	99496	9.355 ug/l	99
69) o-Xylene	11.950	106	46612	4.675 ug/l	94
70) Styrene	11.969	104	73240	4.459 ug/l	99
71) Bromoform	12.133	173	15744	4.917 ug/l #	97
73) Isopropylbenzene	12.255	105	118872	4.777 ug/l	98
74) N-amyl acetate	12.072	43	23625	4.249 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	20330	4.962 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	15187m	5.000 ug/l	
77) Bromobenzene	12.529	156	29918	5.111 ug/l	97
78) n-propylbenzene	12.590	91	145340	4.851 ug/l	100
79) 2-Chlorotoluene	12.676	91	85012	4.930 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	96483	4.749 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6416	4.448 ug/l	86
82) 4-Chlorotoluene	12.773	91	86822	4.903 ug/l	96
83) tert-Butylbenzene	12.993	119	88226	4.834 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	94919	4.675 ug/l	99
85) sec-Butylbenzene	13.170	105	132038	4.901 ug/l	100
86) p-Isopropyltoluene	13.291	119	107702	4.783 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	59468	5.069 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	63039	5.383 ug/l	95
89) n-Butylbenzene	13.615	91	98307	4.761 ug/l	99
90) Hexachloroethane	13.877	117	24971	5.278 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	52221	5.090 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3631	5.295 ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	29977	4.901 ug/l	95
94) Hexachlorobutadiene	15.023	225	20588	5.405 ug/l	95
95) Naphthalene	15.145	128	42163	4.087 ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	24916	4.783 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:55:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

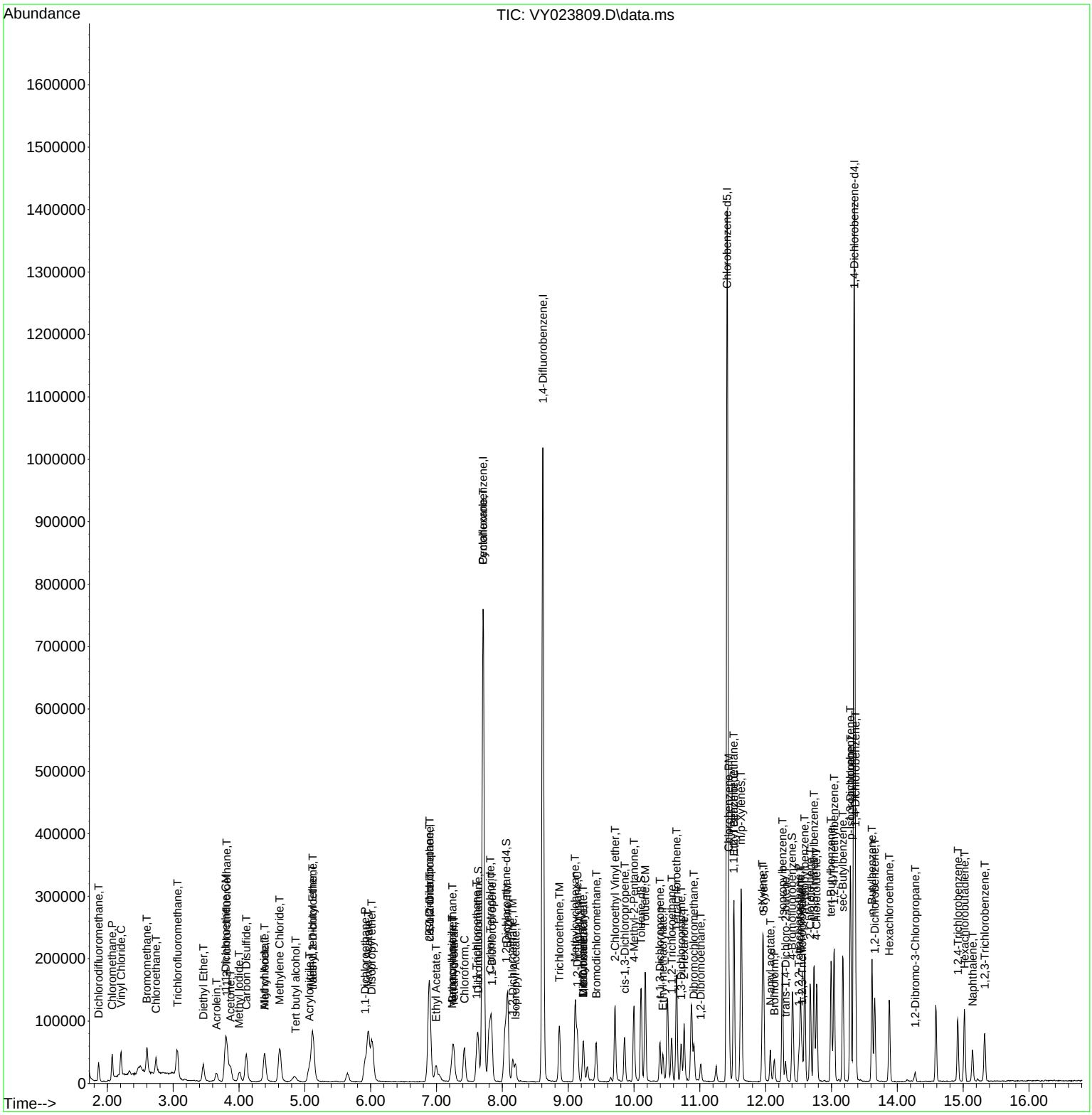
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 27 00:55:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023810.D
Acq On : 26 Nov 2025 08:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:56:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	564273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	913960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	777533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53928	9.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.620%#		
35) Dibromofluoromethane	7.640	113	52026	9.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.220%#		
50) Toluene-d8	10.109	98	205669	9.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.120%#		
62) 4-Bromofluorobenzene	12.408	95	66256	9.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	46524	10.940	ug/l	99
3) Chloromethane	2.074	50	71362	10.969	ug/l	96
4) Vinyl Chloride	2.208	62	73870	10.496	ug/l	100
5) Bromomethane	2.605	94	54197	10.917	ug/l	90
6) Chloroethane	2.745	64	47420	10.339	ug/l	96
7) Trichlorofluoromethane	3.068	101	97629	10.261	ug/l	97
8) Diethyl Ether	3.458	74	28269	9.433	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	57492	10.353	ug/l	100
10) Methyl Iodide	4.019	142	57800	9.498	ug/l	99
11) Tert butyl alcohol	4.860	59	22599	50.074	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	54946	10.057	ug/l	96
13) Acrolein	3.659	56	30054	46.323	ug/l	98
14) Allyl chloride	4.385	41	82586	9.542	ug/l	96
15) Acrylonitrile	5.067	53	59992	46.383	ug/l	99
16) Acetone	3.873	43	77696	49.074	ug/l	98
17) Carbon Disulfide	4.110	76	181723	10.307	ug/l	99
18) Methyl Acetate	4.391	43	29830	9.756	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	130676	9.360	ug/l	98
20) Methylene Chloride	4.622	84	74728	11.164	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	60632	10.024	ug/l	97
22) Diisopropyl ether	6.019	45	183008	9.779	ug/l	92
23) Vinyl Acetate	5.964	43	478803	46.009	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110784	10.063	ug/l	98
25) 2-Butanone	6.896	43	91948	47.588	ug/l	97
26) 2,2-Dichloropropane	6.890	77	100266	10.275	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70023	9.969	ug/l	99
28) Bromochloromethane	7.250	49	45144	9.858	ug/l	98
29) Tetrahydrofuran	7.268	42	47835	44.388	ug/l	100
30) Chloroform	7.421	83	111865	10.105	ug/l	99
31) Cyclohexane	7.707	56	107538	10.179	ug/l #	91
32) 1,1,1-Trichloroethane	7.622	97	99921	10.169	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81603	9.830	ug/l	99
37) Ethyl Acetate	6.994	43	33831	8.664	ug/l	96
38) Carbon Tetrachloride	7.817	117	89626	9.836	ug/l	98
39) Methylcyclohexane	9.109	83	104498	9.531	ug/l	95
40) Benzene	8.085	78	253670	9.930	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023810.D
Acq On : 26 Nov 2025 08:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:56:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16500	8.268	ug/l		95
42) 1,2-Dichloroethane	8.158	62	64652	9.817	ug/l		100
43) Isopropyl Acetate	8.201	43	64769	8.876	ug/l	#	89
44) Trichloroethene	8.866	130	63449	9.680	ug/l		92
45) 1,2-Dichloropropane	9.140	63	59454	9.871	ug/l		99
46) Dibromomethane	9.231	93	30950	9.470	ug/l		98
47) Bromodichloromethane	9.420	83	84139	9.851	ug/l		94
48) Methyl methacrylate	9.219	41	29866	8.693	ug/l		97
49) 1,4-Dioxane	9.231	88	6498	177.403	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.000	43	169218	44.052	ug/l		97
52) Toluene	10.170	92	151848	9.588	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	72089	9.214	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	89325	9.537	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	41995	9.592	ug/l		92
56) Ethyl methacrylate	10.438	69	48259	8.395	ug/l		98
57) 1,3-Dichloropropane	10.713	76	70951	9.290	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	113907	41.247	ug/l		99
59) 2-Hexanone	10.762	43	123369	43.431	ug/l		99
60) Dibromochloromethane	10.908	129	56287	9.581	ug/l		96
61) 1,2-Dibromoethane	11.012	107	37878	9.321	ug/l		99
64) Tetrachloroethene	10.646	164	70797	9.598	ug/l		98
65) Chlorobenzene	11.438	112	169636	9.939	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	57403	9.900	ug/l		99
67) Ethyl Benzene	11.518	91	278266	9.545	ug/l		99
68) m/p-Xylenes	11.627	106	216036	19.231	ug/l		99
69) o-Xylene	11.950	106	99916	9.487	ug/l		97
70) Styrene	11.969	104	162814	9.385	ug/l		99
71) Bromoform	12.133	173	32473	9.601	ug/l	#	97
73) Isopropylbenzene	12.255	105	258446	9.668	ug/l		100
74) N-amyl acetate	12.066	43	51482	8.620	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	43159	9.806	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	31717m	9.720	ug/l		
77) Bromobenzene	12.530	156	60506	9.623	ug/l		97
78) n-propylbenzene	12.591	91	314184	9.762	ug/l		99
79) 2-Chlorotoluene	12.676	91	181905	9.820	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	213425	9.780	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14733	9.507	ug/l		97
82) 4-Chlorotoluene	12.773	91	188018	9.883	ug/l		98
83) tert-Butylbenzene	12.993	119	184010	9.386	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	212245	9.731	ug/l		100
85) sec-Butylbenzene	13.170	105	278180	9.612	ug/l		100
86) p-Isopropyltoluene	13.292	119	232309	9.604	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	126076	10.004	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	126441	10.052	ug/l		97
89) n-Butylbenzene	13.615	91	206209	9.297	ug/l		100
90) Hexachloroethane	13.877	117	51040	10.043	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	108408	9.837	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7052	9.572	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	58552	8.911	ug/l		100
94) Hexachlorobutadiene	15.023	225	40570	9.915	ug/l		99
95) Naphthalene	15.139	128	88132	7.953	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	49571	8.858	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023810.D
Acq On : 26 Nov 2025 08:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:56:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

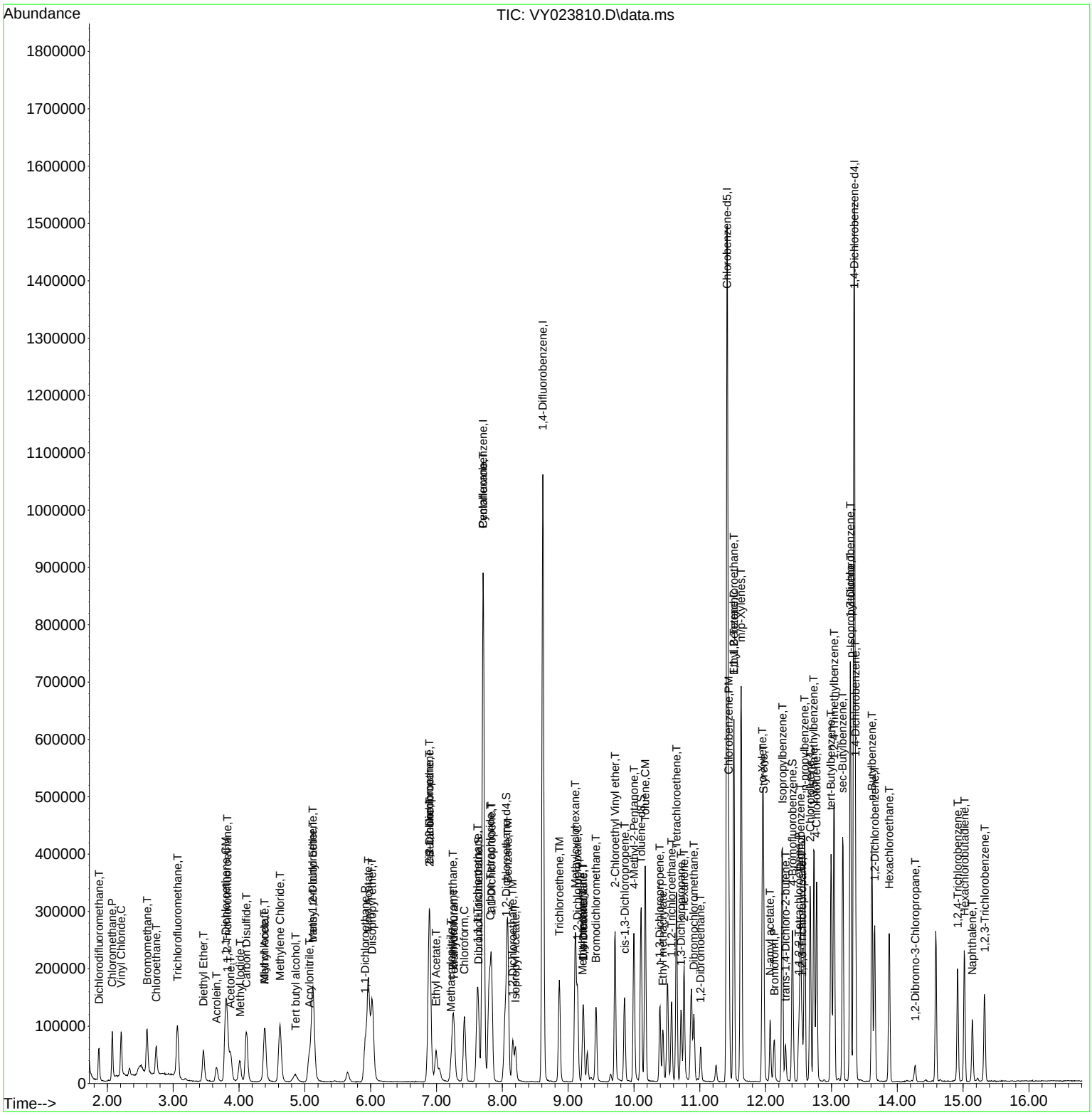
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023810.D
Acq On : 26 Nov 2025 08:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:56:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023811.D
Acq On : 26 Nov 2025 08:49
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	556743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	885764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	762209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107470	19.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.640%#		
35) Dibromofluoromethane	7.640	113	105212	20.051	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.100%#		
50) Toluene-d8	10.109	98	419040	20.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.220%#		
62) 4-Bromofluorobenzene	12.401	95	134901	19.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	92159	21.965	ug/l	98
3) Chloromethane	2.074	50	135209	21.064	ug/l	97
4) Vinyl Chloride	2.208	62	142424	20.511	ug/l	96
5) Bromomethane	2.592	94	97742	19.954	ug/l	100
6) Chloroethane	2.732	64	93605	20.685	ug/l	99
7) Trichlorofluoromethane	3.056	101	194642	20.733	ug/l	96
8) Diethyl Ether	3.452	74	58730	19.863	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	111667	20.381	ug/l	100
10) Methyl Iodide	4.007	142	119008	19.821	ug/l	99
11) Tert butyl alcohol	4.848	59	40736	91.481	ug/l	95
12) 1,1-Dichloroethene	3.793	96	109410	20.297	ug/l	99
13) Acrolein	3.659	56	61923	96.735	ug/l	98
14) Allyl chloride	4.385	41	173293	20.293	ug/l	99
15) Acrylonitrile	5.061	53	123452	96.738	ug/l	99
16) Acetone	3.872	43	152557	97.661	ug/l	98
17) Carbon Disulfide	4.110	76	360392	20.717	ug/l	99
18) Methyl Acetate	4.385	43	58271	19.316	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	267135	19.392	ug/l	99
20) Methylene Chloride	4.622	84	129636	19.630	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	120839	20.247	ug/l	96
22) Diisopropyl ether	6.018	45	380757	20.621	ug/l	99
23) Vinyl Acetate	5.964	43	1009741	98.340	ug/l	100
24) 1,1-Dichloroethane	5.915	63	220340	20.285	ug/l	98
25) 2-Butanone	6.896	43	181564	95.240	ug/l	98
26) 2,2-Dichloropropane	6.890	77	190759	19.812	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	138769	20.023	ug/l	99
28) Bromochloromethane	7.244	49	90230	19.970	ug/l	98
29) Tetrahydrofuran	7.262	42	100057	94.102	ug/l	99
30) Chloroform	7.421	83	221797	20.307	ug/l	97
31) Cyclohexane	7.701	56	208772	20.029	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	196476	20.265	ug/l	99
36) 1,1-Dichloropropene	7.835	75	163817	20.362	ug/l	99
37) Ethyl Acetate	6.988	43	74497	19.686	ug/l	99
38) Carbon Tetrachloride	7.817	117	177842	20.139	ug/l	96
39) Methylcyclohexane	9.109	83	209460	19.713	ug/l	99
40) Benzene	8.079	78	508024	20.520	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023811.D
Acq On : 26 Nov 2025 08:49
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Nov 27 00:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	38732	20.026	ug/l		92
42) 1,2-Dichloroethane	8.158	62	126790	19.865	ug/l		99
43) Isopropyl Acetate	8.195	43	132641	18.756	ug/l		99
44) Trichloroethene	8.865	130	131402	20.686	ug/l		92
45) 1,2-Dichloropropane	9.140	63	119131	20.409	ug/l		100
46) Dibromomethane	9.231	93	64634	20.406	ug/l		97
47) Bromodichloromethane	9.420	83	165883	20.039	ug/l		96
48) Methyl methacrylate	9.219	41	63502	19.072	ug/l		98
49) 1,4-Dioxane	9.225	88	12754	359.283	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	351650	94.458	ug/l		98
52) Toluene	10.170	92	312929	20.389	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	146889	19.371	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	180268	19.860	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	83309	19.634	ug/l		97
56) Ethyl methacrylate	10.438	69	102493	18.397	ug/l		100
57) 1,3-Dichloropropane	10.713	76	145459	19.652	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	253922	94.874	ug/l		99
59) 2-Hexanone	10.755	43	261283	94.910	ug/l		99
60) Dibromochloromethane	10.908	129	113709	19.971	ug/l		99
61) 1,2-Dibromoethane	11.011	107	77429	19.660	ug/l		98
64) Tetrachloroethene	10.646	164	155362	21.487	ug/l		98
65) Chlorobenzene	11.438	112	340825	20.371	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	115189	20.266	ug/l		98
67) Ethyl Benzene	11.517	91	575333	20.132	ug/l		100
68) m/p-Xylenes	11.627	106	450352	40.896	ug/l		99
69) o-Xylene	11.950	106	206970	20.047	ug/l		97
70) Styrene	11.969	104	340595	20.027	ug/l		99
71) Bromoform	12.127	173	63581	19.177	ug/l	#	98
73) Isopropylbenzene	12.255	105	546020	20.125	ug/l		100
74) N-amyl acetate	12.066	43	111944	18.468	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80160	17.945	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	64388m	19.443	ug/l		
77) Bromobenzene	12.529	156	127101	19.917	ug/l		99
78) n-propylbenzene	12.590	91	657150	20.118	ug/l		100
79) 2-Chlorotoluene	12.676	91	378773	20.147	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	441817	19.948	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29220	18.579	ug/l		97
82) 4-Chlorotoluene	12.773	91	388634	20.129	ug/l		97
83) tert-Butylbenzene	12.993	119	395625	19.883	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	448562	20.265	ug/l		100
85) sec-Butylbenzene	13.170	105	587207	19.993	ug/l		100
86) p-Isopropyltoluene	13.292	119	489495	19.939	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	255366	19.967	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	251601	19.708	ug/l		99
89) n-Butylbenzene	13.615	91	442694	19.666	ug/l		100
90) Hexachloroethane	13.877	117	100778	19.538	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	222634	19.906	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13061	17.469	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	127613	19.137	ug/l		99
94) Hexachlorobutadiene	15.023	225	81242	19.563	ug/l		99
95) Naphthalene	15.139	128	198894	17.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	108628	19.127	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023811.D
Acq On : 26 Nov 2025 08:49
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

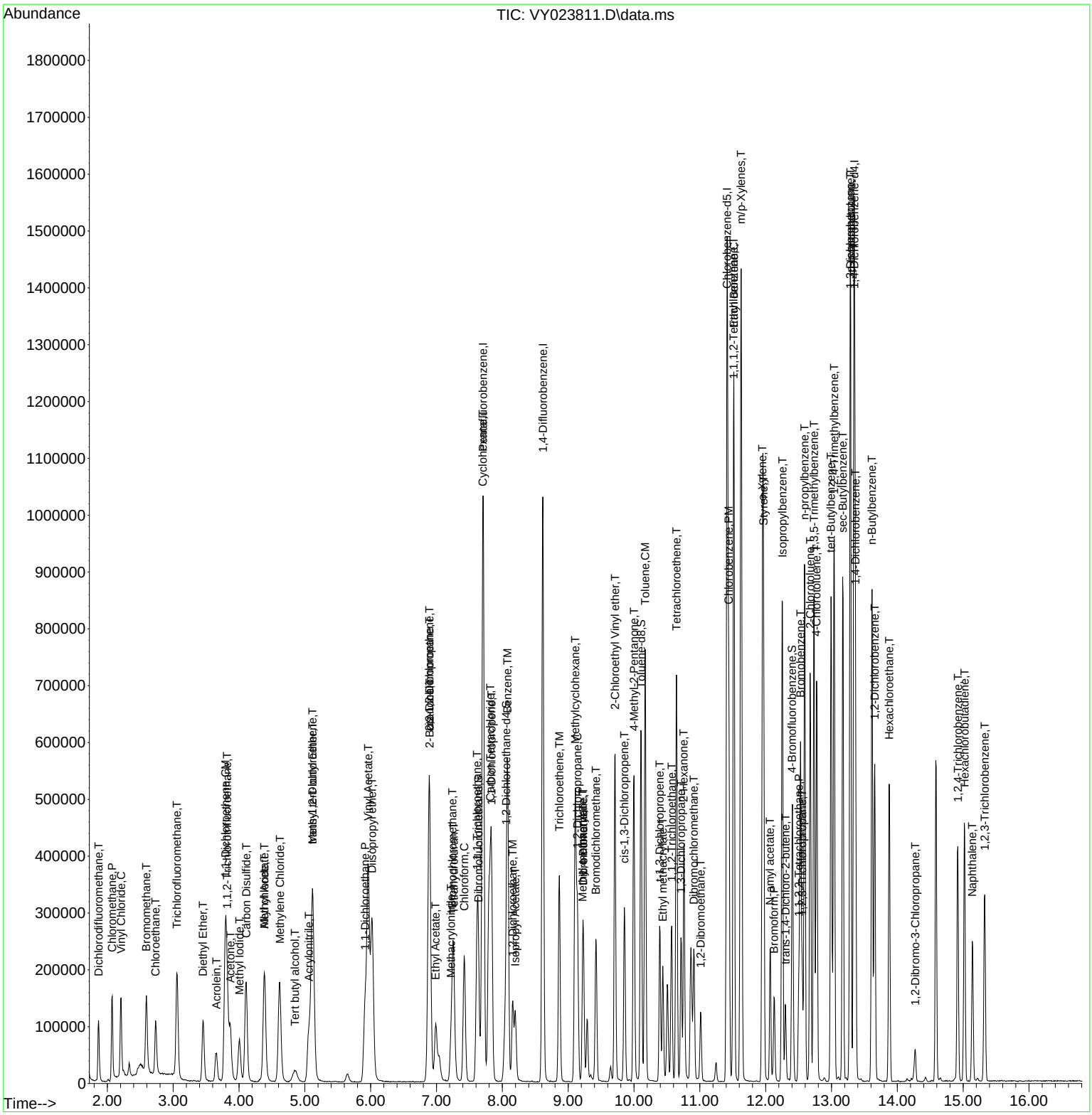
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023811.D
Acq On : 26 Nov 2025 08:49
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 27 00:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023812.D
Acq On : 26 Nov 2025 09:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 00:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	569944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	897275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	788206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	280509	50.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.634	113	271773	51.130	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.103	98	1087204	51.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.408	95	354001	50.959	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	193497	45.049	ug/l	100
3) Chloromethane	2.074	50	302832	46.085	ug/l	100
4) Vinyl Chloride	2.208	62	344155	48.415	ug/l	100
5) Bromomethane	2.598	94	219721	43.817	ug/l	100
6) Chloroethane	2.739	64	225351	48.645	ug/l	100
7) Trichlorofluoromethane	3.062	101	464314	48.313	ug/l	100
8) Diethyl Ether	3.452	74	148973	49.217	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	269379	48.026	ug/l	100
10) Methyl Iodide	4.007	142	331790	53.981	ug/l	100
11) Tert butyl alcohol	4.860	59	96336	211.332	ug/l	100
12) 1,1-Dichloroethene	3.793	96	268646	48.684	ug/l	100
13) Acrolein	3.653	56	160873	245.491	ug/l	100
14) Allyl chloride	4.385	41	437682	50.067	ug/l	100
15) Acrylonitrile	5.061	53	328696	251.602	ug/l	100
16) Acetone	3.866	43	386104	241.443	ug/l	100
17) Carbon Disulfide	4.110	76	865796	48.617	ug/l	100
18) Methyl Acetate	4.391	43	146747	47.518	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	707682	50.184	ug/l	100
20) Methylene Chloride	4.622	84	301790	44.639	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	299860	49.079	ug/l	100
22) Diisopropyl ether	6.018	45	962143	50.901	ug/l	100
23) Vinyl Acetate	5.964	43	2733456	260.049	ug/l	100
24) 1,1-Dichloroethane	5.915	63	544251	48.944	ug/l	100
25) 2-Butanone	6.896	43	480977	246.454	ug/l	100
26) 2,2-Dichloropropane	6.884	77	477444	48.439	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	348222	49.080	ug/l	100
28) Bromochloromethane	7.250	49	227548	49.194	ug/l	100
29) Tetrahydrofuran	7.262	42	278158	255.545	ug/l	100
30) Chloroform	7.421	83	547940	49.005	ug/l	100
31) Cyclohexane	7.701	56	510849	47.873	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	484886	48.854	ug/l	100
36) 1,1-Dichloropropene	7.835	75	404723	49.660	ug/l	100
37) Ethyl Acetate	6.988	43	194341	50.697	ug/l	100
38) Carbon Tetrachloride	7.817	117	443416	49.568	ug/l	100
39) Methylcyclohexane	9.109	83	541715	50.330	ug/l	100
40) Benzene	8.079	78	1241044	49.484	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023812.D
Acq On : 26 Nov 2025 09:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Nov 27 00:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	93022	47.478	ug/l	100
42) 1,2-Dichloroethane	8.158	62	321935	49.792	ug/l	100
43) Isopropyl Acetate	8.195	43	364953	50.945	ug/l	100
44) Trichloroethene	8.866	130	318148	49.441	ug/l	100
45) 1,2-Dichloropropane	9.140	63	295491	49.972	ug/l	100
46) Dibromomethane	9.231	93	159296	49.646	ug/l	100
47) Bromodichloromethane	9.420	83	415809	49.587	ug/l	100
48) Methyl methacrylate	9.219	41	178701	52.982	ug/l	100
49) 1,4-Dioxane	9.225	88	36440	1013.353	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	983275	260.732	ug/l	100
52) Toluene	10.170	92	800460	51.484	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	392658	51.118	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	462990	50.354	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	217262	50.548	ug/l	100
56) Ethyl methacrylate	10.438	69	300280	53.207	ug/l	100
57) 1,3-Dichloropropane	10.719	76	378679	50.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	704627	259.896	ug/l	100
59) 2-Hexanone	10.762	43	726972	260.683	ug/l	100
60) Dibromochloromethane	10.908	129	289218	50.144	ug/l	100
61) 1,2-Dibromoethane	11.018	107	197826	49.585	ug/l	100
64) Tetrachloroethene	10.646	164	370190	49.509	ug/l	100
65) Chlorobenzene	11.438	112	861821	49.812	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	291409	49.579	ug/l	100
67) Ethyl Benzene	11.517	91	1511745	51.154	ug/l	100
68) m/p-Xylenes	11.627	106	1171507	102.873	ug/l	100
69) o-Xylene	11.956	106	543887	50.944	ug/l	100
70) Styrene	11.969	104	916028	52.085	ug/l	100
71) Bromoform	12.133	173	170129	49.622	ug/l	100
73) Isopropylbenzene	12.255	105	1456356	50.863	ug/l	100
74) N-amyl acetate	12.072	43	334446	52.282	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	232224	49.261	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178780m	51.153	ug/l	
77) Bromobenzene	12.530	156	332397	49.355	ug/l	100
78) n-propylbenzene	12.597	91	1756464	50.952	ug/l	100
79) 2-Chlorotoluene	12.676	91	995768	50.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1197605	51.235	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	83618	50.378	ug/l	100
82) 4-Chlorotoluene	12.773	91	1032380	50.666	ug/l	100
83) tert-Butylbenzene	12.999	119	1065914	50.761	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1194899	51.151	ug/l	100
85) sec-Butylbenzene	13.176	105	1587946	51.229	ug/l	100
86) p-Isopropyltoluene	13.292	119	1337277	51.615	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	667107	49.424	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	659518	48.952	ug/l	100
89) n-Butylbenzene	13.615	91	1232045	51.863	ug/l	100
90) Hexachloroethane	13.877	117	266931	49.037	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	589140	49.913	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	38151	48.349	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	353935	50.293	ug/l	100
94) Hexachlorobutadiene	15.023	225	213425	48.697	ug/l	100
95) Naphthalene	15.145	128	615986	51.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	298647	49.827	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023812.D
Acq On : 26 Nov 2025 09:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

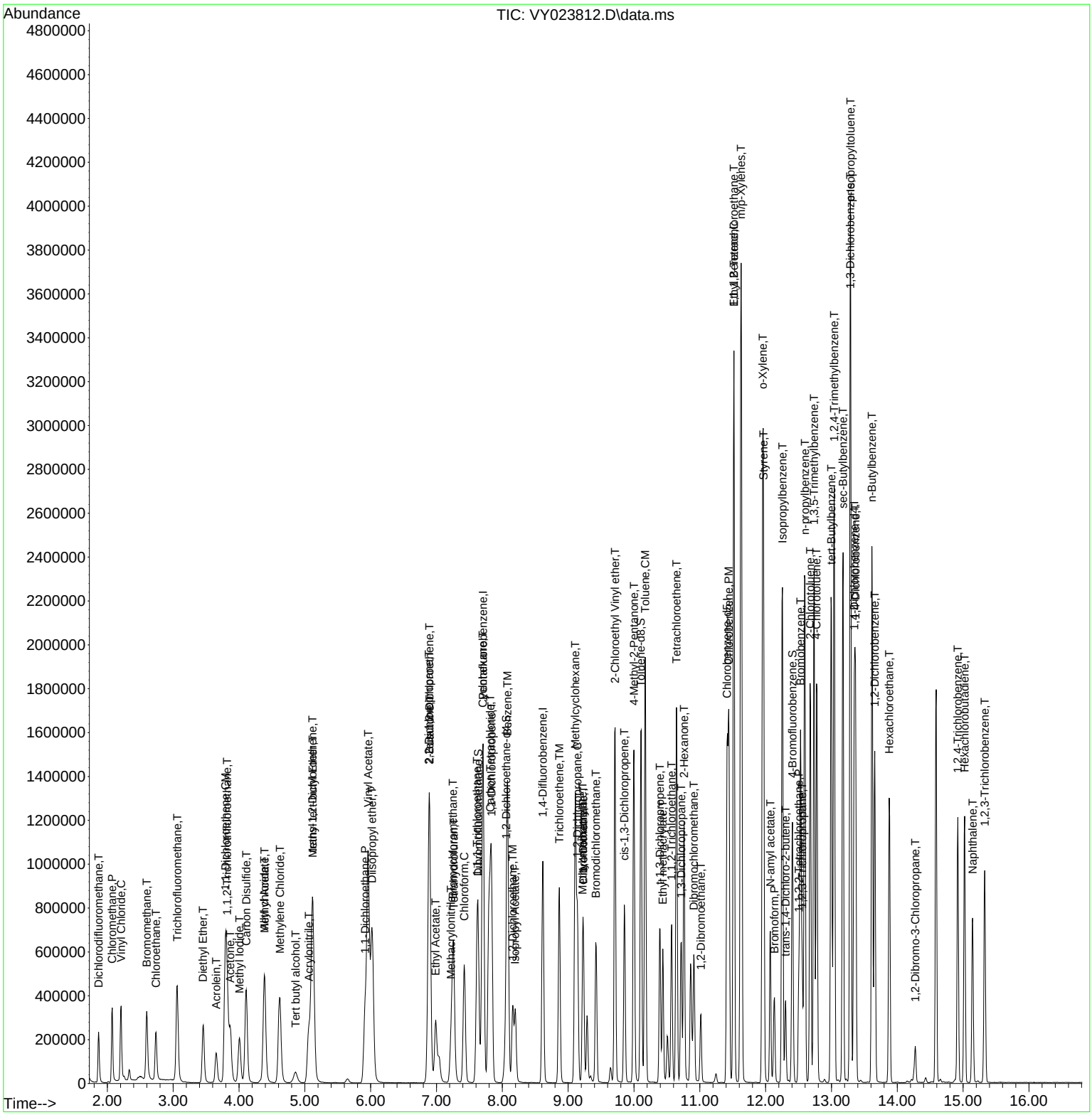
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023812.D
Acq On : 26 Nov 2025 09:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 00:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 27 00:59:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	597752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	936662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	843412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	580634	99.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.480%#			
35) Dibromofluoromethane	7.634	113	559842	100.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.800%#			
50) Toluene-d8	10.109	98	2265326	102.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 205.580%#			
62) 4-Bromofluorobenzene	12.402	95	761395	104.995	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 210.000%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	405722	90.064	ug/l	96
3) Chloromethane	2.074	50	636530	92.361	ug/l	99
4) Vinyl Chloride	2.208	62	719283	96.481	ug/l	99
5) Bromomethane	2.592	94	480036	91.276	ug/l	99
6) Chloroethane	2.739	64	471062	96.954	ug/l	100
7) Trichlorofluoromethane	3.062	101	962539	95.496	ug/l	98
8) Diethyl Ether	3.458	74	328405	103.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	569678	96.840	ug/l	98
10) Methyl Iodide	4.007	142	699139	108.456	ug/l	100
11) Tert butyl alcohol	4.866	59	242821	507.896	ug/l	100
12) 1,1-Dichloroethene	3.793	96	569043	98.325	ug/l	98
13) Acrolein	3.653	56	358931	522.245	ug/l	99
14) Allyl chloride	4.391	41	948399	103.442	ug/l	99
15) Acrylonitrile	5.061	53	766454	559.393	ug/l	99
16) Acetone	3.873	43	897316	535.016	ug/l	98
17) Carbon Disulfide	4.110	76	1818866	97.383	ug/l	99
18) Methyl Acetate	4.391	43	357818	110.474	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1619657	109.511	ug/l	99
20) Methylene Chloride	4.622	84	633854	89.395	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	643910	100.489	ug/l	100
22) Diisopropyl ether	6.025	45	2062665	104.046	ug/l	96
23) Vinyl Acetate	5.964	43	6145514	557.458	ug/l	99
24) 1,1-Dichloroethane	5.921	63	1157588	99.258	ug/l	98
25) 2-Butanone	6.896	43	1149970	561.837	ug/l	96
26) 2,2-Dichloropropane	6.890	77	1016493	98.331	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	755007	101.464	ug/l	99
28) Bromochloromethane	7.244	49	487526	100.497	ug/l	99
29) Tetrahydrofuran	7.262	42	668025	585.166	ug/l	99
30) Chloroform	7.421	83	1159007	98.833	ug/l	100
31) Cyclohexane	7.701	56	1079753	96.480	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	1038504	99.766	ug/l	100
36) 1,1-Dichloropropene	7.841	75	872975	102.612	ug/l	100
37) Ethyl Acetate	6.988	43	454311	113.530	ug/l	99
38) Carbon Tetrachloride	7.823	117	949580	101.686	ug/l	98
39) Methylcyclohexane	9.109	83	1181912	105.191	ug/l	98
40) Benzene	8.085	78	2641537	100.896	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 27 00:59:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	215840	105.532	ug/l		94
42) 1,2-Dichloroethane	8.158	62	696886	103.250	ug/l		100
43) Isopropyl Acetate	8.195	43	871566	116.548	ug/l		99
44) Trichloroethene	8.866	130	678866	101.062	ug/l		98
45) 1,2-Dichloropropane	9.140	63	634600	102.807	ug/l		99
46) Dibromomethane	9.231	93	355888	106.252	ug/l		99
47) Bromodichloromethane	9.420	83	906225	103.527	ug/l		96
48) Methyl methacrylate	9.219	41	419685	119.198	ug/l		98
49) 1,4-Dioxane	9.231	88	88895	2368.112	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	2361341	599.821	ug/l		99
52) Toluene	10.170	92	1701789	104.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	886831	110.597	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	1025804	106.873	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	480783	107.155	ug/l		99
56) Ethyl methacrylate	10.438	69	728992	123.738	ug/l		99
57) 1,3-Dichloropropane	10.719	76	849242	108.503	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	1702898	601.687	ug/l		99
59) 2-Hexanone	10.756	43	1779023	611.110	ug/l		99
60) Dibromochloromethane	10.914	129	649228	107.829	ug/l		100
61) 1,2-Dibromoethane	11.012	107	455334	109.330	ug/l		99
64) Tetrachloroethene	10.646	164	744933	93.105	ug/l		98
65) Chlorobenzene	11.438	112	1871522	101.090	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	638745	101.559	ug/l		100
67) Ethyl Benzene	11.518	91	3318500	104.941	ug/l		99
68) m/p-Xylenes	11.627	106	2543178	208.706	ug/l		100
69) o-Xylene	11.950	106	1221395	106.915	ug/l		99
70) Styrene	11.969	104	2040807	108.445	ug/l		100
71) Bromoform	12.127	173	399426	108.876	ug/l	#	100
73) Isopropylbenzene	12.249	105	3180547	104.287	ug/l		99
74) N-amyl acetate	12.066	43	820749	120.457	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	562127	111.952	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	394480m	105.969	ug/l		
77) Bromobenzene	12.530	156	742728	103.539	ug/l		99
78) n-propylbenzene	12.591	91	3816360	103.936	ug/l		100
79) 2-Chlorotoluene	12.676	91	2180570	103.184	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	2597326	104.323	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	203291	114.988	ug/l		97
82) 4-Chlorotoluene	12.773	91	2225711	102.551	ug/l		99
83) tert-Butylbenzene	12.993	119	2392858	106.985	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	2617729	105.207	ug/l		99
85) sec-Butylbenzene	13.170	105	3440649	104.213	ug/l		100
86) p-Isopropyltoluene	13.286	119	2897085	104.982	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	1459661	101.530	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1427947	99.506	ug/l		100
89) n-Butylbenzene	13.615	91	2702445	106.802	ug/l		99
90) Hexachloroethane	13.877	117	586931	101.229	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1290309	102.632	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	94238	112.126	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	815534	108.798	ug/l		99
94) Hexachlorobutadiene	15.017	225	468190	100.295	ug/l		99
95) Naphthalene	15.139	128	1577765	124.808	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	702369	110.019	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:59:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

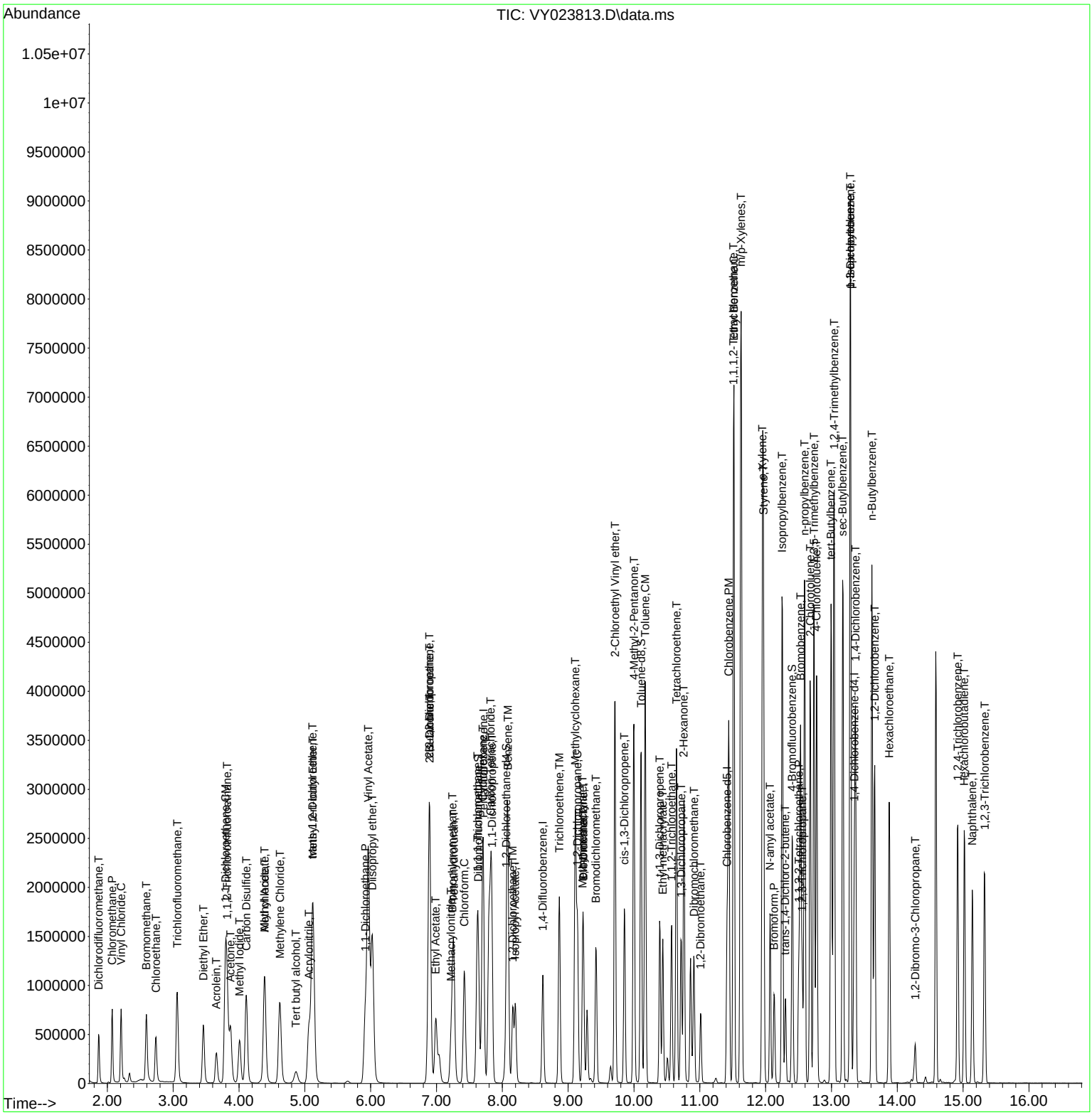
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 27 00:59:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023814.D
Acq On : 26 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	600698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	946959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	834229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	420425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	856046	146.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 292.680%#			
35) Dibromofluoromethane	7.634	113	837234	149.248	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 298.500%#			
50) Toluene-d8	10.109	98	3322724	149.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 298.240%#			
62) 4-Bromofluorobenzene	12.402	95	1108449	151.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 302.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	601715	132.916	ug/l	98
3) Chloromethane	2.068	50	928274	134.033	ug/l	99
4) Vinyl Chloride	2.208	62	1044707	139.444	ug/l	99
5) Bromomethane	2.586	94	703715	133.151	ug/l	100
6) Chloroethane	2.733	64	670264	137.277	ug/l	99
7) Trichlorofluoromethane	3.056	101	1429848	141.163	ug/l	99
8) Diethyl Ether	3.458	74	481277	150.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	820578	138.806	ug/l	99
10) Methyl Iodide	4.007	142	974572	150.442	ug/l	100
11) Tert butyl alcohol	4.860	59	319683	665.384	ug/l	99
12) 1,1-Dichloroethene	3.787	96	848390	145.874	ug/l	98
13) Acrolein	3.653	56	532210	770.569	ug/l	98
14) Allyl chloride	4.385	41	1393233	151.215	ug/l	99
15) Acrylonitrile	5.061	53	1062165	771.414	ug/l	99
16) Acetone	3.867	43	1198260	710.947	ug/l	99
17) Carbon Disulfide	4.104	76	2632645	140.262	ug/l	99
18) Methyl Acetate	4.385	43	486609	149.501	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	2319472	156.059	ug/l	98
20) Methylene Chloride	4.616	84	900300	126.350	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	934021	145.048	ug/l	98
22) Diisopropyl ether	6.019	45	2939745	147.561	ug/l	98
23) Vinyl Acetate	5.958	43	8572152	773.764	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1706556	145.612	ug/l	98
25) 2-Butanone	6.896	43	1540693	749.039	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1476118	142.093	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	1104064	147.646	ug/l	98
28) Bromochloromethane	7.244	49	695302	142.624	ug/l	97
29) Tetrahydrofuran	7.262	42	893027	778.423	ug/l	98
30) Chloroform	7.421	83	1698685	144.142	ug/l	99
31) Cyclohexane	7.701	56	1562743	138.952	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1520934	145.395	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1262718	146.809	ug/l	100
37) Ethyl Acetate	6.988	43	620680	153.419	ug/l	98
38) Carbon Tetrachloride	7.817	117	1372641	145.392	ug/l	99
39) Methylcyclohexane	9.110	83	1713475	150.843	ug/l	98
40) Benzene	8.079	78	3849599	145.441	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023814.D
Acq On : 26 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	311028	150.420	ug/l		95
42) 1,2-Dichloroethane	8.158	62	1005917	147.416	ug/l		100
43) Isopropyl Acetate	8.195	43	1196776	158.296	ug/l		100
44) Trichloroethene	8.866	130	994754	146.477	ug/l		98
45) 1,2-Dichloropropane	9.140	63	919872	147.402	ug/l		100
46) Dibromomethane	9.231	93	504506	148.984	ug/l		99
47) Bromodichloromethane	9.420	83	1306863	147.672	ug/l		97
48) Methyl methacrylate	9.219	41	590425	165.868	ug/l		98
49) 1,4-Dioxane	9.231	88	124481	3280.044	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	3170958	796.719	ug/l		98
52) Toluene	10.170	92	2460265	149.938	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	1277548	157.592	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	1493215	153.879	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	683158	150.604	ug/l		99
56) Ethyl methacrylate	10.439	69	1032641	173.374	ug/l		98
57) 1,3-Dichloropropane	10.719	76	1200769	151.747	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	2463679	861.030	ug/l		99
59) 2-Hexanone	10.756	43	2368612	804.792	ug/l		98
60) Dibromochloromethane	10.908	129	926239	152.165	ug/l		100
61) 1,2-Dibromoethane	11.012	107	643233	152.768	ug/l		98
64) Tetrachloroethene	10.646	164	1113104	140.652	ug/l		98
65) Chlorobenzene	11.438	112	2687113	146.742	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	918816	147.698	ug/l		99
67) Ethyl Benzene	11.518	91	4773051	152.600	ug/l		98
68) m/p-Xylenes	11.627	106	3645935	302.497	ug/l		99
69) o-Xylene	11.950	106	1738989	153.898	ug/l		99
70) Styrene	11.969	104	2910104	156.340	ug/l		99
71) Bromoform	12.133	173	553261	152.468	ug/l	#	99
73) Isopropylbenzene	12.255	105	4527406	151.730	ug/l		99
74) N-amyl acetate	12.066	43	1114480	167.182	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	755313	153.751	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	544238m	149.429	ug/l		
77) Bromobenzene	12.530	156	1049744	149.572	ug/l		100
78) n-propylbenzene	12.591	91	5331513	148.409	ug/l		100
79) 2-Chlorotoluene	12.676	91	3067460	148.359	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	3678919	151.031	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	278511	161.016	ug/l		96
82) 4-Chlorotoluene	12.774	91	3140270	147.888	ug/l		99
83) tert-Butylbenzene	12.993	119	3332737	152.301	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	3664408	150.528	ug/l		98
85) sec-Butylbenzene	13.176	105	4807442	148.829	ug/l		100
86) p-Isopropyltoluene	13.292	119	4065975	150.596	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	2075260	147.539	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	2018866	143.793	ug/l		100
89) n-Butylbenzene	13.615	91	3822638	154.412	ug/l		99
90) Hexachloroethane	13.877	117	825534	145.528	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1805086	146.751	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	126081	153.329	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	1185872	161.700	ug/l		99
94) Hexachlorobutadiene	15.023	225	666251	145.877	ug/l		99
95) Naphthalene	15.139	128	2257476	182.522	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	1034791	165.673	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023814.D
Acq On : 26 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

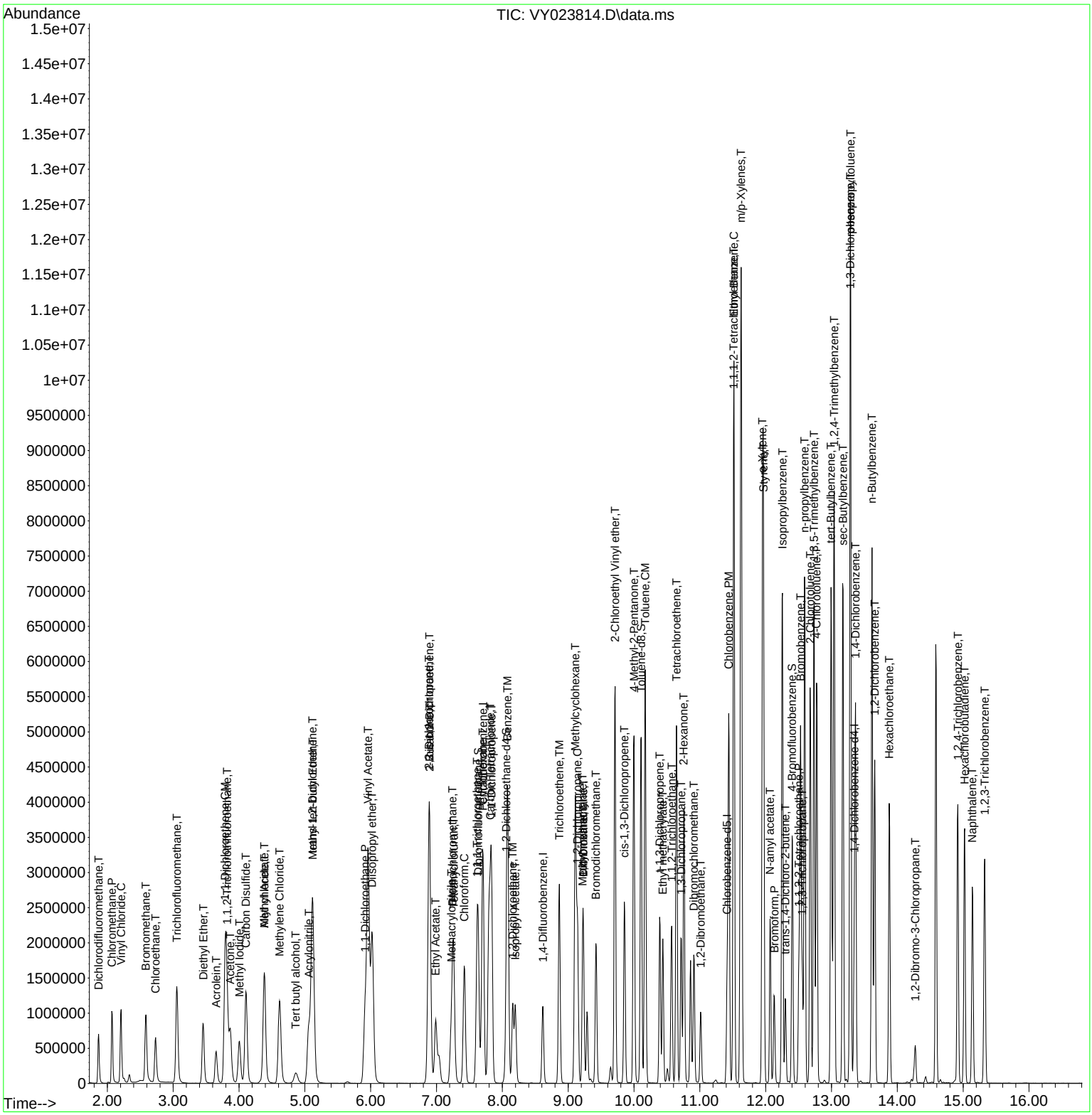
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023814.D
Acq On : 26 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 01:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 00:55:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	605213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	946786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	823538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	425396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291561	49.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.940%			
35) Dibromofluoromethane	7.634	113	283457	50.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.080%			
50) Toluene-d8	10.103	98	1142465	51.283	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.401	95	374049	51.029	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	199844	43.815	ug/l	97
3) Chloromethane	2.074	50	326559	46.800	ug/l	98
4) Vinyl Chloride	2.208	62	360242	47.725	ug/l	100
5) Bromomethane	2.598	94	240840	45.230	ug/l	97
6) Chloroethane	2.739	64	233552	47.477	ug/l	99
7) Trichlorofluoromethane	3.062	101	485263	47.551	ug/l	99
8) Diethyl Ether	3.458	74	157529	49.011	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	280967	47.173	ug/l	99
10) Methyl Iodide	4.007	142	310869	47.630	ug/l	100
11) Tert butyl alcohol	4.854	59	102898	212.573	ug/l	100
12) 1,1-Dichloroethene	3.793	96	284850	48.612	ug/l	100
13) Acrolein	3.653	56	163680	235.219	ug/l	99
14) Allyl chloride	4.385	41	462858	49.862	ug/l	99
15) Acrylonitrile	5.055	53	345475	249.035	ug/l	98
16) Acetone	3.872	43	401149	236.232	ug/l	99
17) Carbon Disulfide	4.110	76	904681	47.840	ug/l	100
18) Methyl Acetate	4.385	43	159839	48.741	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	755578	50.458	ug/l	99
20) Methylene Chloride	4.616	84	321179	44.739	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	316475	48.780	ug/l	99
22) Diisopropyl ether	6.018	45	1020554	50.845	ug/l	99
23) Vinyl Acetate	5.964	43	2908683	260.593	ug/l	99
24) 1,1-Dichloroethane	5.921	63	574662	48.667	ug/l	98
25) 2-Butanone	6.896	43	509151	245.687	ug/l	99
26) 2,2-Dichloropropane	6.884	77	504372	48.189	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	372903	49.496	ug/l	98
28) Bromochloromethane	7.250	49	246577	50.202	ug/l	100
29) Tetrahydrofuran	7.262	42	292492	253.054	ug/l	100
30) Chloroform	7.421	83	578168	48.695	ug/l	99
31) Cyclohexane	7.701	56	531720	46.925	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	512677	48.644	ug/l	100
36) 1,1-Dichloropropene	7.835	75	428863	49.871	ug/l	100
37) Ethyl Acetate	6.988	43	203185	50.232	ug/l	98
38) Carbon Tetrachloride	7.823	117	464341	49.193	ug/l	99
39) Methylcyclohexane	9.109	83	568218	50.031	ug/l	98
40) Benzene	8.079	78	1312371	49.591	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	96227	47.651	ug/l		94
42) 1,2-Dichloroethane	8.158	62	339650	49.784	ug/l		99
43) Isopropyl Acetate	8.201	43	391123	51.743	ug/l		100
44) Trichloroethene	8.865	130	339157	49.950	ug/l		98
45) 1,2-Dichloropropane	9.140	63	313901	50.309	ug/l		100
46) Dibromomethane	9.231	93	167417	49.448	ug/l		99
47) Bromodichloromethane	9.426	83	443038	50.071	ug/l		96
48) Methyl methacrylate	9.219	41	184165	51.747	ug/l		96
49) 1,4-Dioxane	9.225	88	38346	1010.592	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1058487	265.999	ug/l		100
52) Toluene	10.170	92	844866	51.499	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	419288	51.731	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	493811	50.897	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	229436	50.589	ug/l		98
56) Ethyl methacrylate	10.438	69	324025	54.412	ug/l		99
57) 1,3-Dichloropropane	10.719	76	399949	50.553	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	786072	274.774	ug/l		100
59) 2-Hexanone	10.761	43	775397	263.508	ug/l		100
60) Dibromochloromethane	10.908	129	308866	50.751	ug/l		100
61) 1,2-Dibromoethane	11.011	107	214926	51.054	ug/l		97
64) Tetrachloroethene	10.646	164	392925	50.295	ug/l		99
65) Chlorobenzene	11.438	112	903776	49.995	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	310931	50.631	ug/l		98
67) Ethyl Benzene	11.517	91	1605188	51.986	ug/l		100
68) m/p-Xylenes	11.627	106	1224804	102.939	ug/l		99
69) o-Xylene	11.950	106	576057	51.642	ug/l		99
70) Styrene	11.969	104	965758	52.557	ug/l		100
71) Bromoform	12.127	173	180986	50.524	ug/l	#	100
73) Isopropylbenzene	12.249	105	1536018	50.876	ug/l		100
74) N-amyl acetate	12.066	43	355965	52.774	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244226	49.133	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	187263m	50.621	ug/l		
77) Bromobenzene	12.529	156	351980	49.566	ug/l		100
78) n-propylbenzene	12.597	91	1836538	50.525	ug/l		100
79) 2-Chlorotoluene	12.676	91	1039622	49.694	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1253868	50.874	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	90392	51.648	ug/l		96
82) 4-Chlorotoluene	12.773	91	1076490	50.104	ug/l		100
83) tert-Butylbenzene	12.993	119	1130264	51.048	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1255424	50.968	ug/l		100
85) sec-Butylbenzene	13.176	105	1657174	50.703	ug/l		100
86) p-Isopropyltoluene	13.291	119	1388004	50.808	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	699537	49.152	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	695830	48.981	ug/l		99
89) n-Butylbenzene	13.615	91	1289715	51.488	ug/l		100
90) Hexachloroethane	13.877	117	282963	49.299	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	619921	49.810	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41331	49.676	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	373440	50.325	ug/l		99
94) Hexachlorobutadiene	15.023	225	228160	49.372	ug/l		98
95) Naphthalene	15.139	128	665577	53.185	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321532	50.877	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

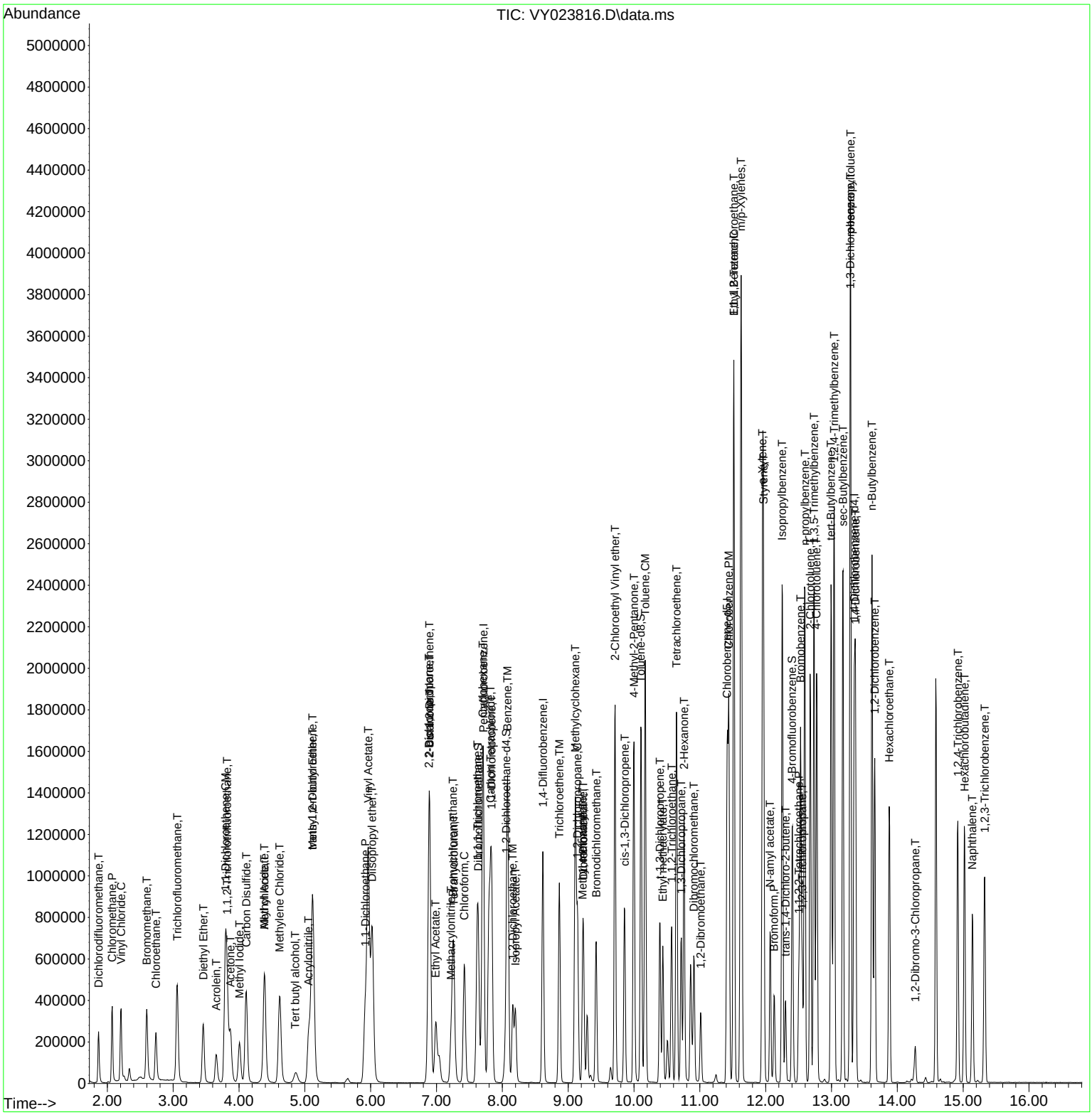
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
Supervised By :Mahesh Dadoda 12/02/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	0.377	0.330	12.5	103	0.00
3	P	Chloromethane	0.576	0.540	6.2	108	0.00
4	C	Vinyl Chloride	0.624	0.595	4.6#	105	0.00
5	T	Bromomethane	0.440	0.398	9.5	110	0.00
6	T	Chloroethane	0.406	0.386	4.9	104	0.00
7	T	Trichlorofluoromethane	0.843	0.802	4.9	105	0.00
8	T	Diethyl Ether	0.266	0.260	2.3	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.492	0.464	5.7	104	0.00
10	T	Methyl Iodide	0.539	0.514	4.6	94	0.00
11	T	Tert butyl alcohol	0.040	0.034	15.0	107	0.00
12	CM	1,1-Dichloroethene	0.484	0.471	2.7#	106	0.00
13	T	Acrolein	0.057	0.054	5.3	102	0.00
14	T	Allyl chloride	0.767	0.765	0.3	106	0.00
15	T	Acrylonitrile	0.115	0.114	0.9	105	0.00
16	T	Acetone	0.140	0.133	5.0	104	0.00
17	T	Carbon Disulfide	1.562	1.495	4.3	104	0.00
18	T	Methyl Acetate	0.271	0.264	2.6	109	0.00
19	T	Methyl tert-butyl Ether	1.237	1.248	-0.9	107	0.00
20	T	Methylene Chloride	0.593	0.531	10.5	106	0.00
21	T	trans-1,2-Dichloroethene	0.536	0.523	2.4	106	0.00
22	T	Diisopropyl ether	1.658	1.686	-1.7	106	0.00
23	T	Vinyl Acetate	0.922	0.961	-4.2	106	0.00
24	P	1,1-Dichloroethane	0.976	0.950	2.7	106	0.00
25	T	2-Butanone	0.171	0.168	1.8	106	0.00
26	T	2,2-Dichloropropane	0.865	0.833	3.7	106	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.616	1.0	107	0.00
28	T	Bromochloromethane	0.406	0.407	-0.2	108	0.00
29	T	Tetrahydrofuran	0.095	0.097	-2.1	105	0.00
30	C	Chloroform	0.981	0.955	2.7#	106	0.00
31	T	Cyclohexane	0.936	0.879	6.1	104	0.00
32	T	1,1,1-Trichloroethane	0.871	0.847	2.8	106	0.00
33	S	1,2-Dichloroethane-d4	0.487	0.482	1.0	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
35	S	Dibromofluoromethane	0.296	0.299	-1.0	104	0.00
36	T	1,1-Dichloropropene	0.454	0.453	0.2	106	0.00
37	T	Ethyl Acetate	0.214	0.215	-0.5	105	0.00
38	T	Carbon Tetrachloride	0.498	0.490	1.6	105	0.00
39	T	Methylcyclohexane	0.600	0.600	0.0	105	0.00
40	TM	Benzene	1.398	1.386	0.9	106	0.00
41	T	Methacrylonitrile	0.107	0.102	4.7	103	0.00
42	TM	1,2-Dichloroethane	0.360	0.359	0.3	106	0.00
43	T	Isopropyl Acetate	0.399	0.413	-3.5	107	0.00
44	TM	Trichloroethene	0.359	0.358	0.3	107	0.00
45	C	1,2-Dichloropropane	0.330	0.332	-0.6#	106	0.00
46	T	Dibromomethane	0.179	0.177	1.1	105	0.00
47	T	Bromodichloromethane	0.467	0.468	-0.2	107	0.00
48	T	Methyl methacrylate	0.188	0.195	-3.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	105	0.00
50	S	Toluene-d8	1.176	1.207	-2.6	105	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.224	-6.7	108	0.00
52	CM	Toluene	0.866	0.892	-3.0#	106	0.00
53	T	t-1,3-Dichloropropene	0.428	0.443	-3.5	107	0.00
54	T	cis-1,3-Dichloropropene	0.512	0.522	-2.0	107	0.00
55	T	1,1,2-Trichloroethane	0.240	0.242	-0.8	106	0.00
56	T	Ethyl methacrylate	0.314	0.342	-8.9	108	0.00
57	T	1,3-Dichloropropane	0.418	0.422	-1.0	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.166	-9.9	112	0.00
59	T	2-Hexanone	0.155	0.164	-5.8	107	0.00
60	T	Dibromochloromethane	0.321	0.326	-1.6	107	0.00
61	T	1,2-Dibromoethane	0.222	0.227	-2.3	109	0.00
62	S	4-Bromofluorobenzene	0.387	0.395	-2.1	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.474	0.477	-0.6	106	0.00
65	PM	Chlorobenzene	1.098	1.097	0.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.378	-1.3	107	0.00
67	C	Ethyl Benzene	1.875	1.949	-3.9#	106	0.00
68	T	m/p-Xylenes	0.722	0.744	-3.0	105	0.00
69	T	o-Xylene	0.677	0.699	-3.2	106	0.00
70	T	Styrene	1.116	1.173	-5.1	105	0.00
71	P	Bromoform	0.217	0.220	-1.4	106	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.549	3.611	-1.7	105	0.00
74	T	N-amyl acetate	0.793	0.837	-5.5	106	0.00
75	P	1,1,2,2-Tetrachloroethane	0.584	0.574	1.7	105	0.00
76	T	1,2,3-Trichloropropane	0.435	0.440	-1.1	105	0.00
77	T	Bromobenzene	0.835	0.827	1.0	106	0.00
78	T	n-propylbenzene	4.272	4.317	-1.1	105	0.00
79	T	2-Chlorotoluene	2.459	2.444	0.6	104	0.00
80	T	1,3,5-Trimethylbenzene	2.897	2.948	-1.8	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.206	0.212	-2.9	108	0.00
82	T	4-Chlorotoluene	2.525	2.531	-0.2	104	0.00
83	T	tert-Butylbenzene	2.602	2.657	-2.1	106	0.00
84	T	1,2,4-Trimethylbenzene	2.895	2.951	-1.9	105	0.00
85	T	sec-Butylbenzene	3.842	3.896	-1.4	104	0.00
86	T	p-Isopropyltoluene	3.211	3.263	-1.6	104	0.00
87	T	1,3-Dichlorobenzene	1.673	1.644	1.7	105	0.00
88	T	1,4-Dichlorobenzene	1.670	1.636	2.0	106	0.00
89	T	n-Butylbenzene	2.944	3.032	-3.0	105	0.00
90	T	Hexachloroethane	0.675	0.665	1.5	106	0.00
91	T	1,2-Dichlorobenzene	1.463	1.457	0.4	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.097	1.0	108	0.00
93	T	1,2,4-Trichlorobenzene	0.872	0.878	-0.7	106	0.00
94	T	Hexachlorobutadiene	0.543	0.536	1.3	107	0.00
95	T	Naphthalene	1.471	1.565	-6.4	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.756	-1.7	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	50.000	43.815	12.4	103	0.00
3	P	Chloromethane	50.000	46.800	6.4	108	0.00
4	C	Vinyl Chloride	50.000	47.725	4.5#	105	0.00
5	T	Bromomethane	50.000	45.230	9.5	110	0.00
6	T	Chloroethane	50.000	47.477	5.0	104	0.00
7	T	Trichlorofluoromethane	50.000	47.551	4.9	105	0.00
8	T	Diethyl Ether	50.000	49.011	2.0	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.173	5.7	104	0.00
10	T	Methyl Iodide	50.000	47.630	4.7	94	0.00
11	T	Tert butyl alcohol	250.000	212.573	15.0	107	0.00
12	CM	1,1-Dichloroethene	50.000	48.612	2.8#	106	0.00
13	T	Acrolein	250.000	235.219	5.9	102	0.00
14	T	Allyl chloride	50.000	49.862	0.3	106	0.00
15	T	Acrylonitrile	250.000	249.035	0.4	105	0.00
16	T	Acetone	250.000	236.232	5.5	104	0.00
17	T	Carbon Disulfide	50.000	47.840	4.3	104	0.00
18	T	Methyl Acetate	50.000	48.741	2.5	109	0.00
19	T	Methyl tert-butyl Ether	50.000	50.458	-0.9	107	0.00
20	T	Methylene Chloride	50.000	44.739	10.5	106	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.780	2.4	106	0.00
22	T	Diisopropyl ether	50.000	50.845	-1.7	106	0.00
23	T	Vinyl Acetate	250.000	260.593	-4.2	106	0.00
24	P	1,1-Dichloroethane	50.000	48.667	2.7	106	0.00
25	T	2-Butanone	250.000	245.687	1.7	106	0.00
26	T	2,2-Dichloropropane	50.000	48.189	3.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.496	1.0	107	0.00
28	T	Bromochloromethane	50.000	50.202	-0.4	108	0.00
29	T	Tetrahydrofuran	250.000	253.054	-1.2	105	0.00
30	C	Chloroform	50.000	48.695	2.6#	106	0.00
31	T	Cyclohexane	50.000	46.925	6.2	104	0.00
32	T	1,1,1-Trichloroethane	50.000	48.644	2.7	106	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.469	1.1	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	106	0.00
35	S	Dibromofluoromethane	50.000	50.539	-1.1	104	0.00
36	T	1,1-Dichloropropene	50.000	49.871	0.3	106	0.00
37	T	Ethyl Acetate	50.000	50.232	-0.5	105	0.00
38	T	Carbon Tetrachloride	50.000	49.193	1.6	105	0.00
39	T	Methylcyclohexane	50.000	50.031	-0.1	105	0.00
40	TM	Benzene	50.000	49.591	0.8	106	0.00
41	T	Methacrylonitrile	50.000	47.651	4.7	103	0.00
42	TM	1,2-Dichloroethane	50.000	49.784	0.4	106	0.00
43	T	Isopropyl Acetate	50.000	51.743	-3.5	107	0.00
44	TM	Trichloroethene	50.000	49.950	0.1	107	0.00
45	C	1,2-Dichloropropane	50.000	50.309	-0.6#	106	0.00
46	T	Dibromomethane	50.000	49.448	1.1	105	0.00
47	T	Bromodichloromethane	50.000	50.071	-0.1	107	0.00
48	T	Methyl methacrylate	50.000	51.747	-3.5	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1010.592	-1.1	105	0.00
50	S	Toluene-d8	50.000	51.283	-2.6	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.999	-6.4	108	0.00
52	CM	Toluene	50.000	51.499	-3.0#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	51.731	-3.5	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.897	-1.8	107	0.00
55	T	1,1,2-Trichloroethane	50.000	50.589	-1.2	106	0.00
56	T	Ethyl methacrylate	50.000	54.412	-8.8	108	0.00
57	T	1,3-Dichloropropane	50.000	50.553	-1.1	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.774	-9.9	112	0.00
59	T	2-Hexanone	250.000	263.508	-5.4	107	0.00
60	T	Dibromochloromethane	50.000	50.751	-1.5	107	0.00
61	T	1,2-Dibromoethane	50.000	51.054	-2.1	109	0.00
62	S	4-Bromofluorobenzene	50.000	51.029	-2.1	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	50.295	-0.6	106	0.00
65	PM	Chlorobenzene	50.000	49.995	0.0	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.631	-1.3	107	0.00
67	C	Ethyl Benzene	50.000	51.986	-4.0#	106	0.00
68	T	m/p-Xylenes	100.000	102.939	-2.9	105	0.00
69	T	o-Xylene	50.000	51.642	-3.3	106	0.00
70	T	Styrene	50.000	52.557	-5.1	105	0.00
71	P	Bromoform	50.000	50.524	-1.0	106	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	50.876	-1.8	105	0.00
74	T	N-amyl acetate	50.000	52.774	-5.5	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.133	1.7	105	0.00
76	T	1,2,3-Trichloropropane	50.000	50.621	-1.2	105	0.00
77	T	Bromobenzene	50.000	49.566	0.9	106	0.00
78	T	n-propylbenzene	50.000	50.525	-1.0	105	0.00
79	T	2-Chlorotoluene	50.000	49.694	0.6	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.874	-1.7	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.648	-3.3	108	0.00
82	T	4-Chlorotoluene	50.000	50.104	-0.2	104	0.00
83	T	tert-Butylbenzene	50.000	51.048	-2.1	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.968	-1.9	105	0.00
85	T	sec-Butylbenzene	50.000	50.703	-1.4	104	0.00
86	T	p-Isopropyltoluene	50.000	50.808	-1.6	104	0.00
87	T	1,3-Dichlorobenzene	50.000	49.152	1.7	105	0.00
88	T	1,4-Dichlorobenzene	50.000	48.981	2.0	106	0.00
89	T	n-Butylbenzene	50.000	51.488	-3.0	105	0.00
90	T	Hexachloroethane	50.000	49.299	1.4	106	0.00
91	T	1,2-Dichlorobenzene	50.000	49.810	0.4	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.676	0.6	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.325	-0.7	106	0.00
94	T	Hexachlorobutadiene	50.000	49.372	1.3	107	0.00
95	T	Naphthalene	50.000	53.185	-6.4	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On : 26 Nov 2025 10:50
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

