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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:	Q3741	**OrderDate:**	11/26/2025 4:57:55 PM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	Building 50 Probe Investigation
Contact:	Roland Scardino	**Location:**	--Select--,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3741-01	**B50-SP3-111925**	**SOIL**			**11/19/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-02	**B50-SP13-112025**	**SOIL**			**11/20/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-03	**B50-SP14-112025**	**SOIL**			**11/20/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-04	**B50-SP9-112425**	**SOIL**			**11/24/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-04RE	**B50-SP9-112425RE**	**SOIL**			**11/24/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3741-05	**B50-SP11-112525**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-05RE	**B50-SP11-112525RE**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3741-06	**B50-SP4-112525**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/01/25	
Q3741-06RE	**B50-SP4-112525RE**	**SOIL**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260D			12/02/25	
Q3741-07	**TB-1**	**Water**			**11/25/25**			**11/26/25**
			VOC-TCLVOA-10	8260-Low			12/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3741

Client: Core Environmental Consultants and Services, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B50-SP13-112025**								
Q3741-02	B50-SP13-112025	SOIL	Acetone		5.90	J	5.30	28.2	ug/Kg
			Total Voc :		5.90				
			Total Concentration:		5.90				
Client ID:	**B50-SP14-112025**								
Q3741-03	B50-SP14-112025	SOIL	Acetone		18.3	J	5.80	30.5	ug/Kg
			Total Voc :		18.3				
			Total Concentration:		18.3				
Client ID:	**B50-SP9-112425**								
Q3741-04	B50-SP9-112425	SOIL	Acetone		13.2	J	4.90	26.0	ug/Kg
			Total Voc :		13.2				
			Total Concentration:		13.2				
Client ID:	**B50-SP11-112525**								
Q3741-05	B50-SP11-112525	SOIL	Acetone		24.7	J	5.90	30.9	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Methylcyclohexane		2.70	J	1.10	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Toluene		2.10	J	0.96	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Ethyl Benzene		2.50	J	0.83	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	m/p-Xylenes		11.4	J	1.50	12.4	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	o-Xylene		7.40		1.00	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Isopropylbenzene		1.30	J	0.96	6.20	ug/Kg
			Total Voc :		52.1				
Q3741-05	B50-SP11-112525	SOIL	Benzene, 1,2,3,4-tetramethyl-	*	20.9	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Benzene, 1,2,3-trimethyl-	*	20.8	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Benzene, 1-ethyl-3-methyl-	*	30.8	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Benzene, 1-ethyl-3,5-dimethyl-	*	31.8	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	28.4	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	20.2	J	0	0	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	n-propylbenzene	*	4.30	J	0.90	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	1,3,5-Trimethylbenzene	*	27.4	J	1.00	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	1,2,4-Trimethylbenzene	*	58.5	J	0.79	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	sec-Butylbenzene	*	1.70	J	0.82	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	p-Isopropyltoluene	*	1.30	J	0.77	6.20	ug/Kg
Q3741-05	B50-SP11-112525	SOIL	n-Butylbenzene	*	2.50	J	1.80	6.20	ug/Kg
			Total Tics :		249				
			Total Concentration:		301				
Client ID:	**B50-SP11-112525RE**								
Q3741-05RE	B50-SP11-112525R	SOIL	Acetone		18.8	J	4.80	25.3	ug/Kg
Q3741-05RE	B50-SP11-112525R	SOIL	Methylcyclohexane		1.90	J	0.92	5.10	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3741

Client: Core Environmental Consultants and Services, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3741-05RE	B50-SP11-112525R	SOIL	Toluene		2.10	J	0.79	5.10	ug/Kg
Q3741-05RE	B50-SP11-112525R	SOIL	Ethyl Benzene		3.70	J	0.68	5.10	ug/Kg
Q3741-05RE	B50-SP11-112525R	SOIL	m/p-Xylenes		18.6		1.30	10.1	ug/Kg
Q3741-05RE	B50-SP11-112525R	SOIL	o-Xylene		11.6		0.83	5.10	ug/Kg
Q3741-05RE	B50-SP11-112525R	SOIL	Isopropylbenzene		1.70	J	0.79	5.10	ug/Kg
			Total Voc :		58.4				
			Total Concentration:		58.4				
Client ID:	**B50-SP4-112525**								
Q3741-06	B50-SP4-112525	SOIL	Camphene	*	380	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	.alpha.-Pinene	*	1000	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	.gamma.-Terpinene	*	59.2	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	1,3-Cyclohexadiene, 1-methyl-4	*	110	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	.beta.-Pinene	*	220	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	Tricyclo[2.2.1.0(2,6)]heptane, 1	*	21.0	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	Cyclohexene, 1-methyl-4-(1-m	*	82.9	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	Cyclohexene, 5-methyl-3-(1-m	*	40.6	J	0	0	ug/Kg
Q3741-06	B50-SP4-112525	SOIL	p-Isopropyltoluene	*	64.7	J	0.60	4.80	ug/Kg
			Total Tics :		1980				
			Total Concentration:		1980				
Client ID:	**B50-SP4-112525RE**								
Q3741-06RE	B50-SP4-112525RE	SOIL	Acetone		23.7	J	5.50	28.8	ug/Kg
Q3741-06RE	B50-SP4-112525RE	SOIL	Isopropylbenzene		4.40	J	0.90	5.80	ug/Kg
			Total Voc :		28.1				
			Total Concentration:		28.1				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3741

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3741-01	B50-SP3-111925	1,2-Dichloroethane-d4	50	63.1	126		63	155
		Dibromofluoromethane	50	52.1	104		70	134
		Toluene-d8	50	50.2	100		74	123
		4-Bromofluorobenzene	50	43.0	86		52	138
Q3741-02	B50-SP13-112025	1,2-Dichloroethane-d4	50	61.0	122		63	155
		Dibromofluoromethane	50	52.7	105		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	40.1	80		52	138
Q3741-03	B50-SP14-112025	1,2-Dichloroethane-d4	50	64.0	128		63	155
		Dibromofluoromethane	50	39.4	79		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	39.1	78		52	138
Q3741-04	B50-SP9-112425	1,2-Dichloroethane-d4	50	68.2	136		63	155
		Dibromofluoromethane	50	24.6	49	*	70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	40.5	81		52	138
Q3741-04RE	B50-SP9-112425RE	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	42.3	85		70	134
		Toluene-d8	50	49.1	98		74	123
		4-Bromofluorobenzene	50	24.8	49	*	52	138
Q3741-05	B50-SP11-112525	1,2-Dichloroethane-d4	50	53.0	106		63	155
		Dibromofluoromethane	50	31.3	63	*	70	134
		Toluene-d8	50	50.2	100		74	123
		4-Bromofluorobenzene	50	35.5	71		52	138
Q3741-05RE	B50-SP11-112525RE	1,2-Dichloroethane-d4	50	60.1	120		63	155
		Dibromofluoromethane	50	29.5	59	*	70	134
		Toluene-d8	50	51.4	103		74	123
		4-Bromofluorobenzene	50	42.2	84		52	138
Q3741-06	B50-SP4-112525	1,2-Dichloroethane-d4	50	39.7	79		63	155
		Dibromofluoromethane	50	16.1	32	*	70	134
		Toluene-d8	50	46.9	94		74	123
		4-Bromofluorobenzene	50	34.1	68		52	138
Q3741-06RE	B50-SP4-112525RE	1,2-Dichloroethane-d4	50	45.1	90		63	155
		Dibromofluoromethane	50	35.2	70		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	32.5	65		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

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Surrogate Summary

SDG No.: Q3741

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VY1202SBL01	VY1202SBL01	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

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Surrogate Summary

SDG No.: Q3741

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3741-07	TB-1	1,2-Dichloroethane-d4	50	54.3	109		74	125
		Dibromofluoromethane	50	51.6	103		75	124
		Toluene-d8	50	50.4	101		86	113
		4-Bromofluorobenzene	50	54.5	109		77	121
VN1201WBL01	VN1201WBL01	1,2-Dichloroethane-d4	50	57.8	116		74	125
		Dibromofluoromethane	50	52.2	104		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	52.4	105		77	121
VN1201WBS01	VN1201WBS01	1,2-Dichloroethane-d4	50	56.0	112		74	125
		Dibromofluoromethane	50	55.1	110		75	124
		Toluene-d8	50	54.9	110		86	113
		4-Bromofluorobenzene	50	53.3	107		77	121
VN1201WBSD0	VN1201WBSD01	1,2-Dichloroethane-d4	50	52.2	104		74	125
		Dibromofluoromethane	50	52.3	105		75	124
		Toluene-d8	50	53.2	106		86	113
		4-Bromofluorobenzene	50	51.1	102		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3741 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and S **Datafile :** VN088373.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1201WBS01	Dichlorodifluoromethane	20	18.2	ug/L	91			69	116	
	Chloromethane	20	19.4	ug/L	97			65	116	
	Vinyl chloride	20	18.9	ug/L	95			65	117	
	Bromomethane	20	19.7	ug/L	99			58	125	
	Chloroethane	20	19.5	ug/L	98			56	128	
	Trichlorofluoromethane	20	18.6	ug/L	93			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			80	112	
	1,1-Dichloroethene	20	19.0	ug/L	95			74	110	
	Acetone	100	87.9	ug/L	88			60	125	
	Carbon disulfide	20	19.4	ug/L	97			64	112	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			78	114	
	Methyl Acetate	20	19.1	ug/L	96			57	150	
	Methylene Chloride	20	20.0	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	108	
	1,1-Dichloroethane	20	19.8	ug/L	99			78	112	
	Cyclohexane	20	17.9	ug/L	90			75	110	
	2-Butanone	100	96.0	ug/L	96			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			77	110	
	Bromochloromethane	20	19.3	ug/L	97			70	124	
	Chloroform	20	20.3	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			80	108	
	Methylcyclohexane	20	17.1	ug/L	86			72	115	
	Benzene	20	19.4	ug/L	97			82	109	
	1,2-Dichloroethane	20	19.6	ug/L	98			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Bromodichloromethane	20	19.5	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			79	110	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			83	112	
	2-Hexanone	100	93.5	ug/L	94			73	117	
	Dibromochloromethane	20	20.1	ug/L	101			82	110	
	1,2-Dibromoethane	20	20.6	ug/L	103			81	110	
	Tetrachloroethene	20	17.9	ug/L	90			67	123	
	Chlorobenzene	20	19.5	ug/L	98			82	109	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	37.0	ug/L	93			82	110	
	o-Xylene	20	18.3	ug/L	92			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	20.0	ug/L	100			79	109	
	Isopropylbenzene	20	18.6	ug/L	93			83	112	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3741 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and **Datafile :** VN088373.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1201WBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/L	91			68	112	
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			75	113	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3741 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and S **Datafile :** VN088374.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1201WBSD01	Dichlorodifluoromethane	20	18.9	ug/L	95	4		69	116	19
	Chloromethane	20	19.4	ug/L	97	0		65	116	21
	Vinyl chloride	20	18.7	ug/L	94	1		65	117	19
	Bromomethane	20	20.2	ug/L	101	2		58	125	30
	Chloroethane	20	19.3	ug/L	97	1		56	128	20
	Trichlorofluoromethane	20	18.7	ug/L	94	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93	0		80	112	20
	1,1-Dichloroethene	20	18.8	ug/L	94	1		74	110	20
	Acetone	100	87.0	ug/L	87	1		60	125	27
	Carbon disulfide	20	18.8	ug/L	94	3		64	112	17
	Methyl tert-butyl Ether	20	19.4	ug/L	97	3		78	114	20
	Methyl Acetate	20	19.0	ug/L	95	1		57	150	20
	Methylene Chloride	20	20.2	ug/L	101	1		72	114	20
	trans-1,2-Dichloroethene	20	19.6	ug/L	98	0		75	108	16
	1,1-Dichloroethane	20	19.1	ug/L	96	3		78	112	20
	Cyclohexane	20	18.5	ug/L	93	3		75	110	20
	2-Butanone	100	96.2	ug/L	96	0		65	122	26
	Carbon Tetrachloride	20	18.8	ug/L	94	2		77	113	15
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	4		77	110	20
	Bromochloromethane	20	18.5	ug/L	93	4		70	124	20
	Chloroform	20	19.6	ug/L	98	4		79	113	20
	1,1,1-Trichloroethane	20	19.0	ug/L	95	1		80	108	20
	Methylcyclohexane	20	18.5	ug/L	93	8		72	115	20
	Benzene	20	19.1	ug/L	96	1		82	109	15
	1,2-Dichloroethane	20	19.4	ug/L	97	1		80	115	20
	Trichloroethene	20	19.1	ug/L	96	2		77	113	15
	1,2-Dichloropropane	20	19.2	ug/L	96	3		83	111	21
	Bromodichloromethane	20	19.3	ug/L	97	1		83	110	21
	4-Methyl-2-Pentanone	100	98.5	ug/L	99	1		74	118	25
	Toluene	20	19.8	ug/L	99	1		82	110	16
	t-1,3-Dichloropropene	20	19.1	ug/L	96	4		79	110	20
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	3		82	110	16
	1,1,2-Trichloroethane	20	20.0	ug/L	100	1		83	112	20
	2-Hexanone	100	94.4	ug/L	94	0		73	117	25
	Dibromochloromethane	20	20.3	ug/L	102	1		82	110	20
	1,2-Dibromoethane	20	19.9	ug/L	100	3		81	110	20
	Tetrachloroethene	20	19.0	ug/L	95	5		67	123	15
	Chlorobenzene	20	19.8	ug/L	99	1		82	109	15
	Ethyl Benzene	20	18.9	ug/L	95	2		83	109	16
	m/p-Xylenes	40	37.8	ug/L	95	2		82	110	20
	o-Xylene	20	19.2	ug/L	96	4		83	109	20
	Styrene	20	19.4	ug/L	97	1		80	111	17
	Bromoform	20	20.1	ug/L	101	1		79	109	20
	Isopropylbenzene	20	19.3	ug/L	97	4		83	112	22
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	3		76	118	20
	1,3-Dichlorobenzene	20	19.5	ug/L	98	3		82	108	20
	1,4-Dichlorobenzene	20	19.0	ug/L	95	2		82	107	20
	1,2-Dichlorobenzene	20	19.0	ug/L	95	2		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3741 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and **Datafile :** VN088374.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1201WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	2		68	112	26
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90	3		75	113	21
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	4		76	114	22

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **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.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **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.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **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.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **Datafile :** VY023832.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	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.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **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.: Q3741 **Analytical Method:** SW8260D

Client: Core Environmental Consultants and S **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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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1201WBL01

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3741

Lab File ID: VN088372.D | Lab Sample ID: VN1201WBL01

Date Analyzed: 12/01/2025 | Time Analyzed: 10:53

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1201WBS01	VN1201WBS01	VN088373.D	12/01/2025
VN1201WBSD01	VN1201WBSD01	VN088374.D	12/01/2025
TB-1	Q3741-07	VN088376.D	12/01/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1201SBL01

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3741

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
B50-SP13-112025	Q3741-02	VY023837.D	12/01/2025
B50-SP14-112025	Q3741-03	VY023838.D	12/01/2025
B50-SP9-112425	Q3741-04	VY023839.D	12/01/2025
B50-SP11-112525	Q3741-05	VY023840.D	12/01/2025
B50-SP3-111925	Q3741-01	VY023841.D	12/01/2025
B50-SP4-112525	Q3741-06	VY023842.D	12/01/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1202SBL01

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3741

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
B50-SP9-112425RE	Q3741-04RE	VY023855.D	12/02/2025
B50-SP11-112525RE	Q3741-05RE	VY023856.D	12/02/2025
B50-SP4-112525RE	Q3741-06RE	VY023857.D	12/02/2025

COMMENTS:

Raw Data: **VN088343.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: CORE02
Lab Code: ACE
SDG NO.: Q3741
Lab File ID: VN088343.D
BFB Injection Date: 11/24/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:17
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	68.3 (96.4) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 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
VSTDICC001	VSTDICC001	VN088344.D	11/24/2025	12:38
VSTDICC005	VSTDICC005	VN088345.D	11/24/2025	13:11
VSTDICC020	VSTDICC020	VN088346.D	11/24/2025	13:32
VSTDICCC050	VSTDICCC050	VN088347.D	11/24/2025	13:53
VSTDICC100	VSTDICC100	VN088348.D	11/24/2025	14:14
VSTDICC150	VSTDICC150	VN088349.D	11/24/2025	14:35

Raw Data: **VN088369.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3741

Lab File ID: VN088369.D | BFB Injection Date: 12/01/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:49

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.7 (8) 1
176	95.0 - 101.0% of mass 174	68.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.2 (7.5) 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	VN088370.D	12/01/2025	09:58
VN1201WBL01	VN1201WBL01	VN088372.D	12/01/2025	10:53
VN1201WBS01	VN1201WBS01	VN088373.D	12/01/2025	11:27
VN1201WBSD01	VN1201WBSD01	VN088374.D	12/01/2025	12:10
TB-1	Q3741-07	VN088376.D	12/01/2025	12:51

Raw Data: **VY023808.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3741

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**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: CORE02
Lab Code: ACE
SDG NO.: Q3741
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
B50-SP13-112025	Q3741-02	VY023837.D	12/01/2025	12:49
B50-SP14-112025	Q3741-03	VY023838.D	12/01/2025	13:12
B50-SP9-112425	Q3741-04	VY023839.D	12/01/2025	13:36
B50-SP11-112525	Q3741-05	VY023840.D	12/01/2025	13:59
B50-SP3-111925	Q3741-01	VY023841.D	12/01/2025	14:23
B50-SP4-112525	Q3741-06	VY023842.D	12/01/2025	14:46

Raw Data: **VY023848.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: CORE02
Lab Code: ACE
SDG NO.: Q3741
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
B50-SP9-112425RE	Q3741-04RE	VY023855.D	12/02/2025	12:55
B50-SP11-112525RE	Q3741-05RE	VY023856.D	12/02/2025	13:18
B50-SP4-112525RE	Q3741-06RE	VY023857.D	12/02/2025	13:42

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: CORE02

Lab Code: ACE SDG NO.: Q3741

Lab File ID: VN088370.D Date Analyzed: 12/01/2025

Instrument ID: MSVOA_N Time Analyzed: 09:58

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	262500	8.20	457607	9.08	408098	11.84
UPPER LIMIT	525000	8.7	915214	9.582	816196	12.341
LOWER LIMIT	131250	7.7	228804	8.582	204049	11.341
EPA SAMPLE NO.						
TB-1	190816	8.21	417130	9.08	399475	11.84
VN1201WBL01	188076	8.20	435319	9.08	418422	11.84
VN1201WBS01	256678	8.21	487472	9.08	435019	11.84
VN1201WBSD01	257123	8.21	472668	9.08	413438	11.84

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: CORE02

Lab Code: ACE SDG NO.: Q3741

Lab File ID: VN088370.D Date Analyzed: 12/01/2025

Instrument ID: MSVOA_N Time Analyzed: 09:58

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

	IS4 AREA #	RT #				
12 HOUR STD	197460	13.765				
UPPER LIMIT	394920	14.265				
LOWER LIMIT	98730	13.265				
EPA SAMPLE NO.						
TB-1	192688	13.77				
VN1201WBL01	198799	13.77				
VN1201WBS01	207303	13.77				
VN1201WBSD01	196888	13.77				

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: CORE02

Lab Code: ACE SDG NO.: Q3741

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.									
B50-SP3-111925	649881		7.71	1225707		8.62	1028801		11.42
B50-SP13-112025	654972		7.71	1210700		8.62	990068		11.42
B50-SP14-112025	548000		7.71	1005981		8.62	813032		11.42
B50-SP9-112425	491424		7.71	929861		8.62	778289		11.42
B50-SP11-112525	153282	*	7.71	237639	*	8.62	180054	*	11.42
B50-SP4-112525	27791	*	7.71	36476	*	8.62	25342	*	11.42
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: CORE02

Lab Code: ACE SDG NO.: Q3741

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.							
B50-SP3-111925	402778		13.35				
B50-SP13-112025	344338		13.35				
B50-SP14-112025	286147		13.35				
B50-SP9-112425	274066		13.35				
B50-SP11-112525	60548	*	13.35				
B50-SP4-112525	6298	*	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.

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: CORE02

Lab Code: ACE SDG NO.: Q3741

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.									
B50-SP9-112425RE	25955	*	7.72	35095	*	8.62	25851	*	11.42
B50-SP11-112525RE	438040		7.71	779211		8.62	643605		11.42
B50-SP4-112525RE	84156	*	7.72	112665	*	8.62	83728	*	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.

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: CORE02

Lab Code: ACE SDG NO.: Q3741

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.							
B50-SP9-112425RE	4746	*	13.35				
B50-SP11-112525RE	232370		13.35				
B50-SP4-112525RE	24679	*	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.

SAMPLE DATA

Raw Data: **VY023841.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/19/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP3-111925	SDG No.:	Q3741
Lab Sample ID:	Q3741-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	91.6
Sample Wt/Vol:	6.36 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	0.98	U	1	0.98	4.30	ug/Kg	12/01/25 14:23	VY120125
74-87-3	Chloromethane	0.98	U	1	0.98	4.30	ug/Kg	12/01/25 14:23	VY120125
75-01-4	Vinyl Chloride	0.68	U	1	0.68	4.30	ug/Kg	12/01/25 14:23	VY120125
74-83-9	Bromomethane	0.92	U	1	0.92	4.30	ug/Kg	12/01/25 14:23	VY120125
75-00-3	Chloroethane	1.10	U	1	1.10	4.30	ug/Kg	12/01/25 14:23	VY120125
75-69-4	Trichlorofluoromethane	1.00	U	1	1.00	4.30	ug/Kg	12/01/25 14:23	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	1	0.91	4.30	ug/Kg	12/01/25 14:23	VY120125
75-35-4	1,1-Dichloroethene	0.86	U	1	0.86	4.30	ug/Kg	12/01/25 14:23	VY120125
67-64-1	Acetone	4.10	U	1	4.10	21.5	ug/Kg	12/01/25 14:23	VY120125
75-15-0	Carbon Disulfide	0.91	U	1	0.91	4.30	ug/Kg	12/01/25 14:23	VY120125
1634-04-4	Methyl tert-butyl Ether	0.63	U	1	0.63	4.30	ug/Kg	12/01/25 14:23	VY120125
79-20-9	Methyl Acetate	1.30	U	1	1.30	4.30	ug/Kg	12/01/25 14:23	VY120125
75-09-2	Methylene Chloride	3.00	U	1	3.00	8.60	ug/Kg	12/01/25 14:23	VY120125
156-60-5	trans-1,2-Dichloroethene	0.74	U	1	0.74	4.30	ug/Kg	12/01/25 14:23	VY120125
75-34-3	1,1-Dichloroethane	0.69	U	1	0.69	4.30	ug/Kg	12/01/25 14:23	VY120125
110-82-7	Cyclohexane	0.68	U	1	0.68	4.30	ug/Kg	12/01/25 14:23	VY120125
78-93-3	2-Butanone	5.60	U	1	5.60	21.5	ug/Kg	12/01/25 14:23	VY120125
56-23-5	Carbon Tetrachloride	0.83	U	1	0.83	4.30	ug/Kg	12/01/25 14:23	VY120125
156-59-2	cis-1,2-Dichloroethene	0.64	U	1	0.64	4.30	ug/Kg	12/01/25 14:23	VY120125
74-97-5	Bromochloromethane	0.99	U	1	0.99	4.30	ug/Kg	12/01/25 14:23	VY120125
67-66-3	Chloroform	0.72	U	1	0.72	4.30	ug/Kg	12/01/25 14:23	VY120125
71-55-6	1,1,1-Trichloroethane	0.80	U	1	0.80	4.30	ug/Kg	12/01/25 14:23	VY120125
108-87-2	Methylcyclohexane	0.78	U	1	0.78	4.30	ug/Kg	12/01/25 14:23	VY120125
71-43-2	Benzene	0.68	U	1	0.68	4.30	ug/Kg	12/01/25 14:23	VY120125
107-06-2	1,2-Dichloroethane	0.68	U	1	0.68	4.30	ug/Kg	12/01/25 14:23	VY120125
79-01-6	Trichloroethene	0.70	U	1	0.70	4.30	ug/Kg	12/01/25 14:23	VY120125
78-87-5	1,2-Dichloropropane	0.78	U	1	0.78	4.30	ug/Kg	12/01/25 14:23	VY120125
75-27-4	Bromodichloromethane	0.67	U	1	0.67	4.30	ug/Kg	12/01/25 14:23	VY120125
108-10-1	4-Methyl-2-Pentanone	3.10	U	1	3.10	21.5	ug/Kg	12/01/25 14:23	VY120125
108-88-3	Toluene	0.67	U	1	0.67	4.30	ug/Kg	12/01/25 14:23	VY120125
10061-02-6	t-1,3-Dichloropropene	0.56	U	1	0.56	4.30	ug/Kg	12/01/25 14:23	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.53	U	1	0.53	4.30	ug/Kg	12/01/25 14:23	VY120125
79-00-5	1,1,2-Trichloroethane	0.79	U	1	0.79	4.30	ug/Kg	12/01/25 14:23	VY120125
591-78-6	2-Hexanone	3.20	U	1	3.20	21.5	ug/Kg	12/01/25 14:23	VY120125
124-48-1	Dibromochloromethane	0.75	U	1	0.75	4.30	ug/Kg	12/01/25 14:23	VY120125
106-93-4	1,2-Dibromoethane	0.76	U	1	0.76	4.30	ug/Kg	12/01/25 14:23	VY120125
127-18-4	Tetrachloroethene	0.90	U	1	0.90	4.30	ug/Kg	12/01/25 14:23	VY120125
108-90-7	Chlorobenzene	0.78	U	1	0.78	4.30	ug/Kg	12/01/25 14:23	VY120125
100-41-4	Ethyl Benzene	0.58	U	1	0.58	4.30	ug/Kg	12/01/25 14:23	VY120125
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	8.60	ug/Kg	12/01/25 14:23	VY120125
95-47-6	o-Xylene	0.70	U	1	0.70	4.30	ug/Kg	12/01/25 14:23	VY120125
100-42-5	Styrene	0.61	U	1	0.61	4.30	ug/Kg	12/01/25 14:23	VY120125
75-25-2	Bromoform	0.74	U	1	0.74	4.30	ug/Kg	12/01/25 14:23	VY120125

Raw Data: **VY023841.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/19/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP3-111925	SDG No.:	Q3741
Lab Sample ID:	Q3741-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	91.6
Sample Wt/Vol:	6.36 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	0.67	U	1	0.67	4.30	ug/Kg	12/01/25 14:23	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	1.00	4.30	ug/Kg	12/01/25 14:23	VY120125
541-73-1	1,3-Dichlorobenzene	1.50	U	1	1.50	4.30	ug/Kg	12/01/25 14:23	VY120125
106-46-7	1,4-Dichlorobenzene	1.30	U	1	1.30	4.30	ug/Kg	12/01/25 14:23	VY120125
95-50-1	1,2-Dichlorobenzene	1.20	U	1	1.20	4.30	ug/Kg	12/01/25 14:23	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1	1.60	4.30	ug/Kg	12/01/25 14:23	VY120125
120-82-1	1,2,4-Trichlorobenzene	2.50	U	1	2.50	4.30	ug/Kg	12/01/25 14:23	VY120125
87-61-6	1,2,3-Trichlorobenzene	2.70	U	1	2.70	4.30	ug/Kg	12/01/25 14:23	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.1			63 - 155	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.1			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.0			52 - 138	86%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	650000							
540-36-3	1,4-Difluorobenzene	1230000							
3114-55-4	Chlorobenzene-d5	1030000							
3855-82-1	1,4-Dichlorobenzene-d4	403000							

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 : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Quant Time: Dec 02 03:17:37 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	649881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1225707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1028801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	402778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	399486	63.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.240%			
35) Dibromofluoromethane	7.634	113	378119	52.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.160%			
50) Toluene-d8	10.109	98	1448230	50.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.408	95	407988	42.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.980%			

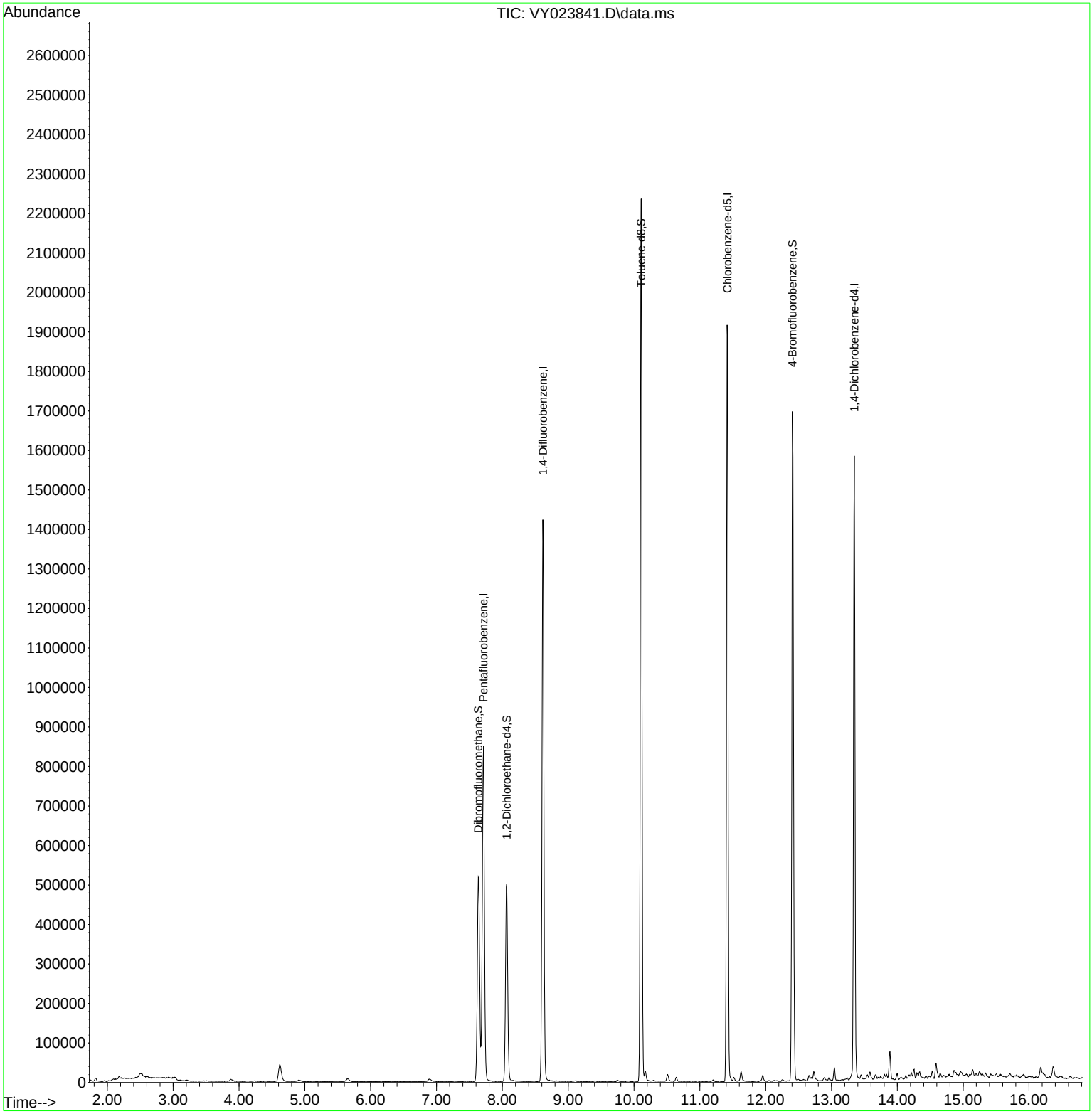
Target Compounds Qvalue

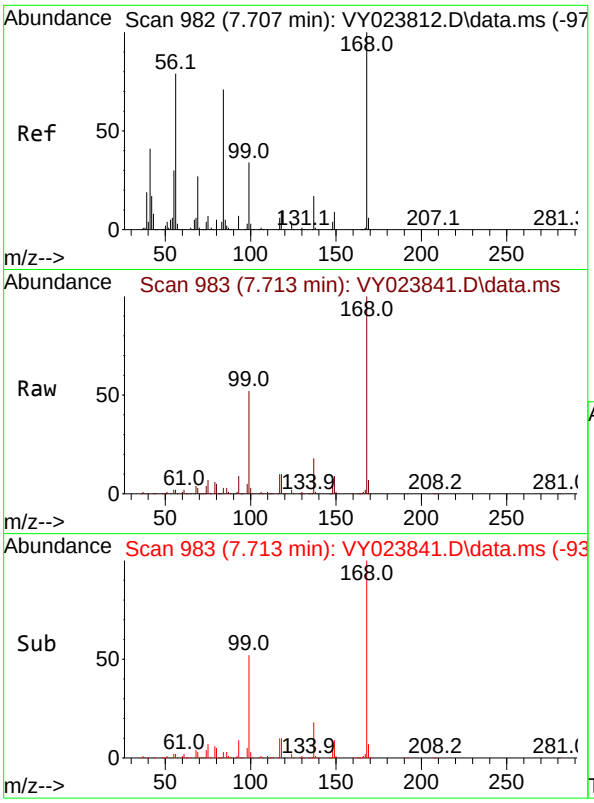
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Quant Time: Dec 02 03:17:37 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



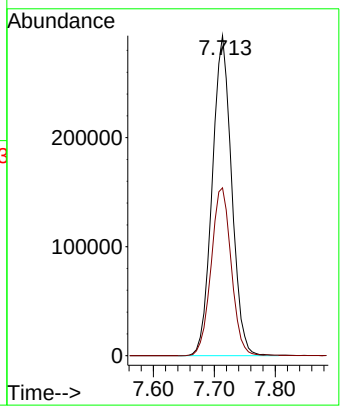


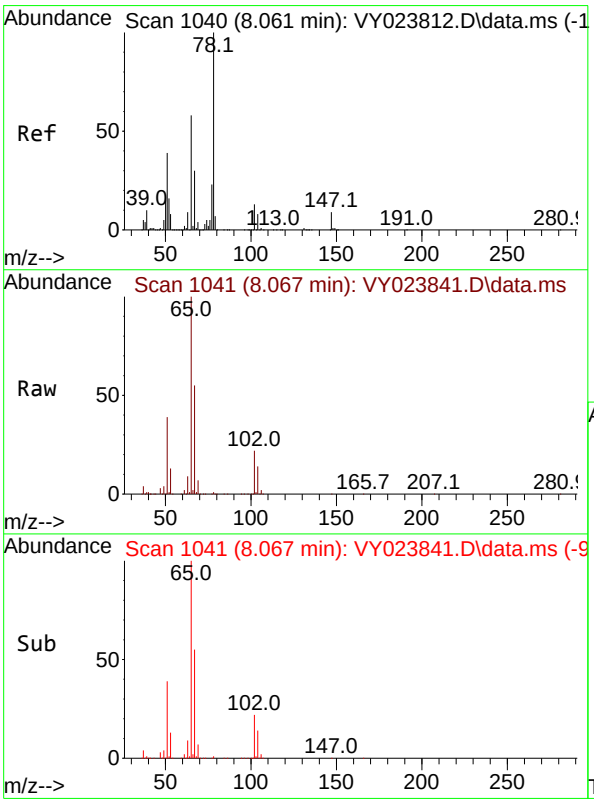
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Tgt Ion:168 Resp: 649881

Ion	Ratio	Lower	Upper
168	100		
99	52.5	44.0	66.0

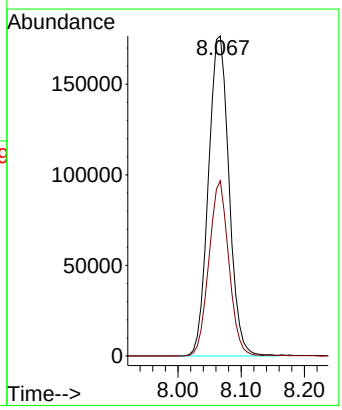


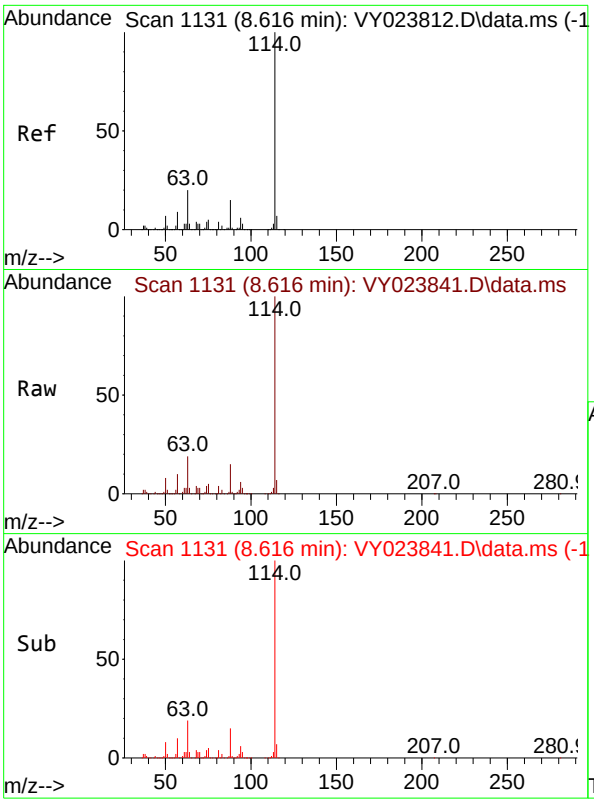


#33
1,2-Dichloroethane-d4
Concen: 63.121 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion: 65 Resp: 399486

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



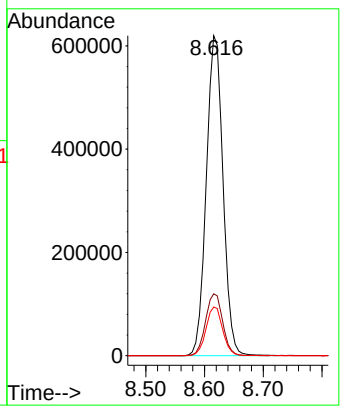


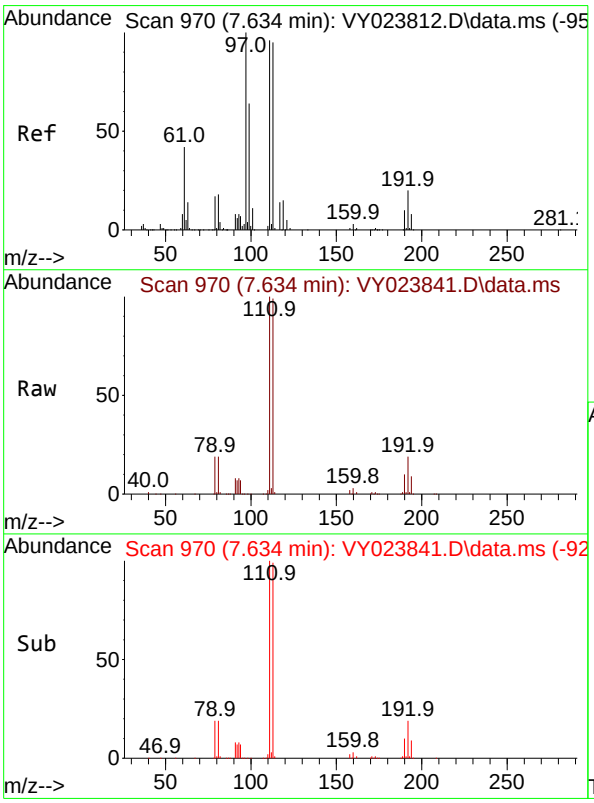
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Tgt Ion:114 Resp: 1225707

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.2	0.0	30.8

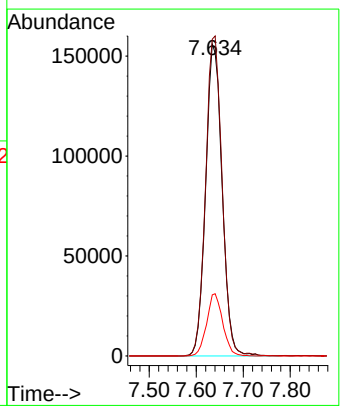


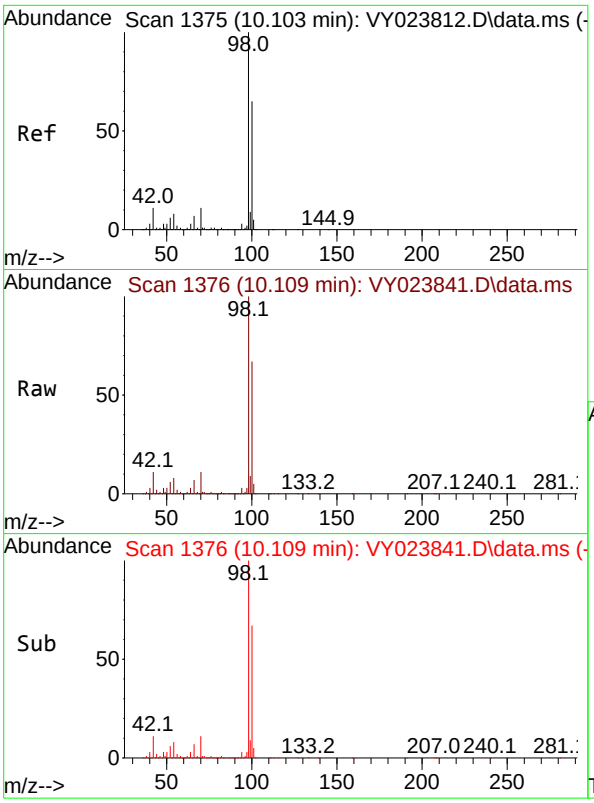


#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion:113 Resp: 378119

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	19.6	15.8	23.8



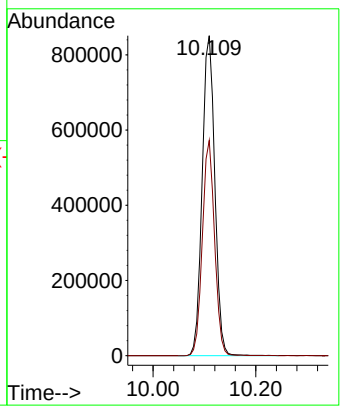


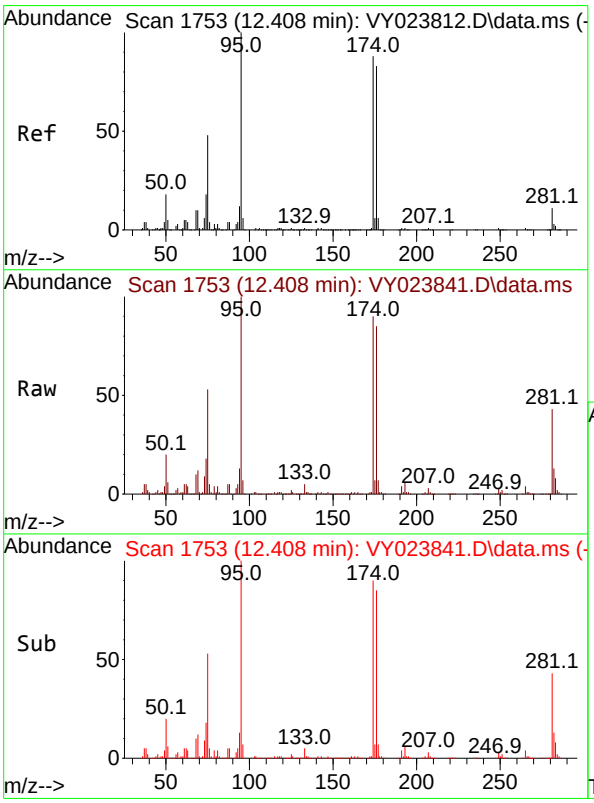
#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Tgt Ion: 98 Resp: 1448230