Quant Time: Nov 27 01:17:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.877	-1.8	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3742

Instrument ID: MSVOA_Y Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:05 16:23

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY023868.D RRF020 = VY023869.D RRF050 = VY023870.D
RRF100 = VY023871.D RRF150 = VY023872.D RRF005 = VY023874.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.414	0.329	0.422	0.349	0.375	0.380	0.378	9.5
Chloromethane	0.543	0.452	0.599	0.505	0.554	0.583	0.539	10
Vinyl Chloride	0.624	0.525	0.705	0.595	0.648	0.595	0.615	9.8
Bromomethane	0.462	0.381	0.453	0.392	0.454	0.524	0.444	11.7
Chloroethane	0.433	0.353	0.460	0.387	0.428	0.442	0.417	9.5
Trichlorofluoromethane	0.914	0.736	0.949	0.808	0.875	0.880	0.860	8.9
1,1,2-Trichlorotrifluoroethane	0.566	0.445	0.558	0.472	0.512	0.539	0.516	9.4
1,1-Dichloroethene	0.496	0.416	0.539	0.465	0.515	0.461	0.482	9.1
Acetone	0.169	0.142	0.153	0.140	0.140	0.154	0.150	7.6
Carbon Disulfide	1.329	1.096	1.739	1.483	1.614	1.278	1.423	16.5
Methyl tert-butyl Ether	1.187	1.028	1.343	1.238	1.342	1.122	1.210	10.3
Methyl Acetate	0.254	0.203	0.276	0.274	0.271	0.246	0.254	10.8
Methylene Chloride	0.647	0.491	0.581	0.495	0.538	0.906	0.610	25.6
trans-1,2-Dichloroethene	0.536	0.444	0.598	0.516	0.569	0.527	0.531	9.9
1,1-Dichloroethane	1.011	0.859	1.066	0.931	1.022	0.990	0.980	7.5
Cyclohexane	0.957	0.762	1.052	0.902	0.982	0.967	0.937	10.5
2-Butanone	0.198	0.159	0.187	0.178	0.180	0.181	0.181	7.1
Carbon Tetrachloride	0.547	0.455	0.577	0.497	0.547	0.508	0.522	8.4
cis-1,2-Dichloroethene	0.618	0.531	0.677	0.596	0.665	0.616	0.617	8.5
Bromochloromethane	0.363	0.354	0.441	0.349	0.358	0.381	0.374	9.2
Chloroform	1.039	0.878	1.061	0.921	1.017	1.024	0.990	7.3
1,1,1-Trichloroethane	0.941	0.776	0.968	0.836	0.923	0.918	0.894	8.1
Methylcyclohexane	0.598	0.492	0.735	0.637	0.704	0.526	0.616	15.6
Benzene	1.459	1.234	1.606	1.376	1.517	1.383	1.429	9
1,2-Dichloroethane	0.388	0.329	0.410	0.363	0.391	0.357	0.373	7.8
Trichloroethene	0.375	0.315	0.411	0.354	0.391	0.361	0.368	9
1,2-Dichloropropane	0.351	0.295	0.373	0.329	0.358	0.324	0.338	8.3
Bromodichloromethane	0.509	0.423	0.530	0.462	0.509	0.467	0.483	8.2
4-Methyl-2-Pentanone	0.208	0.184	0.248	0.233	0.243	0.173	0.215	14.6
Toluene	0.913	0.765	1.019	0.887	0.981	0.805	0.895	10.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3742

Instrument ID: MSVOA_Y Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:05 16:23

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY023868.D RRF020 = VY023869.D RRF050 = VY023870.D
RRF100 = VY023871.D RRF150 = VY023872.D RRF005 = VY023874.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.421	0.376	0.493	0.449	0.494	0.384	0.436	11.8
cis-1,3-Dichloropropene	0.504	0.440	0.580	0.518	0.579	0.461	0.514	11.3
1,1,2-Trichloroethane	0.253	0.214	0.272	0.244	0.264	0.237	0.247	8.3
2-Hexanone	0.164	0.145	0.183	0.174	0.179	0.127	0.162	13.6
Dibromochloromethane	0.337	0.287	0.365	0.326	0.358	0.317	0.332	8.6
1,2-Dibromoethane	0.228	0.193	0.253	0.228	0.248	0.202	0.225	10.6
Tetrachloroethene	0.528	0.438	0.545	0.455	0.488	0.481	0.489	8.4
Chlorobenzene	1.175	1.014	1.248	1.086	1.207	1.117	1.141	7.5
Ethyl Benzene	1.951	1.716	2.254	1.959	2.153	1.804	1.973	10.3
m/p-Xylenes	0.743	0.666	0.865	0.750	0.833	0.669	0.754	10.9
o-Xylene	0.680	0.618	0.814	0.711	0.797	0.613	0.705	12.2
Styrene	1.115	1.014	1.335	1.185	1.318	1.009	1.163	12.3
Bromoform	0.221	0.188	0.240	0.225	0.242	0.203	0.220	9.6
Isopropylbenzene	3.703	3.251	4.124	3.631	4.096	3.298	3.684	10.2
1,1,2,2-Tetrachloroethane	0.622	0.514	0.629	0.600	0.652	0.548	0.594	8.9
1,3-Dichlorobenzene	1.780	1.518	1.839	1.617	1.807	1.781	1.724	7.4
1,4-Dichlorobenzene	1.744	1.489	1.803	1.572	1.750	1.784	1.690	7.6
1,2-Dichlorobenzene	1.528	1.334	1.609	1.416	1.574	1.534	1.499	6.9
1,2-Dibromo-3-Chloropropane	0.095	0.081	0.098	0.099	0.102	0.086	0.093	8.9
1,2,4-Trichlorobenzene	0.846	0.749	0.953	0.883	1.004	0.899	0.889	9.9
1,2,3-Trichlorobenzene	0.703	0.645	0.818	0.766	0.849	0.769	0.759	9.8
1,2-Dichloroethane-d4	0.491	0.534	0.486	0.551	0.495	0.445	0.500	7.5
Dibromofluoromethane	0.319	0.349	0.314	0.353	0.323	0.265	0.321	9.9
Toluene-d8	1.211	1.354	1.228	1.376	1.256	1.064	1.248	9
4-Bromofluorobenzene	0.409	0.434	0.409	0.470	0.432	0.401	0.426	6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 03:49:13 2025
Response Via : Initial Calibration

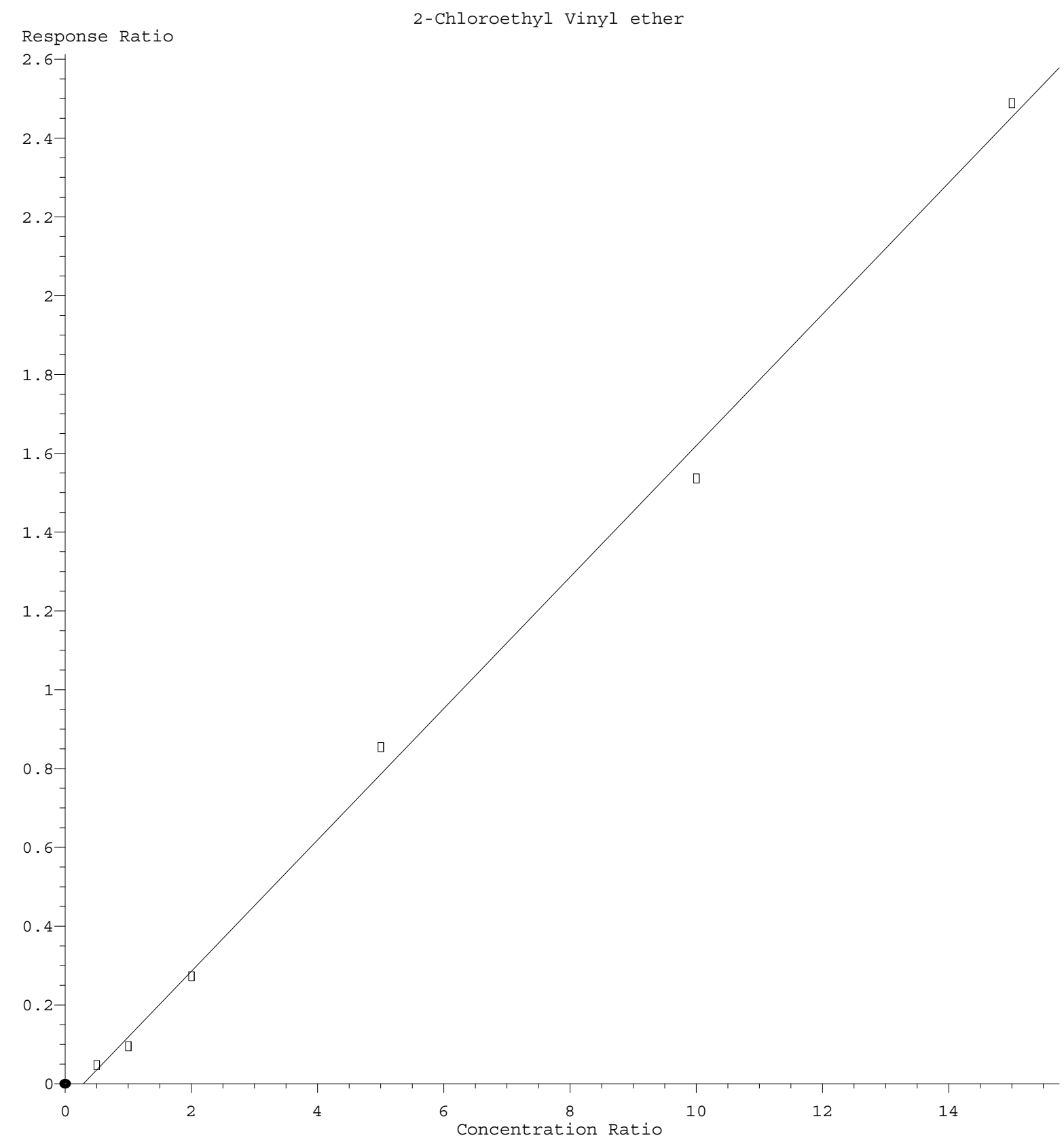
Calibration Files
5 =VY023874.D 10 =VY023868.D 20 =VY023869.D 50 =VY023870.D 100 =VY023871.D 150 =VY023872.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.380	0.414	0.329	0.422	0.349	0.375	0.378	9.51
3)	P	Chloromethane	0.583	0.543	0.452	0.599	0.505	0.554	0.539	10.02
4)	C	Vinyl Chloride	0.595	0.624	0.525	0.705	0.595	0.648	0.615	9.81#
5)	T	Bromomethane	0.524	0.462	0.381	0.453	0.392	0.454	0.444	11.72
6)	T	Chloroethane	0.442	0.433	0.353	0.460	0.387	0.428	0.417	9.48
7)	T	Trichlorofluor...	0.880	0.914	0.736	0.949	0.808	0.875	0.860	8.93
8)	T	Diethyl Ether	0.259	0.262	0.220	0.280	0.252	0.274	0.258	8.22
9)	T	1,1,2-Trichlor...	0.539	0.566	0.445	0.558	0.472	0.512	0.516	9.39
10)	T	Methyl Iodide	0.404	0.459	0.412	0.649	0.554	0.599	0.513	20.01
11)	T	Tert butyl alc...	0.056	0.047	0.035	0.036	0.035	0.035	0.041	21.66
12)	CM	1,1-Dichloroet...	0.461	0.496	0.416	0.539	0.465	0.515	0.482	9.11#
13)	T	Acrolein	0.028	0.045	0.035	0.021	0.029	0.029	0.031	25.94
14)	T	Allyl chloride	0.741	0.765	0.649	0.862	0.760	0.844	0.770	9.97
15)	T	Acrylonitrile	0.105	0.111	0.095	0.123	0.116	0.122	0.112	9.51
16)	T	Acetone	0.154	0.169	0.142	0.153	0.140	0.140	0.150	7.60
17)	T	Carbon Disulfide	1.278	1.329	1.096	1.739	1.483	1.614	1.423	16.53
18)	T	Methyl Acetate	0.246	0.254	0.203	0.276	0.274	0.271	0.254	10.82
19)	T	Methyl tert-bu...	1.122	1.187	1.028	1.343	1.238	1.342	1.210	10.27
20)	T	Methylene Chlo...	0.906	0.647	0.491	0.581	0.495	0.538	0.610	25.65
21)	T	trans-1,2-Dich...	0.527	0.536	0.444	0.598	0.516	0.569	0.531	9.89
22)	T	Diisopropyl ether	1.572	1.718	1.472	1.891	1.681	1.841	1.696	9.32
23)	T	Vinyl Acetate	0.799	0.917	0.799	1.076	0.987	1.061	0.940	13.10
24)	P	1,1-Dichloroet...	0.990	1.011	0.859	1.066	0.931	1.022	0.980	7.53
25)	T	2-Butanone	0.181	0.198	0.159	0.187	0.178	0.180	0.181	7.05
26)	T	2,2-Dichloropr...	0.997	0.961	0.779	0.938	0.819	0.893	0.898	9.42
27)	T	cis-1,2-Dichlo...	0.616	0.618	0.531	0.677	0.596	0.665	0.617	8.52
28)	T	Bromochloromet...	0.381	0.363	0.354	0.441	0.349	0.358	0.374	9.21
29)	T	Tetrahydrofuran	0.080	0.093	0.077	0.106	0.101	0.104	0.093	13.13
30)	C	Chloroform	1.024	1.039	0.878	1.061	0.921	1.017	0.990	7.35#
31)	T	Cyclohexane	0.967	0.957	0.762	1.052	0.902	0.982	0.937	10.49
32)	T	1,1,1-Trichlor...	0.918	0.941	0.776	0.968	0.836	0.923	0.894	8.13
33)	S	1,2-Dichloroet...	0.445	0.491	0.534	0.486	0.551	0.495	0.500	7.55
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.265	0.319	0.349	0.314	0.353	0.323	0.321	9.86
36)	T	1,1-Dichloropr...	0.435	0.489	0.404	0.538	0.463	0.509	0.473	10.41
37)	T	Ethyl Acetate	0.186	0.225	0.190	0.244	0.227	0.236	0.218	11.10
38)	T	Carbon Tetrach...	0.508	0.547	0.455	0.577	0.497	0.547	0.522	8.40
39)	T	Methylcyclohexane	0.526	0.598	0.492	0.735	0.637	0.704	0.616	15.63
40)	TM	Benzene	1.383	1.459	1.234	1.606	1.376	1.517	1.429	9.00
41)	T	Methacrylonitrile	0.107	0.117	0.106	0.128	0.108	0.110	0.113	7.44
42)	TM	1,2-Dichloroet...	0.357	0.388	0.329	0.410	0.363	0.391	0.373	7.79
43)	T	Isopropyl Acetate	0.350	0.402	0.347	0.456	0.434	0.462	0.409	12.52
44)	TM	Trichloroethene	0.361	0.375	0.315	0.411	0.354	0.391	0.368	8.95
45)	C	1,2-Dichloropr...	0.324	0.351	0.295	0.373	0.329	0.358	0.338	8.30#
46)	T	Dibromomethane	0.176	0.188	0.158	0.202	0.179	0.196	0.183	8.56
47)	T	Bromodichlorom...	0.467	0.509	0.423	0.530	0.462	0.509	0.483	8.19
48)	T	Methyl methacr...	0.140	0.179	0.159	0.224	0.215	0.228	0.191	19.28
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	11.67
50)	S	Toluene-d8	1.064	1.211	1.354	1.228	1.376	1.256	1.248	9.03
51)	T	4-Methyl-2-Pen...	0.173	0.208	0.184	0.248	0.233	0.243	0.215	14.63
52)	CM	Toluene	0.805	0.913	0.765	1.019	0.887	0.981	0.895	10.94#
53)	T	t-1,3-Dichloro...	0.384	0.421	0.376	0.493	0.449	0.494	0.436	11.84
54)	T	cis-1,3-Dichlo...	0.461	0.504	0.440	0.580	0.518	0.579	0.514	11.34
55)	T	1,1,2-Trichlor...	0.237	0.253	0.214	0.272	0.244	0.264	0.247	8.26
56)	T	Ethyl methacry...	0.241	0.281	0.252	0.372	0.358	0.391	0.316	20.74

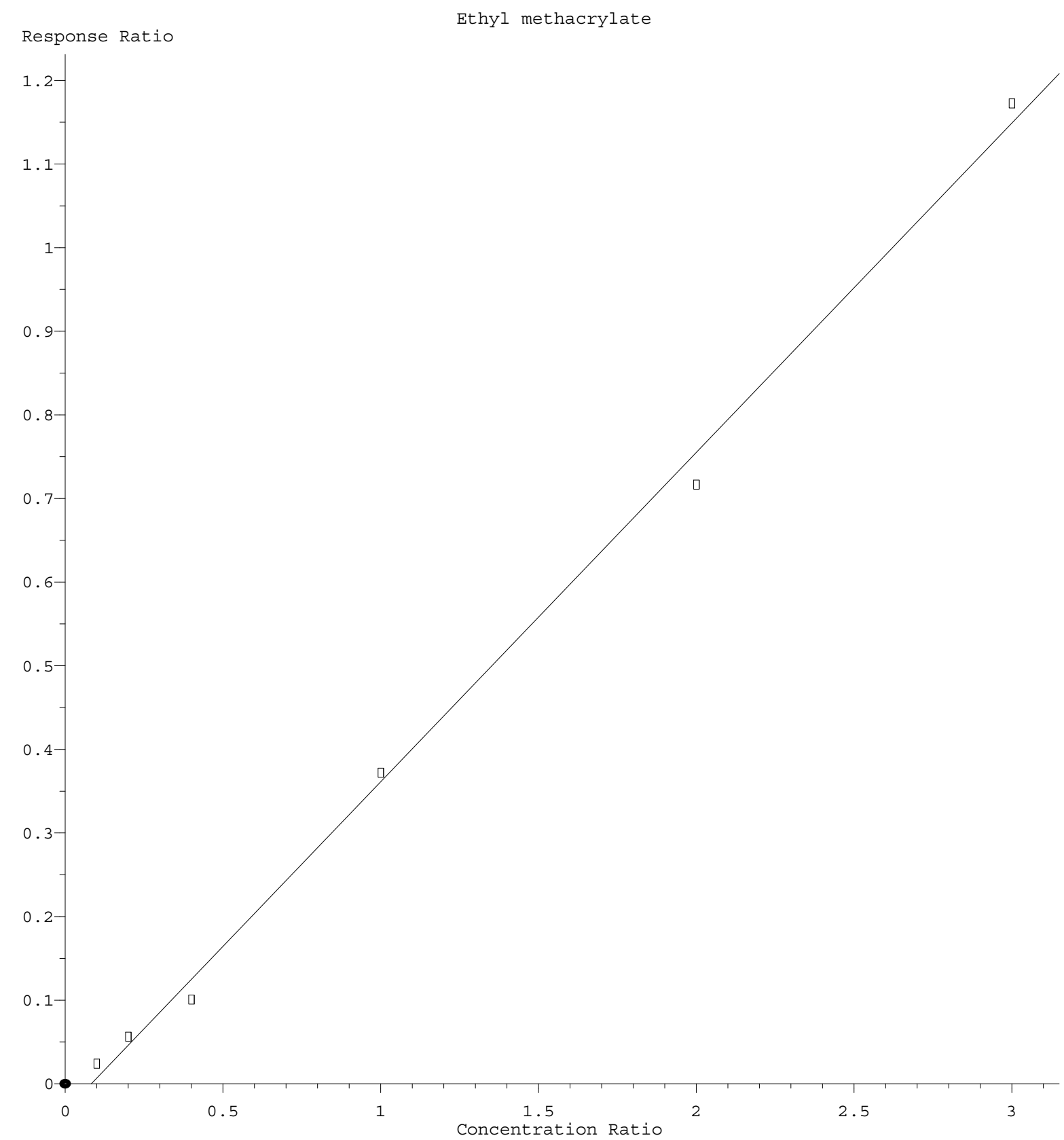
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y120325S.M

57)	T	1,3-Dichloropr...	0.402	0.429	0.366	0.474	0.423	0.461	0.426	9.19
58)	T	2-Chloroethyl ...	0.095	0.095	0.136	0.171	0.154	0.166	0.136	24.95
59)	T	2-Hexanone	0.127	0.164	0.145	0.183	0.174	0.179	0.162	13.56
60)	T	Dibromochlorom...	0.317	0.337	0.287	0.365	0.326	0.358	0.332	8.59
61)	T	1,2-Dibromoethane	0.202	0.228	0.193	0.253	0.228	0.248	0.225	10.63
62)	S	4-Bromofluorob...	0.401	0.409	0.434	0.409	0.470	0.432	0.426	5.96
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.481	0.528	0.438	0.545	0.455	0.488	0.489	8.43
65)	PM	Chlorobenzene	1.117	1.175	1.014	1.248	1.086	1.207	1.141	7.51
66)	T	1,1,1,2-Tetrac...	0.375	0.411	0.345	0.426	0.370	0.409	0.389	7.89
67)	C	Ethyl Benzene	1.804	1.951	1.716	2.254	1.959	2.153	1.973	10.30#
68)	T	m/p-Xylenes	0.669	0.743	0.666	0.865	0.750	0.833	0.754	10.89
69)	T	o-Xylene	0.613	0.680	0.618	0.814	0.711	0.797	0.705	12.20
70)	T	Styrene	1.009	1.115	1.014	1.335	1.185	1.318	1.163	12.29
71)	P	Bromoform	0.203	0.221	0.188	0.240	0.225	0.242	0.220	9.62
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.298	3.703	3.251	4.124	3.631	4.096	3.684	10.18
74)	T	N-amyl acetate	0.621	0.718	0.655	0.919	0.894	0.983	0.798	19.10
75)	P	1,1,2,2-Tetrac...	0.548	0.622	0.514	0.629	0.600	0.652	0.594	8.86
76)	T	1,2,3-Trichlor...	0.529	0.515	0.499	0.496	0.445	0.491	0.496	5.75
77)	T	Bromobenzene	0.847	0.875	0.741	0.921	0.827	0.922	0.856	7.96
78)	T	n-propylbenzene	4.091	4.431	3.969	5.003	4.355	4.822	4.445	9.07
79)	T	2-Chlorotoluene	2.439	2.531	2.249	2.776	2.433	2.720	2.525	7.79
80)	T	1,3,5-Trimethy...	2.763	2.973	2.689	3.340	2.920	3.275	2.993	8.85
81)	T	trans-1,4-Dich...	0.179	0.205	0.171	0.229	0.217	0.242	0.207	13.45
82)	T	4-Chlorotoluene	2.555	2.677	2.331	2.850	2.487	2.804	2.617	7.56
83)	T	tert-Butylbenzene	2.459	2.676	2.382	3.022	2.664	2.988	2.699	9.78
84)	T	1,2,4-Trimethy...	2.659	2.973	2.656	3.347	2.897	3.260	2.965	9.85
85)	T	sec-Butylbenzene	3.709	4.074	3.559	4.521	3.906	4.315	4.014	9.07
86)	T	p-Isopropyltol...	2.958	3.324	2.961	3.771	3.267	3.662	3.324	10.28
87)	T	1,3-Dichlorobe...	1.781	1.780	1.518	1.839	1.617	1.807	1.724	7.36
88)	T	1,4-Dichlorobe...	1.784	1.744	1.489	1.803	1.572	1.750	1.690	7.59
89)	T	n-Butylbenzene	2.787	2.973	2.711	3.499	3.062	3.426	3.076	10.57
90)	T	Hexachloroethane	0.690	0.733	0.627	0.741	0.658	0.734	0.697	6.73
91)	T	1,2-Dichlorobe...	1.534	1.528	1.334	1.609	1.416	1.574	1.499	6.92
92)	T	1,2-Dibromo-3-...	0.086	0.095	0.081	0.098	0.099	0.102	0.093	8.86
93)	T	1,2,4-Trichlor...	0.899	0.846	0.749	0.953	0.883	1.004	0.889	9.93
94)	T	Hexachlorobuta...	0.572	0.588	0.489	0.598	0.521	0.578	0.558	7.68
95)	T	Naphthalene	1.294	1.214	1.178	1.626	1.659	1.819	1.465	18.41
96)	T	1,2,3-Trichlor...	0.769	0.703	0.645	0.818	0.766	0.849	0.759	9.83

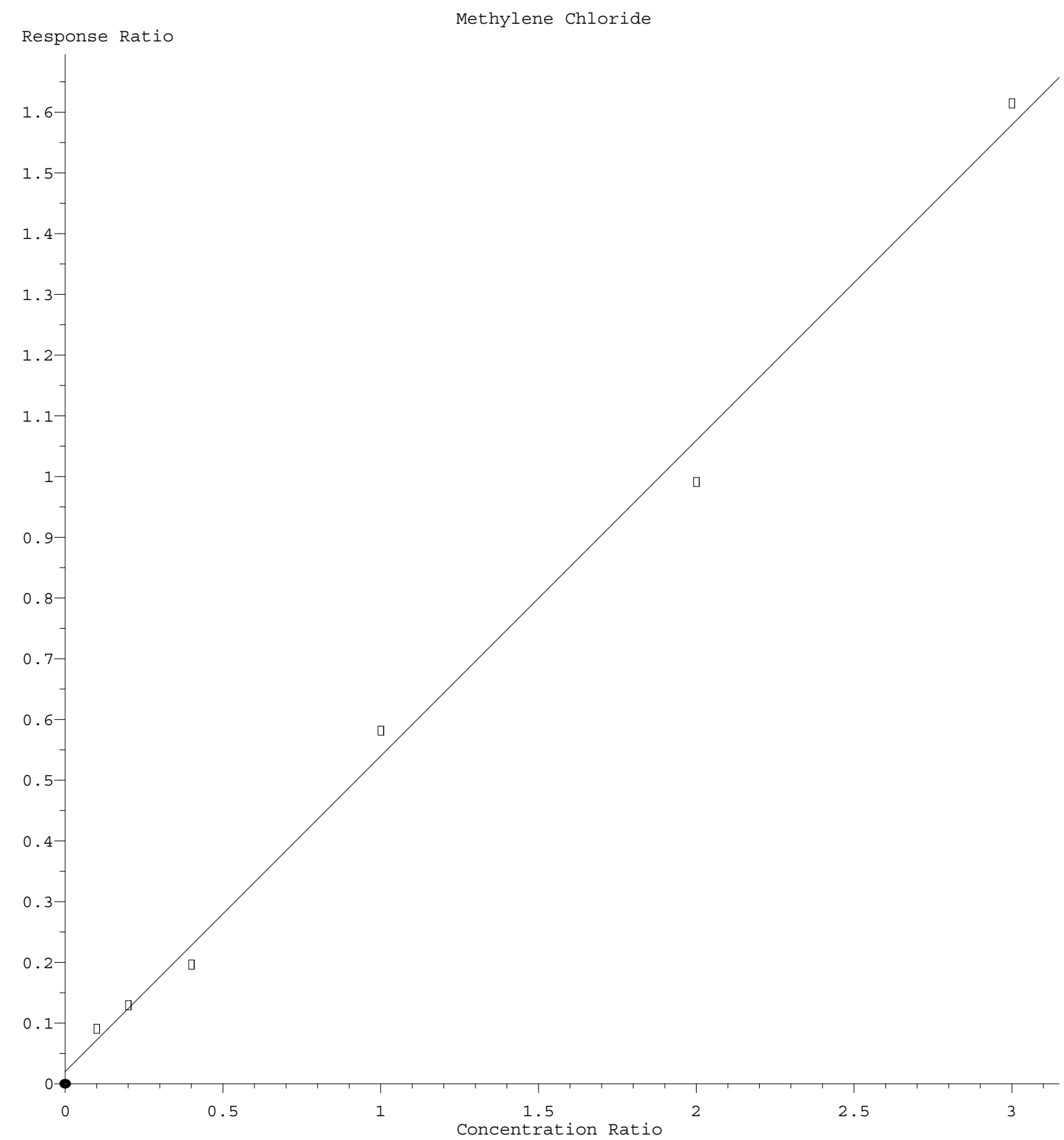
(#) = Out of Range



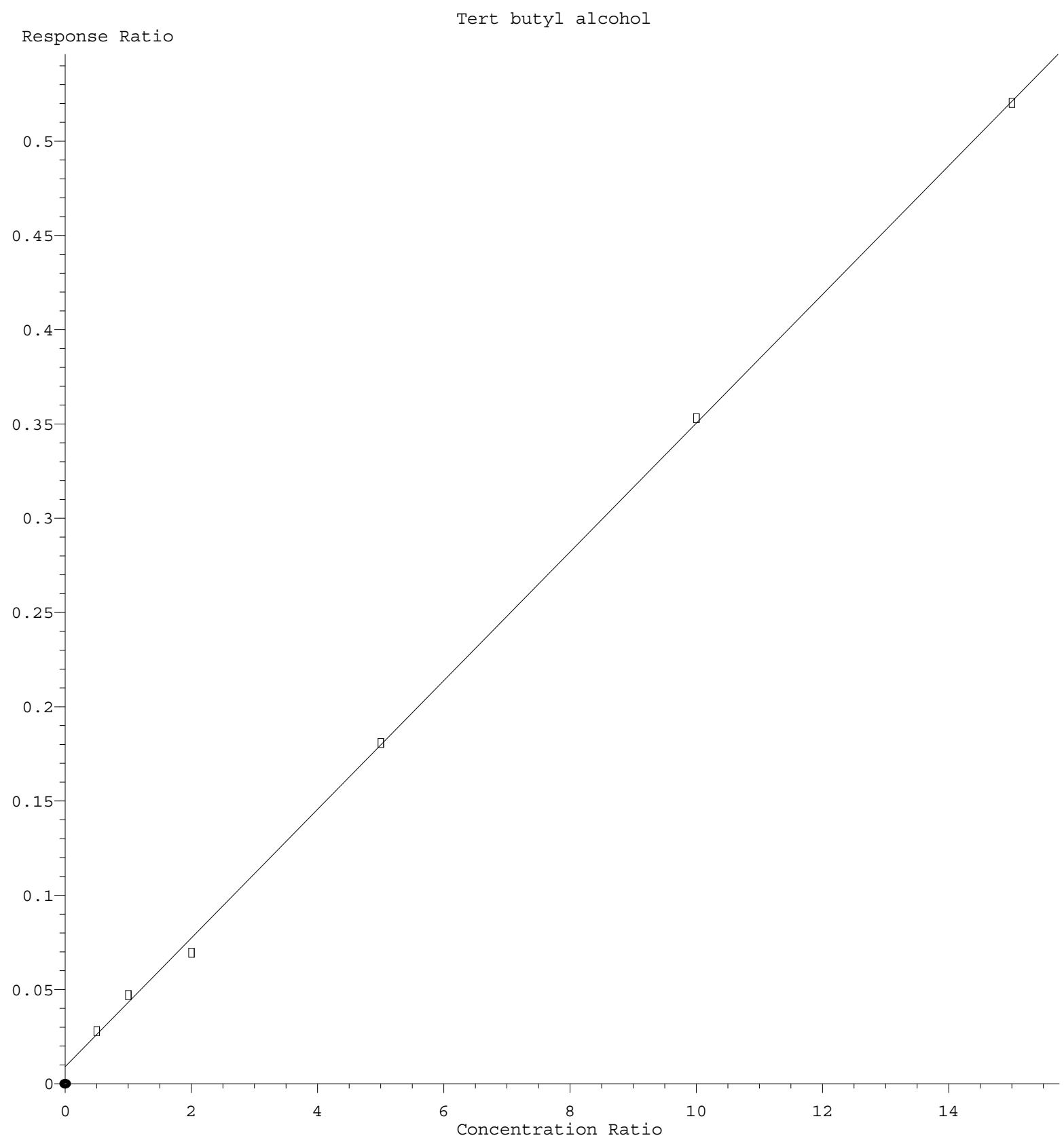
Response = 1.668e-001 * Amt - 4.911e-002
Coef of Det (r^2) = 0.997070 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Calibration Table Last Updated: Thu Dec 04 03:49:13 2025



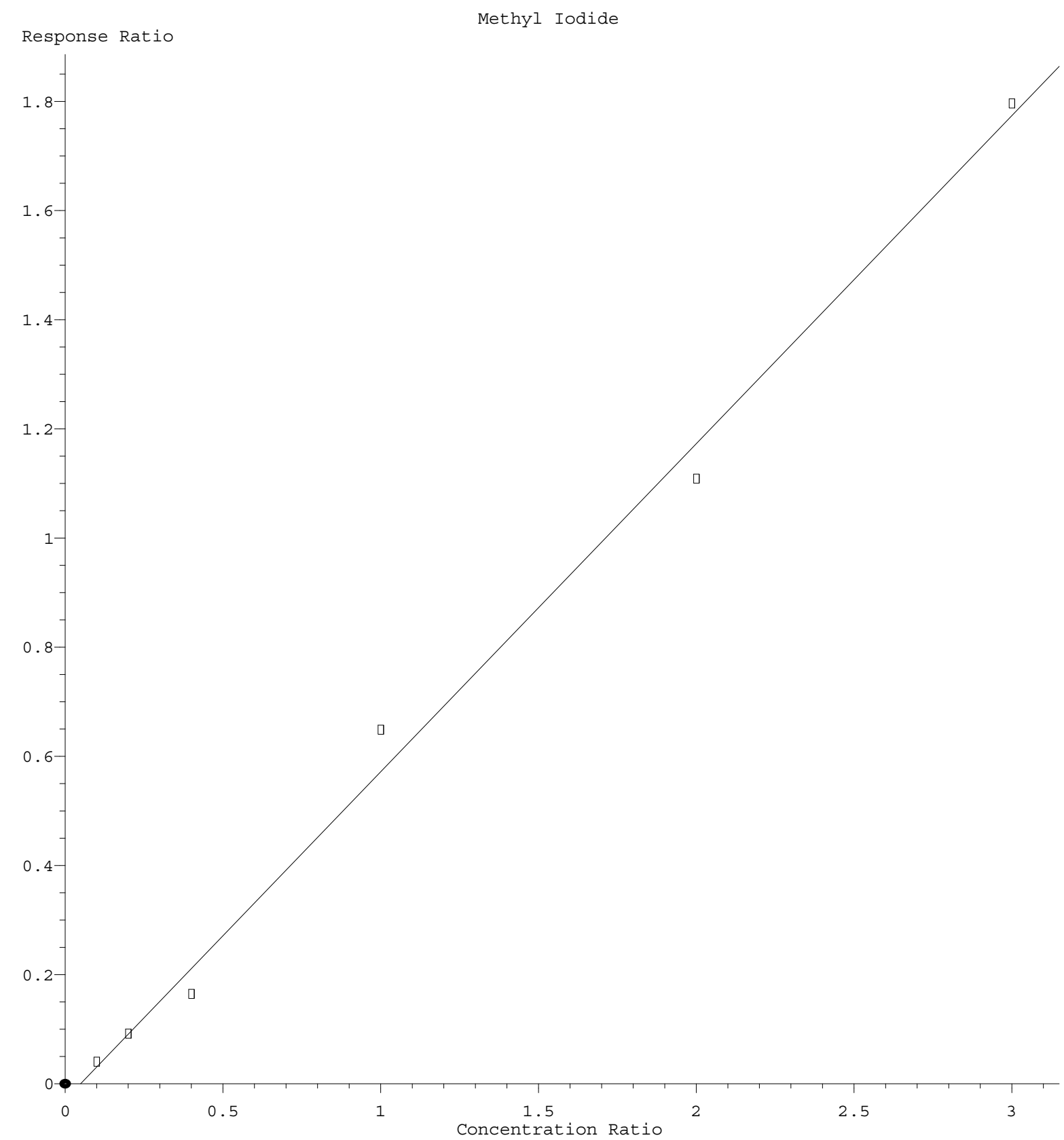
Response = 3.938e-001 * Amt - 3.269e-002
Coef of Det (r^2) = 0.997002 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120325S.M
Calibration Table Last Updated: Thu Dec 04 03:49:13 2025



Response = 5.197e-001 * Amt + 2.017e-002
Coef of Det (r^2) = 0.995045 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120325S.M
Calibration Table Last Updated: Thu Dec 04 03:49:13 2025



Response = 3.417e-002 * Amt + 8.977e-003
Coef of Det (r^2) = 0.999554 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120325S.M
Calibration Table Last Updated: Thu Dec 04 03:49:13 2025



Response = 6.010e-001 * Amt - 2.933e-002
Coef of Det (r^2) = 0.994766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y120325S.M
Calibration Table Last Updated: Thu Dec 04 03:49:13 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023868.D
Acq On : 03 Dec 2025 14:05
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	500618	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	773215	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	653185	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	328899	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	49163	9.817	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.640%#			
35) Dibromofluoromethane	7.640	113	49386	9.958	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.920%#			
50) Toluene-d8	10.109	98	187219	9.701	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.400%#			
62) 4-Bromofluorobenzene	12.408	95	63323	9.620	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.240%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	41421	10.939	ug/l		96
3) Chloromethane	2.074	50	54331	10.059	ug/l		99
4) Vinyl Chloride	2.208	62	62446	10.135	ug/l		98
5) Bromomethane	2.604	94	46242	10.395	ug/l		99
6) Chloroethane	2.745	64	43322	10.371	ug/l		95
7) Trichlorofluoromethane	3.068	101	91554	10.627	ug/l		97
8) Diethyl Ether	3.458	74	26273	10.180	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.824	101	56654	10.976	ug/l		98
10) Methyl Iodide	4.013	142	45929	10.073	ug/l		98
11) Tert butyl alcohol	4.854	59	23526	55.630	ug/l		99
12) 1,1-Dichloroethene	3.793	96	49656	10.296	ug/l		94
13) Acrolein	3.659	56	22550	72.126	ug/l		97
14) Allyl chloride	4.391	41	76559	9.929	ug/l		98
15) Acrylonitrile	5.067	53	55664	49.554	ug/l		98
16) Acetone	3.879	43	84687	56.433	ug/l		99
17) Carbon Disulfide	4.116	76	133084	9.340	ug/l		99
18) Methyl Acetate	4.397	43	25458	10.002	ug/l		99
19) Methyl tert-butyl Ether	5.122	73	118838	9.810	ug/l		99
20) Methylene Chloride	4.622	84	64757	10.505	ug/l		94
21) trans-1,2-Dichloroethene	5.122	96	53666	10.086	ug/l		92
22) Diisopropyl ether	6.025	45	171977	10.130	ug/l		92
23) Vinyl Acetate	5.970	43	459234	48.798	ug/l		100
24) 1,1-Dichloroethane	5.921	63	101250	10.322	ug/l		96
25) 2-Butanone	6.902	43	99304	54.893	ug/l		97
26) 2,2-Dichloropropane	6.890	77	96198	10.700	ug/l		97
27) cis-1,2-Dichloroethene	6.896	96	61832	10.007	ug/l		96
28) Bromochloromethane	7.256	49	36352	9.699	ug/l		100
29) Tetrahydrofuran	7.274	42	46481	49.681	ug/l		98
30) Chloroform	7.427	83	103996	10.492	ug/l		97
31) Cyclohexane	7.707	56	95770	10.211	ug/l	#	91
32) 1,1,1-Trichloroethane	7.622	97	94229	10.531	ug/l		99
36) 1,1-Dichloropropene	7.841	75	75619	10.341	ug/l		98
37) Ethyl Acetate	6.994	43	34856	10.322	ug/l		98
38) Carbon Tetrachloride	7.823	117	84516	10.472	ug/l		97
39) Methylcyclohexane	9.115	83	92521	9.720	ug/l		96
40) Benzene	8.085	78	225638	10.209	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023868.D
Acq On : 03 Dec 2025 14:05
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	18040	10.362	ug/l	#	88
42) 1,2-Dichloroethane	8.164	62	60037	10.409	ug/l		100
43) Isopropyl Acetate	8.201	43	62147	9.837	ug/l	#	89
44) Trichloroethene	8.872	130	57989	10.196	ug/l		100
45) 1,2-Dichloropropane	9.146	63	54251	10.366	ug/l		99
46) Dibromomethane	9.237	93	29055	10.255	ug/l		99
47) Bromodichloromethane	9.426	83	78697	10.528	ug/l		95
48) Methyl methacrylate	9.225	41	27613	9.355	ug/l		99
49) 1,4-Dioxane	9.231	88	6206	196.991	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	160975	48.455	ug/l		99
52) Toluene	10.176	92	141234	10.204	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	65036	9.640	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	78015	9.820	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	39090	10.221	ug/l		95
56) Ethyl methacrylate	10.444	69	43530	11.300	ug/l		98
57) 1,3-Dichloropropane	10.719	76	66363	10.074	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	73539	43.223	ug/l		100
59) 2-Hexanone	10.762	43	126850	50.628	ug/l		97
60) Dibromochloromethane	10.914	129	52135	10.166	ug/l		99
61) 1,2-Dibromoethane	11.018	107	35286	10.123	ug/l		100
64) Tetrachloroethene	10.652	164	69006	10.796	ug/l		91
65) Chlorobenzene	11.444	112	153517	10.297	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	53726	10.562	ug/l		99
67) Ethyl Benzene	11.524	91	254914	9.890	ug/l		100
68) m/p-Xylenes	11.633	106	194108	19.704	ug/l		99
69) o-Xylene	11.956	106	88776	9.635	ug/l		96
70) Styrene	11.975	104	145688	9.592	ug/l		99
71) Bromoform	12.133	173	28873	10.046	ug/l	#	98
73) Isopropylbenzene	12.255	105	243607	10.053	ug/l		99
74) N-amyl acetate	12.072	43	47261	8.999	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40930	10.469	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	33859m	10.384	ug/l		
77) Bromobenzene	12.529	156	57581	10.231	ug/l		100
78) n-propylbenzene	12.597	91	291497	9.969	ug/l		100
79) 2-Chlorotoluene	12.682	91	166508	10.027	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	195539	9.931	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13509	9.923	ug/l		95
82) 4-Chlorotoluene	12.779	91	176116	10.229	ug/l		99
83) tert-Butylbenzene	12.999	119	176020	9.916	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	195542	10.025	ug/l		98
85) sec-Butylbenzene	13.176	105	267991	10.149	ug/l		99
86) p-Isopropyltoluene	13.292	119	218621	10.000	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	117095	10.327	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	114716	10.317	ug/l		96
89) n-Butylbenzene	13.621	91	195542	9.663	ug/l		99
90) Hexachloroethane	13.877	117	48202	10.509	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	100521	10.193	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6268	10.196	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	55634	9.515	ug/l		99
94) Hexachlorobutadiene	15.023	225	38656	10.538	ug/l		97
95) Naphthalene	15.145	128	79869	8.289	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	46259	9.271	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023868.D
Acq On : 03 Dec 2025 14:05
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

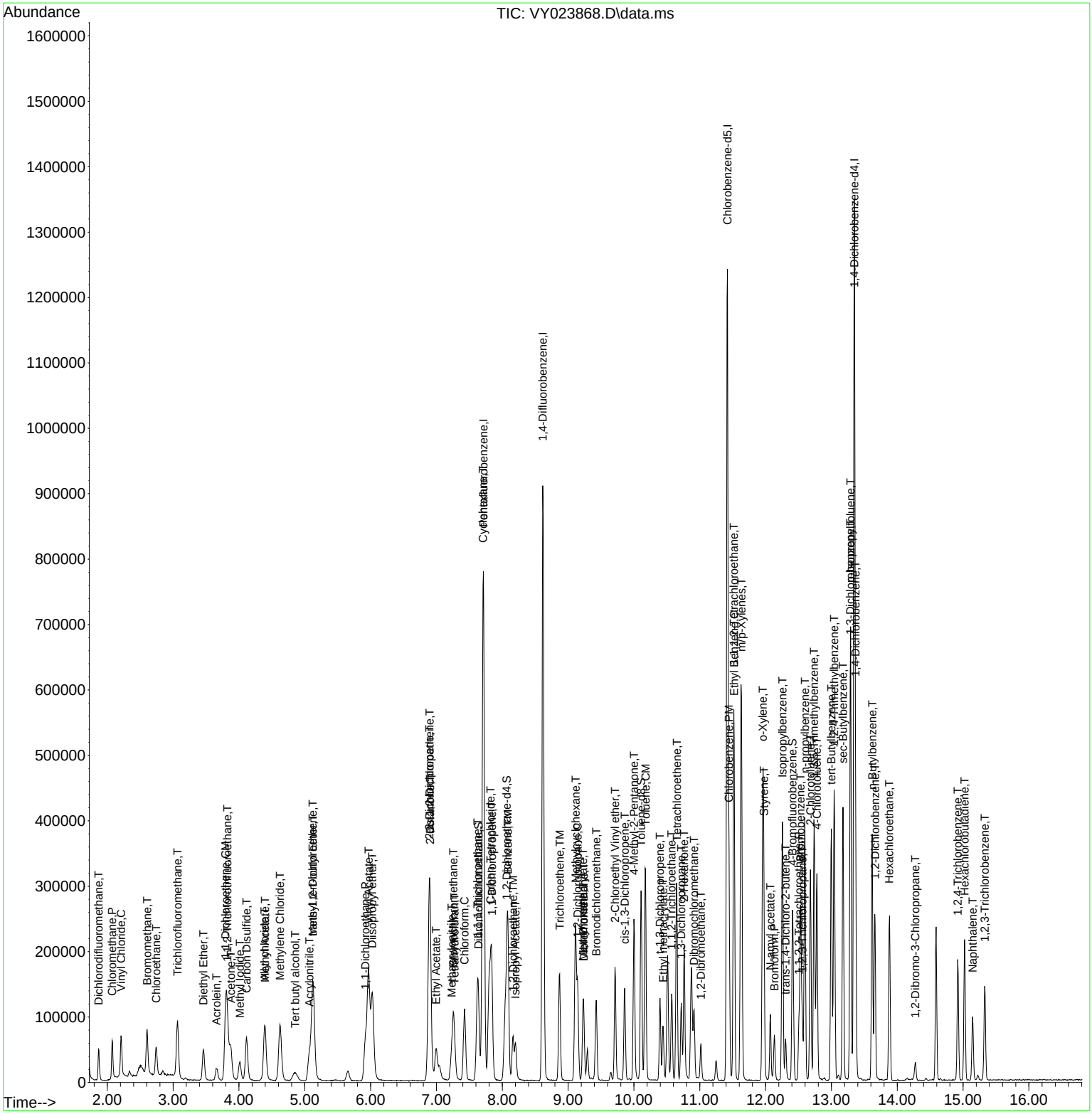
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023868.D
Acq On : 03 Dec 2025 14:05
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023869.D
Acq On : 03 Dec 2025 14:27
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:38:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	523570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	802325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	676124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	341141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	111731	21.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.660%#		
35) Dibromofluoromethane	7.640	113	112122	21.789	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.580%#		
50) Toluene-d8	10.109	98	434670	21.707	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	43.420%#		
62) 4-Bromofluorobenzene	12.408	95	139144	20.372	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	68929	17.406	ug/l	98
3) Chloromethane	2.074	50	94605	16.747	ug/l	99
4) Vinyl Chloride	2.208	62	109903	17.056	ug/l	98
5) Bromomethane	2.598	94	79696	17.129	ug/l	96
6) Chloroethane	2.739	64	74000	16.938	ug/l	97
7) Trichlorofluoromethane	3.062	101	154189	17.113	ug/l	99
8) Diethyl Ether	3.458	74	46021	17.050	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	93298	17.283	ug/l	99
10) Methyl Iodide	4.013	142	86205	16.139	ug/l	99
11) Tert butyl alcohol	4.866	59	36380	88.541	ug/l	98
12) 1,1-Dichloroethene	3.799	96	87031	17.255	ug/l	97
13) Acrolein	3.659	56	36655	112.101	ug/l	95
14) Allyl chloride	4.391	41	135995	16.864	ug/l	100
15) Acrylonitrile	5.061	53	99662	84.833	ug/l	99
16) Acetone	3.873	43	148290	94.485	ug/l	99
17) Carbon Disulfide	4.116	76	229579	15.405	ug/l	99
18) Methyl Acetate	4.391	43	42615	16.008	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	215306	16.993	ug/l	99
20) Methylene Chloride	4.622	84	102741	16.939	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	92900	16.694	ug/l	96
22) Diisopropyl ether	6.025	45	308343	17.366	ug/l	95
23) Vinyl Acetate	5.970	43	836679	85.008	ug/l	97
24) 1,1-Dichloroethane	5.921	63	179891	17.535	ug/l	98
25) 2-Butanone	6.896	43	167012	88.273	ug/l	97
26) 2,2-Dichloropropane	6.890	77	163185	17.355	ug/l	96
27) cis-1,2-Dichloroethene	6.896	96	111129	17.198	ug/l	99
28) Bromochloromethane	7.250	49	74239	18.939	ug/l	98
29) Tetrahydrofuran	7.268	42	80851	82.630	ug/l	97
30) Chloroform	7.427	83	183955	17.745	ug/l	99
31) Cyclohexane	7.707	56	159573	16.268	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	162535	17.368	ug/l	99
36) 1,1-Dichloropropene	7.841	75	129540	17.072	ug/l	100
37) Ethyl Acetate	6.988	43	61092	17.436	ug/l	97
38) Carbon Tetrachloride	7.823	117	146066	17.442	ug/l	96
39) Methylcyclohexane	9.109	83	158002	15.997	ug/l	98
40) Benzene	8.085	78	396185	17.274	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023869.D
Acq On : 03 Dec 2025 14:27
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:38:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	34027	18.836 ug/l	#	78
42) 1,2-Dichloroethane	8.158	62	105539	17.634 ug/l		99
43) Isopropyl Acetate	8.201	43	111228	16.967 ug/l	#	86
44) Trichloroethene	8.872	130	101162	17.142 ug/l		99
45) 1,2-Dichloropropane	9.146	63	94784	17.454 ug/l		98
46) Dibromomethane	9.238	93	50804	17.280 ug/l		98
47) Bromodichloromethane	9.426	83	135816	17.510 ug/l		99
48) Methyl methacrylate	9.225	41	51106	16.687 ug/l		99
49) 1,4-Dioxane	9.238	88	10567	323.248 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	295304	85.665 ug/l		98
52) Toluene	10.170	92	245582	17.099 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	120787	17.254 ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	141367	17.148 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	68830	17.343 ug/l		96
56) Ethyl methacrylate	10.438	69	80835	16.945 ug/l		98
57) 1,3-Dichloropropane	10.719	76	117588	17.202 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	218831	96.463 ug/l		99
59) 2-Hexanone	10.762	43	231987	89.230 ug/l		98
60) Dibromochloromethane	10.914	129	92070	17.301 ug/l		100
61) 1,2-Dibromoethane	11.018	107	62065	17.160 ug/l		99
64) Tetrachloroethene	10.646	164	118551	17.917 ug/l		99
65) Chlorobenzene	11.444	112	274266	17.772 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	93428	17.744 ug/l		99
67) Ethyl Benzene	11.518	91	464136	17.397 ug/l		100
68) m/p-Xylenes	11.633	106	360229	35.326 ug/l		100
69) o-Xylene	11.957	106	167211	17.531 ug/l		99
70) Styrene	11.969	104	274264	17.444 ug/l		99
71) Bromoform	12.133	173	50874	17.100 ug/l	#	97
73) Isopropylbenzene	12.255	105	443570	17.648 ug/l		99
74) N-amyl acetate	12.072	43	89434	16.418 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70174	17.305 ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	68098m	20.136 ug/l		
77) Bromobenzene	12.530	156	101109	17.321 ug/l		99
78) n-propylbenzene	12.597	91	541647	17.859 ug/l		99
79) 2-Chlorotoluene	12.682	91	306826	17.813 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	366921	17.966 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	23281	16.487 ug/l		93
82) 4-Chlorotoluene	12.780	91	318020	17.809 ug/l		100
83) tert-Butylbenzene	12.999	119	325007	17.652 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	362427	17.914 ug/l		99
85) sec-Butylbenzene	13.176	105	485690	17.734 ug/l		98
86) p-Isopropyltoluene	13.292	119	403980	17.815 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	207114	17.611 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	203232	17.622 ug/l		98
89) n-Butylbenzene	13.615	91	369923	17.625 ug/l		98
90) Hexachloroethane	13.877	117	85598	17.993 ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	182086	17.801 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11032	17.302 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	102184	16.849 ug/l		100
94) Hexachlorobutadiene	15.023	225	66764	17.547 ug/l		100
95) Naphthalene	15.145	128	160700	16.079 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	88059	17.016 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023869.D
Acq On : 03 Dec 2025 14:27
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:38:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

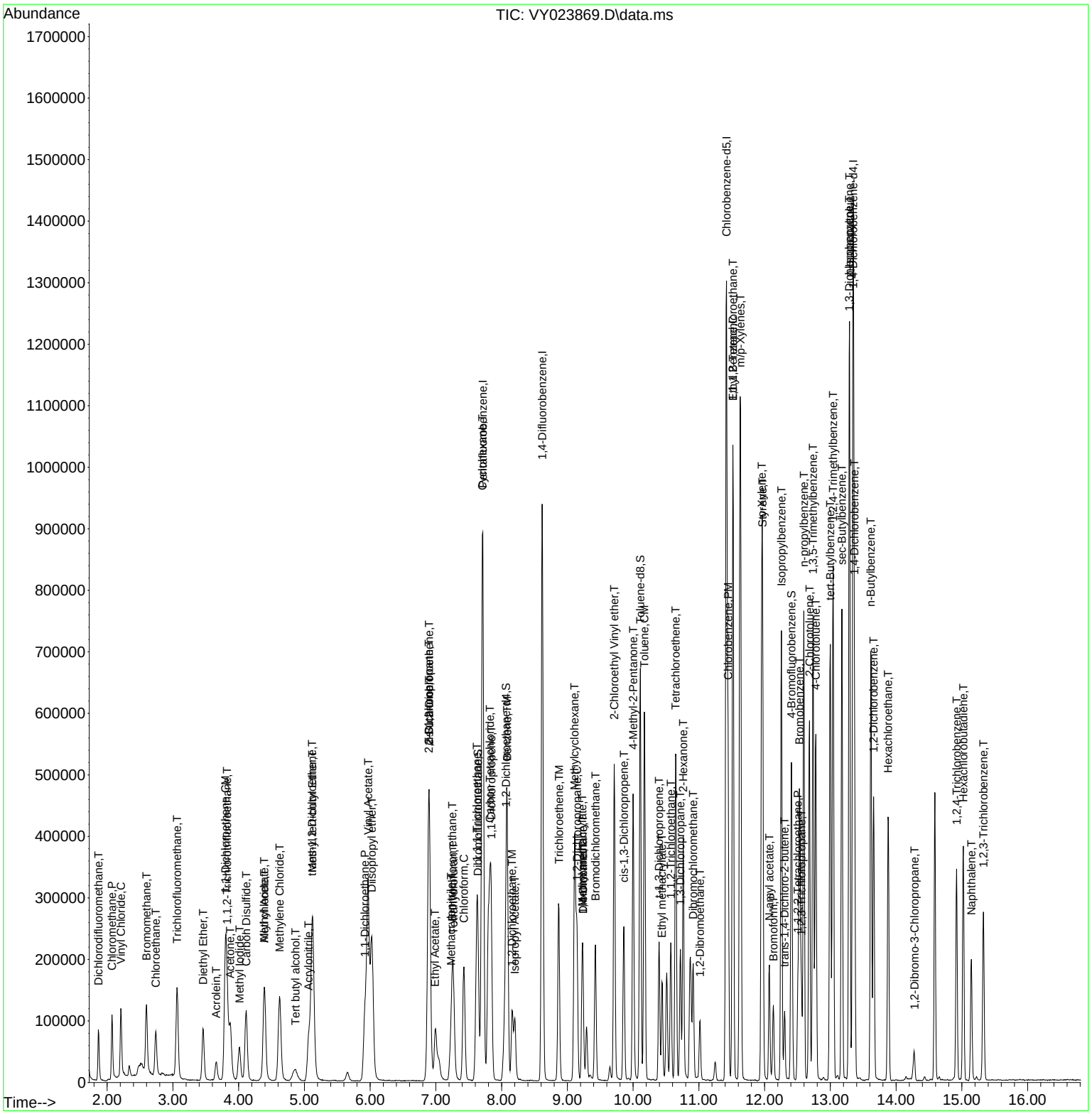
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023869.D
Acq On : 03 Dec 2025 14:27
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:38:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023870.D
Acq On : 03 Dec 2025 14:50
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	500292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	761100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	659081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	346280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	242926	48.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.080%			
35) Dibromofluoromethane	7.640	113	238696	48.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.800%			
50) Toluene-d8	10.109	98	934302	49.185	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.408	95	311056	48.009	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	211266	55.830	ug/l	100
3) Chloromethane	2.074	50	299851	55.549	ug/l	100
4) Vinyl Chloride	2.208	62	352920	57.318	ug/l	100
5) Bromomethane	2.605	94	226762	51.006	ug/l	100
6) Chloroethane	2.739	64	230195	55.143	ug/l	100
7) Trichlorofluoromethane	3.062	101	474840	55.154	ug/l	100
8) Diethyl Ether	3.458	74	139841	54.218	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	279306	54.147	ug/l	100
10) Methyl Iodide	4.013	142	324558	56.414	ug/l	100
11) Tert butyl alcohol	4.860	59	90452	251.425	ug/l	100
12) 1,1-Dichloroethene	3.799	96	269447	55.906	ug/l	100
13) Acrolein	3.653	56	52583	168.296	ug/l	100
14) Allyl chloride	4.391	41	431324	55.975	ug/l	100
15) Acrylonitrile	5.068	53	308182	274.533	ug/l	100
16) Acetone	3.873	43	383779	255.907	ug/l	100
17) Carbon Disulfide	4.110	76	870120	61.104	ug/l	100
18) Methyl Acetate	4.391	43	137981	54.243	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	671751	55.486	ug/l	100
20) Methylene Chloride	4.622	84	290883	53.999	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	299126	56.253	ug/l	100
22) Diisopropyl ether	6.025	45	945908	55.752	ug/l	100
23) Vinyl Acetate	5.970	43	2692096	286.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	533267	54.398	ug/l	100
25) 2-Butanone	6.896	43	468169	258.962	ug/l	100
26) 2,2-Dichloropropane	6.890	77	469449	52.249	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	338779	54.866	ug/l	100
28) Bromochloromethane	7.250	49	220658	58.910	ug/l	100
29) Tetrahydrofuran	7.268	42	264550	282.949	ug/l	100
30) Chloroform	7.427	83	530633	53.567	ug/l	100
31) Cyclohexane	7.707	56	526142	56.135	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	484349	54.165	ug/l	100
36) 1,1-Dichloropropene	7.841	75	409369	56.873	ug/l	100
37) Ethyl Acetate	6.988	43	186029	55.969	ug/l	100
38) Carbon Tetrachloride	7.823	117	439435	55.315	ug/l	100
39) Methylcyclohexane	9.109	83	559705	59.738	ug/l	100
40) Benzene	8.085	78	1222341	56.182	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023870.D
Acq On : 03 Dec 2025 14:50
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	97243m	56.744 ug/l	
42) 1,2-Dichloroethane	8.158	62	311867	54.932 ug/l	100
43) Isopropyl Acetate	8.201	43	347002	55.799 ug/l	100
44) Trichloroethene	8.866	130	312511	55.824 ug/l	100
45) 1,2-Dichloropropane	9.140	63	284261	55.181 ug/l	100
46) Dibromomethane	9.231	93	153815	55.152 ug/l	100
47) Bromodichloromethane	9.427	83	403233	54.802 ug/l	100
48) Methyl methacrylate	9.219	41	170617	58.727 ug/l	100
49) 1,4-Dioxane	9.231	88	34732	1120.011 ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	942369	288.179 ug/l	100
52) Toluene	10.170	92	775238	56.900 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	375381	56.526 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	441548	56.463 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	206945	54.969 ug/l	100
56) Ethyl methacrylate	10.439	69	283075	51.379 ug/l	100
57) 1,3-Dichloropropane	10.719	76	360829	55.646 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	650281	270.791 ug/l	100
59) 2-Hexanone	10.762	43	695740	282.099 ug/l	100
60) Dibromochloromethane	10.914	129	277647	55.000 ug/l	100
61) 1,2-Dibromoethane	11.018	107	192648	56.150 ug/l	100
64) Tetrachloroethene	10.646	164	359396	55.723 ug/l	100
65) Chlorobenzene	11.444	112	822706	54.689 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	280546	54.659 ug/l	100
67) Ethyl Benzene	11.518	91	1485579	57.123 ug/l	100
68) m/p-Xylenes	11.627	106	1139947	114.680 ug/l	100
69) o-Xylene	11.957	106	536516	57.706 ug/l	100
70) Styrene	11.969	104	879821	57.406 ug/l	100
71) Bromoform	12.133	173	158496	54.653 ug/l	100
73) Isopropylbenzene	12.255	105	1427981	55.971 ug/l	100
74) N-amyl acetate	12.072	43	318349	57.575 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	217767	52.904 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	171638m	49.998 ug/l	
77) Bromobenzene	12.530	156	319076	53.850 ug/l	100
78) n-propylbenzene	12.597	91	1732541	56.277 ug/l	100
79) 2-Chlorotoluene	12.682	91	961405	54.987 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1156532	55.790 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	79135	55.211 ug/l	100
82) 4-Chlorotoluene	12.780	91	986826	54.440 ug/l	100
83) tert-Butylbenzene	12.999	119	1046589	56.001 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1159100	56.440 ug/l	100
85) sec-Butylbenzene	13.176	105	1565508	56.312 ug/l	100
86) p-Isopropyltoluene	13.292	119	1305932	56.735 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	636686	53.335 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	624513	53.346 ug/l	100
89) n-Butylbenzene	13.615	91	1211662	56.873 ug/l	100
90) Hexachloroethane	13.877	117	256745	53.168 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	557111	53.656 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34000	52.532 ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	330167	53.634 ug/l	100
94) Hexachlorobutadiene	15.023	225	207145	53.634 ug/l	100
95) Naphthalene	15.145	128	562927	55.488 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	283318	53.933 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023870.D
Acq On : 03 Dec 2025 14:50
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