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9

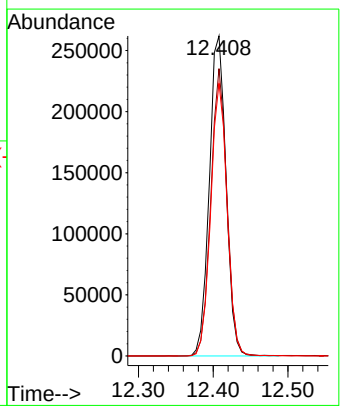


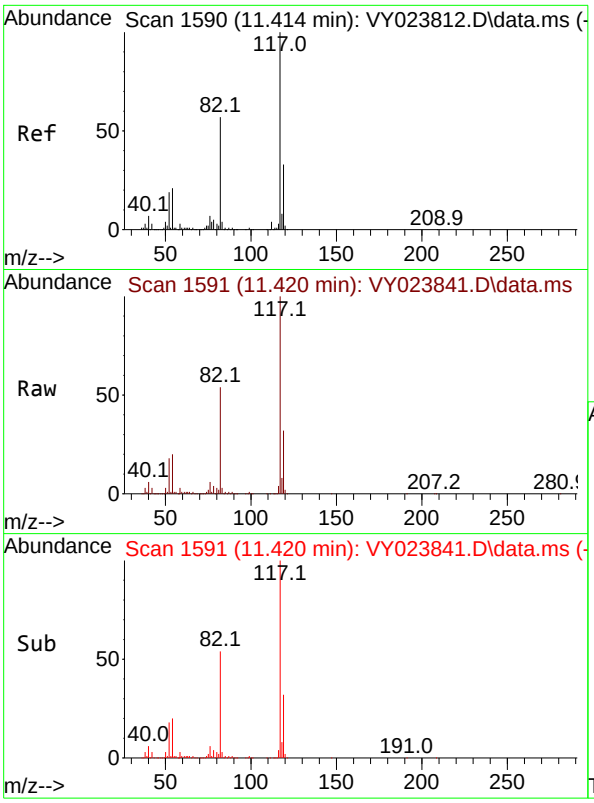


#62
4-Bromofluorobenzene
Concen: 42.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion: 95 Resp: 407988

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	168.6
176	83.2	0.0	164.6



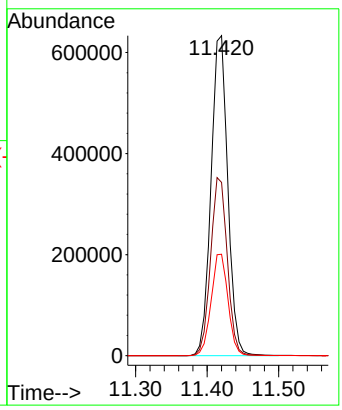


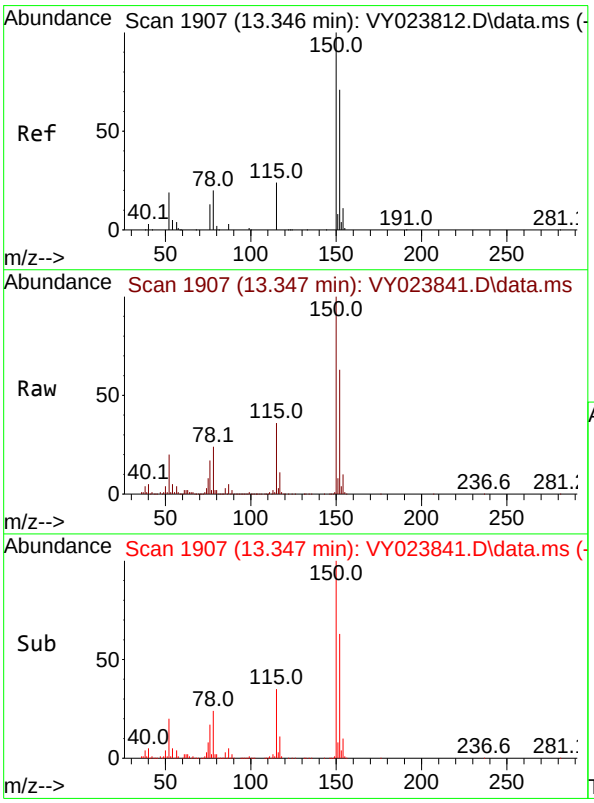
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Tgt Ion:117 Resp: 1028801

Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.4	68.0
119	31.7	26.0	39.0

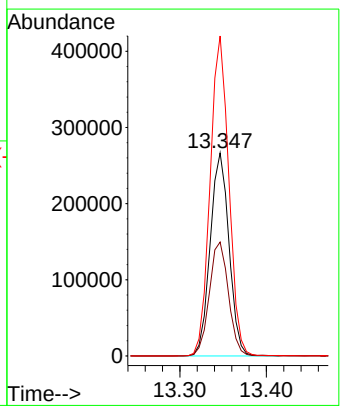




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion:152 Resp: 402778

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.7	86.3
150	156.4	0.0	345.6



Sample Results: **VY023841.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

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: VY023841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	461	475	488	rBV2	42486	138749	3.65%	0.686%
2	7.634	960	970	976	rBV	516742	1238831	32.59%	6.126%
3	7.713	976	983	1001	rVB	847939	1913978	50.35%	9.465%
4	8.067	1029	1041	1055	rBV	501060	1137914	29.93%	5.627%
5	8.616	1122	1131	1146	rBV	1422897	2816817	74.10%	13.929%
6	10.109	1368	1376	1383	rBV	2234448	3801497	100.00%	18.799%
7	10.170	1383	1386	1398	rVB	24853	50081	1.32%	0.248%
8	11.414	1582	1590	1603	rBV	1915673	3147230	82.79%	15.563%
9	11.627	1617	1625	1637	rVB	24467	49301	1.30%	0.244%
10	12.408	1744	1753	1764	rBV2	1695201	3028220	79.66%	14.975%
11	12.731	1802	1806	1818	rVB6	23235	47513	1.25%	0.235%
12	13.042	1852	1857	1864	rBV	33250	51147	1.35%	0.253%
13	13.347	1893	1907	1920	rBV	1580195	2466370	64.88%	12.196%
14	13.889	1990	1996	2001	rVB2	69440	118005	3.10%	0.584%
15	14.584	2106	2110	2118	rBV3	38757	78526	2.07%	0.388%
16	16.175	2365	2371	2380	rBV3	24365	67096	1.76%	0.332%
17	16.364	2396	2402	2415	rVB2	28249	70907	1.87%	0.351%

Sum of corrected areas: 20222182

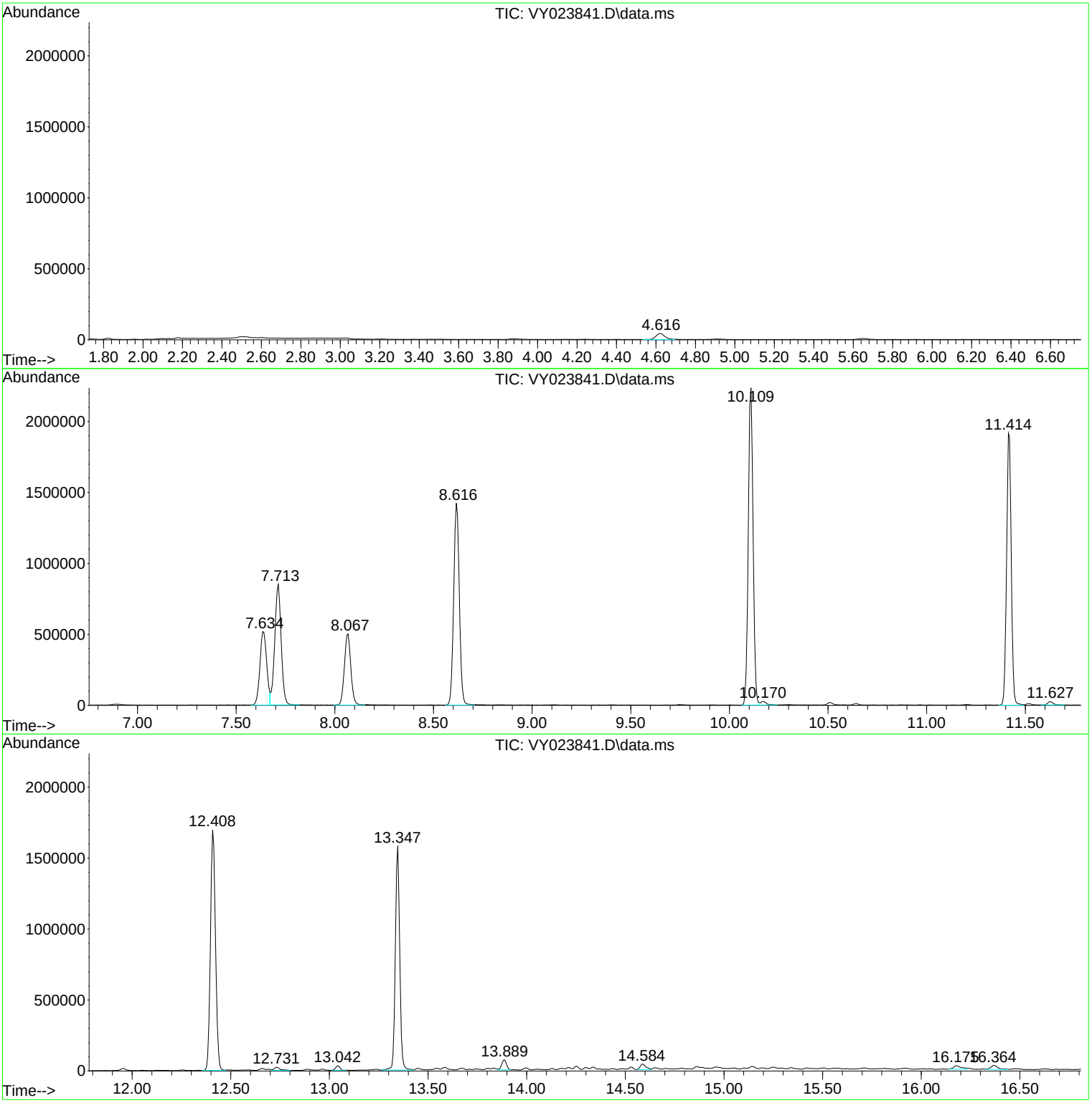
Sample Results: **VY023841.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

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: **VY023841.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

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 : VY023841.D
Acq On : 01 Dec 2025 14:23
Operator : SY/MD
Sample : Q3741-01
Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

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: **VY023837.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/20/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP13-112025	SDG No.:	Q3741
Lab Sample ID:	Q3741-02	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	86.4
Sample Wt/Vol:	5.13 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	1.30	U	1	1.30	5.60	ug/Kg	12/01/25 12:49	VY120125
74-87-3	Chloromethane	1.30	U	1	1.30	5.60	ug/Kg	12/01/25 12:49	VY120125
75-01-4	Vinyl Chloride	0.89	U	1	0.89	5.60	ug/Kg	12/01/25 12:49	VY120125
74-83-9	Bromomethane	1.20	U	1	1.20	5.60	ug/Kg	12/01/25 12:49	VY120125
75-00-3	Chloroethane	1.40	U	1	1.40	5.60	ug/Kg	12/01/25 12:49	VY120125
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.60	ug/Kg	12/01/25 12:49	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.60	ug/Kg	12/01/25 12:49	VY120125
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.60	ug/Kg	12/01/25 12:49	VY120125
67-64-1	Acetone	5.90	J	1	5.30	28.2	ug/Kg	12/01/25 12:49	VY120125
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.60	ug/Kg	12/01/25 12:49	VY120125
1634-04-4	Methyl tert-butyl Ether	0.82	U	1	0.82	5.60	ug/Kg	12/01/25 12:49	VY120125
79-20-9	Methyl Acetate	1.70	U	1	1.70	5.60	ug/Kg	12/01/25 12:49	VY120125
75-09-2	Methylene Chloride	4.00	U	1	4.00	11.3	ug/Kg	12/01/25 12:49	VY120125
156-60-5	trans-1,2-Dichloroethene	0.97	U	1	0.97	5.60	ug/Kg	12/01/25 12:49	VY120125
75-34-3	1,1-Dichloroethane	0.90	U	1	0.90	5.60	ug/Kg	12/01/25 12:49	VY120125
110-82-7	Cyclohexane	0.89	U	1	0.89	5.60	ug/Kg	12/01/25 12:49	VY120125
78-93-3	2-Butanone	7.40	U	1	7.40	28.2	ug/Kg	12/01/25 12:49	VY120125
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.60	ug/Kg	12/01/25 12:49	VY120125
156-59-2	cis-1,2-Dichloroethene	0.85	U	1	0.85	5.60	ug/Kg	12/01/25 12:49	VY120125
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.60	ug/Kg	12/01/25 12:49	VY120125
67-66-3	Chloroform	0.95	U	1	0.95	5.60	ug/Kg	12/01/25 12:49	VY120125
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	12/01/25 12:49	VY120125
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.60	ug/Kg	12/01/25 12:49	VY120125
71-43-2	Benzene	0.89	U	1	0.89	5.60	ug/Kg	12/01/25 12:49	VY120125
107-06-2	1,2-Dichloroethane	0.89	U	1	0.89	5.60	ug/Kg	12/01/25 12:49	VY120125
79-01-6	Trichloroethene	0.91	U	1	0.91	5.60	ug/Kg	12/01/25 12:49	VY120125
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.60	ug/Kg	12/01/25 12:49	VY120125
75-27-4	Bromodichloromethane	0.88	U	1	0.88	5.60	ug/Kg	12/01/25 12:49	VY120125
108-10-1	4-Methyl-2-Pentanone	4.00	U	1	4.00	28.2	ug/Kg	12/01/25 12:49	VY120125
108-88-3	Toluene	0.88	U	1	0.88	5.60	ug/Kg	12/01/25 12:49	VY120125
10061-02-6	t-1,3-Dichloropropene	0.73	U	1	0.73	5.60	ug/Kg	12/01/25 12:49	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.70	U	1	0.70	5.60	ug/Kg	12/01/25 12:49	VY120125
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	12/01/25 12:49	VY120125
591-78-6	2-Hexanone	4.20	U	1	4.20	28.2	ug/Kg	12/01/25 12:49	VY120125
124-48-1	Dibromochloromethane	0.98	U	1	0.98	5.60	ug/Kg	12/01/25 12:49	VY120125
106-93-4	1,2-Dibromoethane	0.99	U	1	0.99	5.60	ug/Kg	12/01/25 12:49	VY120125
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.60	ug/Kg	12/01/25 12:49	VY120125
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.60	ug/Kg	12/01/25 12:49	VY120125
100-41-4	Ethyl Benzene	0.76	U	1	0.76	5.60	ug/Kg	12/01/25 12:49	VY120125
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.3	ug/Kg	12/01/25 12:49	VY120125
95-47-6	o-Xylene	0.93	U	1	0.93	5.60	ug/Kg	12/01/25 12:49	VY120125
100-42-5	Styrene	0.80	U	1	0.80	5.60	ug/Kg	12/01/25 12:49	VY120125
75-25-2	Bromoform	0.97	U	1	0.97	5.60	ug/Kg	12/01/25 12:49	VY120125

Raw Data: **VY023837.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/20/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP13-112025	SDG No.:	Q3741
Lab Sample ID:	Q3741-02	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	86.4
Sample Wt/Vol:	5.13 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	0.88	U	1	0.88	5.60	ug/Kg	12/01/25 12:49	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.60	ug/Kg	12/01/25 12:49	VY120125
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.60	ug/Kg	12/01/25 12:49	VY120125
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.60	ug/Kg	12/01/25 12:49	VY120125
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.60	ug/Kg	12/01/25 12:49	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.60	ug/Kg	12/01/25 12:49	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.40	U	1	3.40	5.60	ug/Kg	12/01/25 12:49	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.60	U	1	3.60	5.60	ug/Kg	12/01/25 12:49	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.0			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.7			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	50.5			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.1			52 - 138	80%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	655000							
540-36-3	1,4-Difluorobenzene	1210000							
3114-55-4	Chlorobenzene-d5	990000							
3855-82-1	1,4-Dichlorobenzene-d4	344000							

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 : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Quant Time: Dec 02 03:16:06 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

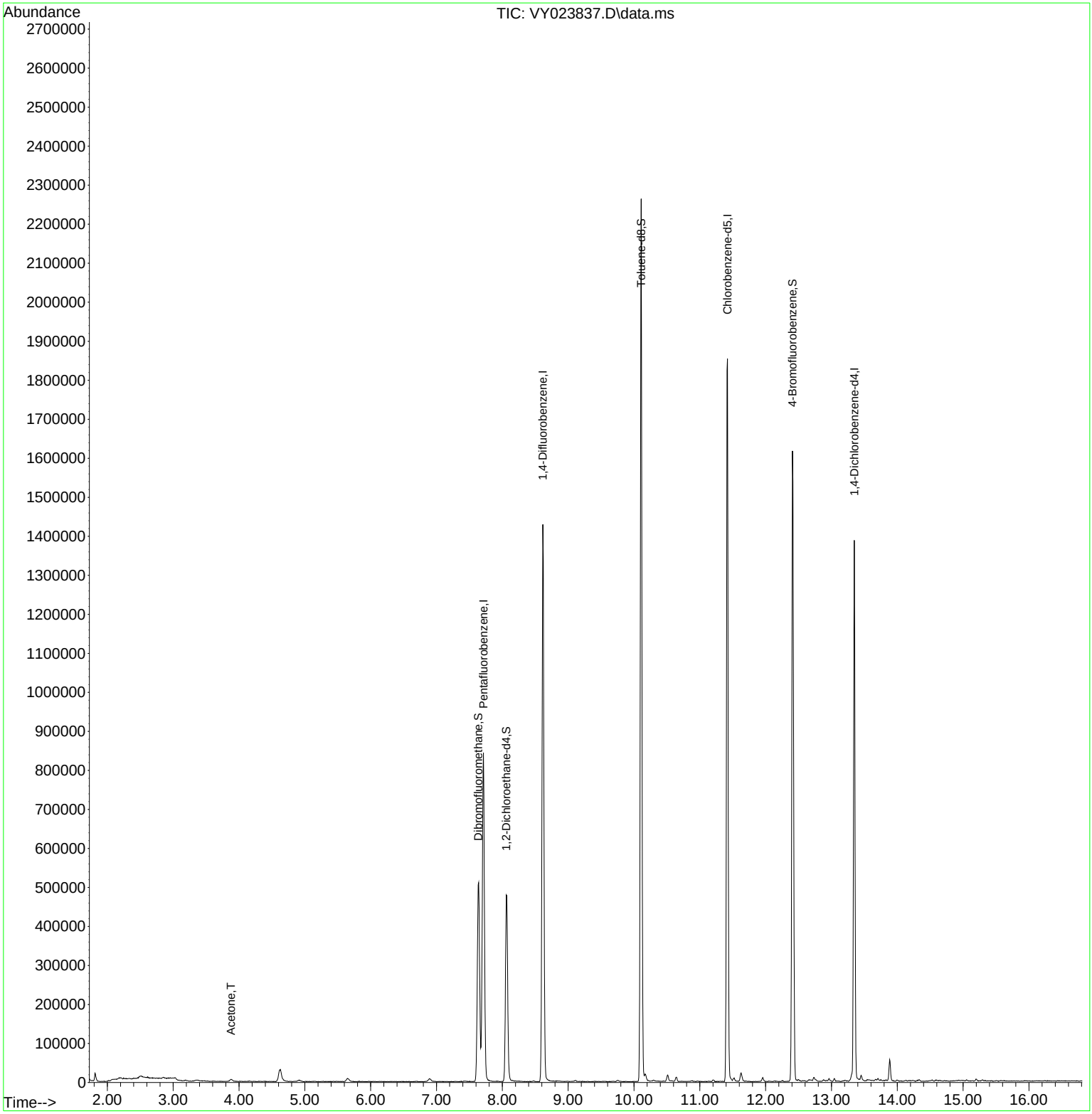
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	654972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1210700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	990068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	389203	61.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.040%			
35) Dibromofluoromethane	7.634	113	378036	52.710	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	1437246	50.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.408	95	376091	40.124	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.240%			
Target Compounds						Qvalue
16) Acetone	3.879	43	9683	5.269	ug/l	95

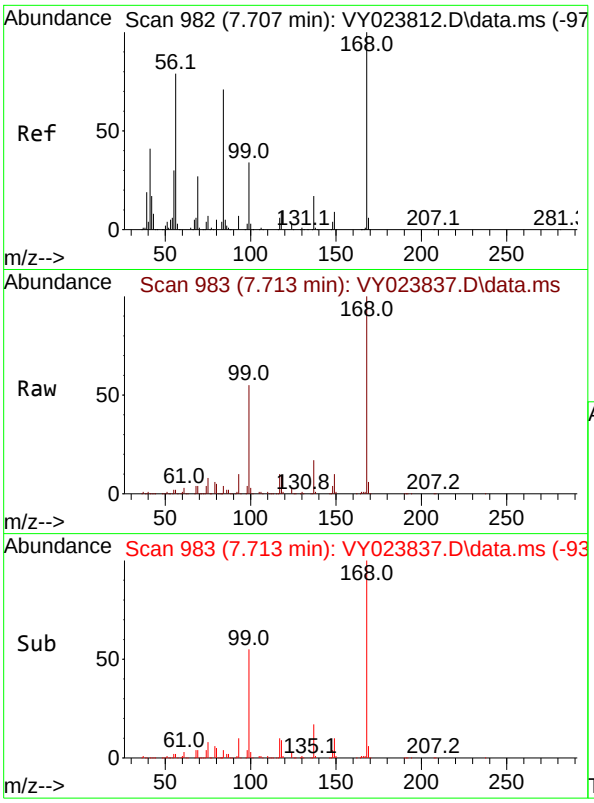
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Quant Time: Dec 02 03:16:06 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



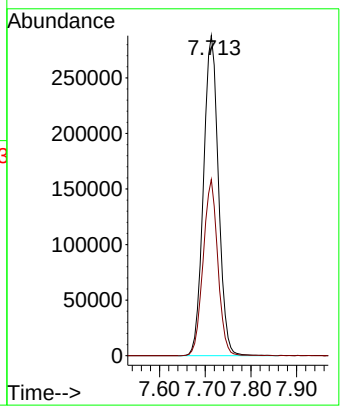


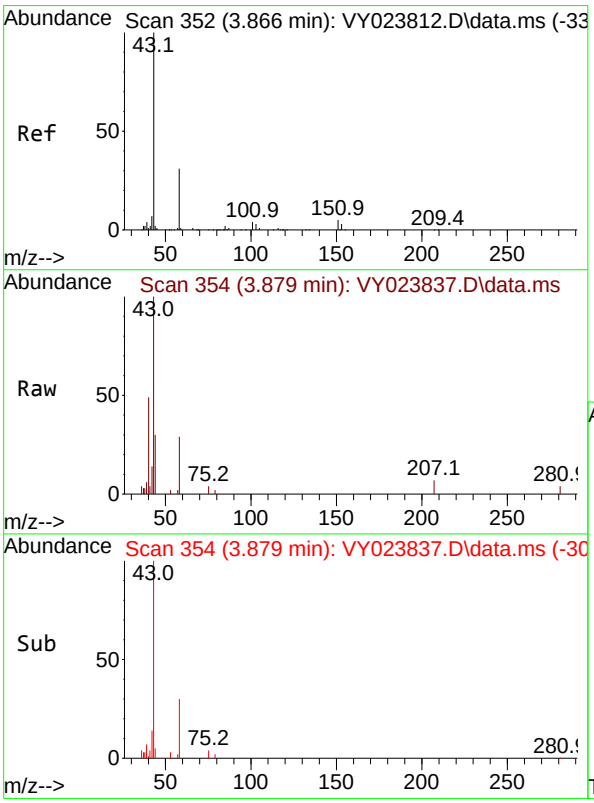
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Tgt Ion:168 Resp: 654972

Ion	Ratio	Lower	Upper
168	100		
99	55.0	44.0	66.0

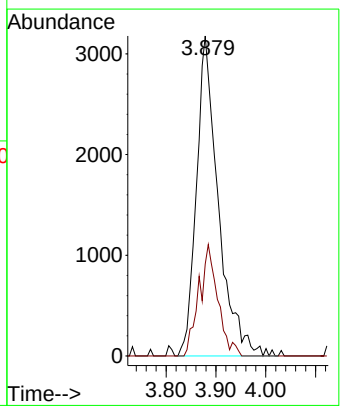


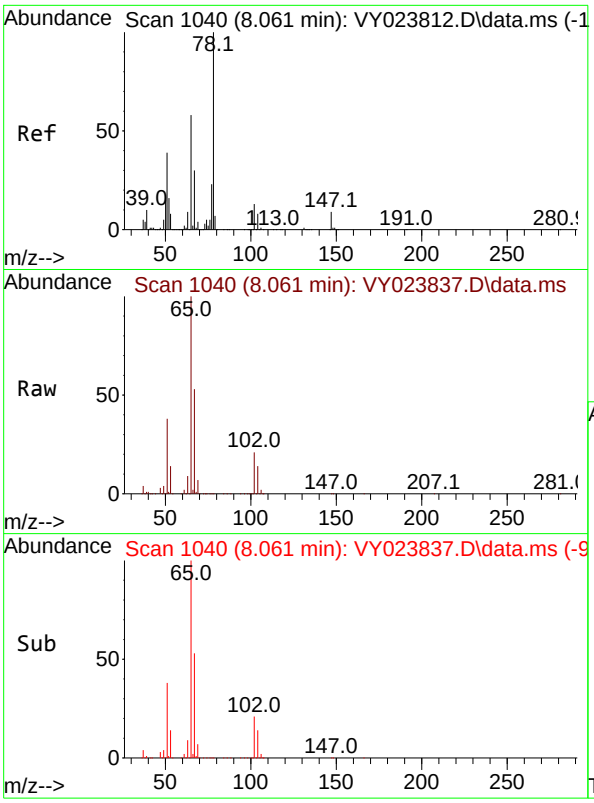


#16
Acetone
Concen: 5.269 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion: 43 Resp: 9683

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.4	38.2



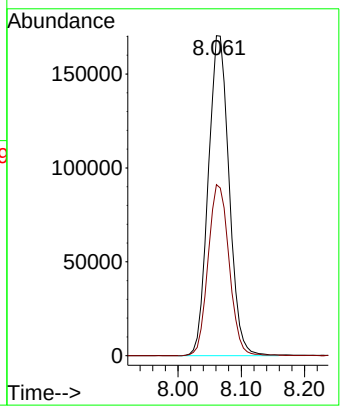


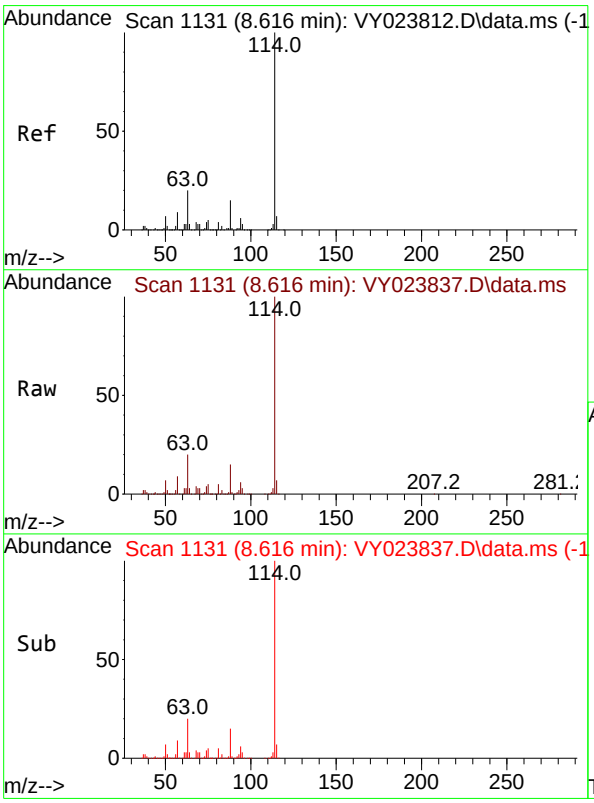
#33
1,2-Dichloroethane-d4
Concen: 61.019 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Tgt Ion: 65 Resp: 389203

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.4

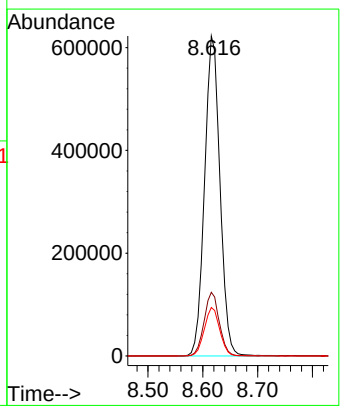


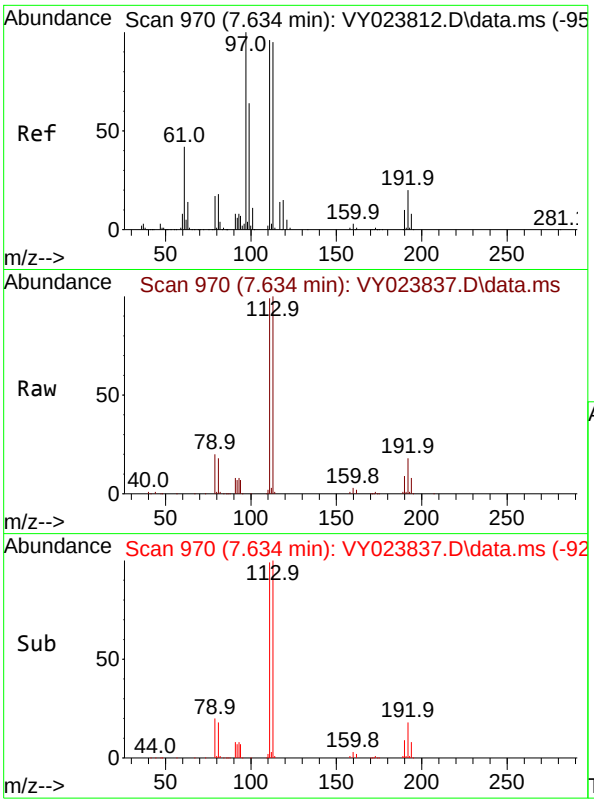


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion:114 Resp: 1210700

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.4
88	15.2	0.0	30.8



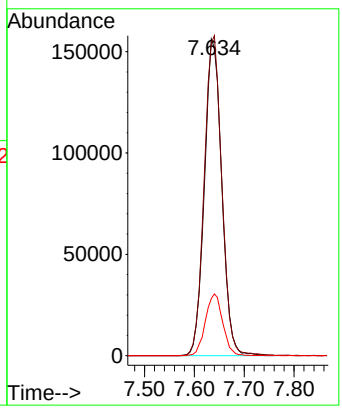


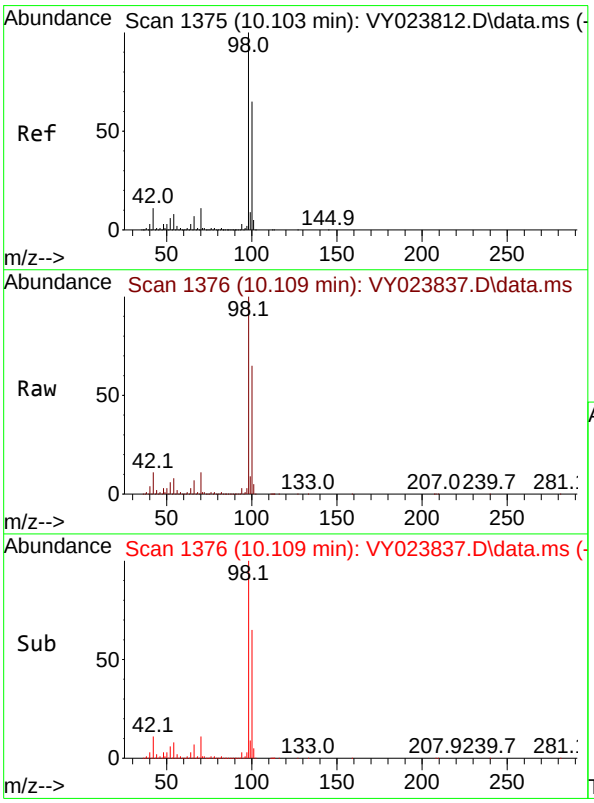
#35
Dibromofluoromethane
Concen: 52.710 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Tgt Ion:113 Resp: 378036

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	19.5	15.8	23.8

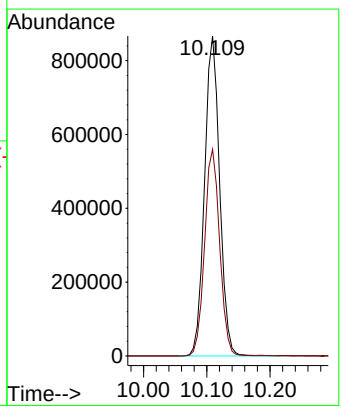


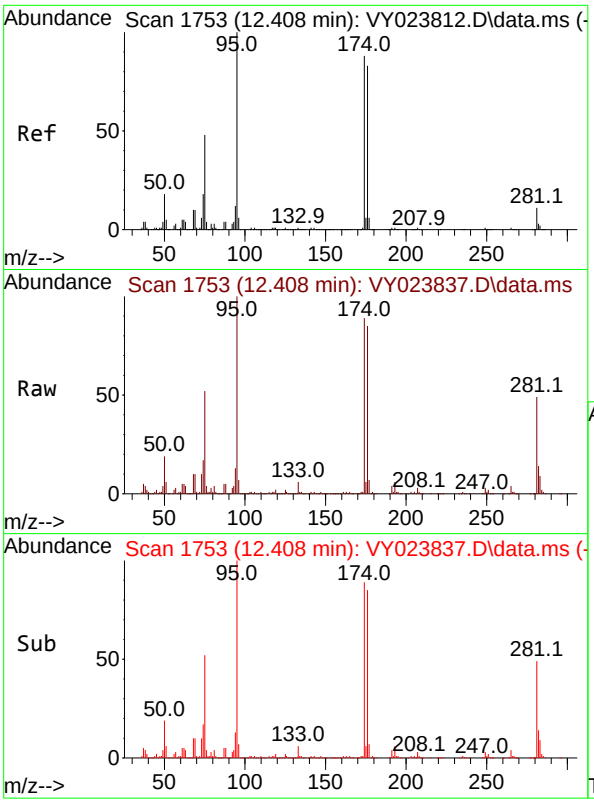


#50
Toluene-d8
Concen: 50.452 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion: 98 Resp: 1437246

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9



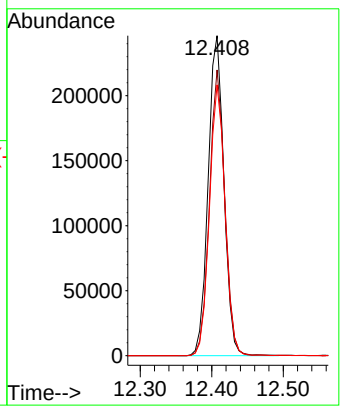


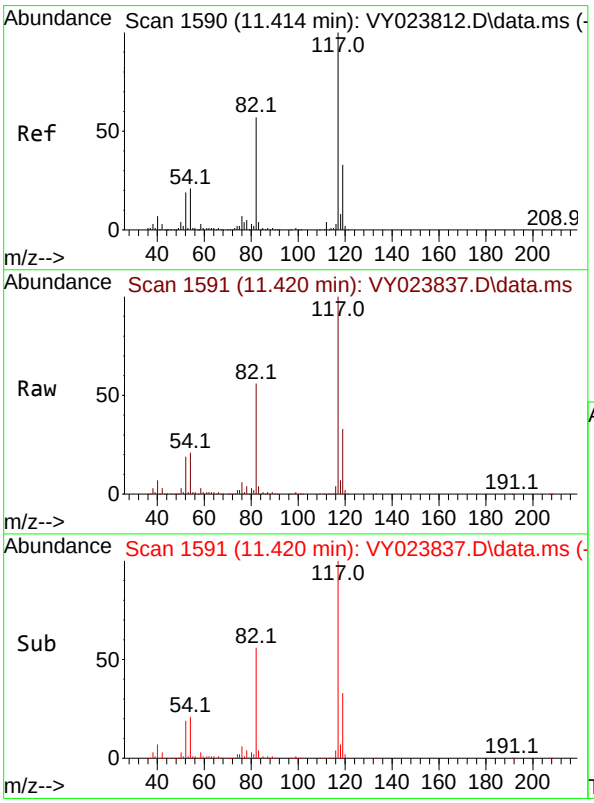
#62
4-Bromofluorobenzene
Concen: 40.124 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Tgt Ion: 95 Resp: 376091

Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	168.6
176	83.7	0.0	164.6

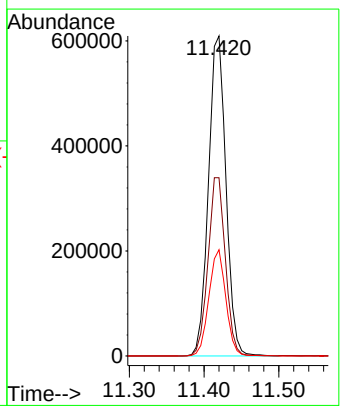


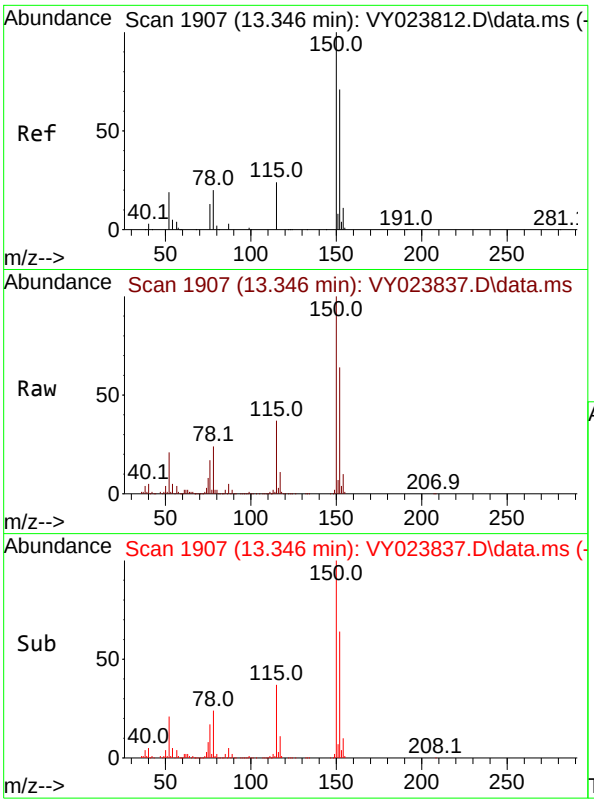


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion:117 Resp: 990068

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.0
119	33.2	26.0	39.0



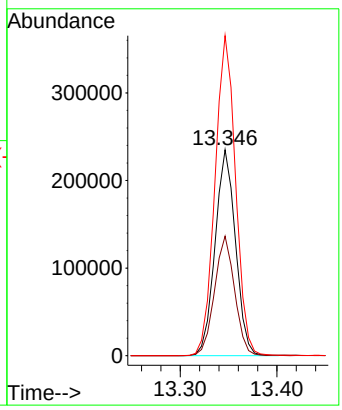


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

Tgt Ion:152 Resp: 344338

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



Sample Results: **VY023837.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

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: VY023837.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	465	477	491	rBV4	31259	109339	2.90%	0.571%
2	7.640	959	971	976	rBV2	510102	1235557	32.76%	6.447%
3	7.713	976	983	1003	rVB	842245	1919638	50.90%	10.016%
4	8.061	1031	1040	1054	rBV	478795	1113954	29.54%	5.812%
5	8.616	1122	1131	1146	rBV	1428077	2775097	73.59%	14.480%
6	10.109	1368	1376	1384	rBV	2262130	3771176	100.00%	19.677%
7	11.420	1583	1591	1603	rBV	1852522	3028203	80.30%	15.801%
8	11.627	1618	1625	1634	rBV	21599	43650	1.16%	0.228%
9	12.408	1744	1753	1766	rBV2	1615712	2983216	79.11%	15.566%
10	13.346	1892	1907	1915	rBV	1386644	2096980	55.61%	10.942%
11	13.883	1990	1995	2003	rVB2	54112	88309	2.34%	0.461%

Sum of corrected areas: 19165119

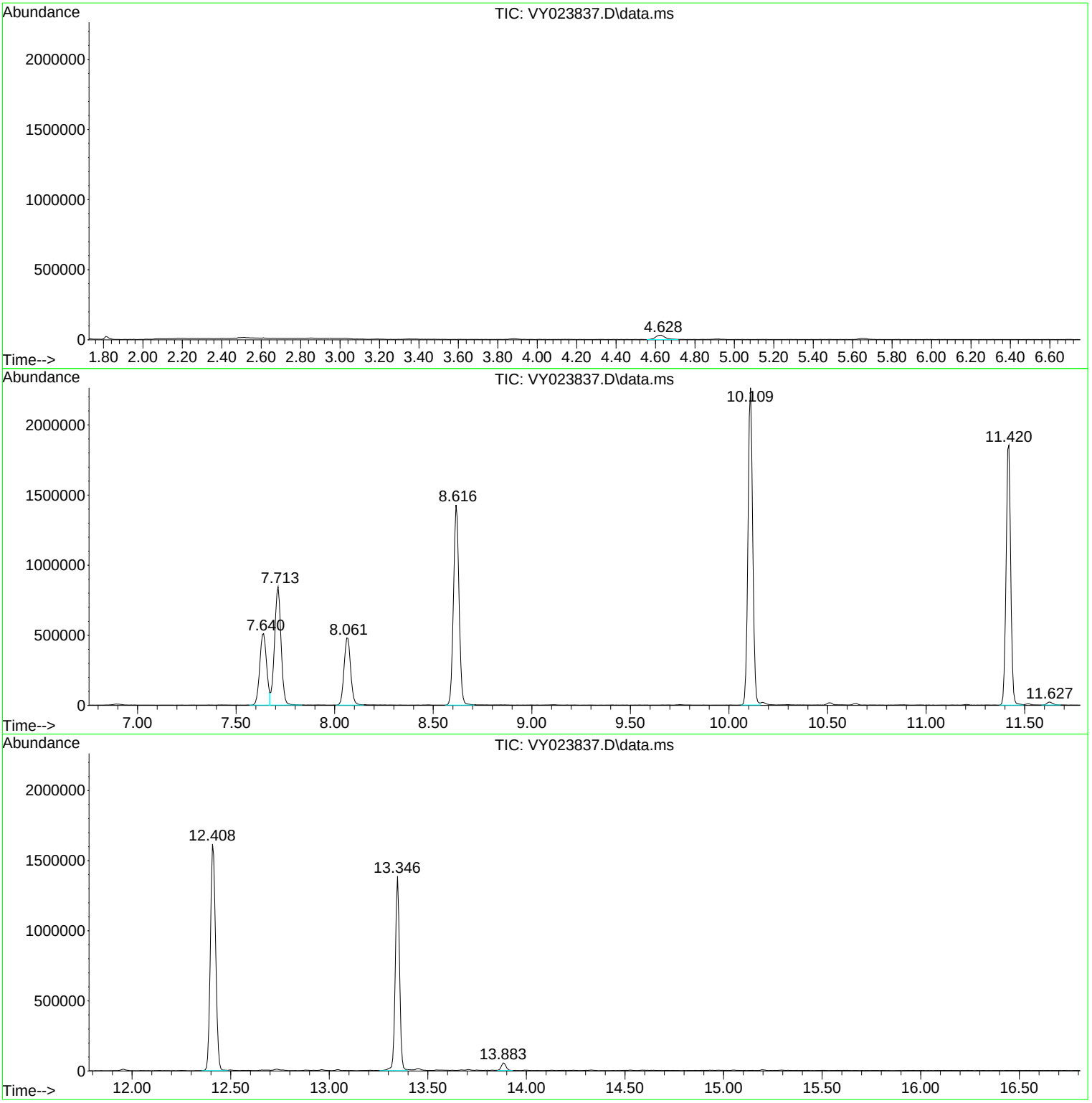
Sample Results: **VY023837.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

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: **VY023837.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

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 : VY023837.D
Acq On : 01 Dec 2025 12:49
Operator : SY/MD
Sample : Q3741-02
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

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: **VY023838.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/20/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP14-112025	SDG No.:	Q3741
Lab Sample ID:	Q3741-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	87.3
Sample Wt/Vol:	4.69 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	1.40	U	1	1.40	6.10	ug/Kg	12/01/25 13:12	VY120125
74-87-3	Chloromethane	1.40	U	1	1.40	6.10	ug/Kg	12/01/25 13:12	VY120125
75-01-4	Vinyl Chloride	0.96	U	1	0.96	6.10	ug/Kg	12/01/25 13:12	VY120125
74-83-9	Bromomethane	1.30	U	1	1.30	6.10	ug/Kg	12/01/25 13:12	VY120125
75-00-3	Chloroethane	1.50	U	1	1.50	6.10	ug/Kg	12/01/25 13:12	VY120125
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.10	ug/Kg	12/01/25 13:12	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.10	ug/Kg	12/01/25 13:12	VY120125
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.10	ug/Kg	12/01/25 13:12	VY120125
67-64-1	Acetone	18.3	J	1	5.80	30.5	ug/Kg	12/01/25 13:12	VY120125
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.10	ug/Kg	12/01/25 13:12	VY120125
1634-04-4	Methyl tert-butyl Ether	0.89	U	1	0.89	6.10	ug/Kg	12/01/25 13:12	VY120125
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.10	ug/Kg	12/01/25 13:12	VY120125
75-09-2	Methylene Chloride	4.30	U	1	4.30	12.2	ug/Kg	12/01/25 13:12	VY120125
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
75-34-3	1,1-Dichloroethane	0.98	U	1	0.98	6.10	ug/Kg	12/01/25 13:12	VY120125
110-82-7	Cyclohexane	0.96	U	1	0.96	6.10	ug/Kg	12/01/25 13:12	VY120125
78-93-3	2-Butanone	8.00	U	1	8.00	30.5	ug/Kg	12/01/25 13:12	VY120125
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.10	ug/Kg	12/01/25 13:12	VY120125
156-59-2	cis-1,2-Dichloroethene	0.92	U	1	0.92	6.10	ug/Kg	12/01/25 13:12	VY120125
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.10	ug/Kg	12/01/25 13:12	VY120125
67-66-3	Chloroform	1.00	U	1	1.00	6.10	ug/Kg	12/01/25 13:12	VY120125
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
71-43-2	Benzene	0.96	U	1	0.96	6.10	ug/Kg	12/01/25 13:12	VY120125
107-06-2	1,2-Dichloroethane	0.96	U	1	0.96	6.10	ug/Kg	12/01/25 13:12	VY120125
79-01-6	Trichloroethene	0.99	U	1	0.99	6.10	ug/Kg	12/01/25 13:12	VY120125
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
75-27-4	Bromodichloromethane	0.95	U	1	0.95	6.10	ug/Kg	12/01/25 13:12	VY120125
108-10-1	4-Methyl-2-Pentanone	4.40	U	1	4.40	30.5	ug/Kg	12/01/25 13:12	VY120125
108-88-3	Toluene	0.95	U	1	0.95	6.10	ug/Kg	12/01/25 13:12	VY120125
10061-02-6	t-1,3-Dichloropropene	0.79	U	1	0.79	6.10	ug/Kg	12/01/25 13:12	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.76	U	1	0.76	6.10	ug/Kg	12/01/25 13:12	VY120125
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
591-78-6	2-Hexanone	4.50	U	1	4.50	30.5	ug/Kg	12/01/25 13:12	VY120125
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.10	ug/Kg	12/01/25 13:12	VY120125
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125
100-41-4	Ethyl Benzene	0.82	U	1	0.82	6.10	ug/Kg	12/01/25 13:12	VY120125
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.2	ug/Kg	12/01/25 13:12	VY120125
95-47-6	o-Xylene	1.00	U	1	1.00	6.10	ug/Kg	12/01/25 13:12	VY120125
100-42-5	Styrene	0.87	U	1	0.87	6.10	ug/Kg	12/01/25 13:12	VY120125
75-25-2	Bromoform	1.10	U	1	1.10	6.10	ug/Kg	12/01/25 13:12	VY120125

Raw Data: **VY023838.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/20/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP14-112025	SDG No.:	Q3741
Lab Sample ID:	Q3741-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	87.3
Sample Wt/Vol:	4.69 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	0.95	U	1	0.95	6.10	ug/Kg	12/01/25 13:12	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.10	ug/Kg	12/01/25 13:12	VY120125
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.10	ug/Kg	12/01/25 13:12	VY120125
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.10	ug/Kg	12/01/25 13:12	VY120125
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.10	ug/Kg	12/01/25 13:12	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.10	ug/Kg	12/01/25 13:12	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.10	ug/Kg	12/01/25 13:12	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.90	U	1	3.90	6.10	ug/Kg	12/01/25 13:12	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	64.0			63 - 155	128%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.4			70 - 134	79%	SPK: 50		
2037-26-5	Toluene-d8	50.9			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.1			52 - 138	78%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	548000							
540-36-3	1,4-Difluorobenzene	1010000							
3114-55-4	Chlorobenzene-d5	813000							
3855-82-1	1,4-Dichlorobenzene-d4	286000							

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 : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Quant Time: Dec 02 03:16:27 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

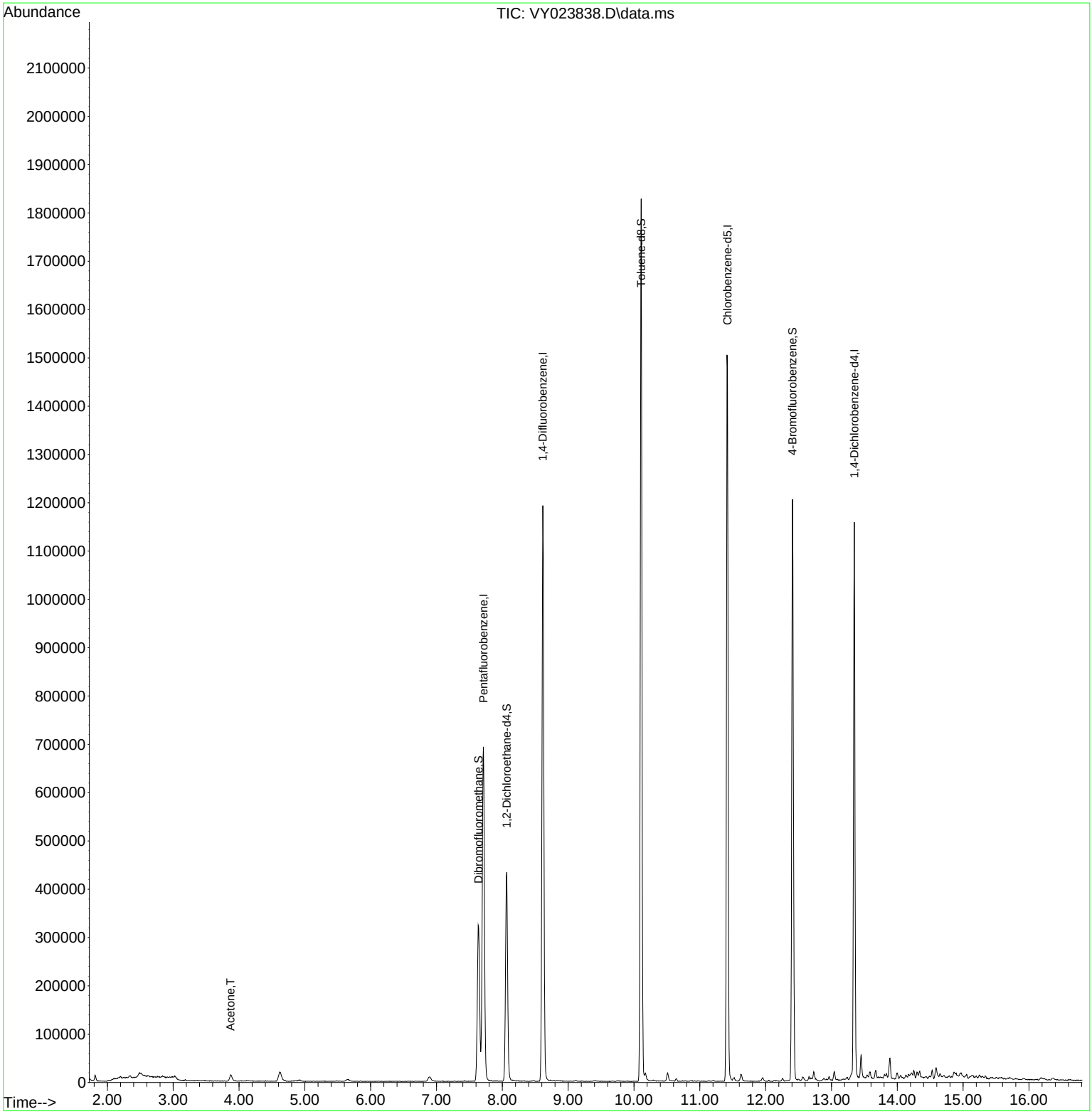
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	548000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1005981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	813032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	286147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	341316	63.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.920%			
35) Dibromofluoromethane	7.640	113	234976	39.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 78.860%			
50) Toluene-d8	10.109	98	1203709	50.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.408	95	304631	39.114	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.220%			
Target Compounds						Qvalue
16) Acetone	3.873	43	23001	14.959	ug/l	97

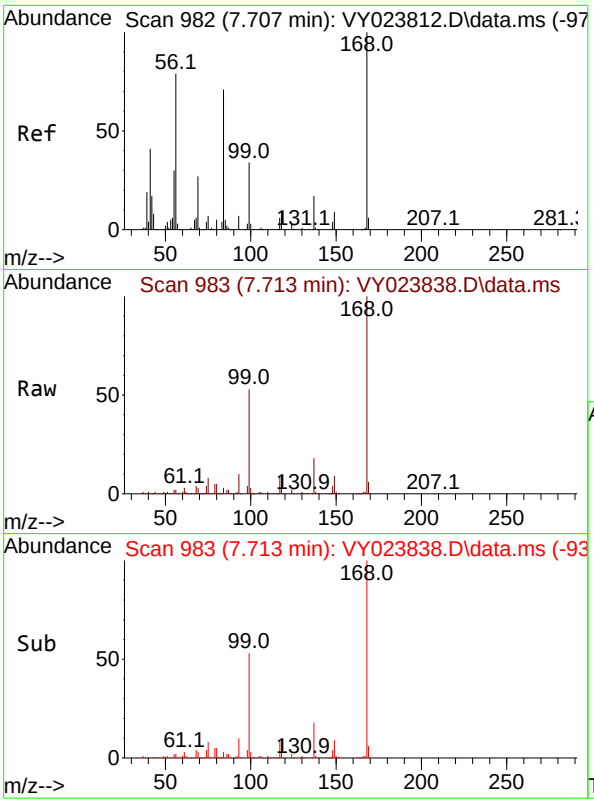
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Quant Time: Dec 02 03:16:27 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



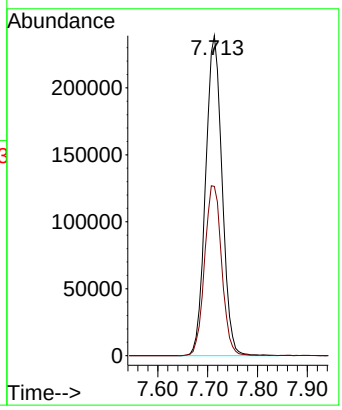


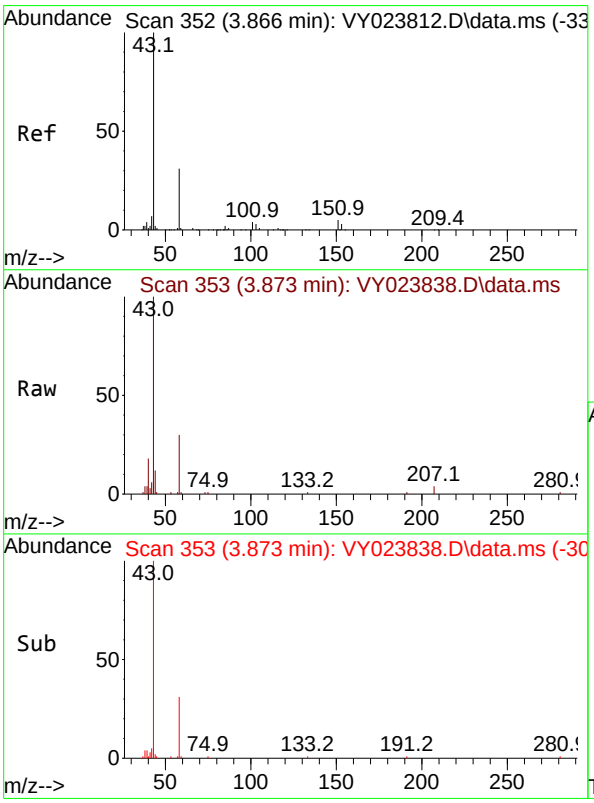
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion:168 Resp: 548000

Ion	Ratio	Lower	Upper
168	100		
99	52.9	44.0	66.0

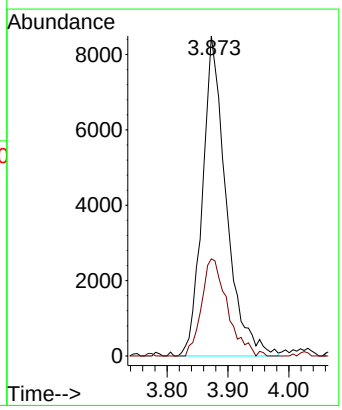


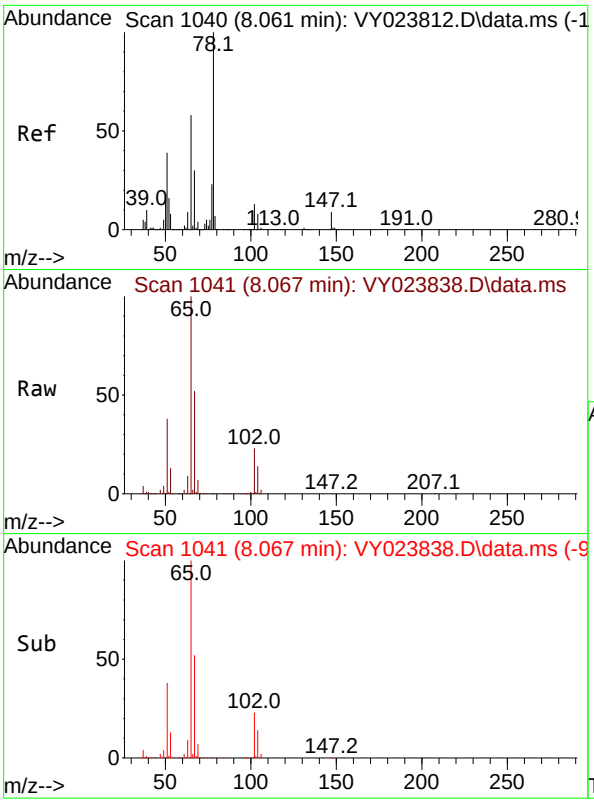


#16
Acetone
Concen: 14.959 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 43 Resp: 23001

Ion	Ratio	Lower	Upper
43	100		
58	30.4	25.4	38.2



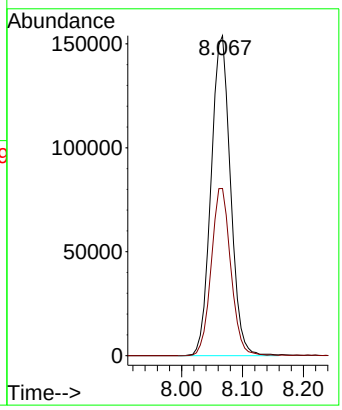


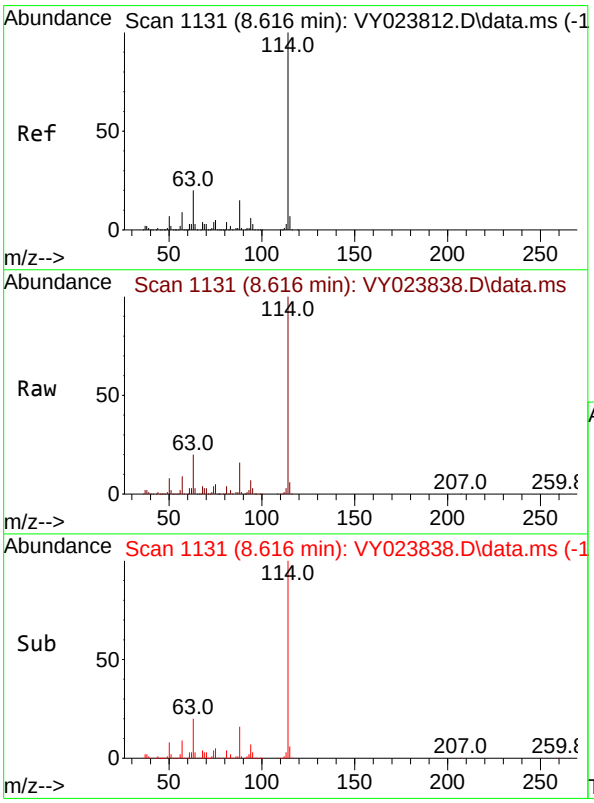
#33
1,2-Dichloroethane-d4
Concen: 63.957 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion: 65 Resp: 341316

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.4

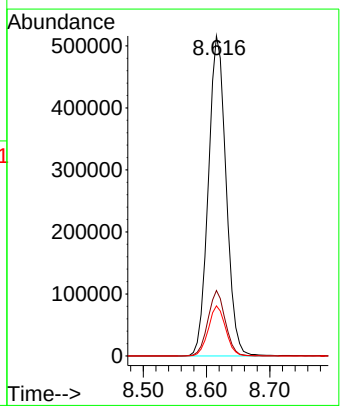


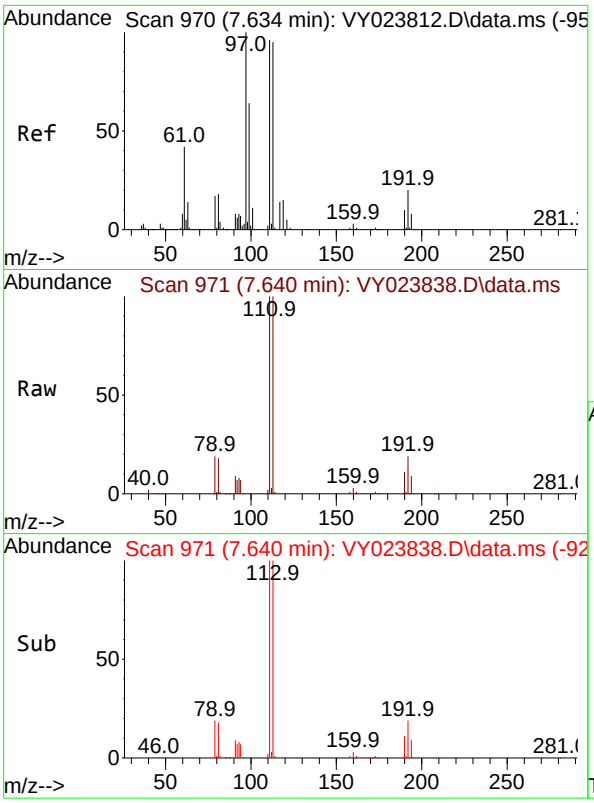


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion:114 Resp: 1005981

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.4
88	15.7	0.0	30.8



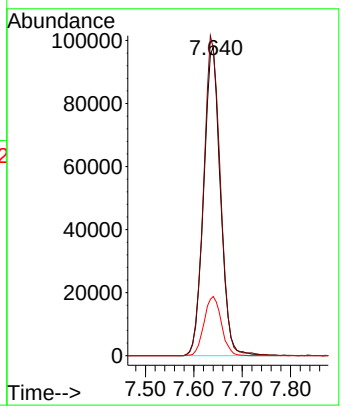


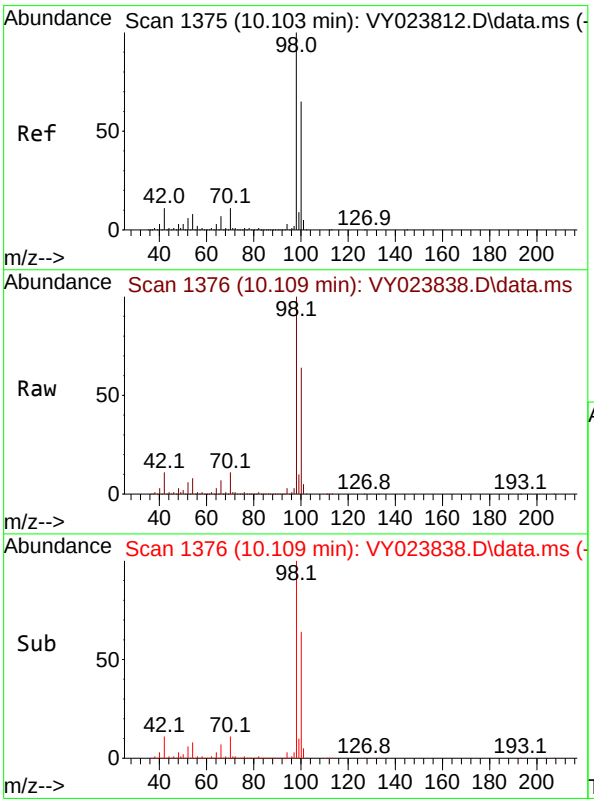
#35
Dibromofluoromethane
Concen: 39.430 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion:113 Resp: 234976

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	19.8	15.8	23.8

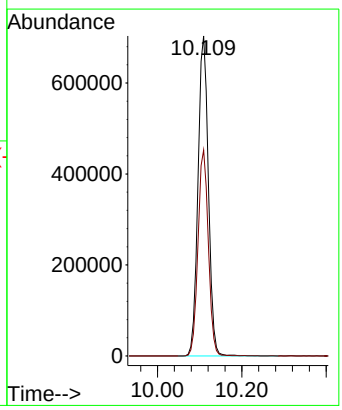


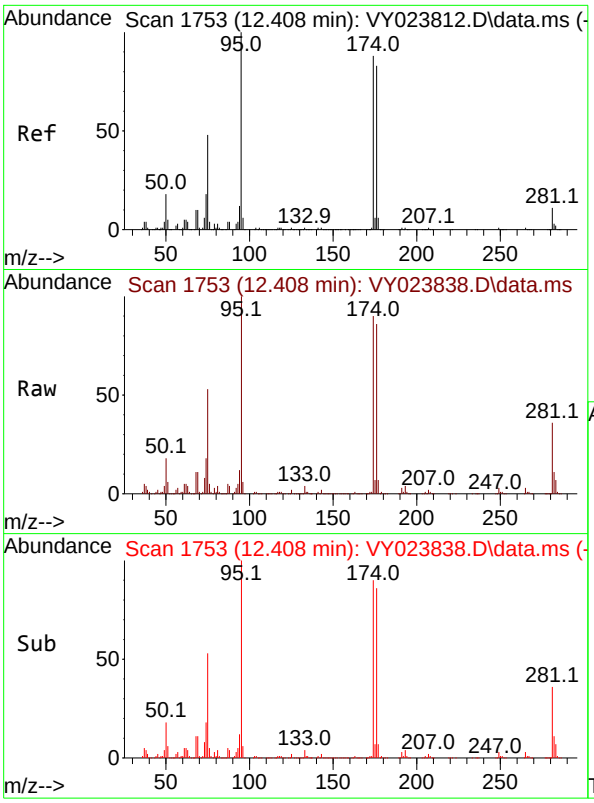


#50
Toluene-d8
Concen: 50.853 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 98 Resp: 1203709

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9



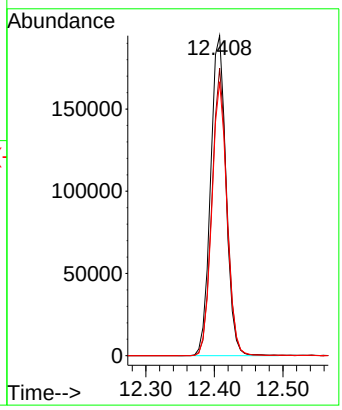


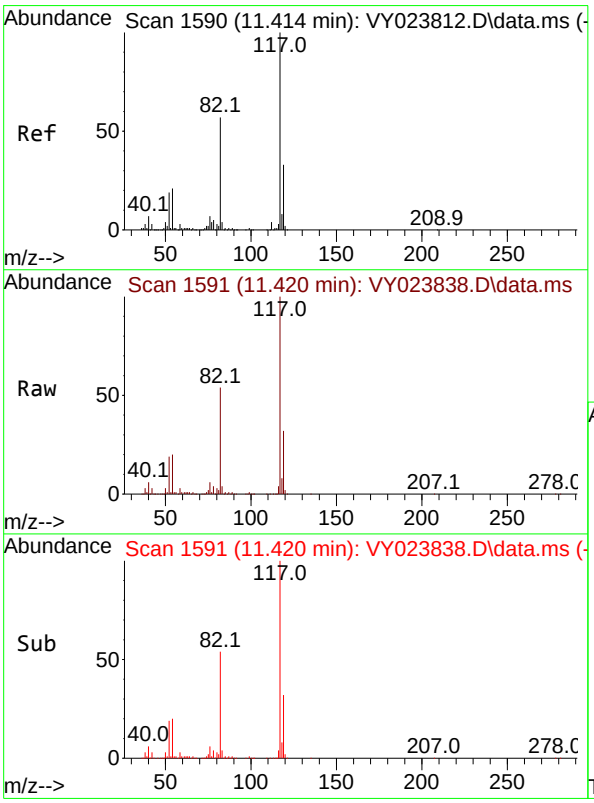
#62
4-Bromofluorobenzene
Concen: 39.114 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion: 95 Resp: 304631

Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	168.6
176	83.9	0.0	164.6

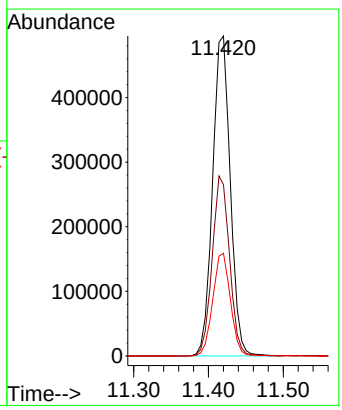


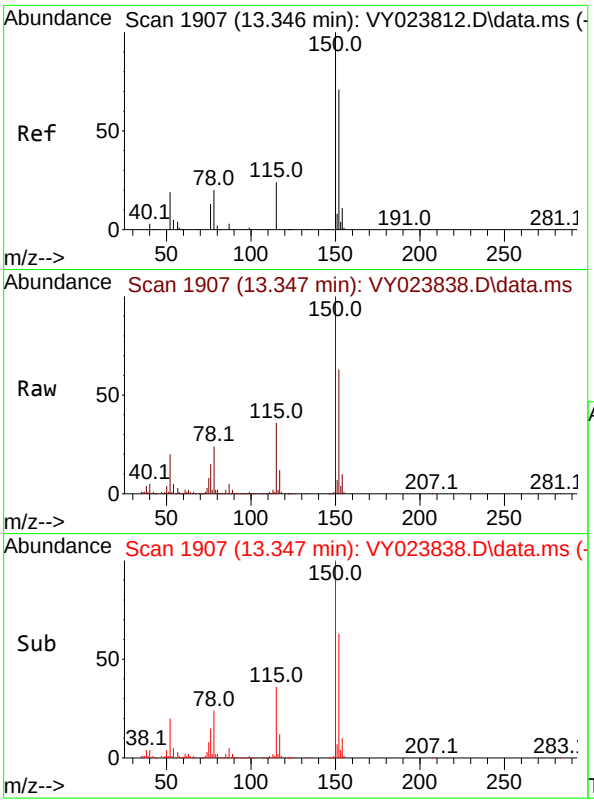


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion:117 Resp: 813032

Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.4	68.0
119	32.1	26.0	39.0



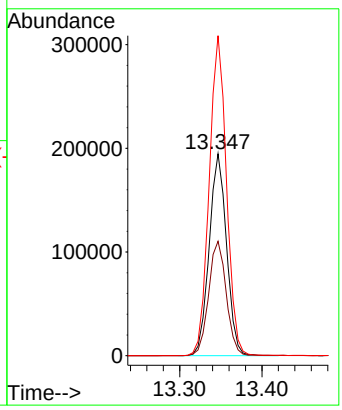


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion:152 Resp: 286147

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.7	86.3
150	157.6	0.0	345.6



Sample Results: **VY023838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

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: VY023838.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	346	353	362	rBV	13288	35109	1.12%	0.226%
2	4.616	467	475	489	rBV4	18876	64114	2.04%	0.412%
3	6.903	839	850	861	rBV3	9166	33029	1.05%	0.212%
4	7.634	960	970	976	rBV	323108	778022	24.81%	5.004%
5	7.713	976	983	995	rVB	690469	1605678	51.19%	10.328%
6	8.067	1031	1041	1054	rBV	432909	969429	30.91%	6.235%
7	8.616	1122	1131	1148	rBV	1191839	2325931	74.16%	14.960%
8	10.109	1367	1376	1384	rBV	1827137	3136408	100.00%	20.173%
9	10.512	1433	1442	1449	rBV	17310	35418	1.13%	0.228%
10	11.414	1583	1590	1603	rBV	1503632	2482874	79.16%	15.970%
11	12.408	1746	1753	1765	rBV2	1202196	2120767	67.62%	13.641%
12	13.347	1893	1907	1919	rBV	1154126	1766378	56.32%	11.361%
13	13.450	1919	1924	1929	rBV2	48181	72833	2.32%	0.468%
14	13.889	1990	1996	2002	rVB2	42609	70386	2.24%	0.453%
15	14.590	2105	2111	2118	rBV4	22404	51127	1.63%	0.329%

Sum of corrected areas: 15547503

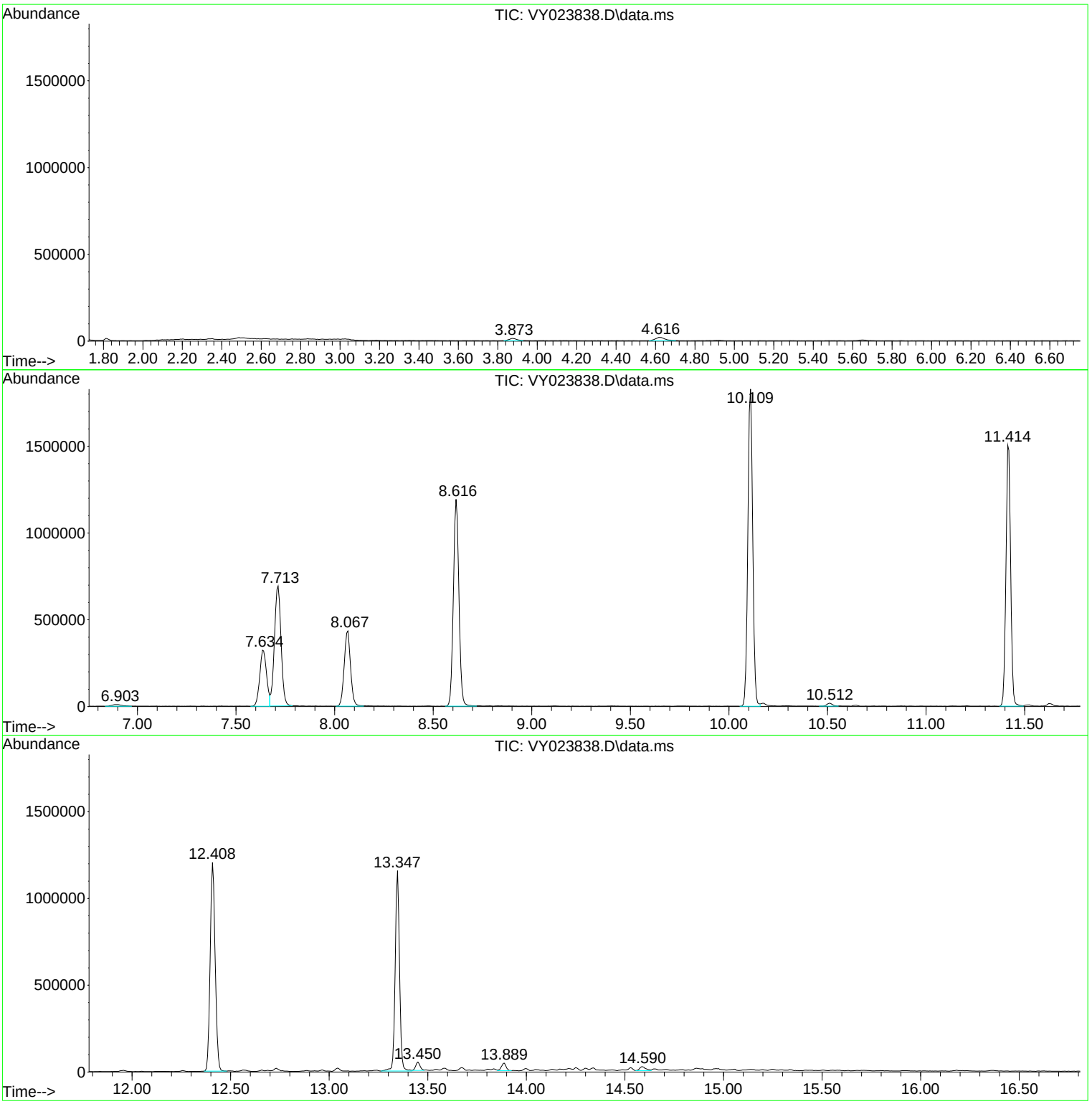
Sample Results: **VY023838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

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: **VY023838.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

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 : VY023838.D
Acq On : 01 Dec 2025 13:12
Operator : SY/MD
Sample : Q3741-03
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

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: **VY023839.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/24/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP9-112425	SDG No.:	Q3741
Lab Sample ID:	Q3741-04	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.2
Sample Wt/Vol:	5.64 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	1.20	U	1	1.20	5.20	ug/Kg	12/01/25 13:36	VY120125
74-87-3	Chloromethane	1.20	U	1	1.20	5.20	ug/Kg	12/01/25 13:36	VY120125
75-01-4	Vinyl Chloride	0.82	U	1	0.82	5.20	ug/Kg	12/01/25 13:36	VY120125
74-83-9	Bromomethane	1.10	U	1	1.10	5.20	ug/Kg	12/01/25 13:36	VY120125
75-00-3	Chloroethane	1.30	U	1	1.30	5.20	ug/Kg	12/01/25 13:36	VY120125
75-69-4	Trichlorofluoromethane	1.30	U	1	1.30	5.20	ug/Kg	12/01/25 13:36	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.20	ug/Kg	12/01/25 13:36	VY120125
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.20	ug/Kg	12/01/25 13:36	VY120125
67-64-1	Acetone	13.2	J	1	4.90	26.0	ug/Kg	12/01/25 13:36	VY120125
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.20	ug/Kg	12/01/25 13:36	VY120125
1634-04-4	Methyl tert-butyl Ether	0.76	U	1	0.76	5.20	ug/Kg	12/01/25 13:36	VY120125
79-20-9	Methyl Acetate	1.60	U	1	1.60	5.20	ug/Kg	12/01/25 13:36	VY120125
75-09-2	Methylene Chloride	3.70	U	1	3.70	10.4	ug/Kg	12/01/25 13:36	VY120125
156-60-5	trans-1,2-Dichloroethene	0.89	U	1	0.89	5.20	ug/Kg	12/01/25 13:36	VY120125
75-34-3	1,1-Dichloroethane	0.83	U	1	0.83	5.20	ug/Kg	12/01/25 13:36	VY120125
110-82-7	Cyclohexane	0.82	U	1	0.82	5.20	ug/Kg	12/01/25 13:36	VY120125
78-93-3	2-Butanone	6.80	U	1	6.80	26.0	ug/Kg	12/01/25 13:36	VY120125
56-23-5	Carbon Tetrachloride	1.00	U	1	1.00	5.20	ug/Kg	12/01/25 13:36	VY120125
156-59-2	cis-1,2-Dichloroethene	0.78	U	1	0.78	5.20	ug/Kg	12/01/25 13:36	VY120125
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.20	ug/Kg	12/01/25 13:36	VY120125
67-66-3	Chloroform	0.87	U	1	0.87	5.20	ug/Kg	12/01/25 13:36	VY120125
71-55-6	1,1,1-Trichloroethane	0.97	U	1	0.97	5.20	ug/Kg	12/01/25 13:36	VY120125
108-87-2	Methylcyclohexane	0.95	U	1	0.95	5.20	ug/Kg	12/01/25 13:36	VY120125
71-43-2	Benzene	0.82	U	1	0.82	5.20	ug/Kg	12/01/25 13:36	VY120125
107-06-2	1,2-Dichloroethane	0.82	U	1	0.82	5.20	ug/Kg	12/01/25 13:36	VY120125
79-01-6	Trichloroethene	0.84	U	1	0.84	5.20	ug/Kg	12/01/25 13:36	VY120125
78-87-5	1,2-Dichloropropane	0.95	U	1	0.95	5.20	ug/Kg	12/01/25 13:36	VY120125
75-27-4	Bromodichloromethane	0.81	U	1	0.81	5.20	ug/Kg	12/01/25 13:36	VY120125
108-10-1	4-Methyl-2-Pentanone	3.70	U	1	3.70	26.0	ug/Kg	12/01/25 13:36	VY120125
108-88-3	Toluene	0.81	U	1	0.81	5.20	ug/Kg	12/01/25 13:36	VY120125
10061-02-6	t-1,3-Dichloropropene	0.68	U	1	0.68	5.20	ug/Kg	12/01/25 13:36	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.65	U	1	0.65	5.20	ug/Kg	12/01/25 13:36	VY120125
79-00-5	1,1,2-Trichloroethane	0.96	U	1	0.96	5.20	ug/Kg	12/01/25 13:36	VY120125
591-78-6	2-Hexanone	3.80	U	1	3.80	26.0	ug/Kg	12/01/25 13:36	VY120125
124-48-1	Dibromochloromethane	0.91	U	1	0.91	5.20	ug/Kg	12/01/25 13:36	VY120125
106-93-4	1,2-Dibromoethane	0.92	U	1	0.92	5.20	ug/Kg	12/01/25 13:36	VY120125
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.20	ug/Kg	12/01/25 13:36	VY120125
108-90-7	Chlorobenzene	0.95	U	1	0.95	5.20	ug/Kg	12/01/25 13:36	VY120125
100-41-4	Ethyl Benzene	0.70	U	1	0.70	5.20	ug/Kg	12/01/25 13:36	VY120125
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.4	ug/Kg	12/01/25 13:36	VY120125
95-47-6	o-Xylene	0.85	U	1	0.85	5.20	ug/Kg	12/01/25 13:36	VY120125
100-42-5	Styrene	0.74	U	1	0.74	5.20	ug/Kg	12/01/25 13:36	VY120125
75-25-2	Bromoform	0.89	U	1	0.89	5.20	ug/Kg	12/01/25 13:36	VY120125

Raw Data: **VY023839.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/24/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP9-112425	SDG No.:	Q3741
Lab Sample ID:	Q3741-04	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.2
Sample Wt/Vol:	5.64 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	0.81	U	1	0.81	5.20	ug/Kg	12/01/25 13:36	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1	1.30	5.20	ug/Kg	12/01/25 13:36	VY120125
541-73-1	1,3-Dichlorobenzene	1.80	U	1	1.80	5.20	ug/Kg	12/01/25 13:36	VY120125
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.20	ug/Kg	12/01/25 13:36	VY120125
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.20	ug/Kg	12/01/25 13:36	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1	1.90	5.20	ug/Kg	12/01/25 13:36	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.10	U	1	3.10	5.20	ug/Kg	12/01/25 13:36	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.30	U	1	3.30	5.20	ug/Kg	12/01/25 13:36	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	68.2			63 - 155	136%	SPK: 50		
1868-53-7	Dibromofluoromethane	24.6	*		70 - 134	49%	SPK: 50		
2037-26-5	Toluene-d8	50.8			74 - 123	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.5			52 - 138	81%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	491000							
540-36-3	1,4-Difluorobenzene	930000							
3114-55-4	Chlorobenzene-d5	778000							
3855-82-1	1,4-Dichlorobenzene-d4	274000							

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 : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Quant Time: Dec 02 03:16:48 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

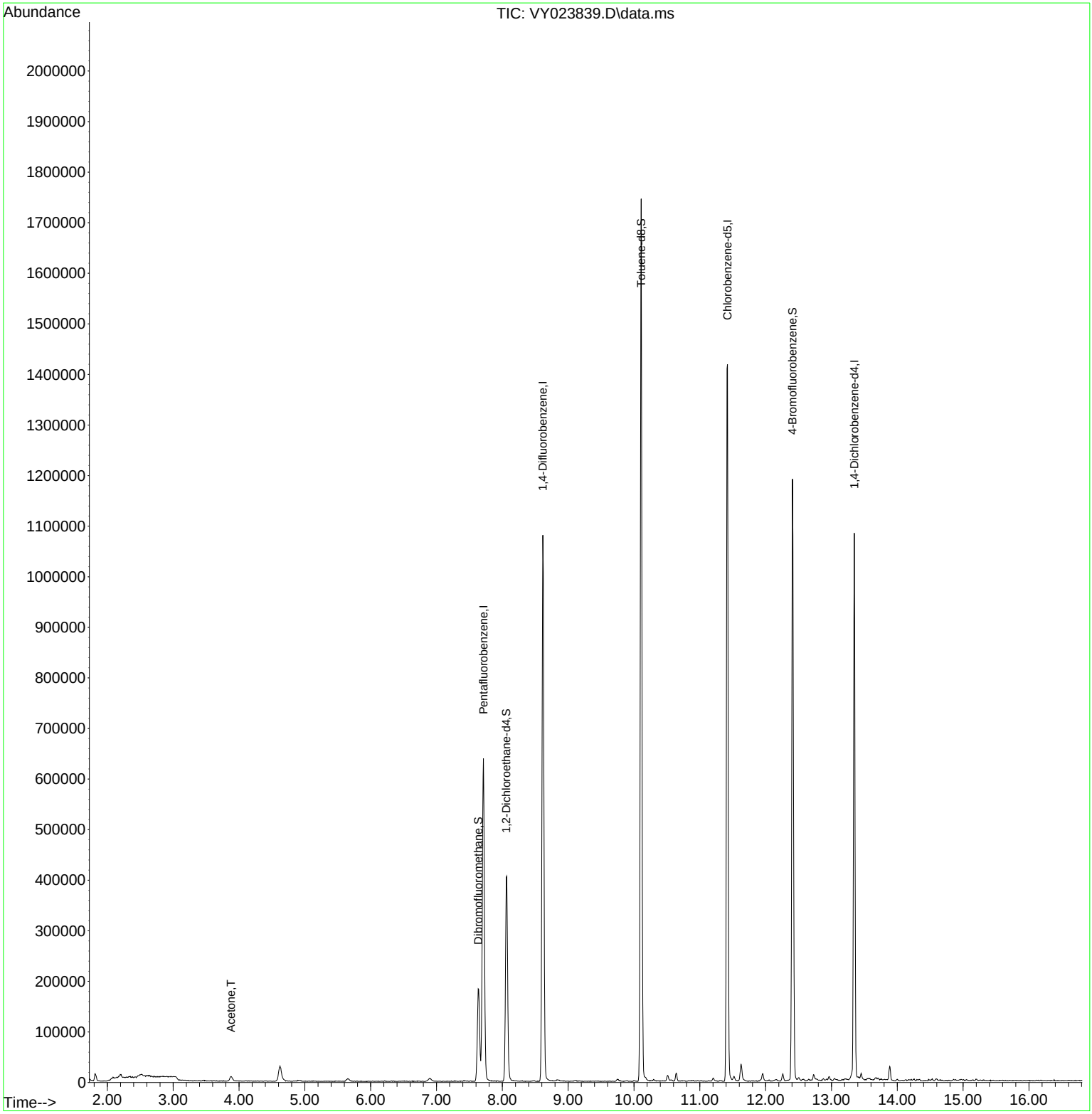
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	491424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	929861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	778289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	326284	68.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.360%			
35) Dibromofluoromethane	7.634	113	135756	24.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 49.300%#			
50) Toluene-d8	10.109	98	1111835	50.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.408	95	291322	40.467	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.940%			
Target Compounds						Qvalue
16) Acetone	3.879	43	17509	12.698	ug/l	95

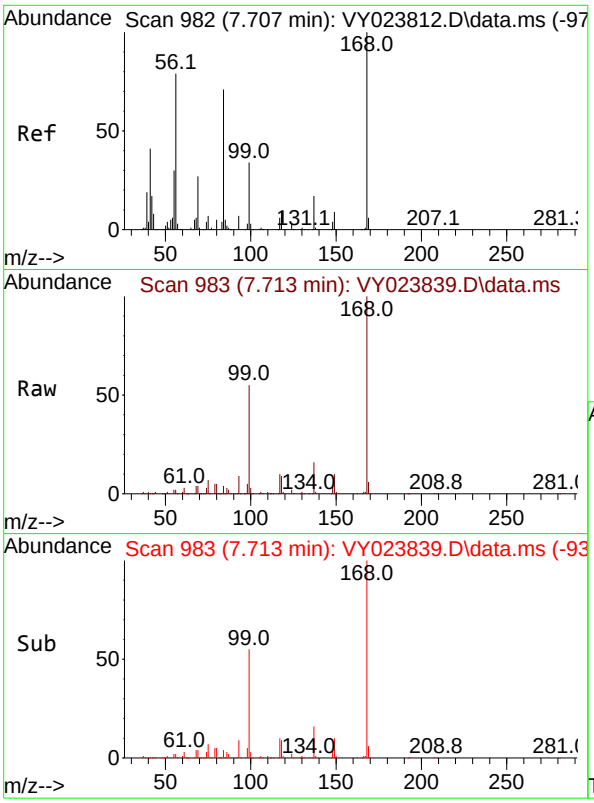
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Quant Time: Dec 02 03:16:48 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