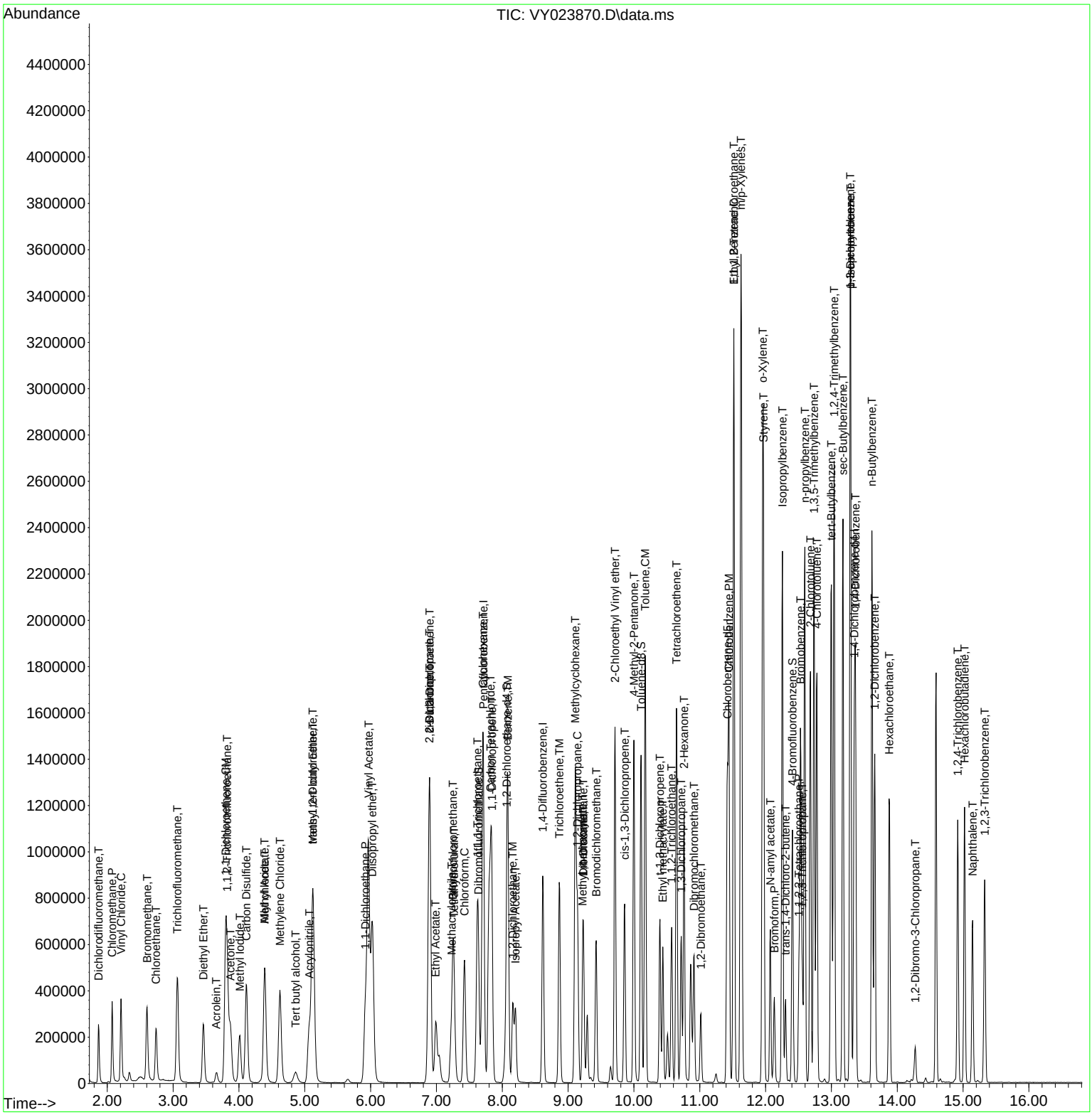
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023870.D
Acq On : 03 Dec 2025 14:50
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:39:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023871.D
Acq On : 03 Dec 2025 15:12
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	545043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	833577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	727751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	378627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	601016	110.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 220.460%#			
35) Dibromofluoromethane	7.634	113	588775	110.127	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 220.260%#			
50) Toluene-d8	10.109	98	2293388	110.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 220.460%#			
62) 4-Bromofluorobenzene	12.408	95	783133	110.362	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 220.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	380523	92.302	ug/l	100
3) Chloromethane	2.074	50	551009	93.697	ug/l	96
4) Vinyl Chloride	2.208	62	648959	96.743	ug/l	99
5) Bromomethane	2.599	94	427799	88.325	ug/l	99
6) Chloroethane	2.739	64	421590	92.699	ug/l	96
7) Trichlorofluoromethane	3.062	101	881234	93.954	ug/l	96
8) Diethyl Ether	3.458	74	274719	97.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	514526	91.558	ug/l	98
10) Methyl Iodide	4.007	142	604306	94.685	ug/l	99
11) Tert butyl alcohol	4.866	59	192446	503.529	ug/l	100
12) 1,1-Dichloroethene	3.793	96	506366	96.438	ug/l	99
13) Acrolein	3.659	56	159515	468.621	ug/l	98
14) Allyl chloride	4.391	41	828629	98.706	ug/l	98
15) Acrylonitrile	5.061	53	634191	518.561	ug/l	99
16) Acetone	3.873	43	765434	468.492	ug/l	99
17) Carbon Disulfide	4.110	76	1616569	104.202	ug/l	100
18) Methyl Acetate	4.391	43	299030	107.903	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1349423	102.310	ug/l	98
20) Methylene Chloride	4.623	84	540120	93.401	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	562250	97.054	ug/l	99
22) Diisopropyl ether	6.025	45	1831952	99.110	ug/l	98
23) Vinyl Acetate	5.964	43	5380036	525.084	ug/l	98
24) 1,1-Dichloroethane	5.921	63	1014818	95.021	ug/l	100
25) 2-Butanone	6.897	43	969483	492.227	ug/l	97
26) 2,2-Dichloropropane	6.890	77	892635	91.193	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	650057	96.635	ug/l	100
28) Bromochloromethane	7.250	49	380378	93.214	ug/l	99
29) Tetrahydrofuran	7.262	42	550246	540.195	ug/l	99
30) Chloroform	7.427	83	1004227	93.053	ug/l	99
31) Cyclohexane	7.707	56	983287	96.294	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	911074	93.521	ug/l	100
36) 1,1-Dichloropropene	7.841	75	771073	97.810	ug/l	100
37) Ethyl Acetate	6.988	43	378867	104.075	ug/l	100
38) Carbon Tetrachloride	7.823	117	828616	95.236	ug/l	99
39) Methylcyclohexane	9.110	83	1061933	103.486	ug/l	98
40) Benzene	8.085	78	2294551	96.295	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023871.D
Acq On : 03 Dec 2025 15:12
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	180184	96.001 ug/l	#	98
42) 1,2-Dichloroethane	8.159	62	604794	97.265 ug/l		100
43) Isopropyl Acetate	8.201	43	723696	106.254 ug/l		99
44) Trichloroethene	8.866	130	589778	96.193 ug/l		97
45) 1,2-Dichloropropane	9.140	63	547865	97.105 ug/l		97
46) Dibromomethane	9.231	93	298833	97.833 ug/l		100
47) Bromodichloromethane	9.427	83	770127	95.566 ug/l		99
48) Methyl methacrylate	9.219	41	357957	112.496 ug/l		99
49) 1,4-Dioxane	9.225	88	71242	2097.609 ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	1945943	543.335 ug/l		99
52) Toluene	10.170	92	1478487	99.082 ug/l		99
53) t-1,3-Dichloropropene	10.396	75	749005	102.981 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	863024	100.764 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	406702	98.637 ug/l		99
56) Ethyl methacrylate	10.439	69	597305	95.141 ug/l		99
57) 1,3-Dichloropropane	10.719	76	705243	99.305 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	1280440	475.100 ug/l		100
59) 2-Hexanone	10.762	43	1451826	537.484 ug/l		98
60) Dibromochloromethane	10.914	129	542962	98.205 ug/l		99
61) 1,2-Dibromoethane	11.018	107	379799	101.072 ug/l		99
64) Tetrachloroethene	10.646	164	662205	92.984 ug/l		99
65) Chlorobenzene	11.438	112	1581124	95.188 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	538308	94.984 ug/l		100
67) Ethyl Benzene	11.518	91	2851156	99.287 ug/l		99
68) m/p-Xylenes	11.627	106	2181866	198.786 ug/l		100
69) o-Xylene	11.957	106	1034728	100.791 ug/l		99
70) Styrene	11.969	104	1724169	101.883 ug/l		100
71) Bromoform	12.133	173	328202	102.492 ug/l	#	99
73) Isopropylbenzene	12.255	105	2749383	98.558 ug/l		100
74) N-amyl acetate	12.066	43	676612	111.915 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	454452	100.971 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	336989m	89.778 ug/l		
77) Bromobenzene	12.530	156	625934	96.614 ug/l		99
78) n-propylbenzene	12.597	91	3297870	97.971 ug/l		100
79) 2-Chlorotoluene	12.676	91	1842283	96.366 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	2211407	97.562 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	164040	104.670 ug/l		99
82) 4-Chlorotoluene	12.774	91	1883217	95.016 ug/l		100
83) tert-Butylbenzene	12.993	119	2017278	98.718 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	2194058	97.708 ug/l		99
85) sec-Butylbenzene	13.176	105	2957891	97.308 ug/l		100
86) p-Isopropyltoluene	13.292	119	2474066	98.300 ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	1224484	93.811 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1190344	92.992 ug/l		100
89) n-Butylbenzene	13.615	91	2318828	99.543 ug/l		99
90) Hexachloroethane	13.877	117	498413	94.397 ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	1072015	94.427 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	74722	105.587 ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	668373	99.299 ug/l		100
94) Hexachlorobutadiene	15.023	225	394559	93.431 ug/l		99
95) Naphthalene	15.145	128	1256519	113.275 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	580051	100.986 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023871.D
Acq On : 03 Dec 2025 15:12
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

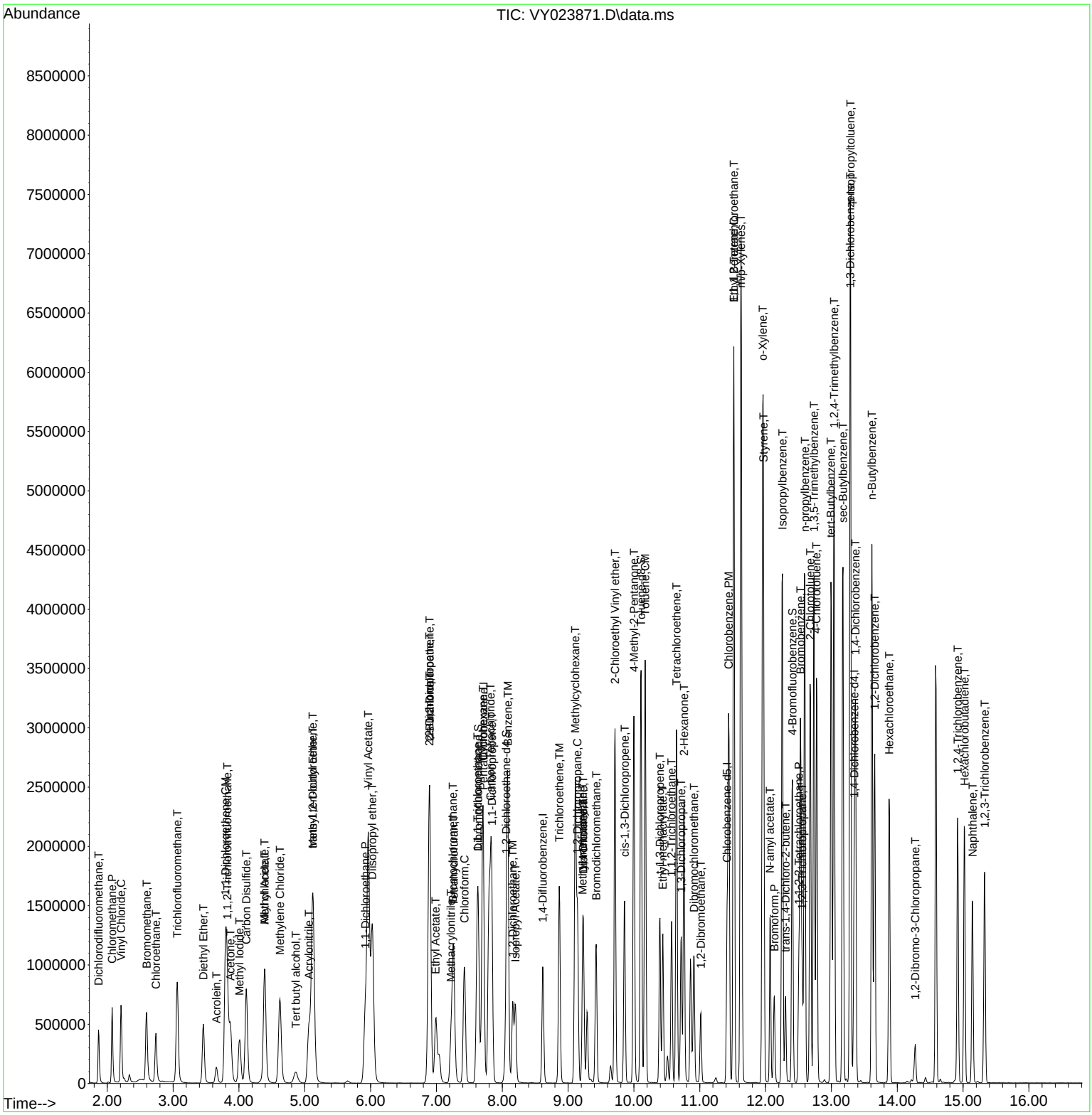
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023871.D
Acq On : 03 Dec 2025 15:12
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023872.D
Acq On : 03 Dec 2025 15:35
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	549971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	838731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	733022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	816576	148.423	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 296.840%#			
35) Dibromofluoromethane	7.640	113	813510	151.227	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 302.460%#			
50) Toluene-d8	10.109	98	3159448	150.929	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 301.860%#			
62) 4-Bromofluorobenzene	12.407	95	1086257	152.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 304.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	619326	148.882	ug/l	98
3) Chloromethane	2.074	50	914405	154.097	ug/l	97
4) Vinyl Chloride	2.208	62	1068530	157.863	ug/l	100
5) Bromomethane	2.592	94	749169	153.290	ug/l	99
6) Chloroethane	2.738	64	706601	153.975	ug/l	99
7) Trichlorofluoromethane	3.061	101	1442851	152.454	ug/l	97
8) Diethyl Ether	3.458	74	452499	159.592	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	845317	149.074	ug/l	99
10) Methyl Iodide	4.012	142	987902	151.888	ug/l	99
11) Tert butyl alcohol	4.872	59	286158	748.237	ug/l	99
12) 1,1-Dichloroethene	3.793	96	849091	160.261	ug/l	99
13) Acrolein	3.659	56	236864	689.621	ug/l	97
14) Allyl chloride	4.390	41	1392191	164.351	ug/l	98
15) Acrylonitrile	5.061	53	1005175	814.540	ug/l	99
16) Acetone	3.872	43	1159022	703.035	ug/l	100
17) Carbon Disulfide	4.110	76	2662403	170.078	ug/l	100
18) Methyl Acetate	4.390	43	447163	159.910	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	2214440	166.388	ug/l	100
20) Methylene Chloride	4.622	84	887878	153.382	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	938198	160.498	ug/l	99
22) Diisopropyl ether	6.024	45	3036807	162.821	ug/l	97
23) Vinyl Acetate	5.963	43	8755240	846.842	ug/l	98
24) 1,1-Dichloroethane	5.921	63	1685752	156.428	ug/l	99
25) 2-Butanone	6.896	43	1487269	748.352	ug/l	97
26) 2,2-Dichloropropane	6.890	77	1474101	149.247	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	1097531	161.693	ug/l	99
28) Bromochloromethane	7.250	49	589930	143.270	ug/l	100
29) Tetrahydrofuran	7.262	42	855375	832.226	ug/l	99
30) Chloroform	7.426	83	1678521	154.141	ug/l	100
31) Cyclohexane	7.707	56	1619783	157.206	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	1523297	154.964	ug/l	100
36) 1,1-Dichloropropene	7.841	75	1280900	161.483	ug/l	100
37) Ethyl Acetate	6.987	43	594564	162.324	ug/l	99
38) Carbon Tetrachloride	7.823	117	1377236	157.318	ug/l	99
39) Methylcyclohexane	9.109	83	1772467	171.667	ug/l	98
40) Benzene	8.085	78	3816578	159.185	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023872.D
Acq On : 03 Dec 2025 15:35
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.225	41	276918	146.634 ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	984153	157.302 ug/l		99
43) Isopropyl Acetate	8.201	43	1163699	169.806 ug/l		99
44) Trichloroethene	8.865	130	983378	159.403 ug/l		97
45) 1,2-Dichloropropane	9.146	63	901787	158.852 ug/l		99
46) Dibromomethane	9.231	93	492887	160.372 ug/l		99
47) Bromodichloromethane	9.426	83	1281714	158.071 ug/l		99
48) Methyl methacrylate	9.219	41	573982	179.279 ug/l		99
49) 1,4-Dioxane	9.231	88	112893	3303.532 ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	3052838	847.158 ug/l		99
52) Toluene	10.170	92	2468676	164.423 ug/l		99
53) t-1,3-Dichloropropene	10.395	75	1243642	169.938 ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	1456993	169.068 ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	663115	159.836 ug/l		98
56) Ethyl methacrylate	10.438	69	983339	153.027 ug/l		99
57) 1,3-Dichloropropane	10.719	76	1159589	162.277 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	2086927	760.461 ug/l		99
59) 2-Hexanone	10.761	43	2257507	830.621 ug/l		98
60) Dibromochloromethane	10.914	129	900437	161.860 ug/l		99
61) 1,2-Dibromoethane	11.017	107	623960	165.028 ug/l		99
64) Tetrachloroethene	10.645	164	1073993	149.720 ug/l		98
65) Chlorobenzene	11.444	112	2653945	158.625 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	899977	157.658 ug/l		99
67) Ethyl Benzene	11.517	91	4735004	163.704 ug/l		99
68) m/p-Xylenes	11.627	106	3662998	331.330 ug/l		98
69) o-Xylene	11.956	106	1751753	169.408 ug/l		99
70) Styrene	11.968	104	2898141	170.022 ug/l		100
71) Bromoform	12.133	173	532116	164.976 ug/l	#	99
73) Isopropylbenzene	12.255	105	4595007	166.785 ug/l		100
74) N-amyl acetate	12.072	43	1102752	184.688 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	731655	164.599 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	550722m	148.558 ug/l		
77) Bromobenzene	12.529	156	1034389	161.662 ug/l		98
78) n-propylbenzene	12.596	91	5408902	162.699 ug/l		99
79) 2-Chlorotoluene	12.682	91	3050917	161.589 ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	3673892	164.117 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	271155	175.188 ug/l		98
82) 4-Chlorotoluene	12.779	91	3145945	160.716 ug/l		100
83) tert-Butylbenzene	12.999	119	3352060	166.095 ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	3656720	164.888 ug/l		99
85) sec-Butylbenzene	13.175	105	4840736	161.246 ug/l		99
86) p-Isopropyltoluene	13.291	119	4107675	165.255 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	2027489	157.280 ug/l		100
88) 1,4-Dichlorobenzene	13.364	146	1962768	155.259 ug/l		100
89) n-Butylbenzene	13.614	91	3842972	167.040 ug/l		99
90) Hexachloroethane	13.877	117	822867	157.801 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1765543	157.466 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	114369	163.638 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	1126109	169.402 ug/l		99
94) Hexachlorobutadiene	15.023	225	648633	155.522 ug/l		99
95) Naphthalene	15.145	128	2040346	186.243 ug/l		100
96) 1,2,3-Trichlorobenzene	15.327	180	952579	167.923 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023872.D
Acq On : 03 Dec 2025 15:35
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

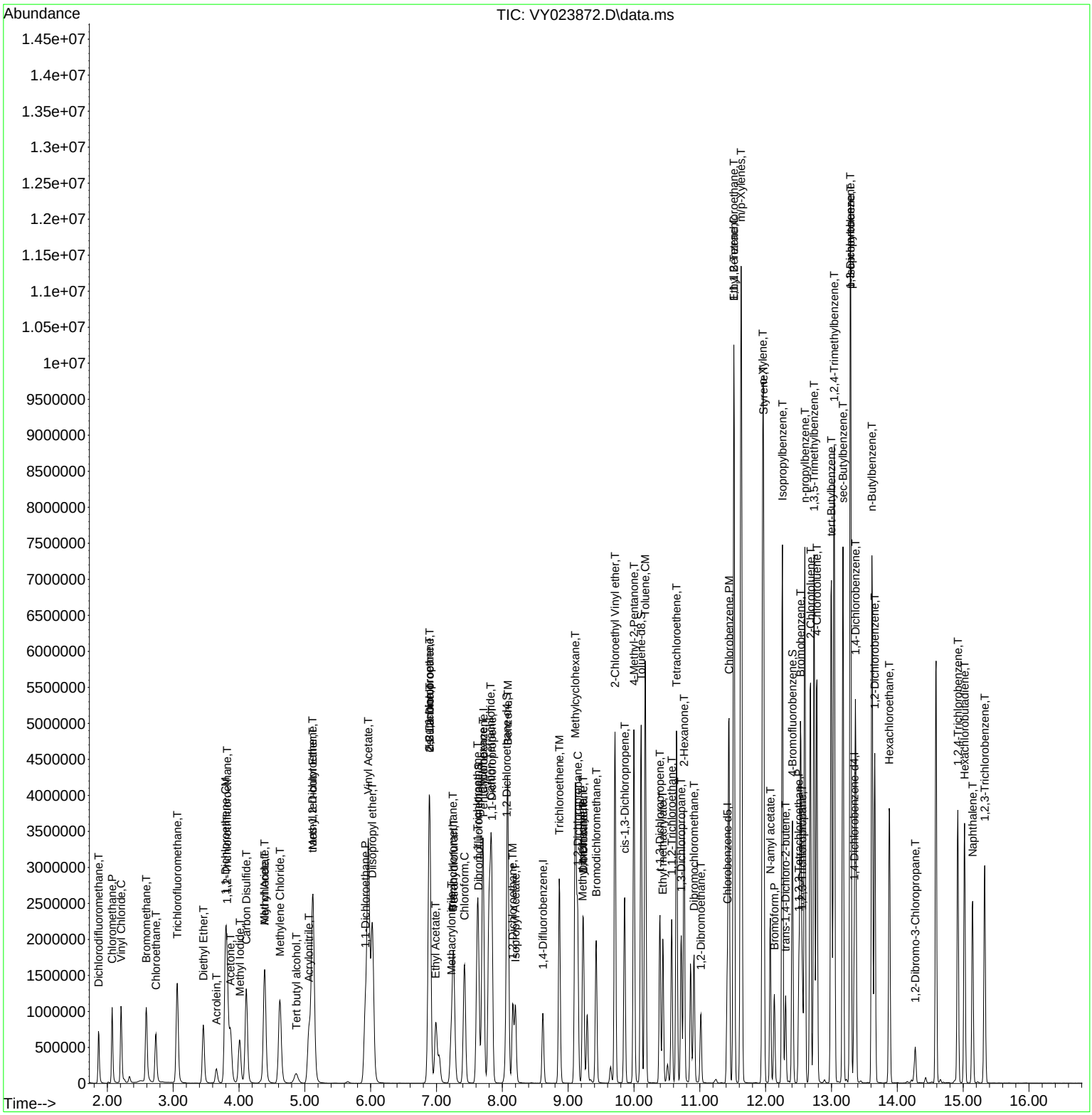
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023872.D
Acq On : 03 Dec 2025 15:35
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023874.D
Acq On : 03 Dec 2025 16:23
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:41:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	474703	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	762810	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	645494	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	317927	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	21111	4.446	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.900%#			
35) Dibromofluoromethane	7.640	113	20238	4.137	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.280%#			
50) Toluene-d8	10.109	98	81132	4.261	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.520%#			
62) 4-Bromofluorobenzene	12.408	95	30562	4.706	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.420%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	18018	5.018	ug/l		96
3) Chloromethane	2.074	50	27697	5.408	ug/l		95
4) Vinyl Chloride	2.208	62	28262	4.837	ug/l		93
5) Bromomethane	2.604	94	24863	5.894	ug/l		99
6) Chloroethane	2.745	64	20986	5.298	ug/l		97
7) Trichlorofluoromethane	3.068	101	41768	5.113	ug/l		100
8) Diethyl Ether	3.464	74	12280	5.018	ug/l		91
9) 1,1,2-Trichlorotrifluo...	3.830	101	25595	5.229	ug/l		97
10) Methyl Iodide	4.013	142	19168	5.800	ug/l		99
11) Tert butyl alcohol	4.860	59	13227	27.637	ug/l	#	91
12) 1,1-Dichloroethene	3.793	96	21876	4.784	ug/l		94
13) Acrolein	3.665	56	6719	22.664	ug/l		94
14) Allyl chloride	4.397	41	35157	4.808	ug/l		99
15) Acrylonitrile	5.067	53	25012	23.482	ug/l		97
16) Acetone	3.873	43	36588	25.712	ug/l		99
17) Carbon Disulfide	4.116	76	60654	4.489	ug/l		99
18) Methyl Acetate	4.391	43	11700	4.847	ug/l		99
19) Methyl tert-butyl Ether	5.122	73	53262	4.637	ug/l		97
20) Methylene Chloride	4.622	84	43003	6.775	ug/l		95
21) trans-1,2-Dichloroethene	5.122	96	25004	4.956	ug/l		100
22) Diisopropyl ether	6.025	45	74629	4.636	ug/l		93
23) Vinyl Acetate	5.970	43	189559	21.242	ug/l		99
24) 1,1-Dichloroethane	5.915	63	46977	5.050	ug/l		98
25) 2-Butanone	6.909	43	42941	25.033	ug/l		94
26) 2,2-Dichloropropane	6.890	77	47331	5.552	ug/l		91
27) cis-1,2-Dichloroethene	6.896	96	29228	4.989	ug/l		95
28) Bromochloromethane	7.244	49	18085	5.089	ug/l		94
29) Tetrahydrofuran	7.274	42	19035	21.456	ug/l		99
30) Chloroform	7.421	83	48600	5.171	ug/l		99
31) Cyclohexane	7.707	56	45882	5.159	ug/l	#	77
32) 1,1,1-Trichloroethane	7.622	97	43564	5.134	ug/l		99
36) 1,1-Dichloropropene	7.841	75	33191	4.601	ug/l		98
37) Ethyl Acetate	6.988	43	14219	4.268	ug/l	#	93
38) Carbon Tetrachloride	7.817	117	38745	4.866	ug/l		97
39) Methylcyclohexane	9.109	83	40100	4.270	ug/l		98
40) Benzene	8.079	78	105496	4.838	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023874.D
Acq On : 03 Dec 2025 16:23
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:41:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.244	41	8144m	4.742 ug/l		
42) 1,2-Dichloroethane	8.158	62	27239	4.787 ug/l		99
43) Isopropyl Acetate	8.201	43	26721	4.287 ug/l	#	91
44) Trichloroethene	8.866	130	27553	4.911 ug/l		95
45) 1,2-Dichloropropane	9.140	63	24705	4.785 ug/l		98
46) Dibromomethane	9.231	93	13417	4.800 ug/l		98
47) Bromodichloromethane	9.426	83	35626	4.831 ug/l		98
48) Methyl methacrylate	9.225	41	10707	3.677 ug/l		86
49) 1,4-Dioxane	9.237	88	2912	93.693 ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	65984	20.133 ug/l		95
52) Toluene	10.170	92	61428	4.499 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	29288	4.400 ug/l		93
54) cis-1,3-Dichloropropene	9.859	75	35136	4.483 ug/l	#	89
55) 1,1,2-Trichloroethane	10.573	97	18101	4.797 ug/l		95
56) Ethyl methacrylate	10.438	69	18369	7.209 ug/l		97
57) 1,3-Dichloropropane	10.719	76	30696	4.723 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	36256	28.963 ug/l		97
59) 2-Hexanone	10.762	43	48466	19.607 ug/l		100
60) Dibromochloromethane	10.908	129	24216	4.786 ug/l		98
61) 1,2-Dibromoethane	11.018	107	15401	4.479 ug/l		97
64) Tetrachloroethene	10.646	164	31020	4.911 ug/l		93
65) Chlorobenzene	11.444	112	72082	4.893 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	24192	4.813 ug/l		96
67) Ethyl Benzene	11.518	91	116453	4.572 ug/l		97
68) m/p-Xylenes	11.627	106	86304	8.865 ug/l		99
69) o-Xylene	11.956	106	39543	4.343 ug/l		95
70) Styrene	11.969	104	65160	4.341 ug/l		98
71) Bromoform	12.133	173	13102	4.613 ug/l	#	97
73) Isopropylbenzene	12.255	105	104866	4.477 ug/l		98
74) N-amyl acetate	12.072	43	19729	3.886 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17437	4.614 ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	16810m	5.333 ug/l		
77) Bromobenzene	12.530	156	26926	4.950 ug/l		99
78) n-propylbenzene	12.597	91	130058	4.601 ug/l		100
79) 2-Chlorotoluene	12.682	91	77538	4.830 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	87840	4.615 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	5688	4.322 ug/l		92
82) 4-Chlorotoluene	12.779	91	81236	4.881 ug/l		99
83) tert-Butylbenzene	12.999	119	78181	4.556 ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	84538	4.484 ug/l		98
85) sec-Butylbenzene	13.176	105	117932	4.620 ug/l		100
86) p-Isopropyltoluene	13.292	119	94033	4.449 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	56628	5.167 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	56715	5.277 ug/l		95
89) n-Butylbenzene	13.621	91	88601	4.530 ug/l		98
90) Hexachloroethane	13.877	117	21947	4.950 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	48782	5.117 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2727	4.589 ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	28570	5.055 ug/l		100
94) Hexachlorobutadiene	15.017	225	18175	5.126 ug/l		98
95) Naphthalene	15.145	128	41125	4.415 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24455	5.070 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023874.D
Acq On : 03 Dec 2025 16:23
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:41:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

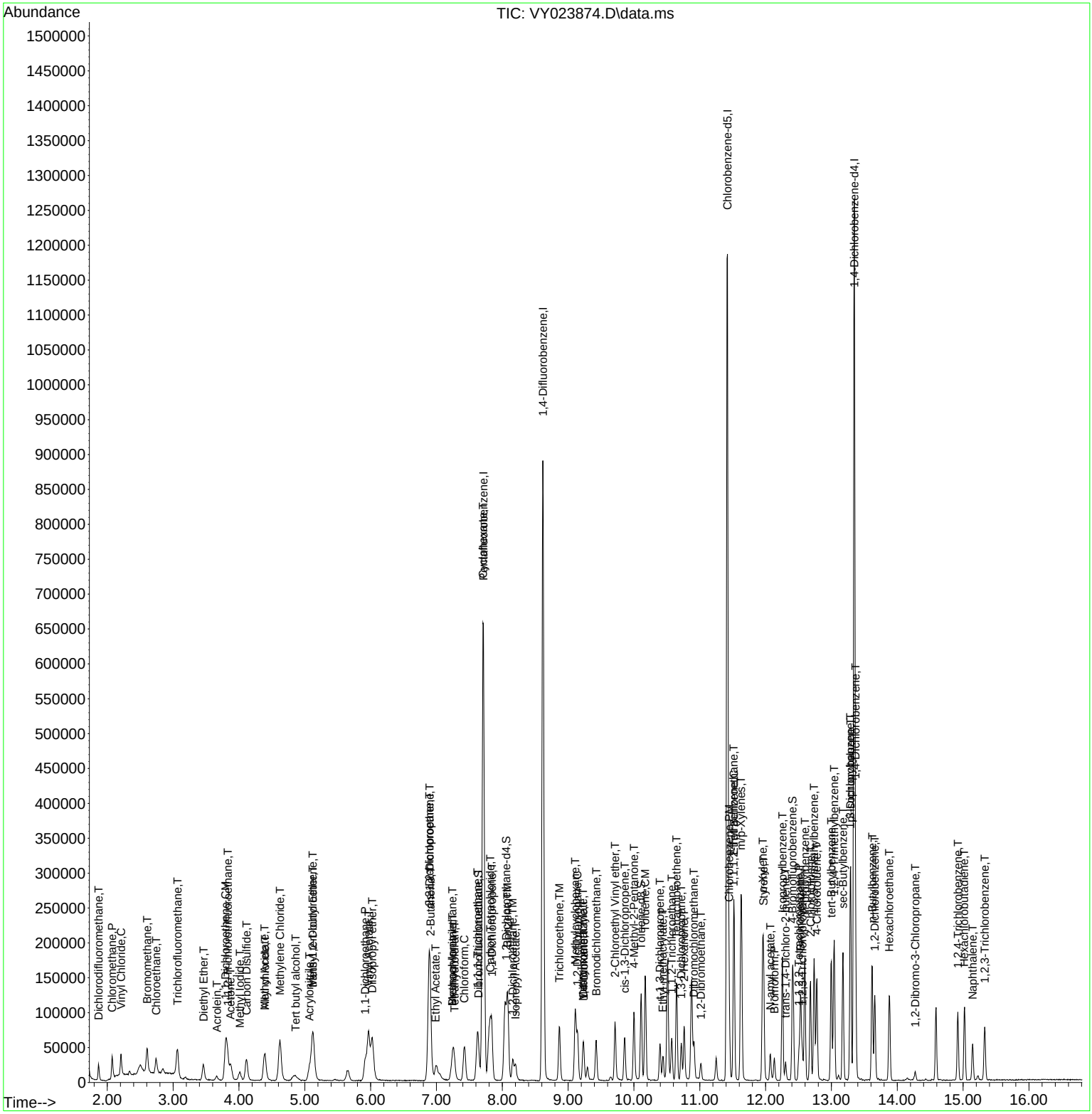
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023874.D
Acq On : 03 Dec 2025 16:23
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:41:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:37:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	525432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	815823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	716411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	374036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	284293	54.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.180%			
35) Dibromofluoromethane	7.640	113	272599	52.098	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.200%			
50) Toluene-d8	10.109	98	1061386	52.127	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.408	95	358862	51.673	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	172420	43.384	ug/l	99
3) Chloromethane	2.074	50	255695	45.103	ug/l	98
4) Vinyl Chloride	2.208	62	294758	45.581	ug/l	100
5) Bromomethane	2.605	94	203758	43.639	ug/l	100
6) Chloroethane	2.739	64	196076	44.722	ug/l	99
7) Trichlorofluoromethane	3.062	101	393900	43.564	ug/l	98
8) Diethyl Ether	3.458	74	122668	45.284	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	231904	42.807	ug/l	99
10) Methyl Iodide	4.013	142	253181	42.530	ug/l	99
11) Tert butyl alcohol	4.866	59	82924	217.802	ug/l	99
12) 1,1-Dichloroethene	3.799	96	226119	44.672	ug/l	95
13) Acrolein	3.665	56	70757	215.627	ug/l	95
14) Allyl chloride	4.391	41	357890	44.223	ug/l	99
15) Acrylonitrile	5.061	53	271047	229.900	ug/l	99
16) Acetone	3.873	43	311512	197.780	ug/l	97
17) Carbon Disulfide	4.110	76	715284	47.827	ug/l	99
18) Methyl Acetate	4.391	43	121832	45.603	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	591365	46.509	ug/l	99
20) Methylene Chloride	4.622	84	253881	44.547	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	253362	45.367	ug/l	97
22) Diisopropyl ether	6.025	45	810330	45.476	ug/l	99
23) Vinyl Acetate	5.964	43	2287391	231.578	ug/l	100
24) 1,1-Dichloroethane	5.921	63	454058	44.102	ug/l	100
25) 2-Butanone	6.896	43	393774	207.389	ug/l	97
26) 2,2-Dichloropropane	6.890	77	384170	40.712	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	290998	44.873	ug/l	99
28) Bromochloromethane	7.244	49	155306	39.479	ug/l	99
29) Tetrahydrofuran	7.268	42	226178	230.334	ug/l	98
30) Chloroform	7.427	83	454978	43.732	ug/l	99
31) Cyclohexane	7.707	56	430423	43.725	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	403881	43.005	ug/l	99
36) 1,1-Dichloropropene	7.841	75	332884	43.145	ug/l	98
37) Ethyl Acetate	6.988	43	159852	44.867	ug/l	98
38) Carbon Tetrachloride	7.823	117	368091	43.227	ug/l	100
39) Methylcyclohexane	9.109	83	455698	45.375	ug/l	98
40) Benzene	8.085	78	1030982	44.208	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	85343	46.469	ug/l	#	98
42) 1,2-Dichloroethane	8.158	62	271887	44.677	ug/l		100
43) Isopropyl Acetate	8.201	43	304281	45.647	ug/l		100
44) Trichloroethene	8.866	130	265697	44.278	ug/l		98
45) 1,2-Dichloropropane	9.140	63	245377	44.438	ug/l		98
46) Dibromomethane	9.231	93	133629	44.700	ug/l		99
47) Bromodichloromethane	9.427	83	349959	44.372	ug/l		100
48) Methyl methacrylate	9.219	41	150676	48.384	ug/l		99
49) 1,4-Dioxane	9.231	88	30643	921.870	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	820163	233.985	ug/l		99
52) Toluene	10.170	92	653929	44.777	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	320706	45.053	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	378372	45.139	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	179439	44.466	ug/l		98
56) Ethyl methacrylate	10.439	69	244243	42.167	ug/l		99
57) 1,3-Dichloropropane	10.719	76	311117	44.762	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	589345	231.228	ug/l		100
59) 2-Hexanone	10.762	43	590302	223.293	ug/l		99
60) Dibromochloromethane	10.914	129	240435	44.434	ug/l		99
61) 1,2-Dibromoethane	11.012	107	167480	45.540	ug/l		99
64) Tetrachloroethene	10.646	164	311504	44.432	ug/l		98
65) Chlorobenzene	11.438	112	708694	43.341	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	242456	43.458	ug/l		100
67) Ethyl Benzene	11.518	91	1239666	43.853	ug/l		99
68) m/p-Xylenes	11.627	106	967023	89.498	ug/l		100
69) o-Xylene	11.957	106	452982	44.823	ug/l		100
70) Styrene	11.969	104	746248	44.794	ug/l		100
71) Bromoform	12.133	173	142561	45.224	ug/l	#	100
73) Isopropylbenzene	12.255	105	1198749	43.500	ug/l		100
74) N-amyl acetate	12.072	43	273449	45.785	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	193466	43.512	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	150230m	40.514	ug/l		
77) Bromobenzene	12.530	156	277903	43.421	ug/l		99
78) n-propylbenzene	12.597	91	1448054	43.546	ug/l		100
79) 2-Chlorotoluene	12.676	91	817600	43.292	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	985833	44.027	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	67032	43.297	ug/l		97
82) 4-Chlorotoluene	12.780	91	843002	43.055	ug/l		99
83) tert-Butylbenzene	12.999	119	873835	43.287	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	980784	44.214	ug/l		100
85) sec-Butylbenzene	13.176	105	1303200	43.398	ug/l		100
86) p-Isopropyltoluene	13.292	119	1090001	43.840	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	549105	42.585	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	539055	42.629	ug/l		99
89) n-Butylbenzene	13.615	91	1004089	43.633	ug/l		100
90) Hexachloroethane	13.877	117	217499	41.699	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	480812	42.872	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31322	44.803	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	284271	42.752	ug/l		99
94) Hexachlorobutadiene	15.023	225	178430	42.771	ug/l		98
95) Naphthalene	15.145	128	496251	45.286	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	243867	42.978	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

ICAL Form

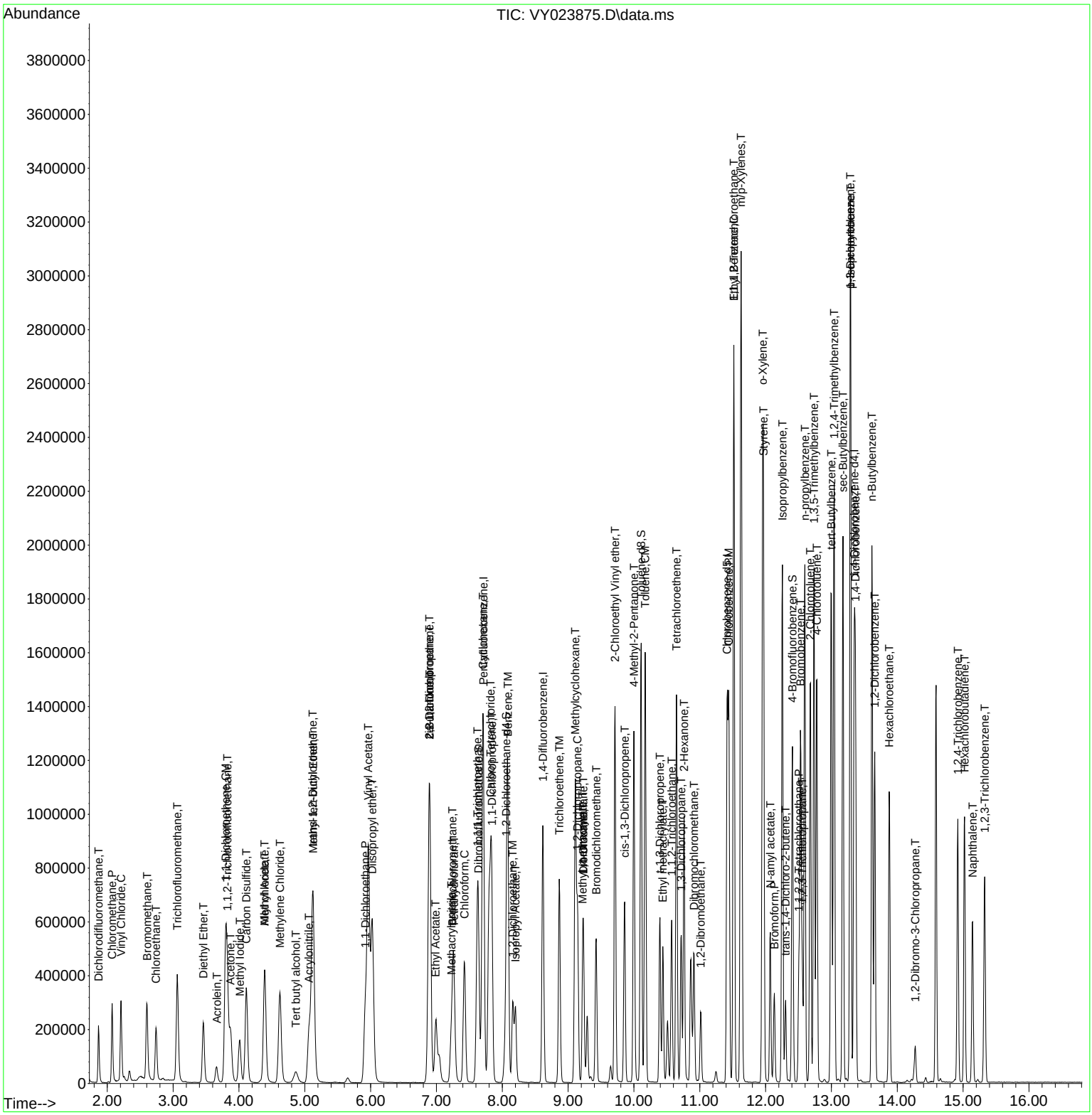
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
Supervised By :Semsettin Yesilyurt 12/04/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.378	0.328	13.2	82	0.00
3	P	Chloromethane	0.539	0.487	9.6	85	0.00
4	C	Vinyl Chloride	0.615	0.561	8.8#	84	0.00
5	T	Bromomethane	0.444	0.388	12.6	90	0.00
6	T	Chloroethane	0.417	0.373	10.6	85	0.00
7	T	Trichlorofluoromethane	0.860	0.750	12.8	83	0.00
8	T	Diethyl Ether	0.258	0.233	9.7	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.441	14.5	83	0.00
10	T	Methyl Iodide	0.513	0.482	6.0	78	0.00
11	T	Tert butyl alcohol	0.041	0.032	22.0	92	0.00
12	CM	1,1-Dichloroethene	0.482	0.430	10.8#	84	0.00
13	T	Acrolein	0.031	0.027	12.9	135	0.01
14	T	Allyl chloride	0.770	0.681	11.6	83	0.00
15	T	Acrylonitrile	0.112	0.103	8.0	88	0.00
16	T	Acetone	0.150	0.119	20.7	81	0.00
17	T	Carbon Disulfide	1.423	1.361	4.4	82	0.00
18	T	Methyl Acetate	0.254	0.232	8.7	88	0.00
19	T	Methyl tert-butyl Ether	1.210	1.125	7.0	88	0.00
20	T	Methylene Chloride	0.610	0.483	20.8	87	0.00
21	T	trans-1,2-Dichloroethene	0.531	0.482	9.2	85	0.00
22	T	Diisopropyl ether	1.696	1.542	9.1	86	0.00
23	T	Vinyl Acetate	0.940	0.871	7.3	85	0.00
24	P	1,1-Dichloroethane	0.980	0.864	11.8	85	0.00
25	T	2-Butanone	0.181	0.150	17.1	84	0.00
26	T	2,2-Dichloropropane	0.898	0.731	18.6	82	0.00
27	T	cis-1,2-Dichloroethene	0.617	0.554	10.2	86	0.00
28	T	Bromochloromethane	0.374	0.296	20.9	70	0.00
29	T	Tetrahydrofuran	0.093	0.086	7.5	85	0.00
30	C	Chloroform	0.990	0.866	12.5#	86	0.00
31	T	Cyclohexane	0.937	0.819	12.6	82	0.00
32	T	1,1,1-Trichloroethane	0.894	0.769	14.0	83	0.00
33	S	1,2-Dichloroethane-d4	0.500	0.541	-8.2	117	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.321	0.334	-4.0	114	0.00
36	T	1,1-Dichloropropene	0.473	0.408	13.7	81	0.00
37	T	Ethyl Acetate	0.218	0.196	10.1	86	0.00
38	T	Carbon Tetrachloride	0.522	0.451	13.6	84	0.00
39	T	Methylcyclohexane	0.616	0.559	9.3	81	0.00
40	TM	Benzene	1.429	1.264	11.5	84	0.00
41	T	Methacrylonitrile	0.113	0.105	7.1	88	0.00
42	TM	1,2-Dichloroethane	0.373	0.333	10.7	87	0.00
43	T	Isopropyl Acetate	0.409	0.373	8.8	88	0.00
44	TM	Trichloroethene	0.368	0.326	11.4	85	0.00
45	C	1,2-Dichloropropane	0.338	0.301	10.9#	86	0.00
46	T	Dibromomethane	0.183	0.164	10.4	87	0.00
47	T	Bromodichloromethane	0.483	0.429	11.2	87	0.00
48	T	Methyl methacrylate	0.191	0.185	3.1	88	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	88	0.00
50	S	Toluene-d8	1.248	1.301	-4.2	114	0.00
51	T	4-Methyl-2-Pentanone	0.215	0.201	6.5	87	0.00
52	CM	Toluene	0.895	0.802	10.4#	84	0.00
53	T	t-1,3-Dichloropropene	0.436	0.393	9.9	85	0.00
54	T	cis-1,3-Dichloropropene	0.514	0.464	9.7	86	0.00
55	T	1,1,2-Trichloroethane	0.247	0.220	10.9	87	0.00
56	T	Ethyl methacrylate	0.316	0.299	5.4	86	0.00
57	T	1,3-Dichloropropane	0.426	0.381	10.6	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.136	0.144	-5.9	91	0.00
59	T	2-Hexanone	0.162	0.145	10.5	85	0.00
60	T	Dibromochloromethane	0.332	0.295	11.1	87	0.00
61	T	1,2-Dibromoethane	0.225	0.205	8.9	87	0.00
62	S	4-Bromofluorobenzene	0.426	0.440	-3.3	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.489	0.435	11.0	87	0.00
65	PM	Chlorobenzene	1.141	0.989	13.3	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.338	13.1	86	0.00
67	C	Ethyl Benzene	1.973	1.730	12.3#	83	0.00
68	T	m/p-Xylenes	0.754	0.675	10.5	85	0.00
69	T	o-Xylene	0.705	0.632	10.4	84	0.00
70	T	Styrene	1.163	1.042	10.4	85	0.00
71	P	Bromoform	0.220	0.199	9.5	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.684	3.205	13.0	84	0.00
74	T	N-amyl acetate	0.798	0.731	8.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.594	0.517	13.0	89	0.00
76	T	1,2,3-Trichloropropane	0.496	0.402	19.0	88	0.00
77	T	Bromobenzene	0.856	0.743	13.2	87	0.00
78	T	n-propylbenzene	4.445	3.871	12.9	84	0.00
79	T	2-Chlorotoluene	2.525	2.186	13.4	85	0.00
80	T	1,3,5-Trimethylbenzene	2.993	2.636	11.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.207	0.179	13.5	85	0.00
82	T	4-Chlorotoluene	2.617	2.254	13.9	85	0.00
83	T	tert-Butylbenzene	2.699	2.336	13.4	83	0.00
84	T	1,2,4-Trimethylbenzene	2.965	2.622	11.6	85	0.00
85	T	sec-Butylbenzene	4.014	3.484	13.2	83	0.00
86	T	p-Isopropyltoluene	3.324	2.914	12.3	83	0.00
87	T	1,3-Dichlorobenzene	1.724	1.468	14.8	86	0.00
88	T	1,4-Dichlorobenzene	1.690	1.441	14.7	86	0.00
89	T	n-Butylbenzene	3.076	2.684	12.7	83	0.00
90	T	Hexachloroethane	0.697	0.581	16.6	85	0.00
91	T	1,2-Dichlorobenzene	1.499	1.285	14.3	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.093	0.084	9.7	92	0.00
93	T	1,2,4-Trichlorobenzene	0.889	0.760	14.5	86	0.00
94	T	Hexachlorobutadiene	0.558	0.477	14.5	86	0.00
95	T	Naphthalene	1.465	1.327	9.4	88	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.759	0.652	14.1	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	43.384	13.2	82	0.00
3	P	Chloromethane	50.000	45.103	9.8	85	0.00
4	C	Vinyl Chloride	50.000	45.581	8.8#	84	0.00
5	T	Bromomethane	50.000	43.639	12.7	90	0.00
6	T	Chloroethane	50.000	44.722	10.6	85	0.00
7	T	Trichlorofluoromethane	50.000	43.564	12.9	83	0.00
8	T	Diethyl Ether	50.000	45.284	9.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	42.807	14.4	83	0.00
10	T	Methyl Iodide	50.000	42.530	14.9	78	0.00
11	T	Tert butyl alcohol	250.000	217.802	12.9	92	0.00
12	CM	1,1-Dichloroethene	50.000	44.672	10.7#	84	0.00
13	T	Acrolein	250.000	215.627	13.7	135	0.01
14	T	Allyl chloride	50.000	44.223	11.6	83	0.00
15	T	Acrylonitrile	250.000	229.900	8.0	88	0.00
16	T	Acetone	250.000	197.780	20.9	81	0.00
17	T	Carbon Disulfide	50.000	47.827	4.3	82	0.00
18	T	Methyl Acetate	50.000	45.603	8.8	88	0.00
19	T	Methyl tert-butyl Ether	50.000	46.509	7.0	88	0.00
20	T	Methylene Chloride	50.000	44.547	10.9	87	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.367	9.3	85	0.00
22	T	Diisopropyl ether	50.000	45.476	9.0	86	0.00
23	T	Vinyl Acetate	250.000	231.578	7.4	85	0.00
24	P	1,1-Dichloroethane	50.000	44.102	11.8	85	0.00
25	T	2-Butanone	250.000	207.389	17.0	84	0.00
26	T	2,2-Dichloropropane	50.000	40.712	18.6	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.873	10.3	86	0.00
28	T	Bromochloromethane	50.000	39.479	21.0	70	0.00
29	T	Tetrahydrofuran	250.000	230.334	7.9	85	0.00
30	C	Chloroform	50.000	43.732	12.5#	86	0.00
31	T	Cyclohexane	50.000	43.725	12.5	82	0.00
32	T	1,1,1-Trichloroethane	50.000	43.005	14.0	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.087	-8.2	117	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	52.098	-4.2	114	0.00
36	T	1,1-Dichloropropene	50.000	43.145	13.7	81	0.00
37	T	Ethyl Acetate	50.000	44.867	10.3	86	0.00
38	T	Carbon Tetrachloride	50.000	43.227	13.5	84	0.00
39	T	Methylcyclohexane	50.000	45.375	9.3	81	0.00
40	TM	Benzene	50.000	44.208	11.6	84	0.00
41	T	Methacrylonitrile	50.000	46.469	7.1	88	0.00
42	TM	1,2-Dichloroethane	50.000	44.677	10.6	87	0.00
43	T	Isopropyl Acetate	50.000	45.647	8.7	88	0.00
44	TM	Trichloroethene	50.000	44.278	11.4	85	0.00
45	C	1,2-Dichloropropane	50.000	44.438	11.1#	86	0.00
46	T	Dibromomethane	50.000	44.700	10.6	87	0.00
47	T	Bromodichloromethane	50.000	44.372	11.3	87	0.00
48	T	Methyl methacrylate	50.000	48.384	3.2	88	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	921.870	7.8	88	0.00
50	S	Toluene-d8	50.000	52.127	-4.3	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	233.985	6.4	87	0.00
52	CM	Toluene	50.000	44.777	10.4#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	45.053	9.9	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	45.139	9.7	86	0.00
55	T	1,1,2-Trichloroethane	50.000	44.466	11.1	87	0.00
56	T	Ethyl methacrylate	50.000	42.167	15.7	86	0.00
57	T	1,3-Dichloropropane	50.000	44.762	10.5	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	231.228	7.5	91	0.00
59	T	2-Hexanone	250.000	223.293	10.7	85	0.00
60	T	Dibromochloromethane	50.000	44.434	11.1	87	0.00
61	T	1,2-Dibromoethane	50.000	45.540	8.9	87	0.00
62	S	4-Bromofluorobenzene	50.000	51.673	-3.3	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	44.432	11.1	87	0.00
65	PM	Chlorobenzene	50.000	43.341	13.3	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	43.458	13.1	86	0.00
67	C	Ethyl Benzene	50.000	43.853	12.3#	83	0.00
68	T	m/p-Xylenes	100.000	89.498	10.5	85	0.00
69	T	o-Xylene	50.000	44.823	10.4	84	0.00
70	T	Styrene	50.000	44.794	10.4	85	0.00
71	P	Bromoform	50.000	45.224	9.6	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	43.500	13.0	84	0.00
74	T	N-amyl acetate	50.000	45.785	8.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.512	13.0	89	0.00
76	T	1,2,3-Trichloropropane	50.000	40.514	19.0	88	0.00
77	T	Bromobenzene	50.000	43.421	13.2	87	0.00
78	T	n-propylbenzene	50.000	43.546	12.9	84	0.00
79	T	2-Chlorotoluene	50.000	43.292	13.4	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	44.027	11.9	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.297	13.4	85	0.00
82	T	4-Chlorotoluene	50.000	43.055	13.9	85	0.00
83	T	tert-Butylbenzene	50.000	43.287	13.4	83	0.00
84	T	1,2,4-Trimethylbenzene	50.000	44.214	11.6	85	0.00
85	T	sec-Butylbenzene	50.000	43.398	13.2	83	0.00
86	T	p-Isopropyltoluene	50.000	43.840	12.3	83	0.00
87	T	1,3-Dichlorobenzene	50.000	42.585	14.8	86	0.00
88	T	1,4-Dichlorobenzene	50.000	42.629	14.7	86	0.00
89	T	n-Butylbenzene	50.000	43.633	12.7	83	0.00
90	T	Hexachloroethane	50.000	41.699	16.6	85	0.00
91	T	1,2-Dichlorobenzene	50.000	42.872	14.3	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.803	10.4	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.752	14.5	86	0.00
94	T	Hexachlorobutadiene	50.000	42.771	14.5	86	0.00
95	T	Naphthalene	50.000	45.286	9.4	88	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023875.D
Acq On : 03 Dec 2025 17:08
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY120325

Quant Time: Dec 04 03:54:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.978	14.0	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY023829.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/01/2025 07:55
Lab File ID: VY023829.D
Init. Calib. Date(s): 11/26/2025 11/26/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:04 10:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.377	0.352		-6.63	20
Chloromethane	0.576	0.473	0.1	-17.88	20
Vinyl Chloride	0.624	0.570		-8.65	20
Bromomethane	0.440	0.360		-18.18	20
Chloroethane	0.406	0.380		-6.4	20
Trichlorofluoromethane	0.843	0.848		0.59	20
1,1,2-Trichlorotrifluoroethane	0.492	0.526		6.91	20
1,1-Dichloroethene	0.484	0.491		1.45	20
Acetone	0.140	0.158		12.86	20
Carbon Disulfide	1.562	1.340		-14.21	20
Methyl tert-butyl Ether	1.237	1.330		7.52	20
Methyl Acetate	0.271	0.304		12.18	20
Methylene Chloride	0.593	0.531		-10.45	20
trans-1,2-Dichloroethene	0.536	0.539		0.56	20
1,1-Dichloroethane	0.976	1.008	0.1	3.28	20
Cyclohexane	0.936	0.916		-2.14	20
2-Butanone	0.171	0.187		9.36	20
Carbon Tetrachloride	0.498	0.548		10.04	20
cis-1,2-Dichloroethene	0.622	0.639		2.73	20
Bromochloromethane	0.406	0.389		-4.19	20
Chloroform	0.981	1.019		3.87	20
1,1,1-Trichloroethane	0.871	0.916		5.17	20
Methylcyclohexane	0.600	0.648		8	20
Benzene	1.398	1.495		6.94	20
1,2-Dichloroethane	0.360	0.396		10	20
Trichloroethene	0.359	0.392		9.19	20
1,2-Dichloropropane	0.330	0.363		10	20
Bromodichloromethane	0.467	0.516		10.49	20
4-Methyl-2-Pentanone	0.210	0.252		20	20
Toluene	0.866	0.957		10.51	20
t-1,3-Dichloropropene	0.428	0.474		10.75	20
cis-1,3-Dichloropropene	0.512	0.561		9.57	20
1,1,2-Trichloroethane	0.240	0.275		14.58	20
2-Hexanone	0.155	0.188		21.29	20
Dibromochloromethane	0.321	0.361		12.46	20
1,2-Dibromoethane	0.222	0.249		12.16	20
Tetrachloroethene	0.474	0.532		12.24	20
Chlorobenzene	1.098	1.206	0.3	9.84	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY023829.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/01/2025 07:55
Lab File ID: VY023829.D
Init. Calib. Date(s): 11/26/2025 11/26/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:04 10:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.875	2.141		14.19	20
m/p-Xylenes	0.722	0.815		12.88	20
o-Xylene	0.677	0.762		12.56	20
Styrene	1.116	1.275		14.25	20
Bromoform	0.217	0.246	0.1	13.36	20
Isopropylbenzene	3.549	4.062		14.45	20
1,1,2,2-Tetrachloroethane	0.584	0.664	0.3	13.7	20
1,3-Dichlorobenzene	1.673	1.834		9.62	20
1,4-Dichlorobenzene	1.670	1.788		7.07	20
1,2-Dichlorobenzene	1.463	1.606		9.77	20
1,2-Dibromo-3-Chloropropane	0.098	0.107		9.18	20
1,2,4-Trichlorobenzene	0.872	0.955		9.52	20
1,2,3-Trichlorobenzene	0.743	0.826		11.17	20
1,2-Dichloroethane-d4	0.487	0.517		6.16	20
Dibromofluoromethane	0.296	0.332		12.16	20
Toluene-d8	1.176	1.313		11.65	20
4-Bromofluorobenzene	0.387	0.437		12.92	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	565841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	855261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	736930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	375940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	292717	53.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.240%			
35) Dibromofluoromethane	7.640	113	284370	56.128	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.260%			
50) Toluene-d8	10.109	98	1122581	55.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.560%			
62) 4-Bromofluorobenzene	12.408	95	373417	56.395	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	199116	46.693	ug/l	98
3) Chloromethane	2.074	50	267751	41.042	ug/l	100
4) Vinyl Chloride	2.214	62	322576	45.709	ug/l	100
5) Bromomethane	2.604	94	203955	40.968	ug/l	99
6) Chloroethane	2.745	64	214827	46.709	ug/l	100
7) Trichlorofluoromethane	3.068	101	479832	50.290	ug/l	98
8) Diethyl Ether	3.464	74	153314	51.018	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	297527	53.429	ug/l	99
10) Methyl Iodide	4.013	142	325078	53.273	ug/l	99
11) Tert butyl alcohol	4.878	59	99828	220.581	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	277660	50.683	ug/l	94
13) Acrolein	3.659	56	85436	131.320	ug/l	98
14) Allyl chloride	4.397	41	447397	51.550	ug/l	100
15) Acrylonitrile	5.067	53	363057	279.919	ug/l	99
16) Acetone	3.879	43	447588	281.920	ug/l	98
17) Carbon Disulfide	4.116	76	758506	42.901	ug/l	98
18) Methyl Acetate	4.397	43	172059	56.118	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	752709	53.764	ug/l	97
20) Methylene Chloride	4.628	84	300248	44.733	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	304799	50.250	ug/l	97
22) Diisopropyl ether	6.025	45	1016024	54.141	ug/l	100
23) Vinyl Acetate	5.970	43	2875222	275.519	ug/l	100
24) 1,1-Dichloroethane	5.921	63	570383	51.666	ug/l	97
25) 2-Butanone	6.902	43	530431	273.766	ug/l	98
26) 2,2-Dichloropropane	6.890	77	501519	51.251	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	361391	51.306	ug/l	99
28) Bromochloromethane	7.250	49	220152	47.941	ug/l	99
29) Tetrahydrofuran	7.268	42	302501	279.924	ug/l	99
30) Chloroform	7.427	83	576817	51.961	ug/l	100
31) Cyclohexane	7.707	56	518325	48.926	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	518459	52.616	ug/l	99
36) 1,1-Dichloropropene	7.841	75	423829	54.560	ug/l	99
37) Ethyl Acetate	6.994	43	213042	58.305	ug/l	99
38) Carbon Tetrachloride	7.823	117	468287	54.920	ug/l	99
39) Methylcyclohexane	9.115	83	554459	54.044	ug/l	99
40) Benzene	8.085	78	1278955	53.501	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	118961	65.213	ug/l		90
42) 1,2-Dichloroethane	8.164	62	338640	54.948	ug/l		99
43) Isopropyl Acetate	8.201	43	378976	55.501	ug/l		100
44) Trichloroethene	8.872	130	335169	54.645	ug/l		98
45) 1,2-Dichloropropane	9.146	63	310559	55.100	ug/l		98
46) Dibromomethane	9.237	93	167018	54.610	ug/l		98
47) Bromodichloromethane	9.426	83	441190	55.198	ug/l		96
48) Methyl methacrylate	9.225	41	186940	58.148	ug/l		99
49) 1,4-Dioxane	9.237	88	40480	1180.999	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	1079247	300.240	ug/l		100
52) Toluene	10.176	92	818319	55.219	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	405436	55.375	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	479494	54.711	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	235303	57.435	ug/l		96
56) Ethyl methacrylate	10.444	69	313367	58.253	ug/l		100
57) 1,3-Dichloropropane	10.719	76	401661	56.202	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	640398	247.809	ug/l		100
59) 2-Hexanone	10.761	43	801922	301.685	ug/l		100
60) Dibromochloromethane	10.914	129	308523	56.119	ug/l		99
61) 1,2-Dibromoethane	11.018	107	213209	56.066	ug/l		98
64) Tetrachloroethene	10.652	164	392087	56.086	ug/l		97
65) Chlorobenzene	11.444	112	888796	54.945	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	308580	56.153	ug/l		100
67) Ethyl Benzene	11.524	91	1577940	57.109	ug/l		99
68) m/p-Xylenes	11.633	106	1201612	112.859	ug/l		100
69) o-Xylene	11.956	106	561357	56.239	ug/l		99
70) Styrene	11.975	104	939742	57.152	ug/l		100
71) Bromoform	12.133	173	181561	56.641	ug/l	#	99
73) Isopropylbenzene	12.255	105	1527097	57.235	ug/l		99
74) N-amyl acetate	12.072	43	335419	56.270	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	249514	56.801	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	182499m	55.823	ug/l		
77) Bromobenzene	12.536	156	347128	55.313	ug/l		100
78) n-propylbenzene	12.597	91	1837804	57.211	ug/l		100
79) 2-Chlorotoluene	12.682	91	1025232	55.453	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1238236	56.849	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	88424	57.170	ug/l		98
82) 4-Chlorotoluene	12.779	91	1047263	55.156	ug/l		99
83) tert-Butylbenzene	12.999	119	1116803	57.075	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	1226704	56.354	ug/l		100
85) sec-Butylbenzene	13.176	105	1672023	57.888	ug/l		99
86) p-Isopropyltoluene	13.292	119	1385976	57.408	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	689486	54.819	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	672165	53.540	ug/l		100
89) n-Butylbenzene	13.621	91	1282431	57.933	ug/l		100
90) Hexachloroethane	13.883	117	280638	55.326	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	603900	54.906	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	40358	54.888	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	358930	54.733	ug/l		99
94) Hexachlorobutadiene	15.023	225	220403	53.968	ug/l		99
95) Naphthalene	15.145	128	645182	58.337	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	310339	55.565	ug/l		98