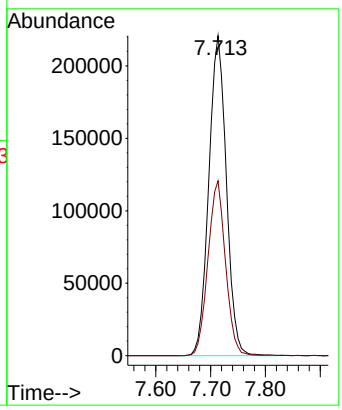


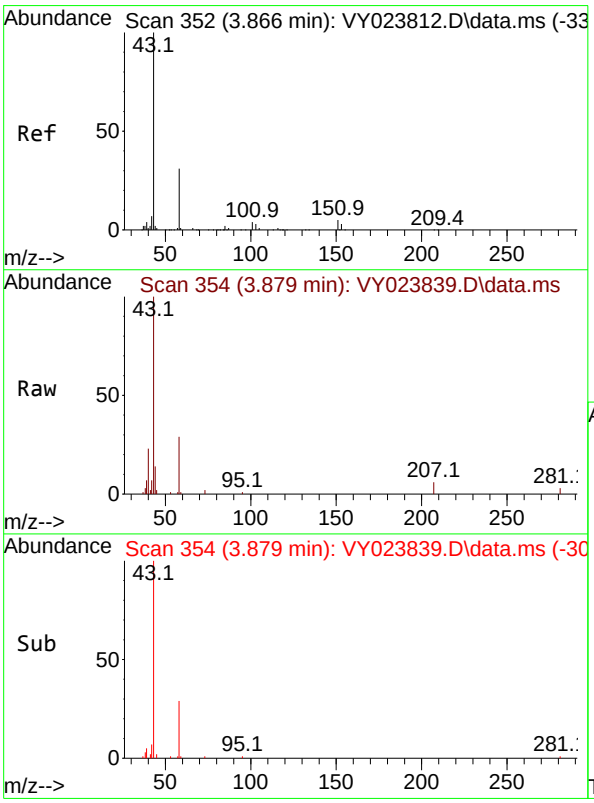
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion:168 Resp: 491424

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.0	66.0

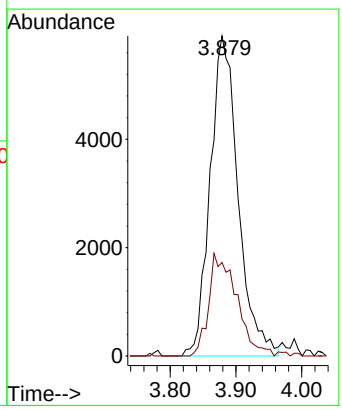


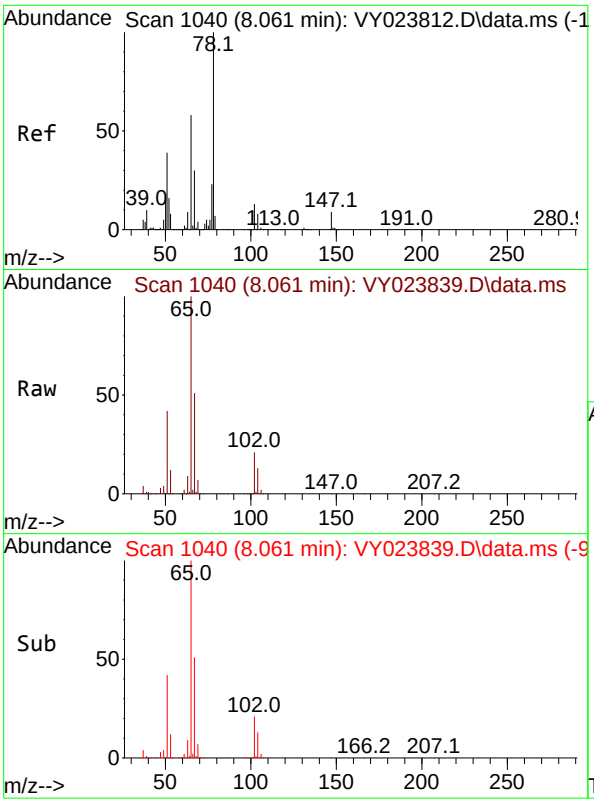


#16
Acetone
Concen: 12.698 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 43 Resp: 17509

Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.4	38.2



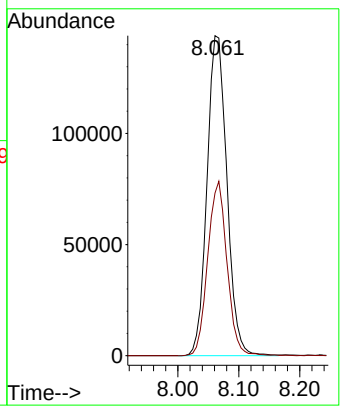


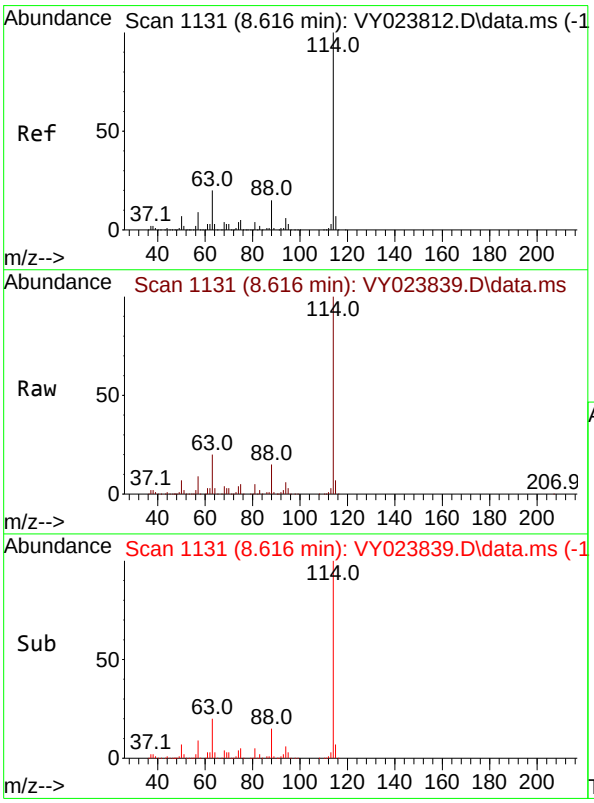
#33
1,2-Dichloroethane-d4
Concen: 68.179 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion: 65 Resp: 326284

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.4

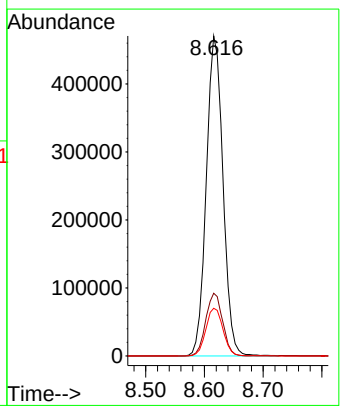


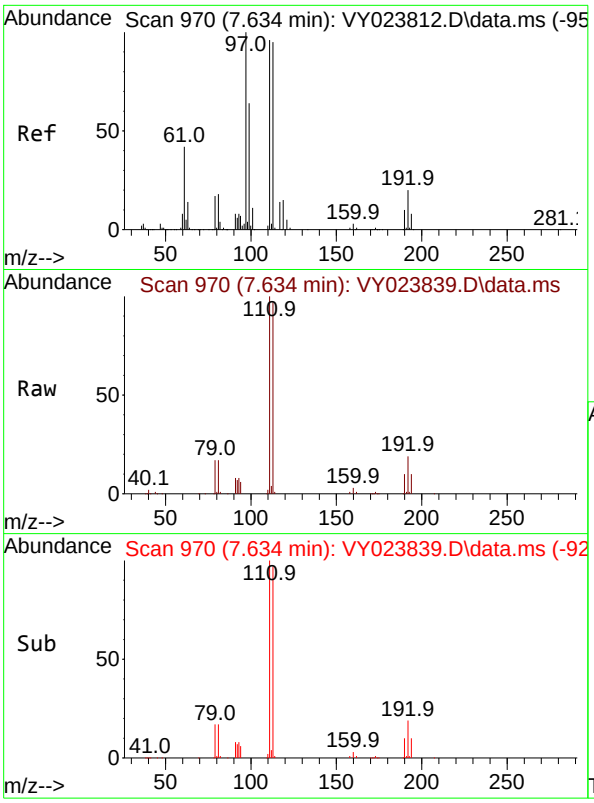


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion:114 Resp: 929861

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	14.9	0.0	30.8



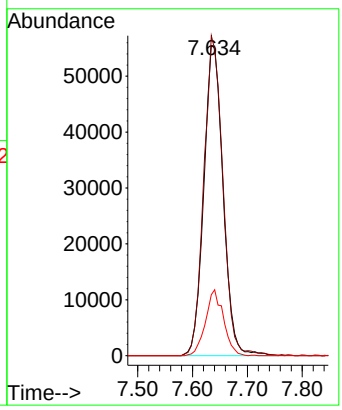


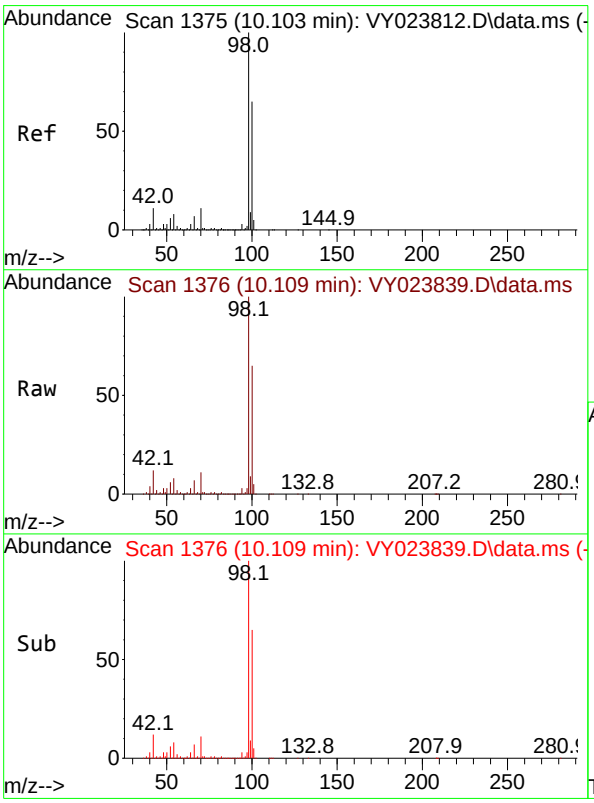
#35
Dibromofluoromethane
Concen: 24.645 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion:113 Resp: 135756

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	19.8	15.8	23.8

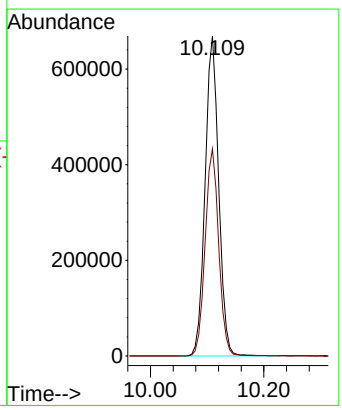


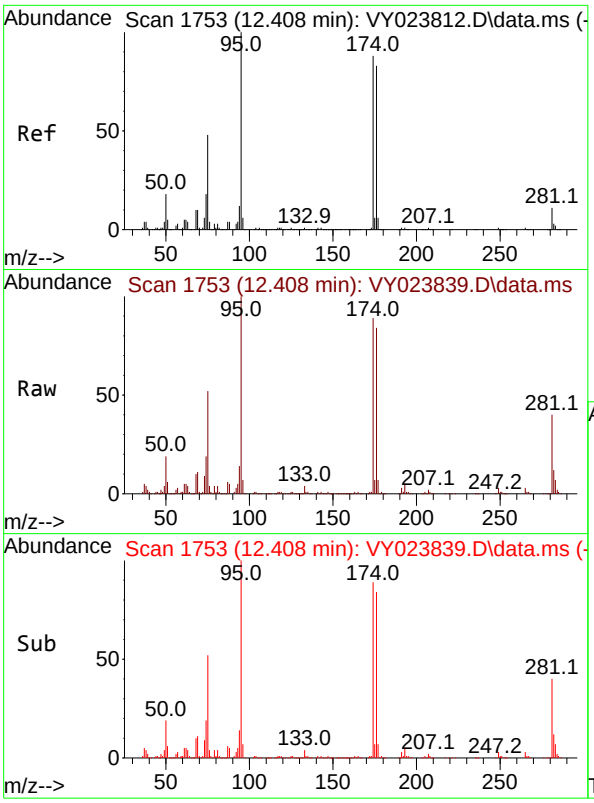


#50
Toluene-d8
Concen: 50.817 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 98 Resp: 1111835

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9



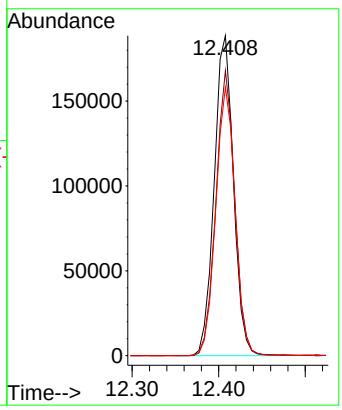


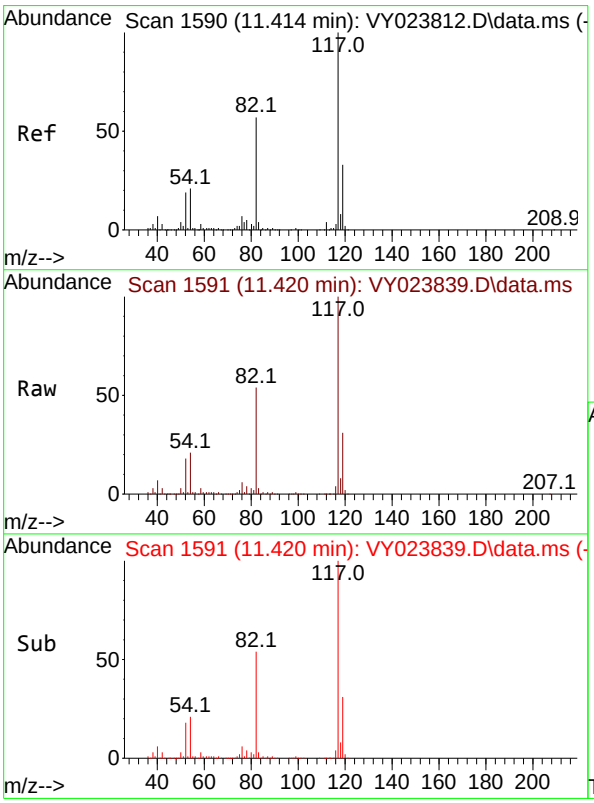
#62
4-Bromofluorobenzene
Concen: 40.467 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion: 95 Resp: 291322

Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	168.6
176	84.4	0.0	164.6

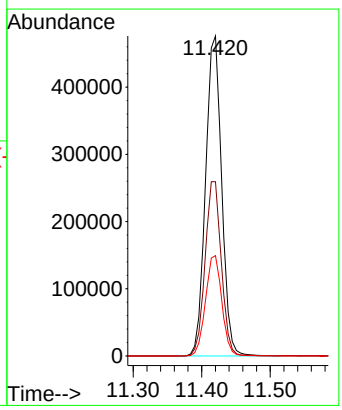


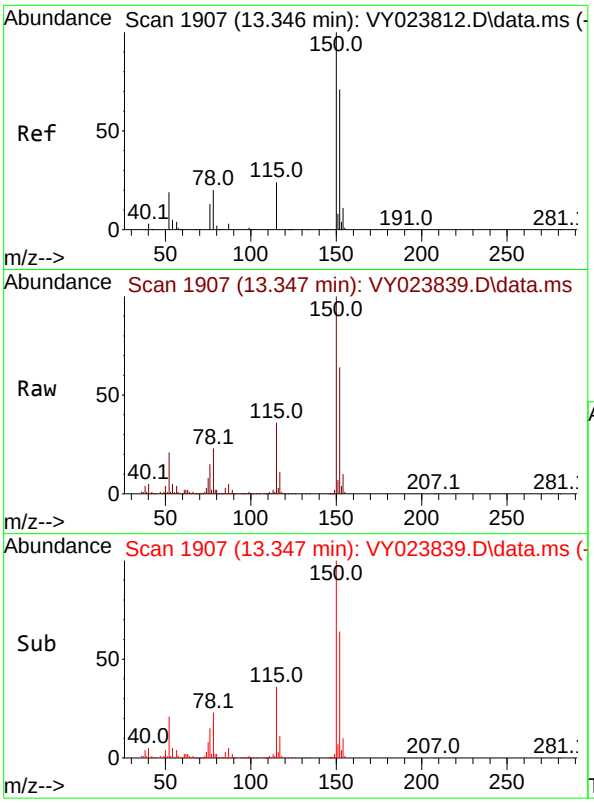


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion:117 Resp: 778289

Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.4	68.0
119	31.4	26.0	39.0



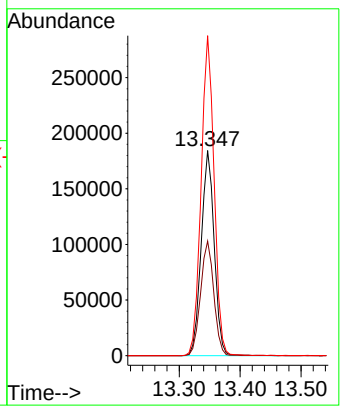


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion:152 Resp: 274066

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.7	86.3
150	156.1	0.0	345.6



Sample Results: **VY023839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

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: VY023839.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	461	476	490	rBV	30296	102863	3.51%	0.722%
2	7.634	961	970	976	rBV	183059	444625	15.15%	3.120%
3	7.713	976	983	996	rVB	636363	1427015	48.63%	10.014%
4	8.067	1031	1041	1053	rBV	405648	923701	31.48%	6.482%
5	8.616	1122	1131	1149	rBV	1079939	2147311	73.18%	15.069%
6	10.109	1368	1376	1395	rBV	1745014	2934310	100.00%	20.592%
7	11.420	1582	1591	1602	rBV	1417850	2368192	80.71%	16.619%
8	11.627	1616	1625	1640	rVB2	32685	70397	2.40%	0.494%
9	11.957	1670	1679	1687	rBV	14481	30489	1.04%	0.214%
10	12.408	1743	1753	1763	rBV2	1188760	2093791	71.36%	14.694%
11	13.347	1893	1907	1914	rBV	1081235	1662170	56.65%	11.665%
12	13.883	1990	1995	2000	rVB2	27140	44634	1.52%	0.313%

Sum of corrected areas: 14249498

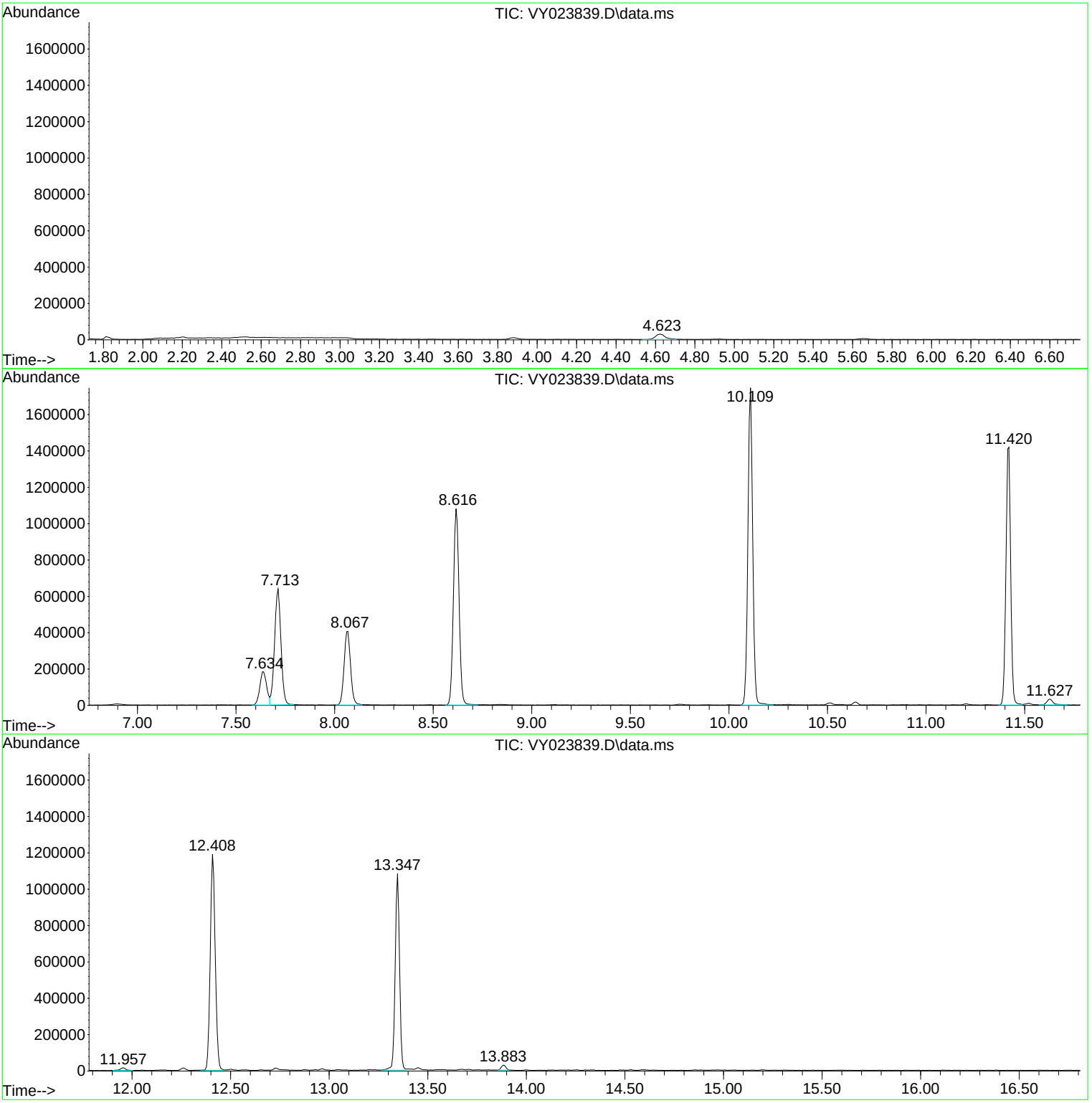
Sample Results: **VY023839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

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: **VY023839.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

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 : VY023839.D
Acq On : 01 Dec 2025 13:36
Operator : SY/MD
Sample : Q3741-04
Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

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: **VY023855.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/24/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP9-112425RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-04RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.2
Sample Wt/Vol:	5.07 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	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 12:55	VY120225
74-87-3	Chloromethane	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 12:55	VY120225
75-01-4	Vinyl Chloride	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 12:55	VY120225
74-83-9	Bromomethane	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 12:55	VY120225
75-00-3	Chloroethane	1.50	U	1	1.50	5.80	ug/Kg	12/02/25 12:55	VY120225
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.80	ug/Kg	12/02/25 12:55	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 12:55	VY120225
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 12:55	VY120225
67-64-1	Acetone	5.50	U	1	5.50	28.9	ug/Kg	12/02/25 12:55	VY120225
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 12:55	VY120225
1634-04-4	Methyl tert-butyl Ether	0.84	U	1	0.84	5.80	ug/Kg	12/02/25 12:55	VY120225
79-20-9	Methyl Acetate	1.80	U	1	1.80	5.80	ug/Kg	12/02/25 12:55	VY120225
75-09-2	Methylene Chloride	4.10	U	1	4.10	11.6	ug/Kg	12/02/25 12:55	VY120225
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 12:55	VY120225
75-34-3	1,1-Dichloroethane	0.93	U	1	0.93	5.80	ug/Kg	12/02/25 12:55	VY120225
110-82-7	Cyclohexane	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 12:55	VY120225
78-93-3	2-Butanone	7.60	U	1	7.60	28.9	ug/Kg	12/02/25 12:55	VY120225
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
156-59-2	cis-1,2-Dichloroethene	0.87	U	1	0.87	5.80	ug/Kg	12/02/25 12:55	VY120225
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 12:55	VY120225
67-66-3	Chloroform	0.97	U	1	0.97	5.80	ug/Kg	12/02/25 12:55	VY120225
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
108-87-2	Methylcyclohexane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
71-43-2	Benzene	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 12:55	VY120225
107-06-2	1,2-Dichloroethane	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 12:55	VY120225
79-01-6	Trichloroethene	0.94	U	1	0.94	5.80	ug/Kg	12/02/25 12:55	VY120225
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
75-27-4	Bromodichloromethane	0.90	U	1	0.90	5.80	ug/Kg	12/02/25 12:55	VY120225
108-10-1	4-Methyl-2-Pentanone	4.10	U	1	4.10	28.9	ug/Kg	12/02/25 12:55	VY120225
108-88-3	Toluene	0.90	U	1	0.90	5.80	ug/Kg	12/02/25 12:55	VY120225
10061-02-6	t-1,3-Dichloropropene	0.75	U	1	0.75	5.80	ug/Kg	12/02/25 12:55	VY120225
10061-01-5	cis-1,3-Dichloropropene	0.72	U	1	0.72	5.80	ug/Kg	12/02/25 12:55	VY120225
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
591-78-6	2-Hexanone	4.30	U	1	4.30	28.9	ug/Kg	12/02/25 12:55	VY120225
124-48-1	Dibromochloromethane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 12:55	VY120225
106-93-4	1,2-Dibromoethane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 12:55	VY120225
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 12:55	VY120225
108-90-7	Chlorobenzene	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 12:55	VY120225
100-41-4	Ethyl Benzene	0.78	U	1	0.78	5.80	ug/Kg	12/02/25 12:55	VY120225
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.6	ug/Kg	12/02/25 12:55	VY120225
95-47-6	o-Xylene	0.95	U	1	0.95	5.80	ug/Kg	12/02/25 12:55	VY120225
100-42-5	Styrene	0.82	U	1	0.82	5.80	ug/Kg	12/02/25 12:55	VY120225
75-25-2	Bromoform	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 12:55	VY120225

Raw Data: **VY023855.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/24/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP9-112425RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-04RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.2
Sample Wt/Vol:	5.07 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	0.90	U	1	0.90	5.80	ug/Kg	12/02/25 12:55	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.80	ug/Kg	12/02/25 12:55	VY120225
541-73-1	1,3-Dichlorobenzene	2.00	U	1	2.00	5.80	ug/Kg	12/02/25 12:55	VY120225
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.80	ug/Kg	12/02/25 12:55	VY120225
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	5.80	ug/Kg	12/02/25 12:55	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.80	ug/Kg	12/02/25 12:55	VY120225
120-82-1	1,2,4-Trichlorobenzene	3.40	U	1	3.40	5.80	ug/Kg	12/02/25 12:55	VY120225
87-61-6	1,2,3-Trichlorobenzene	3.70	U	1	3.70	5.80	ug/Kg	12/02/25 12:55	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.6			63 - 155	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	42.3			70 - 134	85%	SPK: 50		
2037-26-5	Toluene-d8	49.1			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	24.7	*		52 - 138	49%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	26000							
540-36-3	1,4-Difluorobenzene	35100							
3114-55-4	Chlorobenzene-d5	25900							
3855-82-1	1,4-Dichlorobenzene-d4	4750							

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: **VY023855.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023855.D
Acq On : 02 Dec 2025 12:55
Operator : SY/MD
Sample : Q3741-04RE
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Quant Time: Dec 03 01:02:48 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	25955	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	35095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	4746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13289	52.575	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.160%			
35) Dibromofluoromethane	7.646	113	8793	42.295	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.580%			
50) Toluene-d8	10.109	98	40585	49.148	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.408	95	6724	24.747	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 49.500%			

Target Compounds Qvalue

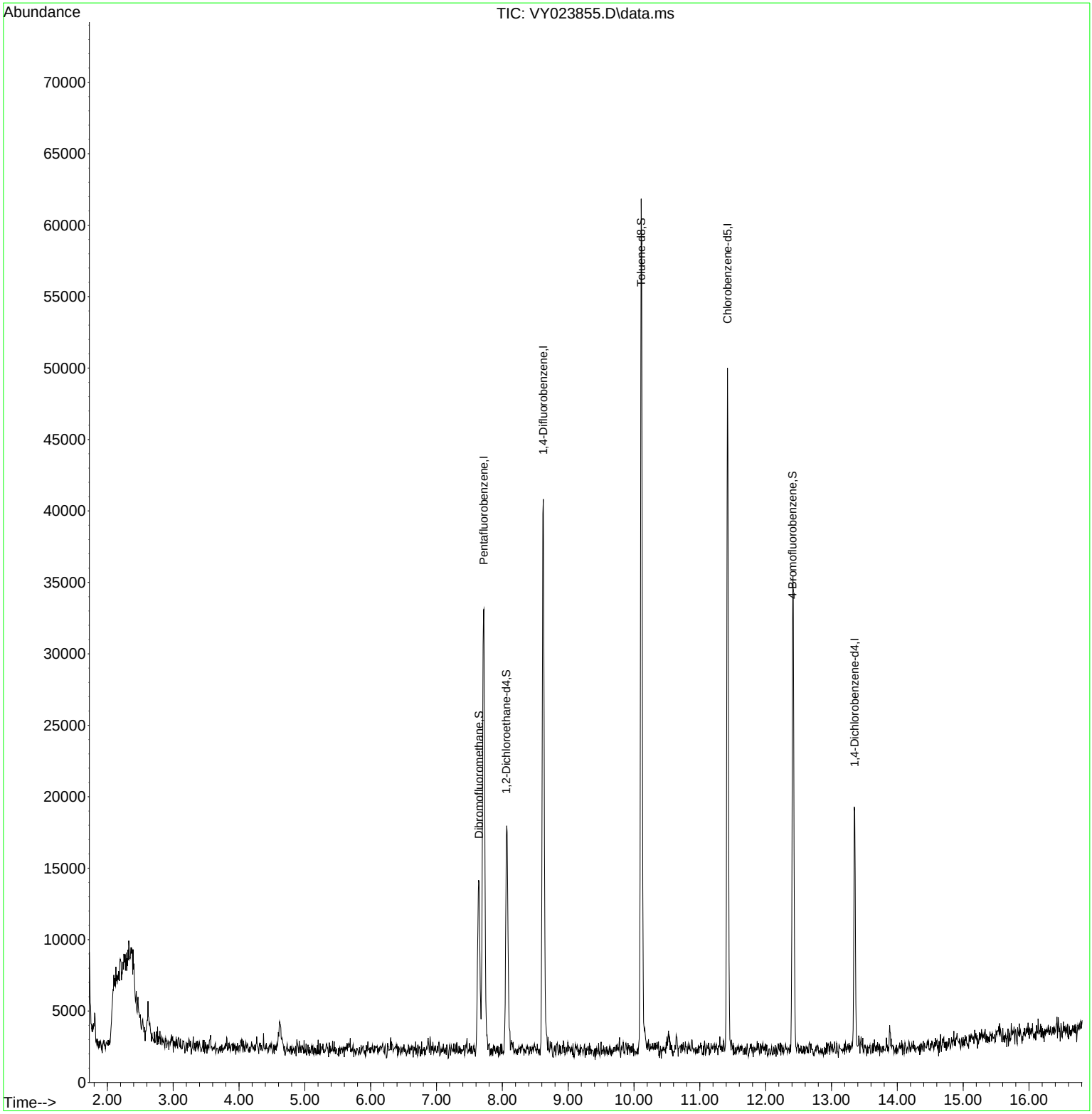
(#) = qualifier out of range (m) = manual integration (+) = signals summed

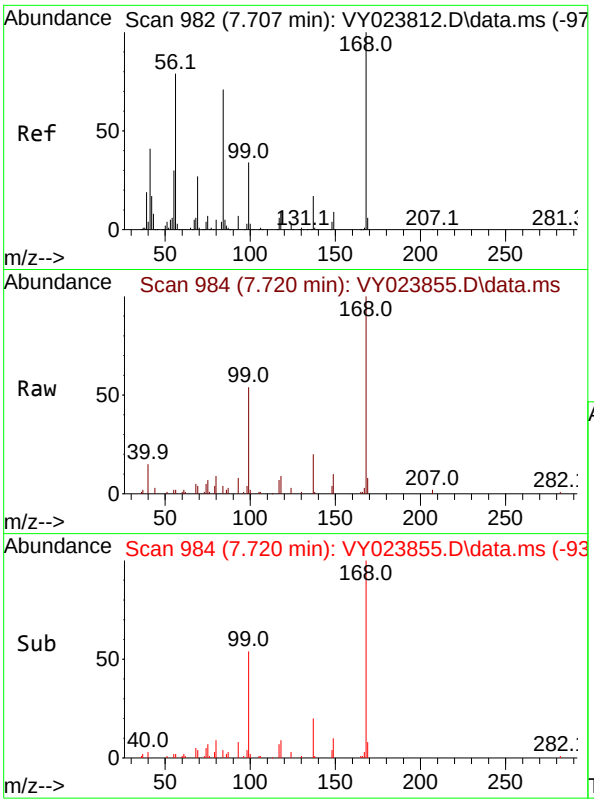
Sample Results: **VY023855.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023855.D
Acq On : 02 Dec 2025 12:55
Operator : SY/MD
Sample : Q3741-04RE
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Quant Time: Dec 03 01:02:48 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



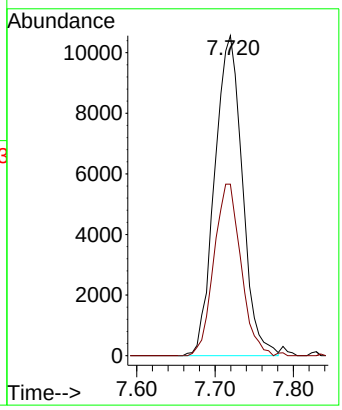


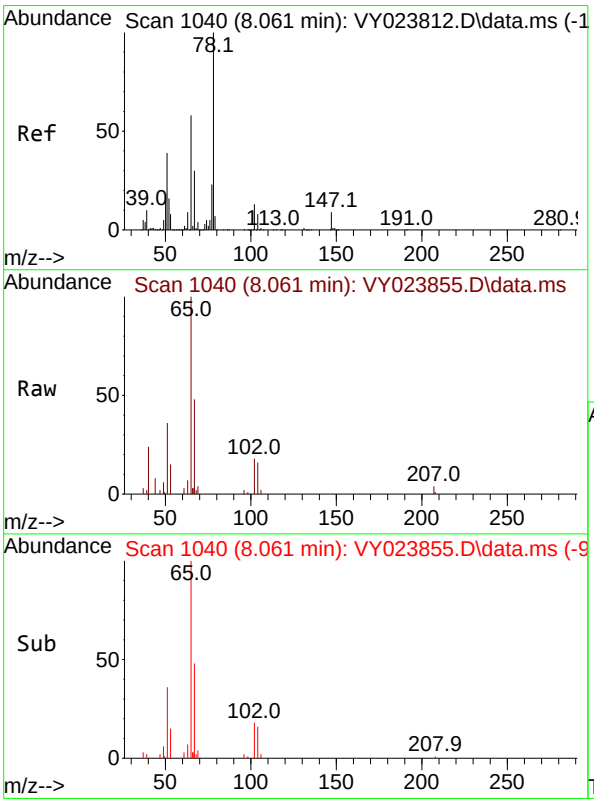
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Tgt Ion:168 Resp: 25955

Ion	Ratio	Lower	Upper
168	100		
99	53.6	44.0	66.0

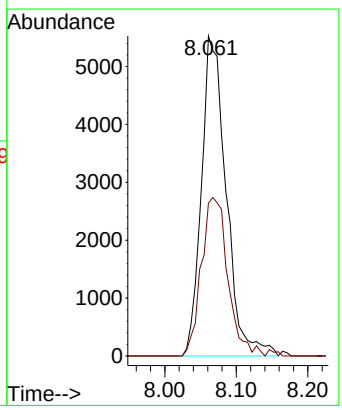


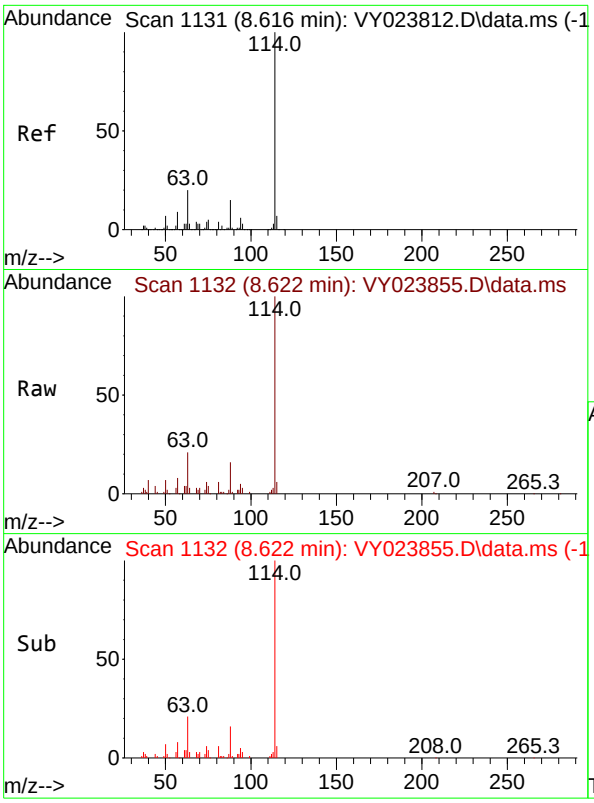


#33
1,2-Dichloroethane-d4
Concen: 52.575 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 65 Resp: 13289

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.4



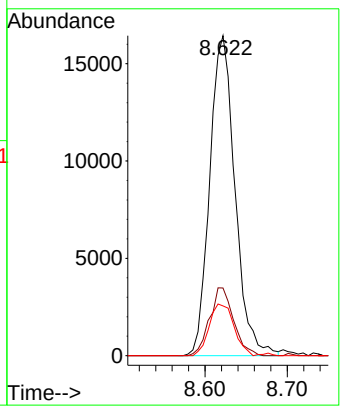


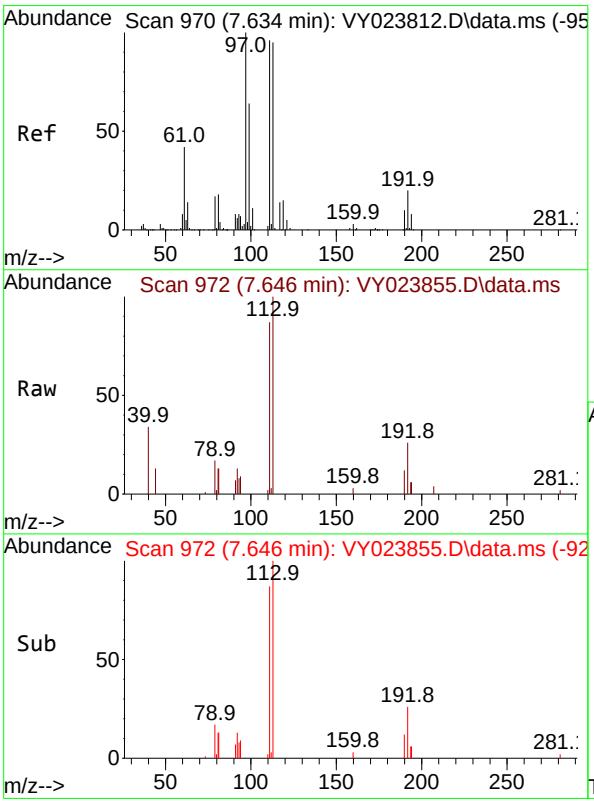
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Tgt Ion:114 Resp: 35095

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	39.4
88	15.5	0.0	30.8

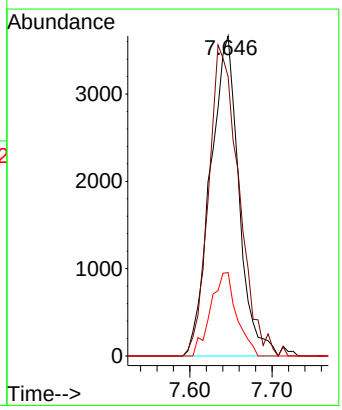


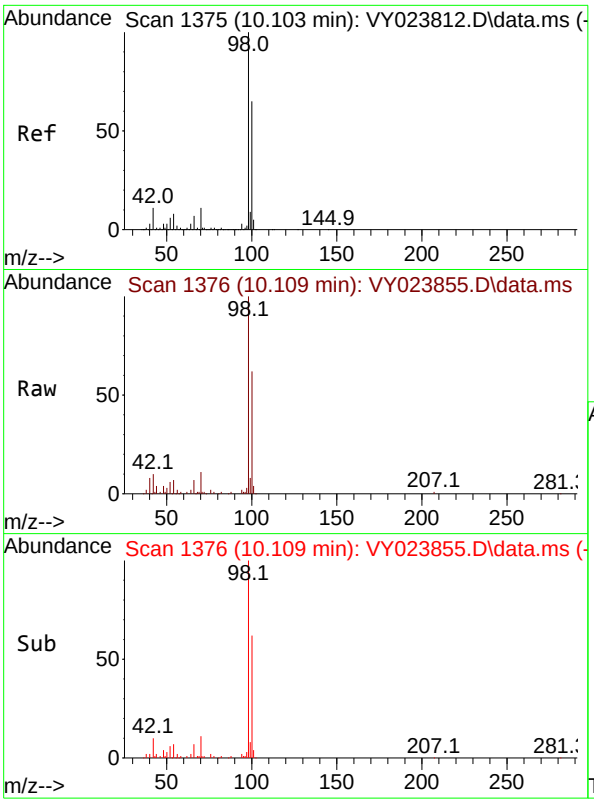


#35
Dibromofluoromethane
Concen: 42.295 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion:113 Resp: 8793

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.9	15.8	23.8#



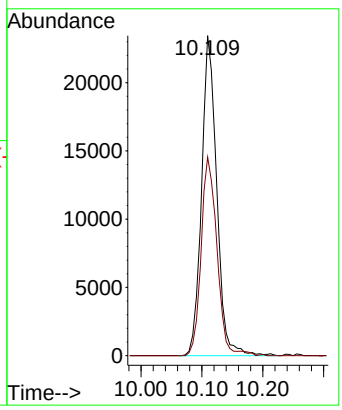


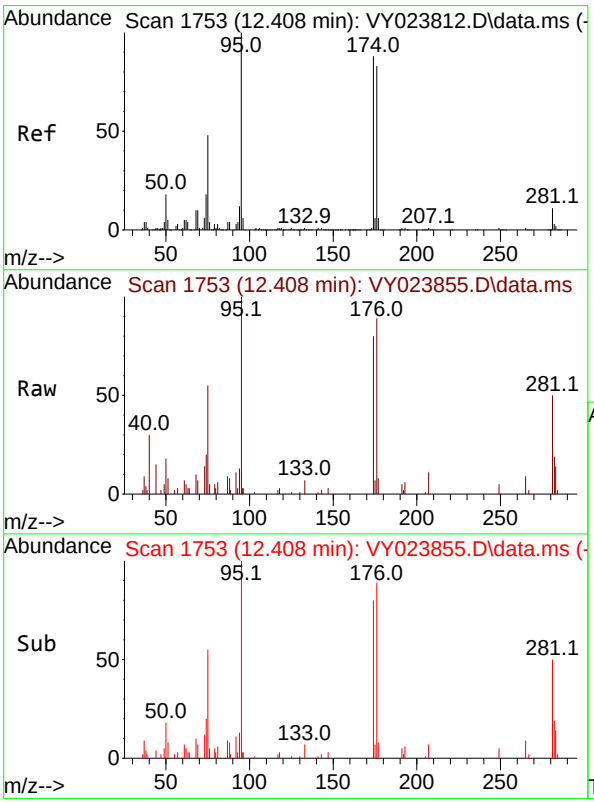
#50
Toluene-d8
Concen: 49.148 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Tgt Ion: 98 Resp: 40585

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9

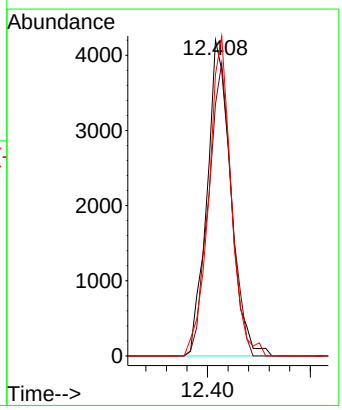


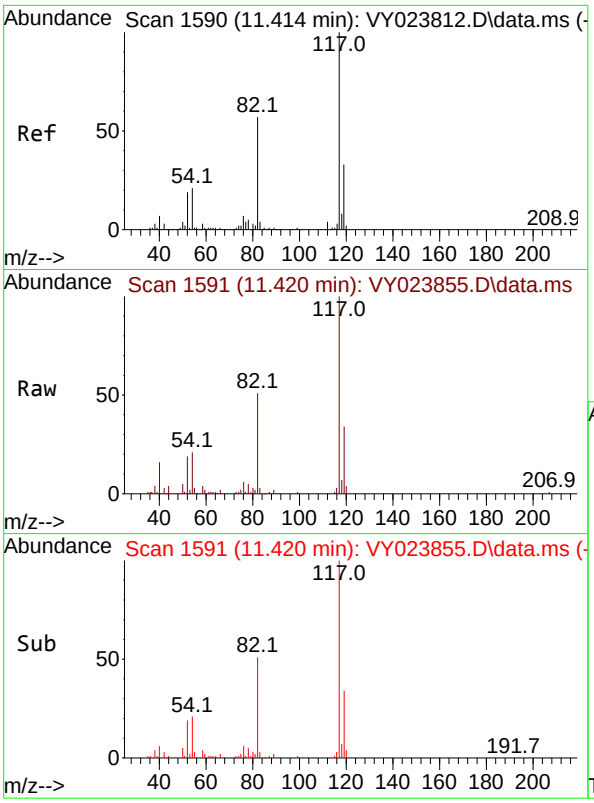


#62
4-Bromofluorobenzene
Concen: 24.747 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 95 Resp: 6724

Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	168.6
176	95.2	0.0	164.6



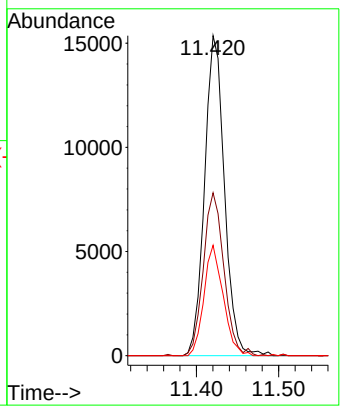


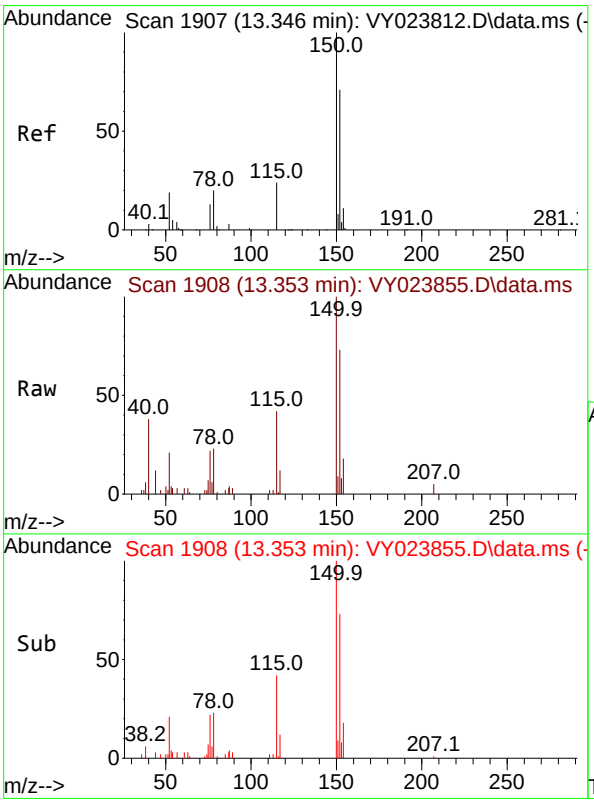
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

Tgt Ion:117 Resp: 25851

Ion	Ratio	Lower	Upper
117	100		
82	50.9	45.4	68.0
119	34.5	26.0	39.0

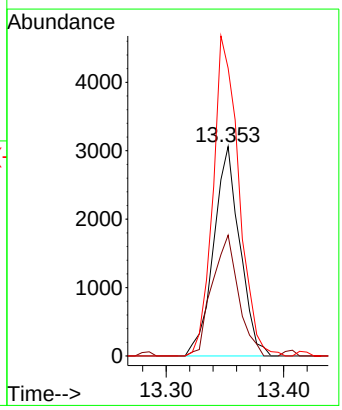




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion:152 Resp: 4746

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.7	86.3
150	150.8	0.0	345.6



Raw Data: **VY023840.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP11-112525	SDG No.:	Q3741
Lab Sample ID:	Q3741-05	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	84.6
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	1.40	U	1	1.40	6.20	ug/Kg	12/01/25 13:59	VY120125
74-87-3	Chloromethane	1.40	U	1	1.40	6.20	ug/Kg	12/01/25 13:59	VY120125
75-01-4	Vinyl Chloride	0.98	U	1	0.98	6.20	ug/Kg	12/01/25 13:59	VY120125
74-83-9	Bromomethane	1.30	U	1	1.30	6.20	ug/Kg	12/01/25 13:59	VY120125
75-00-3	Chloroethane	1.60	U	1	1.60	6.20	ug/Kg	12/01/25 13:59	VY120125
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.20	ug/Kg	12/01/25 13:59	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.20	ug/Kg	12/01/25 13:59	VY120125
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.20	ug/Kg	12/01/25 13:59	VY120125
67-64-1	Acetone	24.7	J	1	5.90	30.9	ug/Kg	12/01/25 13:59	VY120125
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.20	ug/Kg	12/01/25 13:59	VY120125
1634-04-4	Methyl tert-butyl Ether	0.90	U	1	0.90	6.20	ug/Kg	12/01/25 13:59	VY120125
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.20	ug/Kg	12/01/25 13:59	VY120125
75-09-2	Methylene Chloride	4.40	U	1	4.40	12.4	ug/Kg	12/01/25 13:59	VY120125
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
75-34-3	1,1-Dichloroethane	0.99	U	1	0.99	6.20	ug/Kg	12/01/25 13:59	VY120125
110-82-7	Cyclohexane	0.98	U	1	0.98	6.20	ug/Kg	12/01/25 13:59	VY120125
78-93-3	2-Butanone	8.10	U	1	8.10	30.9	ug/Kg	12/01/25 13:59	VY120125
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.20	ug/Kg	12/01/25 13:59	VY120125
156-59-2	cis-1,2-Dichloroethene	0.93	U	1	0.93	6.20	ug/Kg	12/01/25 13:59	VY120125
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.20	ug/Kg	12/01/25 13:59	VY120125
67-66-3	Chloroform	1.00	U	1	1.00	6.20	ug/Kg	12/01/25 13:59	VY120125
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
108-87-2	Methylcyclohexane	2.70	J	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
71-43-2	Benzene	0.98	U	1	0.98	6.20	ug/Kg	12/01/25 13:59	VY120125
107-06-2	1,2-Dichloroethane	0.98	U	1	0.98	6.20	ug/Kg	12/01/25 13:59	VY120125
79-01-6	Trichloroethene	1.00	U	1	1.00	6.20	ug/Kg	12/01/25 13:59	VY120125
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
75-27-4	Bromodichloromethane	0.96	U	1	0.96	6.20	ug/Kg	12/01/25 13:59	VY120125
108-10-1	4-Methyl-2-Pentanone	4.40	U	1	4.40	30.9	ug/Kg	12/01/25 13:59	VY120125
108-88-3	Toluene	2.10	J	1	0.96	6.20	ug/Kg	12/01/25 13:59	VY120125
10061-02-6	t-1,3-Dichloropropene	0.80	U	1	0.80	6.20	ug/Kg	12/01/25 13:59	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.77	U	1	0.77	6.20	ug/Kg	12/01/25 13:59	VY120125
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
591-78-6	2-Hexanone	4.60	U	1	4.60	30.9	ug/Kg	12/01/25 13:59	VY120125
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.20	ug/Kg	12/01/25 13:59	VY120125
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125
100-41-4	Ethyl Benzene	2.50	J	1	0.83	6.20	ug/Kg	12/01/25 13:59	VY120125
179601-23-1	m/p-Xylenes	11.4	J	1	1.50	12.4	ug/Kg	12/01/25 13:59	VY120125
95-47-6	o-Xylene	7.40		1	1.00	6.20	ug/Kg	12/01/25 13:59	VY120125
100-42-5	Styrene	0.88	U	1	0.88	6.20	ug/Kg	12/01/25 13:59	VY120125
75-25-2	Bromoform	1.10	U	1	1.10	6.20	ug/Kg	12/01/25 13:59	VY120125

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP11-112525	SDG No.:	Q3741
Lab Sample ID:	Q3741-05	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	84.6
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	1.30	J	1	0.96	6.20	ug/Kg	12/01/25 13:59	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.20	ug/Kg	12/01/25 13:59	VY120125
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.20	ug/Kg	12/01/25 13:59	VY120125
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.20	ug/Kg	12/01/25 13:59	VY120125
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.20	ug/Kg	12/01/25 13:59	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1	2.30	6.20	ug/Kg	12/01/25 13:59	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.70	U	1	3.70	6.20	ug/Kg	12/01/25 13:59	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.90	U	1	3.90	6.20	ug/Kg	12/01/25 13:59	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.9			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	31.3	*		70 - 134	63%	SPK: 50		
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	35.5			52 - 138	71%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	153000							
540-36-3	1,4-Difluorobenzene	238000							
3114-55-4	Chlorobenzene-d5	180000							
3855-82-1	1,4-Dichlorobenzene-d4	60500							
TENTATIVE IDENTIFIED COMPOUNDS									
103-65-1	n-propylbenzene	4.30	J			12.6	ug/Kg		
000620-14-4	Benzene, 1-ethyl-3-methyl-	30.8	J			12.7	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	27.4	J			12.7	ug/Kg		
000526-73-8	Benzene, 1,2,3-trimethyl-	20.8	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	58.5	J			13.0	ug/Kg		
135-98-8	sec-Butylbenzene	1.70	J			13.2	ug/Kg		
99-87-6	p-Isopropyltoluene	1.30	J			13.3	ug/Kg		
104-51-8	n-Butylbenzene	2.50	J			13.6	ug/Kg		
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	20.2	J			13.8	ug/Kg		
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	28.4	J			13.9	ug/Kg		
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	20.9	J			14.2	ug/Kg		
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	31.8	J			14.3	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: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Quant Time: Dec 02 03:17:09 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

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	153282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	237639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	180054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	60548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79035	52.947	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.900%			
35) Dibromofluoromethane	7.640	113	44091	31.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.640%			
50) Toluene-d8	10.109	98	280533	50.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.408	95	65222	35.450	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 70.900%			
Target Compounds						Qvalue
16) Acetone	3.866	43	8600	19.996	ug/l #	72
39) Methylcyclohexane	9.109	83	6325	2.219	ug/l #	93
52) Toluene	10.170	92	6940	1.685	ug/l	99
67) Ethyl Benzene	11.524	91	13599	2.014	ug/l	98
68) m/p-Xylenes	11.627	106	23939	9.202	ug/l	98
69) o-Xylene	11.957	106	14690	6.023	ug/l	99
73) Isopropylbenzene	12.249	105	4643	1.080	ug/l	98
78) n-propylbenzene	12.597	91	17898	3.459	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	77616	22.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	165769	47.283	ug/l	97
85) sec-Butylbenzene	13.176	105	6400	1.376	ug/l #	58
86) p-Isopropyltoluene	13.292	119	4025	1.035	ug/l	82
89) n-Butylbenzene	13.615	91	7075m	1.984	ug/l	

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

Sample Results: **VY023840.D**

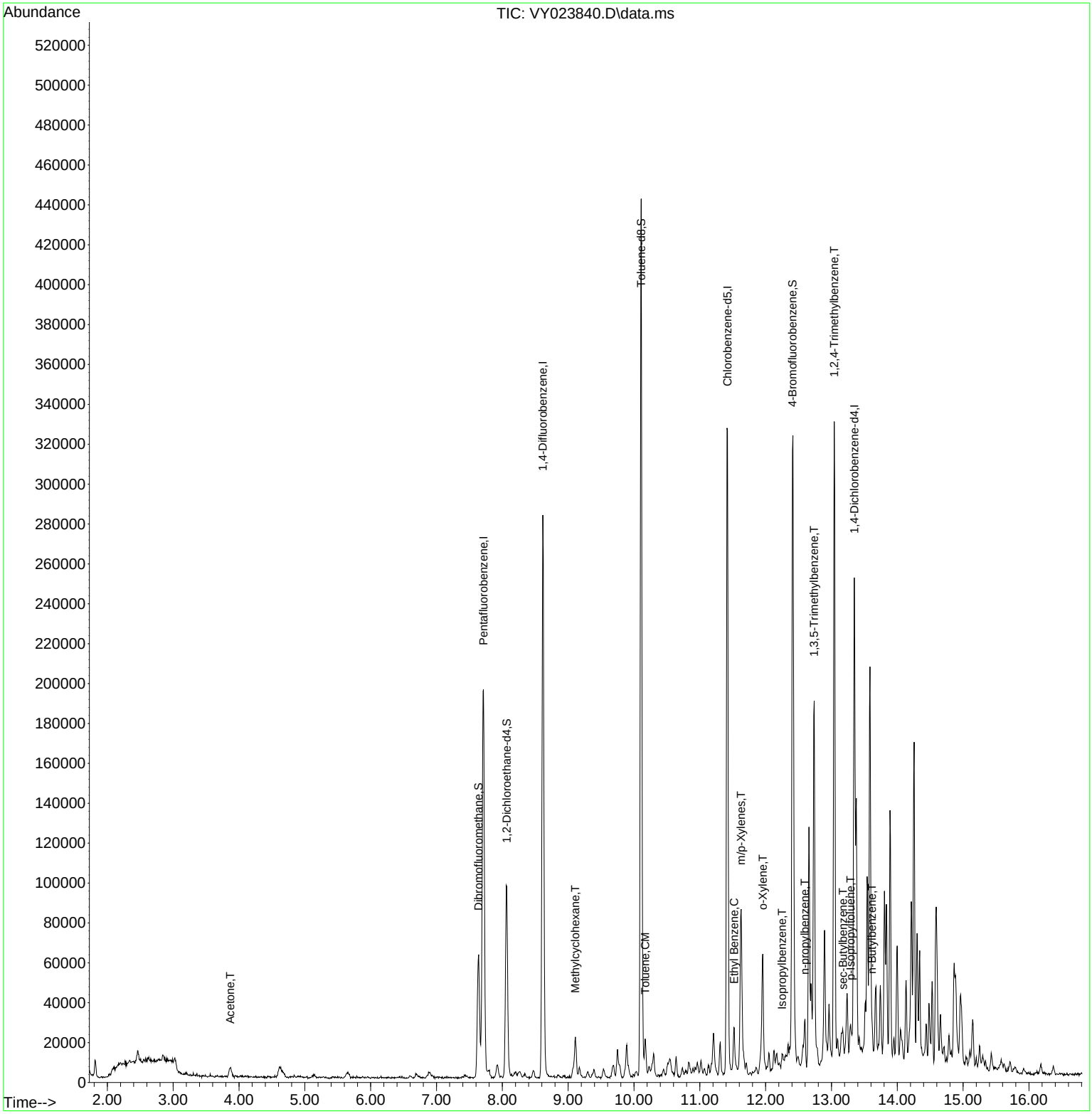
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

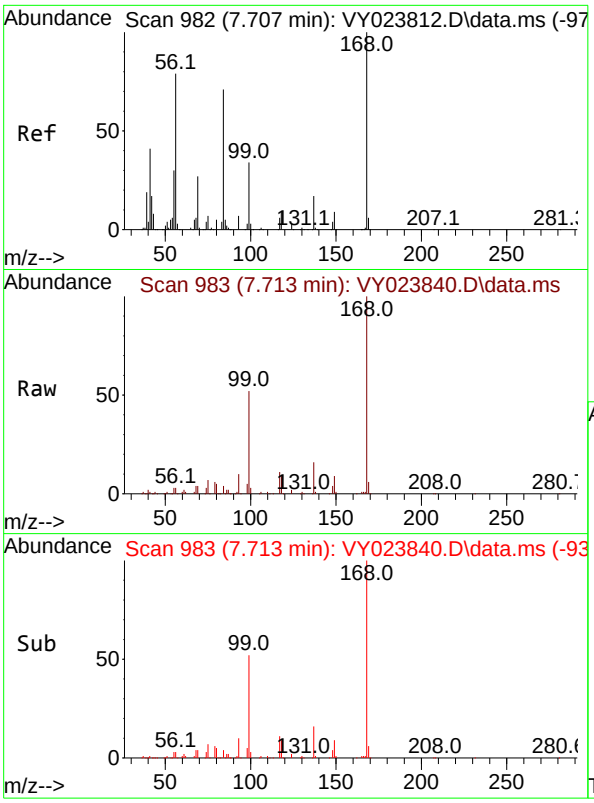
Quant Time: Dec 02 03:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

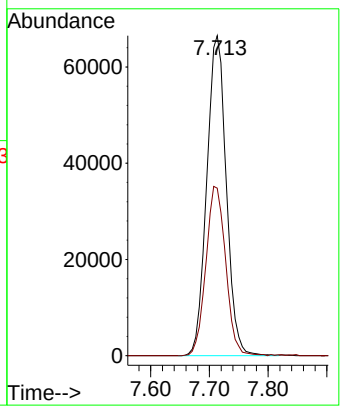
Tgt Ion:168 Resp: 15328

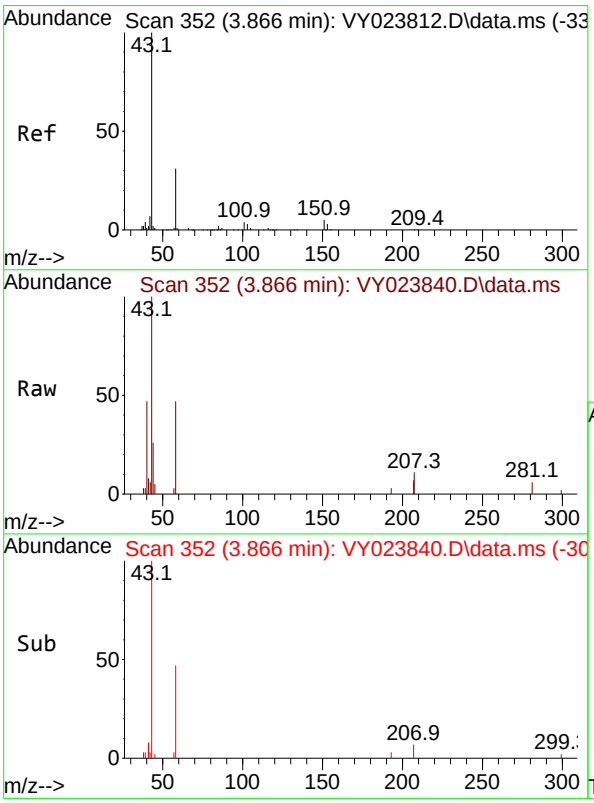
Ion	Ratio	Lower	Upper
168	100		
99	52.4	44.0	66.0

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

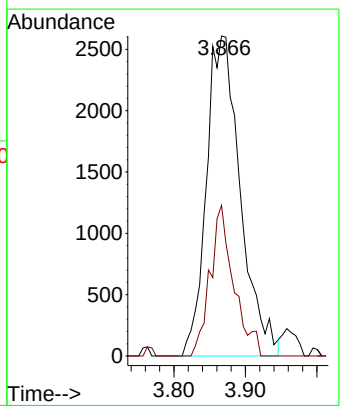


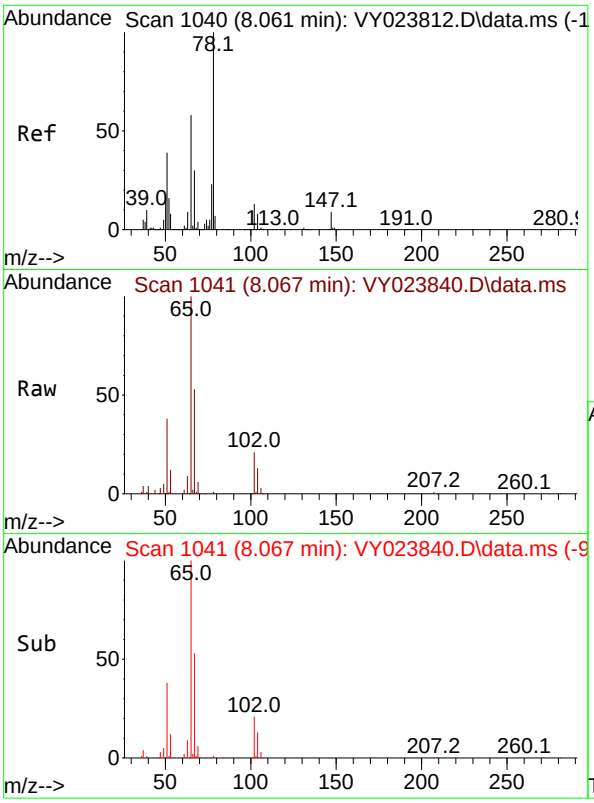


#16
Acetone
Concen: 19.996 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 43 Resp: 8600

Ion	Ratio	Lower	Upper
43	100		
58	47.1	25.4	38.2#

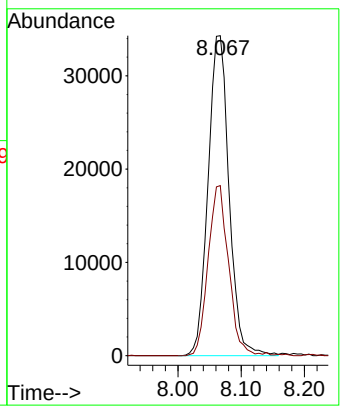




#33
1,2-Dichloroethane-d4
Concen: 52.947 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 65 Resp: 7903

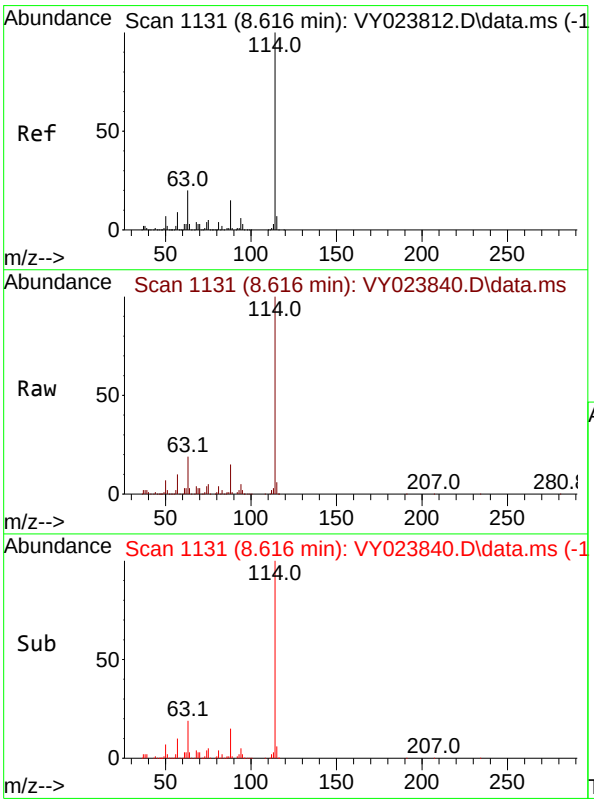
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	107.4



Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

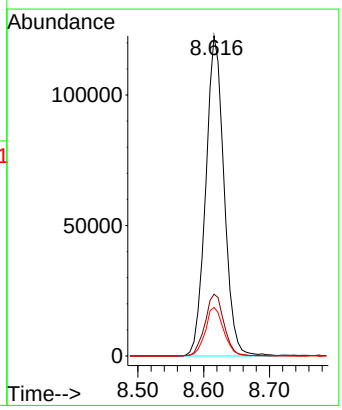
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

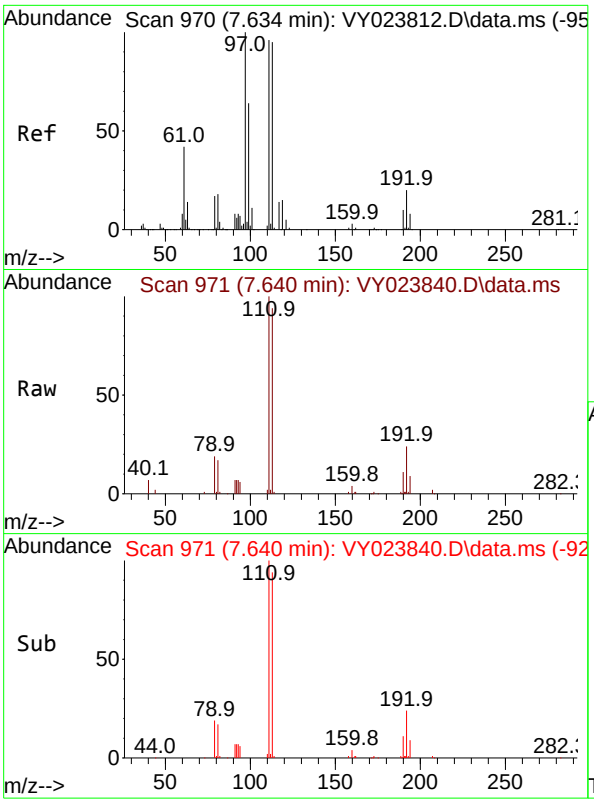


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:114 Resp: 237639

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.4
88	15.1	0.0	30.8





#35
Dibromofluoromethane
Concen: 31.320 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

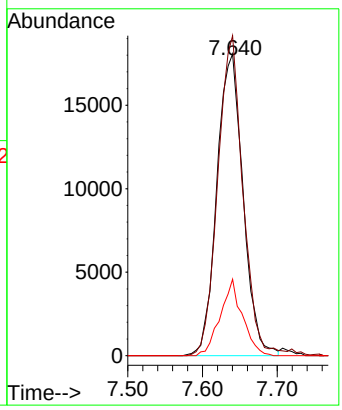
Tgt Ion:113 Resp: 4409

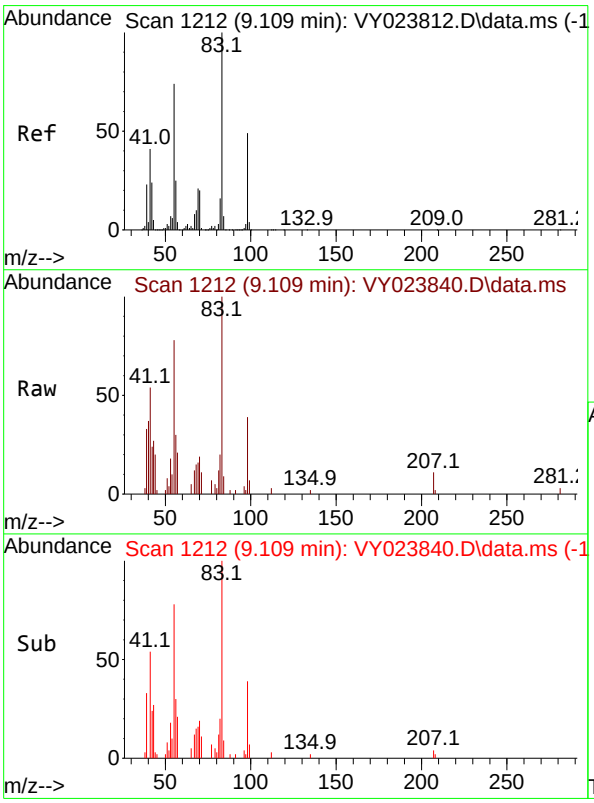
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.0
192	21.4	15.8	23.8

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

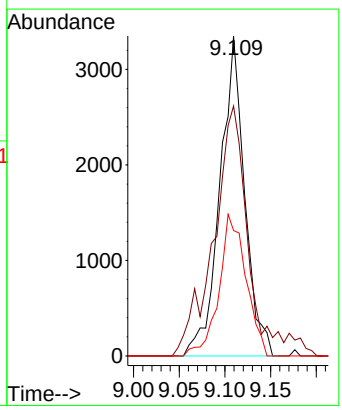


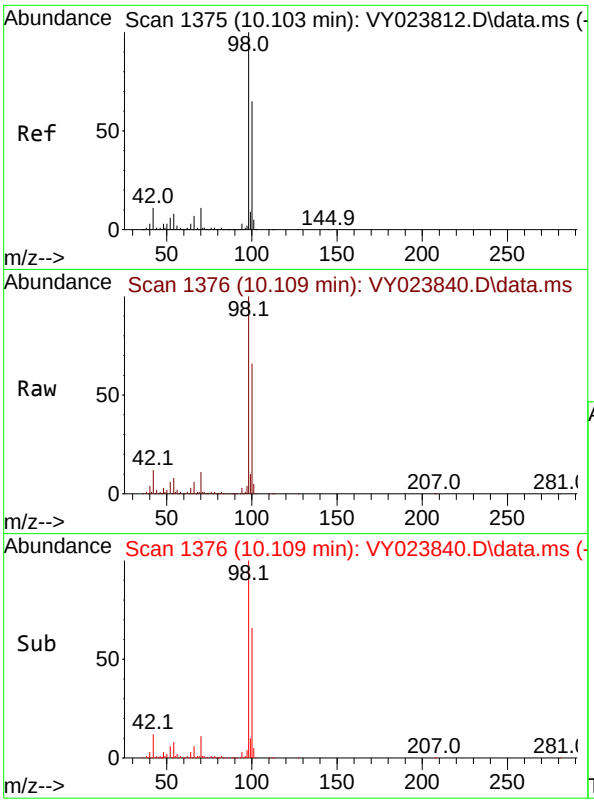


#39
Methylcyclohexane
Concen: 2.219 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 83 Resp: 6325

Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.4	89.2
98	39.2	39.5	59.3#





#50
Toluene-d8
Concen: 50.171 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

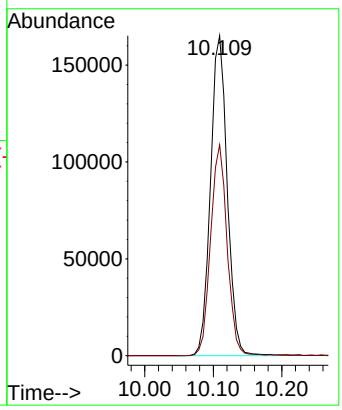
Tgt Ion: 98 Resp: 28053

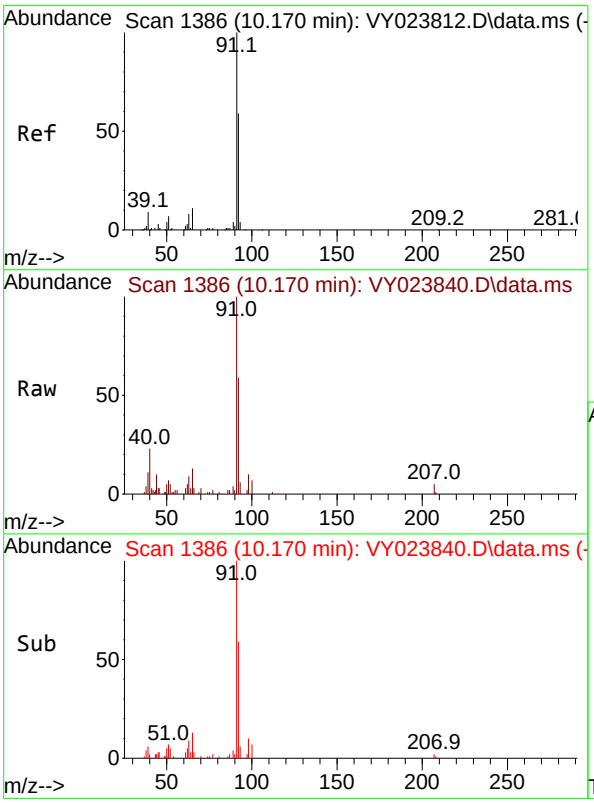
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

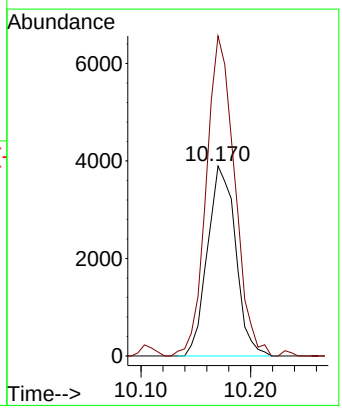


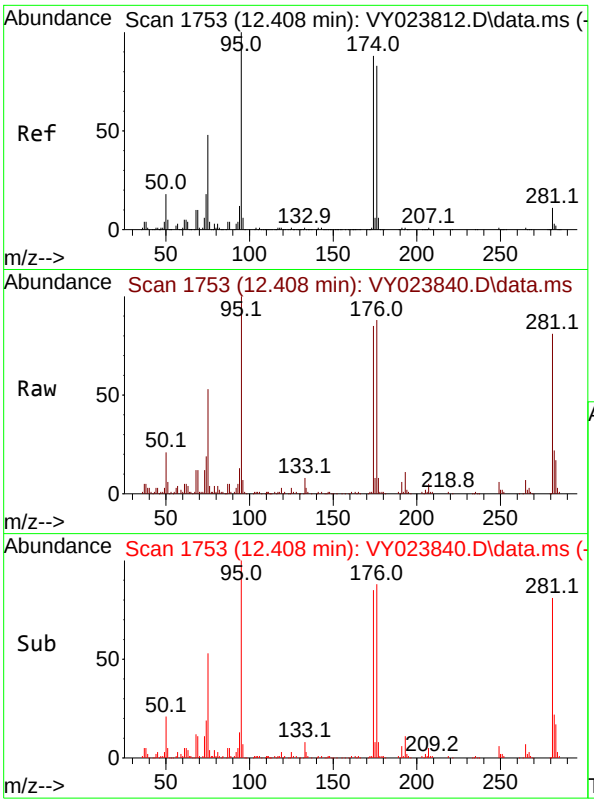


#52
Toluene
Concen: 1.685 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 92 Resp: 6940

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.8	205.2

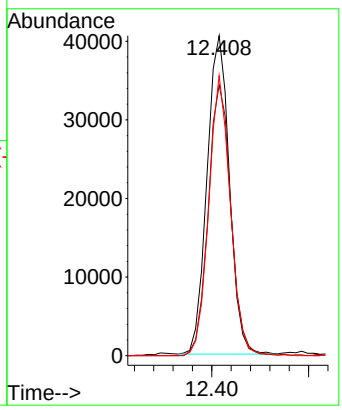




#62
4-Bromofluorobenzene
Concen: 35.450 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 95 Resp: 6522

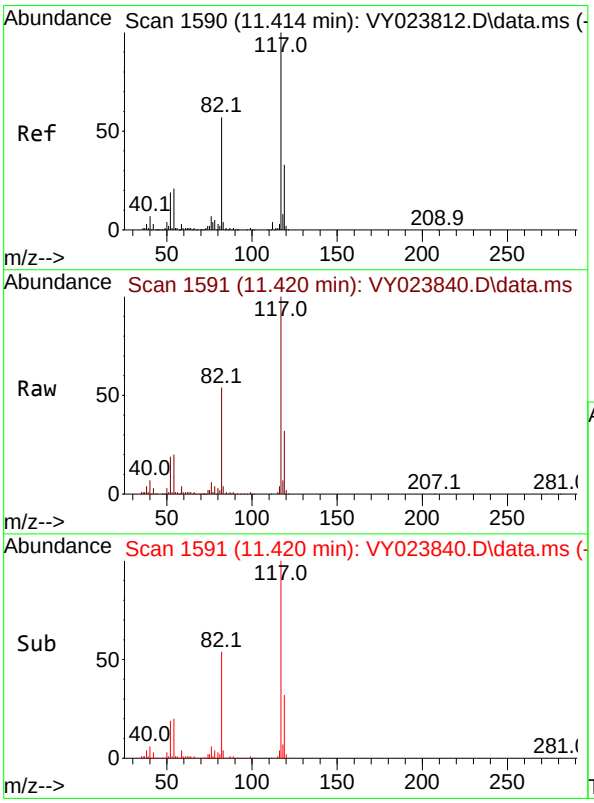
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	168.6
176	84.4	0.0	164.6



Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

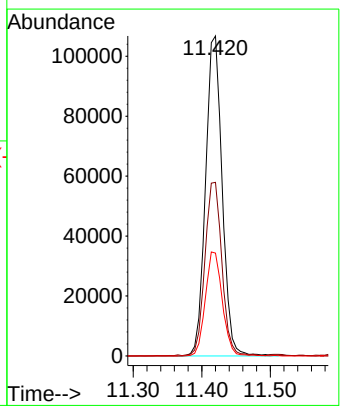
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

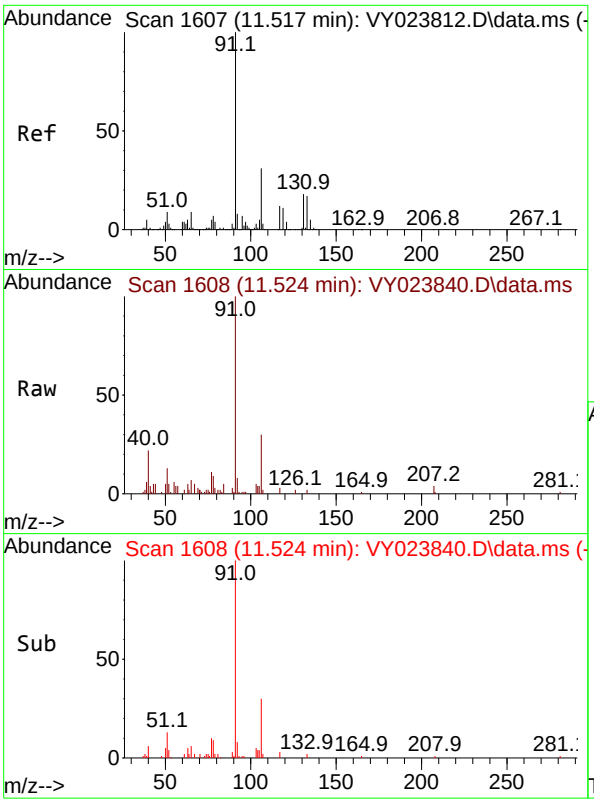


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:117 Resp: 180054

Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.4	68.0
119	32.1	26.0	39.0

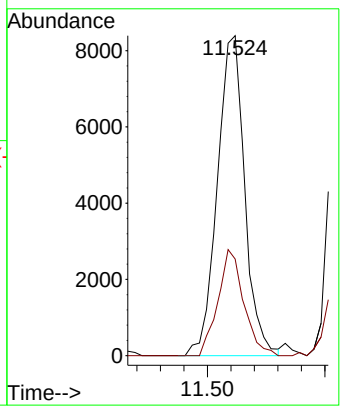




#67
Ethyl Benzene
Concen: 2.014 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 91 Resp: 1359

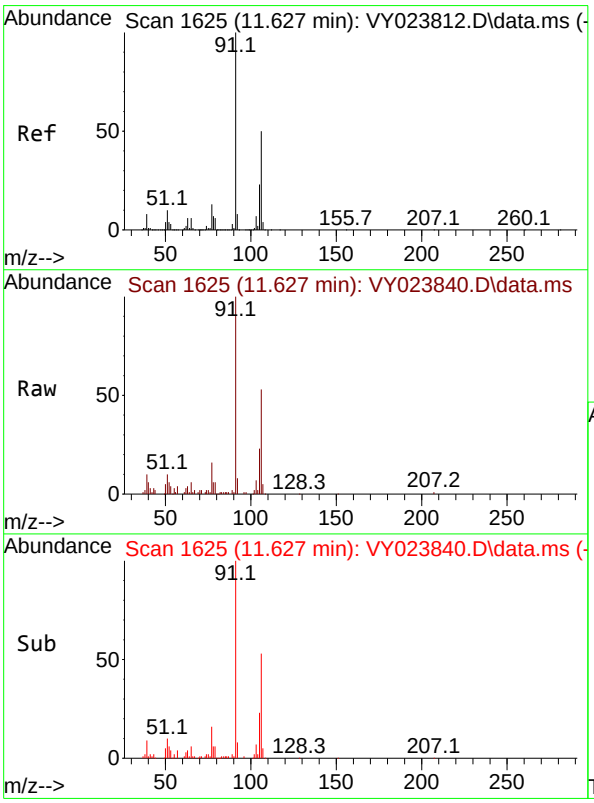
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

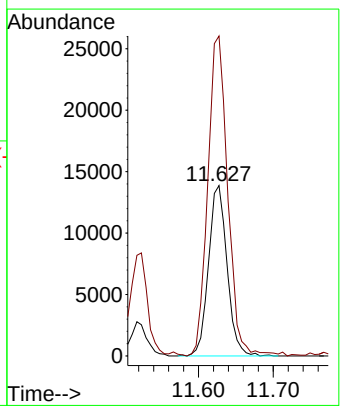
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

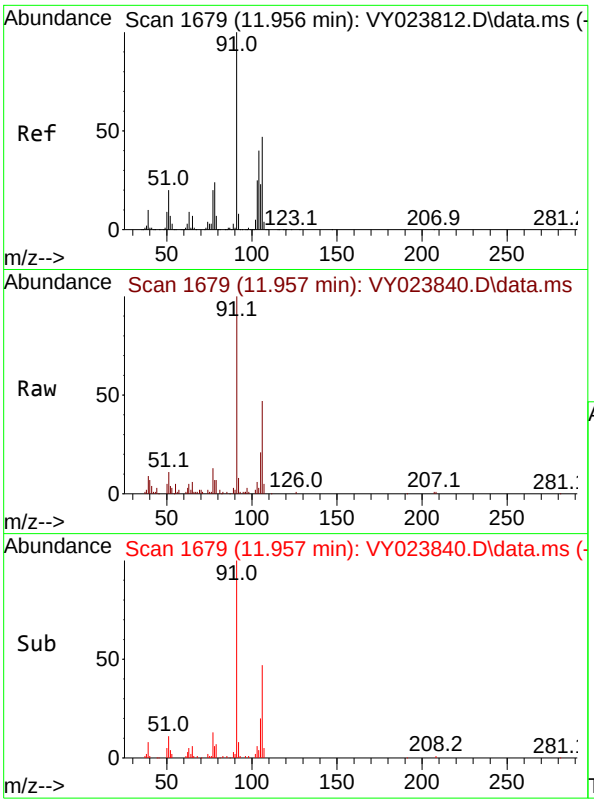


#68
m/p-Xylenes
Concen: 9.202 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:106 Resp: 23939

Ion	Ratio	Lower	Upper
106	100		
91	202.2	159.5	239.3





#69
o-Xylene
Concen: 6.023 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

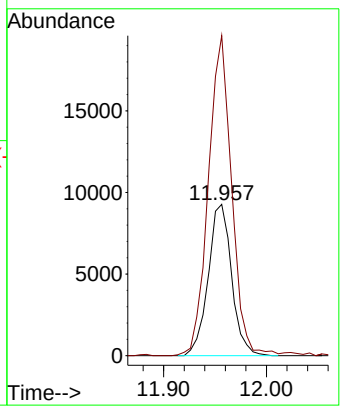
Tgt Ion:106 Resp: 1469

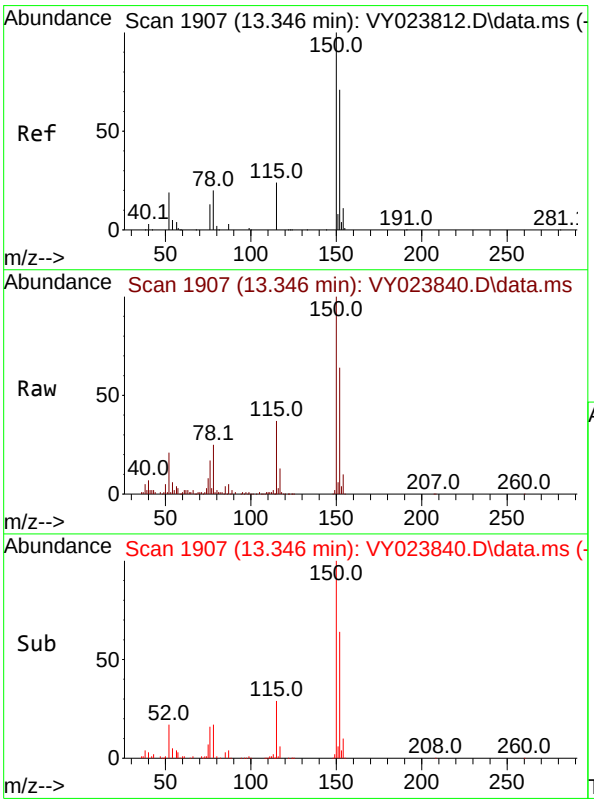
Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.5	319.6