Sample Results: **VY023829.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

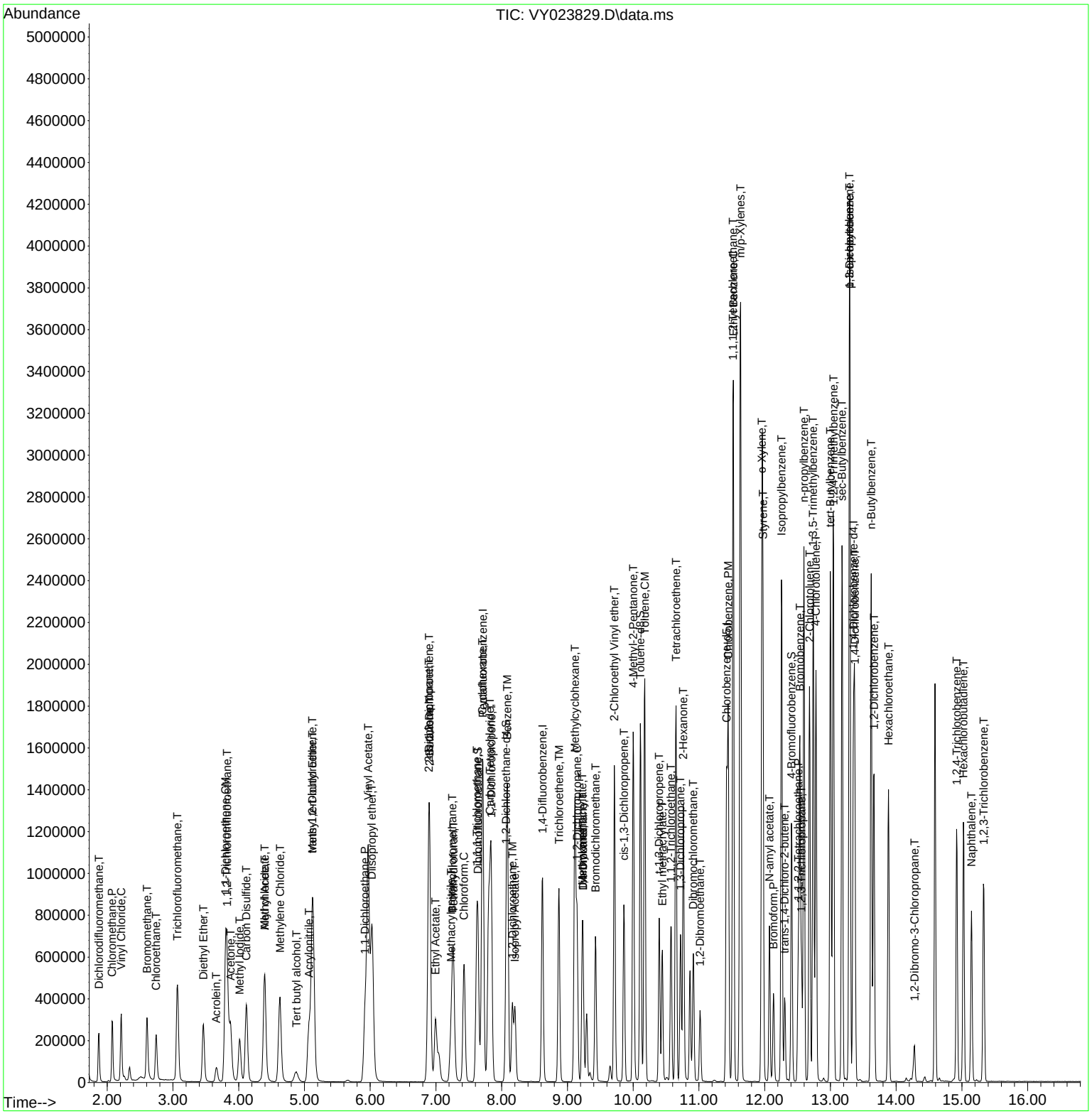
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



Evaluate Continuing Calibration Report

Sample Results: **VY023829.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	0.377	0.352	6.6	103	0.00
3	P	Chloromethane	0.576	0.473	17.9	88	0.00
4	C	Vinyl Chloride	0.624	0.570	8.7#	94	0.00
5	T	Bromomethane	0.440	0.360	18.2	93	0.00
6	T	Chloroethane	0.406	0.380	6.4	95	0.00
7	T	Trichlorofluoromethane	0.843	0.848	-0.6	103	0.00
8	T	Diethyl Ether	0.266	0.271	-1.9	103	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.492	0.526	-6.9	110	0.00
10	T	Methyl Iodide	0.539	0.575	-6.7	98	0.00
11	T	Tert butyl alcohol	0.040	0.035	12.5	104	0.02
12	CM	1,1-Dichloroethene	0.484	0.491	-1.4#	103	0.00
13	T	Acrolein	0.057	0.030	47.4#	53	0.00
14	T	Allyl chloride	0.767	0.791	-3.1	102	0.01
15	T	Acrylonitrile	0.115	0.128	-11.3	110	0.00
16	T	Acetone	0.140	0.158	-12.9	116	0.01
17	T	Carbon Disulfide	1.562	1.340	14.2	88	0.00
18	T	Methyl Acetate	0.271	0.304	-12.2	117	0.00
19	T	Methyl tert-butyl Ether	1.237	1.330	-7.5	106	0.00
20	T	Methylene Chloride	0.593	0.531	10.5	99	0.00
21	T	trans-1,2-Dichloroethene	0.536	0.539	-0.6	102	0.00
22	T	Diisopropyl ether	1.658	1.796	-8.3	106	0.00
23	T	Vinyl Acetate	0.922	1.016	-10.2	105	0.00
24	P	1,1-Dichloroethane	0.976	1.008	-3.3	105	0.00
25	T	2-Butanone	0.171	0.187	-9.4	110	0.00
26	T	2,2-Dichloropropane	0.865	0.886	-2.4	105	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.639	-2.7	104	0.00
28	T	Bromochloromethane	0.406	0.389	4.2	97	0.00
29	T	Tetrahydrofuran	0.095	0.107	-12.6	109	0.00
30	C	Chloroform	0.981	1.019	-3.9#	105	0.00
31	T	Cyclohexane	0.936	0.916	2.1	101	0.00
32	T	1,1,1-Trichloroethane	0.871	0.916	-5.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.487	0.517	-6.2	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.296	0.332	-12.2	105	0.00
36	T	1,1-Dichloropropene	0.454	0.496	-9.3	105	0.00
37	T	Ethyl Acetate	0.214	0.249	-16.4	110	0.00
38	T	Carbon Tetrachloride	0.498	0.548	-10.0	106	0.00
39	T	Methylcyclohexane	0.600	0.648	-8.0	102	0.00
40	TM	Benzene	1.398	1.495	-6.9	103	0.00
41	T	Methacrylonitrile	0.107	0.139	-29.9#	128	0.01
42	TM	1,2-Dichloroethane	0.360	0.396	-10.0	105	0.00
43	T	Isopropyl Acetate	0.399	0.443	-11.0	104	0.00
44	TM	Trichloroethene	0.359	0.392	-9.2	105	0.00
45	C	1,2-Dichloropropane	0.330	0.363	-10.0#	105	0.00
46	T	Dibromomethane	0.179	0.195	-8.9	105	0.00
47	T	Bromodichloromethane	0.467	0.516	-10.5	106	0.00
48	T	Methyl methacrylate	0.188	0.219	-16.5	105	0.00

Sample Results: **VY023829.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	111	0.01
50	S	Toluene-d8	1.176	1.313	-11.6	103	0.00
51	T	4-Methyl-2-Pentanone	0.210	0.252	-20.0	110	0.00
52	CM	Toluene	0.866	0.957	-10.5#	102	0.00
53	T	t-1,3-Dichloropropene	0.428	0.474	-10.7	103	0.00
54	T	cis-1,3-Dichloropropene	0.512	0.561	-9.6	104	0.00
55	T	1,1,2-Trichloroethane	0.240	0.275	-14.6	108	0.00
56	T	Ethyl methacrylate	0.314	0.366	-16.6	104	0.00
57	T	1,3-Dichloropropane	0.418	0.470	-12.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.150	0.7	91	0.00
59	T	2-Hexanone	0.155	0.188	-21.3	110	0.00
60	T	Dibromochloromethane	0.321	0.361	-12.5	107	0.00
61	T	1,2-Dibromoethane	0.222	0.249	-12.2	108	0.00
62	S	4-Bromofluorobenzene	0.387	0.437	-12.9	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.474	0.532	-12.2	106	0.00
65	PM	Chlorobenzene	1.098	1.206	-9.8	103	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.419	-12.3	106	0.00
67	C	Ethyl Benzene	1.875	2.141	-14.2#	104	0.00
68	T	m/p-Xylenes	0.722	0.815	-12.9	103	0.00
69	T	o-Xylene	0.677	0.762	-12.6	103	0.00
70	T	Styrene	1.116	1.275	-14.2	103	0.00
71	P	Bromoform	0.217	0.246	-13.4	107	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.549	4.062	-14.5	105	0.00
74	T	N-amyl acetate	0.793	0.892	-12.5	100	0.00
75	P	1,1,2,2-Tetrachloroethane	0.584	0.664	-13.7	107	0.00
76	T	1,2,3-Trichloropropane	0.435	0.485	-11.5	102	0.00
77	T	Bromobenzene	0.835	0.923	-10.5	104	0.00
78	T	n-propylbenzene	4.272	4.889	-14.4	105	0.00
79	T	2-Chlorotoluene	2.459	2.727	-10.9	103	0.00
80	T	1,3,5-Trimethylbenzene	2.897	3.294	-13.7	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.206	0.235	-14.1	106	0.00
82	T	4-Chlorotoluene	2.525	2.786	-10.3	101	0.00
83	T	tert-Butylbenzene	2.602	2.971	-14.2	105	0.00
84	T	1,2,4-Trimethylbenzene	2.895	3.263	-12.7	103	0.00
85	T	sec-Butylbenzene	3.842	4.448	-15.8	105	0.00
86	T	p-Isopropyltoluene	3.211	3.687	-14.8	104	0.00
87	T	1,3-Dichlorobenzene	1.673	1.834	-9.6	103	0.00
88	T	1,4-Dichlorobenzene	1.670	1.788	-7.1	102	0.00
89	T	n-Butylbenzene	2.944	3.411	-15.9	104	0.00
90	T	Hexachloroethane	0.675	0.746	-10.5	105	0.00
91	T	1,2-Dichlorobenzene	1.463	1.606	-9.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.107	-9.2	106	0.00
93	T	1,2,4-Trichlorobenzene	0.872	0.955	-9.5	101	0.00
94	T	Hexachlorobutadiene	0.543	0.586	-7.9	103	0.00
95	T	Naphthalene	1.471	1.716	-16.7	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.826	-11.2	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY023829.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	50.000	46.693	6.6	103	0.00
3	P	Chloromethane	50.000	41.042	17.9	88	0.00
4	C	Vinyl Chloride	50.000	45.709	8.6#	94	0.00
5	T	Bromomethane	50.000	40.968	18.1	93	0.00
6	T	Chloroethane	50.000	46.709	6.6	95	0.00
7	T	Trichlorofluoromethane	50.000	50.290	-0.6	103	0.00
8	T	Diethyl Ether	50.000	51.018	-2.0	103	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.429	-6.9	110	0.00
10	T	Methyl Iodide	50.000	53.273	-6.5	98	0.00
11	T	Tert butyl alcohol	250.000	220.581	11.8	104	0.02
12	CM	1,1-Dichloroethene	50.000	50.683	-1.4#	103	0.00
13	T	Acrolein	250.000	131.320	47.5#	53	0.00
14	T	Allyl chloride	50.000	51.550	-3.1	102	0.01
15	T	Acrylonitrile	250.000	279.919	-12.0	110	0.00
16	T	Acetone	250.000	281.920	-12.8	116	0.01
17	T	Carbon Disulfide	50.000	42.901	14.2	88	0.00
18	T	Methyl Acetate	50.000	56.118	-12.2	117	0.00
19	T	Methyl tert-butyl Ether	50.000	53.764	-7.5	106	0.00
20	T	Methylene Chloride	50.000	44.733	10.5	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.250	-0.5	102	0.00
22	T	Diisopropyl ether	50.000	54.141	-8.3	106	0.00
23	T	Vinyl Acetate	250.000	275.519	-10.2	105	0.00
24	P	1,1-Dichloroethane	50.000	51.666	-3.3	105	0.00
25	T	2-Butanone	250.000	273.766	-9.5	110	0.00
26	T	2,2-Dichloropropane	50.000	51.251	-2.5	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.306	-2.6	104	0.00
28	T	Bromochloromethane	50.000	47.941	4.1	97	0.00
29	T	Tetrahydrofuran	250.000	279.924	-12.0	109	0.00
30	C	Chloroform	50.000	51.961	-3.9#	105	0.00
31	T	Cyclohexane	50.000	48.926	2.1	101	0.00
32	T	1,1,1-Trichloroethane	50.000	52.616	-5.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.121	-6.2	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	56.128	-12.3	105	0.00
36	T	1,1-Dichloropropene	50.000	54.560	-9.1	105	0.00
37	T	Ethyl Acetate	50.000	58.305	-16.6	110	0.00
38	T	Carbon Tetrachloride	50.000	54.920	-9.8	106	0.00
39	T	Methylcyclohexane	50.000	54.044	-8.1	102	0.00
40	TM	Benzene	50.000	53.501	-7.0	103	0.00
41	T	Methacrylonitrile	50.000	65.213	-30.4#	128	0.01
42	TM	1,2-Dichloroethane	50.000	54.948	-9.9	105	0.00
43	T	Isopropyl Acetate	50.000	55.501	-11.0	104	0.00
44	TM	Trichloroethene	50.000	54.645	-9.3	105	0.00
45	C	1,2-Dichloropropane	50.000	55.100	-10.2#	105	0.00
46	T	Dibromomethane	50.000	54.610	-9.2	105	0.00
47	T	Bromodichloromethane	50.000	55.198	-10.4	106	0.00
48	T	Methyl methacrylate	50.000	58.148	-16.3	105	0.00

Sample Results: **VY023829.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1180.999	-18.1	111	0.01
50	S	Toluene-d8	50.000	55.783	-11.6	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	300.240	-20.1	110	0.00
52	CM	Toluene	50.000	55.219	-10.4#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	55.375	-10.8	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.711	-9.4	104	0.00
55	T	1,1,2-Trichloroethane	50.000	57.435	-14.9	108	0.00
56	T	Ethyl methacrylate	50.000	58.253	-16.5	104	0.00
57	T	1,3-Dichloropropane	50.000	56.202	-12.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.809	0.9	91	0.00
59	T	2-Hexanone	250.000	301.685	-20.7	110	0.00
60	T	Dibromochloromethane	50.000	56.119	-12.2	107	0.00
61	T	1,2-Dibromoethane	50.000	56.066	-12.1	108	0.00
62	S	4-Bromofluorobenzene	50.000	56.395	-12.8	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	56.086	-12.2	106	0.00
65	PM	Chlorobenzene	50.000	54.945	-9.9	103	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.153	-12.3	106	0.00
67	C	Ethyl Benzene	50.000	57.109	-14.2#	104	0.00
68	T	m/p-Xylenes	100.000	112.859	-12.9	103	0.00
69	T	o-Xylene	50.000	56.239	-12.5	103	0.00
70	T	Styrene	50.000	57.152	-14.3	103	0.00
71	P	Bromoform	50.000	56.641	-13.3	107	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	57.235	-14.5	105	0.00
74	T	N-amyl acetate	50.000	56.270	-12.5	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	56.801	-13.6	107	0.00
76	T	1,2,3-Trichloropropane	50.000	55.823	-11.6	102	0.00
77	T	Bromobenzene	50.000	55.313	-10.6	104	0.00
78	T	n-propylbenzene	50.000	57.211	-14.4	105	0.00
79	T	2-Chlorotoluene	50.000	55.453	-10.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.849	-13.7	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.170	-14.3	106	0.00
82	T	4-Chlorotoluene	50.000	55.156	-10.3	101	0.00
83	T	tert-Butylbenzene	50.000	57.075	-14.2	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.354	-12.7	103	0.00
85	T	sec-Butylbenzene	50.000	57.888	-15.8	105	0.00
86	T	p-Isopropyltoluene	50.000	57.408	-14.8	104	0.00
87	T	1,3-Dichlorobenzene	50.000	54.819	-9.6	103	0.00
88	T	1,4-Dichlorobenzene	50.000	53.540	-7.1	102	0.00
89	T	n-Butylbenzene	50.000	57.933	-15.9	104	0.00
90	T	Hexachloroethane	50.000	55.326	-10.7	105	0.00
91	T	1,2-Dichlorobenzene	50.000	54.906	-9.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.888	-9.8	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.733	-9.5	101	0.00
94	T	Hexachlorobutadiene	50.000	53.968	-7.9	103	0.00
95	T	Naphthalene	50.000	58.337	-16.7	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023829.D
Acq On : 01 Dec 2025 07:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.565	-11.1	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY023849.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/02/2025 09:14
Lab File ID: VY023849.D
Init. Calib. Date(s): 11/26/2025 11/26/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:04 10:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.377	0.394		4.51	20
Chloromethane	0.576	0.577	0.1	0.17	20
Vinyl Chloride	0.624	0.668		7.05	20
Bromomethane	0.440	0.438		-0.46	20
Chloroethane	0.406	0.428		5.42	20
Trichlorofluoromethane	0.843	0.887		5.22	20
1,1,2-Trichlorotrifluoroethane	0.492	0.518		5.28	20
1,1-Dichloroethene	0.484	0.518		7.03	20
Acetone	0.140	0.184		31.43	20
Carbon Disulfide	1.562	1.710		9.48	20
Methyl tert-butyl Ether	1.237	1.274		2.99	20
Methyl Acetate	0.271	0.262		-3.32	20
Methylene Chloride	0.593	0.551		-7.08	20
trans-1,2-Dichloroethene	0.536	0.581		8.4	20
1,1-Dichloroethane	0.976	1.037	0.1	6.25	20
Cyclohexane	0.936	0.999		6.73	20
2-Butanone	0.171	0.201		17.54	20
Carbon Tetrachloride	0.498	0.544		9.24	20
cis-1,2-Dichloroethene	0.622	0.654		5.14	20
Bromochloromethane	0.406	0.406		0	20
Chloroform	0.981	1.035		5.51	20
1,1,1-Trichloroethane	0.871	0.928		6.54	20
Methylcyclohexane	0.600	0.659		9.83	20
Benzene	1.398	1.520		8.73	20
1,2-Dichloroethane	0.360	0.381		5.83	20
Trichloroethene	0.359	0.385		7.24	20
1,2-Dichloropropane	0.330	0.357		8.18	20
Bromodichloromethane	0.467	0.493		5.57	20
4-Methyl-2-Pentanone	0.210	0.226		7.62	20
Toluene	0.866	0.960		10.85	20
t-1,3-Dichloropropene	0.428	0.458		7.01	20
cis-1,3-Dichloropropene	0.512	0.547		6.84	20
1,1,2-Trichloroethane	0.240	0.251		4.58	20
2-Hexanone	0.155	0.185		19.35	20
Dibromochloromethane	0.321	0.336		4.67	20
1,2-Dibromoethane	0.222	0.234		5.41	20
Tetrachloroethene	0.474	0.519		9.49	20
Chlorobenzene	1.098	1.184	0.3	7.83	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY023849.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/02/2025 09:14
Lab File ID: VY023849.D
Init. Calib. Date(s): 11/26/2025 11/26/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 08:04 10:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.875	2.111		12.59	20
m/p-Xylenes	0.722	0.812		12.47	20
o-Xylene	0.677	0.758		11.97	20
Styrene	1.116	1.255		12.45	20
Bromoform	0.217	0.229	0.1	5.53	20
Isopropylbenzene	3.549	3.929		10.71	20
1,1,2,2-Tetrachloroethane	0.584	0.601	0.3	2.91	20
1,3-Dichlorobenzene	1.673	1.755		4.9	20
1,4-Dichlorobenzene	1.670	1.719		2.93	20
1,2-Dichlorobenzene	1.463	1.541		5.33	20
1,2-Dibromo-3-Chloropropane	0.098	0.096		-2.04	20
1,2,4-Trichlorobenzene	0.872	0.895		2.64	20
1,2,3-Trichlorobenzene	0.743	0.758		2.02	20
1,2-Dichloroethane-d4	0.487	0.485		-0.41	20
Dibromofluoromethane	0.296	0.307		3.72	20
Toluene-d8	1.176	1.213		3.15	20
4-Bromofluorobenzene	0.387	0.392		1.29	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	504446	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	785836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	674684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	345634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	244651	49.801	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.600%			
35) Dibromofluoromethane	7.646	113	241293	51.833	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.660%			
50) Toluene-d8	10.115	98	952903	51.535	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.408	95	308414	50.693	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	198999	52.345	ug/l	98
3) Chloromethane	2.080	50	290956	50.027	ug/l	99
4) Vinyl Chloride	2.214	62	337080	53.577	ug/l	97
5) Bromomethane	2.611	94	220949	49.783	ug/l	98
6) Chloroethane	2.745	64	215983	52.676	ug/l	99
7) Trichlorofluoromethane	3.074	101	447418	52.600	ug/l	98
8) Diethyl Ether	3.464	74	137628	51.372	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	261482	52.671	ug/l	99
10) Methyl Iodide	4.019	142	309061	56.812	ug/l	100
11) Tert butyl alcohol	4.872	59	82278	203.929	ug/l	100
12) 1,1-Dichloroethene	3.806	96	261066	53.453	ug/l	99
13) Acrolein	3.665	56	136936	236.095	ug/l	99
14) Allyl chloride	4.397	41	422349	54.586	ug/l	98
15) Acrylonitrile	5.074	53	302003	261.185	ug/l	99
16) Acetone	3.879	43	463995	327.824	ug/l	99
17) Carbon Disulfide	4.123	76	862544	54.723	ug/l	99
18) Methyl Acetate	4.397	43	132411	48.443	ug/l	99
19) Methyl tert-butyl Ether	5.129	73	642600	51.485	ug/l	99
20) Methylene Chloride	4.629	84	277971	46.454	ug/l	94
21) trans-1,2-Dichloroethene	5.129	96	293100	54.202	ug/l	98
22) Diisopropyl ether	6.031	45	921879	55.103	ug/l	98
23) Vinyl Acetate	5.970	43	2598730	279.332	ug/l	100
24) 1,1-Dichloroethane	5.927	63	523032	53.143	ug/l	98
25) 2-Butanone	6.903	43	506337	293.136	ug/l	100
26) 2,2-Dichloropropane	6.896	77	465248	53.331	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	329709	52.505	ug/l	100
28) Bromochloromethane	7.256	49	205034	50.082	ug/l	100
29) Tetrahydrofuran	7.268	42	248351	257.786	ug/l	99
30) Chloroform	7.433	83	522118	52.758	ug/l	99
31) Cyclohexane	7.713	56	504095	53.374	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	468095	53.286	ug/l	99
36) 1,1-Dichloropropene	7.841	75	396859	55.601	ug/l	99
37) Ethyl Acetate	6.994	43	180055	53.631	ug/l	98
38) Carbon Tetrachloride	7.829	117	427308	54.541	ug/l	99
39) Methylcyclohexane	9.116	83	518156	54.967	ug/l	99
40) Benzene	8.091	78	1194086	54.363	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	96378	57.501	ug/l		92
42) 1,2-Dichloroethane	8.165	62	299520	52.894	ug/l		100
43) Isopropyl Acetate	8.201	43	329575	52.530	ug/l	#	88
44) Trichloroethene	8.872	130	302214	53.625	ug/l		100
45) 1,2-Dichloropropane	9.146	63	280679	54.198	ug/l		99
46) Dibromomethane	9.238	93	149734	53.284	ug/l		100
47) Bromodichloromethane	9.433	83	387041	52.702	ug/l		94
48) Methyl methacrylate	9.225	41	161695	54.739	ug/l		99
49) 1,4-Dioxane	9.238	88	31199	990.642	ug/l		93
51) 4-Methyl-2-Pentanone	10.006	43	889524	269.322	ug/l		99
52) Toluene	10.176	92	754644	55.421	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	360176	53.539	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	429962	53.393	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	196946	52.319	ug/l		97
56) Ethyl methacrylate	10.445	69	270002	54.626	ug/l		97
57) 1,3-Dichloropropane	10.725	76	349429	53.213	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	540385	227.581	ug/l		99
59) 2-Hexanone	10.768	43	727753	297.970	ug/l		99
60) Dibromochloromethane	10.914	129	264266	52.316	ug/l		100
61) 1,2-Dibromoethane	11.018	107	184210	52.720	ug/l		98
64) Tetrachloroethene	10.652	164	350404	54.748	ug/l		99
65) Chlorobenzene	11.444	112	798973	53.949	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	268433	53.354	ug/l		100
67) Ethyl Benzene	11.524	91	1424255	56.303	ug/l		100
68) m/p-Xylenes	11.633	106	1095099	112.344	ug/l		99
69) o-Xylene	11.957	106	511221	55.941	ug/l		98
70) Styrene	11.975	104	846571	56.235	ug/l		100
71) Bromoform	12.139	173	154772	52.738	ug/l	#	99
73) Isopropylbenzene	12.261	105	1357887	55.355	ug/l		100
74) N-amyl acetate	12.072	43	293854	53.619	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	207573	51.396	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	155000m	51.569	ug/l		
77) Bromobenzene	12.536	156	309452	53.633	ug/l		99
78) n-propylbenzene	12.597	91	1635175	55.366	ug/l		100
79) 2-Chlorotoluene	12.682	91	916874	53.941	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	1107297	55.295	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	74866	52.648	ug/l		98
82) 4-Chlorotoluene	12.780	91	942352	53.982	ug/l		100
83) tert-Butylbenzene	12.999	119	989855	55.023	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	1098312	54.880	ug/l		99
85) sec-Butylbenzene	13.176	105	1442913	54.336	ug/l		100
86) p-Isopropyltoluene	13.298	119	1206855	54.372	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	606676	52.464	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	594059	51.467	ug/l		100
89) n-Butylbenzene	13.621	91	1094988	53.802	ug/l		100
90) Hexachloroethane	13.883	117	240545	51.580	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	532786	52.688	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	33149	49.036	ug/l		96
93) 1,2,4-Trichlorobenzene	14.926	180	309195	51.283	ug/l		98
94) Hexachlorobutadiene	15.029	225	180213	47.996	ug/l		98
95) Naphthalene	15.151	128	535895	52.704	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	261964	51.017	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

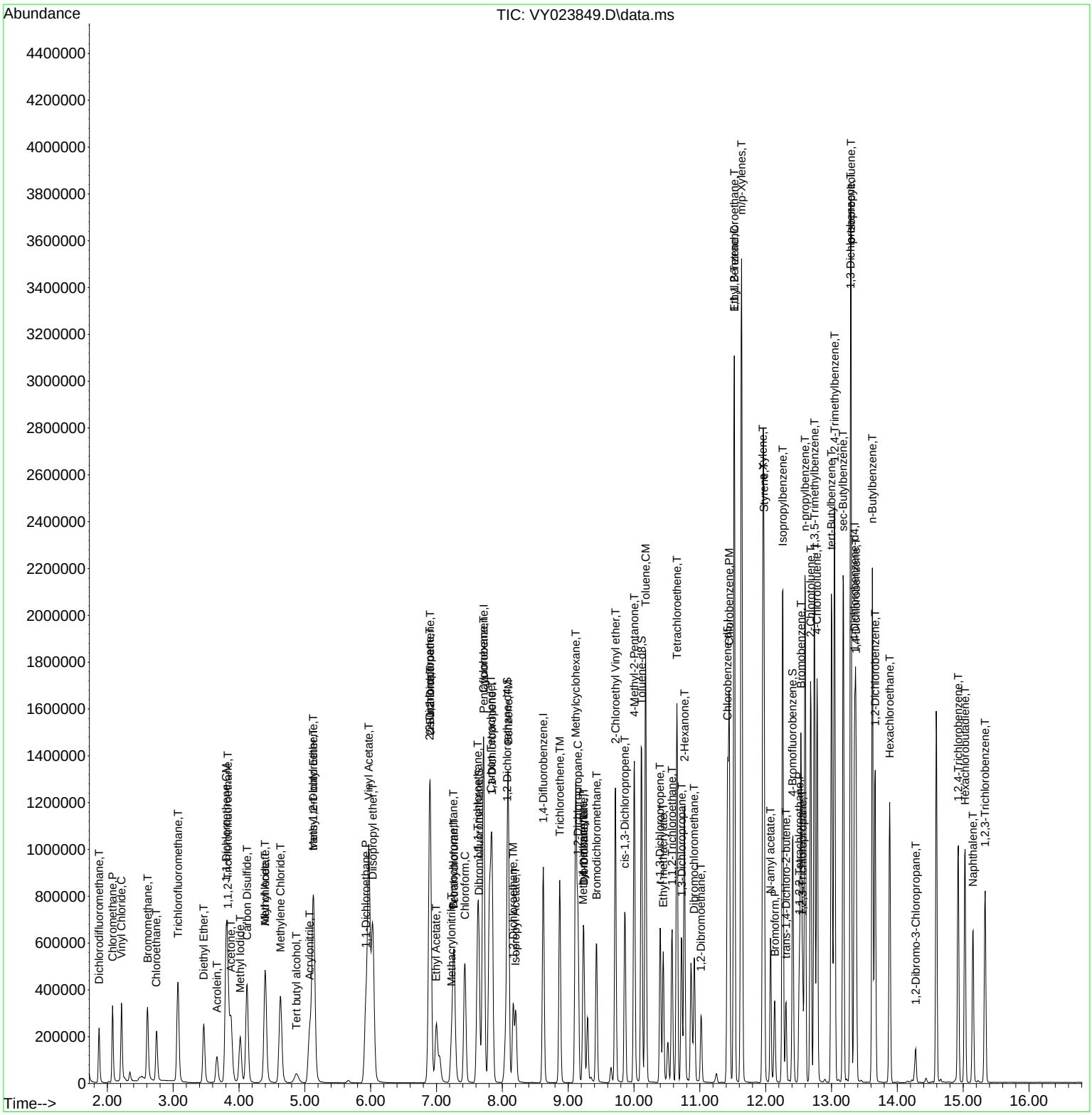
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



Sample Results: **VY023849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.01
2	T	Dichlorodifluoromethane	50.000	52.345	-4.7	103	0.00
3	P	Chloromethane	50.000	50.027	-0.1	96	0.00
4	C	Vinyl Chloride	50.000	53.577	-7.2#	98	0.00
5	T	Bromomethane	50.000	49.783	0.4	101	0.01
6	T	Chloroethane	50.000	52.676	-5.4	96	0.00
7	T	Trichlorofluoromethane	50.000	52.600	-5.2	96	0.01
8	T	Diethyl Ether	50.000	51.372	-2.7	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.671	-5.3	97	0.01
10	T	Methyl Iodide	50.000	56.812	-13.6	93	0.01
11	T	Tert butyl alcohol	250.000	203.929	18.4	85	0.01
12	CM	1,1-Dichloroethene	50.000	53.453	-6.9#	97	0.01
13	T	Acrolein	250.000	236.095	5.6	85	0.01
14	T	Allyl chloride	50.000	54.586	-9.2	96	0.01
15	T	Acrylonitrile	250.000	261.185	-4.5	92	0.01
16	T	Acetone	250.000	327.824	-31.1#	120	0.01
17	T	Carbon Disulfide	50.000	54.723	-9.4	100	0.01
18	T	Methyl Acetate	50.000	48.443	3.1	90	0.00
19	T	Methyl tert-butyl Ether	50.000	51.485	-3.0	91	0.00
20	T	Methylene Chloride	50.000	46.454	7.1	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.202	-8.4	98	0.01
22	T	Diisopropyl ether	50.000	55.103	-10.2	96	0.01
23	T	Vinyl Acetate	250.000	279.332	-11.7	95	0.00
24	P	1,1-Dichloroethane	50.000	53.143	-6.3	96	0.01
25	T	2-Butanone	250.000	293.136	-17.3	105	0.00
26	T	2,2-Dichloropropane	50.000	53.331	-6.7	97	0.01
27	T	cis-1,2-Dichloroethene	50.000	52.505	-5.0	95	0.01
28	T	Bromochloromethane	50.000	50.082	-0.2	90	0.00
29	T	Tetrahydrofuran	250.000	257.786	-3.1	89	0.00
30	C	Chloroform	50.000	52.758	-5.5#	95	0.01
31	T	Cyclohexane	50.000	53.374	-6.7	99	0.01
32	T	1,1,1-Trichloroethane	50.000	53.286	-6.6	97	0.01
33	S	1,2-Dichloroethane-d4	50.000	49.801	0.4	87	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	51.833	-3.7	89	0.01
36	T	1,1-Dichloropropene	50.000	55.601	-11.2	98	0.00
37	T	Ethyl Acetate	50.000	53.631	-7.3	93	0.00
38	T	Carbon Tetrachloride	50.000	54.541	-9.1	96	0.01
39	T	Methylcyclohexane	50.000	54.967	-9.9	96	0.00
40	TM	Benzene	50.000	54.363	-8.7	96	0.01
41	T	Methacrylonitrile	50.000	57.501	-15.0	104	0.00
42	TM	1,2-Dichloroethane	50.000	52.894	-5.8	93	0.00
43	T	Isopropyl Acetate	50.000	52.530	-5.1	90	0.00
44	TM	Trichloroethene	50.000	53.625	-7.2	95	0.00
45	C	1,2-Dichloropropane	50.000	54.198	-8.4#	95	0.00
46	T	Dibromomethane	50.000	53.284	-6.6	94	0.00
47	T	Bromodichloromethane	50.000	52.702	-5.4	93	0.01
48	T	Methyl methacrylate	50.000	54.739	-9.5	90	0.00

Sample Results: **VY023849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	990.642	0.9	86	0.01
50	S	Toluene-d8	50.000	51.535	-3.1	88	0.01
51	T	4-Methyl-2-Pentanone	250.000	269.322	-7.7	90	0.00
52	CM	Toluene	50.000	55.421	-10.8#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	53.539	-7.1	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.393	-6.8	93	0.00
55	T	1,1,2-Trichloroethane	50.000	52.319	-4.6	91	0.00
56	T	Ethyl methacrylate	50.000	54.626	-9.3	90	0.00
57	T	1,3-Dichloropropane	50.000	53.213	-6.4	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	227.581	9.0	77	0.00
59	T	2-Hexanone	250.000	297.970	-19.2	100	0.00
60	T	Dibromochloromethane	50.000	52.316	-4.6	91	0.00
61	T	1,2-Dibromoethane	50.000	52.720	-5.4	93	0.00
62	S	4-Bromofluorobenzene	50.000	50.693	-1.4	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	54.748	-9.5	95	0.00
65	PM	Chlorobenzene	50.000	53.949	-7.9	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.354	-6.7	92	0.00
67	C	Ethyl Benzene	50.000	56.303	-12.6#	94	0.00
68	T	m/p-Xylenes	100.000	112.344	-12.3	93	0.00
69	T	o-Xylene	50.000	55.941	-11.9	94	0.00
70	T	Styrene	50.000	56.235	-12.5	92	0.00
71	P	Bromoform	50.000	52.738	-5.5	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	55.355	-10.7	93	0.00
74	T	N-amyl acetate	50.000	53.619	-7.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.396	-2.8	89	0.00
76	T	1,2,3-Trichloropropane	50.000	51.569	-3.1	87	0.00
77	T	Bromobenzene	50.000	53.633	-7.3	93	0.00
78	T	n-propylbenzene	50.000	55.366	-10.7	93	0.00
79	T	2-Chlorotoluene	50.000	53.941	-7.9	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.295	-10.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.648	-5.3	90	0.00
82	T	4-Chlorotoluene	50.000	53.982	-8.0	91	0.00
83	T	tert-Butylbenzene	50.000	55.023	-10.0	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.880	-9.8	92	0.00
85	T	sec-Butylbenzene	50.000	54.336	-8.7	91	0.00
86	T	p-Isopropyltoluene	50.000	54.372	-8.7	90	0.00
87	T	1,3-Dichlorobenzene	50.000	52.464	-4.9	91	0.00
88	T	1,4-Dichlorobenzene	50.000	51.467	-2.9	90	0.00
89	T	n-Butylbenzene	50.000	53.802	-7.6	89	0.00
90	T	Hexachloroethane	50.000	51.580	-3.2	90	0.00
91	T	1,2-Dichlorobenzene	50.000	52.688	-5.4	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.036	1.9	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.283	-2.6	87	0.00
94	T	Hexachlorobutadiene	50.000	47.996	4.0	84	0.00
95	T	Naphthalene	50.000	52.704	-5.4	87	0.00

Sample Results: **VY023849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.017	-2.0	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY023849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.01
2	T	Dichlorodifluoromethane	0.377	0.394	-4.5	103	0.00
3	P	Chloromethane	0.576	0.577	-0.2	96	0.00
4	C	Vinyl Chloride	0.624	0.668	-7.1#	98	0.00
5	T	Bromomethane	0.440	0.438	0.5	101	0.01
6	T	Chloroethane	0.406	0.428	-5.4	96	0.00
7	T	Trichlorofluoromethane	0.843	0.887	-5.2	96	0.01
8	T	Diethyl Ether	0.266	0.273	-2.6	92	0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.492	0.518	-5.3	97	0.01
10	T	Methyl Iodide	0.539	0.613	-13.7	93	0.01
11	T	Tert butyl alcohol	0.040	0.033	17.5	85	0.01
12	CM	1,1-Dichloroethene	0.484	0.518	-7.0#	97	0.01
13	T	Acrolein	0.057	0.054	5.3	85	0.01
14	T	Allyl chloride	0.767	0.837	-9.1	96	0.01
15	T	Acrylonitrile	0.115	0.120	-4.3	92	0.01
16	T	Acetone	0.140	0.184	-31.4#	120	0.01
17	T	Carbon Disulfide	1.562	1.710	-9.5	100	0.01
18	T	Methyl Acetate	0.271	0.262	3.3	90	0.00
19	T	Methyl tert-butyl Ether	1.237	1.274	-3.0	91	0.00
20	T	Methylene Chloride	0.593	0.551	7.1	92	0.00
21	T	trans-1,2-Dichloroethene	0.536	0.581	-8.4	98	0.01
22	T	Diisopropyl ether	1.658	1.828	-10.3	96	0.01
23	T	Vinyl Acetate	0.922	1.030	-11.7	95	0.00
24	P	1,1-Dichloroethane	0.976	1.037	-6.2	96	0.01
25	T	2-Butanone	0.171	0.201	-17.5	105	0.00
26	T	2,2-Dichloropropane	0.865	0.922	-6.6	97	0.01
27	T	cis-1,2-Dichloroethene	0.622	0.654	-5.1	95	0.01
28	T	Bromochloromethane	0.406	0.406	0.0	90	0.00
29	T	Tetrahydrofuran	0.095	0.098	-3.2	89	0.00
30	C	Chloroform	0.981	1.035	-5.5#	95	0.01
31	T	Cyclohexane	0.936	0.999	-6.7	99	0.01
32	T	1,1,1-Trichloroethane	0.871	0.928	-6.5	97	0.01
33	S	1,2-Dichloroethane-d4	0.487	0.485	0.4	87	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.296	0.307	-3.7	89	0.01
36	T	1,1-Dichloropropene	0.454	0.505	-11.2	98	0.00
37	T	Ethyl Acetate	0.214	0.229	-7.0	93	0.00
38	T	Carbon Tetrachloride	0.498	0.544	-9.2	96	0.01
39	T	Methylcyclohexane	0.600	0.659	-9.8	96	0.00
40	TM	Benzene	1.398	1.520	-8.7	96	0.01
41	T	Methacrylonitrile	0.107	0.123	-15.0	104	0.00
42	TM	1,2-Dichloroethane	0.360	0.381	-5.8	93	0.00
43	T	Isopropyl Acetate	0.399	0.419	-5.0	90	0.00
44	TM	Trichloroethene	0.359	0.385	-7.2	95	0.00
45	C	1,2-Dichloropropane	0.330	0.357	-8.2#	95	0.00
46	T	Dibromomethane	0.179	0.191	-6.7	94	0.00
47	T	Bromodichloromethane	0.467	0.493	-5.6	93	0.01
48	T	Methyl methacrylate	0.188	0.206	-9.6	90	0.00

Sample Results: **VY023849.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	86	0.01
50	S	Toluene-d8	1.176	1.213	-3.1	88	0.01
51	T	4-Methyl-2-Pentanone	0.210	0.226	-7.6	90	0.00
52	CM	Toluene	0.866	0.960	-10.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.428	0.458	-7.0	92	0.00
54	T	cis-1,3-Dichloropropene	0.512	0.547	-6.8	93	0.00
55	T	1,1,2-Trichloroethane	0.240	0.251	-4.6	91	0.00
56	T	Ethyl methacrylate	0.314	0.344	-9.6	90	0.00
57	T	1,3-Dichloropropane	0.418	0.445	-6.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.151	0.138	8.6	77	0.00
59	T	2-Hexanone	0.155	0.185	-19.4	100	0.00
60	T	Dibromochloromethane	0.321	0.336	-4.7	91	0.00
61	T	1,2-Dibromoethane	0.222	0.234	-5.4	93	0.00
62	S	4-Bromofluorobenzene	0.387	0.392	-1.3	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.474	0.519	-9.5	95	0.00
65	PM	Chlorobenzene	1.098	1.184	-7.8	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.398	-6.7	92	0.00
67	C	Ethyl Benzene	1.875	2.111	-12.6#	94	0.00
68	T	m/p-Xylenes	0.722	0.812	-12.5	93	0.00
69	T	o-Xylene	0.677	0.758	-12.0	94	0.00
70	T	Styrene	1.116	1.255	-12.5	92	0.00
71	P	Bromoform	0.217	0.229	-5.5	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.549	3.929	-10.7	93	0.00
74	T	N-amyl acetate	0.793	0.850	-7.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	0.584	0.601	-2.9	89	0.00
76	T	1,2,3-Trichloropropane	0.435	0.448	-3.0	87	0.00
77	T	Bromobenzene	0.835	0.895	-7.2	93	0.00
78	T	n-propylbenzene	4.272	4.731	-10.7	93	0.00
79	T	2-Chlorotoluene	2.459	2.653	-7.9	92	0.00
80	T	1,3,5-Trimethylbenzene	2.897	3.204	-10.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.206	0.217	-5.3	90	0.00
82	T	4-Chlorotoluene	2.525	2.726	-8.0	91	0.00
83	T	tert-Butylbenzene	2.602	2.864	-10.1	93	0.00
84	T	1,2,4-Trimethylbenzene	2.895	3.178	-9.8	92	0.00
85	T	sec-Butylbenzene	3.842	4.175	-8.7	91	0.00
86	T	p-Isopropyltoluene	3.211	3.492	-8.8	90	0.00
87	T	1,3-Dichlorobenzene	1.673	1.755	-4.9	91	0.00
88	T	1,4-Dichlorobenzene	1.670	1.719	-2.9	90	0.00
89	T	n-Butylbenzene	2.944	3.168	-7.6	89	0.00
90	T	Hexachloroethane	0.675	0.696	-3.1	90	0.00
91	T	1,2-Dichlorobenzene	1.463	1.541	-5.3	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.096	2.0	87	0.00
93	T	1,2,4-Trichlorobenzene	0.872	0.895	-2.6	87	0.00
94	T	Hexachlorobutadiene	0.543	0.521	4.1	84	0.00
95	T	Naphthalene	1.471	1.550	-5.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 03 00:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.758	-2.0	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY023877.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/04/2025 07:31
Lab File ID: VY023877.D
Init. Calib. Date(s): 12/03/2025 12/03/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:05 16:23
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.378	0.405		7.14	20
Chloromethane	0.539	0.585	0.1	8.53	20
Vinyl Chloride	0.615	0.676		9.92	20
Bromomethane	0.444	0.459		3.38	20
Chloroethane	0.417	0.447		7.19	20
Trichlorofluoromethane	0.860	0.944		9.77	20
1,1,2-Trichlorotrifluoroethane	0.516	0.565		9.5	20
1,1-Dichloroethene	0.482	0.545		13.07	20
Acetone	0.150	0.172		14.67	20
Carbon Disulfide	1.423	1.740		22.28	20
Methyl tert-butyl Ether	1.210	1.346		11.24	20
Methyl Acetate	0.254	0.265		4.33	20
Methylene Chloride	0.610	0.567		-7.05	20
trans-1,2-Dichloroethene	0.531	0.602		13.37	20
1,1-Dichloroethane	0.980	1.062	0.1	8.37	20
Cyclohexane	0.937	1.032		10.14	20
2-Butanone	0.181	0.193		6.63	20
Carbon Tetrachloride	0.522	0.597		14.37	20
cis-1,2-Dichloroethene	0.617	0.675		9.4	20
Bromochloromethane	0.374	0.383		2.41	20
Chloroform	0.990	1.064		7.47	20
1,1,1-Trichloroethane	0.894	0.972		8.73	20
Methylcyclohexane	0.616	0.745		20.94	20
Benzene	1.429	1.619		13.3	20
1,2-Dichloroethane	0.373	0.416		11.53	20
Trichloroethene	0.368	0.420		14.13	20
1,2-Dichloropropane	0.338	0.378		11.83	20
Bromodichloromethane	0.483	0.543		12.42	20
4-Methyl-2-Pentanone	0.215	0.243		13.02	20
Toluene	0.895	1.038		15.98	20
t-1,3-Dichloropropene	0.436	0.501		14.91	20
cis-1,3-Dichloropropene	0.514	0.591		14.98	20
1,1,2-Trichloroethane	0.247	0.272		10.12	20
2-Hexanone	0.162	0.188		16.05	20
Dibromochloromethane	0.332	0.370		11.45	20
1,2-Dibromoethane	0.225	0.256		13.78	20
Tetrachloroethene	0.489	0.561		14.72	20
Chlorobenzene	1.141	1.282	0.3	12.36	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY023877.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI01
Lab Code: ACE
SDG No.: Q3742
Instrument ID: MSVOA_Y
Calibration Date/Time: 12/04/2025 07:31
Lab File ID: VY023877.D
Init. Calib. Date(s): 12/03/2025 12/03/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:05 16:23
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.973	2.283		15.71	20
m/p-Xylenes	0.754	0.883		17.11	20
o-Xylene	0.705	0.821		16.45	20
Styrene	1.163	1.352		16.25	20
Bromoform	0.220	0.254	0.1	15.45	20
Isopropylbenzene	3.684	4.313		17.07	20
1,1,2,2-Tetrachloroethane	0.594	0.653	0.3	9.93	20
1,3-Dichlorobenzene	1.724	1.929		11.89	20
1,4-Dichlorobenzene	1.690	1.886		11.6	20
1,2-Dichlorobenzene	1.499	1.677		11.88	20
1,2-Dibromo-3-Chloropropane	0.093	0.102		9.68	20
1,2,4-Trichlorobenzene	0.889	0.973		9.45	20
1,2,3-Trichlorobenzene	0.759	0.818		7.77	20
1,2-Dichloroethane-d4	0.500	0.414		-17.2	20
Dibromofluoromethane	0.321	0.278		-13.4	20
Toluene-d8	1.248	1.082		-13.3	20
4-Bromofluorobenzene	0.426	0.356		-16.43	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/05/2025
Supervised By :Mahesh Dadoda
12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	520627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	774985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	669312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	343252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	215547	41.386	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 82.780%			
35) Dibromofluoromethane	7.640	113	215111	43.277	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.560%			
50) Toluene-d8	10.109	98	838311	43.341	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.680%			
62) 4-Bromofluorobenzene	12.408	95	276107	41.852	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	211017	53.586	ug/l	97
3) Chloromethane	2.080	50	304638	54.232	ug/l	99
4) Vinyl Chloride	2.214	62	351833	54.909	ug/l	97
5) Bromomethane	2.611	94	238894	51.636	ug/l	100
6) Chloroethane	2.745	64	232730	53.573	ug/l	97
7) Trichlorofluoromethane	3.068	101	491254	54.832	ug/l	96
8) Diethyl Ether	3.464	74	146950	54.749	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	294128	54.794	ug/l	99
10) Methyl Iodide	4.019	142	335298	56.023	ug/l	99
11) Tert butyl alcohol	4.872	59	84853	225.355	ug/l	98
12) 1,1-Dichloroethene	3.799	96	283782	56.581	ug/l	99
13) Acrolein	3.665	56	79658	244.993	ug/l	98
14) Allyl chloride	4.397	41	445292	55.530	ug/l	99
15) Acrylonitrile	5.074	53	314478	269.199	ug/l	99
16) Acetone	3.879	43	448600	287.447	ug/l	98
17) Carbon Disulfide	4.116	76	905639	61.114	ug/l	100
18) Methyl Acetate	4.397	43	138042	52.148	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	700987	55.639	ug/l	100
20) Methylene Chloride	4.628	84	295205	52.612	ug/l	99
21) trans-1,2-Dichloroethene	5.128	96	313295	56.616	ug/l	97
22) Diisopropyl ether	6.031	45	963636	54.578	ug/l	98
23) Vinyl Acetate	5.970	43	2754973	281.491	ug/l	99
24) 1,1-Dichloroethane	5.927	63	552981	54.206	ug/l	100
25) 2-Butanone	6.902	43	501714	266.677	ug/l	97
26) 2,2-Dichloropropane	6.896	77	495478	52.993	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	351394	54.687	ug/l	99
28) Bromochloromethane	7.256	49	199175	51.098	ug/l	97
29) Tetrahydrofuran	7.274	42	262549	269.841	ug/l	98
30) Chloroform	7.427	83	554015	53.743	ug/l	99
31) Cyclohexane	7.707	56	537182	55.074	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	506137	54.391	ug/l	100
36) 1,1-Dichloropropene	7.841	75	420560	57.381	ug/l	99
37) Ethyl Acetate	6.994	43	188689	55.752	ug/l	99
38) Carbon Tetrachloride	7.829	117	462623	57.191	ug/l	98
39) Methylcyclohexane	9.115	83	577156	60.497	ug/l	99
40) Benzene	8.085	78	1254718	56.637	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
12/05/2025
Supervised By :Mahesh Dadoda
12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	85314	48.902	ug/l #	99
42) 1,2-Dichloroethane	8.164	62	322045	55.708	ug/l	100
43) Isopropyl Acetate	8.201	43	352879	55.727	ug/l	100
44) Trichloroethene	8.872	130	325334	57.074	ug/l	98
45) 1,2-Dichloropropane	9.146	63	292826	55.825	ug/l	97
46) Dibromomethane	9.237	93	158592	55.846	ug/l	99
47) Bromodichloromethane	9.426	83	420609	56.140	ug/l	98
48) Methyl methacrylate	9.225	41	174426	58.962	ug/l	99
49) 1,4-Dioxane	9.237	88	34894	1105.075	ug/l	95
51) 4-Methyl-2-Pentanone	10.006	43	942551	283.071	ug/l	100
52) Toluene	10.176	92	804377	57.981	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	388307	57.425	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	458230	57.546	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	210981	55.037	ug/l	98
56) Ethyl methacrylate	10.445	69	285486	50.928	ug/l	98
57) 1,3-Dichloropropane	10.719	76	370859	56.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	619177	254.174	ug/l	100
59) 2-Hexanone	10.768	43	727755	289.793	ug/l	98
60) Dibromochloromethane	10.914	129	286675	55.771	ug/l	99
61) 1,2-Dibromoethane	11.018	107	198127	56.712	ug/l	99
64) Tetrachloroethene	10.652	164	375333	57.304	ug/l	98
65) Chlorobenzene	11.444	112	858119	56.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	290860	55.803	ug/l	99
67) Ethyl Benzene	11.524	91	1527916	57.853	ug/l	99
68) m/p-Xylenes	11.633	106	1181405	117.034	ug/l	100
69) o-Xylene	11.956	106	549633	58.213	ug/l	99
70) Styrene	11.975	104	904780	58.132	ug/l	99
71) Bromoform	12.139	173	170003	57.724	ug/l	98
73) Isopropylbenzene	12.261	105	1480390	58.537	ug/l	100
74) N-amyl acetate	12.072	43	312654	57.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	224207	54.949	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	166119m	48.817	ug/l	
77) Bromobenzene	12.536	156	329883	56.165	ug/l	99
78) n-propylbenzene	12.597	91	1781166	58.367	ug/l	99
79) 2-Chlorotoluene	12.682	91	988035	57.008	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1206272	58.703	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	79108	55.679	ug/l	96
82) 4-Chlorotoluene	12.779	91	1009279	56.170	ug/l	99
83) tert-Butylbenzene	12.999	119	1097255	59.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1180828	58.005	ug/l	98
85) sec-Butylbenzene	13.176	105	1607031	58.316	ug/l	100
86) p-Isopropyltoluene	13.298	119	1349042	59.125	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	662153	55.958	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	647341	55.784	ug/l	99
89) n-Butylbenzene	13.621	91	1244947	58.951	ug/l	100
90) Hexachloroethane	13.883	117	267978	55.984	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	575610	55.927	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	35016	54.579	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	334113	54.754	ug/l	100
94) Hexachlorobutadiene	15.029	225	216238	56.482	ug/l	98
95) Naphthalene	15.151	128	559736	55.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	280732	53.912	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

12/05/2025

Supervised By :Mahesh Dadoda

12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

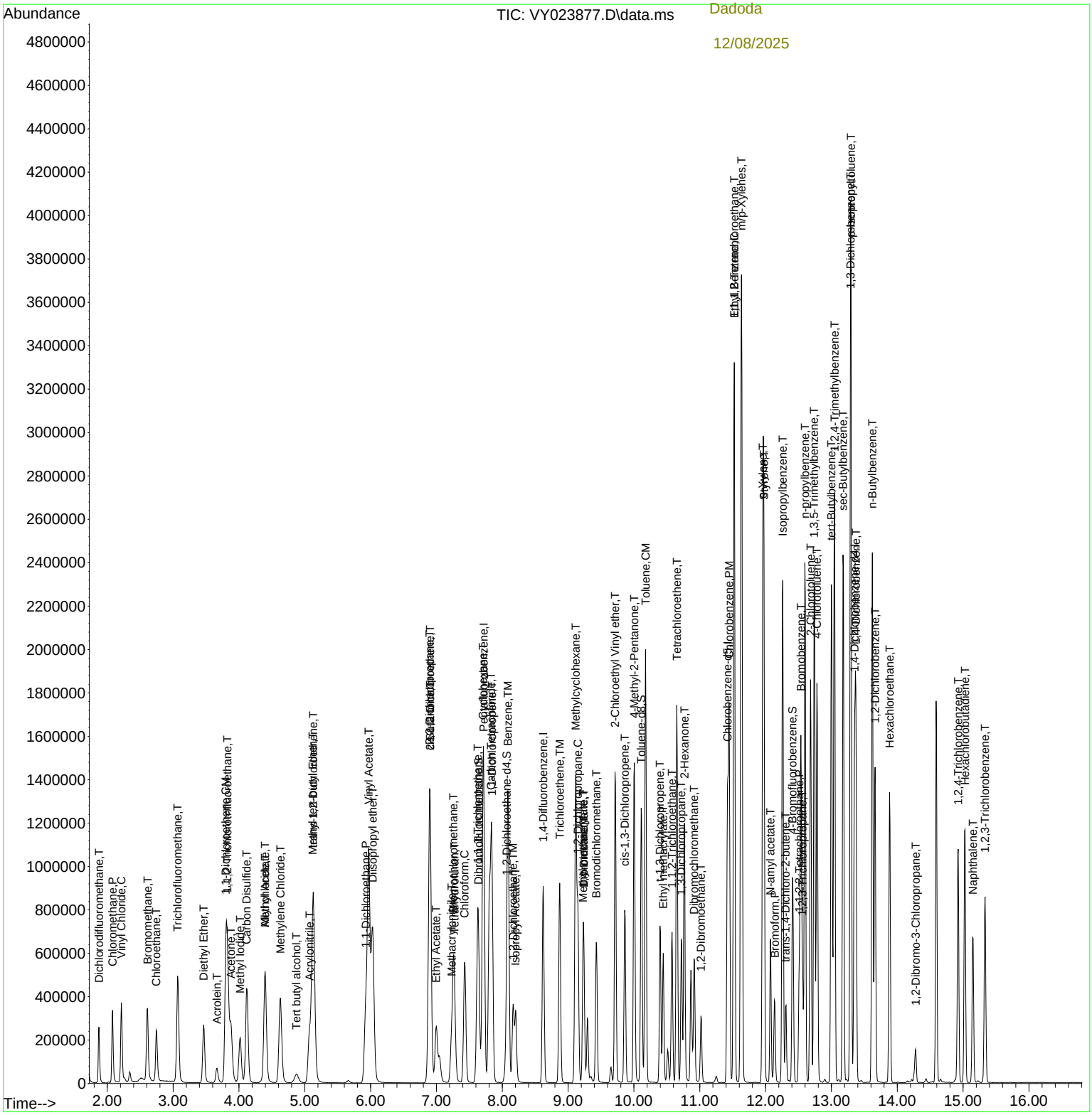
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

12/05/2025

Supervised By :Mahesh Dadoda

12/08/2025



Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	0.378	0.405	-7.1	100	0.00
3	P	Chloromethane	0.539	0.585	-8.5	102	0.00
4	C	Vinyl Chloride	0.615	0.676	-9.9#	100	0.00
5	T	Bromomethane	0.444	0.459	-3.4	105	0.00
6	T	Chloroethane	0.417	0.447	-7.2	101	0.00
7	T	Trichlorofluoromethane	0.860	0.944	-9.8	103	0.00
8	T	Diethyl Ether	0.258	0.282	-9.3	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.516	0.565	-9.5	105	0.00
10	T	Methyl Iodide	0.513	0.644	-25.5#	103	0.00
11	T	Tert butyl alcohol	0.041	0.033	19.5	94	0.01
12	CM	1,1-Dichloroethene	0.482	0.545	-13.1#	105	0.00
13	T	Acrolein	0.031	0.031	0.0	151#	0.01
14	T	Allyl chloride	0.770	0.855	-11.0	103	0.00
15	T	Acrylonitrile	0.112	0.121	-8.0	102	0.00
16	T	Acetone	0.150	0.172	-14.7	117	0.00
17	T	Carbon Disulfide	1.423	1.740	-22.3	104	0.00
18	T	Methyl Acetate	0.254	0.265	-4.3	100	0.00
19	T	Methyl tert-butyl Ether	1.210	1.346	-11.2	104	0.00
20	T	Methylene Chloride	0.610	0.567	7.0	101	0.00
21	T	trans-1,2-Dichloroethene	0.531	0.602	-13.4	105	0.00
22	T	Diisopropyl ether	1.696	1.851	-9.1	102	0.00
23	T	Vinyl Acetate	0.940	1.058	-12.6	102	0.00
24	P	1,1-Dichloroethane	0.980	1.062	-8.4	104	0.00
25	T	2-Butanone	0.181	0.193	-6.6	107	0.00
26	T	2,2-Dichloropropane	0.898	0.952	-6.0	106	0.00
27	T	cis-1,2-Dichloroethene	0.617	0.675	-9.4	104	0.00
28	T	Bromochloromethane	0.374	0.383	-2.4	90	0.00
29	T	Tetrahydrofuran	0.093	0.101	-8.6	99	0.00
30	C	Chloroform	0.990	1.064	-7.5#	104	0.00
31	T	Cyclohexane	0.937	1.032	-10.1	102	0.00
32	T	1,1,1-Trichloroethane	0.894	0.972	-8.7	104	0.00
33	S	1,2-Dichloroethane-d4	0.500	0.414	17.2	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.321	0.278	13.4	90	0.00
36	T	1,1-Dichloropropene	0.473	0.543	-14.8	103	0.00
37	T	Ethyl Acetate	0.218	0.243	-11.5	101	0.00
38	T	Carbon Tetrachloride	0.522	0.597	-14.4	105	0.00
39	T	Methylcyclohexane	0.616	0.745	-20.9	103	0.00
40	TM	Benzene	1.429	1.619	-13.3	103	0.00
41	T	Methacrylonitrile	0.113	0.110	2.7	88	0.00
42	TM	1,2-Dichloroethane	0.373	0.416	-11.5	103	0.00
43	T	Isopropyl Acetate	0.409	0.455	-11.2	102	0.00
44	TM	Trichloroethene	0.368	0.420	-14.1	104	0.00
45	C	1,2-Dichloropropane	0.338	0.378	-11.8#	103	0.00
46	T	Dibromomethane	0.183	0.205	-12.0	103	0.00
47	T	Bromodichloromethane	0.483	0.543	-12.4	104	0.00
48	T	Methyl methacrylate	0.191	0.225	-17.8	102	0.00

Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	100	0.00
50	S	Toluene-d8	1.248	1.082	13.3	90	0.00
51	T	4-Methyl-2-Pentanone	0.215	0.243	-13.0	100	0.00
52	CM	Toluene	0.895	1.038	-16.0#	104	0.00
53	T	t-1,3-Dichloropropene	0.436	0.501	-14.9	103	0.00
54	T	cis-1,3-Dichloropropene	0.514	0.591	-15.0	104	0.00
55	T	1,1,2-Trichloroethane	0.247	0.272	-10.1	102	0.00
56	T	Ethyl methacrylate	0.316	0.368	-16.5	101	0.00
57	T	1,3-Dichloropropane	0.426	0.479	-12.4	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.136	0.160	-17.6	95	0.00
59	T	2-Hexanone	0.162	0.188	-16.0	105	0.00
60	T	Dibromochloromethane	0.332	0.370	-11.4	103	0.00
61	T	1,2-Dibromoethane	0.225	0.256	-13.8	103	0.00
62	S	4-Bromofluorobenzene	0.426	0.356	16.4	89	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.489	0.561	-14.7	104	0.00
65	PM	Chlorobenzene	1.141	1.282	-12.4	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.435	-11.8	104	0.00
67	C	Ethyl Benzene	1.973	2.283	-15.7#	103	0.00
68	T	m/p-Xylenes	0.754	0.883	-17.1	104	0.00
69	T	o-Xylene	0.705	0.821	-16.5	102	0.00
70	T	Styrene	1.163	1.352	-16.3	103	0.00
71	P	Bromoform	0.220	0.254	-15.5	107	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.684	4.313	-17.1	104	0.00
74	T	N-amyl acetate	0.798	0.911	-14.2	98	0.00
75	P	1,1,2,2-Tetrachloroethane	0.594	0.653	-9.9	103	0.00
76	T	1,2,3-Trichloropropane	0.496	0.484	2.4	97	0.00
77	T	Bromobenzene	0.856	0.961	-12.3	103	0.00
78	T	n-propylbenzene	4.445	5.189	-16.7	103	0.00
79	T	2-Chlorotoluene	2.525	2.878	-14.0	103	0.00
80	T	1,3,5-Trimethylbenzene	2.993	3.514	-17.4	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.207	0.230	-11.1	100	0.00
82	T	4-Chlorotoluene	2.617	2.940	-12.3	102	0.00
83	T	tert-Butylbenzene	2.699	3.197	-18.5	105	0.00
84	T	1,2,4-Trimethylbenzene	2.965	3.440	-16.0	102	0.00
85	T	sec-Butylbenzene	4.014	4.682	-16.6	103	0.00
86	T	p-Isopropyltoluene	3.324	3.930	-18.2	103	0.00
87	T	1,3-Dichlorobenzene	1.724	1.929	-11.9	104	0.00
88	T	1,4-Dichlorobenzene	1.690	1.886	-11.6	104	0.00
89	T	n-Butylbenzene	3.076	3.627	-17.9	103	0.00
90	T	Hexachloroethane	0.697	0.781	-12.1	104	0.00
91	T	1,2-Dichlorobenzene	1.499	1.677	-11.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.093	0.102	-9.7	103	0.00
93	T	1,2,4-Trichlorobenzene	0.889	0.973	-9.4	101	0.00
94	T	Hexachlorobutadiene	0.558	0.630	-12.9	104	0.00
95	T	Naphthalene	1.465	1.631	-11.3	99	0.00

Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.759	0.818	-7.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	50.000	53.586	-7.2	100	0.00
3	P	Chloromethane	50.000	54.232	-8.5	102	0.00
4	C	Vinyl Chloride	50.000	54.909	-9.8#	100	0.00
5	T	Bromomethane	50.000	51.636	-3.3	105	0.00
6	T	Chloroethane	50.000	53.573	-7.1	101	0.00
7	T	Trichlorofluoromethane	50.000	54.832	-9.7	103	0.00
8	T	Diethyl Ether	50.000	54.749	-9.5	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.794	-9.6	105	0.00
10	T	Methyl Iodide	50.000	56.023	-12.0	103	0.00
11	T	Tert butyl alcohol	250.000	225.355	9.9	94	0.01
12	CM	1,1-Dichloroethene	50.000	56.581	-13.2#	105	0.00
13	T	Acrolein	250.000	244.993	2.0	151	0.01
14	T	Allyl chloride	50.000	55.530	-11.1	103	0.00
15	T	Acrylonitrile	250.000	269.199	-7.7	102	0.00
16	T	Acetone	250.000	287.447	-15.0	117	0.00
17	T	Carbon Disulfide	50.000	61.114	-22.2	104	0.00
18	T	Methyl Acetate	50.000	52.148	-4.3	100	0.00
19	T	Methyl tert-butyl Ether	50.000	55.639	-11.3	104	0.00
20	T	Methylene Chloride	50.000	52.612	-5.2	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.616	-13.2	105	0.00
22	T	Diisopropyl ether	50.000	54.578	-9.2	102	0.00
23	T	Vinyl Acetate	250.000	281.491	-12.6	102	0.00
24	P	1,1-Dichloroethane	50.000	54.206	-8.4	104	0.00
25	T	2-Butanone	250.000	266.677	-6.7	107	0.00
26	T	2,2-Dichloropropane	50.000	52.993	-6.0	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.687	-9.4	104	0.00
28	T	Bromochloromethane	50.000	51.098	-2.2	90	0.00
29	T	Tetrahydrofuran	250.000	269.841	-7.9	99	0.00
30	C	Chloroform	50.000	53.743	-7.5#	104	0.00
31	T	Cyclohexane	50.000	55.074	-10.1	102	0.00
32	T	1,1,1-Trichloroethane	50.000	54.391	-8.8	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	41.386	17.2	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	43.277	13.4	90	0.00
36	T	1,1-Dichloropropene	50.000	57.381	-14.8	103	0.00
37	T	Ethyl Acetate	50.000	55.752	-11.5	101	0.00
38	T	Carbon Tetrachloride	50.000	57.191	-14.4	105	0.00
39	T	Methylcyclohexane	50.000	60.497	-21.0	103	0.00
40	TM	Benzene	50.000	56.637	-13.3	103	0.00
41	T	Methacrylonitrile	50.000	48.902	2.2	88	0.00
42	TM	1,2-Dichloroethane	50.000	55.708	-11.4	103	0.00
43	T	Isopropyl Acetate	50.000	55.727	-11.5	102	0.00
44	TM	Trichloroethene	50.000	57.074	-14.1	104	0.00
45	C	1,2-Dichloropropane	50.000	55.825	-11.7#	103	0.00
46	T	Dibromomethane	50.000	55.846	-11.7	103	0.00
47	T	Bromodichloromethane	50.000	56.140	-12.3	104	0.00
48	T	Methyl methacrylate	50.000	58.962	-17.9	102	0.00

Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1105.075	-10.5	100	0.00
50	S	Toluene-d8	50.000	43.341	13.3	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	283.071	-13.2	100	0.00
52	CM	Toluene	50.000	57.981	-16.0#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	57.425	-14.8	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.546	-15.1	104	0.00
55	T	1,1,2-Trichloroethane	50.000	55.037	-10.1	102	0.00
56	T	Ethyl methacrylate	50.000	50.928	-1.9	101	0.00
57	T	1,3-Dichloropropane	50.000	56.168	-12.3	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	254.174	-1.7	95	0.00
59	T	2-Hexanone	250.000	289.793	-15.9	105	0.00
60	T	Dibromochloromethane	50.000	55.771	-11.5	103	0.00
61	T	1,2-Dibromoethane	50.000	56.712	-13.4	103	0.00
62	S	4-Bromofluorobenzene	50.000	41.852	16.3	89	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	57.304	-14.6	104	0.00
65	PM	Chlorobenzene	50.000	56.172	-12.3	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.803	-11.6	104	0.00
67	C	Ethyl Benzene	50.000	57.853	-15.7#	103	0.00
68	T	m/p-Xylenes	100.000	117.034	-17.0	104	0.00
69	T	o-Xylene	50.000	58.213	-16.4	102	0.00
70	T	Styrene	50.000	58.132	-16.3	103	0.00
71	P	Bromoform	50.000	57.724	-15.4	107	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	58.537	-17.1	104	0.00
74	T	N-amyl acetate	50.000	57.044	-14.1	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.949	-9.9	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.817	2.4	97	0.00
77	T	Bromobenzene	50.000	56.165	-12.3	103	0.00
78	T	n-propylbenzene	50.000	58.367	-16.7	103	0.00
79	T	2-Chlorotoluene	50.000	57.008	-14.0	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.703	-17.4	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.679	-11.4	100	0.00
82	T	4-Chlorotoluene	50.000	56.170	-12.3	102	0.00
83	T	tert-Butylbenzene	50.000	59.230	-18.5	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	58.005	-16.0	102	0.00
85	T	sec-Butylbenzene	50.000	58.316	-16.6	103	0.00
86	T	p-Isopropyltoluene	50.000	59.125	-18.3	103	0.00
87	T	1,3-Dichlorobenzene	50.000	55.958	-11.9	104	0.00
88	T	1,4-Dichlorobenzene	50.000	55.784	-11.6	104	0.00
89	T	n-Butylbenzene	50.000	58.951	-17.9	103	0.00
90	T	Hexachloroethane	50.000	55.984	-12.0	104	0.00
91	T	1,2-Dichlorobenzene	50.000	55.927	-11.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.579	-9.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.754	-9.5	101	0.00
94	T	Hexachlorobutadiene	50.000	56.482	-13.0	104	0.00
95	T	Naphthalene	50.000	55.660	-11.3	99	0.00