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

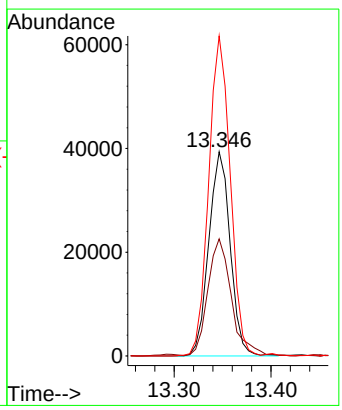


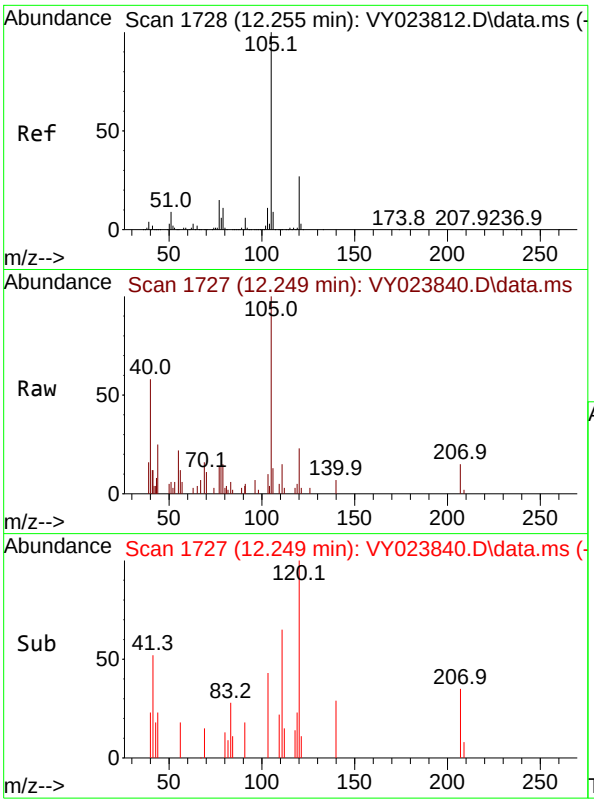


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:152 Resp: 60548

Ion	Ratio	Lower	Upper
152	100		
115	63.3	28.7	86.3
150	157.1	0.0	345.6





#73
Isopropylbenzene
Concen: 1.080 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

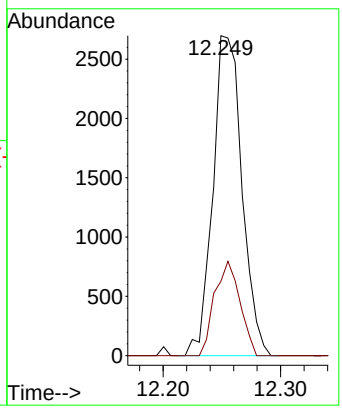
Tgt Ion:105 Resp: 464

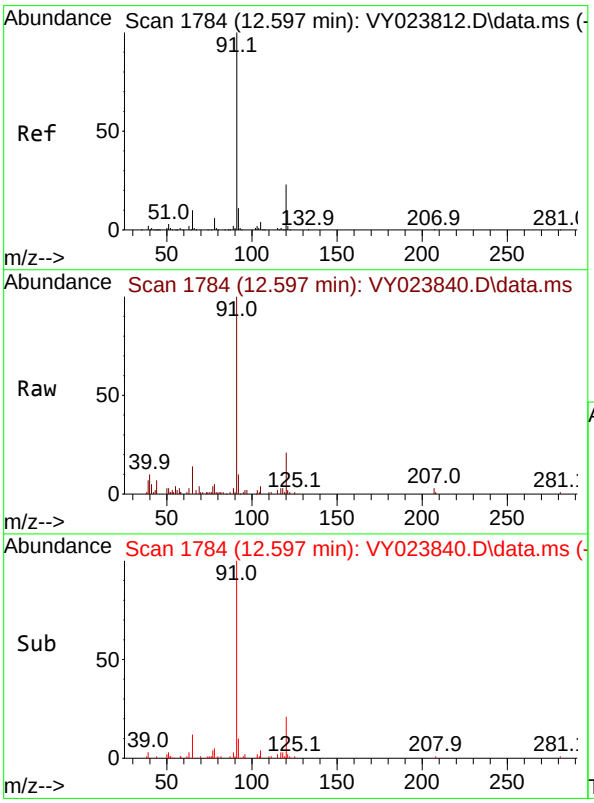
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.3	39.8

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

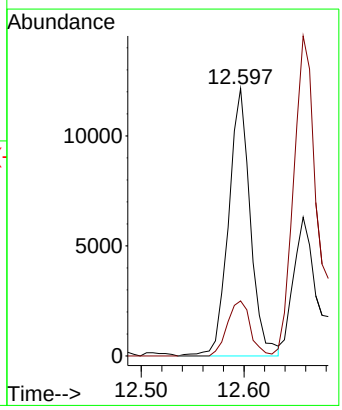


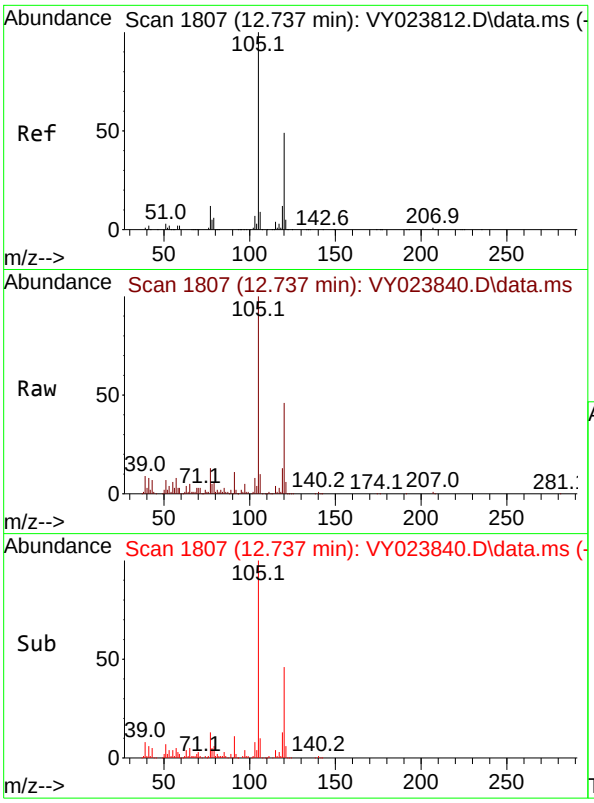


#78
n-propylbenzene
Concen: 3.459 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 91 Resp: 17898

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.6	34.8





#80
1,3,5-Trimethylbenzene
Concen: 22.125 ug/l
RT: 12.737 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

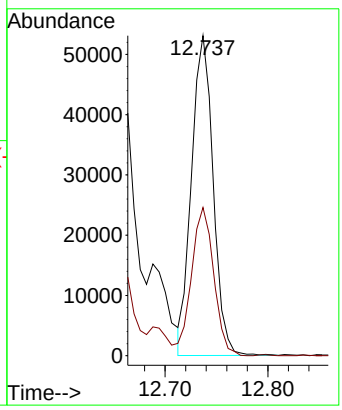
Tgt Ion:105 Resp: 7761

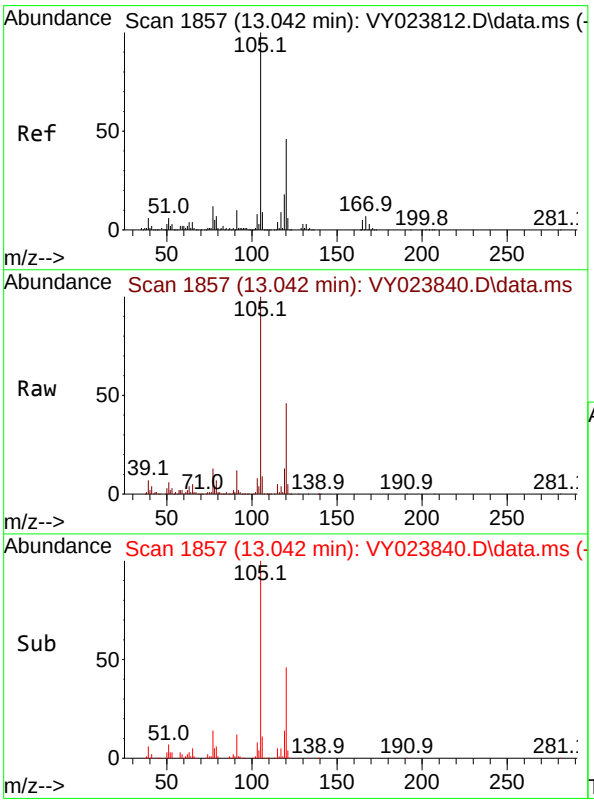
Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.6	73.8

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

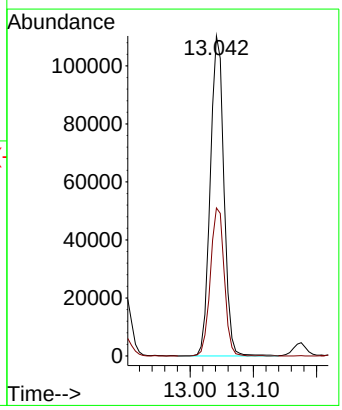


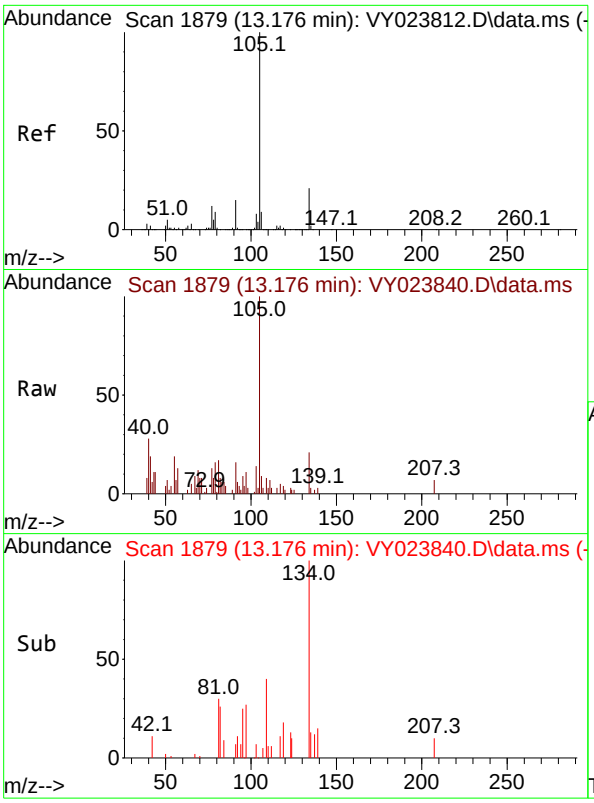


#84
1,2,4-Trimethylbenzene
Concen: 47.283 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:105 Resp: 165769

Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.5	67.5





#85
sec-Butylbenzene
Concen: 1.376 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

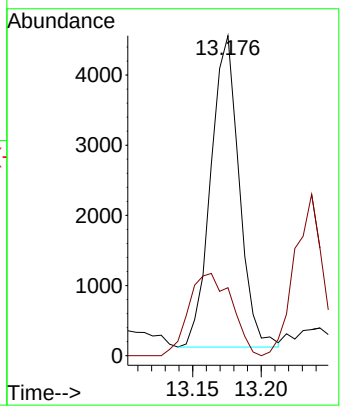
Tgt Ion:105 Resp: 640

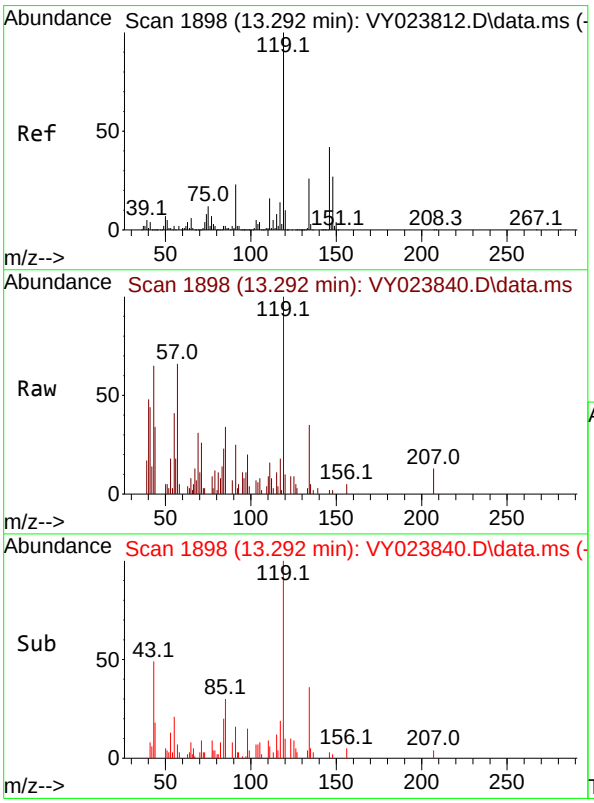
Ion	Ratio	Lower	Upper
105	100		
134	39.9	10.2	30.6

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

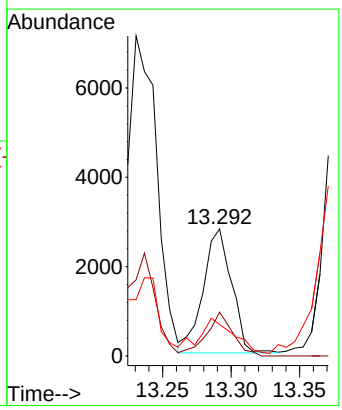


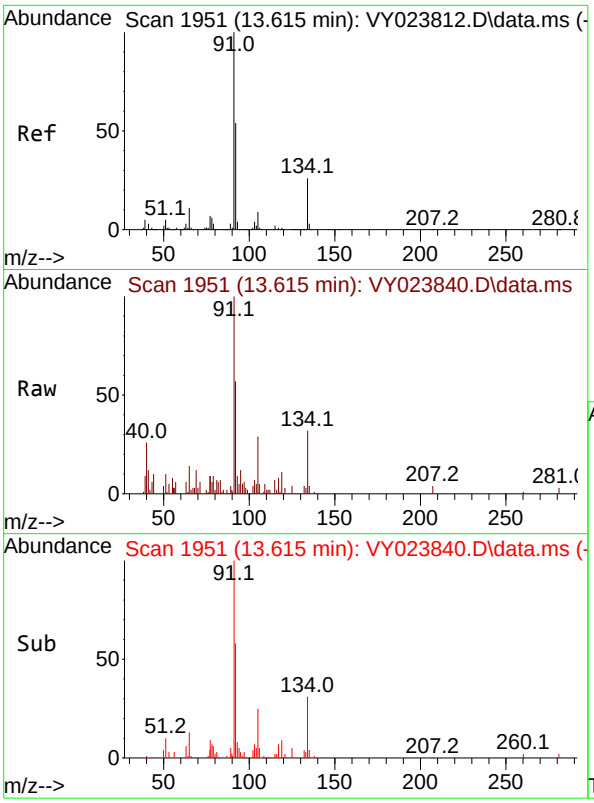


#86
p-Isopropyltoluene
Concen: 1.035 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion:119 Resp: 4025

Ion	Ratio	Lower	Upper
119	100		
134	33.0	13.1	39.3
91	33.8	11.5	34.4

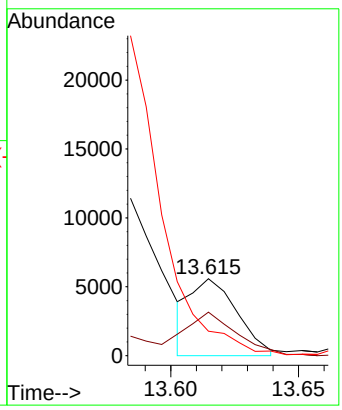




#89
n-Butylbenzene
Concen: 1.984 ug/l m
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023840.D
Acq: 01 Dec 2025 13:59

Tgt Ion: 91 Resp: 707

Ion	Ratio	Lower	Upper
91	100		
92	26.0	26.8	80.3#
134	511.1	13.0	39.0#



Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Sample Results: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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: VY023840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	21	rVB4	8164	12712	1.68%	0.152%
2	2.458	117	121	128	rBV5	5169	9309	1.23%	0.111%
3	3.025	210	214	221	rVB2	6322	14401	1.90%	0.172%
4	3.873	345	353	362	rVB4	5241	16519	2.18%	0.197%
5	4.616	467	475	477	rBV4	5399	12038	1.59%	0.144%
6	7.640	961	971	976	rBV2	61456	148951	19.64%	1.778%
7	7.713	976	983	994	rVB	192094	450345	59.39%	5.374%
8	7.927	1010	1018	1024	rBV4	6347	15253	2.01%	0.182%
9	8.061	1031	1040	1052	rBV	96482	223972	29.54%	2.673%
10	8.469	1099	1107	1112	rBV8	3698	7932	1.05%	0.095%
11	8.616	1122	1131	1147	rBV	282336	563234	74.28%	6.721%
12	9.109	1201	1212	1218	rBV4	20601	51112	6.74%	0.610%
13	9.170	1218	1222	1231	rVB6	5281	10185	1.34%	0.122%
14	9.390	1250	1258	1266	rVB9	4265	9898	1.31%	0.118%
15	9.536	1277	1282	1290	rBV5	4335	9341	1.23%	0.111%
16	9.689	1301	1307	1312	rBV7	5526	12499	1.65%	0.149%
17	9.750	1312	1317	1328	rVB5	14276	35772	4.72%	0.427%
18	9.890	1330	1340	1350	rBV2	16441	40139	5.29%	0.479%
19	10.109	1368	1376	1383	rVV	440004	758246	100.00%	9.049%
20	10.170	1383	1386	1392	rVV	18896	33392	4.40%	0.398%
21	10.231	1392	1396	1399	rVV6	5050	9550	1.26%	0.114%
22	10.298	1400	1407	1416	rVB7	11483	27333	3.60%	0.326%
23	10.512	1438	1442	1443	rVV3	6226	8499	1.12%	0.101%
24	10.542	1445	1447	1456	rVV6	8325	17861	2.36%	0.213%
25	10.640	1458	1463	1471	rVB4	10589	17729	2.34%	0.212%
26	10.737	1471	1479	1483	rBV5	4926	10083	1.33%	0.120%
27	10.829	1490	1494	1501	rBV3	5849	10980	1.45%	0.131%
28	11.018	1521	1525	1530	rVB4	6313	9234	1.22%	0.110%
29	11.127	1540	1543	1547	rBV5	4957	8101	1.07%	0.097%
30	11.207	1547	1556	1567	rVB4	21039	51744	6.82%	0.617%
31	11.310	1567	1573	1580	rBV3	16724	27535	3.63%	0.329%
32	11.414	1583	1590	1600	rBV	323811	558542	73.66%	6.665%
33	11.518	1602	1607	1616	rVV	23460	49526	6.53%	0.591%
34	11.627	1617	1625	1635	rVV	82879	185018	24.40%	2.208%
35	11.707	1635	1638	1644	rVB5	5838	8770	1.16%	0.105%
36	11.957	1667	1679	1687	rBV	60086	128201	16.91%	1.530%

Sample Results: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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

37	12.048	1691	1694	1698	rVB2	9104	13336	1.76%	0.159%
38	12.127	1703	1707	1710	rBV5	9187	14075	1.86%	0.168%
39	12.170	1710	1714	1718	rVB6	5864	9380	1.24%	0.112%
40	12.249	1724	1727	1731	rBV4	7186	13153	1.73%	0.157%
41	12.304	1733	1736	1739	rVV5	5630	10820	1.43%	0.129%
42	12.341	1739	1742	1744	rVV2	10395	13549	1.79%	0.162%
43	12.414	1747	1754	1763	rVB2	313888	615850	81.22%	7.349%
44	12.597	1774	1784	1788	rVB	24202	52379	6.91%	0.625%
45	12.658	1788	1794	1798	rBV	120548	196498	25.91%	2.345%
46	12.688	1798	1799	1802	rVV2	35472	41372	5.46%	0.494%
47	12.737	1802	1807	1814	rVB	174337	280448	36.99%	3.347%
48	12.895	1821	1833	1840	rBV	67819	132809	17.52%	1.585%
49	12.962	1840	1844	1851	rVB3	26111	37275	4.92%	0.445%
50	13.042	1851	1857	1863	rBV	318160	476283	62.81%	5.684%
51	13.090	1863	1865	1870	rVB4	8514	10952	1.44%	0.131%
52	13.151	1871	1875	1876	rBV2	10855	12849	1.69%	0.153%
53	13.237	1882	1889	1893	rBV2	30245	51804	6.83%	0.618%
54	13.292	1893	1898	1901	rVV5	13854	26744	3.53%	0.319%
55	13.346	1901	1907	1910	rVV	237318	394233	51.99%	4.705%
56	13.377	1910	1912	1917	rVV	126225	154681	20.40%	1.846%
57	13.517	1931	1935	1936	rBV2	21269	27462	3.62%	0.328%
58	13.542	1936	1939	1942	rVV	83215	116361	15.35%	1.389%
59	13.584	1942	1946	1955	rVB2	192703	312025	41.15%	3.724%
60	13.676	1956	1961	1965	rBV4	31947	48777	6.43%	0.582%
61	13.743	1968	1972	1977	rVB	34661	51959	6.85%	0.620%
62	13.804	1977	1982	1985	rBV	81864	128986	17.01%	1.539%
63	13.834	1985	1987	1991	rVB	69966	82105	10.83%	0.980%
64	13.889	1991	1996	2002	rVB	123097	181196	23.90%	2.162%
65	13.950	2002	2006	2008	rBV4	9019	11354	1.50%	0.135%
66	13.999	2008	2014	2018	rVB	54571	83128	10.96%	0.992%
67	14.048	2018	2022	2031	rVB5	14802	33233	4.38%	0.397%
68	14.133	2031	2036	2040	rBV	39503	59853	7.89%	0.714%
69	14.212	2040	2049	2052	rBV	75841	133511	17.61%	1.593%
70	14.255	2052	2056	2060	rVB	150657	203067	26.78%	2.423%
71	14.298	2060	2063	2067	rBV	54636	79468	10.48%	0.948%
72	14.340	2067	2070	2078	rVB3	52732	71824	9.47%	0.857%
73	14.438	2082	2086	2089	rVB4	16057	21266	2.80%	0.254%
74	14.480	2089	2093	2098	rBV3	26274	39431	5.20%	0.471%
75	14.529	2098	2101	2105	rVB3	40609	55051	7.26%	0.657%
76	14.590	2105	2111	2118	rBV4	77999	170728	22.52%	2.037%

Sample Results: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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

77	14.657	2118	2122	2128	rVB	19679	28352	3.74%	0.338%
78	14.712	2128	2131	2134	rVB4	7453	9970	1.31%	0.119%
79	14.785	2138	2143	2147	rBV2	13123	21690	2.86%	0.259%
80	14.865	2151	2156	2158	rBV	47129	79053	10.43%	0.943%
81	14.962	2167	2172	2181	rVB6	34909	84469	11.14%	1.008%
82	15.102	2191	2195	2197	rBV3	6519	8549	1.13%	0.102%
83	15.145	2197	2202	2207	rVB	23058	42275	5.58%	0.504%
84	15.249	2214	2219	2223	rBV5	10650	17448	2.30%	0.208%
85	15.297	2224	2227	2232	rVV7	6370	11150	1.47%	0.133%
86	15.425	2243	2248	2254	rBV5	9034	16988	2.24%	0.203%
87	15.712	2289	2295	2300	rVB7	4946	9628	1.27%	0.115%
88	16.181	2366	2372	2377	rBV3	4924	8464	1.12%	0.101%
89	16.370	2397	2403	2409	rVB5	4460	8370	1.10%	0.100%

Sum of corrected areas: 8379637

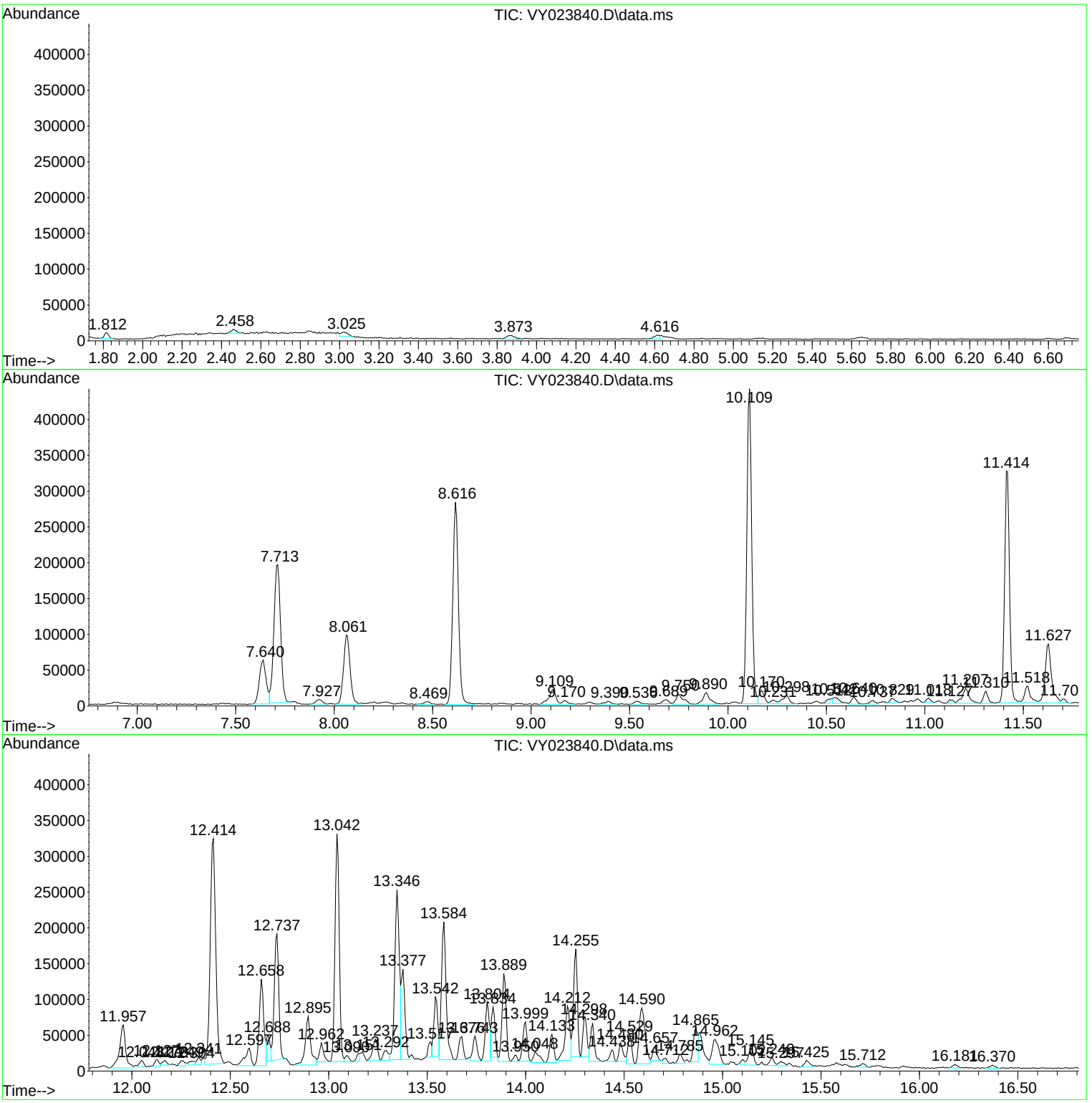
Sample Results: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

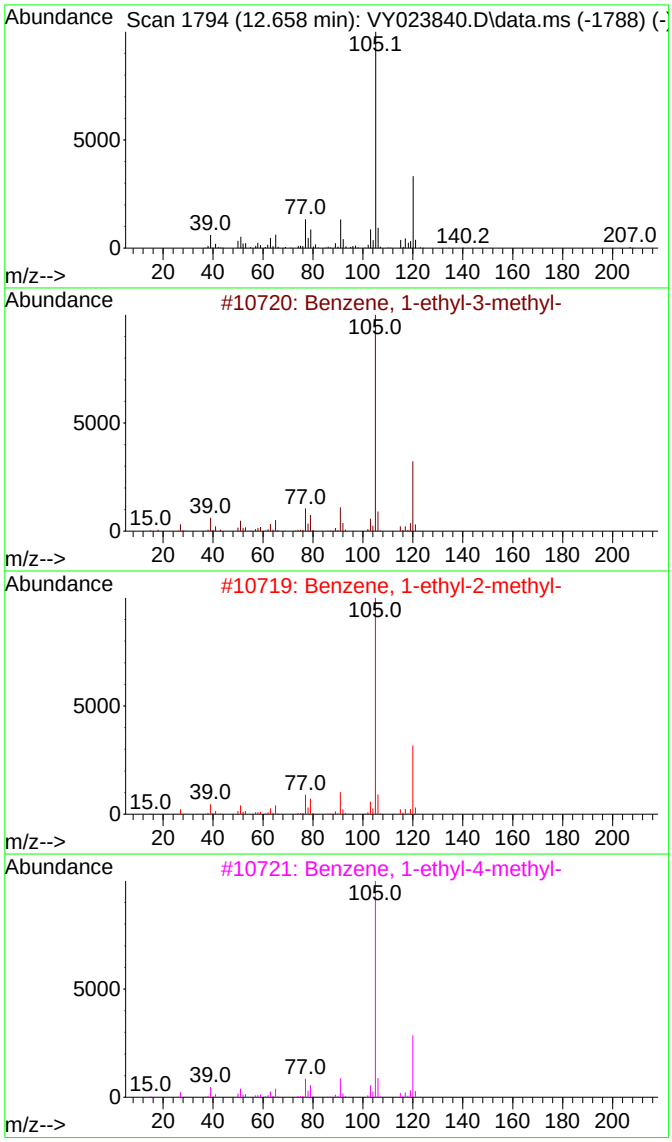
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

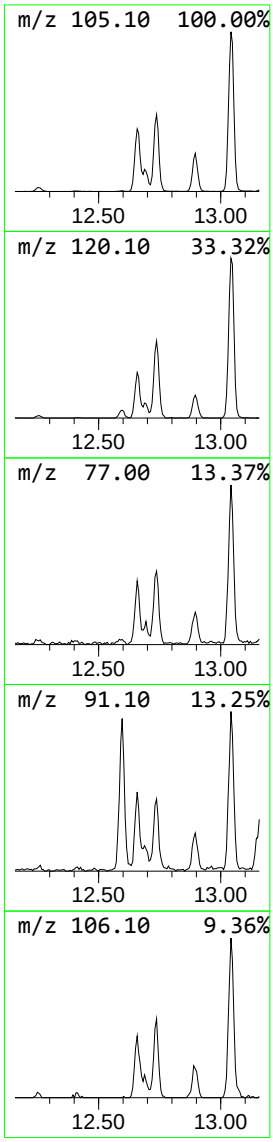
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	24.92 ug/l	196498	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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

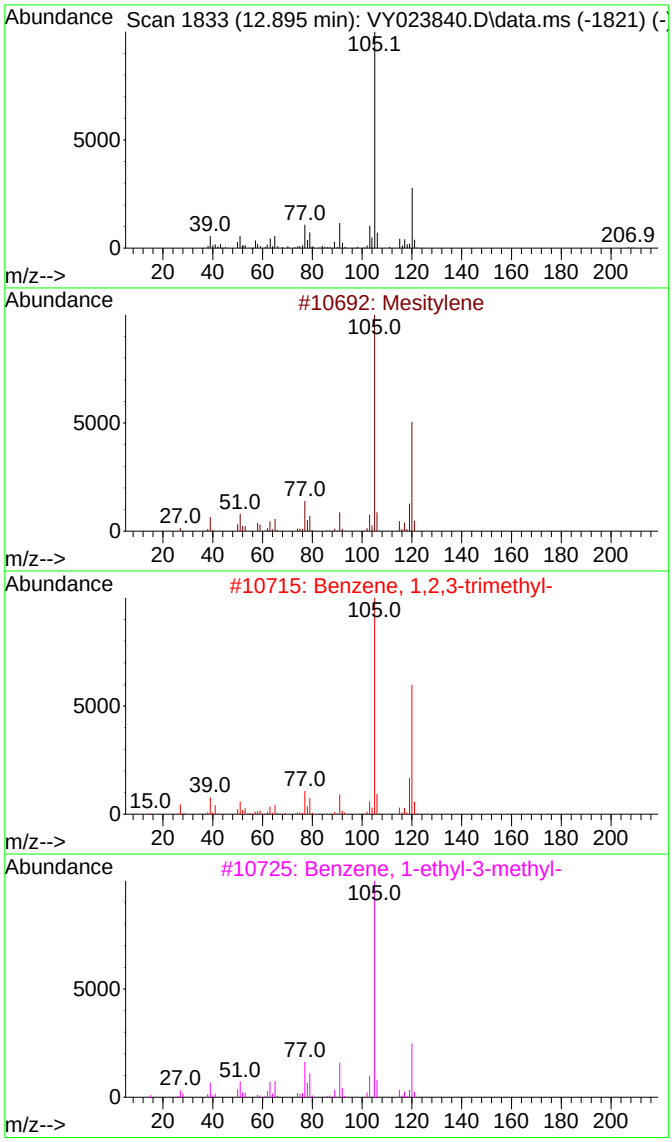
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

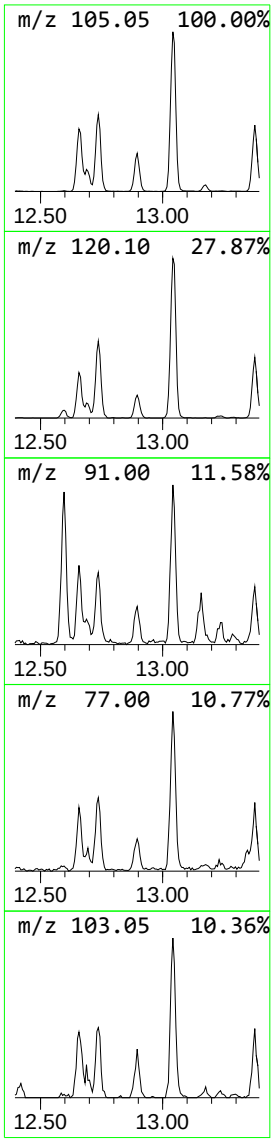
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.895	16.84 ug/l	132809	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

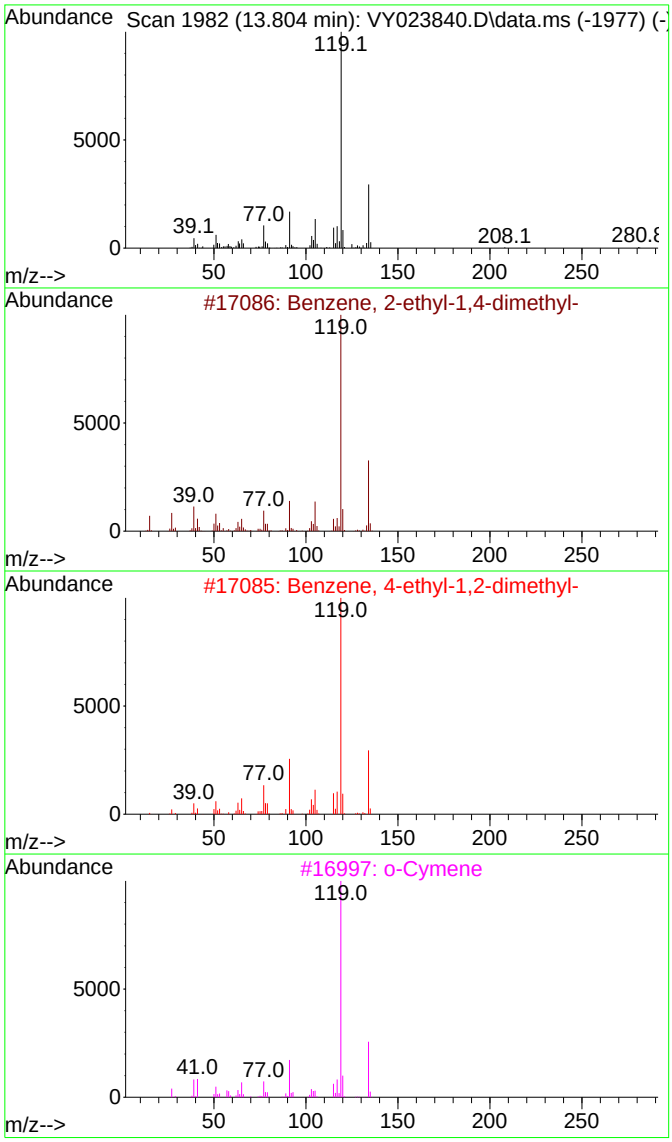
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

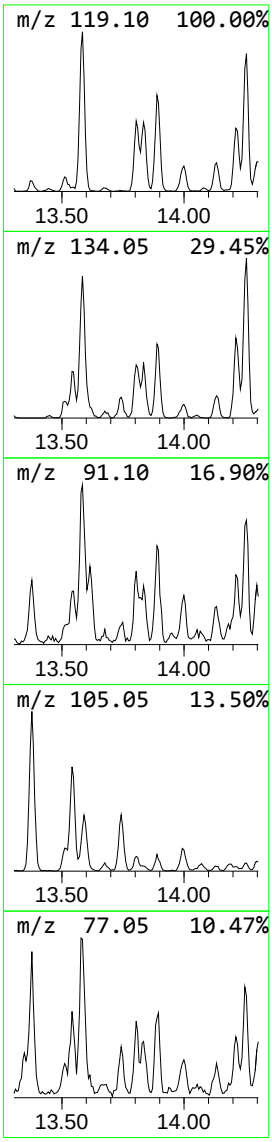
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	16.36 ug/l	128986	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

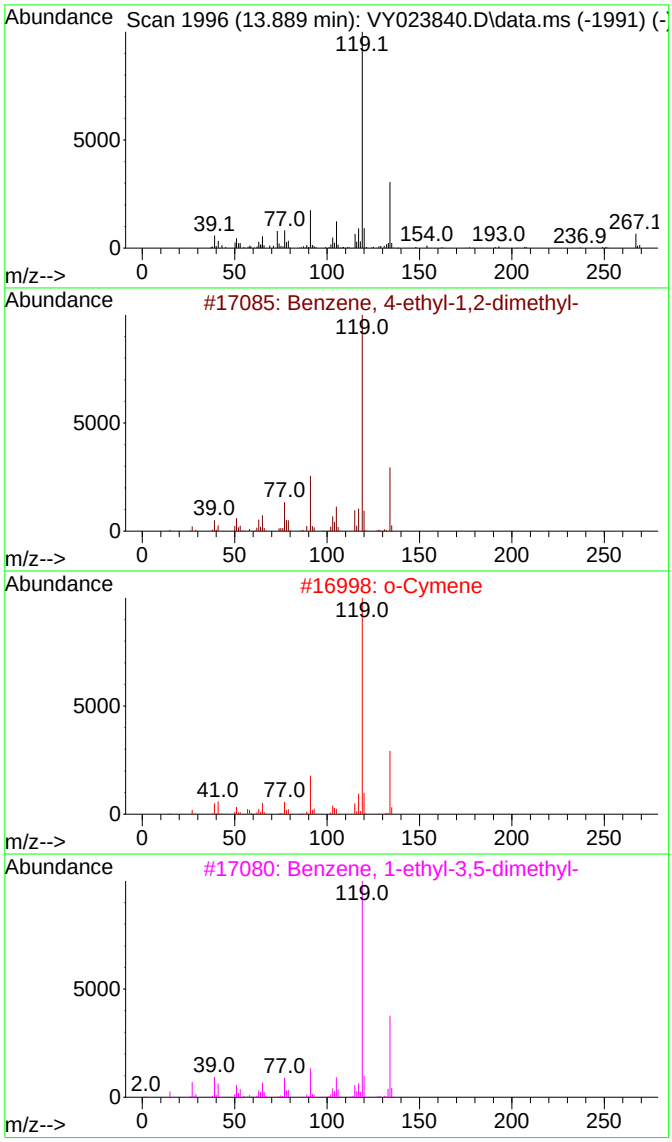
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

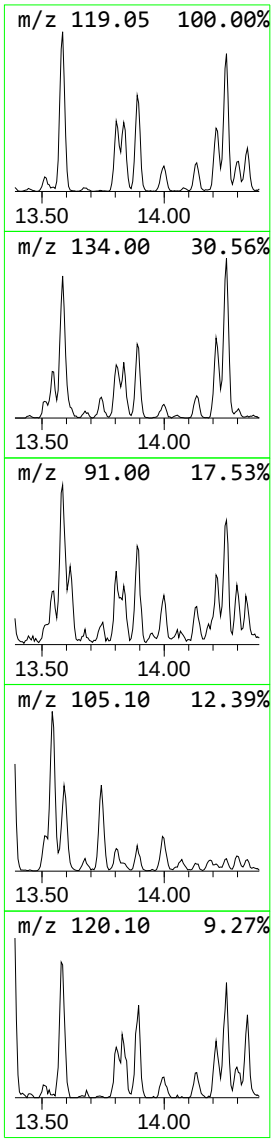
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	22.98 ug/l	181196	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

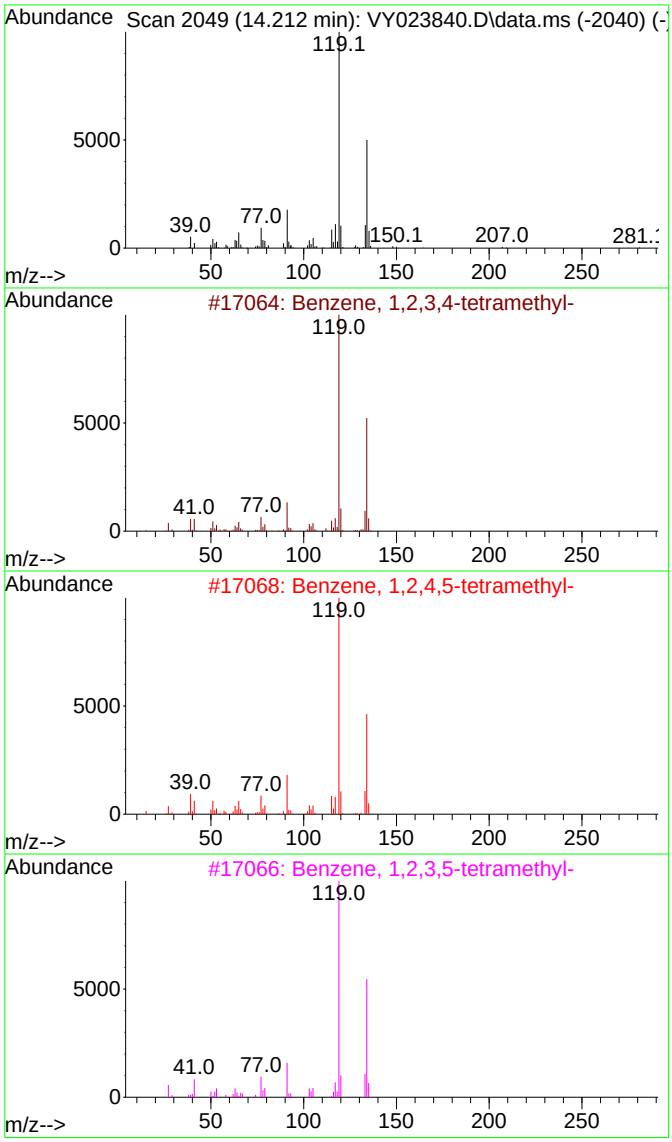
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