Sample Results: **VY023877.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023877.D
Acq On : 04 Dec 2025 07:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 05 01:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.912	-7.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

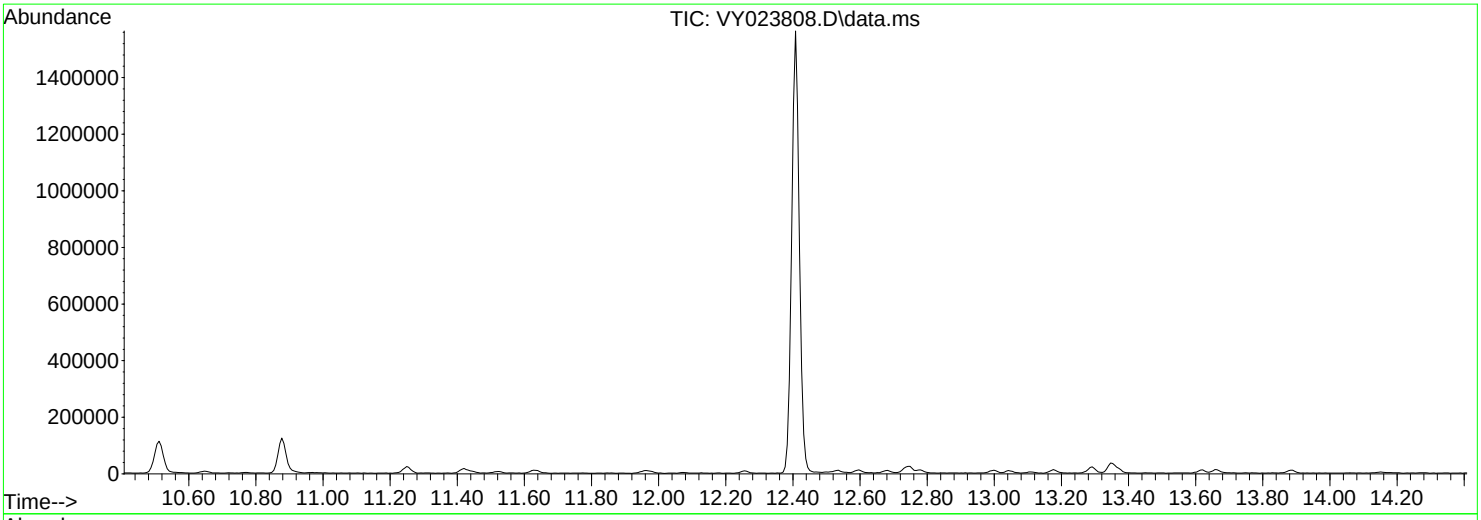
Sample Results: **VY023808.D**

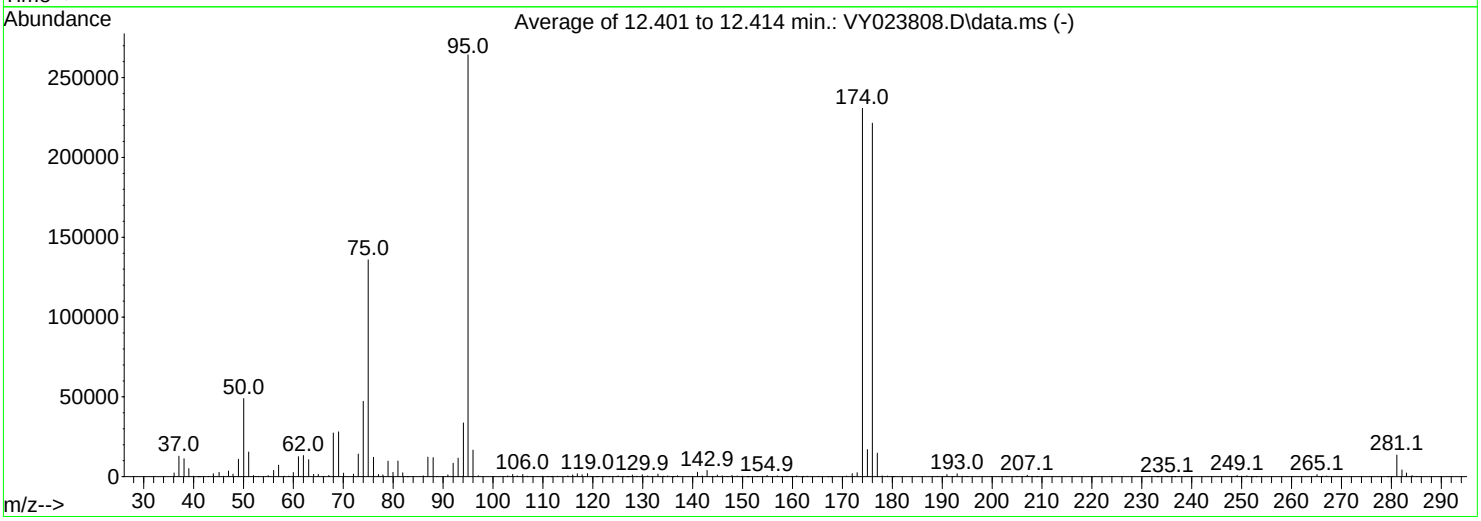
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023808.D
Acq On : 26 Nov 2025 07:11
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260
Last Update : Thu Nov 27 01:14:36 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	48904	PASS
75	95	30	60	51.4	135885	PASS
95	95	100	100	100.0	264277	PASS
96	95	5	9	6.3	16621	PASS
173	174	0.00	2	1.1	2509	PASS
174	95	50	100	87.3	230763	PASS
175	174	5	9	7.4	16984	PASS
176	174	95	101	96.0	221461	PASS
177	176	5	9	6.6	14721	PASS

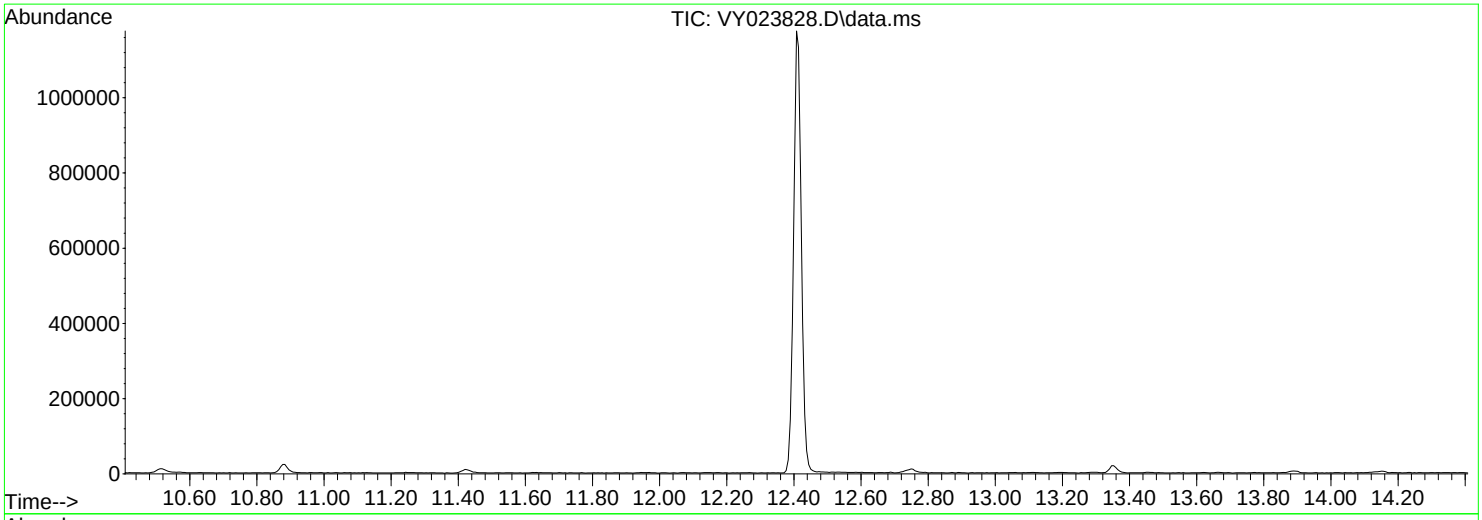
Sample Results: **VY023828.D**

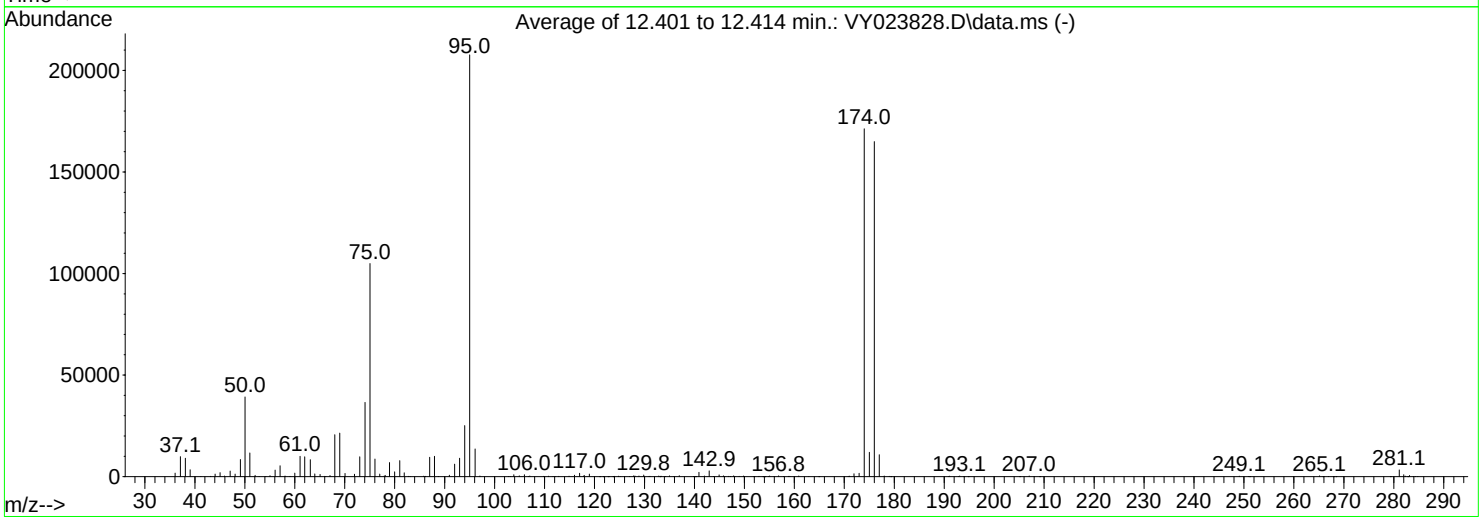
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023828.D
Acq On : 01 Dec 2025 07:24
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260
Last Update : Thu Nov 27 01:14:36 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	39200	PASS
75	95	30	60	50.5	104963	PASS
95	95	100	100	100.0	207680	PASS
96	95	5	9	6.6	13621	PASS
173	174	0.00	2	1.0	1686	PASS
174	95	50	100	82.5	171261	PASS
175	174	5	9	7.0	12023	PASS
176	174	95	101	96.3	164952	PASS
177	176	5	9	6.5	10787	PASS

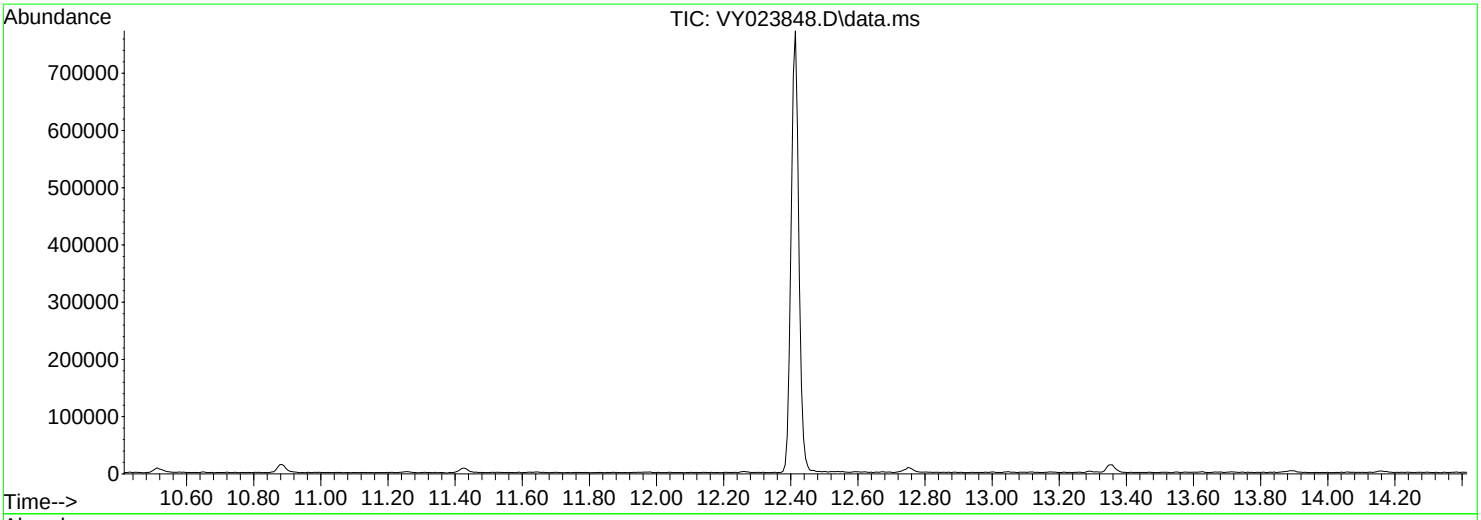
Sample Results: **VY023848.D**

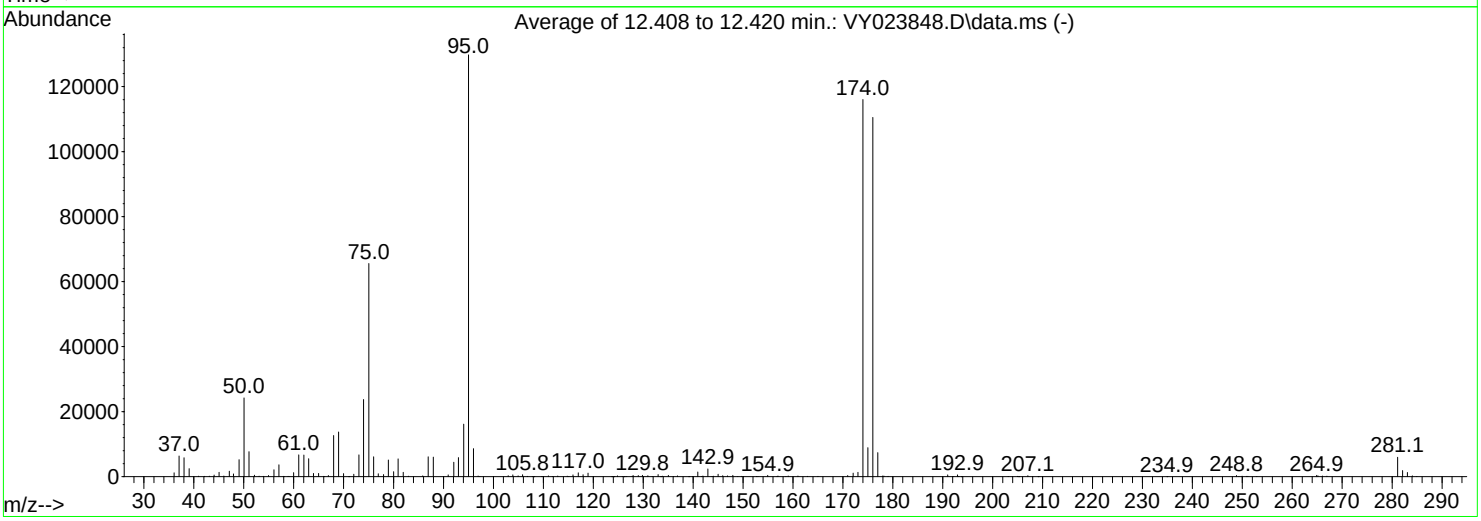
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023848.D
Acq On : 02 Dec 2025 06:50
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260
Last Update : Thu Nov 27 01:14:36 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	24219	PASS
75	95	30	60	50.5	65573	PASS
95	95	100	100	100.0	129781	PASS
96	95	5	9	6.6	8615	PASS
173	174	0.00	2	1.1	1334	PASS
174	95	50	100	89.4	116061	PASS
175	174	5	9	7.7	8934	PASS
176	174	95	101	95.2	110509	PASS
177	176	5	9	6.7	7407	PASS

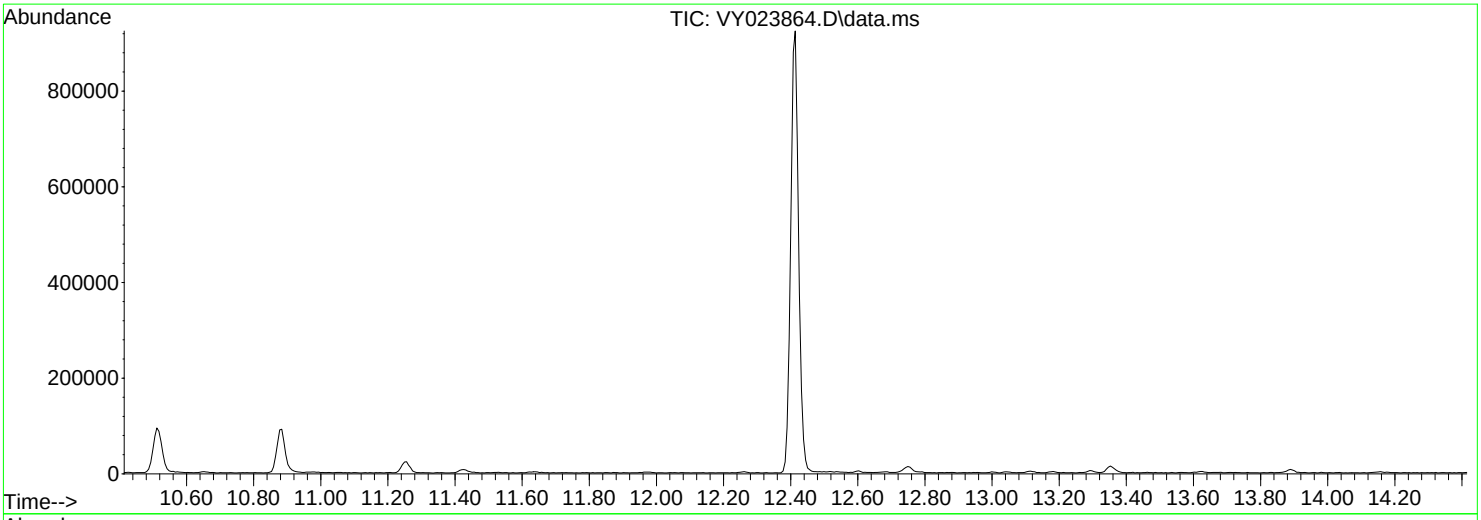
Sample Results: **VY023864.D**

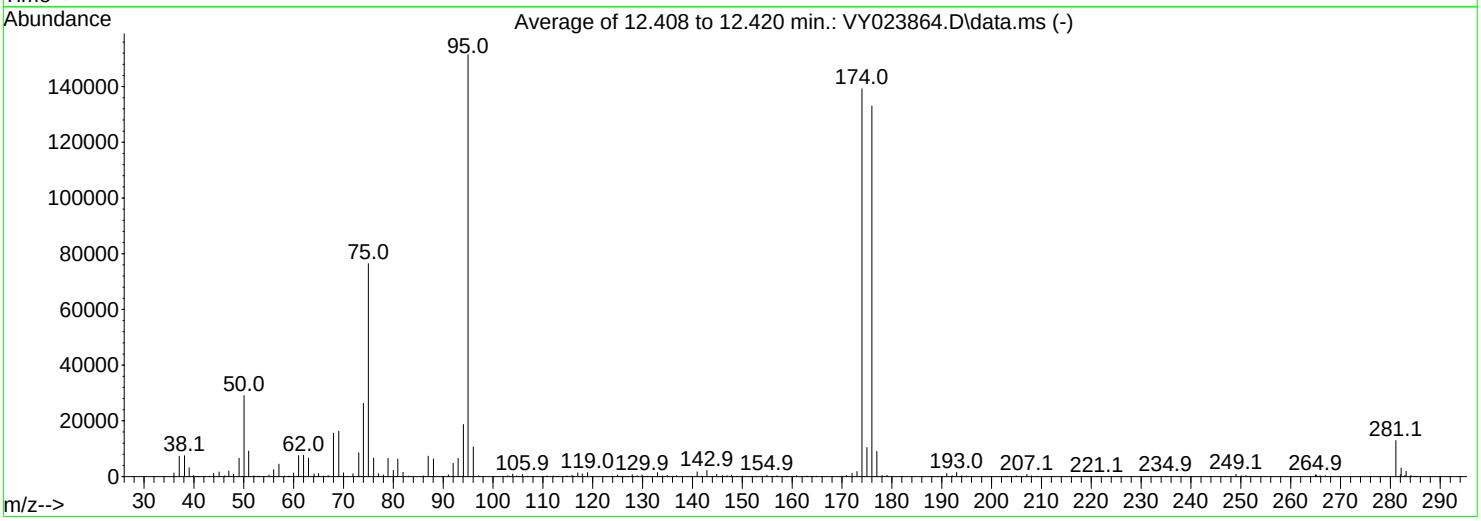
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
Data File : VY023864.D
Acq On : 03 Dec 2025 07:40
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 03:49:13 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	29109	PASS
75	95	30	60	50.5	76443	PASS
95	95	100	100	100.0	151421	PASS
96	95	5	9	7.1	10676	PASS
173	174	0.00	2	1.3	1787	PASS
174	95	50	100	92.0	139237	PASS
175	174	5	9	7.5	10410	PASS
176	174	95	101	95.6	133077	PASS
177	176	5	9	6.8	9015	PASS

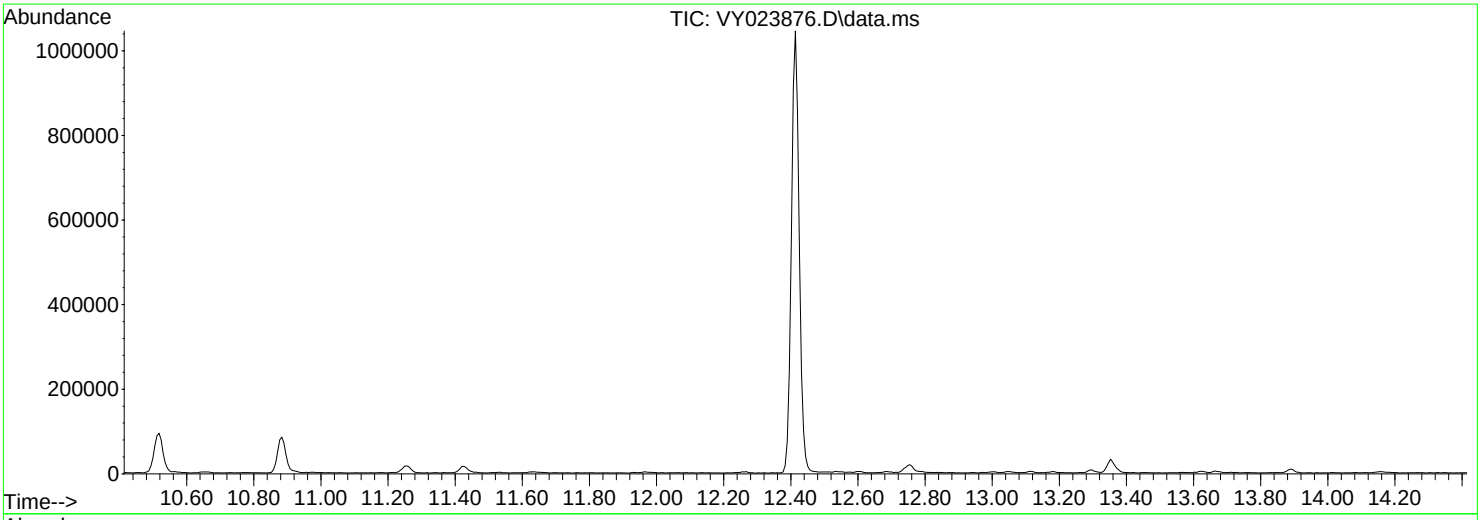
Sample Results: **VY023876.D**

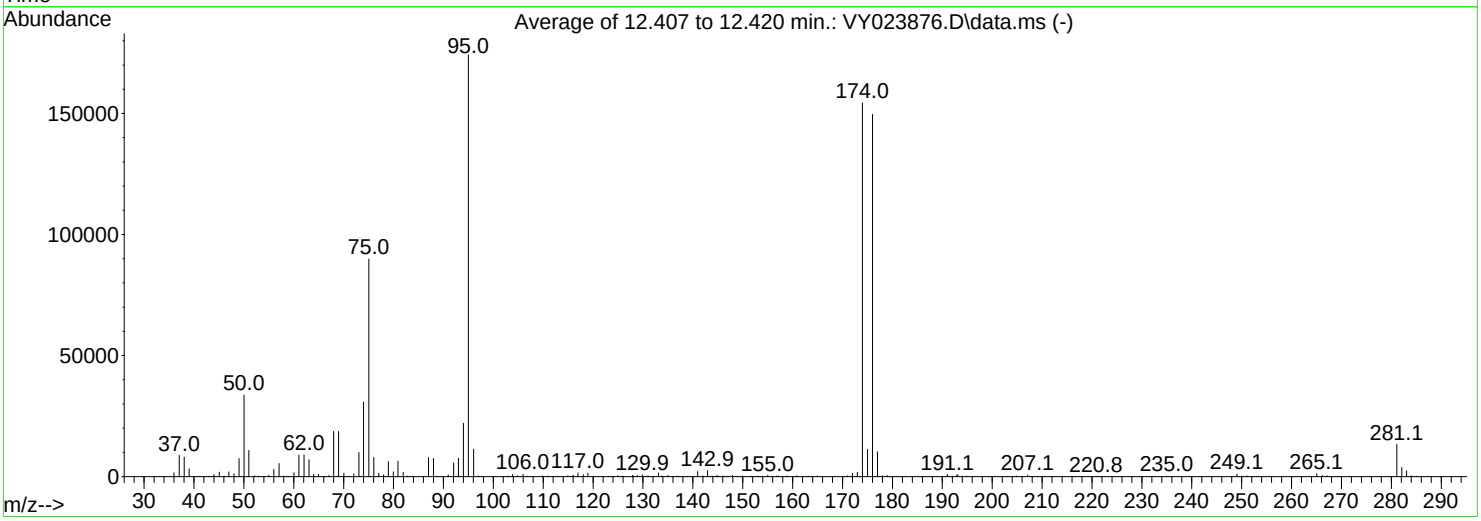
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023876.D
Acq On : 04 Dec 2025 07:00
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260
Last Update : Thu Dec 04 03:49:13 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	33653	PASS
75	95	30	60	51.6	89864	PASS
95	95	100	100	100.0	174251	PASS
96	95	5	9	6.5	11259	PASS
173	174	0.00	2	1.1	1774	PASS
174	95	50	100	88.6	154389	PASS
175	174	5	9	7.3	11277	PASS
176	174	95	101	96.9	149589	PASS
177	176	5	9	6.8	10238	PASS

Raw Data: **VY023830.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	12/01/25 09:13	VY120125
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	12/01/25 09:13	VY120125
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	12/01/25 09:13	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	12/01/25 09:13	VY120125
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	12/01/25 09:13	VY120125
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	12/01/25 09:13	VY120125
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	12/01/25 09:13	VY120125
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	12/01/25 09:13	VY120125
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	12/01/25 09:13	VY120125
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	12/01/25 09:13	VY120125
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	12/01/25 09:13	VY120125
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	12/01/25 09:13	VY120125
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	12/01/25 09:13	VY120125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	12/01/25 09:13	VY120125
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	12/01/25 09:13	VY120125
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	12/01/25 09:13	VY120125
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	12/01/25 09:13	VY120125
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	12/01/25 09:13	VY120125
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	12/01/25 09:13	VY120125
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	12/01/25 09:13	VY120125
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	12/01/25 09:13	VY120125
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	12/01/25 09:13	VY120125
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	12/01/25 09:13	VY120125
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	12/01/25 09:13	VY120125
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	12/01/25 09:13	VY120125
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	12/01/25 09:13	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	12/01/25 09:13	VY120125
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	12/01/25 09:13	VY120125
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	12/01/25 09:13	VY120125
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	12/01/25 09:13	VY120125
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	12/01/25 09:13	VY120125
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	12/01/25 09:13	VY120125
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	12/01/25 09:13	VY120125
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	12/01/25 09:13	VY120125
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	12/01/25 09:13	VY120125
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	12/01/25 09:13	VY120125
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	12/01/25 09:13	VY120125
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	12/01/25 09:13	VY120125

Raw Data: **VY023830.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	12/01/25 09:13	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	12/01/25 09:13	VY120125
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	12/01/25 09:13	VY120125
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	12/01/25 09:13	VY120125
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	12/01/25 09:13	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	12/01/25 09:13	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	12/01/25 09:13	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	12/01/25 09:13	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.3			63 - 155	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.0			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	49.5			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.2			52 - 138	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	719000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	995000							
3855-82-1	1,4-Dichlorobenzene-d4	400000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Quant Time: Dec 02 03:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

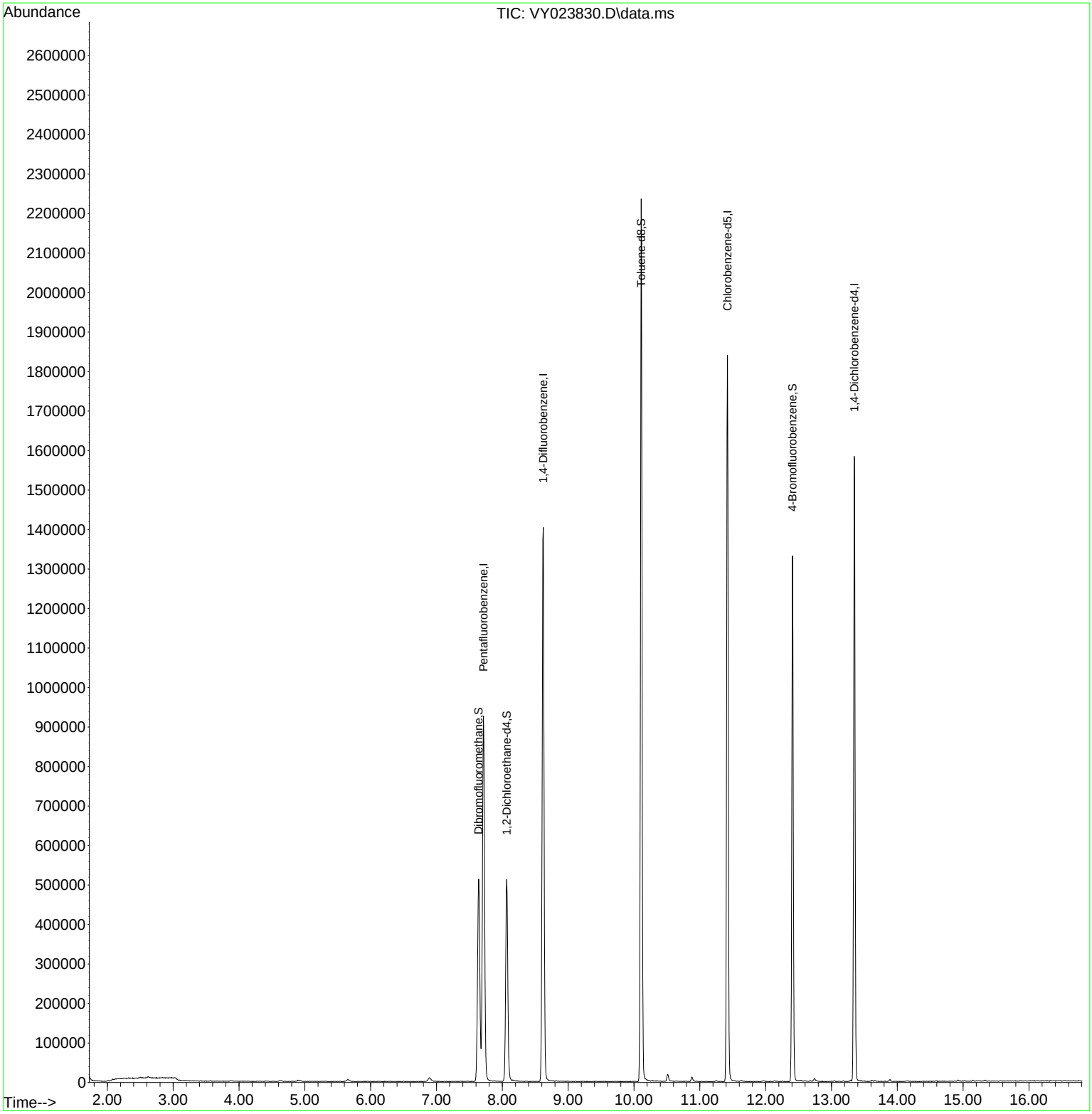
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	719047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1221329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	995220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	399677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	408084	58.278	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.560%			
35) Dibromofluoromethane	7.640	113	368921	50.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.980%			
50) Toluene-d8	10.109	98	1423543	49.536	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.408	95	399287	42.228	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.460%			
Target Compounds						Qvalue

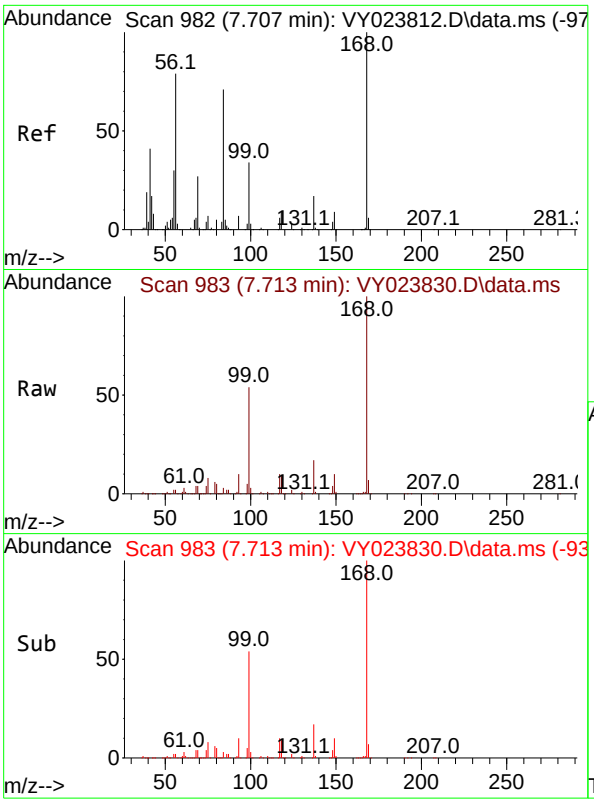
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Quant Time: Dec 02 03:12:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



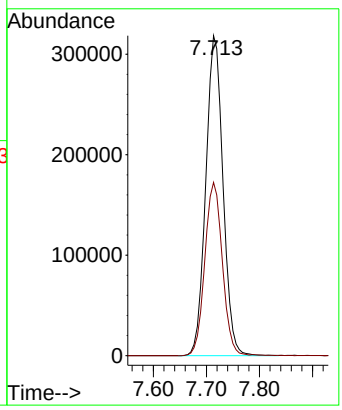


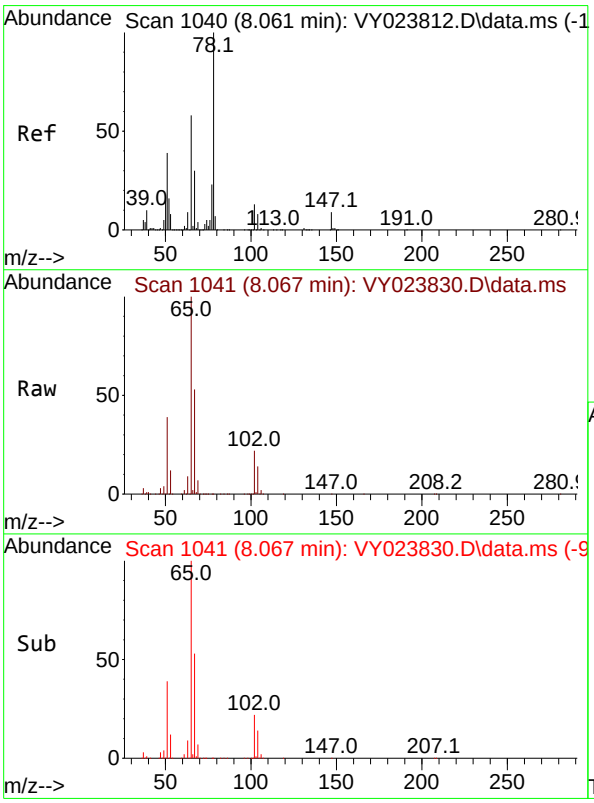
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion:168 Resp: 719047

Ion	Ratio	Lower	Upper
168	100		
99	54.1	44.0	66.0

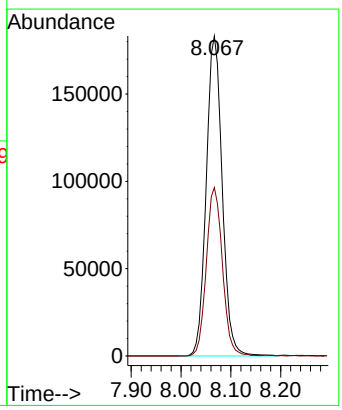


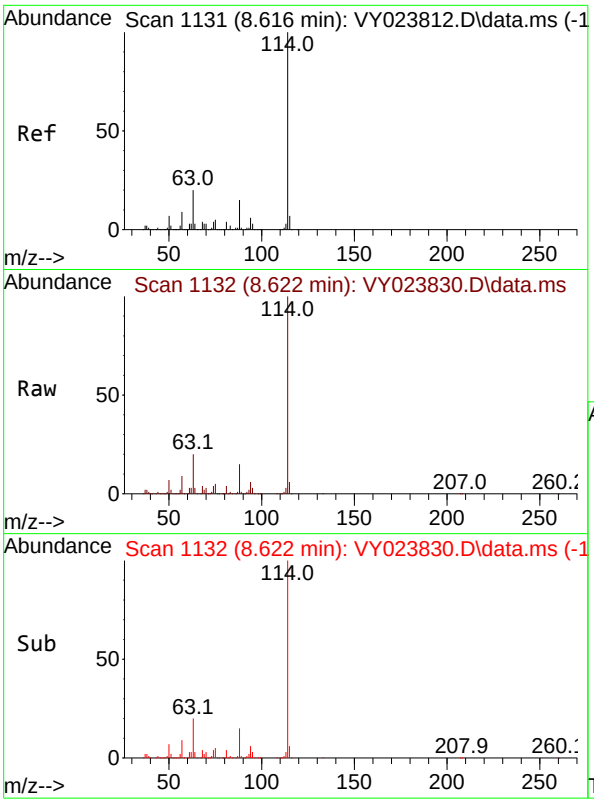


#33
1,2-Dichloroethane-d4
Concen: 58.278 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 65 Resp: 408084

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



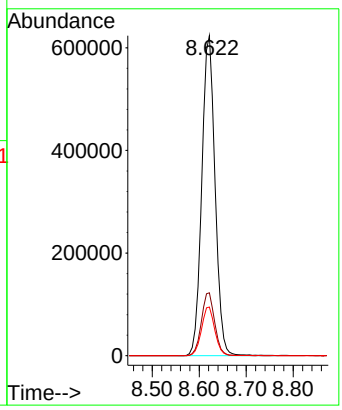


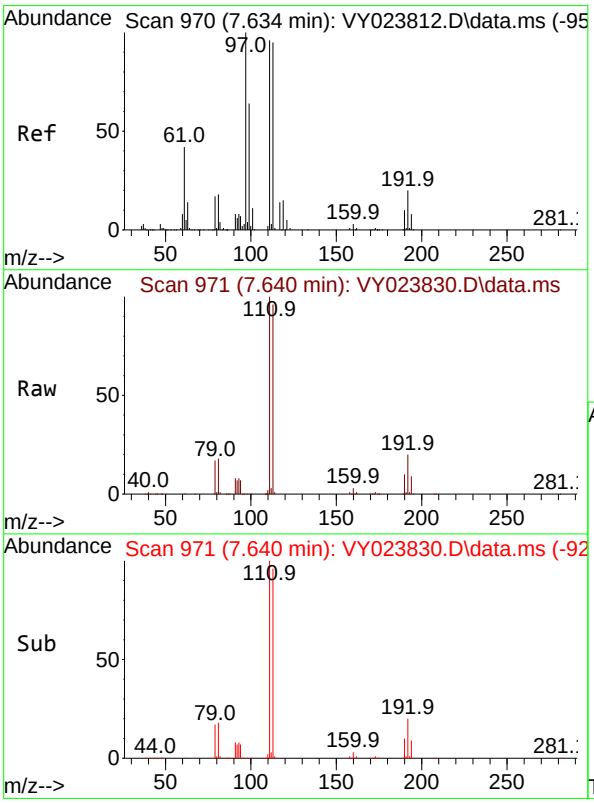
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion:114 Resp: 1221329

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	15.2	0.0	30.8

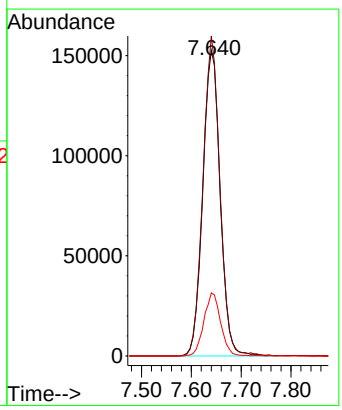


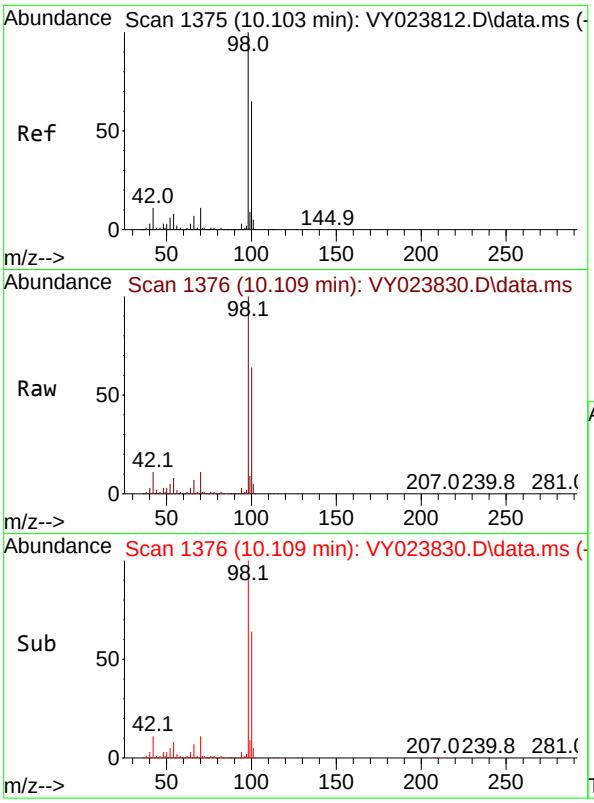


#35
Dibromofluoromethane
Concen: 50.991 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion:113 Resp: 368921

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	19.9	15.8	23.8



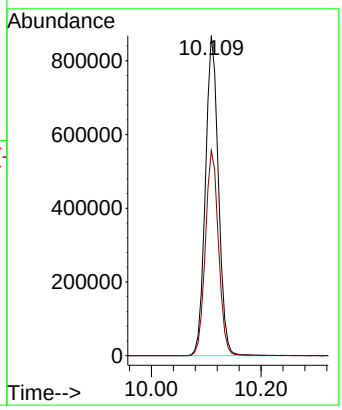


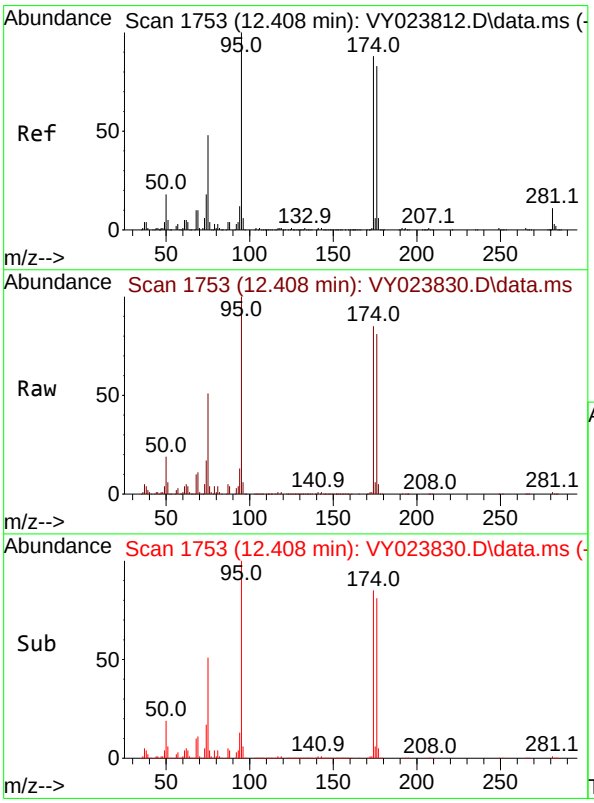
#50
Toluene-d8
Concen: 49.536 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion: 98 Resp: 1423543

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9

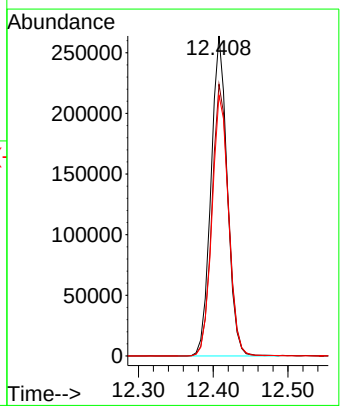


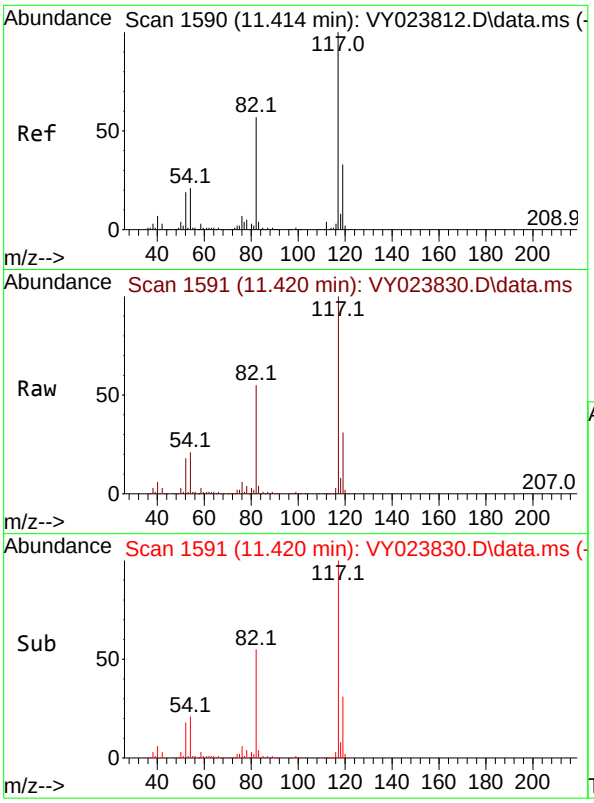


#62
4-Bromofluorobenzene
Concen: 42.228 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 95 Resp: 399287

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	168.6
176	83.0	0.0	164.6



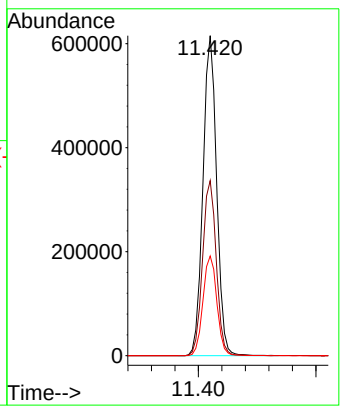


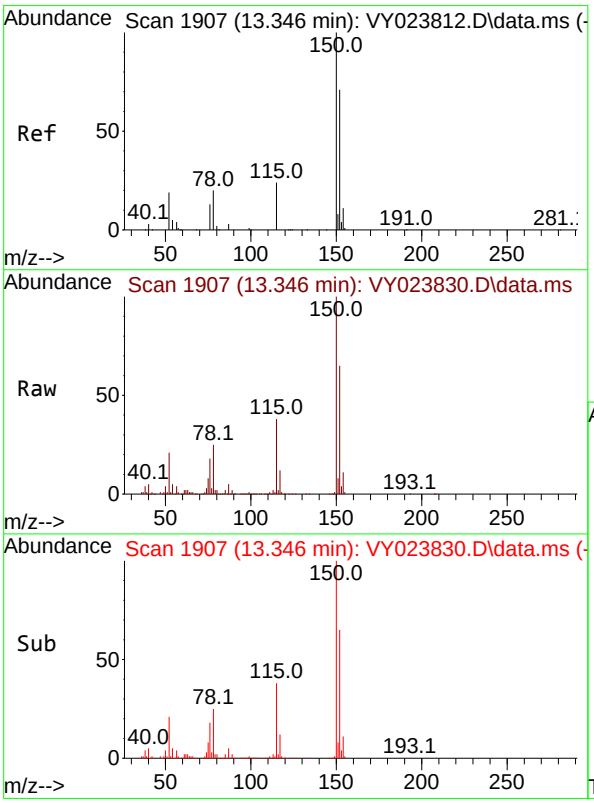
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion:117 Resp: 995220

Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.4	68.0
119	31.1	26.0	39.0

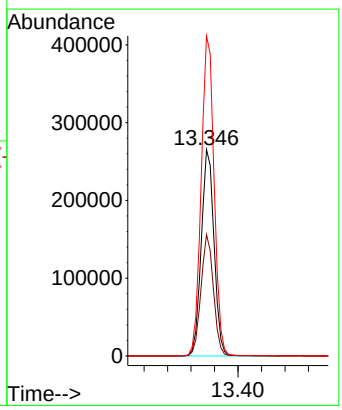




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion:152 Resp: 399677

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.7	86.3
150	157.0	0.0	345.6



Sample Results: **VY023830.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023830.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	959	971	977	rBV	512914	1222015	32.91%	6.638%
2	7.713	977	983	997	rVB	922989	2090149	56.29%	11.354%
3	8.067	1028	1041	1054	rBV	512329	1158612	31.20%	6.294%
4	8.622	1122	1132	1151	rBV	1402835	2785988	75.03%	15.134%
5	10.109	1368	1376	1385	rBV	2235133	3713240	100.00%	20.171%
6	11.420	1583	1591	1605	rBV	1839514	3003024	80.87%	16.313%
7	12.408	1745	1753	1766	rBV	1331174	2060538	55.49%	11.193%
8	13.346	1900	1907	1917	rBV	1581696	2375670	63.98%	12.905%

Sum of corrected areas: 18409236

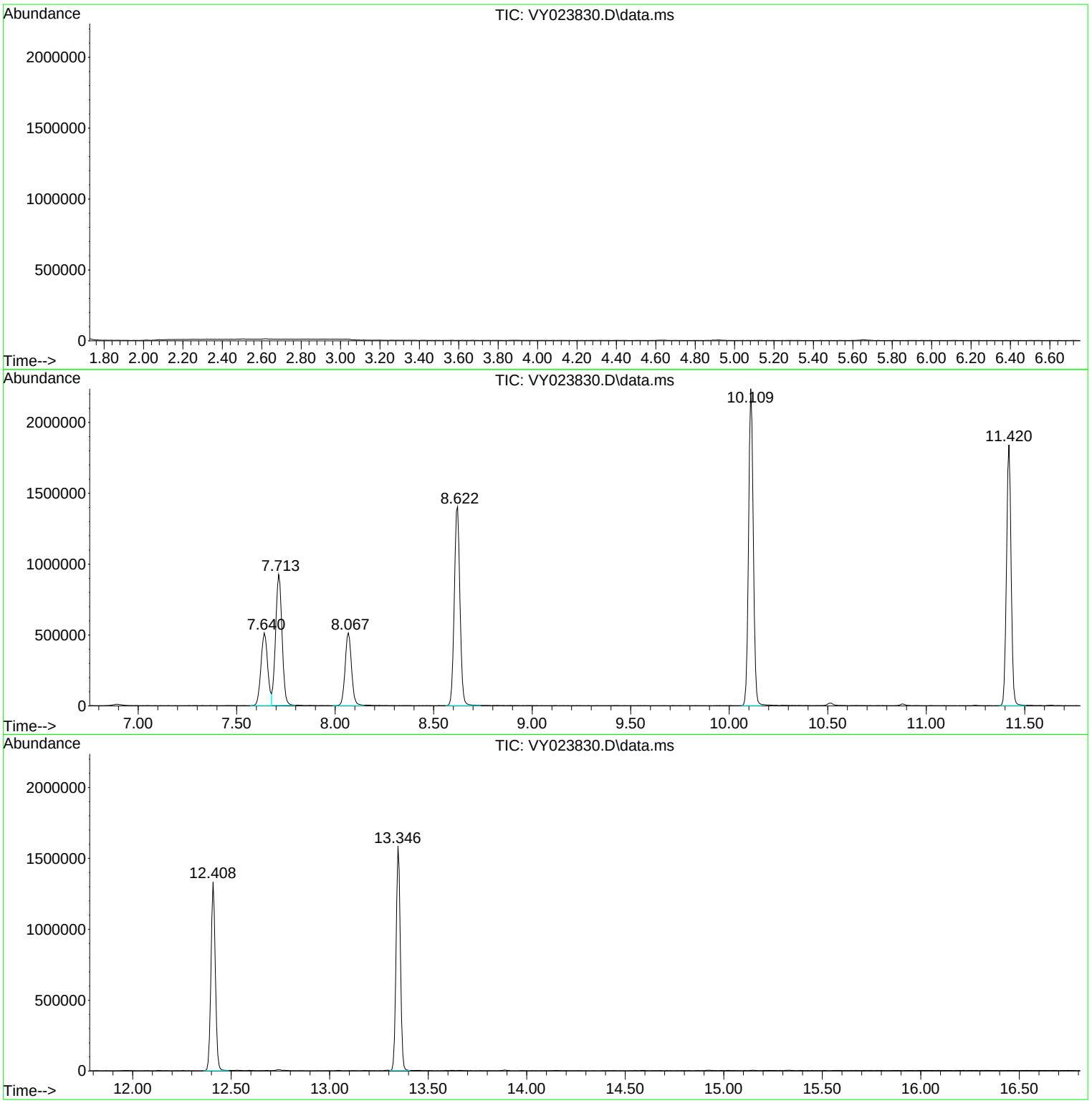
Sample Results: **VY023830.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023830.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023830.D
Acq On : 01 Dec 2025 09:13
Operator : SY/MD
Sample : VY1201SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023850.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1202SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1202SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	12/02/25 10:24	VY120225
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	12/02/25 10:24	VY120225
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	12/02/25 10:24	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	12/02/25 10:24	VY120225
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	12/02/25 10:24	VY120225
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	12/02/25 10:24	VY120225
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	12/02/25 10:24	VY120225
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	12/02/25 10:24	VY120225
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	12/02/25 10:24	VY120225
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	12/02/25 10:24	VY120225
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	12/02/25 10:24	VY120225
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	12/02/25 10:24	VY120225
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	12/02/25 10:24	VY120225
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	12/02/25 10:24	VY120225
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	12/02/25 10:24	VY120225
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	12/02/25 10:24	VY120225
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	12/02/25 10:24	VY120225
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	12/02/25 10:24	VY120225
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	12/02/25 10:24	VY120225
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	12/02/25 10:24	VY120225
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	12/02/25 10:24	VY120225
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	12/02/25 10:24	VY120225
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	12/02/25 10:24	VY120225
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	12/02/25 10:24	VY120225
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	12/02/25 10:24	VY120225
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	12/02/25 10:24	VY120225
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	12/02/25 10:24	VY120225
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	12/02/25 10:24	VY120225
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	12/02/25 10:24	VY120225
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	12/02/25 10:24	VY120225
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	12/02/25 10:24	VY120225
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	12/02/25 10:24	VY120225
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	12/02/25 10:24	VY120225
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	12/02/25 10:24	VY120225
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	12/02/25 10:24	VY120225
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	12/02/25 10:24	VY120225
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	12/02/25 10:24	VY120225
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	12/02/25 10:24	VY120225

Raw Data: **VY023850.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1202SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1202SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	12/02/25 10:24	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	12/02/25 10:24	VY120225
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	12/02/25 10:24	VY120225
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	12/02/25 10:24	VY120225
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	12/02/25 10:24	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	12/02/25 10:24	VY120225
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	12/02/25 10:24	VY120225
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	12/02/25 10:24	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.7			63 - 155	125%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.2			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	50.7			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.9			52 - 138	92%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	690000							
540-36-3	1,4-Difluorobenzene	1280000							
3114-55-4	Chlorobenzene-d5	1130000							
3855-82-1	1,4-Dichlorobenzene-d4	454000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Quant Time: Dec 03 00:59:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	690111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1278486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1125521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	454228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	421477	62.714	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.420%			
35) Dibromofluoromethane	7.646	113	410218	54.164	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.320%			
50) Toluene-d8	10.109	98	1524404	50.674	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.408	95	454362	45.904	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.800%			

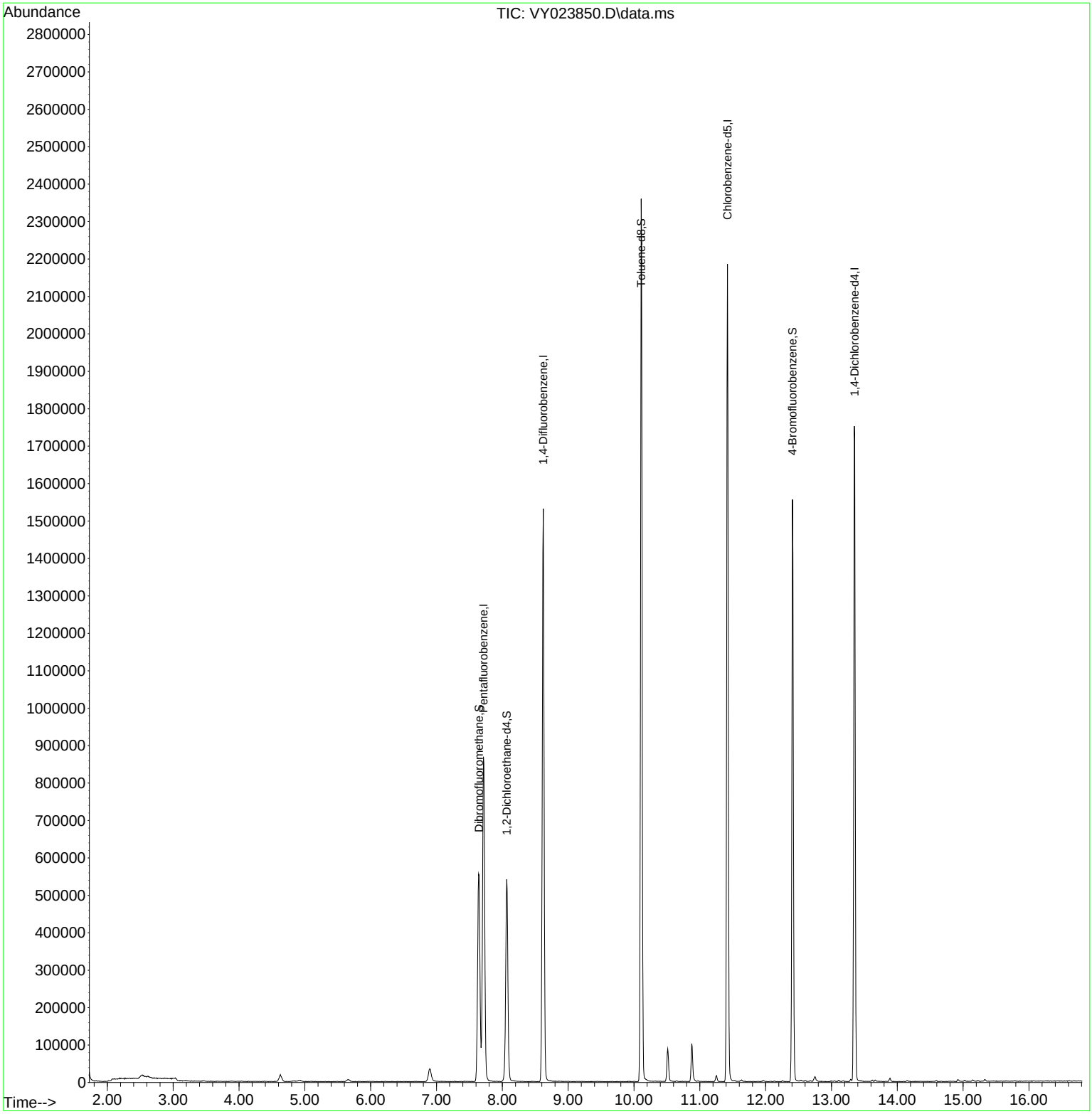
Target Compounds Qvalue

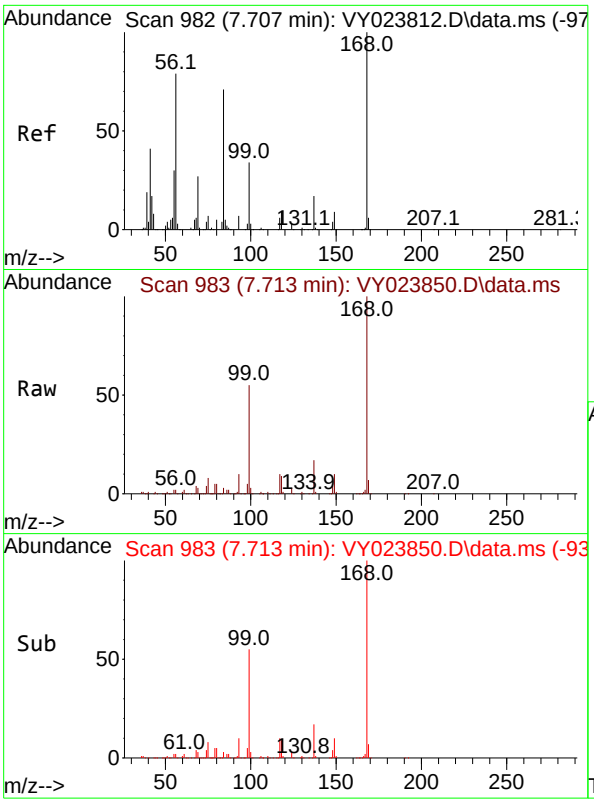
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Quant Time: Dec 03 00:59:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration



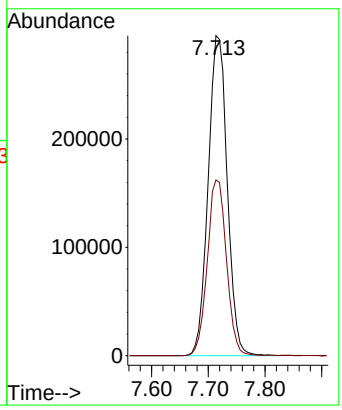


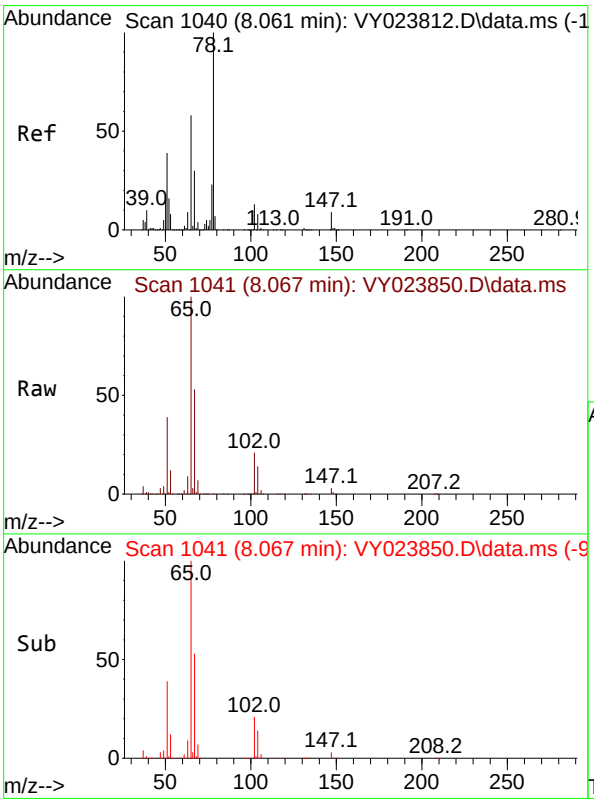
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion:168 Resp: 690111

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.0	66.0

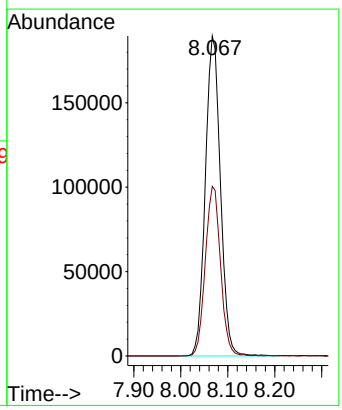


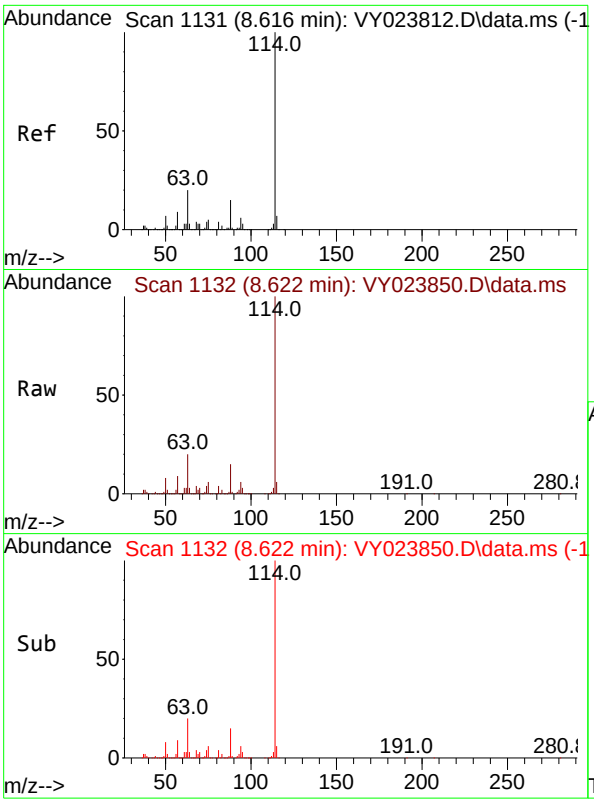


#33
1,2-Dichloroethane-d4
Concen: 62.714 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Tgt Ion: 65 Resp: 421477