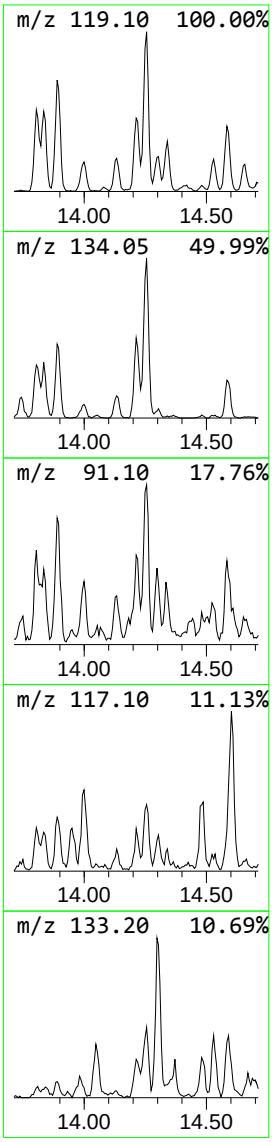
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	16.93 ug/l	133511	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

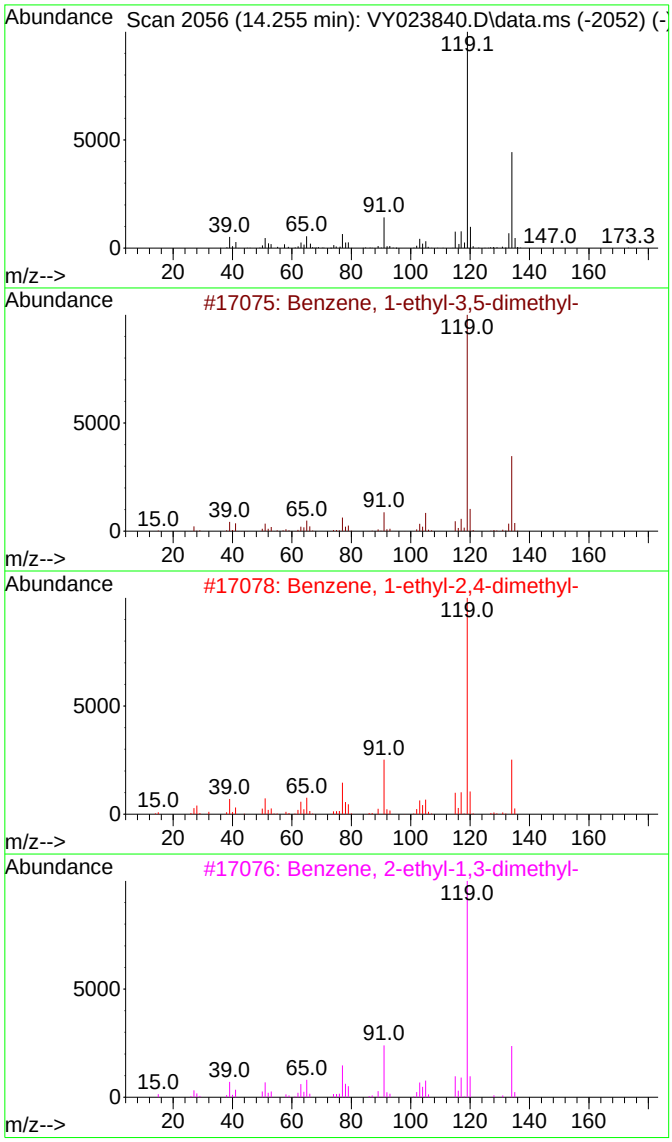
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

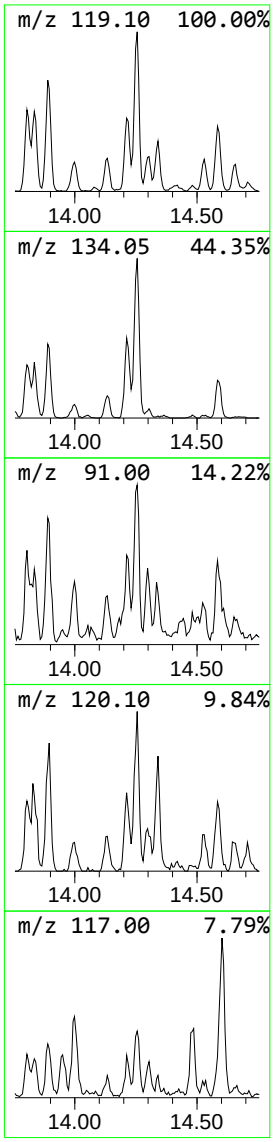
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	25.75 ug/l	203067	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Sample Results: **VY023840.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

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
Benzene, 1-ethy...	12.658	24.9	ug/l	196498	4	13.347	394233	50.0
Benzene, 1,2,3-...	12.895	16.8	ug/l	132809	4	13.347	394233	50.0
Benzene, 2-ethy...	13.804	16.4	ug/l	128986	4	13.347	394233	50.0
Benzene, 4-ethy...	13.889	23.0	ug/l	181196	4	13.347	394233	50.0
Benzene, 1,2,3,...	14.212	16.9	ug/l	133511	4	13.347	394233	50.0
Benzene, 1-ethy...	14.255	25.8	ug/l	203067	4	13.347	394233	50.0

Raw Data: **VY023856.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP11-112525RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-05RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	84.6
Sample Wt/Vol:	5.85 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	1.20	U	1	1.20	5.10	ug/Kg	12/02/25 13:18	VY120225
74-87-3	Chloromethane	1.20	U	1	1.20	5.10	ug/Kg	12/02/25 13:18	VY120225
75-01-4	Vinyl Chloride	0.80	U	1	0.80	5.10	ug/Kg	12/02/25 13:18	VY120225
74-83-9	Bromomethane	1.10	U	1	1.10	5.10	ug/Kg	12/02/25 13:18	VY120225
75-00-3	Chloroethane	1.30	U	1	1.30	5.10	ug/Kg	12/02/25 13:18	VY120225
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.10	ug/Kg	12/02/25 13:18	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.10	ug/Kg	12/02/25 13:18	VY120225
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.10	ug/Kg	12/02/25 13:18	VY120225
67-64-1	Acetone	18.8	J	1	4.80	25.3	ug/Kg	12/02/25 13:18	VY120225
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.10	ug/Kg	12/02/25 13:18	VY120225
1634-04-4	Methyl tert-butyl Ether	0.74	U	1	0.74	5.10	ug/Kg	12/02/25 13:18	VY120225
79-20-9	Methyl Acetate	1.60	U	1	1.60	5.10	ug/Kg	12/02/25 13:18	VY120225
75-09-2	Methylene Chloride	3.60	U	1	3.60	10.1	ug/Kg	12/02/25 13:18	VY120225
156-60-5	trans-1,2-Dichloroethene	0.87	U	1	0.87	5.10	ug/Kg	12/02/25 13:18	VY120225
75-34-3	1,1-Dichloroethane	0.81	U	1	0.81	5.10	ug/Kg	12/02/25 13:18	VY120225
110-82-7	Cyclohexane	0.80	U	1	0.80	5.10	ug/Kg	12/02/25 13:18	VY120225
78-93-3	2-Butanone	6.60	U	1	6.60	25.3	ug/Kg	12/02/25 13:18	VY120225
56-23-5	Carbon Tetrachloride	0.98	U	1	0.98	5.10	ug/Kg	12/02/25 13:18	VY120225
156-59-2	cis-1,2-Dichloroethene	0.76	U	1	0.76	5.10	ug/Kg	12/02/25 13:18	VY120225
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.10	ug/Kg	12/02/25 13:18	VY120225
67-66-3	Chloroform	0.85	U	1	0.85	5.10	ug/Kg	12/02/25 13:18	VY120225
71-55-6	1,1,1-Trichloroethane	0.94	U	1	0.94	5.10	ug/Kg	12/02/25 13:18	VY120225
108-87-2	Methylcyclohexane	1.90	J	1	0.92	5.10	ug/Kg	12/02/25 13:18	VY120225
71-43-2	Benzene	0.80	U	1	0.80	5.10	ug/Kg	12/02/25 13:18	VY120225
107-06-2	1,2-Dichloroethane	0.80	U	1	0.80	5.10	ug/Kg	12/02/25 13:18	VY120225
79-01-6	Trichloroethene	0.82	U	1	0.82	5.10	ug/Kg	12/02/25 13:18	VY120225
78-87-5	1,2-Dichloropropane	0.92	U	1	0.92	5.10	ug/Kg	12/02/25 13:18	VY120225
75-27-4	Bromodichloromethane	0.79	U	1	0.79	5.10	ug/Kg	12/02/25 13:18	VY120225
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.3	ug/Kg	12/02/25 13:18	VY120225
108-88-3	Toluene	2.10	J	1	0.79	5.10	ug/Kg	12/02/25 13:18	VY120225
10061-02-6	t-1,3-Dichloropropene	0.66	U	1	0.66	5.10	ug/Kg	12/02/25 13:18	VY120225
10061-01-5	cis-1,3-Dichloropropene	0.63	U	1	0.63	5.10	ug/Kg	12/02/25 13:18	VY120225
79-00-5	1,1,2-Trichloroethane	0.93	U	1	0.93	5.10	ug/Kg	12/02/25 13:18	VY120225
591-78-6	2-Hexanone	3.70	U	1	3.70	25.3	ug/Kg	12/02/25 13:18	VY120225
124-48-1	Dibromochloromethane	0.88	U	1	0.88	5.10	ug/Kg	12/02/25 13:18	VY120225
106-93-4	1,2-Dibromoethane	0.89	U	1	0.89	5.10	ug/Kg	12/02/25 13:18	VY120225
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.10	ug/Kg	12/02/25 13:18	VY120225
108-90-7	Chlorobenzene	0.92	U	1	0.92	5.10	ug/Kg	12/02/25 13:18	VY120225
100-41-4	Ethyl Benzene	3.70	J	1	0.68	5.10	ug/Kg	12/02/25 13:18	VY120225
179601-23-1	m/p-Xylenes	18.6		1	1.30	10.1	ug/Kg	12/02/25 13:18	VY120225
95-47-6	o-Xylene	11.6		1	0.83	5.10	ug/Kg	12/02/25 13:18	VY120225
100-42-5	Styrene	0.72	U	1	0.72	5.10	ug/Kg	12/02/25 13:18	VY120225
75-25-2	Bromoform	0.87	U	1	0.87	5.10	ug/Kg	12/02/25 13:18	VY120225

Raw Data: **VY023856.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP11-112525RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-05RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	84.6
Sample Wt/Vol:	5.85 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	1.70	J	1	0.79	5.10	ug/Kg	12/02/25 13:18	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.10	ug/Kg	12/02/25 13:18	VY120225
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.10	ug/Kg	12/02/25 13:18	VY120225
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.10	ug/Kg	12/02/25 13:18	VY120225
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.10	ug/Kg	12/02/25 13:18	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1	1.90	5.10	ug/Kg	12/02/25 13:18	VY120225
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.10	ug/Kg	12/02/25 13:18	VY120225
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.10	ug/Kg	12/02/25 13:18	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.1			63 - 155	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	29.5	*		70 - 134	59%	SPK: 50		
2037-26-5	Toluene-d8	51.4			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.2			52 - 138	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	438000							
540-36-3	1,4-Difluorobenzene	779000							
3114-55-4	Chlorobenzene-d5	644000							
3855-82-1	1,4-Dichlorobenzene-d4	232000							

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 : VY023856.D
Acq On : 02 Dec 2025 13:18
Operator : SY/MD
Sample : Q3741-05RE
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Quant Time: Dec 03 01:03:09 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

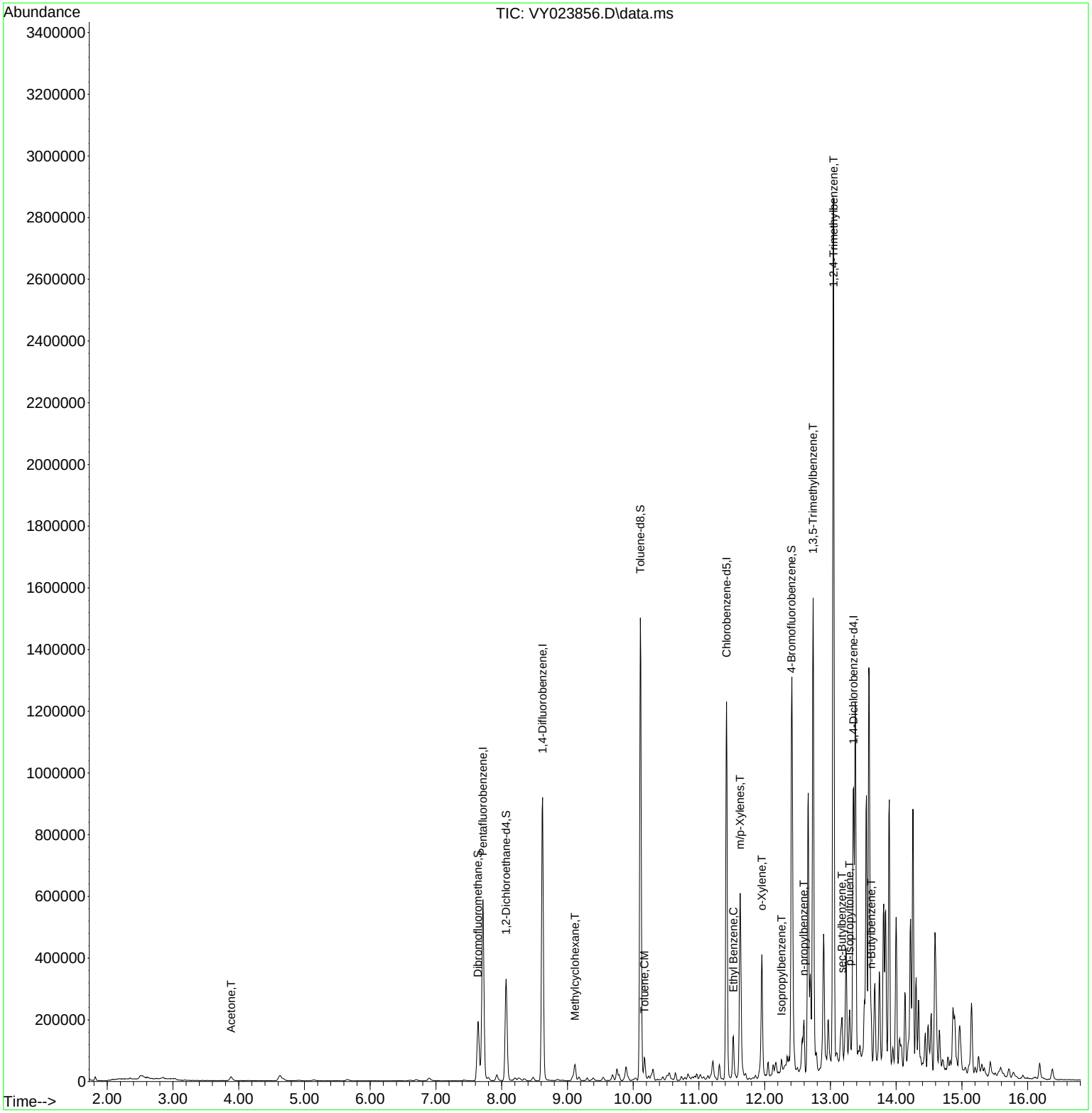
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	438040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	779211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	232370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	256472	60.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.240%			
35) Dibromofluoromethane	7.640	113	136301	29.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 59.060%			
50) Toluene-d8	10.109	98	942973	51.431	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.407	95	254757	42.229	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.460%			
Target Compounds						Qvalue
16) Acetone	3.885	43	22873	18.610	ug/l	97
39) Methylcyclohexane	9.115	83	17749	1.899	ug/l	93
52) Toluene	10.170	92	27673	2.050	ug/l	94
67) Ethyl Benzene	11.523	91	88290	3.659	ug/l	99
68) m/p-Xylenes	11.627	106	171586	18.453	ug/l	100
69) o-Xylene	11.956	106	100354	11.512	ug/l	99
73) Isopropylbenzene	12.255	105	27259	1.653	ug/l	97
78) n-propylbenzene	12.596	91	122993	6.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	627983	46.645	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1531343	113.814	ug/l	99
85) sec-Butylbenzene	13.176	105	77023	4.314	ug/l #	65
86) p-Isopropyltoluene	13.291	119	69500	4.657	ug/l	100
89) n-Butylbenzene	13.621	91	78724	5.754	ug/l #	69

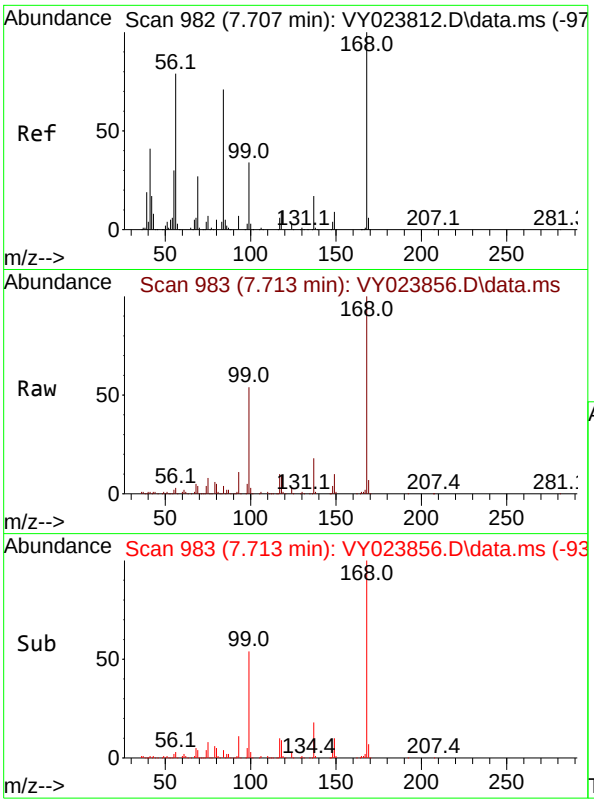
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023856.D
Acq On : 02 Dec 2025 13:18
Operator : SY/MD
Sample : Q3741-05RE
Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Quant Time: Dec 03 01:03:09 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



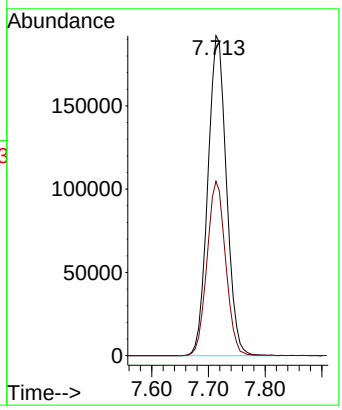


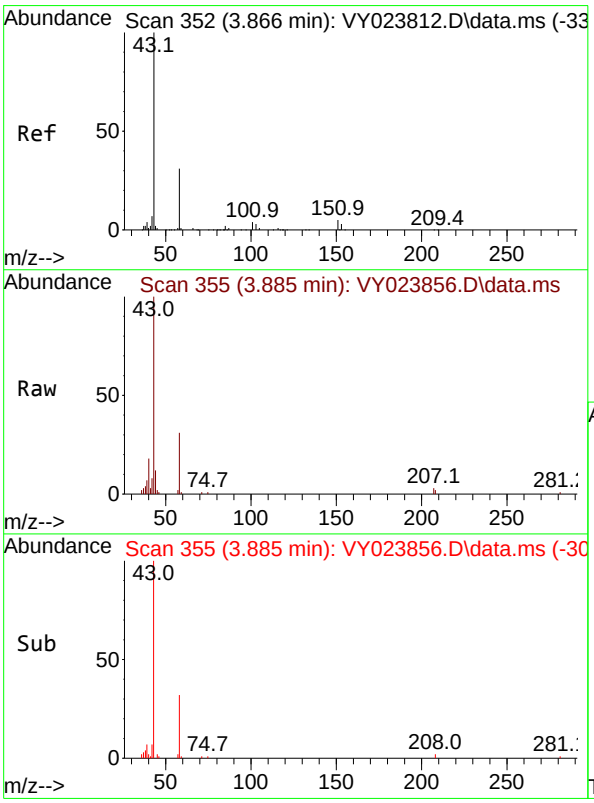
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:168 Resp: 438040

Ion	Ratio	Lower	Upper
168	100		
99	54.5	44.0	66.0

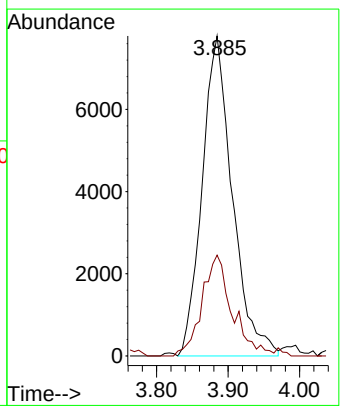


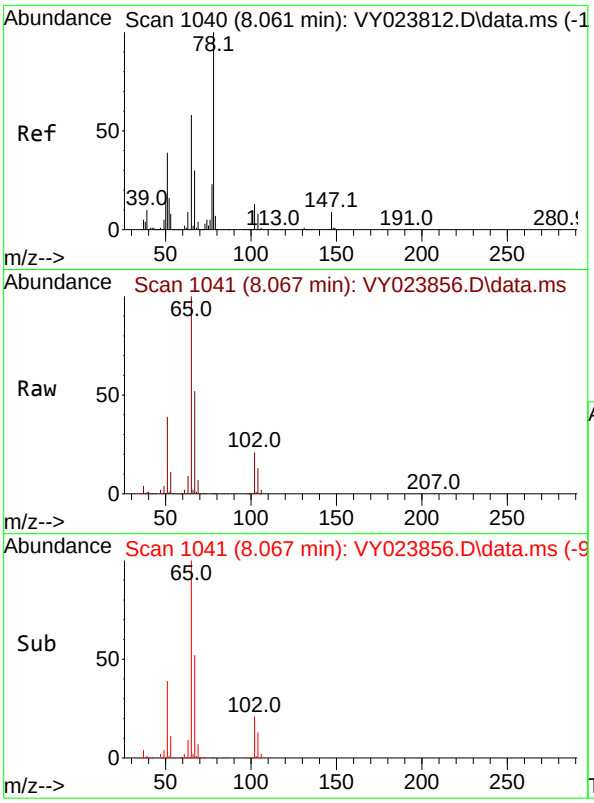


#16
Acetone
Concen: 18.610 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 43 Resp: 22873

Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.4	38.2



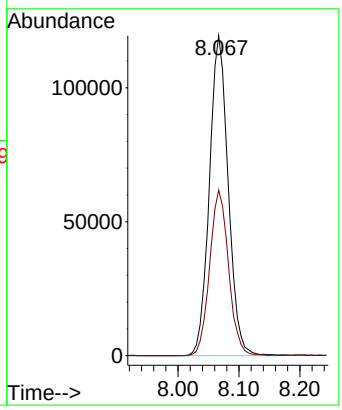


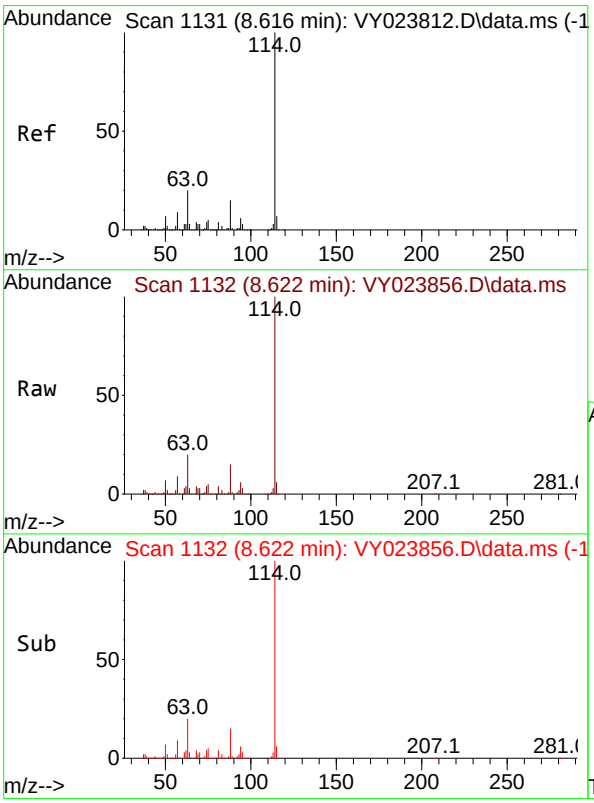
#33
1,2-Dichloroethane-d4
Concen: 60.122 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion: 65 Resp: 256472

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.4

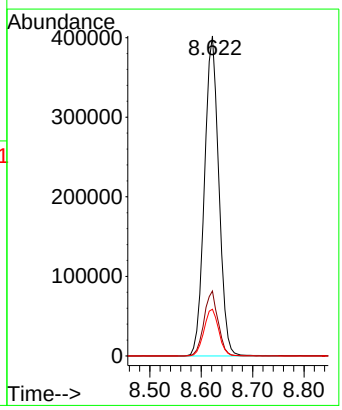


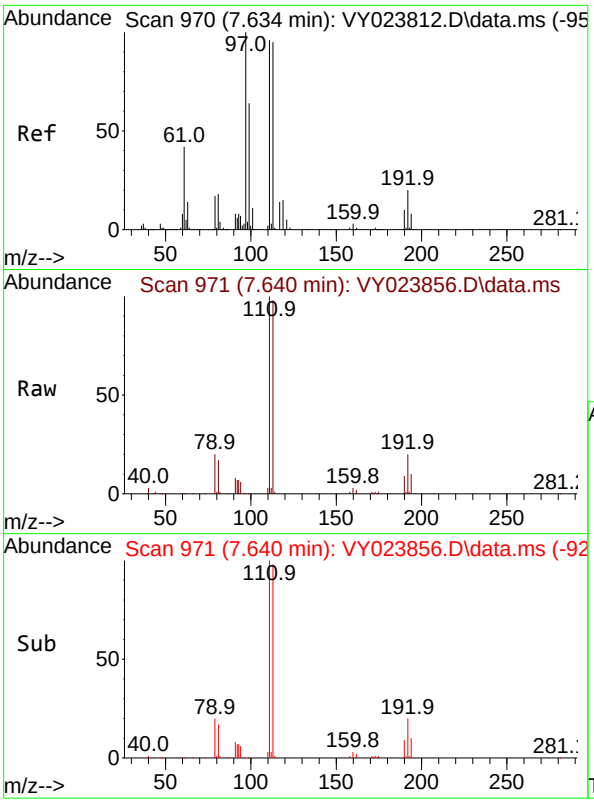


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:114 Resp: 779211

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.4
88	14.6	0.0	30.8



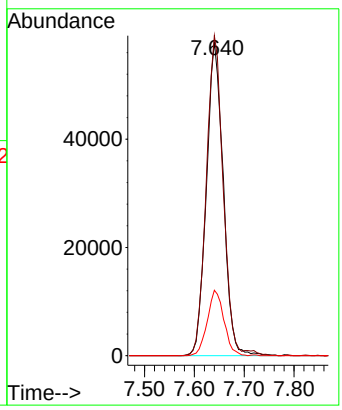


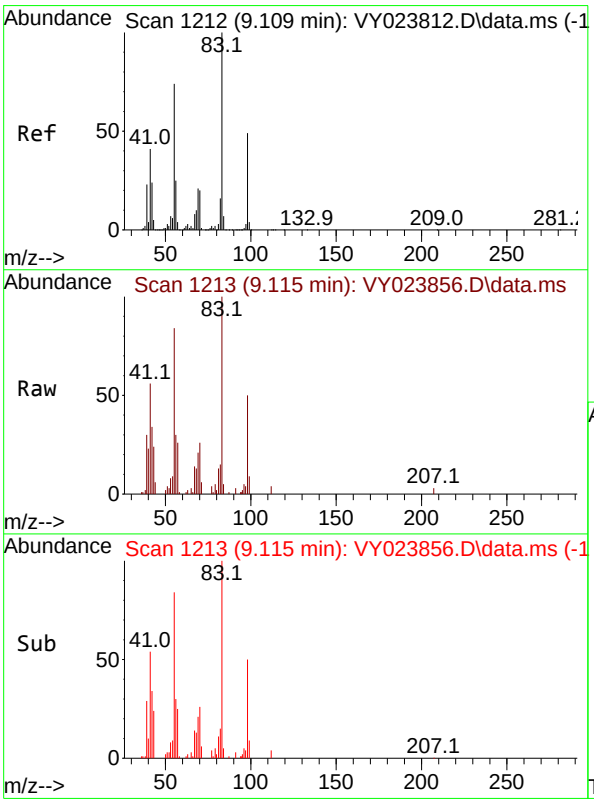
#35
Dibromofluoromethane
Concen: 29.528 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:113 Resp: 136301

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.0
192	20.6	15.8	23.8

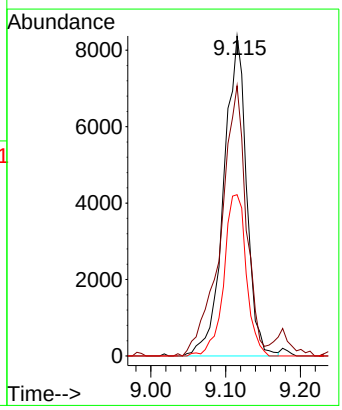


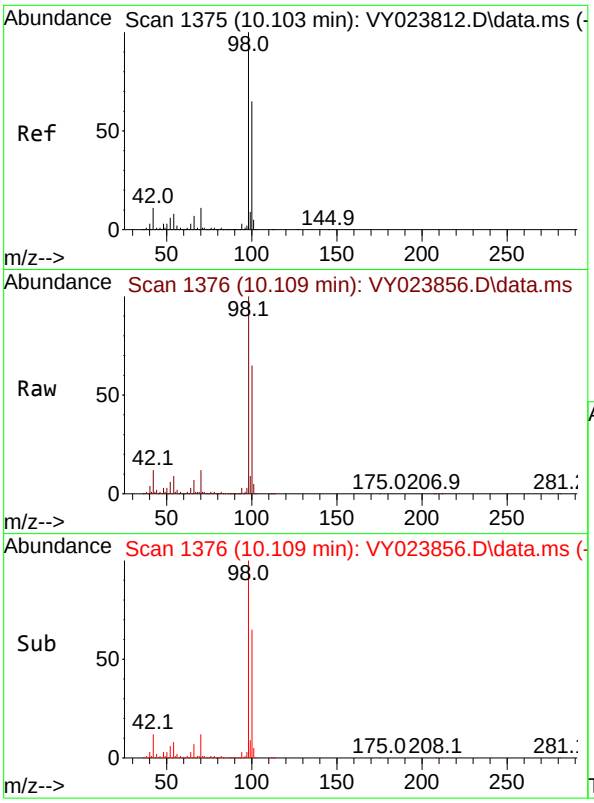


#39
Methylcyclohexane
Concen: 1.899 ug/l
RT: 9.115 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 83 Resp: 17749

Ion	Ratio	Lower	Upper
83	100		
55	83.8	59.4	89.2
98	50.4	39.5	59.3



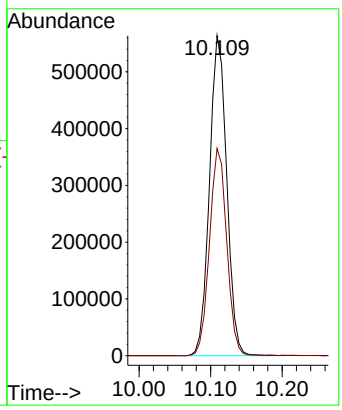


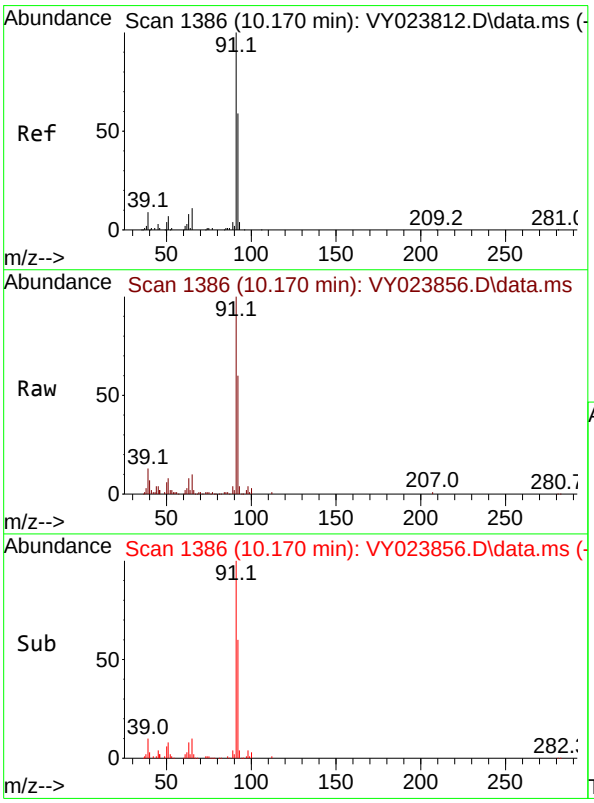
#50
Toluene-d8
Concen: 51.431 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion: 98 Resp: 942973

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9

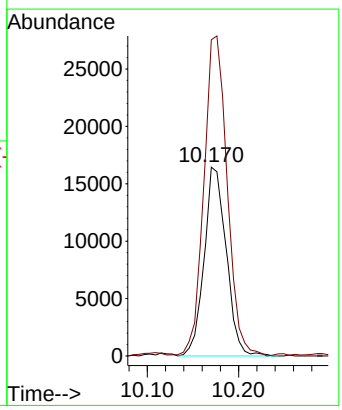


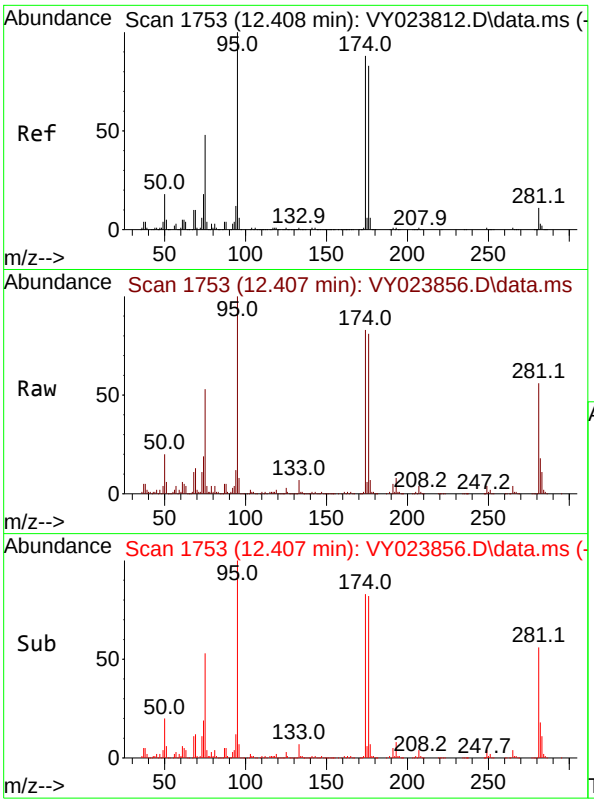


#52
Toluene
Concen: 2.050 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 92 Resp: 27673

Ion	Ratio	Lower	Upper
92	100		
91	178.8	136.8	205.2



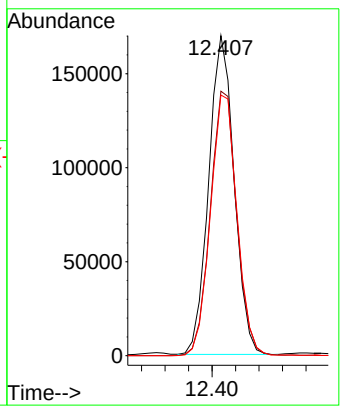


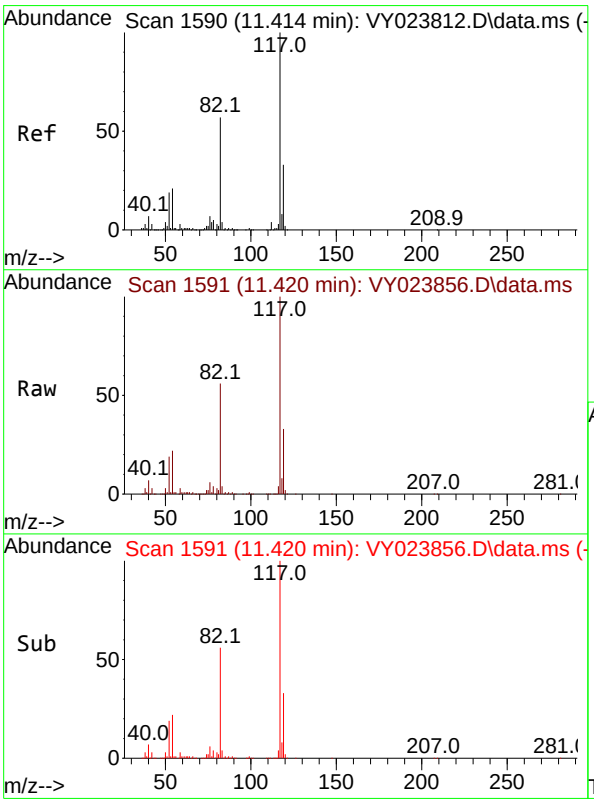
#62
4-Bromofluorobenzene
Concen: 42.229 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion: 95 Resp: 254757

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	168.6
176	85.6	0.0	164.6

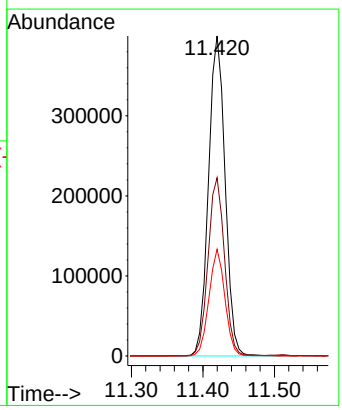


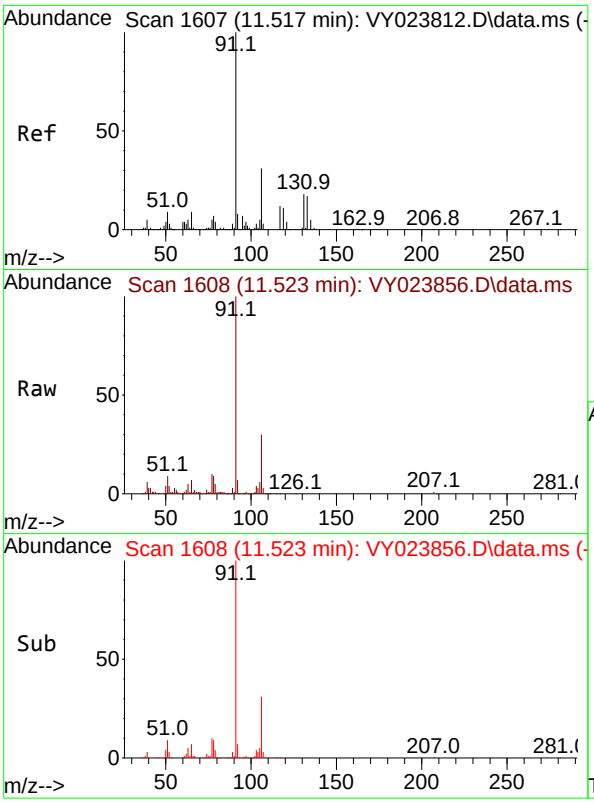


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:117 Resp: 643605

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.0
119	33.4	26.0	39.0



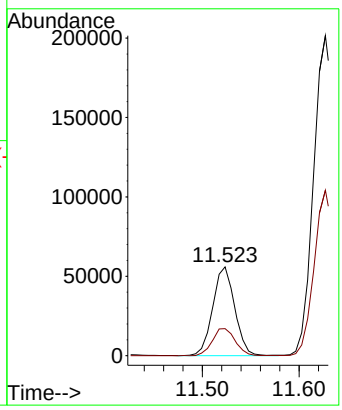


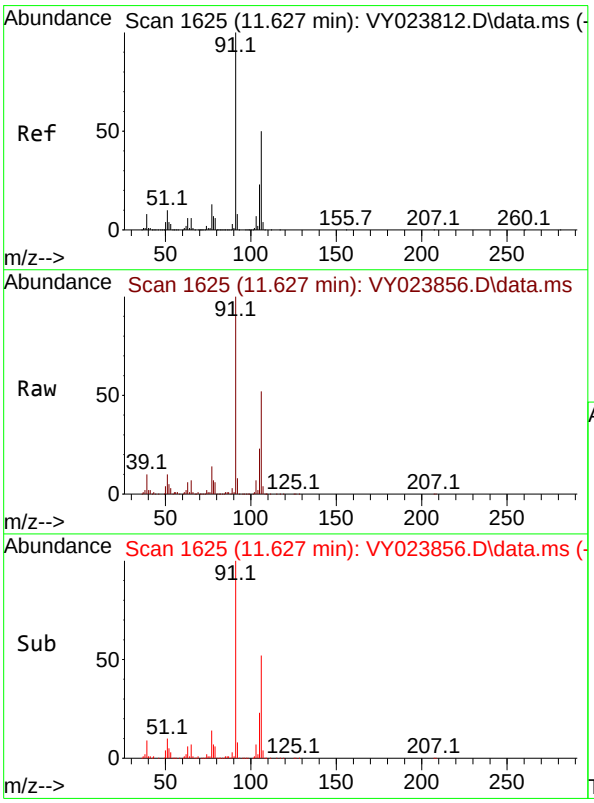
#67
Ethyl Benzene
Concen: 3.659 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion: 91 Resp: 88290

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.9	37.3

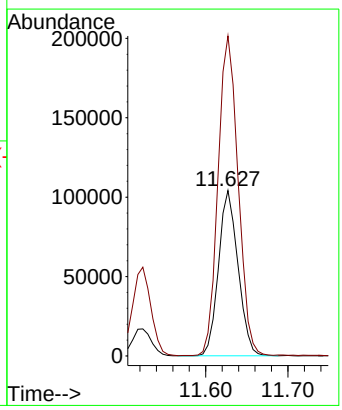


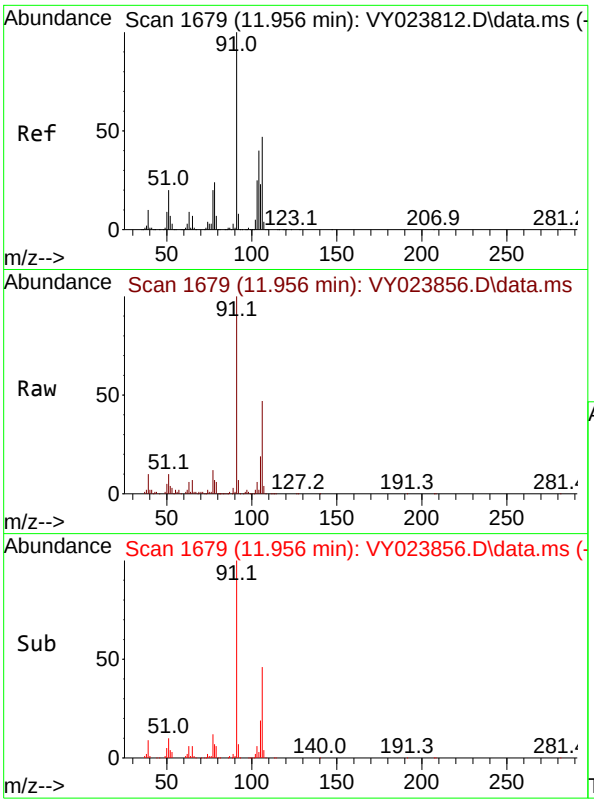


#68
m/p-Xylenes
Concen: 18.453 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:106 Resp: 171586