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4



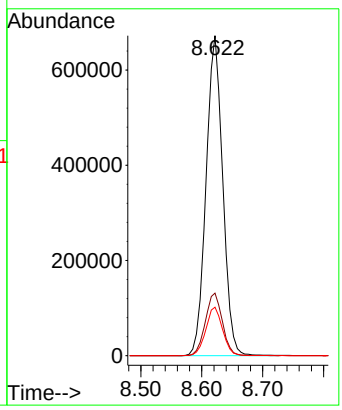


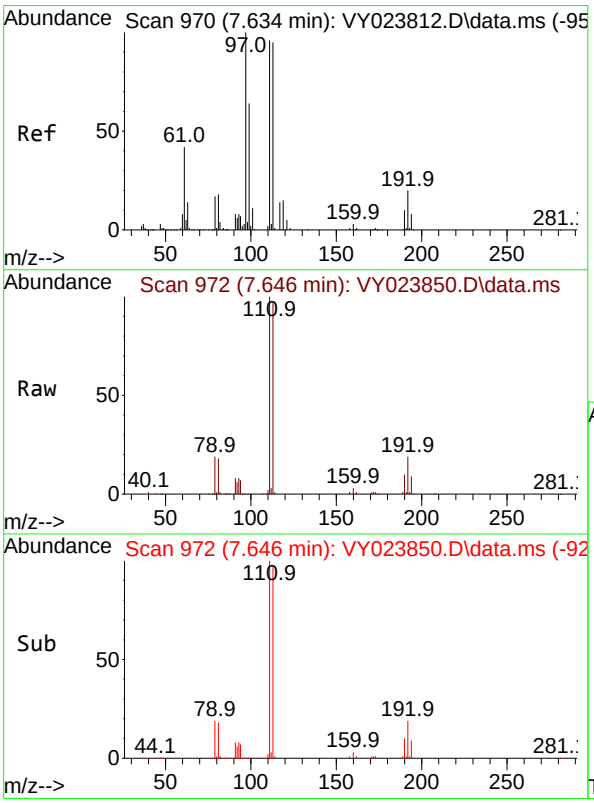
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion:114 Resp: 1278486

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	15.1	0.0	30.8

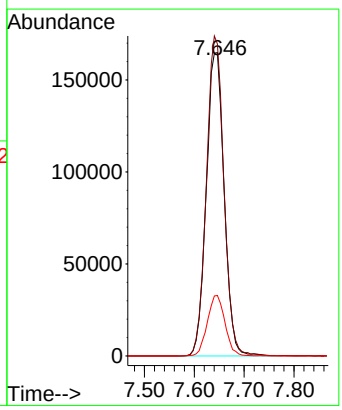


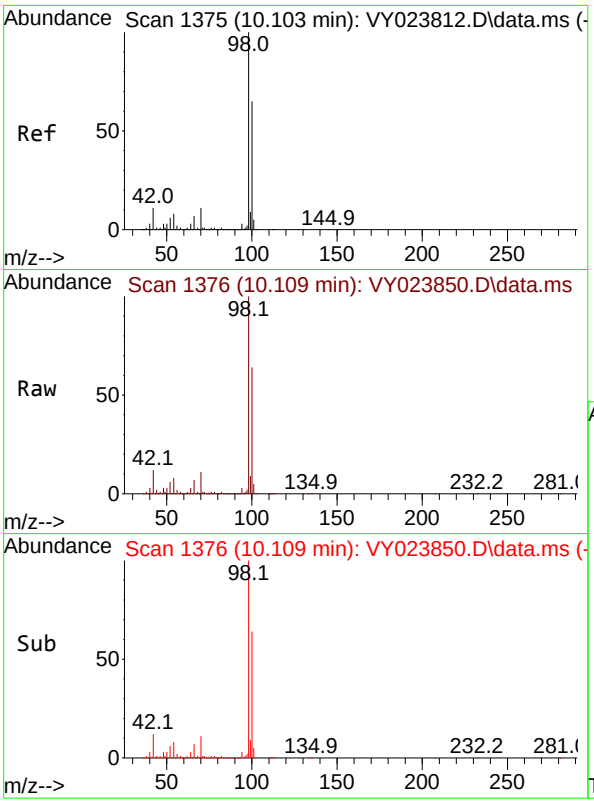


#35
Dibromofluoromethane
Concen: 54.164 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Tgt Ion:113 Resp: 410218

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	19.7	15.8	23.8



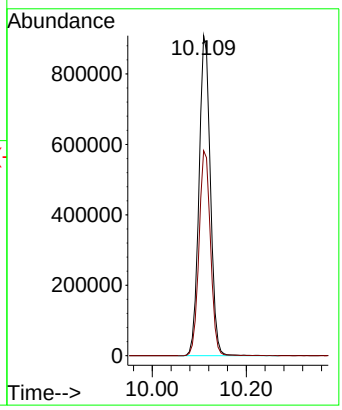


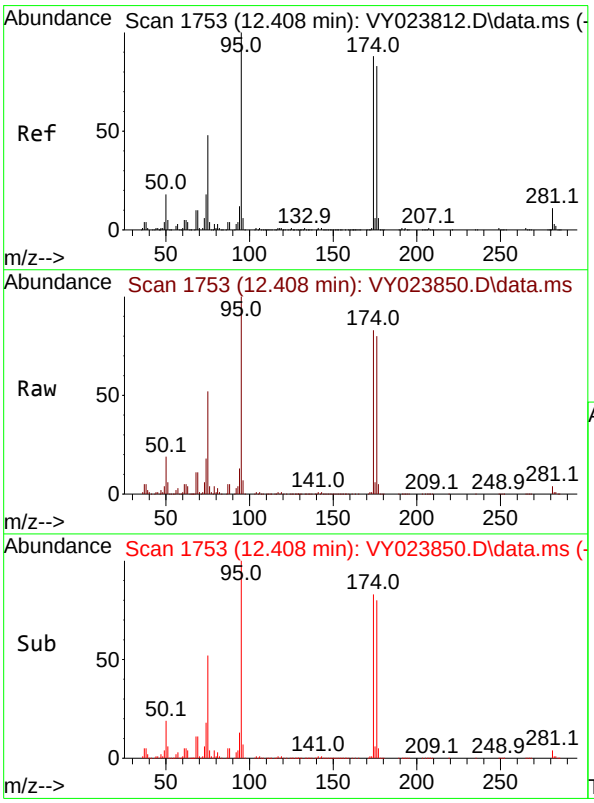
#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion: 98 Resp: 1524404

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

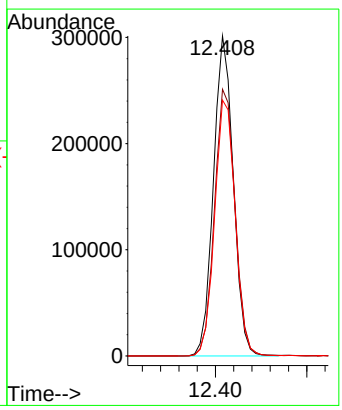


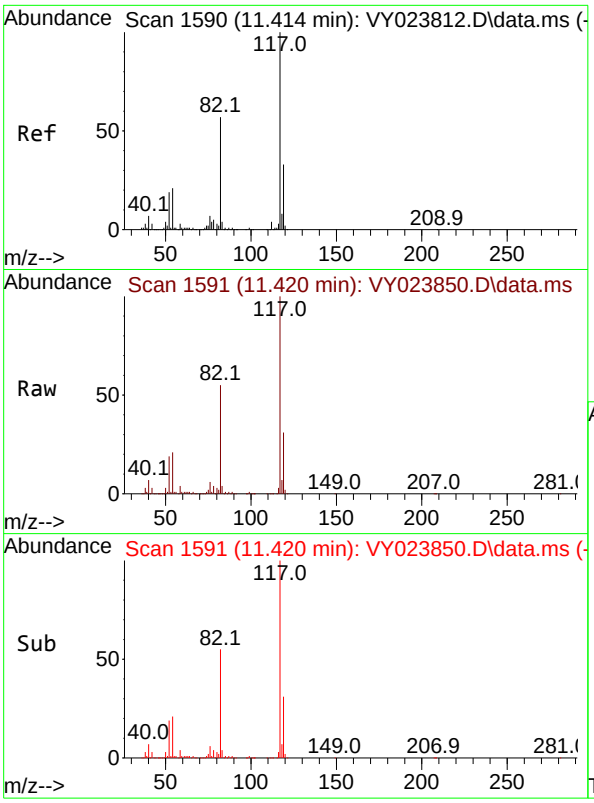


#62
4-Bromofluorobenzene
Concen: 45.904 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Tgt Ion: 95 Resp: 454362

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	168.6
176	82.8	0.0	164.6



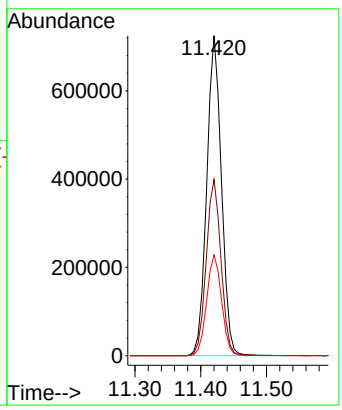


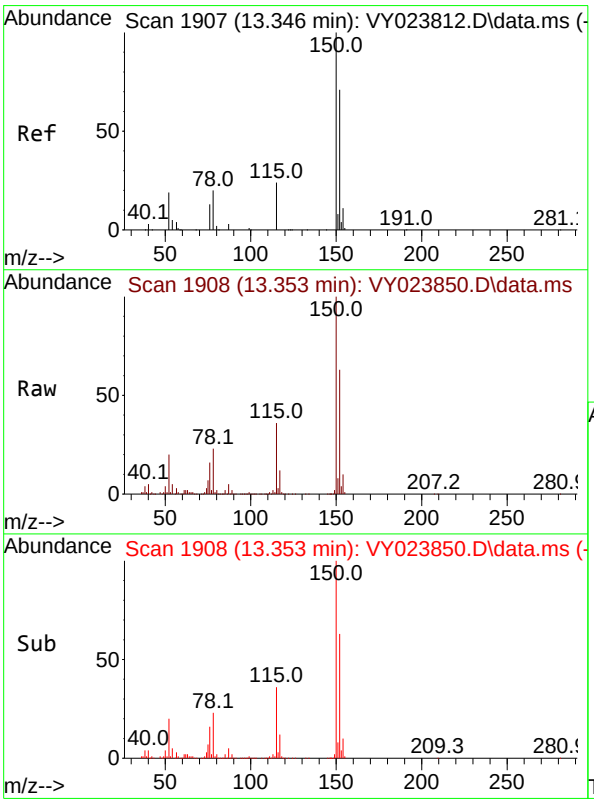
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion:117 Resp: 1125521

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.0
119	31.5	26.0	39.0

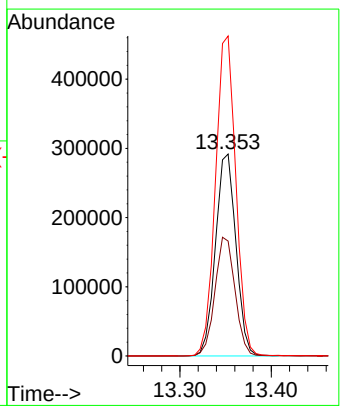




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Tgt Ion:152 Resp: 454228

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.7	86.3
150	157.8	0.0	345.6



Sample Results: **VY023850.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Title : SW846 8260

Signal : TIC: VY023850.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.629	467	477	491	rVB3	18790	54363	1.36%	0.262%
2	6.896	839	849	862	rBV2	33773	110634	2.76%	0.534%
3	7.640	961	971	977	rBV	554449	1357396	33.85%	6.548%
4	7.713	977	983	995	rVB	865077	2009662	50.12%	9.694%
5	8.067	1028	1041	1058	rBV	540442	1269415	31.66%	6.123%
6	8.622	1123	1132	1143	rBV	1530728	2944324	73.43%	14.203%
7	10.109	1368	1376	1398	rBV	2358109	4009659	100.00%	19.342%
8	10.512	1435	1442	1449	rBV	87458	164631	4.11%	0.794%
9	10.877	1496	1502	1514	rBV	100952	174411	4.35%	0.841%
10	11.420	1583	1591	1605	rBV	2184355	3434280	85.65%	16.566%
11	12.408	1745	1753	1768	rBV	1555658	2473887	61.70%	11.934%
12	13.347	1901	1907	1922	rVB	1749735	2727673	68.03%	13.158%

Sum of corrected areas: 20730335

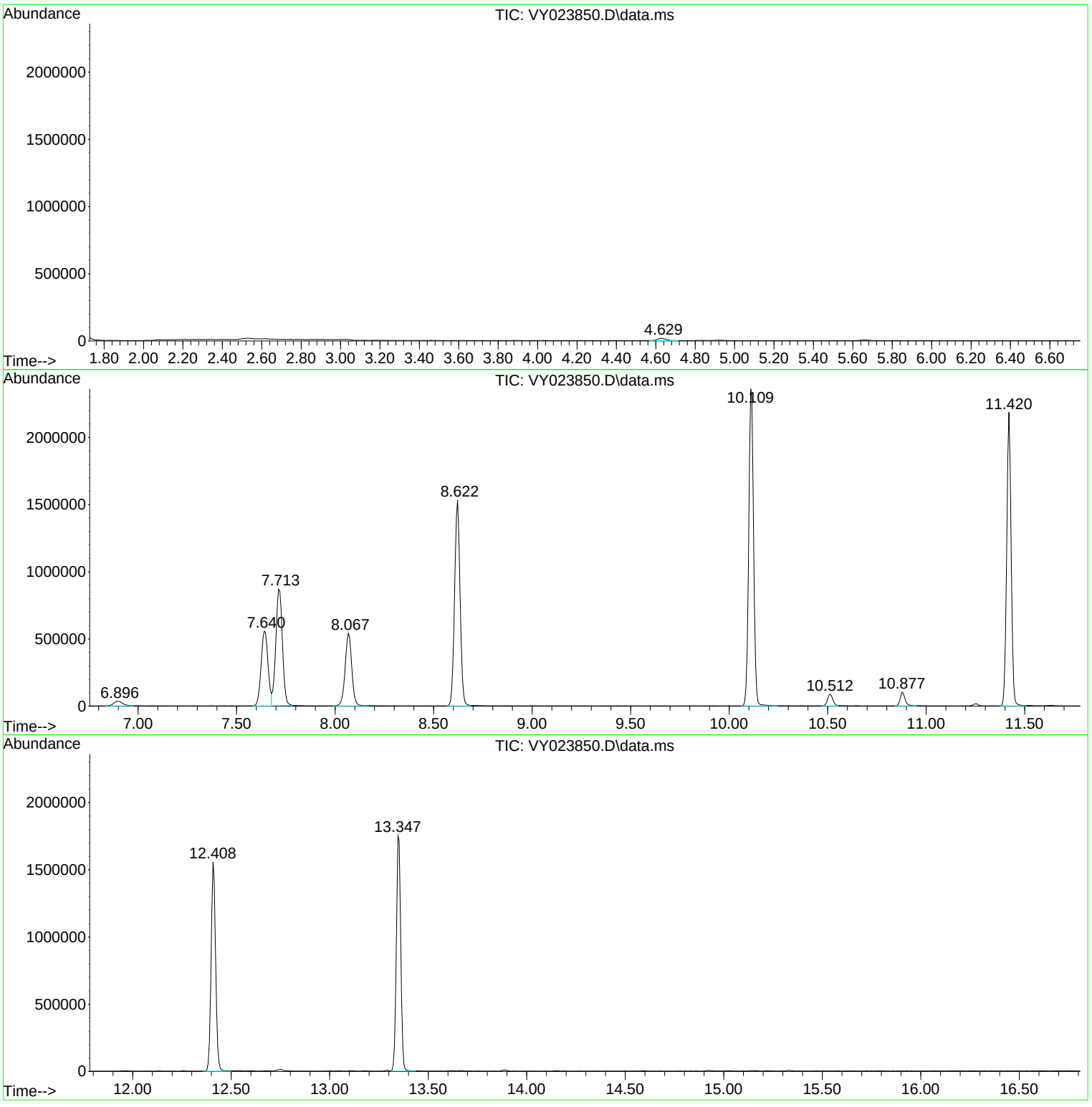
Sample Results: **VY023850.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023850.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023850.D
Acq On : 02 Dec 2025 10:24
Operator : SY/MD
Sample : VY1202SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023878.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1204SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1204SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	12/04/25 08:40	VY120425
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	12/04/25 08:40	VY120425
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	12/04/25 08:40	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	12/04/25 08:40	VY120425
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	12/04/25 08:40	VY120425
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	12/04/25 08:40	VY120425
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	12/04/25 08:40	VY120425
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	12/04/25 08:40	VY120425
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	12/04/25 08:40	VY120425
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	12/04/25 08:40	VY120425
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	12/04/25 08:40	VY120425
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	12/04/25 08:40	VY120425
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	12/04/25 08:40	VY120425
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	12/04/25 08:40	VY120425
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	12/04/25 08:40	VY120425
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	12/04/25 08:40	VY120425
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	12/04/25 08:40	VY120425
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	12/04/25 08:40	VY120425
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	12/04/25 08:40	VY120425
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	12/04/25 08:40	VY120425
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	12/04/25 08:40	VY120425
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	12/04/25 08:40	VY120425
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	12/04/25 08:40	VY120425
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	12/04/25 08:40	VY120425
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	12/04/25 08:40	VY120425
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	12/04/25 08:40	VY120425
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	12/04/25 08:40	VY120425
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	12/04/25 08:40	VY120425
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	12/04/25 08:40	VY120425
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	12/04/25 08:40	VY120425
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	12/04/25 08:40	VY120425
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	12/04/25 08:40	VY120425
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	12/04/25 08:40	VY120425
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	12/04/25 08:40	VY120425
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	12/04/25 08:40	VY120425
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	12/04/25 08:40	VY120425
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	12/04/25 08:40	VY120425
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	12/04/25 08:40	VY120425

Raw Data: **VY023878.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1204SBL01			SDG No.:	Q3742
Lab Sample ID:	VY1204SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	12/04/25 08:40	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	12/04/25 08:40	VY120425
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	12/04/25 08:40	VY120425
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	12/04/25 08:40	VY120425
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	12/04/25 08:40	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	12/04/25 08:40	VY120425
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	12/04/25 08:40	VY120425
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	12/04/25 08:40	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.0			63 - 155	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.1			70 - 134	98%	SPK: 50		
2037-26-5	Toluene-d8	46.9			74 - 123	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.4			52 - 138	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	753000							
540-36-3	1,4-Difluorobenzene	1350000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	487000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY023878.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Time: Dec 05 01:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	753303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1347495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1163906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	486950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	429775	57.031	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.060%			
35) Dibromofluoromethane	7.640	113	424127	49.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.109	98	1576715	46.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.760%			
62) 4-Bromofluorobenzene	12.407	95	475025	41.411	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.820%			

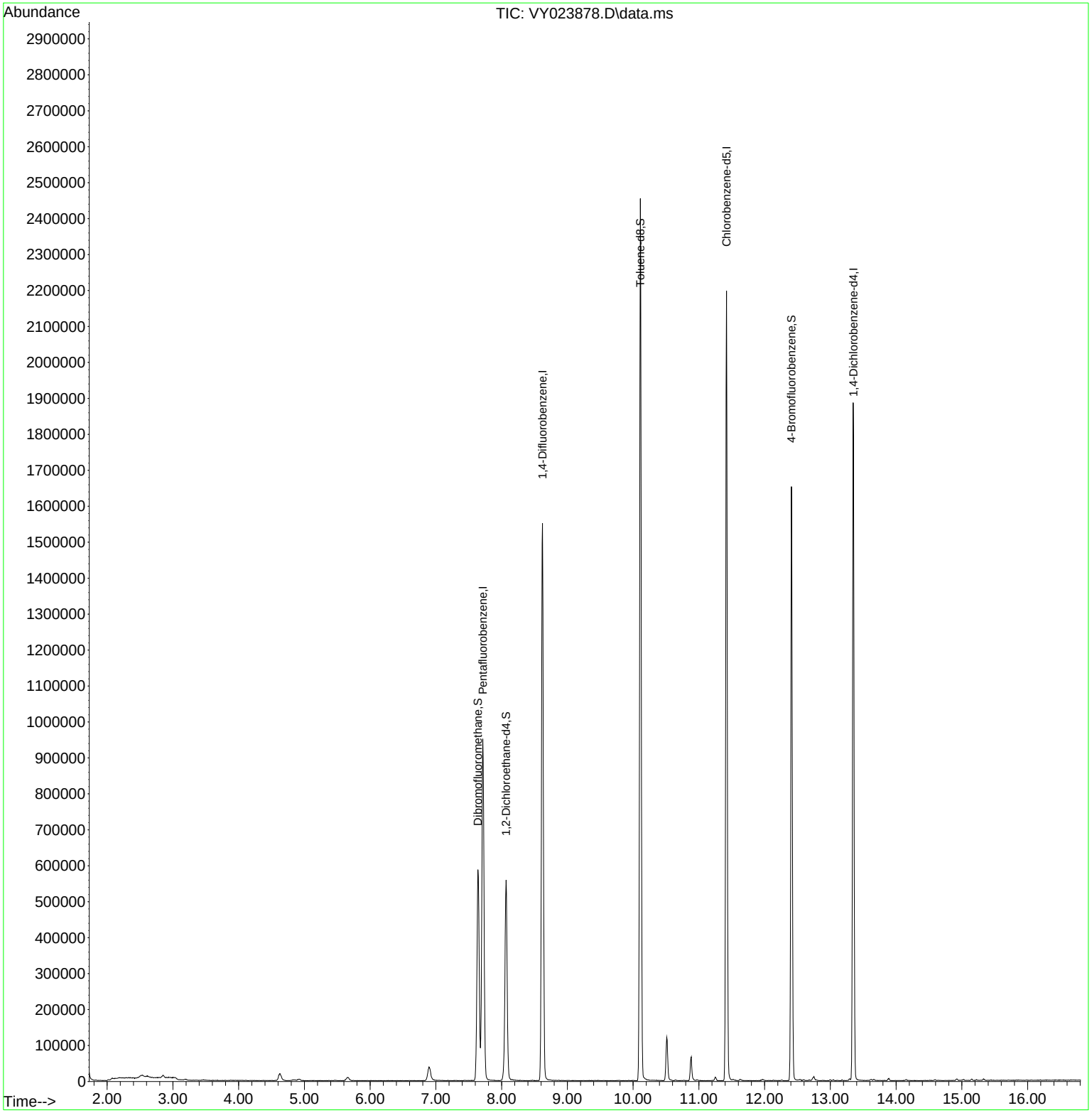
Target Compounds Qvalue

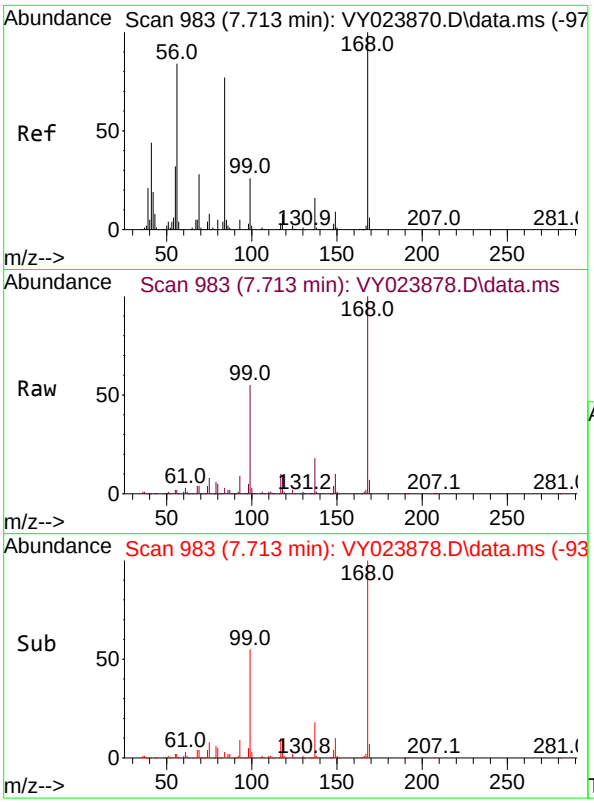
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Time: Dec 05 01:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration



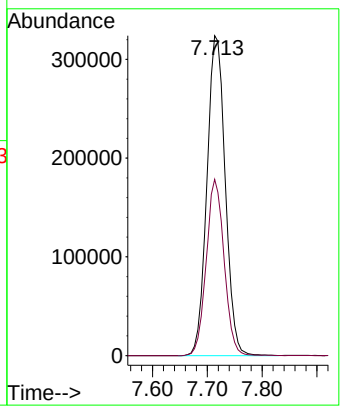


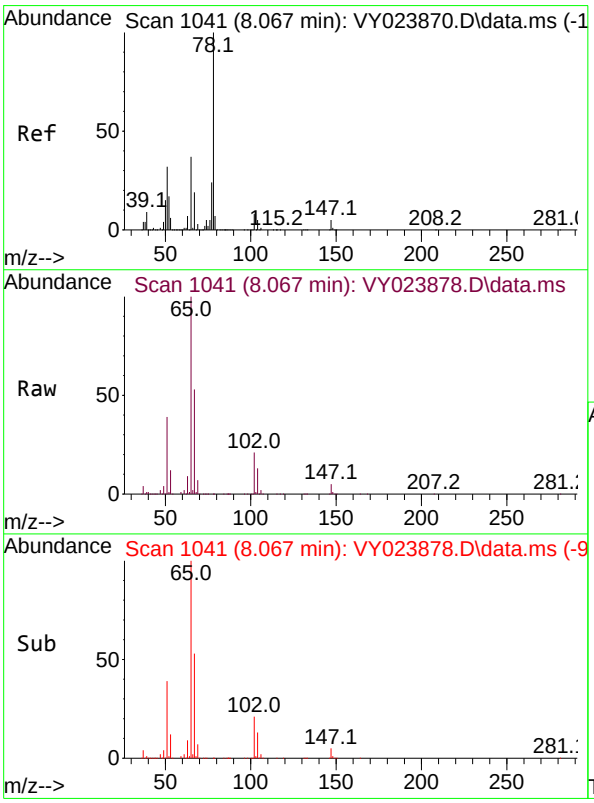
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion:168 Resp: 753303

Ion	Ratio	Lower	Upper
168	100		
99	55.1	42.5	63.7

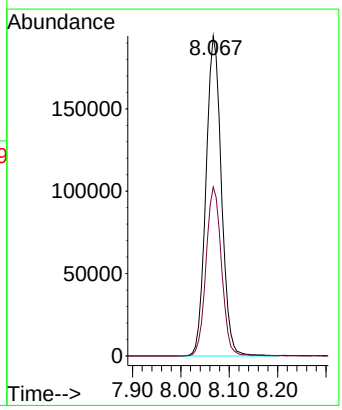


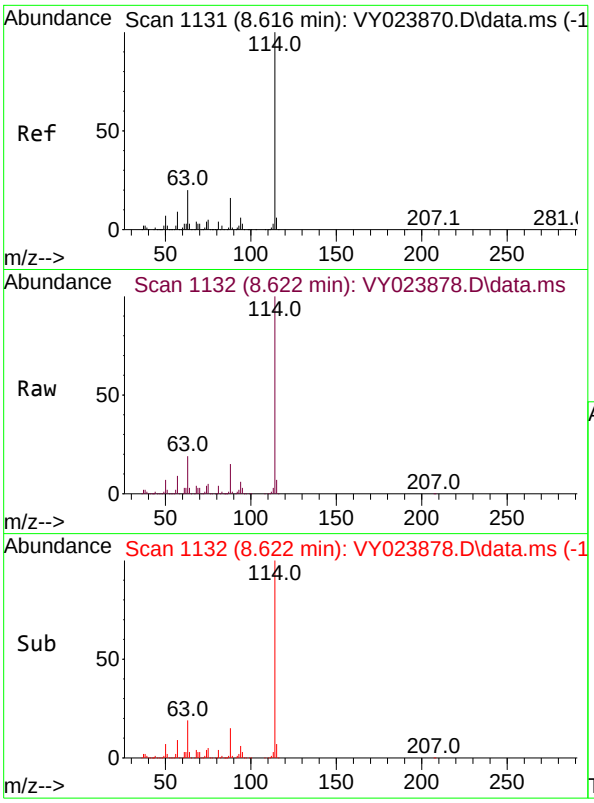


#33
1,2-Dichloroethane-d4
Concen: 57.031 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion: 65 Resp: 429775

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.2



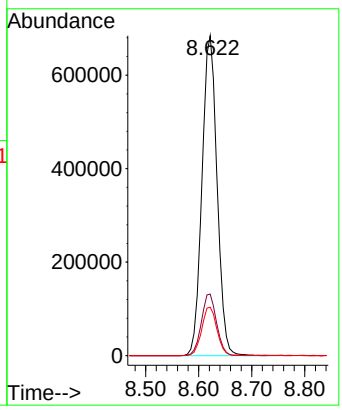


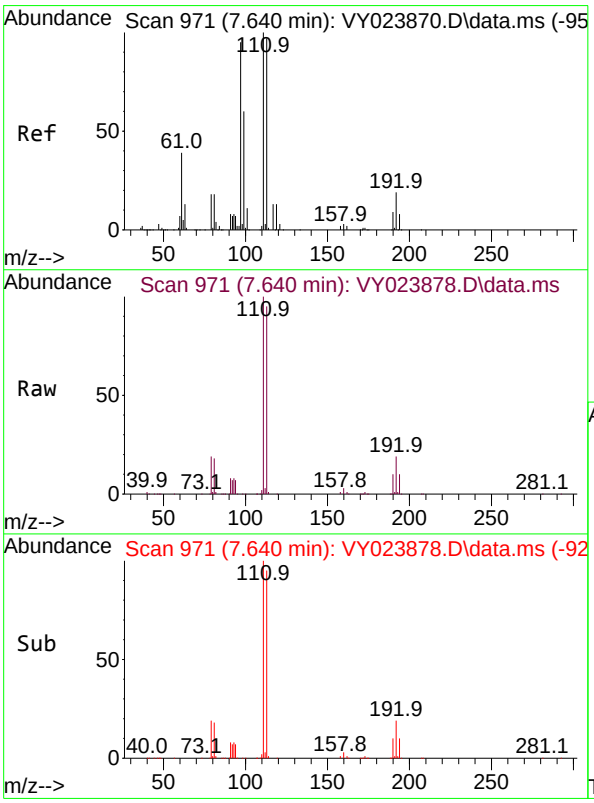
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion:114 Resp: 1347495

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.2
88	15.1	0.0	31.4

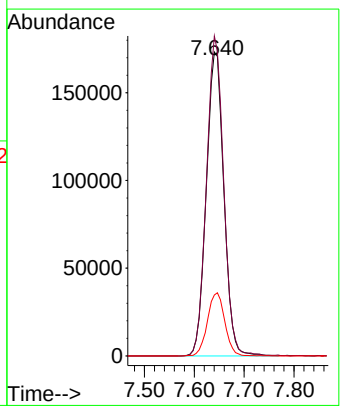


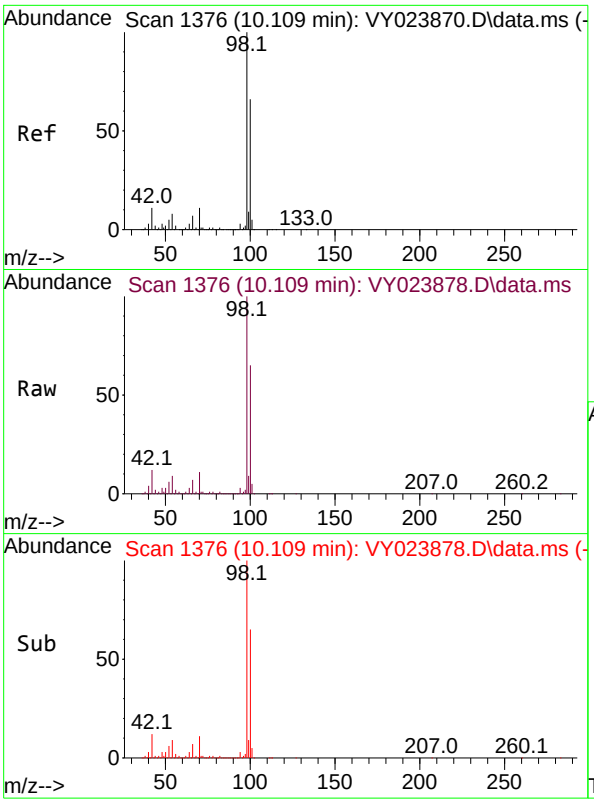


#35
Dibromofluoromethane
Concen: 49.075 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion:113 Resp: 424127

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	20.5	15.8	23.8



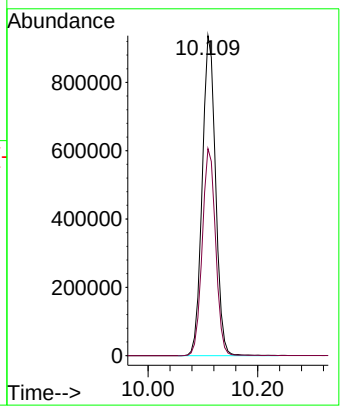


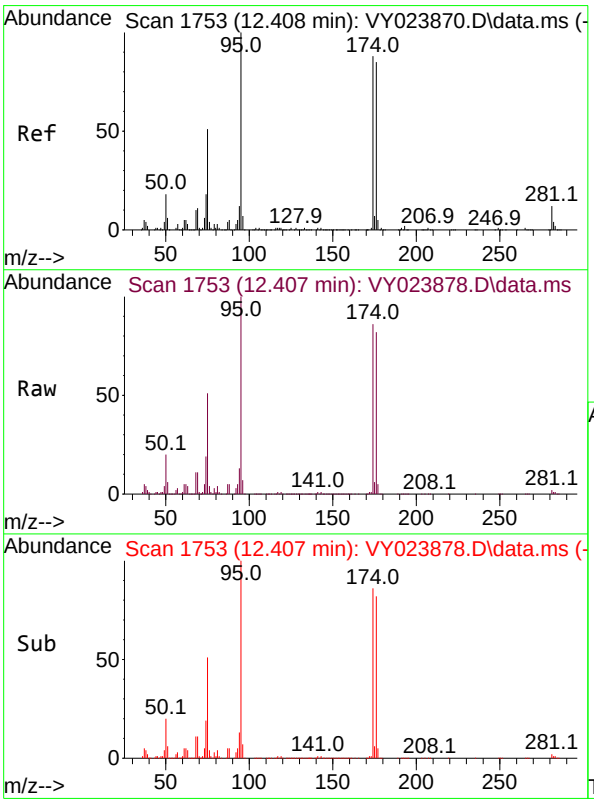
#50
Toluene-d8
Concen: 46.882 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion: 98 Resp: 1576715

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7

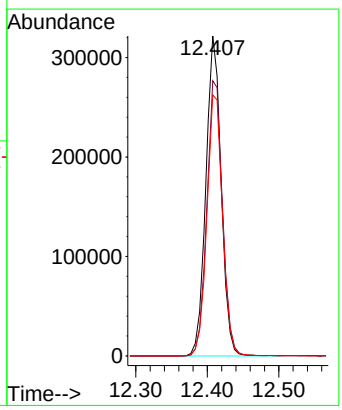


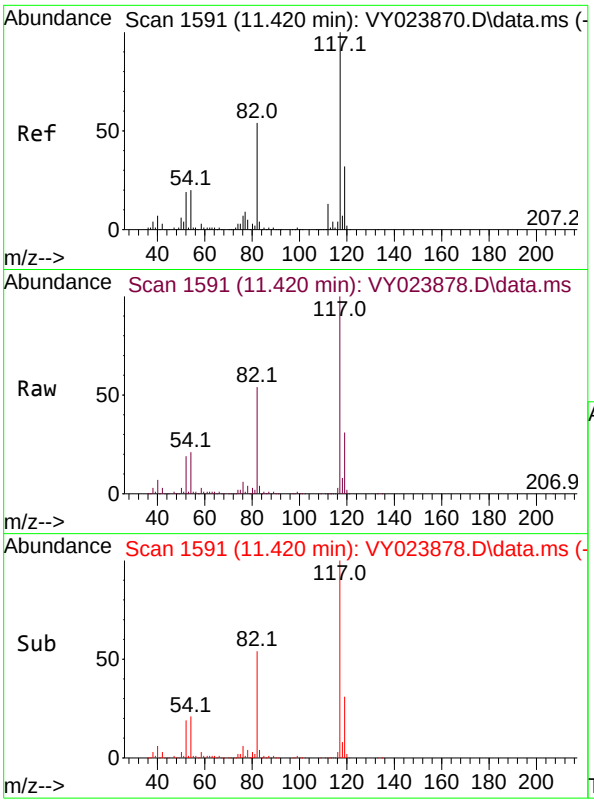


#62
4-Bromofluorobenzene
Concen: 41.411 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion: 95 Resp: 475025

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	169.6
176	84.0	0.0	164.4



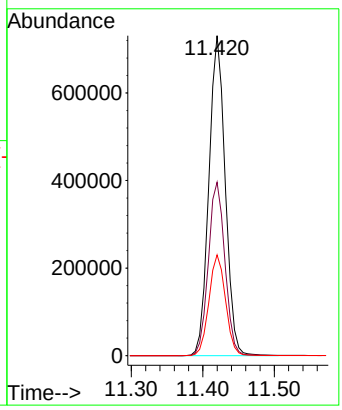


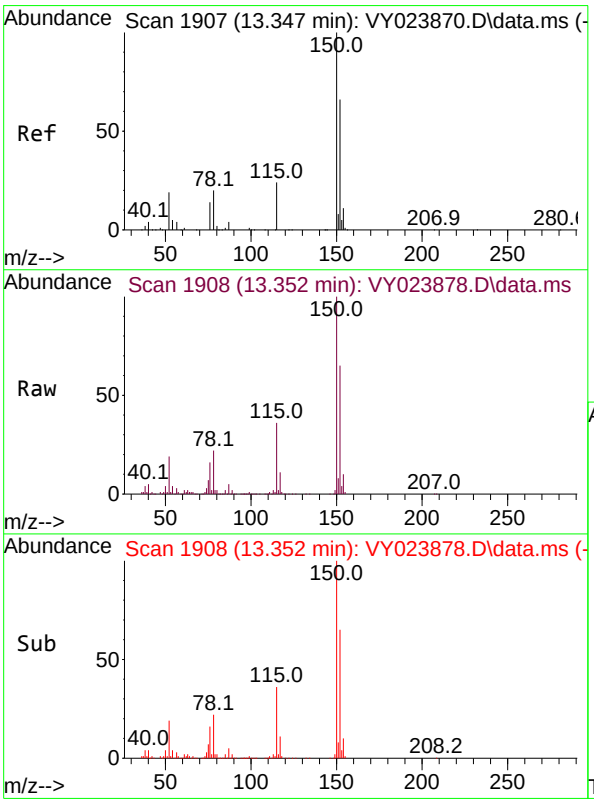
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Tgt Ion:117 Resp: 1163906

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.1	64.7
119	31.5	26.0	39.0

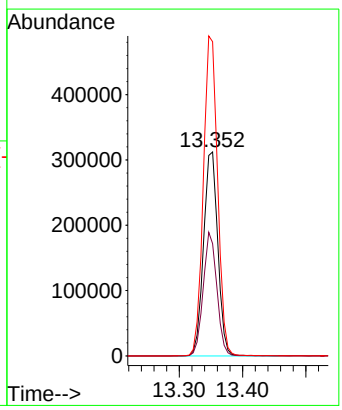




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion:152 Resp: 486950

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.4
150	156.3	0.0	352.2



Sample Results: **VY023878.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Title : SW846 8260

Signal : TIC: VY023878.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.628	467	477	492	rVB3	19608	63488	1.53%	0.294%
2	6.896	838	849	862	rBV	38230	125959	3.04%	0.583%
3	7.640	961	971	977	rBV	586376	1406901	33.93%	6.509%
4	7.713	977	983	997	rVB	948844	2161337	52.12%	9.999%
5	8.067	1026	1041	1053	rBV	557958	1308345	31.55%	6.053%
6	8.622	1122	1132	1146	rBV	1549931	3074082	74.14%	14.221%
7	10.109	1368	1376	1392	rBV	2453787	4146475	100.00%	19.183%
8	10.511	1434	1442	1458	rBV	121174	237590	5.73%	1.099%
9	10.883	1497	1503	1513	rBV	65759	114497	2.76%	0.530%
10	11.420	1582	1591	1605	rBV	2196950	3547456	85.55%	16.411%
11	12.407	1745	1753	1768	rBV	1652636	2541415	61.29%	11.757%
12	13.346	1901	1907	1922	rVB	1884288	2888237	69.66%	13.362%

Sum of corrected areas: 21615782

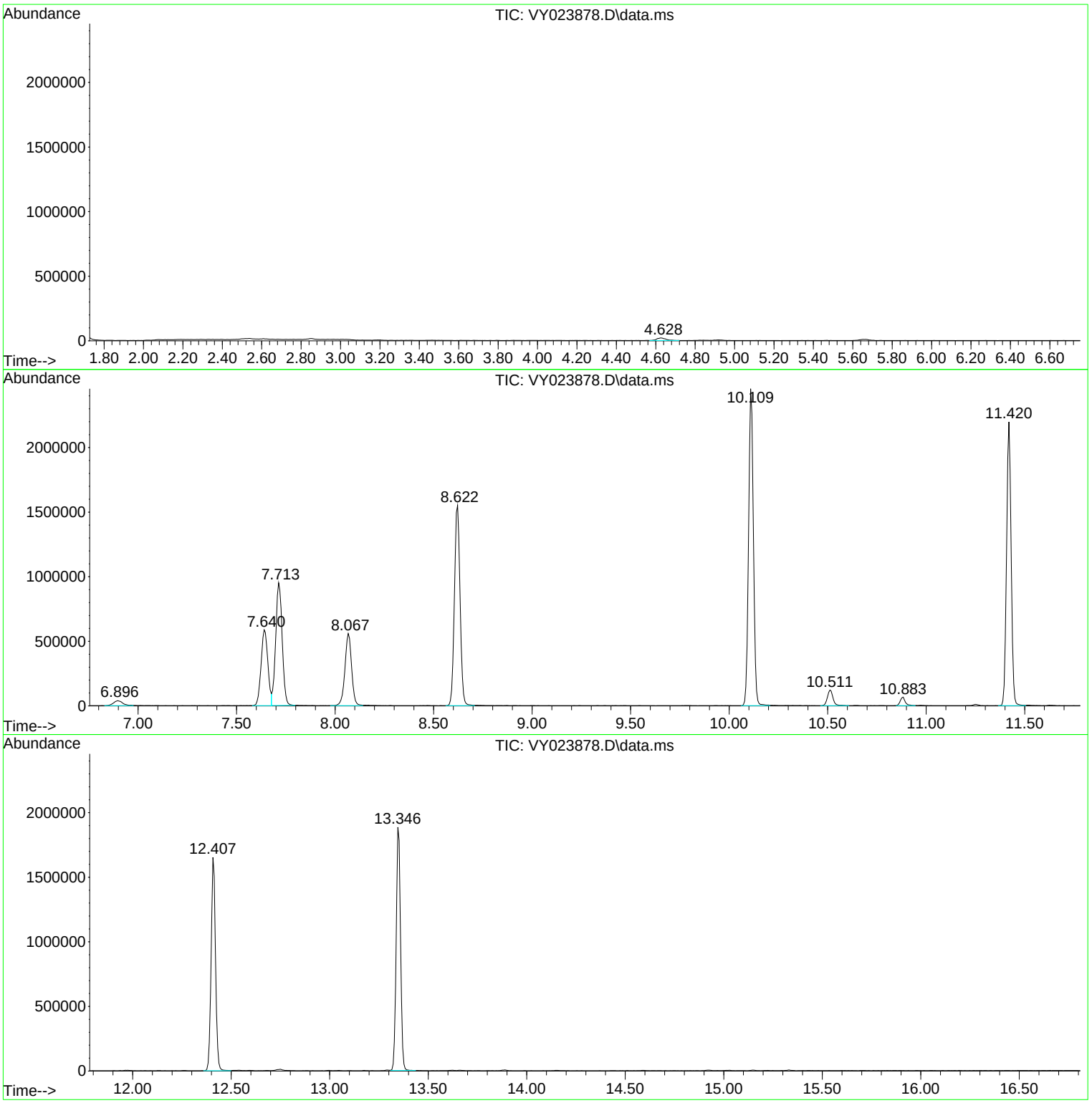
Sample Results: **VY023878.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY023878.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023878.D
Acq On : 04 Dec 2025 08:40
Operator : SY/MD
Sample : VY1204SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY023831.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.3		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
74-87-3	Chloromethane	18.5		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
75-01-4	Vinyl Chloride	19.8		1	0.79	5.00	ug/Kg	12/01/25 09:37	VY120125
74-83-9	Bromomethane	19.4		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
75-00-3	Chloroethane	20.4		1	1.30	5.00	ug/Kg	12/01/25 09:37	VY120125
75-69-4	Trichlorofluoromethane	21.9		1	1.20	5.00	ug/Kg	12/01/25 09:37	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	23.0		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
75-35-4	1,1-Dichloroethene	21.2		1	1.00	5.00	ug/Kg	12/01/25 09:37	VY120125
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	12/01/25 09:37	VY120125
75-15-0	Carbon Disulfide	18.1		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
1634-04-4	Methyl tert-butyl Ether	20.6		1	0.73	5.00	ug/Kg	12/01/25 09:37	VY120125
79-20-9	Methyl Acetate	18.4		1	1.50	5.00	ug/Kg	12/01/25 09:37	VY120125
75-09-2	Methylene Chloride	18.8		1	3.50	10.0	ug/Kg	12/01/25 09:37	VY120125
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	12/01/25 09:37	VY120125
75-34-3	1,1-Dichloroethane	21.7		1	0.80	5.00	ug/Kg	12/01/25 09:37	VY120125
110-82-7	Cyclohexane	21.0		1	0.79	5.00	ug/Kg	12/01/25 09:37	VY120125
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	12/01/25 09:37	VY120125
56-23-5	Carbon Tetrachloride	23.1		1	0.97	5.00	ug/Kg	12/01/25 09:37	VY120125
156-59-2	cis-1,2-Dichloroethene	21.0		1	0.75	5.00	ug/Kg	12/01/25 09:37	VY120125
74-97-5	Bromochloromethane	19.2		1	1.20	5.00	ug/Kg	12/01/25 09:37	VY120125
67-66-3	Chloroform	22.0		1	0.84	5.00	ug/Kg	12/01/25 09:37	VY120125
71-55-6	1,1,1-Trichloroethane	22.3		1	0.93	5.00	ug/Kg	12/01/25 09:37	VY120125
108-87-2	Methylcyclohexane	22.0		1	0.91	5.00	ug/Kg	12/01/25 09:37	VY120125
71-43-2	Benzene	22.0		1	0.79	5.00	ug/Kg	12/01/25 09:37	VY120125
107-06-2	1,2-Dichloroethane	22.3		1	0.79	5.00	ug/Kg	12/01/25 09:37	VY120125
79-01-6	Trichloroethene	22.6		1	0.81	5.00	ug/Kg	12/01/25 09:37	VY120125
78-87-5	1,2-Dichloropropane	22.6		1	0.91	5.00	ug/Kg	12/01/25 09:37	VY120125
75-27-4	Bromodichloromethane	22.2		1	0.78	5.00	ug/Kg	12/01/25 09:37	VY120125
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	12/01/25 09:37	VY120125
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	12/01/25 09:37	VY120125
10061-02-6	t-1,3-Dichloropropene	21.4		1	0.65	5.00	ug/Kg	12/01/25 09:37	VY120125
10061-01-5	cis-1,3-Dichloropropene	22.0		1	0.62	5.00	ug/Kg	12/01/25 09:37	VY120125
79-00-5	1,1,2-Trichloroethane	22.0		1	0.92	5.00	ug/Kg	12/01/25 09:37	VY120125
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	12/01/25 09:37	VY120125
124-48-1	Dibromochloromethane	22.0		1	0.87	5.00	ug/Kg	12/01/25 09:37	VY120125
106-93-4	1,2-Dibromoethane	21.2		1	0.88	5.00	ug/Kg	12/01/25 09:37	VY120125
127-18-4	Tetrachloroethene	23.3		1	1.10	5.00	ug/Kg	12/01/25 09:37	VY120125
108-90-7	Chlorobenzene	22.6		1	0.91	5.00	ug/Kg	12/01/25 09:37	VY120125
100-41-4	Ethyl Benzene	22.9		1	0.67	5.00	ug/Kg	12/01/25 09:37	VY120125
179601-23-1	m/p-Xylenes	46.2		1	1.20	10.0	ug/Kg	12/01/25 09:37	VY120125
95-47-6	o-Xylene	22.5		1	0.82	5.00	ug/Kg	12/01/25 09:37	VY120125
100-42-5	Styrene	22.7		1	0.71	5.00	ug/Kg	12/01/25 09:37	VY120125
75-25-2	Bromoform	21.9		1	0.86	5.00	ug/Kg	12/01/25 09:37	VY120125

Raw Data: **VY023831.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	22.6		1	0.78	5.00	ug/Kg	12/01/25 09:37	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1	1.20	5.00	ug/Kg	12/01/25 09:37	VY120125
541-73-1	1,3-Dichlorobenzene	21.6		1	1.70	5.00	ug/Kg	12/01/25 09:37	VY120125
106-46-7	1,4-Dichlorobenzene	21.6		1	1.60	5.00	ug/Kg	12/01/25 09:37	VY120125
95-50-1	1,2-Dichlorobenzene	21.9		1	1.50	5.00	ug/Kg	12/01/25 09:37	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1	1.80	5.00	ug/Kg	12/01/25 09:37	VY120125
120-82-1	1,2,4-Trichlorobenzene	20.8		1	3.00	5.00	ug/Kg	12/01/25 09:37	VY120125
87-61-6	1,2,3-Trichlorobenzene	21.2		1	3.20	5.00	ug/Kg	12/01/25 09:37	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.7			63 - 155	95%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.2			52 - 138	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	535000							
540-36-3	1,4-Difluorobenzene	821000							
3114-55-4	Chlorobenzene-d5	693000							
3855-82-1	1,4-Dichlorobenzene-d4	360000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY1201SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:12:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	535284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	821167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	693280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	248830	47.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.460%			
35) Dibromofluoromethane	7.640	113	245782	50.526	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.109	98	970281	50.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.408	95	312712	49.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89977	22.304	ug/l	98
3) Chloromethane	2.074	50	113977	18.468	ug/l	98
4) Vinyl Chloride	2.214	62	132305	19.818	ug/l	97
5) Bromomethane	2.598	94	91332	19.393	ug/l	98
6) Chloroethane	2.739	64	88723	20.392	ug/l	99
7) Trichlorofluoromethane	3.068	101	197869	21.922	ug/l	97
8) Diethyl Ether	3.458	74	57657	20.282	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	121248	23.016	ug/l	100
10) Methyl Iodide	4.013	142	111306	19.282	ug/l	100
11) Tert butyl alcohol	4.872	59	34349	80.230	ug/l	99
12) 1,1-Dichloroethene	3.793	96	109976	21.220	ug/l	98
13) Acrolein	3.659	56	58063	94.341	ug/l	99
14) Allyl chloride	4.391	41	175485	21.374	ug/l	100
15) Acrylonitrile	5.074	53	130380	106.262	ug/l	99
16) Acetone	3.879	43	178820	119.062	ug/l	99
17) Carbon Disulfide	4.110	76	302314	18.075	ug/l	99
18) Methyl Acetate	4.391	43	53409	18.414	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	272508	20.576	ug/l	98
20) Methylene Chloride	4.629	84	119171	18.768	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	121125	21.109	ug/l	99
22) Diisopropyl ether	6.025	45	393709	22.177	ug/l	99
23) Vinyl Acetate	5.970	43	1063545	107.732	ug/l	100
24) 1,1-Dichloroethane	5.927	63	226397	21.678	ug/l	97
25) 2-Butanone	6.903	43	202591	110.530	ug/l	98
26) 2,2-Dichloropropane	6.890	77	197627	21.349	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	140195	21.039	ug/l	99
28) Bromochloromethane	7.250	49	83277	19.170	ug/l	99
29) Tetrahydrofuran	7.268	42	103454	101.198	ug/l	99
30) Chloroform	7.427	83	230773	21.975	ug/l	100
31) Cyclohexane	7.707	56	210277	20.982	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	208075	22.322	ug/l	99
36) 1,1-Dichloropropene	7.841	75	170161	22.814	ug/l	98
37) Ethyl Acetate	6.988	43	76926	21.927	ug/l	98
38) Carbon Tetrachloride	7.823	117	189158	23.105	ug/l	99
39) Methylcyclohexane	9.110	83	216857	22.015	ug/l	98
40) Benzene	8.085	78	505947	22.043	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY1201SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:12:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36625	20.911	ug/l		96
42) 1,2-Dichloroethane	8.165	62	131688	22.255	ug/l		99
43) Isopropyl Acetate	8.201	43	135465	20.662	ug/l		98
44) Trichloroethene	8.866	130	133143	22.609	ug/l		99
45) 1,2-Dichloropropane	9.146	63	122233	22.587	ug/l		99
46) Dibromomethane	9.238	93	63760	21.713	ug/l		98
47) Bromodichloromethane	9.427	83	170078	22.162	ug/l		98
48) Methyl methacrylate	9.225	41	65192	21.120	ug/l		99
49) 1,4-Dioxane	9.231	88	13950	423.887	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	369864	107.166	ug/l		99
52) Toluene	10.170	92	320816	22.547	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	150627	21.427	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	185024	21.988	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	86396	21.964	ug/l		95
56) Ethyl methacrylate	10.439	69	105292	20.386	ug/l		98
57) 1,3-Dichloropropane	10.719	76	149278	21.755	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	212318	85.570	ug/l		99
59) 2-Hexanone	10.762	43	291270	114.126	ug/l		98
60) Dibromochloromethane	10.914	129	116254	22.024	ug/l		99
61) 1,2-Dibromoethane	11.018	107	77457	21.214	ug/l		100
64) Tetrachloroethene	10.652	164	153349	23.317	ug/l		96
65) Chlorobenzene	11.444	112	344594	22.644	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	118503	22.922	ug/l		99
67) Ethyl Benzene	11.524	91	594212	22.860	ug/l		97
68) m/p-Xylenes	11.627	106	462889	46.213	ug/l		99
69) o-Xylene	11.957	106	211631	22.537	ug/l		99
70) Styrene	11.969	104	350904	22.684	ug/l		100
71) Bromoform	12.133	173	66096	21.918	ug/l		99
73) Isopropylbenzene	12.255	105	577632	22.596	ug/l		100
74) N-amyl acetate	12.072	43	113778	19.922	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	87761	20.852	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	61026m	19.483	ug/l		
77) Bromobenzene	12.530	156	130000	21.620	ug/l		98
78) n-propylbenzene	12.597	91	707533	22.988	ug/l		99
79) 2-Chlorotoluene	12.682	91	391060	22.077	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	470287	22.535	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	30845	20.814	ug/l		97
82) 4-Chlorotoluene	12.780	91	404596	22.240	ug/l		100
83) tert-Butylbenzene	12.999	119	423201	22.574	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	466685	22.376	ug/l		100
85) sec-Butylbenzene	13.176	105	637239	23.027	ug/l		99
86) p-Isopropyltoluene	13.292	119	528395	22.843	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	260011	21.576	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	259834	21.601	ug/l		99
89) n-Butylbenzene	13.615	91	482726	22.760	ug/l		99
90) Hexachloroethane	13.877	117	108829	22.393	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	231193	21.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13788	19.572	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	130560	20.779	ug/l		99
94) Hexachlorobutadiene	15.023	225	88094	22.514	ug/l		97
95) Naphthalene	15.145	128	208532	19.680	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	113544	21.218	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY1201SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 03:12:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

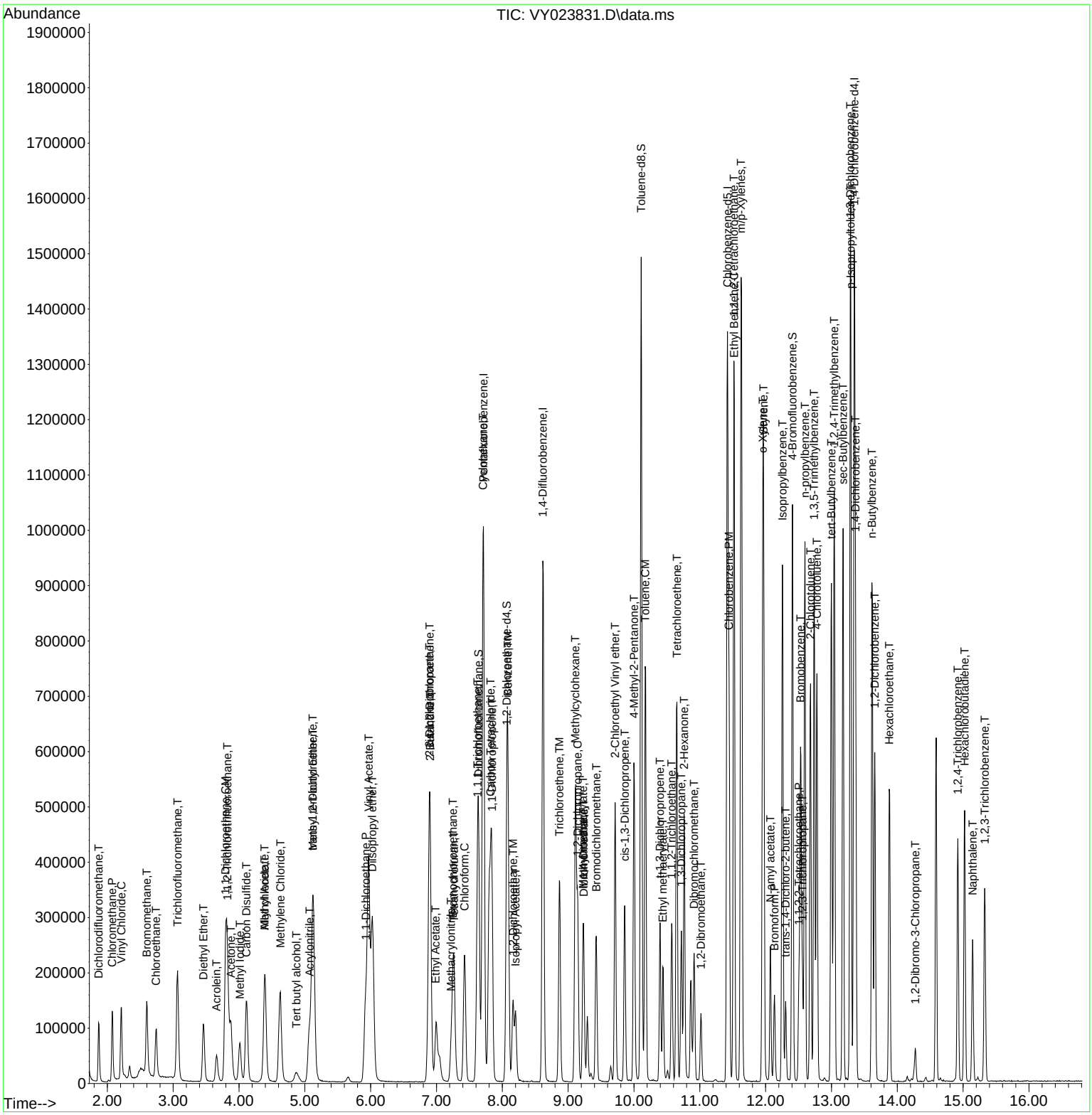
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY1201SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:12:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



Raw Data: **VY023851.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1202SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1202SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.7		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
74-87-3	Chloromethane	18.4		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
75-01-4	Vinyl Chloride	19.2		1	0.79	5.00	ug/Kg	12/02/25 10:53	VY120225
74-83-9	Bromomethane	20.3		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
75-00-3	Chloroethane	20.1		1	1.30	5.00	ug/Kg	12/02/25 10:53	VY120225
75-69-4	Trichlorofluoromethane	21.3		1	1.20	5.00	ug/Kg	12/02/25 10:53	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	22.8		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
75-35-4	1,1-Dichloroethene	20.5		1	1.00	5.00	ug/Kg	12/02/25 10:53	VY120225
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	12/02/25 10:53	VY120225
75-15-0	Carbon Disulfide	17.4		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	12/02/25 10:53	VY120225
79-20-9	Methyl Acetate	19.4		1	1.50	5.00	ug/Kg	12/02/25 10:53	VY120225
75-09-2	Methylene Chloride	19.4		1	3.50	10.0	ug/Kg	12/02/25 10:53	VY120225
156-60-5	trans-1,2-Dichloroethene	19.9		1	0.86	5.00	ug/Kg	12/02/25 10:53	VY120225
75-34-3	1,1-Dichloroethane	21.2		1	0.80	5.00	ug/Kg	12/02/25 10:53	VY120225
110-82-7	Cyclohexane	20.3		1	0.79	5.00	ug/Kg	12/02/25 10:53	VY120225
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	12/02/25 10:53	VY120225
56-23-5	Carbon Tetrachloride	21.8		1	0.97	5.00	ug/Kg	12/02/25 10:53	VY120225
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.75	5.00	ug/Kg	12/02/25 10:53	VY120225
74-97-5	Bromochloromethane	18.9		1	1.20	5.00	ug/Kg	12/02/25 10:53	VY120225
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	12/02/25 10:53	VY120225
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	12/02/25 10:53	VY120225
108-87-2	Methylcyclohexane	20.5		1	0.91	5.00	ug/Kg	12/02/25 10:53	VY120225
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	12/02/25 10:53	VY120225
107-06-2	1,2-Dichloroethane	21.8		1	0.79	5.00	ug/Kg	12/02/25 10:53	VY120225
79-01-6	Trichloroethene	21.6		1	0.81	5.00	ug/Kg	12/02/25 10:53	VY120225
78-87-5	1,2-Dichloropropane	21.9		1	0.91	5.00	ug/Kg	12/02/25 10:53	VY120225
75-27-4	Bromodichloromethane	21.9		1	0.78	5.00	ug/Kg	12/02/25 10:53	VY120225
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	12/02/25 10:53	VY120225
108-88-3	Toluene	21.6		1	0.78	5.00	ug/Kg	12/02/25 10:53	VY120225
10061-02-6	t-1,3-Dichloropropene	20.9		1	0.65	5.00	ug/Kg	12/02/25 10:53	VY120225
10061-01-5	cis-1,3-Dichloropropene	21.4		1	0.62	5.00	ug/Kg	12/02/25 10:53	VY120225
79-00-5	1,1,2-Trichloroethane	22.1		1	0.92	5.00	ug/Kg	12/02/25 10:53	VY120225
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	12/02/25 10:53	VY120225
124-48-1	Dibromochloromethane	21.8		1	0.87	5.00	ug/Kg	12/02/25 10:53	VY120225
106-93-4	1,2-Dibromoethane	21.3		1	0.88	5.00	ug/Kg	12/02/25 10:53	VY120225
127-18-4	Tetrachloroethene	22.1		1	1.10	5.00	ug/Kg	12/02/25 10:53	VY120225
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	12/02/25 10:53	VY120225
100-41-4	Ethyl Benzene	21.4		1	0.67	5.00	ug/Kg	12/02/25 10:53	VY120225
179601-23-1	m/p-Xylenes	43.4		1	1.20	10.0	ug/Kg	12/02/25 10:53	VY120225
95-47-6	o-Xylene	21.2		1	0.82	5.00	ug/Kg	12/02/25 10:53	VY120225
100-42-5	Styrene	21.4		1	0.71	5.00	ug/Kg	12/02/25 10:53	VY120225
75-25-2	Bromoform	21.6		1	0.86	5.00	ug/Kg	12/02/25 10:53	VY120225

Raw Data: **VY023851.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1202SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1202SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.4		1	0.78	5.00	ug/Kg	12/02/25 10:53	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1	1.20	5.00	ug/Kg	12/02/25 10:53	VY120225
541-73-1	1,3-Dichlorobenzene	21.0		1	1.70	5.00	ug/Kg	12/02/25 10:53	VY120225
106-46-7	1,4-Dichlorobenzene	21.1		1	1.60	5.00	ug/Kg	12/02/25 10:53	VY120225
95-50-1	1,2-Dichlorobenzene	21.5		1	1.50	5.00	ug/Kg	12/02/25 10:53	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1	1.80	5.00	ug/Kg	12/02/25 10:53	VY120225
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	12/02/25 10:53	VY120225
87-61-6	1,2,3-Trichlorobenzene	20.1		1	3.20	5.00	ug/Kg	12/02/25 10:53	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.9			63 - 155	96%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.9			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			52 - 138	94%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	491000							
540-36-3	1,4-Difluorobenzene	764000							
3114-55-4	Chlorobenzene-d5	662000							
3855-82-1	1,4-Dichlorobenzene-d4	340000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023851.D
Acq On : 02 Dec 2025 10:53
Operator : SY/MD
Sample : VY1202SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 01:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	491473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	764018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	662350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	339534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	229109	47.869	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.740%			
35) Dibromofluoromethane	7.640	113	219750	48.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.100%			
50) Toluene-d8	10.109	98	861612	47.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.860%			
62) 4-Bromofluorobenzene	12.408	95	278377	47.062	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	80289	21.677	ug/l	99
3) Chloromethane	2.074	50	104219	18.392	ug/l	96
4) Vinyl Chloride	2.214	62	117983	19.248	ug/l	98
5) Bromomethane	2.598	94	87932	20.335	ug/l	100
6) Chloroethane	2.745	64	80298	20.101	ug/l	100
7) Trichlorofluoromethane	3.068	101	176807	21.335	ug/l	98
8) Diethyl Ether	3.464	74	53616	20.541	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	110161	22.776	ug/l	97
10) Methyl Iodide	4.019	142	93739	17.686	ug/l	99
11) Tert butyl alcohol	4.878	59	40648	103.407	ug/l	98
12) 1,1-Dichloroethene	3.799	96	97387	20.466	ug/l	96
13) Acrolein	3.665	56	42343	74.932	ug/l	97
14) Allyl chloride	4.397	41	159030	21.096	ug/l	97
15) Acrylonitrile	5.073	53	122984	109.169	ug/l	100
16) Acetone	3.879	43	177462	128.691	ug/l	95
17) Carbon Disulfide	4.116	76	267510	17.420	ug/l	98
18) Methyl Acetate	4.391	43	51638	19.390	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	253496	20.846	ug/l	98
20) Methylene Chloride	4.628	84	113349	19.443	ug/l	91
21) trans-1,2-Dichloroethene	5.122	96	105063	19.942	ug/l	95
22) Diisopropyl ether	6.031	45	359271	22.041	ug/l	98
23) Vinyl Acetate	5.970	43	1000679	110.400	ug/l	100
24) 1,1-Dichloroethane	5.927	63	203723	21.246	ug/l	98
25) 2-Butanone	6.902	43	207338	123.204	ug/l	98
26) 2,2-Dichloropropane	6.890	77	182586	21.482	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	127302	20.807	ug/l	100
28) Bromochloromethane	7.256	49	75283	18.874	ug/l	100
29) Tetrahydrofuran	7.274	42	100602	107.180	ug/l	97
30) Chloroform	7.427	83	207629	21.534	ug/l	99
31) Cyclohexane	7.707	56	186947	20.317	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	184291	21.533	ug/l	98
36) 1,1-Dichloropropene	7.841	75	147335	21.232	ug/l	99
37) Ethyl Acetate	6.994	43	72426	22.189	ug/l	99
38) Carbon Tetrachloride	7.823	117	165772	21.763	ug/l	97
39) Methylcyclohexane	9.115	83	188264	20.542	ug/l	97
40) Benzene	8.085	78	460426	21.560	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023851.D
Acq On : 02 Dec 2025 10:53
Operator : SY/MD
Sample : VY1202SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 01:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	37463	22.989	ug/l		96
42) 1,2-Dichloroethane	8.164	62	120116	21.818	ug/l		99
43) Isopropyl Acetate	8.207	43	134089	21.982	ug/l	#	86
44) Trichloroethene	8.872	130	118233	21.578	ug/l		95
45) 1,2-Dichloropropane	9.146	63	110259	21.899	ug/l		95
46) Dibromomethane	9.237	93	59571	21.804	ug/l		99
47) Bromodichloromethane	9.426	83	156370	21.900	ug/l		97
48) Methyl methacrylate	9.225	41	61974	21.579	ug/l		98
49) 1,4-Dioxane	9.243	88	13204	431.231	ug/l		92
51) 4-Methyl-2-Pentanone	10.005	43	364810	113.608	ug/l		96
52) Toluene	10.176	92	285889	21.595	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	136696	20.900	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	167599	21.407	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	80847	22.091	ug/l		96
56) Ethyl methacrylate	10.444	69	100425	20.898	ug/l		98
57) 1,3-Dichloropropane	10.719	76	140674	22.034	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	228950	99.175	ug/l		100
59) 2-Hexanone	10.768	43	288131	121.341	ug/l		97
60) Dibromochloromethane	10.914	129	107128	21.813	ug/l		100
61) 1,2-Dibromoethane	11.018	107	72217	21.258	ug/l		99
64) Tetrachloroethene	10.652	164	138582	22.055	ug/l		98
65) Chlorobenzene	11.444	112	310203	21.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	107508	21.766	ug/l		99
67) Ethyl Benzene	11.524	91	532535	21.444	ug/l		99
68) m/p-Xylenes	11.633	106	415378	43.406	ug/l		99
69) o-Xylene	11.956	106	189968	21.175	ug/l		99
70) Styrene	11.975	104	315843	21.371	ug/l		99
71) Bromoform	12.133	173	62102	21.555	ug/l	#	99
73) Isopropylbenzene	12.255	105	514860	21.366	ug/l		100
74) N-amyl acetate	12.072	43	110681	20.559	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85367	21.517	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	73318m	24.831	ug/l		
77) Bromobenzene	12.536	156	118620	20.928	ug/l		99
78) n-propylbenzene	12.596	91	625892	21.573	ug/l		100
79) 2-Chlorotoluene	12.682	91	355607	21.297	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	416339	21.164	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29206	20.908	ug/l		94
82) 4-Chlorotoluene	12.779	91	358487	20.905	ug/l		99
83) tert-Butylbenzene	12.999	119	379674	21.484	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	414737	21.096	ug/l		99
85) sec-Butylbenzene	13.176	105	567484	21.754	ug/l		100
86) p-Isopropyltoluene	13.291	119	471817	21.638	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	238758	21.018	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	239031	21.081	ug/l		99
89) n-Butylbenzene	13.621	91	426112	21.313	ug/l		99
90) Hexachloroethane	13.883	117	97537	21.291	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	213541	21.497	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13310	20.043	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	118087	19.938	ug/l		99
94) Hexachlorobutadiene	15.029	225	77778	21.087	ug/l		99
95) Naphthalene	15.145	128	184390	18.460	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	101635	20.149	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023851.D
Acq On : 02 Dec 2025 10:53
Operator : SY/MD
Sample : VY1202SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 01:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

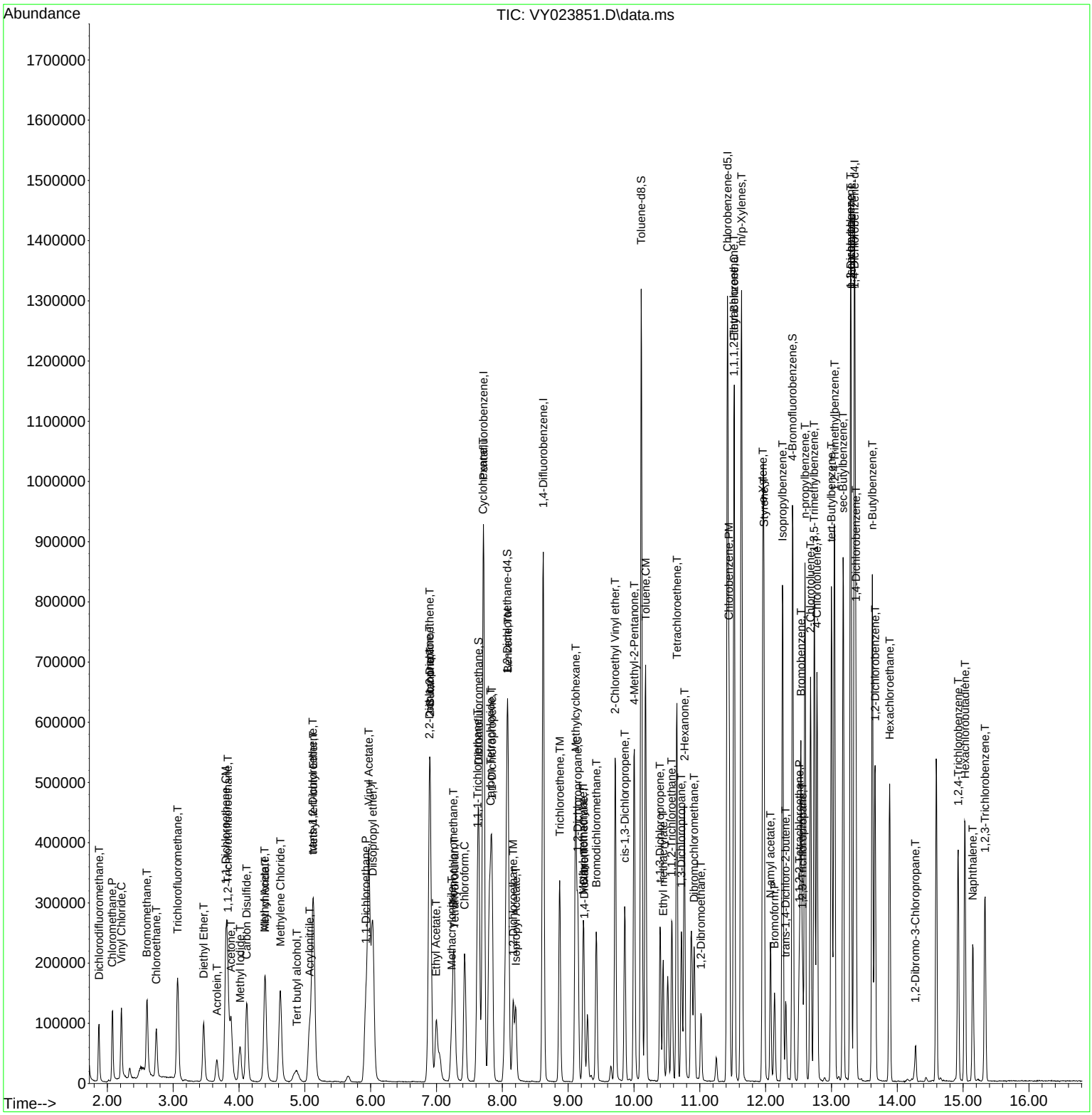
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023851.D
Acq On : 02 Dec 2025 10:53
Operator : SY/MD
Sample : VY1202SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 01:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



Raw Data: **VY023879.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1204SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1204SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.5		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
74-87-3	Chloromethane	18.6		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
75-01-4	Vinyl Chloride	18.7		1	0.79	5.00	ug/Kg	12/04/25 09:04	VY120425
74-83-9	Bromomethane	20.1		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
75-00-3	Chloroethane	19.5		1	1.30	5.00	ug/Kg	12/04/25 09:04	VY120425
75-69-4	Trichlorofluoromethane	19.8		1	1.20	5.00	ug/Kg	12/04/25 09:04	VY120425
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
75-35-4	1,1-Dichloroethene	19.5		1	1.00	5.00	ug/Kg	12/04/25 09:04	VY120425
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	12/04/25 09:04	VY120425
75-15-0	Carbon Disulfide	17.5		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
1634-04-4	Methyl tert-butyl Ether	20.4		1	0.73	5.00	ug/Kg	12/04/25 09:04	VY120425
79-20-9	Methyl Acetate	21.1		1	1.50	5.00	ug/Kg	12/04/25 09:04	VY120425
75-09-2	Methylene Chloride	18.5		1	3.50	10.0	ug/Kg	12/04/25 09:04	VY120425
156-60-5	trans-1,2-Dichloroethene	19.4		1	0.86	5.00	ug/Kg	12/04/25 09:04	VY120425
75-34-3	1,1-Dichloroethane	20.0		1	0.80	5.00	ug/Kg	12/04/25 09:04	VY120425
110-82-7	Cyclohexane	18.4		1	0.79	5.00	ug/Kg	12/04/25 09:04	VY120425
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	12/04/25 09:04	VY120425
56-23-5	Carbon Tetrachloride	20.2		1	0.97	5.00	ug/Kg	12/04/25 09:04	VY120425
156-59-2	cis-1,2-Dichloroethene	20.2		1	0.75	5.00	ug/Kg	12/04/25 09:04	VY120425
74-97-5	Bromochloromethane	19.0		1	1.20	5.00	ug/Kg	12/04/25 09:04	VY120425
67-66-3	Chloroform	20.1		1	0.84	5.00	ug/Kg	12/04/25 09:04	VY120425
71-55-6	1,1,1-Trichloroethane	20.0		1	0.93	5.00	ug/Kg	12/04/25 09:04	VY120425
108-87-2	Methylcyclohexane	18.3		1	0.91	5.00	ug/Kg	12/04/25 09:04	VY120425
71-43-2	Benzene	19.8		1	0.79	5.00	ug/Kg	12/04/25 09:04	VY120425
107-06-2	1,2-Dichloroethane	20.4		1	0.79	5.00	ug/Kg	12/04/25 09:04	VY120425
79-01-6	Trichloroethene	20.4		1	0.81	5.00	ug/Kg	12/04/25 09:04	VY120425
78-87-5	1,2-Dichloropropane	20.5		1	0.91	5.00	ug/Kg	12/04/25 09:04	VY120425
75-27-4	Bromodichloromethane	20.3		1	0.78	5.00	ug/Kg	12/04/25 09:04	VY120425
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	12/04/25 09:04	VY120425
108-88-3	Toluene	20.0		1	0.78	5.00	ug/Kg	12/04/25 09:04	VY120425
10061-02-6	t-1,3-Dichloropropene	19.5		1	0.65	5.00	ug/Kg	12/04/25 09:04	VY120425
10061-01-5	cis-1,3-Dichloropropene	20.1		1	0.62	5.00	ug/Kg	12/04/25 09:04	VY120425
79-00-5	1,1,2-Trichloroethane	20.3		1	0.92	5.00	ug/Kg	12/04/25 09:04	VY120425
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	12/04/25 09:04	VY120425
124-48-1	Dibromochloromethane	20.3		1	0.87	5.00	ug/Kg	12/04/25 09:04	VY120425
106-93-4	1,2-Dibromoethane	19.8		1	0.88	5.00	ug/Kg	12/04/25 09:04	VY120425
127-18-4	Tetrachloroethene	20.8		1	1.10	5.00	ug/Kg	12/04/25 09:04	VY120425
108-90-7	Chlorobenzene	20.4		1	0.91	5.00	ug/Kg	12/04/25 09:04	VY120425
100-41-4	Ethyl Benzene	19.9		1	0.67	5.00	ug/Kg	12/04/25 09:04	VY120425
179601-23-1	m/p-Xylenes	40.4		1	1.20	10.0	ug/Kg	12/04/25 09:04	VY120425
95-47-6	o-Xylene	20.0		1	0.82	5.00	ug/Kg	12/04/25 09:04	VY120425
100-42-5	Styrene	20.0		1	0.71	5.00	ug/Kg	12/04/25 09:04	VY120425
75-25-2	Bromoform	20.7		1	0.86	5.00	ug/Kg	12/04/25 09:04	VY120425

Raw Data: **VY023879.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1204SBS01			SDG No.:	Q3742
Lab Sample ID:	VY1204SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.6		1	0.78	5.00	ug/Kg	12/04/25 09:04	VY120425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	5.00	ug/Kg	12/04/25 09:04	VY120425
541-73-1	1,3-Dichlorobenzene	19.4		1	1.70	5.00	ug/Kg	12/04/25 09:04	VY120425
106-46-7	1,4-Dichlorobenzene	19.9		1	1.60	5.00	ug/Kg	12/04/25 09:04	VY120425
95-50-1	1,2-Dichlorobenzene	19.6		1	1.50	5.00	ug/Kg	12/04/25 09:04	VY120425
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1	1.80	5.00	ug/Kg	12/04/25 09:04	VY120425
120-82-1	1,2,4-Trichlorobenzene	18.7		1	3.00	5.00	ug/Kg	12/04/25 09:04	VY120425
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	5.00	ug/Kg	12/04/25 09:04	VY120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.8			63 - 155	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.2			70 - 134	98%	SPK: 50		
2037-26-5	Toluene-d8	48.9			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.3			52 - 138	93%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	495000							
540-36-3	1,4-Difluorobenzene	763000							
3114-55-4	Chlorobenzene-d5	650000							
3855-82-1	1,4-Dichlorobenzene-d4	340000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023879.D
Acq On : 04 Dec 2025 09:04
Operator : SY/MD
Sample : VY1204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:41:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2025
Supervised By :Mahesh Dadoda 12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	494998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	762810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	650156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	339898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	241797	48.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.660%			
35) Dibromofluoromethane	7.640	113	240840	49.227	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%			
50) Toluene-d8	10.109	98	930197	48.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.408	95	300344	46.252	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	73163	19.541	ug/l	98
3) Chloromethane	2.074	50	99439	18.619	ug/l	94
4) Vinyl Chloride	2.214	62	114041	18.719	ug/l	99
5) Bromomethane	2.598	94	88493	20.118	ug/l	100
6) Chloroethane	2.745	64	80539	19.499	ug/l	96
7) Trichlorofluoromethane	3.068	101	168684	19.803	ug/l	98
8) Diethyl Ether	3.458	74	50973	19.974	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	102210	20.027	ug/l	97
10) Methyl Iodide	4.013	142	90018	17.570	ug/l	98
11) Tert butyl alcohol	4.878	59	37924m	98.974	ug/l	
12) 1,1-Dichloroethene	3.805	96	92891	19.480	ug/l	94
13) Acrolein	3.659	56	43302	140.073	ug/l	99
14) Allyl chloride	4.397	41	149606	19.623	ug/l	98
15) Acrylonitrile	5.074	53	114340	102.945	ug/l	99
16) Acetone	3.879	43	171493	115.576	ug/l	99
17) Carbon Disulfide	4.116	76	247128	17.540	ug/l	100
18) Methyl Acetate	4.397	43	53033	21.071	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	243870	20.359	ug/l	95
20) Methylene Chloride	4.629	84	105233	18.513	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	102275	19.439	ug/l	94
22) Diisopropyl ether	6.025	45	343295	20.450	ug/l	96
23) Vinyl Acetate	5.970	43	923319	99.225	ug/l	100
24) 1,1-Dichloroethane	5.927	63	194013	20.003	ug/l	98
25) 2-Butanone	6.902	43	193445	108.146	ug/l	97
26) 2,2-Dichloropropane	6.896	77	173438	19.510	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	123418	20.202	ug/l	99
28) Bromochloromethane	7.256	49	70427	19.003	ug/l	97
29) Tetrahydrofuran	7.274	42	93171	100.717	ug/l	99
30) Chloroform	7.427	83	196617	20.061	ug/l	97
31) Cyclohexane	7.707	56	170487	18.384	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	177055	20.012	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139487	19.335	ug/l	99
37) Ethyl Acetate	6.994	43	69541	20.875	ug/l	99
38) Carbon Tetrachloride	7.823	117	160633	20.175	ug/l	98
39) Methylcyclohexane	9.116	83	172300	18.348	ug/l	96
40) Benzene	8.085	78	431782	19.802	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023879.D
Acq On : 04 Dec 2025 09:04
Operator : SY/MD
Sample : VY1204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:41:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2025
Supervised By :Mahesh Dadoda 12/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	35426	20.630	ug/l	#	90
42) 1,2-Dichloroethane	8.164	62	116006	20.387	ug/l		99
43) Isopropyl Acetate	8.201	43	123634	19.836	ug/l	#	84
44) Trichloroethene	8.866	130	114718	20.446	ug/l		97
45) 1,2-Dichloropropane	9.146	63	105650	20.463	ug/l		94
46) Dibromomethane	9.237	93	55850	19.981	ug/l		98
47) Bromodichloromethane	9.426	83	149507	20.274	ug/l		100
48) Methyl methacrylate	9.225	41	58278	20.014	ug/l		96
49) 1,4-Dioxane	9.237	88	12694	408.429	ug/l		89
51) 4-Methyl-2-Pentanone	9.999	43	341141	104.088	ug/l		99
52) Toluene	10.170	92	273723	20.045	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	129463	19.451	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	157247	20.063	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	76634	20.310	ug/l		98
56) Ethyl methacrylate	10.445	69	92757	19.592	ug/l		98
57) 1,3-Dichloropropane	10.719	76	130592	20.094	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	222994	102.333	ug/l		100
59) 2-Hexanone	10.762	43	270736	109.528	ug/l		99
60) Dibromochloromethane	10.914	129	102850	20.328	ug/l		99
61) 1,2-Dibromoethane	11.018	107	68237	19.844	ug/l		99
64) Tetrachloroethene	10.652	164	132185	20.776	ug/l		100
65) Chlorobenzene	11.444	112	302724	20.400	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	103615	20.465	ug/l		99
67) Ethyl Benzene	11.524	91	509694	19.868	ug/l		100
68) m/p-Xylenes	11.633	106	395834	40.368	ug/l		100
69) o-Xylene	11.956	106	183484	20.006	ug/l		100
70) Styrene	11.969	104	301975	19.974	ug/l		100
71) Bromoform	12.133	173	59172	20.684	ug/l	#	99
73) Isopropylbenzene	12.255	105	491743	19.636	ug/l		99
74) N-amyl acetate	12.072	43	99167	18.272	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	82087	20.316	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	69311m	20.569	ug/l		
77) Bromobenzene	12.536	156	114849	19.747	ug/l		100
78) n-propylbenzene	12.597	91	594491	19.673	ug/l		100
79) 2-Chlorotoluene	12.682	91	334915	19.515	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	399888	19.652	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	27694	19.684	ug/l		97
82) 4-Chlorotoluene	12.779	91	350508	19.700	ug/l		99
83) tert-Butylbenzene	12.999	119	354542	19.327	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	398588	19.773	ug/l		98
85) sec-Butylbenzene	13.176	105	536063	19.645	ug/l		99
86) p-Isopropyltoluene	13.292	119	446149	19.746	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	227498	19.415	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	228829	19.914	ug/l		99
89) n-Butylbenzene	13.621	91	401392	19.194	ug/l		99
90) Hexachloroethane	13.883	117	92741	19.566	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	200068	19.631	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12554	19.761	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	113247	18.742	ug/l		99
94) Hexachlorobutadiene	15.023	225	74221	19.578	ug/l		99
95) Naphthalene	15.145	128	179684	18.044	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	97141	18.839	ug/l		99

Sample Results: **VY023879.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023879.D
Acq On : 04 Dec 2025 09:04
Operator : SY/MD
Sample : VY1204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:41:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2025
Supervised By :Mahesh Dadoda 12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

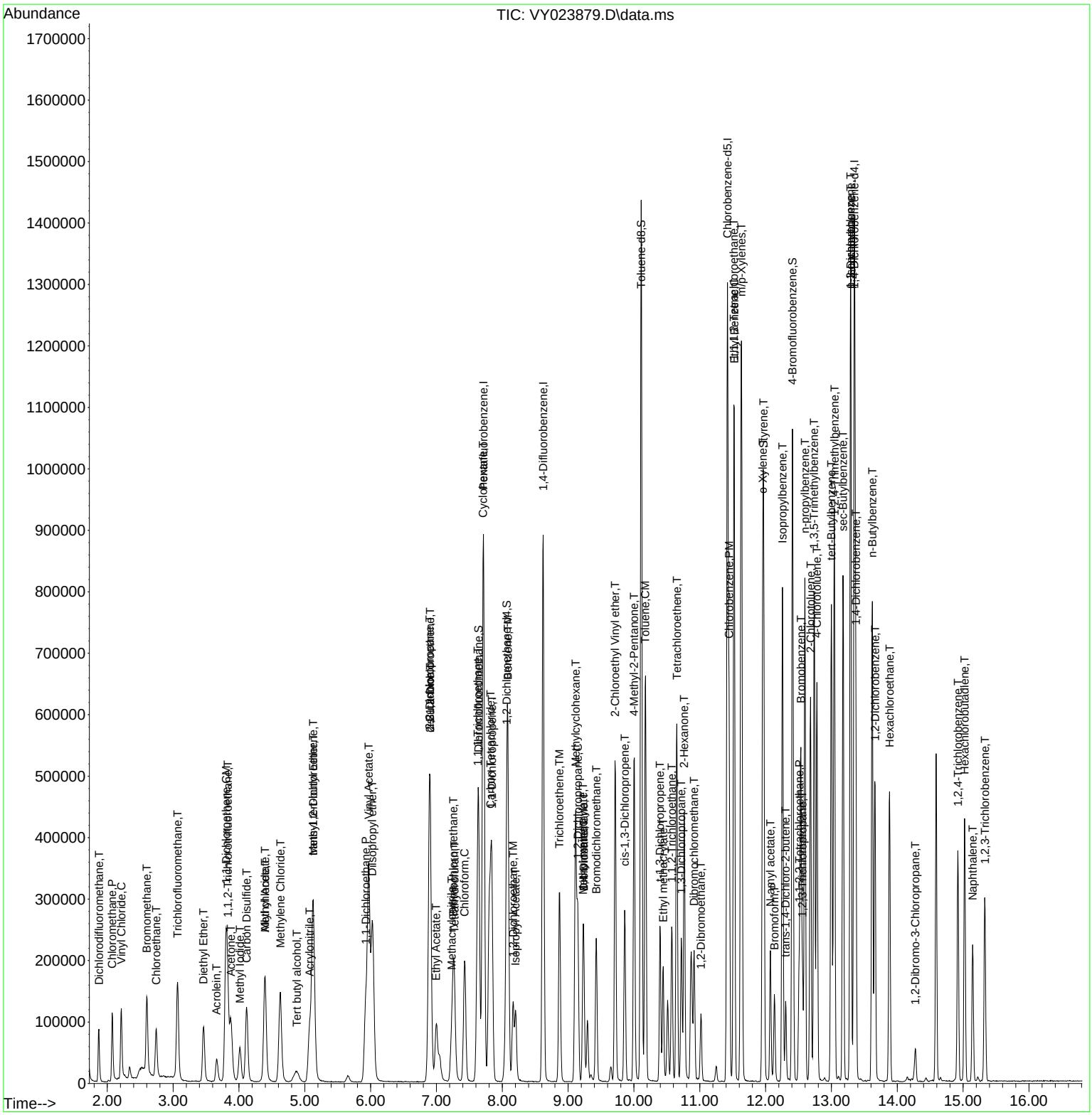
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023879.D
Acq On : 04 Dec 2025 09:04
Operator : SY/MD
Sample : VY1204SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 01:41:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2025
Supervised By :Mahesh Dadoda 12/08/2025



Raw Data: **VY023832.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBSD01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.3		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
74-87-3	Chloromethane	18.7		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
75-01-4	Vinyl Chloride	19.8		1	0.79	5.00	ug/Kg	12/01/25 10:00	VY120125
74-83-9	Bromomethane	19.4		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
75-00-3	Chloroethane	20.2		1	1.30	5.00	ug/Kg	12/01/25 10:00	VY120125
75-69-4	Trichlorofluoromethane	21.9		1	1.20	5.00	ug/Kg	12/01/25 10:00	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	23.1		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
75-35-4	1,1-Dichloroethene	21.4		1	1.00	5.00	ug/Kg	12/01/25 10:00	VY120125
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	12/01/25 10:00	VY120125
75-15-0	Carbon Disulfide	18.0		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
1634-04-4	Methyl tert-butyl Ether	21.8		1	0.73	5.00	ug/Kg	12/01/25 10:00	VY120125
79-20-9	Methyl Acetate	20.3		1	1.50	5.00	ug/Kg	12/01/25 10:00	VY120125
75-09-2	Methylene Chloride	19.2		1	3.50	10.0	ug/Kg	12/01/25 10:00	VY120125
156-60-5	trans-1,2-Dichloroethene	21.3		1	0.86	5.00	ug/Kg	12/01/25 10:00	VY120125
75-34-3	1,1-Dichloroethane	22.0		1	0.80	5.00	ug/Kg	12/01/25 10:00	VY120125
110-82-7	Cyclohexane	21.3		1	0.79	5.00	ug/Kg	12/01/25 10:00	VY120125
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	12/01/25 10:00	VY120125
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	12/01/25 10:00	VY120125
156-59-2	cis-1,2-Dichloroethene	21.5		1	0.75	5.00	ug/Kg	12/01/25 10:00	VY120125
74-97-5	Bromochloromethane	19.5		1	1.20	5.00	ug/Kg	12/01/25 10:00	VY120125
67-66-3	Chloroform	22.1		1	0.84	5.00	ug/Kg	12/01/25 10:00	VY120125
71-55-6	1,1,1-Trichloroethane	22.5		1	0.93	5.00	ug/Kg	12/01/25 10:00	VY120125
108-87-2	Methylcyclohexane	21.8		1	0.91	5.00	ug/Kg	12/01/25 10:00	VY120125
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	12/01/25 10:00	VY120125
107-06-2	1,2-Dichloroethane	22.5		1	0.79	5.00	ug/Kg	12/01/25 10:00	VY120125
79-01-6	Trichloroethene	22.3		1	0.81	5.00	ug/Kg	12/01/25 10:00	VY120125
78-87-5	1,2-Dichloropropane	22.7		1	0.91	5.00	ug/Kg	12/01/25 10:00	VY120125
75-27-4	Bromodichloromethane	22.4		1	0.78	5.00	ug/Kg	12/01/25 10:00	VY120125
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	12/01/25 10:00	VY120125
108-88-3	Toluene	22.4		1	0.78	5.00	ug/Kg	12/01/25 10:00	VY120125
10061-02-6	t-1,3-Dichloropropene	21.8		1	0.65	5.00	ug/Kg	12/01/25 10:00	VY120125
10061-01-5	cis-1,3-Dichloropropene	21.8		1	0.62	5.00	ug/Kg	12/01/25 10:00	VY120125
79-00-5	1,1,2-Trichloroethane	23.0		1	0.92	5.00	ug/Kg	12/01/25 10:00	VY120125
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	12/01/25 10:00	VY120125
124-48-1	Dibromochloromethane	22.4		1	0.87	5.00	ug/Kg	12/01/25 10:00	VY120125
106-93-4	1,2-Dibromoethane	22.1		1	0.88	5.00	ug/Kg	12/01/25 10:00	VY120125
127-18-4	Tetrachloroethene	23.1		1	1.10	5.00	ug/Kg	12/01/25 10:00	VY120125
108-90-7	Chlorobenzene	22.2		1	0.91	5.00	ug/Kg	12/01/25 10:00	VY120125
100-41-4	Ethyl Benzene	22.6		1	0.67	5.00	ug/Kg	12/01/25 10:00	VY120125
179601-23-1	m/p-Xylenes	45.5		1	1.20	10.0	ug/Kg	12/01/25 10:00	VY120125
95-47-6	o-Xylene	22.3		1	0.82	5.00	ug/Kg	12/01/25 10:00	VY120125
100-42-5	Styrene	22.7		1	0.71	5.00	ug/Kg	12/01/25 10:00	VY120125
75-25-2	Bromoform	22.2		1	0.86	5.00	ug/Kg	12/01/25 10:00	VY120125

Raw Data: **VY023832.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick			Date Collected:	
Project:	Saddler Property			Date Received:	
Client Sample ID:	VY1201SBSD01			SDG No.:	Q3742
Lab Sample ID:	VY1201SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	22.7		1	0.78	5.00	ug/Kg	12/01/25 10:00	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	22.6		1	1.20	5.00	ug/Kg	12/01/25 10:00	VY120125
541-73-1	1,3-Dichlorobenzene	22.3		1	1.70	5.00	ug/Kg	12/01/25 10:00	VY120125
106-46-7	1,4-Dichlorobenzene	21.9		1	1.60	5.00	ug/Kg	12/01/25 10:00	VY120125
95-50-1	1,2-Dichlorobenzene	22.5		1	1.50	5.00	ug/Kg	12/01/25 10:00	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		1	1.80	5.00	ug/Kg	12/01/25 10:00	VY120125
120-82-1	1,2,4-Trichlorobenzene	21.7		1	3.00	5.00	ug/Kg	12/01/25 10:00	VY120125
87-61-6	1,2,3-Trichlorobenzene	22.2		1	3.20	5.00	ug/Kg	12/01/25 10:00	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.0			63 - 155	96%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	50.0			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			52 - 138	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	526000							
540-36-3	1,4-Difluorobenzene	818000							
3114-55-4	Chlorobenzene-d5	696000							
3855-82-1	1,4-Dichlorobenzene-d4	353000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023832.D
Acq On : 01 Dec 2025 10:00
Operator : SY/MD
Sample : VY1201SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:13:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	526036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	818117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	695554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	353062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	245781	47.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.960%			
35) Dibromofluoromethane	7.640	113	244714	50.494	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.109	98	961906	49.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.408	95	306085	48.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	88398	22.298	ug/l	100
3) Chloromethane	2.074	50	113584	18.728	ug/l	98
4) Vinyl Chloride	2.208	62	129763	19.779	ug/l	98
5) Bromomethane	2.598	94	89913	19.427	ug/l	96
6) Chloroethane	2.739	64	86497	20.230	ug/l	98
7) Trichlorofluoromethane	3.062	101	193966	21.867	ug/l	97
8) Diethyl Ether	3.458	74	59159	21.176	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	119754	23.132	ug/l	99
10) Methyl Iodide	4.007	142	114483	20.181	ug/l	100
11) Tert butyl alcohol	4.878	59	38994	92.681	ug/l	98
12) 1,1-Dichloroethene	3.793	96	109088	21.419	ug/l	100
13) Acrolein	3.659	56	52436	86.696	ug/l	99
14) Allyl chloride	4.391	41	173297	21.478	ug/l	100
15) Acrylonitrile	5.067	53	135769	112.600	ug/l	99
16) Acetone	3.872	43	190658	129.176	ug/l	97
17) Carbon Disulfide	4.110	76	296016	18.010	ug/l	99
18) Methyl Acetate	4.397	43	57954	20.332	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	283581	21.788	ug/l	97
20) Methylene Chloride	4.628	84	120089	19.246	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	120293	21.332	ug/l	96
22) Diisopropyl ether	6.031	45	395326	22.660	ug/l	98
23) Vinyl Acetate	5.970	43	1093650	112.730	ug/l	99
24) 1,1-Dichloroethane	5.927	63	225791	22.000	ug/l	97
25) 2-Butanone	6.896	43	220919	122.648	ug/l	99
26) 2,2-Dichloropropane	6.890	77	196626	21.614	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	140774	21.498	ug/l	100
28) Bromochloromethane	7.256	49	83127	19.472	ug/l	99
29) Tetrahydrofuran	7.268	42	110786	110.275	ug/l	99
30) Chloroform	7.427	83	228113	22.104	ug/l	95
31) Cyclohexane	7.707	56	209574	21.279	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	205882	22.475	ug/l	99
36) 1,1-Dichloropropene	7.841	75	167201	22.501	ug/l	99
37) Ethyl Acetate	6.994	43	82518	23.609	ug/l	100
38) Carbon Tetrachloride	7.823	117	181727	22.280	ug/l	97
39) Methylcyclohexane	9.109	83	214053	21.811	ug/l	98
40) Benzene	8.085	78	498139	21.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023832.D
Acq On : 01 Dec 2025 10:00
Operator : SY/MD
Sample : VY1201SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:13:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	38160	21.869	ug/l		95
42) 1,2-Dichloroethane	8.158	62	132848	22.535	ug/l		99
43) Isopropyl Acetate	8.201	43	144201	22.077	ug/l	#	87
44) Trichloroethene	8.866	130	131042	22.335	ug/l		99
45) 1,2-Dichloropropane	9.140	63	122189	22.663	ug/l		98
46) Dibromomethane	9.231	93	65343	22.335	ug/l		99
47) Bromodichloromethane	9.426	83	171533	22.435	ug/l		97
48) Methyl methacrylate	9.225	41	68408	22.244	ug/l		99
49) 1,4-Dioxane	9.237	88	15875	484.179	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	394930	114.855	ug/l		99
52) Toluene	10.170	92	317325	22.385	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152796	21.816	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	183114	21.842	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	90140	23.001	ug/l		96
56) Ethyl methacrylate	10.438	69	112544	21.871	ug/l		98
57) 1,3-Dichloropropane	10.719	76	153060	22.389	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	246607	99.760	ug/l		99
59) 2-Hexanone	10.762	43	309938	121.893	ug/l		99
60) Dibromochloromethane	10.914	129	117865	22.413	ug/l		99
61) 1,2-Dibromoethane	11.018	107	80328	22.082	ug/l		99
64) Tetrachloroethene	10.646	164	152218	23.069	ug/l		99
65) Chlorobenzene	11.444	112	338867	22.195	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	120164	23.167	ug/l		98
67) Ethyl Benzene	11.517	91	590343	22.637	ug/l		99
68) m/p-Xylenes	11.627	106	457077	45.484	ug/l		100
69) o-Xylene	11.956	106	209946	22.284	ug/l		99
70) Styrene	11.969	104	352673	22.724	ug/l		99
71) Bromoform	12.133	173	67224	22.219	ug/l	#	99
73) Isopropylbenzene	12.255	105	569849	22.742	ug/l		100
74) N-amyl acetate	12.072	43	121531	21.709	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	93304	22.617	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	61775m	20.120	ug/l		
77) Bromobenzene	12.536	156	132780	22.529	ug/l		99
78) n-propylbenzene	12.597	91	693288	22.981	ug/l		99
79) 2-Chlorotoluene	12.682	91	390507	22.491	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	469631	22.958	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	32372	22.286	ug/l		97
82) 4-Chlorotoluene	12.779	91	406161	22.777	ug/l		99
83) tert-Butylbenzene	12.999	119	417792	22.735	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	464199	22.707	ug/l		100
85) sec-Butylbenzene	13.176	105	626233	23.086	ug/l		100
86) p-Isopropyltoluene	13.292	119	517504	22.824	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	263200	22.282	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	258566	21.930	ug/l		99
89) n-Butylbenzene	13.615	91	477523	22.969	ug/l		98
90) Hexachloroethane	13.883	117	107367	22.538	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	232245	22.484	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15026	21.760	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	133887	21.739	ug/l		98
94) Hexachlorobutadiene	15.023	225	86872	22.650	ug/l		99
95) Naphthalene	15.145	128	219911	21.173	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	116198	22.153	ug/l		97

Sample Results: **VY023832.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023832.D
Acq On : 01 Dec 2025 10:00
Operator : SY/MD
Sample : VY1201SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:13:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

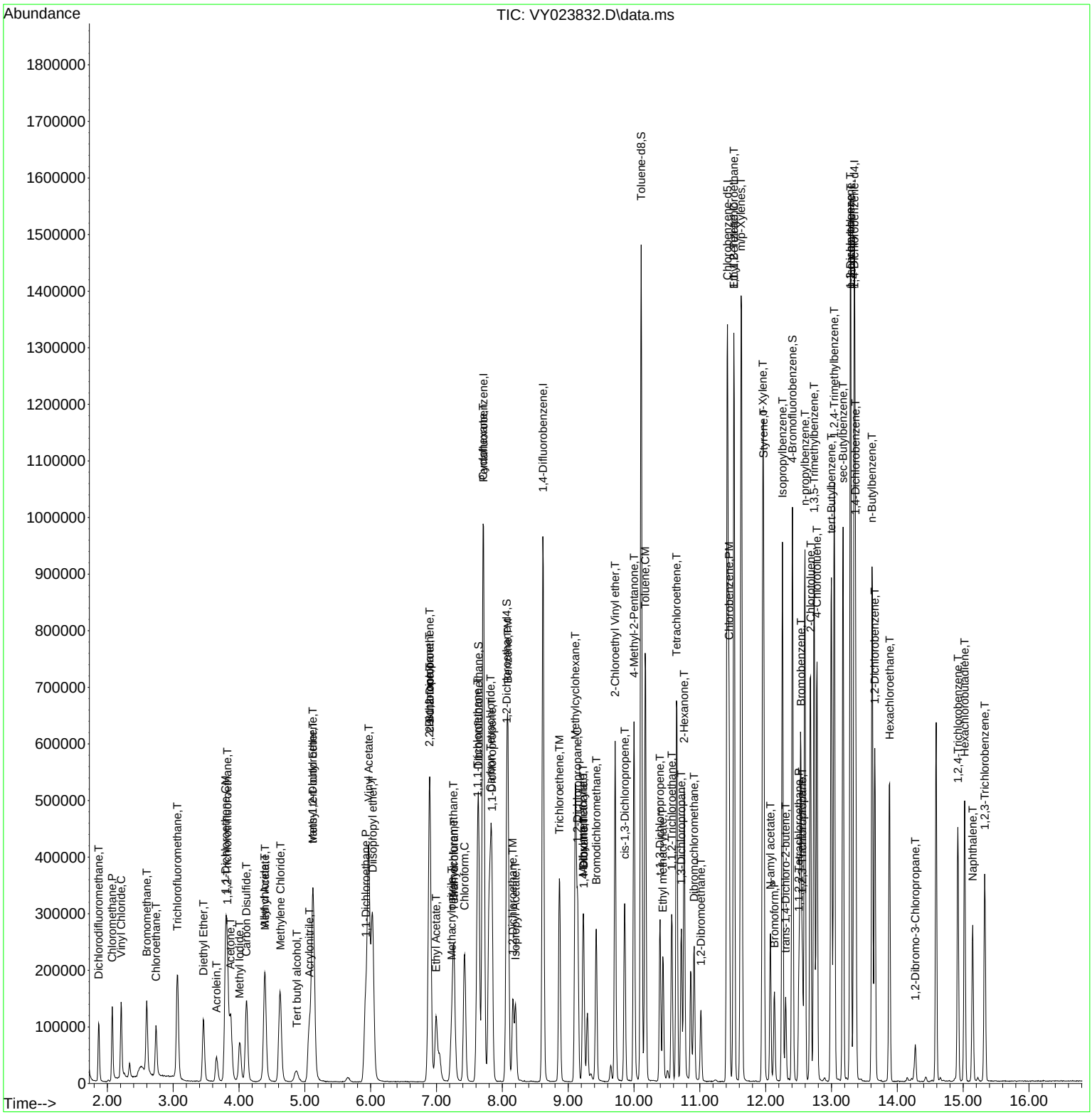
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023832.D
Acq On : 01 Dec 2025 10:00
Operator : SY/MD
Sample : VY1201SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 03:13:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY112625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023809.D	1,2,3-Trichloropropane	sam	12/1/2025 9:09:40 AM	MMDadoda	12/2/2025 8:05:29 AM	Peak Integrated by Software
VSTDICC005	VY023809.D	Methacrylonitrile	sam	12/1/2025 9:09:40 AM	MMDadoda	12/2/2025 8:05:29 AM	Peak Integrated by Software
VSTDICC005	VY023809.D	Tert butyl alcohol	sam	12/1/2025 9:09:40 AM	MMDadoda	12/2/2025 8:05:29 AM	Peak Integrated by Software
VSTDICC010	VY023810.D	1,2,3-Trichloropropane	sam	12/1/2025 9:09:45 AM	MMDadoda	12/2/2025 8:05:32 AM	Peak Integrated by Software
VSTDICC020	VY023811.D	1,2,3-Trichloropropane	sam	12/1/2025 9:44:03 AM	MMDadoda	12/2/2025 8:05:35 AM	Peak Integrated by Software
VSTDICCC050	VY023812.D	1,2,3-Trichloropropane	sam	12/1/2025 9:09:50 AM	MMDadoda	12/2/2025 8:05:40 AM	Peak Integrated by Software
VSTDICC100	VY023813.D	1,2,3-Trichloropropane	sam	12/1/2025 9:46:48 AM	MMDadoda	12/2/2025 8:05:43 AM	Peak Integrated by Software
VSTDICC150	VY023814.D	1,2,3-Trichloropropane	sam	12/1/2025 9:46:53 AM	MMDadoda	12/2/2025 8:05:46 AM	Peak Integrated by Software
VSTDICV050	VY023816.D	1,2,3-Trichloropropane	sam	12/1/2025 9:46:58 AM	MMDadoda	12/2/2025 8:05:50 AM	Peak Integrated by Software
VSTDCCC050	VY023827.D	1,2,3-Trichloropropane	sam	12/1/2025 9:44:22 AM	MMDadoda	12/2/2025 8:06:02 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY120125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023829.D	1,2,3-Trichloropropane	JOHN	12/2/2025 8:59:44 AM	MMDadoda	12/2/2025 10:15:52 AM	Peak Integrated by Software
VY1201SBS01	VY023831.D	1,2,3-Trichloropropane	JOHN	12/2/2025 8:59:49 AM	MMDadoda	12/2/2025 10:15:59 AM	Peak Integrated by Software
VY1201SBSD01	VY023832.D	1,2,3-Trichloropropane	JOHN	12/2/2025 8:59:53 AM	MMDadoda	12/2/2025 10:16:03 AM	Peak Integrated by Software
VSTDCCC050	VY023847.D	1,2,3-Trichloropropane	JOHN	12/2/2025 9:00:02 AM	MMDadoda	12/2/2025 10:16:12 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY120225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023849.D	1,2,3-Trichloropropane	sam	12/3/2025 12:33:58 PM	MMDadoda	12/3/2025 2:29:02 PM	Peak Integrated by Software
VY1202SBS01	VY023851.D	1,2,3-Trichloropropane	sam	12/3/2025 12:34:03 PM	MMDadoda	12/3/2025 2:29:05 PM	Peak Integrated by Software
VSTDCCC050	VY023863.D	1,2,3-Trichloropropane	sam	12/3/2025 12:34:13 PM	MMDadoda	12/3/2025 2:29:12 PM	Peak Integrated by Software
VSTDCCC050	VY023863.D	Methacrylonitrile	sam	12/3/2025 12:34:13 PM	MMDadoda	12/3/2025 2:29:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY120325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY023868.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:27 AM	sam	12/4/2025 2:37:06 PM	Peak Integrated by Software
VSTDICC020	VY023869.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:34 AM	sam	12/4/2025 2:36:57 PM	Peak Integrated by Software
VSTDICCC050	VY023870.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:39 AM	sam	12/4/2025 2:36:50 PM	Peak Integrated by Software
VSTDICCC050	VY023870.D	Methacrylonitrile	JOHN	12/4/2025 8:42:39 AM	sam	12/4/2025 2:36:50 PM	Peak Integrated by Software
VSTDICC100	VY023871.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:43 AM	sam	12/4/2025 2:37:11 PM	Peak Integrated by Software
VSTDICC150	VY023872.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:47 AM	sam	12/4/2025 2:37:15 PM	Peak Integrated by Software
VSTDICC005	VY023874.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:52 AM	sam	12/4/2025 2:36:45 PM	Peak Integrated by Software
VSTDICC005	VY023874.D	Methacrylonitrile	JOHN	12/4/2025 8:42:52 AM	sam	12/4/2025 2:36:45 PM	Peak Integrated by Software
VSTDICV050	VY023875.D	1,2,3-Trichloropropane	JOHN	12/4/2025 8:42:59 AM	sam	12/4/2025 2:36:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY120425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023877.D	1,2,3-Trichloropropane	sam	12/5/2025 2:15:20 PM	MMDadoda	12/8/2025 9:13:00 AM	Peak Integrated by Software
VY1204SBS01	VY023879.D	1,2,3-Trichloropropane	sam	12/5/2025 2:15:24 PM	MMDadoda	12/8/2025 9:13:04 AM	Peak Integrated by Software
VY1204SBS01	VY023879.D	Tert butyl alcohol	sam	12/5/2025 2:15:24 PM	MMDadoda	12/8/2025 9:13:04 AM	Peak Integrated by Software
VSTDCCC050	VY023896.D	1,2,3-Trichloropropane	sam	12/5/2025 2:17:15 PM	MMDadoda	12/8/2025 9:13:11 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:50:11 AM				
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:01 PM				
SubDirectory	VY112625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136432
Initial Calibration Stds	VP136433,VP136434,VP136435,VP136436,VP136437,VP136438
CCC	VP136440
Internal Standard/PEM	VP136146
ICV/I.BLK	VP136439
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023808.D	26 Nov 2025 07:11	SY/MD	Ok
2	VSTDICC005	VY023809.D	26 Nov 2025 08:04	SY/MD	Ok,M
3	VSTDICC010	VY023810.D	26 Nov 2025 08:27	SY/MD	Ok,M
4	VSTDICC020	VY023811.D	26 Nov 2025 08:49	SY/MD	Ok,M
5	VSTDICCC050	VY023812.D	26 Nov 2025 09:17	SY/MD	Ok,M
6	VSTDICC100	VY023813.D	26 Nov 2025 09:39	SY/MD	Ok,M
7	VSTDICC150	VY023814.D	26 Nov 2025 10:02	SY/MD	Ok,M
8	VIBLK	VY023815.D	26 Nov 2025 10:27	SY/MD	Ok
9	VSTDICV050	VY023816.D	26 Nov 2025 10:50	SY/MD	Ok,M
10	VY1126SBL01	VY023817.D	26 Nov 2025 11:13	SY/MD	Ok
11	VY1126SBS01	VY023818.D	26 Nov 2025 11:47	SY/MD	Ok,M
12	VY1126SBSD01	VY023819.D	26 Nov 2025 12:09	SY/MD	Ok,M
13	Q3604-04	VY023820.D	26 Nov 2025 12:34	SY/MD	Not Ok
14	Q3604-05	VY023821.D	26 Nov 2025 12:57	SY/MD	Not Ok
15	VIBLK	VY023822.D	26 Nov 2025 13:21	SY/MD	Ok
16	Q3721-01	VY023823.D	26 Nov 2025 13:44	SY/MD	Ok
17	Q3723-01	VY023824.D	26 Nov 2025 14:08	SY/MD	Ok
18	Q3725-04	VY023825.D	26 Nov 2025 14:31	SY/MD	Ok
19	VIBLK	VY023826.D	26 Nov 2025 14:54	SY/MD	Ok
20	VSTDCCC050	VY023827.D	26 Nov 2025 15:17	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120125

Review By	John Carlone	Review On	12/2/2025 9:00:18 AM				
Supervise By	Mahesh Dadoda	Supervise On	12/2/2025 10:16:40 AM				
SubDirectory	VY120125	HP Acquire Method	MSVOA_Y		HP Processing Method	82y112625s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136454
Initial Calibration Stds	
CCC	VP136455,VP136456
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023828.D	01 Dec 2025 07:24	SY/MD	Ok
2	VSTDCCC050	VY023829.D	01 Dec 2025 07:55	SY/MD	Ok,M
3	VY1201SBL01	VY023830.D	01 Dec 2025 09:13	SY/MD	Ok
4	VY1201SBS01	VY023831.D	01 Dec 2025 09:37	SY/MD	Ok,M
5	VY1201SBSD01	VY023832.D	01 Dec 2025 10:00	SY/MD	Ok,M
6	Q3719-09RE	VY023833.D	01 Dec 2025 10:38	SY/MD	Confirms
7	Q3719-13	VY023834.D	01 Dec 2025 11:25	SY/MD	Ok
8	Q3735-01	VY023835.D	01 Dec 2025 12:02	SY/MD	ReRun
9	Q3740-01	VY023836.D	01 Dec 2025 12:26	SY/MD	Ok
10	Q3741-02	VY023837.D	01 Dec 2025 12:49	SY/MD	Ok
11	Q3741-03	VY023838.D	01 Dec 2025 13:12	SY/MD	Ok
12	Q3741-04	VY023839.D	01 Dec 2025 13:36	SY/MD	ReRun
13	Q3741-05	VY023840.D	01 Dec 2025 13:59	SY/MD	ReRun
14	Q3741-01	VY023841.D	01 Dec 2025 14:23	SY/MD	Ok
15	Q3741-06	VY023842.D	01 Dec 2025 14:46	SY/MD	ReRun
16	Q3742-01	VY023843.D	01 Dec 2025 15:10	SY/MD	Ok
17	Q3742-02	VY023844.D	01 Dec 2025 15:33	SY/MD	Ok
18	Q3742-03	VY023845.D	01 Dec 2025 15:57	SY/MD	Ok
19	Q3742-04	VY023846.D	01 Dec 2025 16:20	SY/MD	Ok
20	VSTDCCC050	VY023847.D	01 Dec 2025 17:47	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120225

Review By	Semsettin Yesilyurt	Review On	12/3/2025 12:40:53 PM				
Supervise By	Mahesh Dadoda	Supervise On	12/3/2025 2:29:19 PM				
SubDirectory	VY120225	HP Acquire Method	MSVOA_Y		HP Processing Method	82y112625s.m	

STD. NAME	STD REF.#
Tune/Reschk	AP136460
Initial Calibration Stds	
CCC	VP136461,VP136462
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023848.D	02 Dec 2025 06:50	SY/MD	Ok
2	VSTDCCC050	VY023849.D	02 Dec 2025 09:14	SY/MD	Ok,M
3	VY1202SBL01	VY023850.D	02 Dec 2025 10:24	SY/MD	Ok
4	VY1202SBS01	VY023851.D	02 Dec 2025 10:53	SY/MD	Ok,M
5	VY1202SBSD01	VY023852.D	02 Dec 2025 11:16	SY/MD	Ok,M
6	Q3742-05	VY023853.D	02 Dec 2025 12:08	SY/MD	Ok
7	Q3735-01	VY023854.D	02 Dec 2025 12:31	SY/MD	Ok
8	Q3741-04RE	VY023855.D	02 Dec 2025 12:55	SY/MD	Confirms
9	Q3741-05RE	VY023856.D	02 Dec 2025 13:18	SY/MD	Confirms
10	Q3741-06RE	VY023857.D	02 Dec 2025 13:42	SY/MD	Confirms
11	Q3746-01	VY023858.D	02 Dec 2025 14:05	SY/MD	Ok
12	Q3742-06	VY023859.D	02 Dec 2025 14:29	SY/MD	Ok
13	VIBLK	VY023860.D	02 Dec 2025 15:33	SY/MD	Ok
14	Q3742-08	VY023861.D	02 Dec 2025 15:57	SY/MD	Ok
15	Q3742-09	VY023862.D	02 Dec 2025 16:20	SY/MD	ReRun
16	VSTDCCC050	VY023863.D	02 Dec 2025 17:20	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120325

Review By	John Carlone	Review On	12/4/2025 8:43:11 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:37:23 PM				
SubDirectory	VY120325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y120325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136489
Initial Calibration Stds	VP136490,VP136491,VP136492,VP136493,VP136494,VP136495
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136496
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023864.D	03 Dec 2025 07:40	SY/MD	Ok
2	VSTDCCC050	VY023865.D	03 Dec 2025 08:11	SY/MD	Not Ok
3	VIBLK	VY023866.D	03 Dec 2025 13:19	SY/MD	Ok
4	VSTDICC005	VY023867.D	03 Dec 2025 13:42	SY/MD	Not Ok
5	VSTDICC010	VY023868.D	03 Dec 2025 14:05	SY/MD	Ok,M
6	VSTDICC020	VY023869.D	03 Dec 2025 14:27	SY/MD	Ok,M
7	VSTDICCC050	VY023870.D	03 Dec 2025 14:50	SY/MD	Ok,M
8	VSTDICC100	VY023871.D	03 Dec 2025 15:12	SY/MD	Ok,M
9	VSTDICC150	VY023872.D	03 Dec 2025 15:35	SY/MD	Ok,M
10	VIBLK	VY023873.D	03 Dec 2025 16:00	SY/MD	Ok
11	VSTDICC005	VY023874.D	03 Dec 2025 16:23	SY/MD	Ok,M
12	VSTDICV050	VY023875.D	03 Dec 2025 17:08	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120425

Review By	John Carlone	Review On	12/5/2025 11:05:32 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:15:05 PM				
SubDirectory	VY120425	HP Acquire Method	MSVOA_Y		HP Processing Method	82y120325s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136508
Initial Calibration Stds	
CCC	VP136509,VP136510
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023876.D	04 Dec 2025 07:00	SY/MD	Ok
2	VSTDCCC050	VY023877.D	04 Dec 2025 07:31	SY/MD	Ok,M
3	VY1204SBL01	VY023878.D	04 Dec 2025 08:40	SY/MD	Ok
4	VY1204SBS01	VY023879.D	04 Dec 2025 09:04	SY/MD	Ok,M
5	VY1204SBSD01	VY023880.D	04 Dec 2025 09:27	SY/MD	Ok,M
6	Q3750-03	VY023881.D	04 Dec 2025 09:52	SY/MD	Ok
7	Q3750-06	VY023882.D	04 Dec 2025 10:15	SY/MD	ReRun
8	Q3767-01	VY023883.D	04 Dec 2025 10:39	SY/MD	Ok
9	Q3768-01	VY023884.D	04 Dec 2025 11:02	SY/MD	Ok
10	VIBLK	VY023885.D	04 Dec 2025 11:25	SY/MD	Ok
11	VIBLK	VY023886.D	04 Dec 2025 11:58	SY/MD	Ok
12	Q3750-06RE	VY023887.D	04 Dec 2025 12:22	SY/MD	Confirms
13	Q3742-16	VY023888.D	04 Dec 2025 12:45	SY/MD	Ok
14	Q3742-17	VY023889.D	04 Dec 2025 13:09	SY/MD	Ok
15	Q3742-18	VY023890.D	04 Dec 2025 13:32	SY/MD	Ok
16	Q3753-02	VY023891.D	04 Dec 2025 13:56	SY/MD	Ok
17	Q3753-04	VY023892.D	04 Dec 2025 14:19	SY/MD	Ok
18	Q3742-09	VY023893.D	04 Dec 2025 14:43	SY/MD	Ok
19	Q3742-07	VY023894.D	04 Dec 2025 15:06	SY/MD	Ok
20	Q3742-10	VY023895.D	04 Dec 2025 15:29	SY/MD	Ok
21	VSTDCCC050	VY023896.D	04 Dec 2025 15:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:50:11 AM		
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:01 PM		
SubDirectory	VY112625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136432
Initial Calibration Stds	VP136433,VP136434,VP136435,VP136436,VP136437,VP136438
CCC	VP136440
Internal Standard/PEM	VP136146
ICV/I.BLK	VP136439
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023808.D	26 Nov 2025 07:11		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023809.D	26 Nov 2025 08:04		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023810.D	26 Nov 2025 08:27		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023811.D	26 Nov 2025 08:49		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023812.D	26 Nov 2025 09:17		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023813.D	26 Nov 2025 09:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023814.D	26 Nov 2025 10:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023815.D	26 Nov 2025 10:27		SY/MD	Ok
9	VSTDICV050	ICVVY112625	VY023816.D	26 Nov 2025 10:50		SY/MD	Ok,M
10	VY1126SBL01	VY1126SBL01	VY023817.D	26 Nov 2025 11:13		SY/MD	Ok
11	VY1126SBS01	VY1126SBS01	VY023818.D	26 Nov 2025 11:47		SY/MD	Ok,M
12	VY1126SBSD01	VY1126SBSD01	VY023819.D	26 Nov 2025 12:09		SY/MD	Ok,M
13	Q3604-04	S-1	VY023820.D	26 Nov 2025 12:34	not reported,vial A	SY/MD	Not Ok
14	Q3604-05	S-2	VY023821.D	26 Nov 2025 12:57	not reported,vial A	SY/MD	Not Ok
15	VIBLK	VIBLK	VY023822.D	26 Nov 2025 13:21		SY/MD	Ok
16	Q3721-01	EO-2-112525	VY023823.D	26 Nov 2025 13:44	vial A	SY/MD	Ok
17	Q3723-01	CC-1-112525	VY023824.D	26 Nov 2025 14:08	vial A	SY/MD	Ok
18	Q3725-04	STOCKPILE-SAMPLES	VY023825.D	26 Nov 2025 14:31	vial A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:50:11 AM		
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:01 PM		
SubDirectory	VY112625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136432
Initial Calibration Stds	VP136433,VP136434,VP136435,VP136436,VP136437,VP136438
CCC	VP136440
Internal Standard/PEM	VP136146
ICV/I.BLK	VP136439
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VIBLK	VIBLK	VY023826.D	26 Nov 2025 14:54		SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY023827.D	26 Nov 2025 15:17		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120125

Review By	John Carlone	Review On	12/2/2025 9:00:18 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/2/2025 10:16:40 AM		
SubDirectory	VY120125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136454
Initial Calibration Stds	
CCC	VP136455,VP136456
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023828.D	01 Dec 2025 07:24		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023829.D	01 Dec 2025 07:55		SY/MD	Ok,M
3	VY1201SBL01	VY1201SBL01	VY023830.D	01 Dec 2025 09:13		SY/MD	Ok
4	VY1201SBS01	VY1201SBS01	VY023831.D	01 Dec 2025 09:37		SY/MD	Ok,M
5	VY1201SBSD01	VY1201SBSD01	VY023832.D	01 Dec 2025 10:00		SY/MD	Ok,M
6	Q3719-09RE	SB-1125-15ARE	VY023833.D	01 Dec 2025 10:38	Internal standard fail;Surrogate fail,vial B	SY/MD	Confirms
7	Q3719-13	SB-1125-17A	VY023834.D	01 Dec 2025 11:25	vial B	SY/MD	Ok
8	Q3735-01	BU-3-112625	VY023835.D	01 Dec 2025 12:02	Internal Standard Fail,vial A	SY/MD	ReRun
9	Q3740-01	WC1	VY023836.D	01 Dec 2025 12:26	vial A	SY/MD	Ok
10	Q3741-02	B50-SP13-112025	VY023837.D	01 Dec 2025 12:49	vial A	SY/MD	Ok
11	Q3741-03	B50-SP14-112025	VY023838.D	01 Dec 2025 13:12	vial A	SY/MD	Ok
12	Q3741-04	B50-SP9-112425	VY023839.D	01 Dec 2025 13:36	Surrogate fail,vial A	SY/MD	ReRun
13	Q3741-05	B50-SP11-112525	VY023840.D	01 Dec 2025 13:59	Internal standard fail;Surrogate fail,vial A	SY/MD	ReRun
14	Q3741-01	B50-SP3-111925	VY023841.D	01 Dec 2025 14:23	vial A	SY/MD	Ok
15	Q3741-06	B50-SP4-112525	VY023842.D	01 Dec 2025 14:46	Internal standard fail;Surrogate fail,vial A	SY/MD	ReRun
16	Q3742-01	SB-1125-23	VY023843.D	01 Dec 2025 15:10	vial A	SY/MD	Ok
17	Q3742-02	SB-1125-19	VY023844.D	01 Dec 2025 15:33	vial A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120125

Review By	John Carlone	Review On	12/2/2025 9:00:18 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/2/2025 10:16:40 AM		
SubDirectory	VY120125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136454
Initial Calibration Stds	
CCC	VP136455,VP136456
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3742-03	SB-1125-8	VY023845.D	01 Dec 2025 15:57	vial A	SY/MD	Ok
19	Q3742-04	SB-1125-9	VY023846.D	01 Dec 2025 16:20	vial A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY023847.D	01 Dec 2025 17:47		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120225

Review By	Semsettin Yesilyurt	Review On	12/3/2025 12:40:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	12/3/2025 2:29:19 PM		
SubDirectory	VY120225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y112625s.m

STD. NAME	STD REF.#
Tune/Reschk	AP136460
Initial Calibration Stds	
CCC	VP136461,VP136462
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023848.D	02 Dec 2025 06:50		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023849.D	02 Dec 2025 09:14	CCAL failed high for com.#16	SY/MD	Ok,M
3	VY1202SBL01	VY1202SBL01	VY023850.D	02 Dec 2025 10:24		SY/MD	Ok
4	VY1202SBS01	VY1202SBS01	VY023851.D	02 Dec 2025 10:53		SY/MD	Ok,M
5	VY1202SBSD01	VY1202SBSD01	VY023852.D	02 Dec 2025 11:16		SY/MD	Ok,M
6	Q3742-05	SB-1125-21	VY023853.D	02 Dec 2025 12:08	vial B	SY/MD	Ok
7	Q3735-01	BU-3-112625	VY023854.D	02 Dec 2025 12:31	vial B	SY/MD	Ok
8	Q3741-04RE	B50-SP9-112425RE	VY023855.D	02 Dec 2025 12:55	Internal standard fail;Surrogate fail,vial B	SY/MD	Confirms
9	Q3741-05RE	B50-SP11-112525RE	VY023856.D	02 Dec 2025 13:18	Surrogate fail,vial B	SY/MD	Confirms
10	Q3741-06RE	B50-SP4-112525RE	VY023857.D	02 Dec 2025 13:42	Internal standard fail;Not match with first run,vial B	SY/MD	Confirms
11	Q3746-01	ROW	VY023858.D	02 Dec 2025 14:05	vial A	SY/MD	Ok
12	Q3742-06	SB-1125-13	VY023859.D	02 Dec 2025 14:29	vial A	SY/MD	Ok
13	VIBLK	VIBLK	VY023860.D	02 Dec 2025 15:33		SY/MD	Ok
14	Q3742-08	SB-1125-20	VY023861.D	02 Dec 2025 15:57	vial A	SY/MD	Ok
15	Q3742-09	SB-1125-22	VY023862.D	02 Dec 2025 16:20	Internal Standard Fail; CCC Failed High,vial A	SY/MD	ReRun
16	VSTDCCC050	VSTDCCC050EC	VY023863.D	02 Dec 2025 17:20		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120325

Review By	John Carlone	Review On	12/4/2025 8:43:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 2:37:23 PM		
SubDirectory	VY120325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y120325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136489
Initial Calibration Stds	VP136490,VP136491,VP136492,VP136493,VP136494,VP136495
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136496
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023864.D	03 Dec 2025 07:40		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023865.D	03 Dec 2025 08:11	Need ICAL	SY/MD	Not Ok
3	VIBLK	VIBLK	VY023866.D	03 Dec 2025 13:19		SY/MD	Ok
4	VSTDICC005	VSTDICC005	VY023867.D	03 Dec 2025 13:42	Low spiked	SY/MD	Not Ok
5	VSTDICC010	VSTDICC010	VY023868.D	03 Dec 2025 14:05	Method failed for Comp. #13	SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY023869.D	03 Dec 2025 14:27		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY023870.D	03 Dec 2025 14:50	Comp. #10,11,20,56,58 are on Linear Regression	SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY023871.D	03 Dec 2025 15:12		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY023872.D	03 Dec 2025 15:35		SY/MD	Ok,M
10	VIBLK	VIBLK	VY023873.D	03 Dec 2025 16:00		SY/MD	Ok
11	VSTDICC005	VSTDICC005	VY023874.D	03 Dec 2025 16:23		SY/MD	Ok,M
12	VSTDICV050	ICVVY120325	VY023875.D	03 Dec 2025 17:08	ICV marginally failed for comp. #16,28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120425

Review By	John Carlone	Review On	12/5/2025 11:05:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:15:05 PM		
SubDirectory	VY120425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y120325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136508
Initial Calibration Stds	
CCC	VP136509,VP136510
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023876.D	04 Dec 2025 07:00		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023877.D	04 Dec 2025 07:31		SY/MD	Ok,M
3	VY1204SBL01	VY1204SBL01	VY023878.D	04 Dec 2025 08:40		SY/MD	Ok
4	VY1204SBS01	VY1204SBS01	VY023879.D	04 Dec 2025 09:04		SY/MD	Ok,M
5	VY1204SBSD01	VY1204SBSD01	VY023880.D	04 Dec 2025 09:27		SY/MD	Ok,M
6	Q3750-03	FENCE WC-1-VOC	VY023881.D	04 Dec 2025 09:52	vial A	SY/MD	Ok
7	Q3750-06	FENCE WC-2-VOC	VY023882.D	04 Dec 2025 10:15	Internal Standard Fail,vial A	SY/MD	ReRun
8	Q3767-01	346	VY023883.D	04 Dec 2025 10:39	vial A	SY/MD	Ok
9	Q3768-01	20071	VY023884.D	04 Dec 2025 11:02	Surrogate Fail;Internal Standard Fail,confirmation with MeOH,vial A	SY/MD	Ok
10	VIBLK	VIBLK	VY023885.D	04 Dec 2025 11:25		SY/MD	Ok
11	VIBLK	VIBLK	VY023886.D	04 Dec 2025 11:58		SY/MD	Ok
12	Q3750-06RE	FENCE WC-2-VOCRE	VY023887.D	04 Dec 2025 12:22	Internal Standard Fail,vial B	SY/MD	Confirms
13	Q3742-16	SB-1125-1	VY023888.D	04 Dec 2025 12:45	vial A	SY/MD	Ok
14	Q3742-17	SB-1125-25	VY023889.D	04 Dec 2025 13:09	vial A	SY/MD	Ok
15	Q3742-18	SB-1125-24	VY023890.D	04 Dec 2025 13:32	vial A	SY/MD	Ok
16	Q3753-02	MOO-25-334-337	VY023891.D	04 Dec 2025 13:56	vial A	SY/MD	Ok
17	Q3753-04	AR520-0002	VY023892.D	04 Dec 2025 14:19	vial A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY120425

Review By	John Carlone	Review On	12/5/2025 11:05:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:15:05 PM		
SubDirectory	VY120425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y120325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136508
Initial Calibration Stds	
CCC	VP136509,VP136510
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3742-09	SB-1125-22	VY023893.D	04 Dec 2025 14:43	vial B	SY/MD	Ok
19	Q3742-07	SB-1125-18	VY023894.D	04 Dec 2025 15:06	vial B	SY/MD	Ok
20	Q3742-10	SB-1125-2	VY023895.D	04 Dec 2025 15:29	vial B	SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY023896.D	04 Dec 2025 15:52		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 12/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138066

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3741-01	B50-SP3-111925	1	1.15	10.38	11.53	10.66	91.6	
Q3741-02	B50-SP13-112025	2	1.18	10.33	11.51	10.1	86.4	
Q3741-03	B50-SP14-112025	3	1.19	10.25	11.44	10.14	87.3	
Q3741-04	B50-SP9-112425	4	1.16	10.61	11.77	10.2	85.2	
Q3741-05	B50-SP11-112525	5	1.16	10.47	11.63	10.02	84.6	
Q3741-06	B50-SP4-112525	6	1.18	10.50	11.68	10.2	85.9	
Q3742-01	SB-1125-23	7	1.11	10.61	11.72	8.55	70.1	
Q3742-02	SB-1125-19	8	1.19	11.07	12.26	5.72	40.9	
Q3742-03	SB-1125-8	9	1.17	10.55	11.72	10.16	85.2	
Q3742-04	SB-1125-9	10	1.19	10.57	11.76	9.5	78.6	
Q3742-05	SB-1125-21	11	1.16	10.61	11.77	9.6	79.5	
Q3742-06	SB-1125-13	12	1.18	10.18	11.36	9.88	85.5	
Q3742-07	SB-1125-18	13	1.11	10.19	11.3	8.07	68.3	
Q3742-08	SB-1125-20	14	1.15	10.84	11.99	9.86	80.4	
Q3742-09	SB-1125-22	15	1.12	10.90	12.02	9.05	72.8	
Q3742-10	SB-1125-2	16	1.16	10.76	11.92	9.38	76.4	
Q3742-11	SB-1125-3A	17	1.19	10.58	11.77	8.93	73.2	
Q3742-12	SB-1125-3B	18	1.17	10.50	11.67	10.55	89.3	
Q3742-13	SB-1125-3C	19	1.16	10.50	11.66	9.31	77.6	
Q3742-14	SB-1125-3D	20	1.13	10.45	11.58	8.5	70.5	
Q3742-14D	SB-1125-3DDUP	21	1.15	10.45	11.6	8.53	70.6	
Q3742-15	SB-1125-3E	22	1.13	10.39	11.52	8.05	66.6	
Q3742-16	SB-1125-1	23	1.19	10.33	11.52	8.78	73.5	
Q3742-17	SB-1125-25	24	1.18	11.18	12.36	8.26	63.3	
Q3742-18	SB-1125-24	25	1.15	10.90	12.05	7.99	62.8	
Q3745-05	SVOC-GPC-BLANK	31	1.00	1.00	2.00	2.00	100.0	
Q3745-06	PEST-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q3745-07	PEST-GPC-BLANK-SPIKE	33	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 12/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB138066

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3745-08	SVOC-GPC2-BLANK	34	1.00	1.00	2.00	2.00	100.0	
Q3745-09	PEST-GPC2-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q3745-10	PEST -GPC2-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q3746-01	ROW	26	1.15	10.84	11.99	8.59	68.6	
Q3746-02	ROW-E2	27	1.14	10.58	11.72	5.2	38.4	
Q3747-01	1	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3747-02	2	29	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3747-03	3	30	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3748-01	AU-05-12-1-2025	37	1.18	10.75	11.93	11.03	91.6	
Q3748-02	AU-05-12-1-2025	38	1.18	10.55	11.73	10.88	91.9	
Q3750-01	FENCE WC-1	39	1.15	10.77	11.92	10.5	86.8	
Q3750-02	FENCE WC-1-EPH	40	1.19	10.31	11.5	10.15	86.9	
Q3750-03	FENCE WC-1-VOC	41	1.16	10.58	11.74	9.72	80.9	
Q3750-04	FENCE WC-2	42	1.11	10.51	11.62	10.2	86.5	
Q3750-05	FENCE WC-2-EPH	43	1.13	10.21	11.34	9.97	86.6	
Q3750-06	FENCE WC-2-VOC	44	1.19	10.38	11.57	10.52	89.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 138066

WorkList Name : %1-120125 **WorkList ID :** 193391 **Department :** Wet-Chemistry **Date :** 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3741-01	B50-SP3-111925	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/19/2025	Chemtech -SO
Q3741-02	B50-SP13-112025	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/20/2025	Chemtech -SO
Q3741-03	B50-SP14-112025	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/20/2025	Chemtech -SO
Q3741-04	B50-SP9-112425	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/24/2025	Chemtech -SO
Q3741-05	B50-SP11-112525	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/25/2025	Chemtech -SO
Q3741-06	B50-SP4-112525	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/25/2025	Chemtech -SO
Q3742-01	SB-1125-23	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/6025	Chemtech -SO
Q3742-02	SB-1125-19	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-03	SB-1125-8	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-04	SB-1125-9	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-05	SB-1125-21	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-06	SB-1125-13	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-07	SB-1125-18	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-08	SB-1125-20	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-09	SB-1125-22	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-10	SB-1125-2	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-11	SB-1125-3A	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-12	SB-1125-3B	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-13	SB-1125-3C	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-14	SB-1125-3D	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-15	SB-1125-3E	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO

Date/Time 12/01/25 15:15

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 12/01/25 17:40

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

JR 1380 CC

WorkList Name : %1-120125 **WorkList ID :** 193391 **Department :** Wet-Chemistry **Date :** 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3742-16	SB-1125-1	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-17	SB-1125-25	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-18	SB-1125-24	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3745-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3746-01	ROW	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/02/2025	Chemtech -SO
Q3746-02	ROW-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/02/2025	Chemtech -SO
Q3747-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3747-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3747-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3748-01	AU-05-12-1-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A12	12/01/2025	Chemtech -SO
Q3748-02	AU-05-12-1-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A12	12/01/2025	Chemtech -SO
Q3750-01	FENCE WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-02	FENCE WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-03	FENCE WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-04	FENCE WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-05	FENCE WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO

Date/Time 12/01/25 1545

Raw Sample Received by: JB WC1

Raw Sample Relinquished by: CR

Date/Time 12/01/25 1740

Raw Sample Received by: CR

Raw Sample Relinquished by: JB WC1

WORKLIST(Hardcopy Internal Chain)

138066

WorkList Name : %1-120125 **WorkList ID :** 193391 **Department :** Wet-Chemistry **Date :** 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3750-06	FENCE WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO

Date/Time 12/01/25 13:15

Raw Sample Received by: JB WC

Raw Sample Relinquished by:

Date/Time 12/01/25 17:40

Raw Sample Received by:

Raw Sample Relinquished by: JB WC

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q3742

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VY120125,VY120225,VY120425,

Standard ID :
AP136460,VP134147,VP134149,VP134150,VP134934,VP136027,VP136028,VP136146,VP136354,VP136355,VP136376,VP136454,VP136455,VP136456,VP136461,VP136462,VP136508,VP136509,VP136510,

Chemical ID :
V13392,V14291,V14511,V14512,V14533,V14534,V14625,V14636,V14637,V14638,V14639,V14673,V14697,V14698,V14701,V14735,V14738,V14813,V14816,V14844,V14906,V14929,V14931,V14936,V14937,V14955,V14956,V15122,V15123,V15124,V15125,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP136027	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/04/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14511 + 1.00000ml of V14512 + 1.00000ml of V14533 + 1.00000ml of V14534 + 1.00000ml of V14701 + 1.00000ml of V14735 + 1.00000ml of V14738 + 1.00000ml of V14813 + 1.00000ml of V14816 + 1.00000ml of V14955 + 1.00000ml of V14956 + 1.50000ml of V14697 + 1.50000ml of V14698 + 10.60000ml of V14931 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP136028	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/04/2025

FROM 5.62500ml of V14931 + 9.37500ml of VP136027 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP136146	11/11/2025	04/30/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/12/2025

FROM 0.05000ml of V14291 + 24.95000ml of V14937 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP136354	11/20/2025	12/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/21/2025

FROM 1.00000ml of V15122 + 1.00000ml of V15123 + 1.00000ml of V15124 + 1.00000ml of V15125 + 21.00000ml of V14937 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP136355	11/20/2025	12/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/21/2025

FROM 5.62500ml of V14937 + 9.37500ml of VP136354 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP136376	11/24/2025	05/24/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 0.50000ml of V13392 + 49.50000ml of V14936 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP136454	12/01/2025	12/02/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/02/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP136376 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136455	12/01/2025	12/02/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/02/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136456	12/01/2025	12/02/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/02/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136461	12/02/2025	12/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/05/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136462	12/02/2025	12/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/05/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP136508	12/04/2025	12/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/05/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP136376 = Final Quantity: 5.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136509	12/04/2025	12/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/05/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP136510	12/04/2025	12/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/05/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP136028 + 0.00250ml of VP136355 + 0.00500ml of VP136146 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/24/2026	11/24/2025 / sam	01/13/2023 / SAM	V13392

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/11/2026	11/11/2025 / sam	04/15/2024 / SAM	V14291

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14534

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14701

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14735

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14738

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14813

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/27/2026	10/27/2025 / sam	05/09/2025 / SAM	V14931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	05/24/2026	11/24/2025 / sam	05/09/2025 / SAM	V14936

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/30/2026	10/31/2025 / Amit	05/09/2025 / SAM	V14937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111925	12/19/2025	11/20/2025 / sam	11/20/2025 / sam	V15122

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111925	12/19/2025	11/20/2025 / sam	11/20/2025 / sam	V15123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111925	12/19/2025	11/20/2025 / sam	11/20/2025 / sam	V15124

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	111925	12/19/2025	11/20/2025 / sam	11/20/2025 / sam	V15125

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

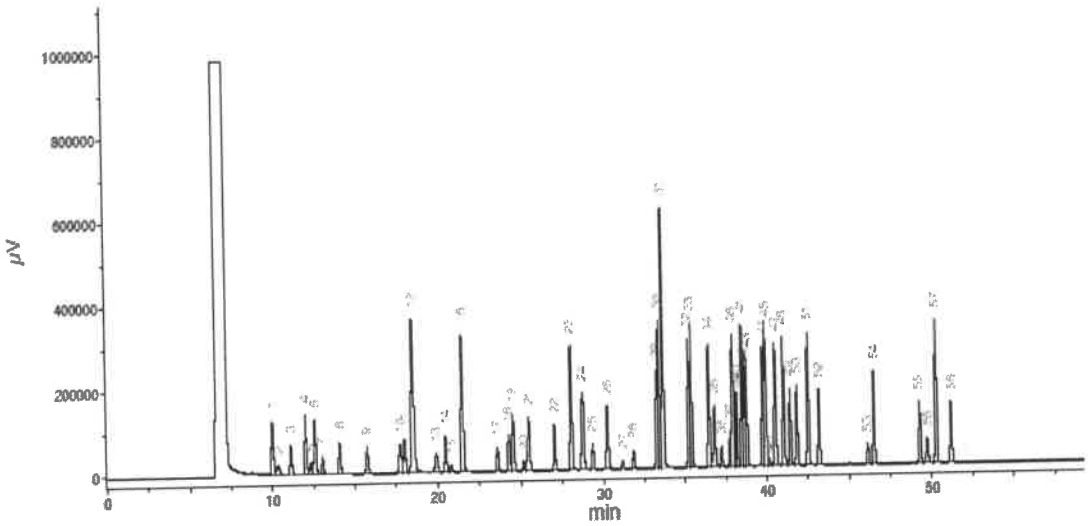
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

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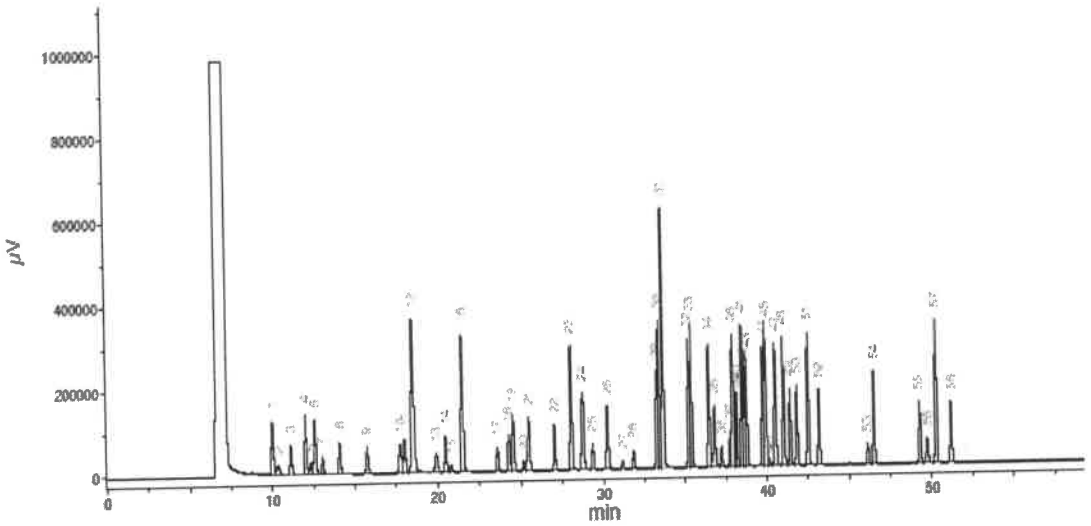
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

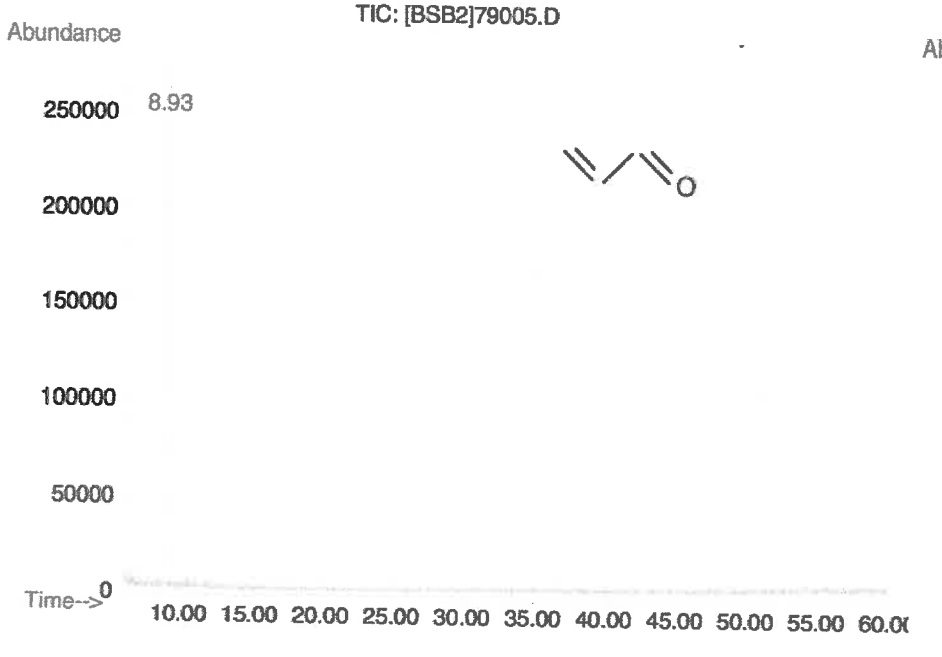
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

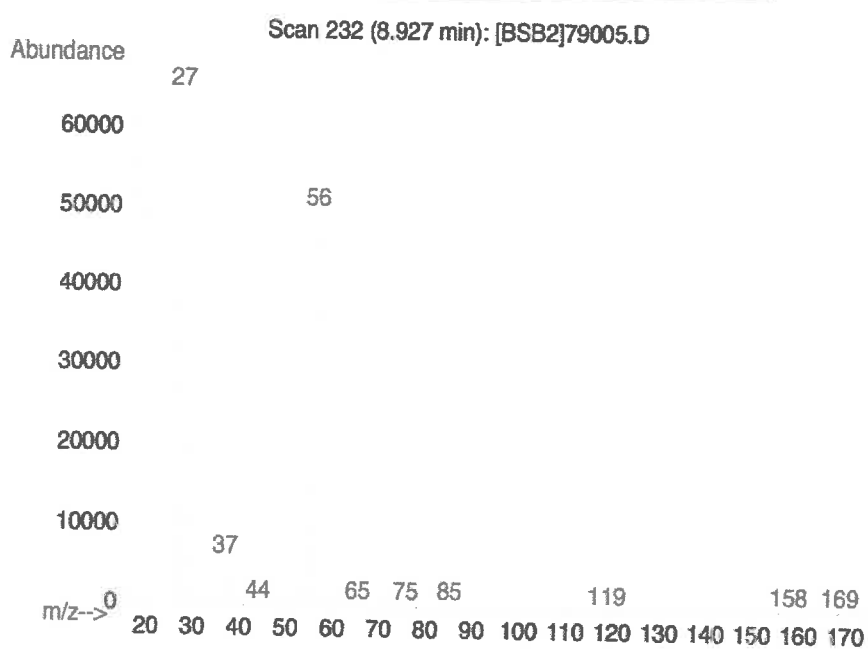
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

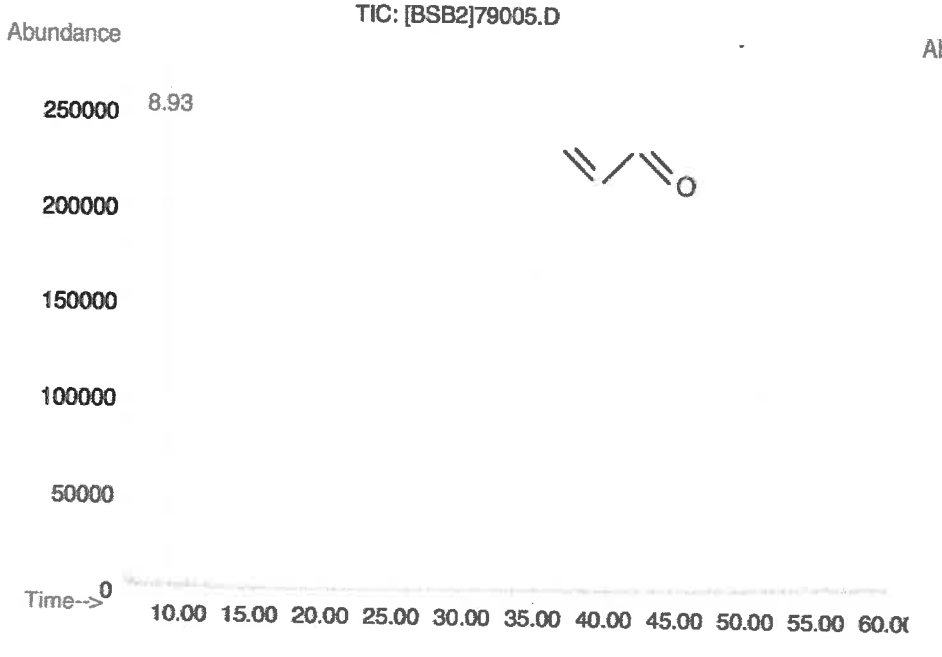
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

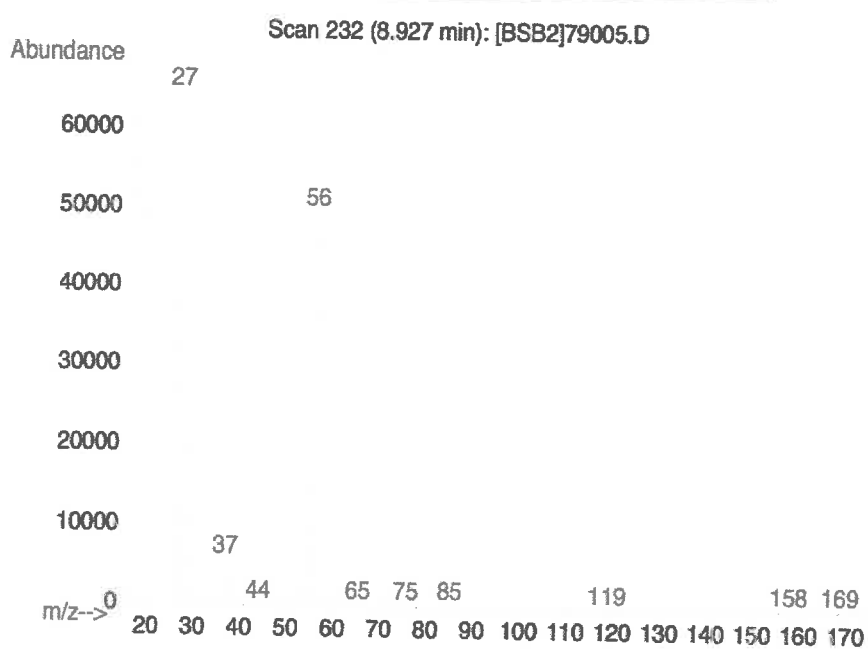
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

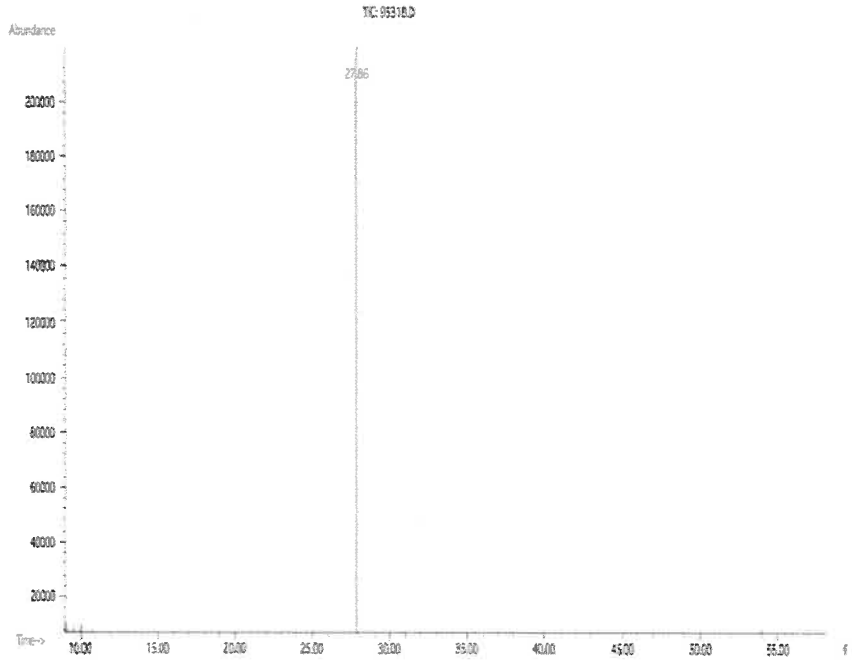
V14630 to V14649

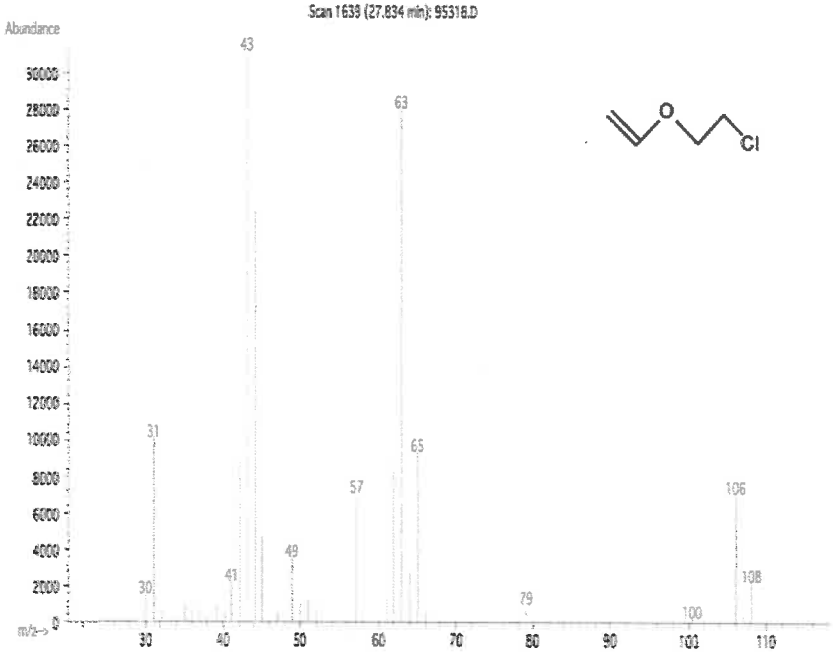
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

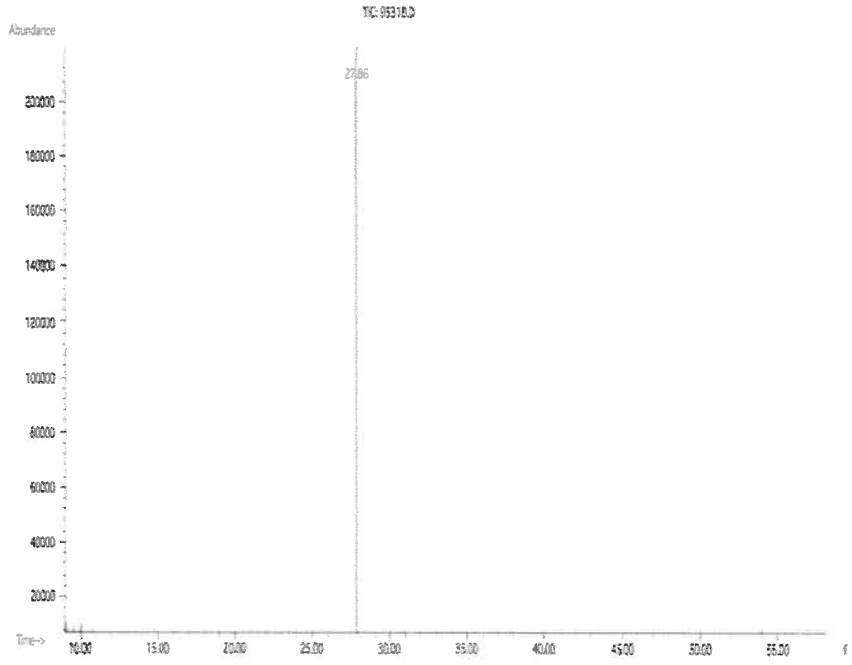
V14630 to V14649

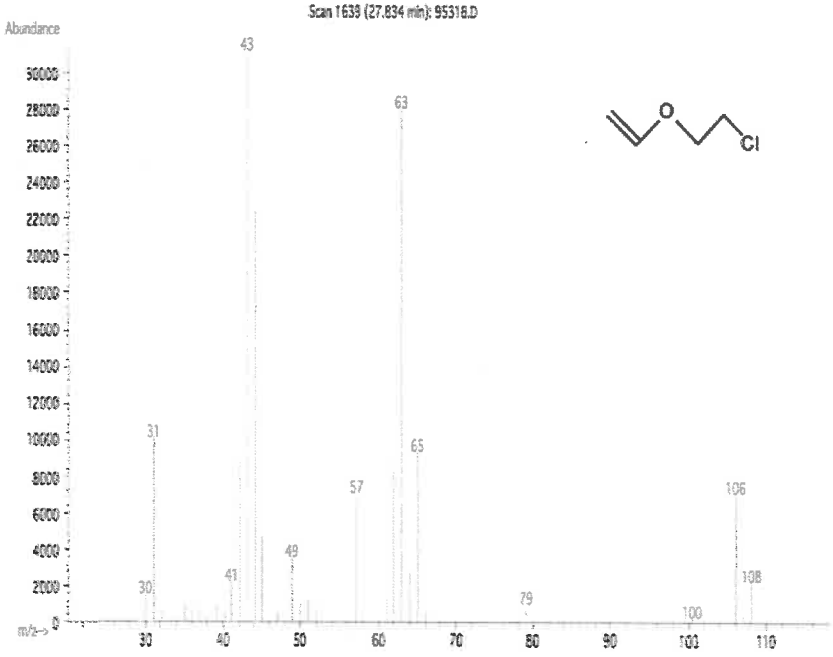
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
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Toxic if absorbed through skin. Causes skin irritation.
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Toxic if swallowed.

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LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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Formulated By: Prashant Chauhan	DATE
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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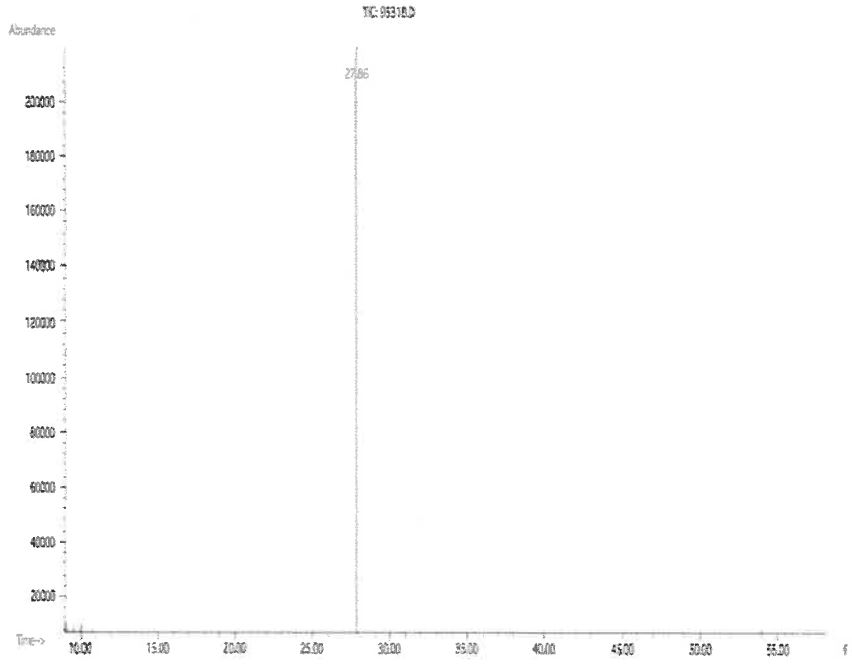

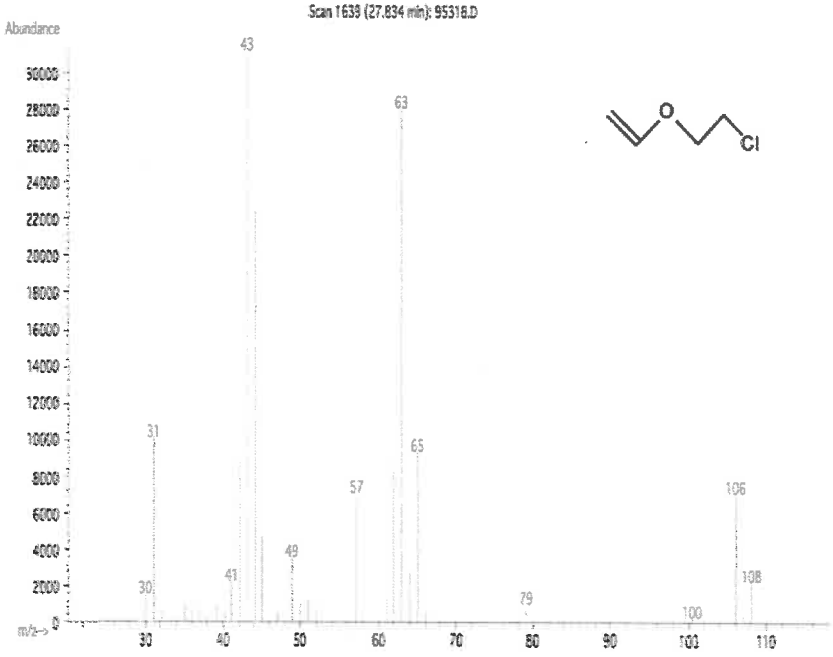

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Signal Word: DANGER

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EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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Rec 12/6/24
20 vial

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

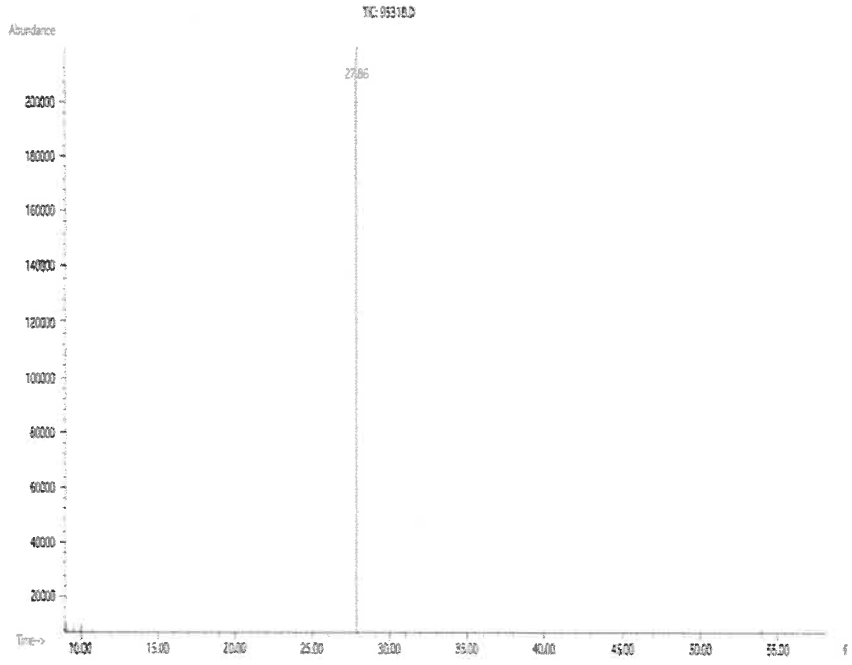
V14630 to V14649

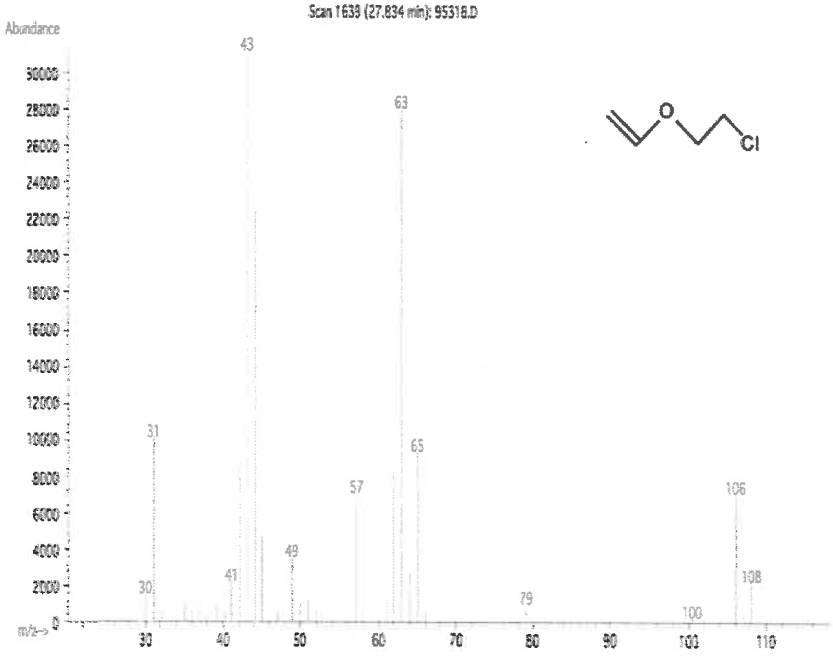
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

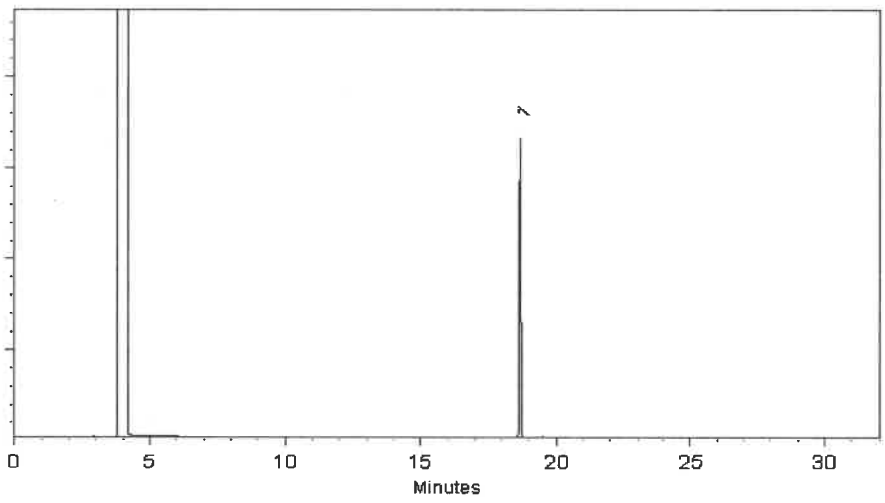
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

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ISO 17034 Accredited
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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

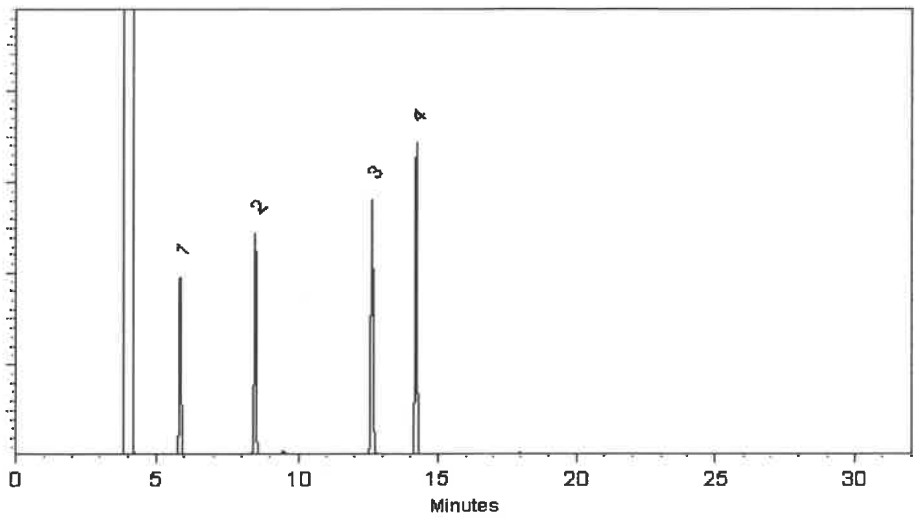
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

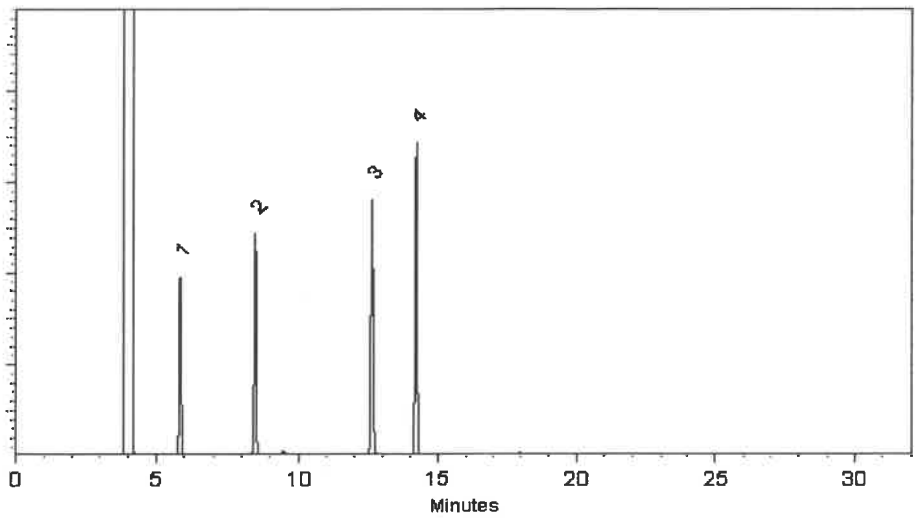
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

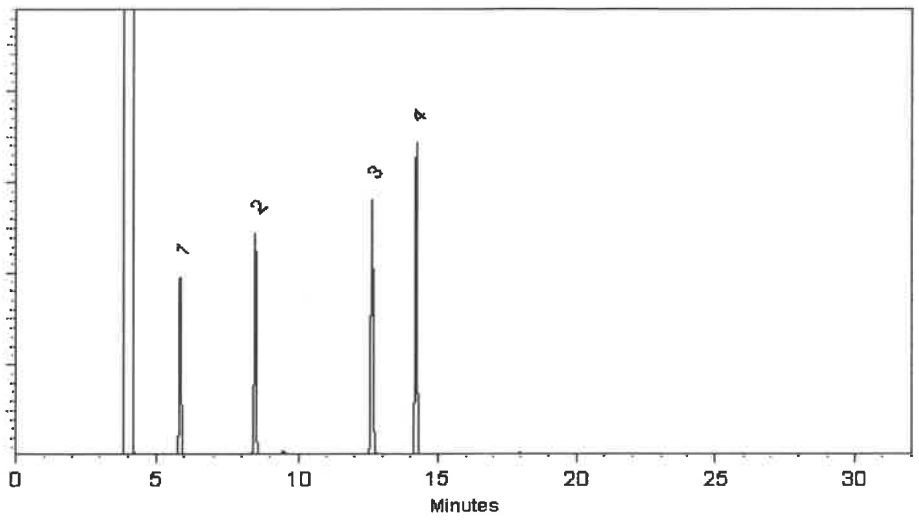
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

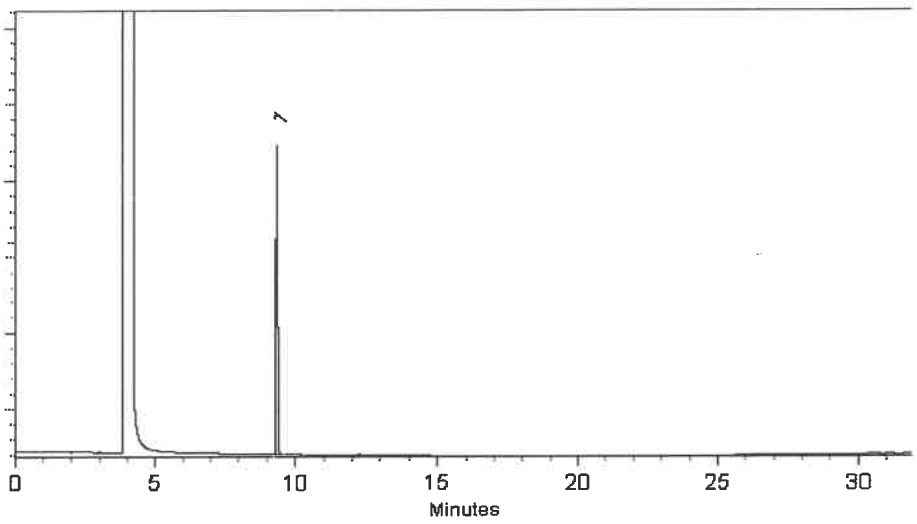
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

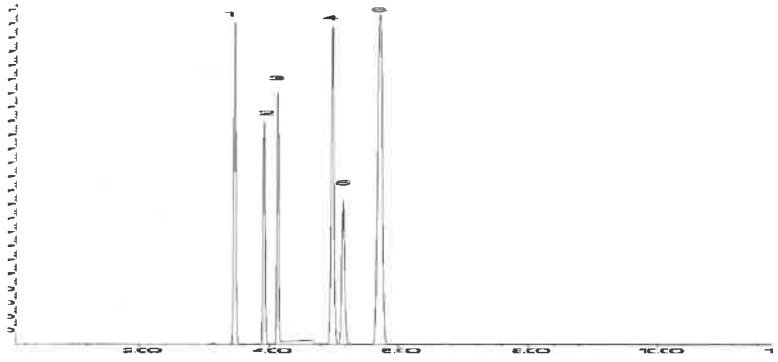
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

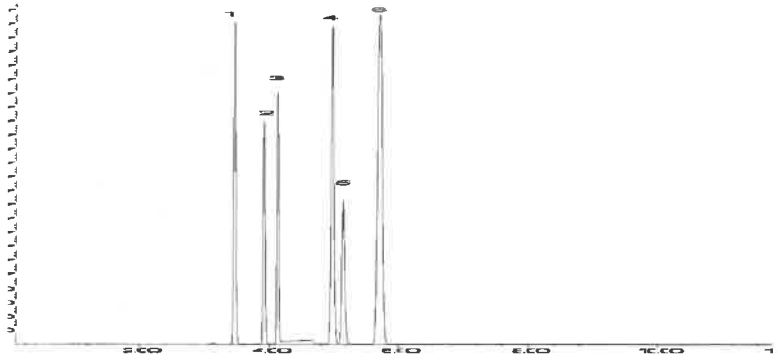
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

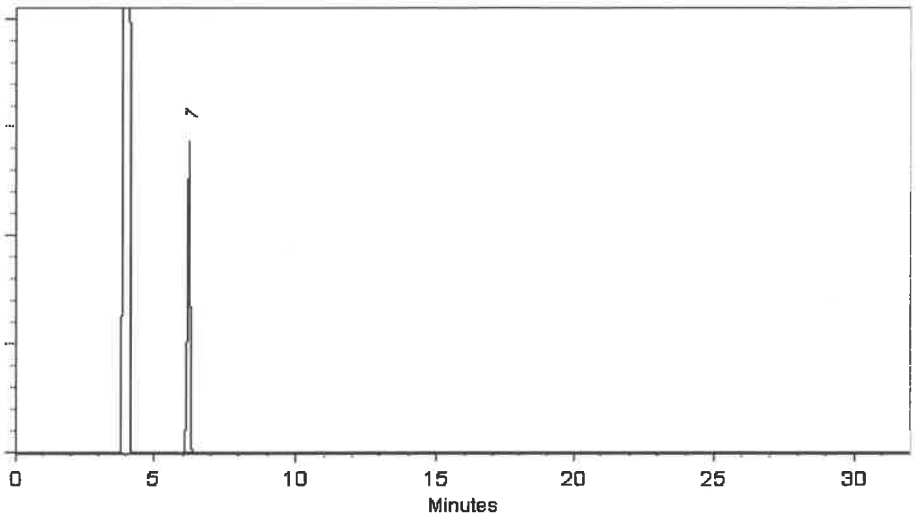
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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V14803 - V14822

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

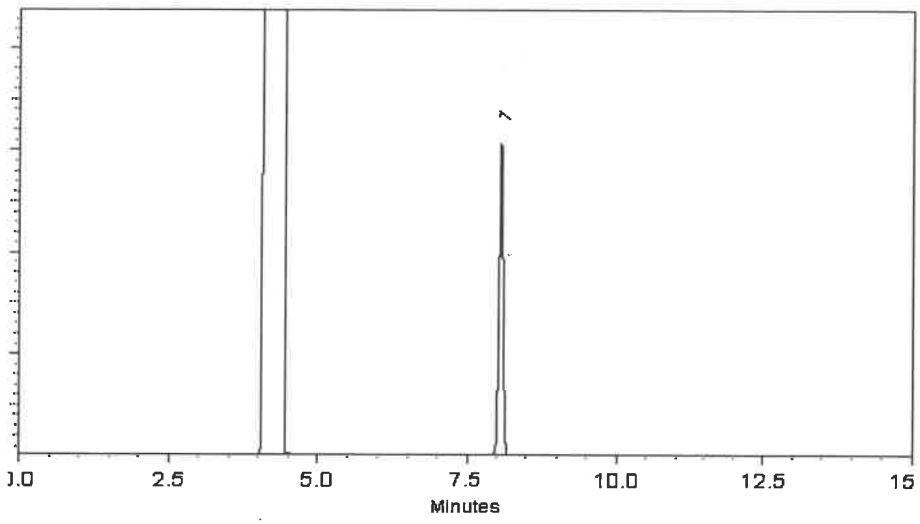
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

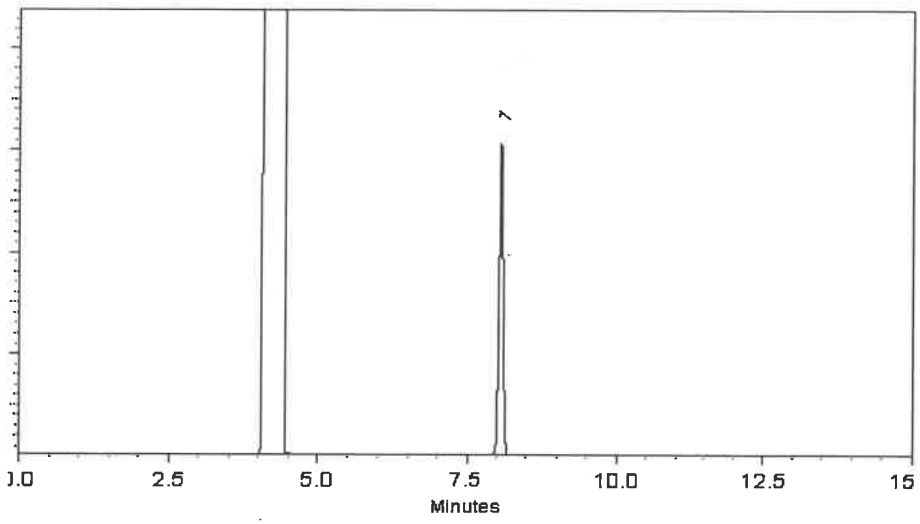
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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10 vial

CERTIFIED REFERENCE MATERIAL

Lee 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

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V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Rec 05/19/25

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CERTIFIED REFERENCE MATERIAL
20 Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

Rec 05/19/25

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL
20 Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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Catalog No. : 30489 **Lot No.:** A0222076

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 11/20/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 111925
Description: Acrolein

Expiration Date: 121925
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s):	Lot#
Water	041725Q

5 vial

V15/21 to V15/25

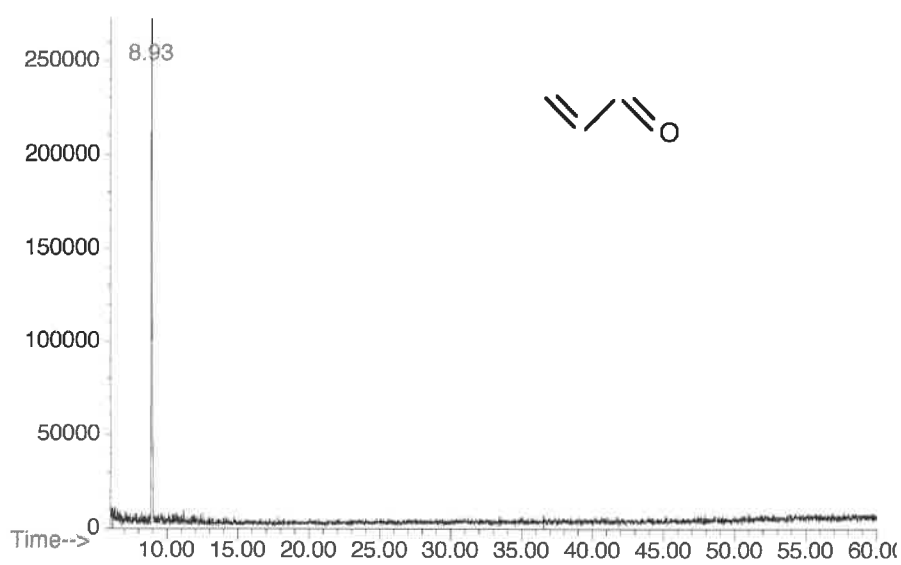
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

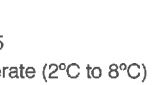
Formulated By:	Prashant Chauhan	111925 DATE
Reviewed By:	Pedro L. Rentas	111925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D





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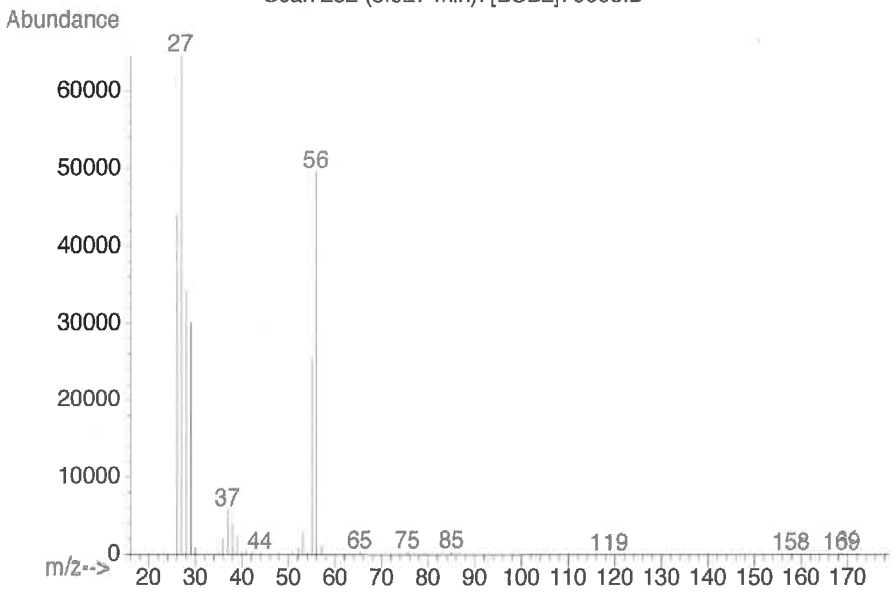


- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 11/20/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 111925
Description: Acrolein

Expiration Date: 121925
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s):	Lot#
Water	041725Q

5 vial

V15/21 to V15/25

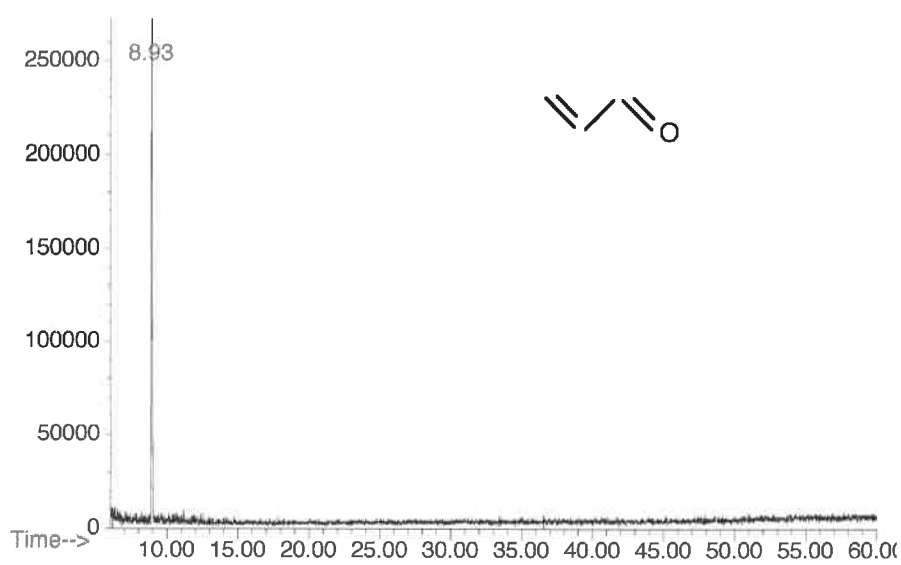
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

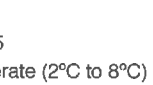
Formulated By:	Prashant Chauhan	111925 DATE
Reviewed By:	Pedro L. Rentas	111925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

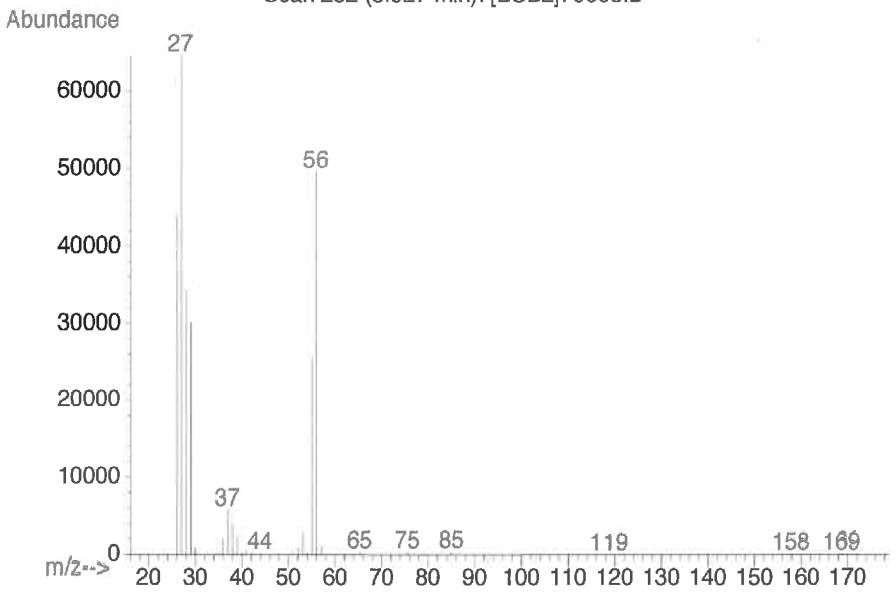
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D





Scan 232 (8.927 min): [BSB2]79005.D



- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 111925
Description: Acrolein

Expiration Date: 121925
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s):	Lot#
Water	041725Q

5 vial

V15/21 to V15/25

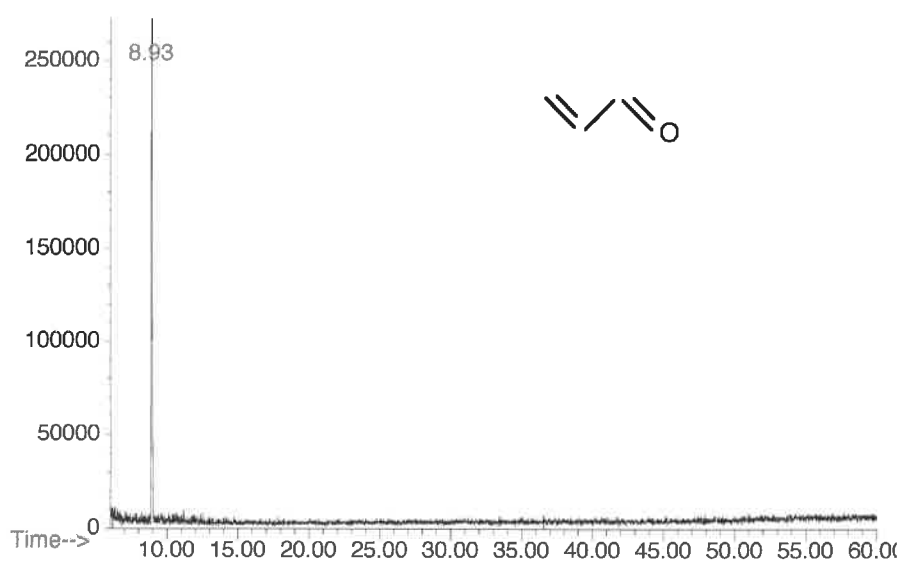
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

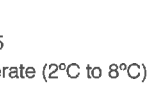
Formulated By:	Prashant Chauhan	111925 DATE
Reviewed By:	Pedro L. Rentas	111925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

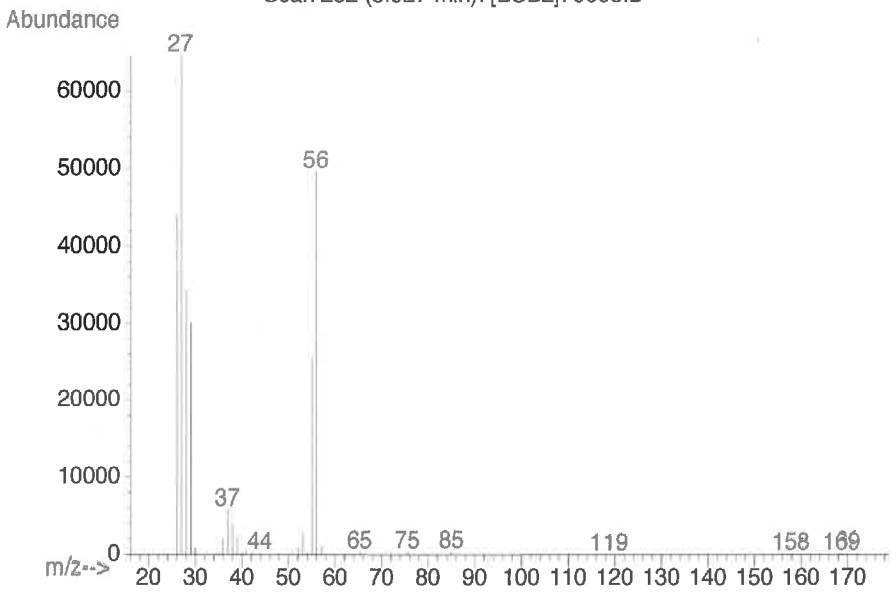
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D





Scan 232 (8.927 min): [BSB2]79005.D



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  Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 11/20/25

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 111925
Description: Acrolein

Expiration Date: 121925
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s):	Lot#
Water	041725Q

5 vial

V15/21 to V15/25

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	111925 DATE
Reviewed By:	Pedro L. Rentas	111925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

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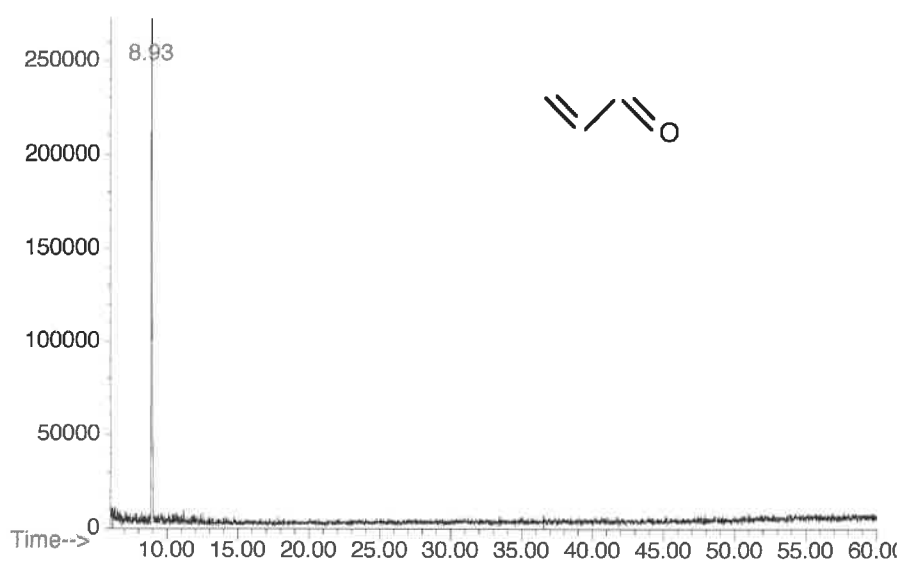

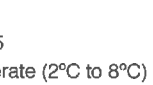

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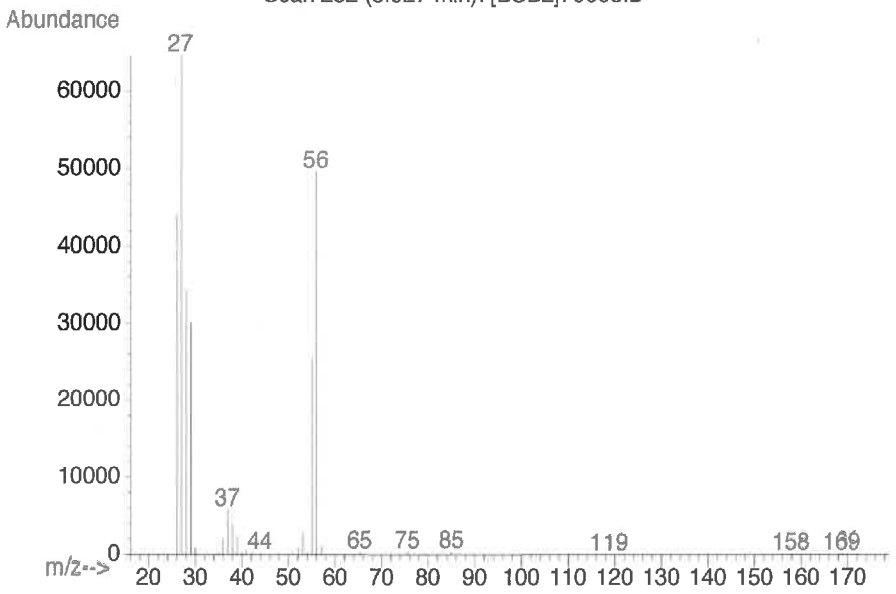

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  Rev 1.0, 2/25/2025

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 3742
COC Number 2046921

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington & Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Saddler Property
PROJECT NO.: 0400L003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APInvoices@RVE.com PO#: 0400L003
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson PHONE: 609-682-3049

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NJ HazSite

ANALYSIS

1: TAL/TCL+30 Soil
2: Cyanide
3: EPH Cat2 (nonfiltered)
4: VOCs
5: BNA+15
6: PCBs + TAL Metals
7: TAL Metals (MC)
8: EPH Cat 1
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E		E	F	E	E	E	E		← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	SB-1125-23	Soil		X	11/26/25	850	7	3		1	3						F = Encore Samplers
2.	SB-1125-19	Soil		X	11/25/25	855	7	3		1	3						
3.	SB-1125-8	Soil		X	11/25/25	930	6				3	1	1		1		See Below Comments *
4.	SB-1125-9	Soil		X	11/25/25	935	6				3	1	1		1		See Below Comments *
5.	~~SB-1125-8~~ (MC)	~~Soil~~		~~X~~	~~11/25/25~~	~~930~~ (MC)					3 (MC)						
6.	SB-1125-21	Soil		X	11/25/25	1105	7	3		1	3						
7.	SB-1125-13	Soil		X	11/25/25	1115	7	3		1	3						
8.	SB-1125-18	Soil		X	11/25/25	1125	7	3		1	3						
9.	SB-1125-20	Soil		X	11/25/25	1205	7	3		1	3						
10.	SB-1125-22	Soil		X	11/25/25	1245	7	3		1	3						

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Mario Carulli @ RVE	11/26/2025 1240	1640 11-26-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1800 11-26-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: * For Samples SB-1125-8 and SB-1125-9 Run ALL Analysis, but only Report EPH First then if EPH is detected RVE will choose to report Remaining Parameters.

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3742
COC Number 2046923

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington + Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Saddler Property
PROJECT NO. 04002003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APInvoices@RVE.com PO#: 04002003
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP 08003
ATTENTION: Kyle Carlson PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: ______ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ☒ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other
☒ EDD FORMAT NJ Hazsite

ANALYSIS

1. TAL/TCL+30 & cyanide
2. EPH Cat 2 No Fract
3. VOCs
4. EPH Cat 1
5.
6.
7.
8.
9.

PRESERVATIVES / COMMENTS

← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1 (E)	2 (E)	3 (F)	4 (E)	5	6	7	8	9	COMMENTS
1.	SB-1125-2	Soil		X	11/25/25	1305	7	3	1	3	(10)						F = Encores
2.	SB-1125-3A	Soil		X	11/25/25	1330					1						↓
3.	SB-1125-3B	Soil		X	11/25/25	1335					1						
4.	SB-1125-3C	Soil		X	11/25/25	1340					1						
5.	SB-1125-3D	Soil		X	11/25/25	1355					1						
6.	SB-1125-3E	Soil		X	11/25/25	1355					1						
7.	SB-1125-1	Soil		X	11/25/25	1430	7	3	1	3							
8.	SB-1125-25	Soil		X	11/25/25	1430	7	3	1	3							
9.	SB-1125-24	Soil		X	11/25/25	1505	7	3	1	3							
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Marco Carollo %RVE	11/26/25 12PM	1. [signature] 1640 11-26-25
2.		2.
3. [signature]	1820 11.26.25	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments:

Page 2 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3742 REMI01
Client Name : Remington & Vernick
Client Contact : Justin Zarzecki
Invoice Name : Remington & Vernick
Invoice Contact : Justin Zarzecki

Order Date : 12/1/2025 9:06:00 AM
Project Name : Saddler Property
Receive DateTime : 11/26/2025 6:20:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ Regular
EDD Type : ~~EXCEL-NJCLEANUP~~
Hard Copy Date : MJ. Reduced
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3742-01	SB-1125-23	Solid	11/25/6025 (26)	08:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-02	SB-1125-19	Solid	11/25/2025	08:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-03	SB-1125-8	Solid	11/25/2025	09:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-04	SB-1125-9	Solid	11/25/2025	09:35					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-05	SB-1125-21	Solid	11/25/2025	11:05					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-06	SB-1125-13	Solid	11/25/2025	11:15					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-07	SB-1125-18	Solid	11/25/2025	11:25					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-08	SB-1125-20	Solid	11/25/2025	12:05					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3742 REMI01
Client Name : Remington & Vernick
Client Contact : Justin Zarzecki
Invoice Name : Remington & Vernick
Invoice Contact : Justin Zarzecki

Order Date : 12/1/2025 9:06:00 AM
Project Name : Saddler ~~Sadler~~ Property
Receive DateTime : 11/26/2025 6:20:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ Regular
EDD Type : ~~EXCEL NJCLEANUP~~ NJ Reduced
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-09	SB-1125-22	Solid	11/25/2025	12:45					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-10	SB-1125-2	Solid	11/25/2025	13:05					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-16	SB-1125-1	Solid	11/25/2025	14:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-17	SB-1125-25	Solid	11/25/2025	14:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days
Q3742-18	SB-1125-24	Solid	11/25/2025	15:05					
					VOC-TCLVOA-10	TCL+30/TAL	8260C		10 Bus. Days

Relinguished By : CP
Date / Time : 12/1/25 11:05

Received By : Sam
Date / Time : 12/01/25 11:05

Storage Area : VOA Refridgerator Room

Ngtt 6
Pg 2