Ion	Ratio	Lower	Upper
106	100		
91	198.9	159.5	239.3



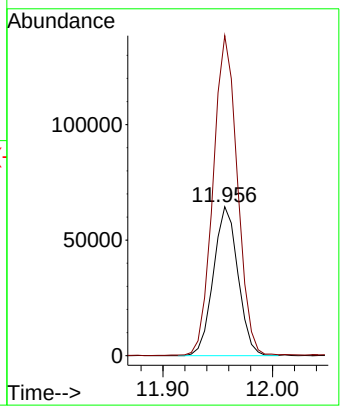


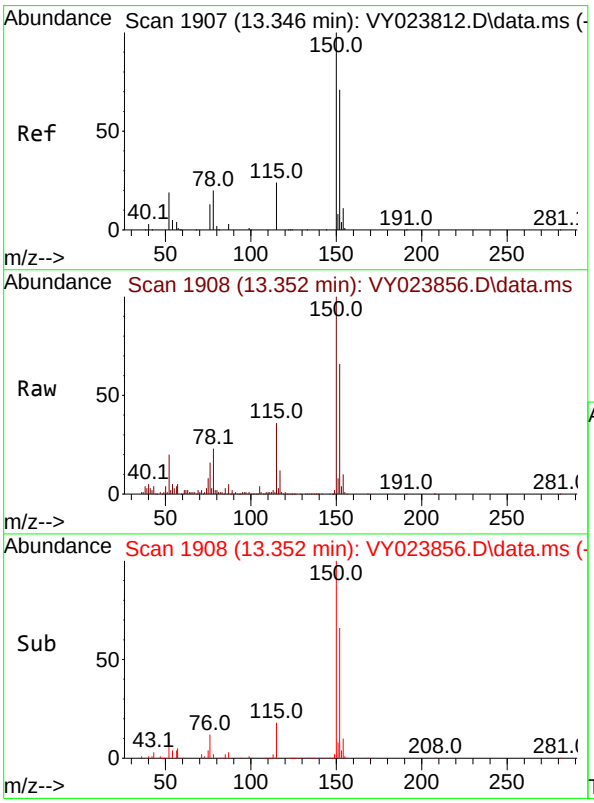
#69
o-Xylene
Concen: 11.512 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:106 Resp: 100354

Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.5	319.6

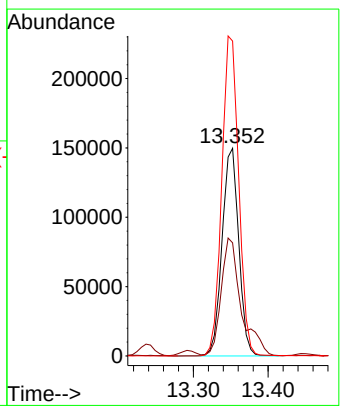


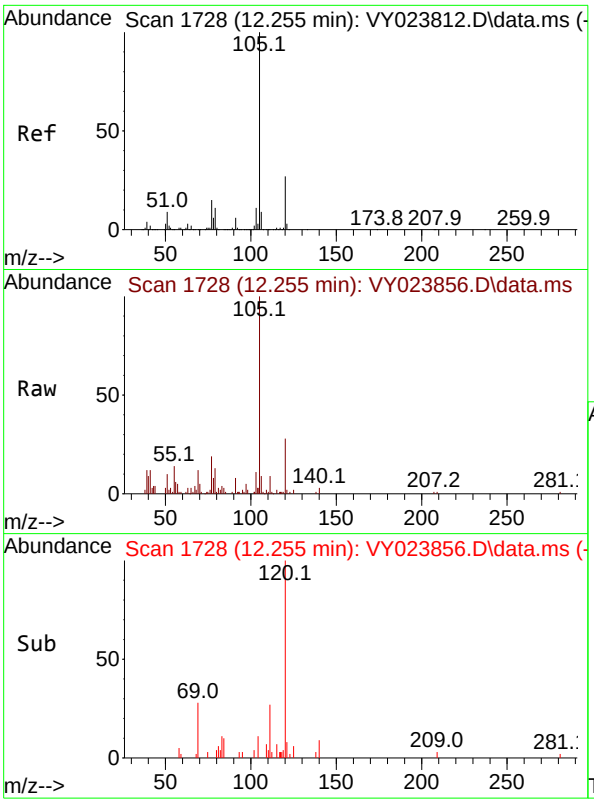


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:152 Resp: 232370

Ion	Ratio	Lower	Upper
152	100		
115	67.8	28.7	86.3
150	156.7	0.0	345.6



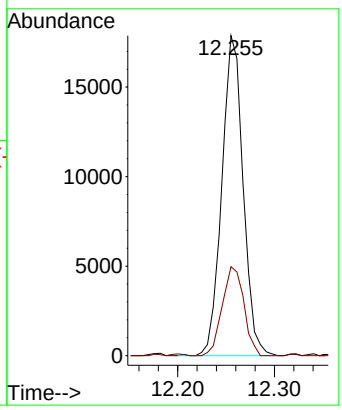


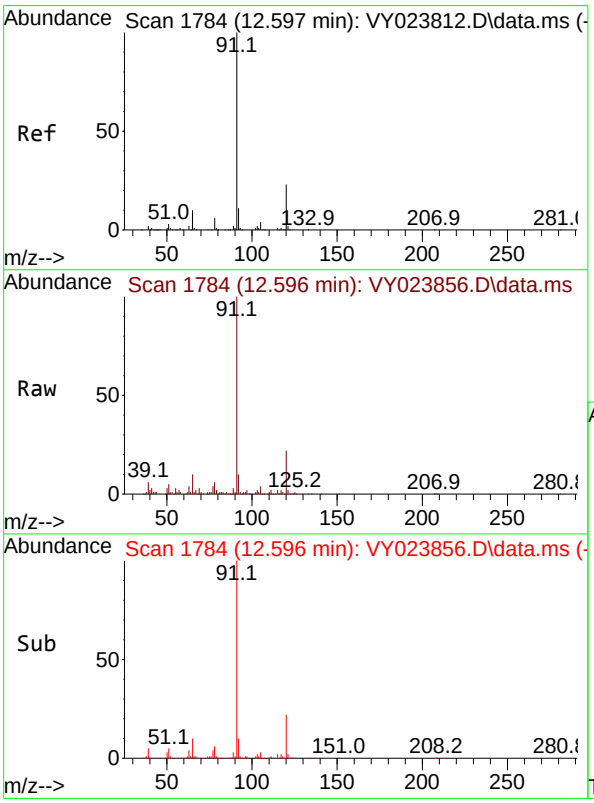
#73
Isopropylbenzene
Concen: 1.653 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:105 Resp: 27259

Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.3	39.8

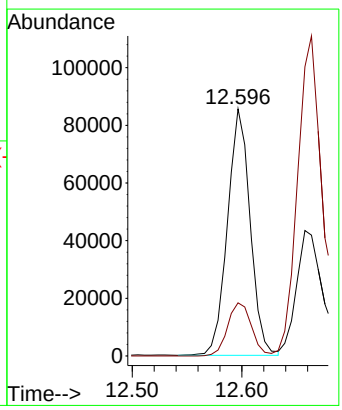


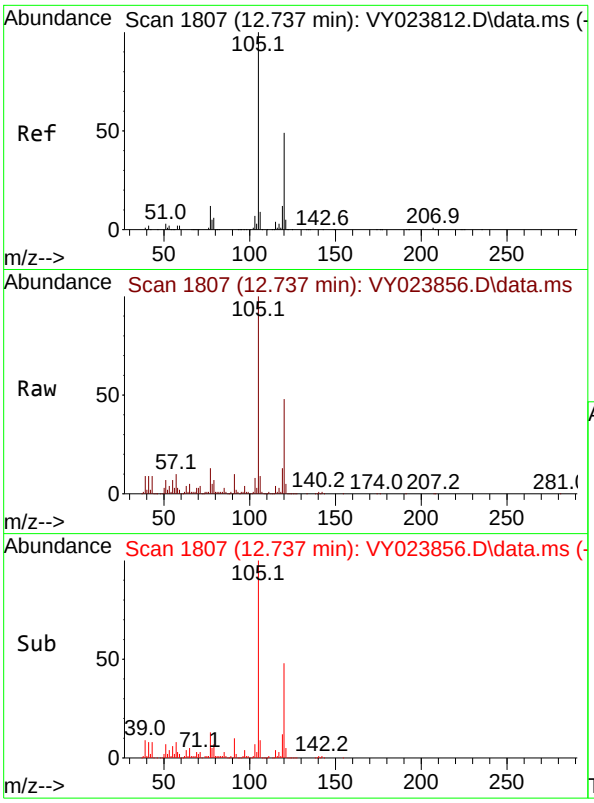


#78
n-propylbenzene
Concen: 6.194 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion: 91 Resp: 122993

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.6	34.8



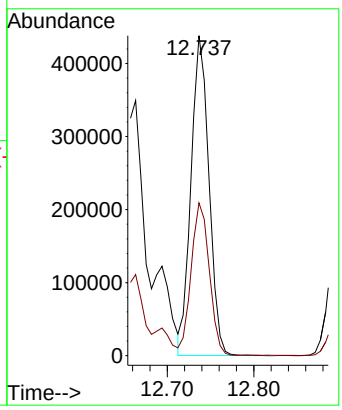


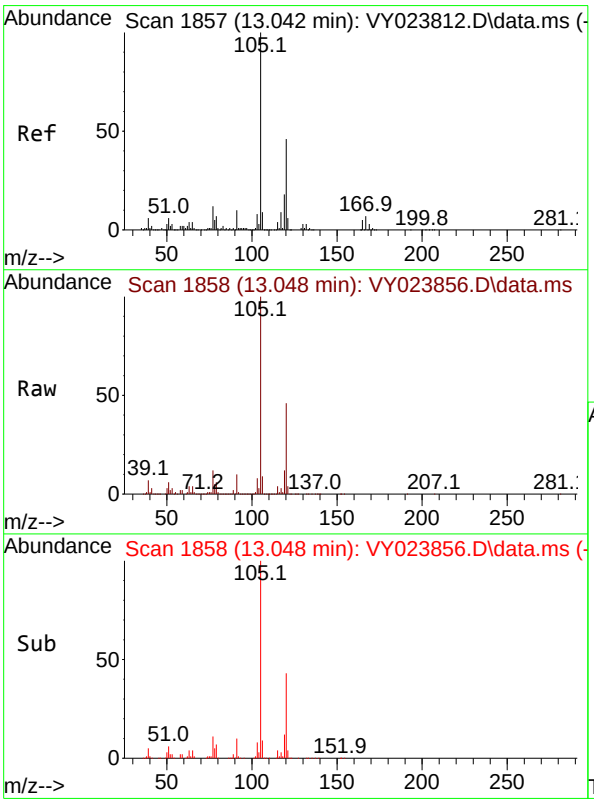
#80
1,3,5-Trimethylbenzene
Concen: 46.645 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:105 Resp: 627983

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.6	73.8

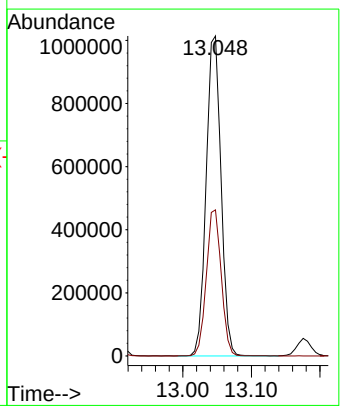


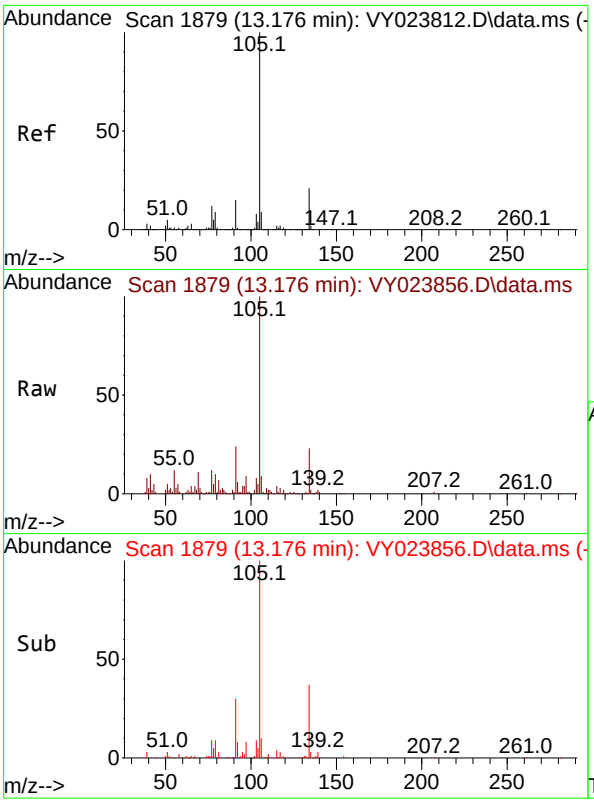


#84
1,2,4-Trimethylbenzene
Concen: 113.814 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:105 Resp: 1531343

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.5	67.5



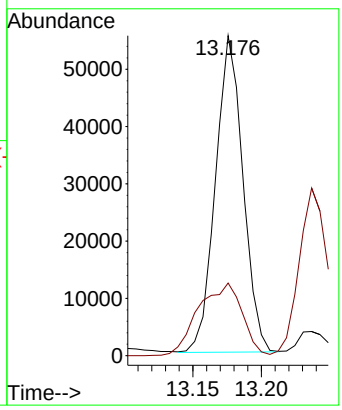


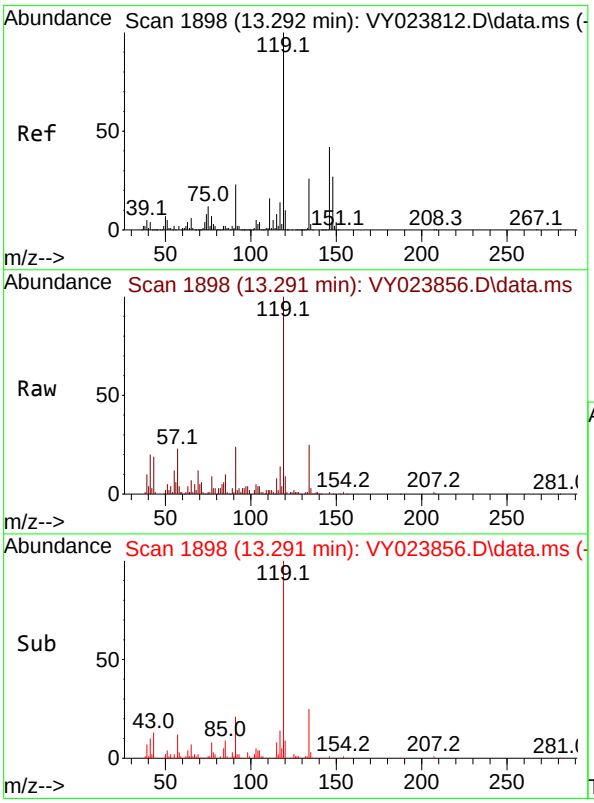
#85
sec-Butylbenzene
Concen: 4.314 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion:105 Resp: 77023

Ion	Ratio	Lower	Upper
105	100		
134	36.5	10.2	30.6#

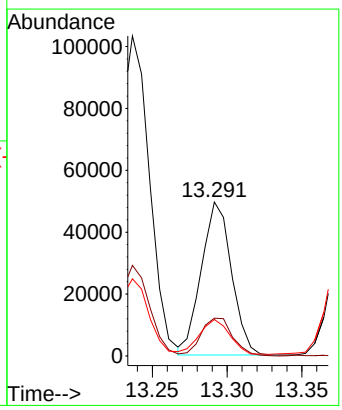


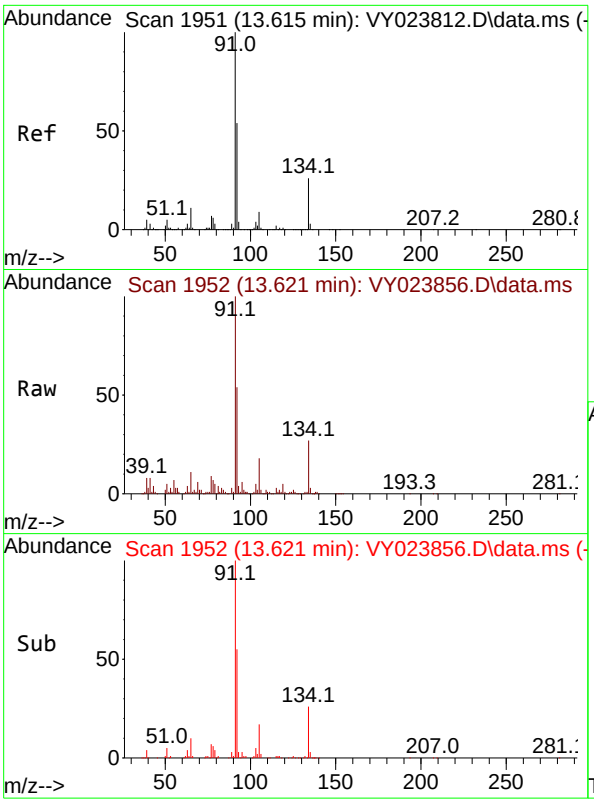


#86
p-Isopropyltoluene
Concen: 4.657 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Tgt Ion:119 Resp: 69500

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	22.7	11.5	34.4



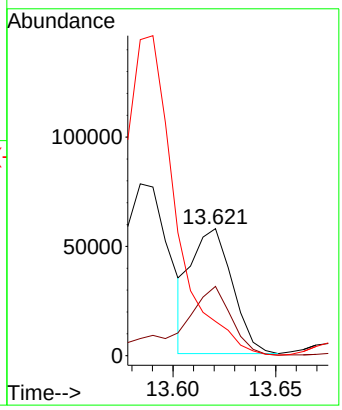


#89
n-Butylbenzene
Concen: 5.754 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023856.D
Acq: 02 Dec 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525RE

Tgt Ion: 91 Resp: 78724

Ion	Ratio	Lower	Upper
91	100		
92	68.5	26.8	80.3
134	0.0	13.0	39.0#



Raw Data: **VY023842.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP4-112525	SDG No.:	Q3741
Lab Sample ID:	Q3741-06	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.9
Sample Wt/Vol:	6.04 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	4.80	ug/Kg	12/01/25 14:46	VY120125
74-87-3	Chloromethane	1.10	U	1	1.10	4.80	ug/Kg	12/01/25 14:46	VY120125
75-01-4	Vinyl Chloride	0.76	U	1	0.76	4.80	ug/Kg	12/01/25 14:46	VY120125
74-83-9	Bromomethane	1.00	U	1	1.00	4.80	ug/Kg	12/01/25 14:46	VY120125
75-00-3	Chloroethane	1.20	U	1	1.20	4.80	ug/Kg	12/01/25 14:46	VY120125
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	4.80	ug/Kg	12/01/25 14:46	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	1.00	4.80	ug/Kg	12/01/25 14:46	VY120125
75-35-4	1,1-Dichloroethene	0.96	U	1	0.96	4.80	ug/Kg	12/01/25 14:46	VY120125
67-64-1	Acetone	4.60	U	1	4.60	24.1	ug/Kg	12/01/25 14:46	VY120125
75-15-0	Carbon Disulfide	1.00	U	1	1.00	4.80	ug/Kg	12/01/25 14:46	VY120125
1634-04-4	Methyl tert-butyl Ether	0.70	U	1	0.70	4.80	ug/Kg	12/01/25 14:46	VY120125
79-20-9	Methyl Acetate	1.50	U	1	1.50	4.80	ug/Kg	12/01/25 14:46	VY120125
75-09-2	Methylene Chloride	3.40	U	1	3.40	9.60	ug/Kg	12/01/25 14:46	VY120125
156-60-5	trans-1,2-Dichloroethene	0.83	U	1	0.83	4.80	ug/Kg	12/01/25 14:46	VY120125
75-34-3	1,1-Dichloroethane	0.77	U	1	0.77	4.80	ug/Kg	12/01/25 14:46	VY120125
110-82-7	Cyclohexane	0.76	U	1	0.76	4.80	ug/Kg	12/01/25 14:46	VY120125
78-93-3	2-Butanone	6.30	U	1	6.30	24.1	ug/Kg	12/01/25 14:46	VY120125
56-23-5	Carbon Tetrachloride	0.93	U	1	0.93	4.80	ug/Kg	12/01/25 14:46	VY120125
156-59-2	cis-1,2-Dichloroethene	0.72	U	1	0.72	4.80	ug/Kg	12/01/25 14:46	VY120125
74-97-5	Bromochloromethane	1.10	U	1	1.10	4.80	ug/Kg	12/01/25 14:46	VY120125
67-66-3	Chloroform	0.81	U	1	0.81	4.80	ug/Kg	12/01/25 14:46	VY120125
71-55-6	1,1,1-Trichloroethane	0.90	U	1	0.90	4.80	ug/Kg	12/01/25 14:46	VY120125
108-87-2	Methylcyclohexane	0.88	U	1	0.88	4.80	ug/Kg	12/01/25 14:46	VY120125
71-43-2	Benzene	0.76	U	1	0.76	4.80	ug/Kg	12/01/25 14:46	VY120125
107-06-2	1,2-Dichloroethane	0.76	U	1	0.76	4.80	ug/Kg	12/01/25 14:46	VY120125
79-01-6	Trichloroethene	0.78	U	1	0.78	4.80	ug/Kg	12/01/25 14:46	VY120125
78-87-5	1,2-Dichloropropane	0.88	U	1	0.88	4.80	ug/Kg	12/01/25 14:46	VY120125
75-27-4	Bromodichloromethane	0.75	U	1	0.75	4.80	ug/Kg	12/01/25 14:46	VY120125
108-10-1	4-Methyl-2-Pentanone	3.50	U	1	3.50	24.1	ug/Kg	12/01/25 14:46	VY120125
108-88-3	Toluene	0.75	U	1	0.75	4.80	ug/Kg	12/01/25 14:46	VY120125
10061-02-6	t-1,3-Dichloropropene	0.63	U	1	0.63	4.80	ug/Kg	12/01/25 14:46	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.60	U	1	0.60	4.80	ug/Kg	12/01/25 14:46	VY120125
79-00-5	1,1,2-Trichloroethane	0.89	U	1	0.89	4.80	ug/Kg	12/01/25 14:46	VY120125
591-78-6	2-Hexanone	3.60	U	1	3.60	24.1	ug/Kg	12/01/25 14:46	VY120125
124-48-1	Dibromochloromethane	0.84	U	1	0.84	4.80	ug/Kg	12/01/25 14:46	VY120125
106-93-4	1,2-Dibromoethane	0.85	U	1	0.85	4.80	ug/Kg	12/01/25 14:46	VY120125
127-18-4	Tetrachloroethene	1.00	U	1	1.00	4.80	ug/Kg	12/01/25 14:46	VY120125
108-90-7	Chlorobenzene	0.88	U	1	0.88	4.80	ug/Kg	12/01/25 14:46	VY120125
100-41-4	Ethyl Benzene	0.65	U	1	0.65	4.80	ug/Kg	12/01/25 14:46	VY120125
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	9.60	ug/Kg	12/01/25 14:46	VY120125
95-47-6	o-Xylene	0.79	U	1	0.79	4.80	ug/Kg	12/01/25 14:46	VY120125
100-42-5	Styrene	0.68	U	1	0.68	4.80	ug/Kg	12/01/25 14:46	VY120125
75-25-2	Bromoform	0.83	U	1	0.83	4.80	ug/Kg	12/01/25 14:46	VY120125

Raw Data: **VY023842.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP4-112525	SDG No.:	Q3741
Lab Sample ID:	Q3741-06	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.9
Sample Wt/Vol:	6.04 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	0.75	U	1	0.75	4.80	ug/Kg	12/01/25 14:46	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	4.80	ug/Kg	12/01/25 14:46	VY120125
541-73-1	1,3-Dichlorobenzene	1.60	U	1	1.60	4.80	ug/Kg	12/01/25 14:46	VY120125
106-46-7	1,4-Dichlorobenzene	1.50	U	1	1.50	4.80	ug/Kg	12/01/25 14:46	VY120125
95-50-1	1,2-Dichlorobenzene	1.40	U	1	1.40	4.80	ug/Kg	12/01/25 14:46	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	4.80	ug/Kg	12/01/25 14:46	VY120125
120-82-1	1,2,4-Trichlorobenzene	2.90	U	1	2.90	4.80	ug/Kg	12/01/25 14:46	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.10	U	1	3.10	4.80	ug/Kg	12/01/25 14:46	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	39.7			63 - 155	79%	SPK: 50		
1868-53-7	Dibromofluoromethane	16.1	*		70 - 134	32%	SPK: 50		
2037-26-5	Toluene-d8	46.9			74 - 123	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	34.1			52 - 138	68%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	27800							
540-36-3	1,4-Difluorobenzene	36500							
3114-55-4	Chlorobenzene-d5	25300							
3855-82-1	1,4-Dichlorobenzene-d4	6300							
TENTATIVE IDENTIFIED COMPOUNDS									
000508-32-7	Tricyclo[2.2.1.0(2,6)]heptane, 1,7	21.0	J			12.2	ug/Kg		
000080-56-8	.alpha.-Pinene	1000	J			12.3	ug/Kg		
056816-08-1	Cyclohexene, 5-methyl-3-(1-methyl	40.6	J			12.5	ug/Kg		
000079-92-5	Camphene	380	J			12.5	ug/Kg		
000127-91-3	.beta.-Pinene	220	J			12.8	ug/Kg		
000099-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-	110	J			13.2	ug/Kg		
99-87-6	p-Isopropyltoluene	64.7	J			13.3	ug/Kg		
000099-85-4	.gamma.-Terpinene	59.2	J			13.5	ug/Kg		
000586-62-9	Cyclohexene, 1-methyl-4-(1-methyl	82.9	J			13.8	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Quant Time: Dec 02 03:17:57 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

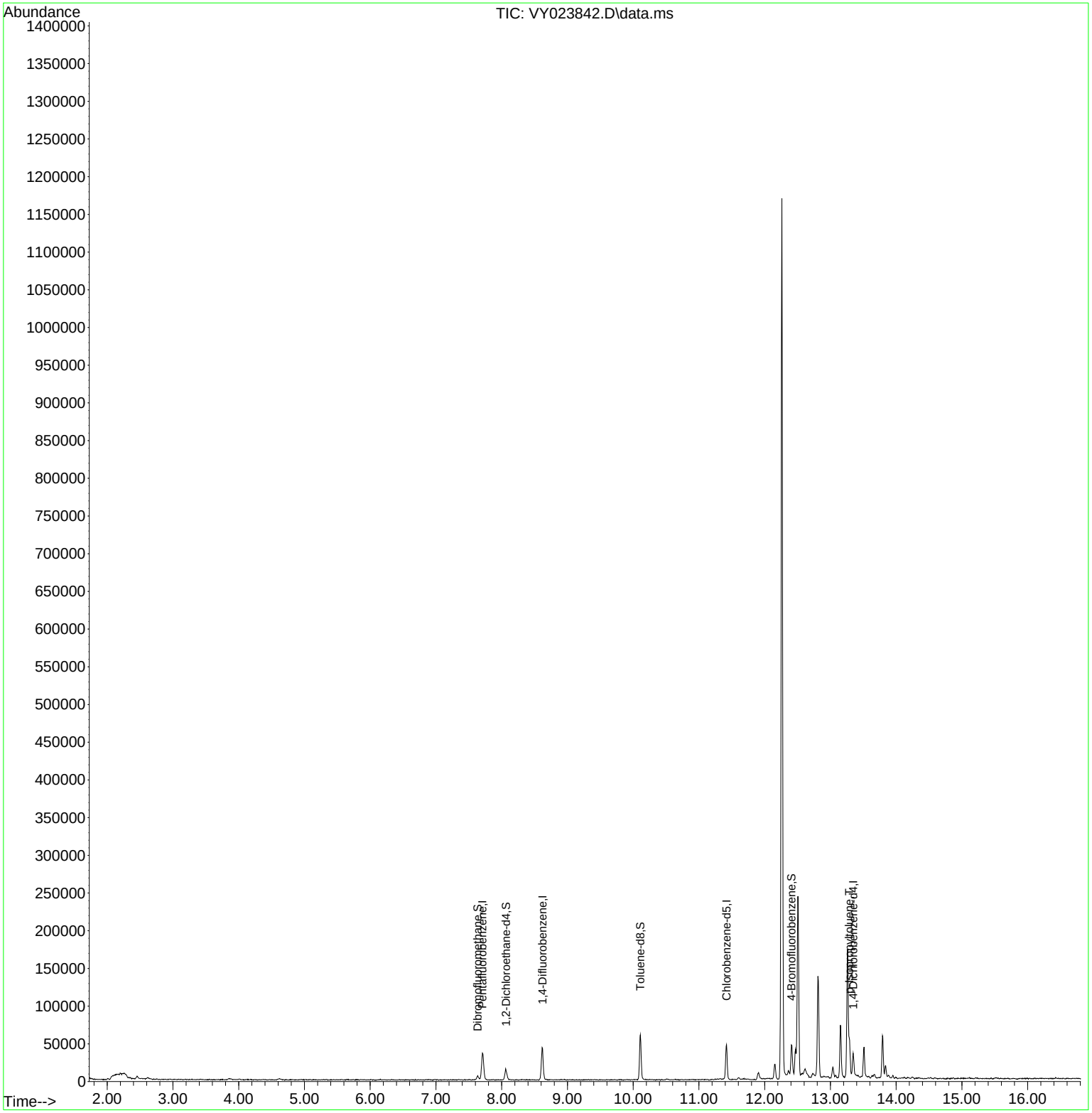
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	27791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	36476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	6298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10742	39.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 79.380%			
35) Dibromofluoromethane	7.634	113	3469	16.054	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 32.100%#			
50) Toluene-d8	10.109	98	40247	46.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.780%			
62) 4-Bromofluorobenzene	12.408	95	9622	34.072	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 68.140%			
Target Compounds						Qvalue
86) p-Isopropyltoluene	13.286	119	27155	67.140	ug/l #	74

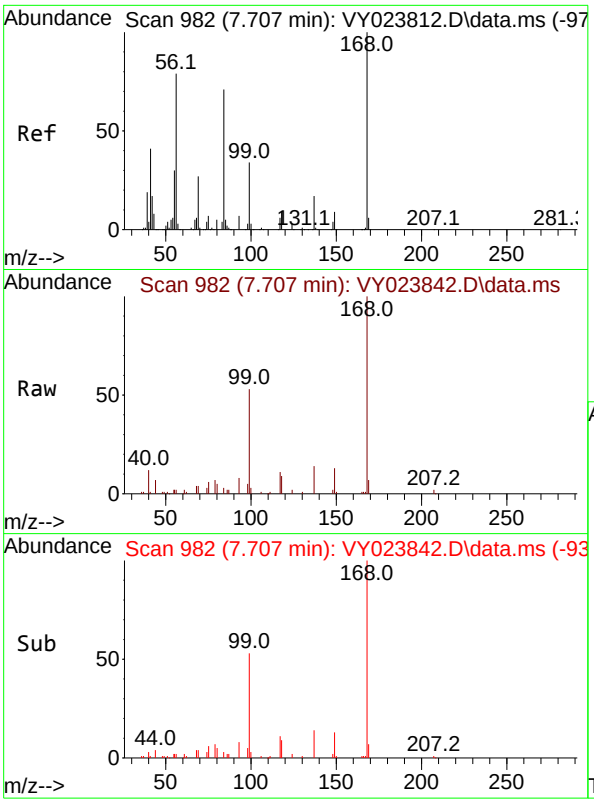
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Quant Time: Dec 02 03:17:57 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



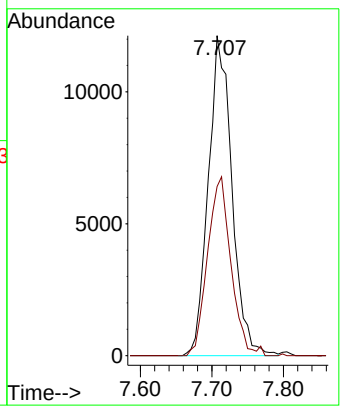


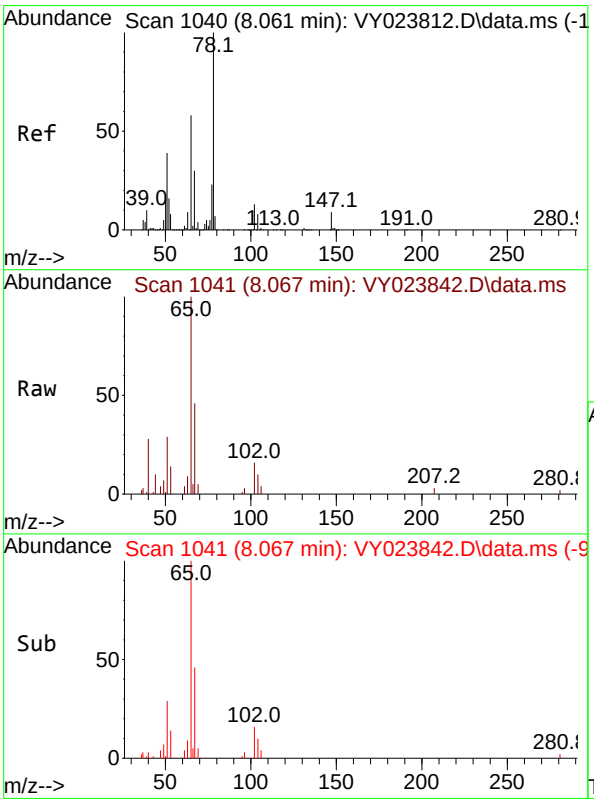
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Tgt Ion:168 Resp: 27791

Ion	Ratio	Lower	Upper
168	100		
99	52.9	44.0	66.0

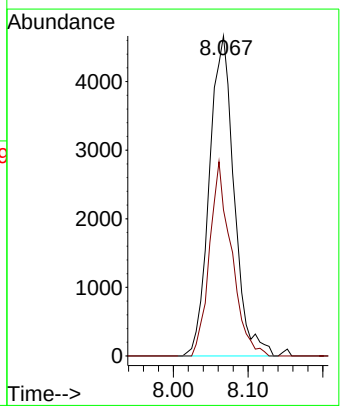


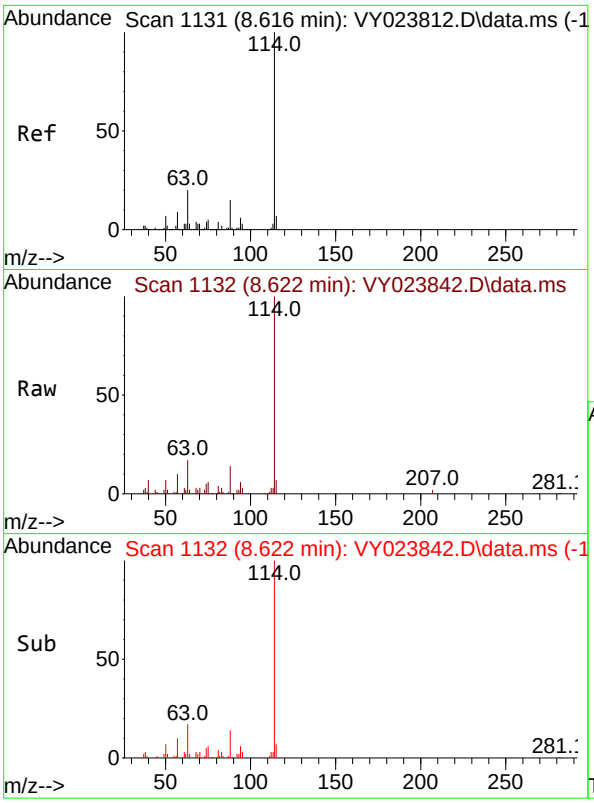


#33
1,2-Dichloroethane-d4
Concen: 39.691 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion: 65 Resp: 10742

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.4



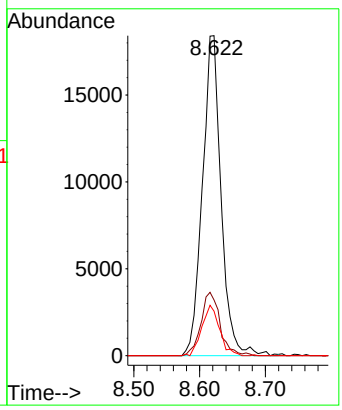


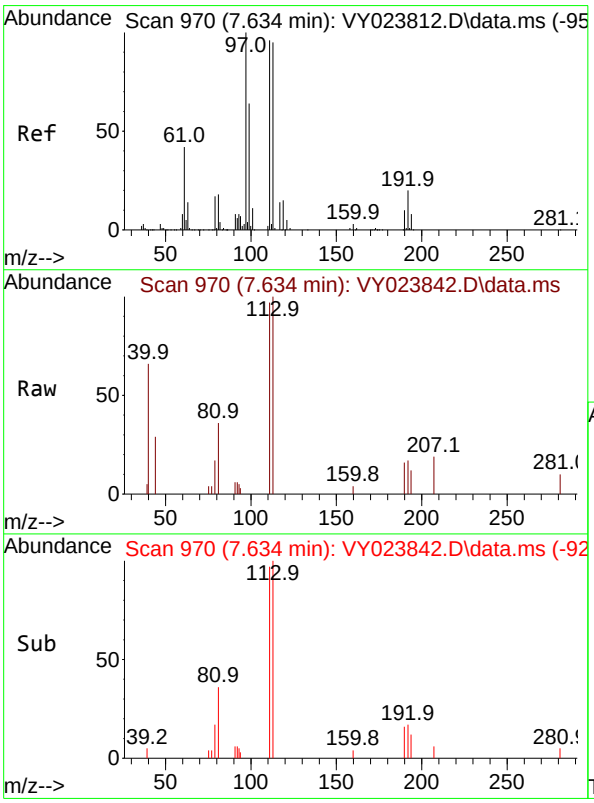
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Tgt Ion:114 Resp: 36476

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	39.4
88	13.9	0.0	30.8

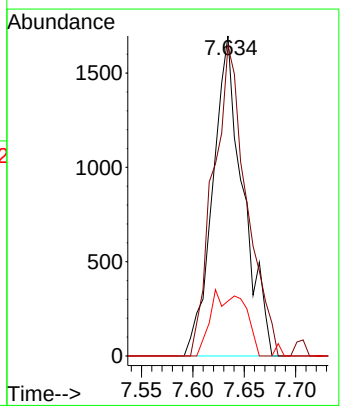


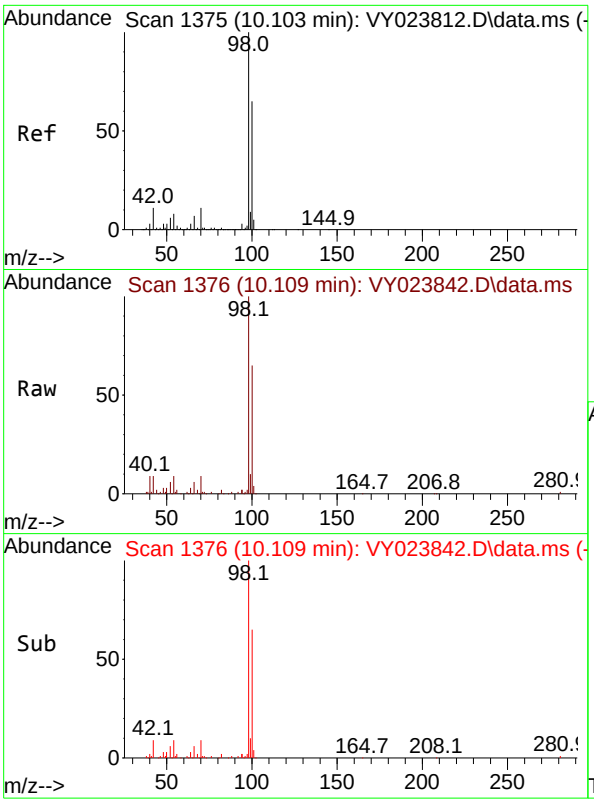


#35
Dibromofluoromethane
Concen: 16.054 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion:113 Resp: 3469

Ion	Ratio	Lower	Upper
113	100		
111	106.9	81.4	122.0
192	22.8	15.8	23.8



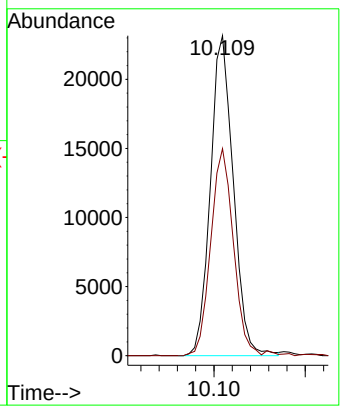


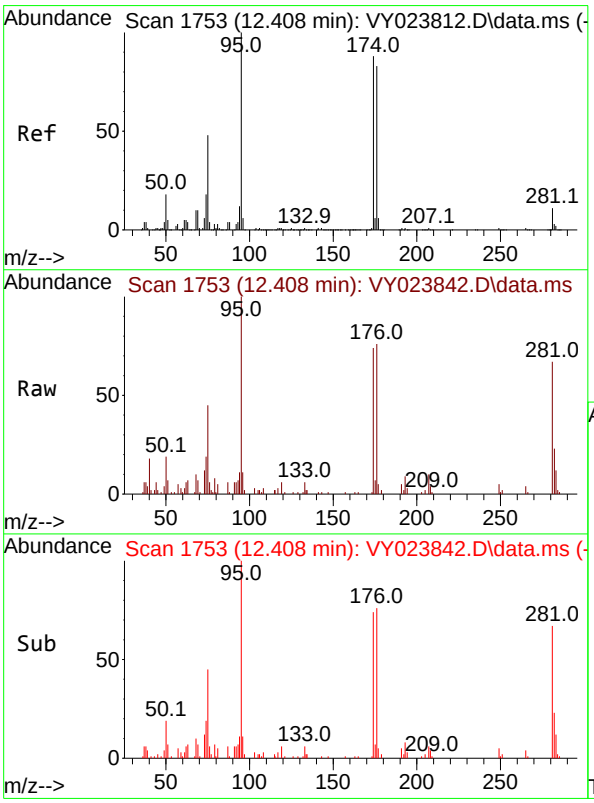
#50
Toluene-d8
Concen: 46.893 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Tgt Ion: 98 Resp: 40247

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.9	77.9

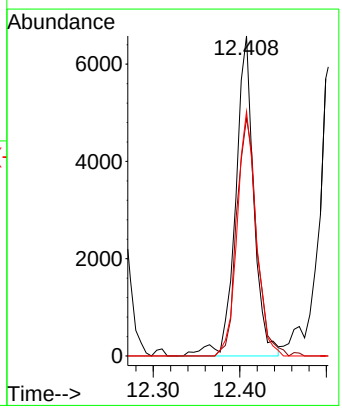


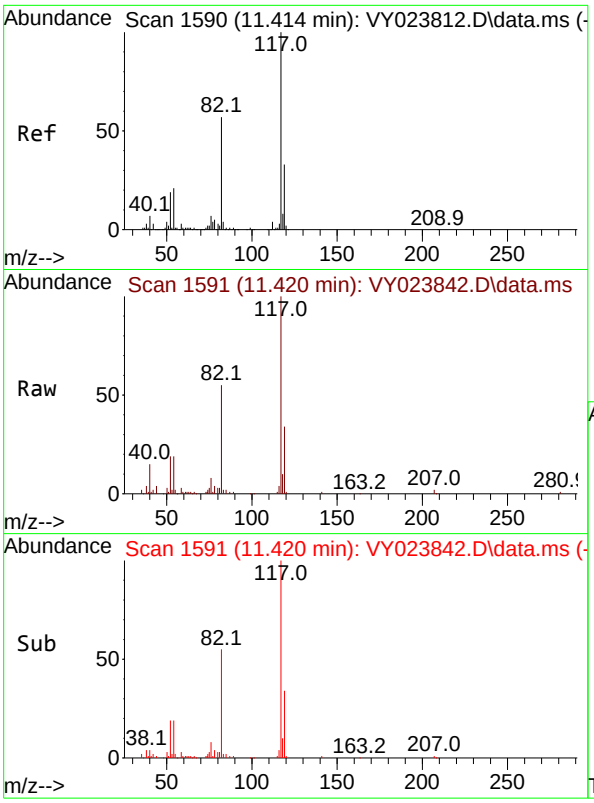


#62
4-Bromofluorobenzene
Concen: 34.072 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion: 95 Resp: 9622

Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	168.6
176	79.3	0.0	164.6



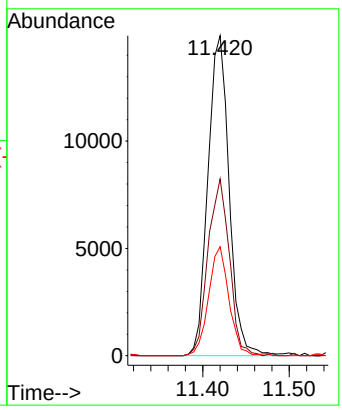


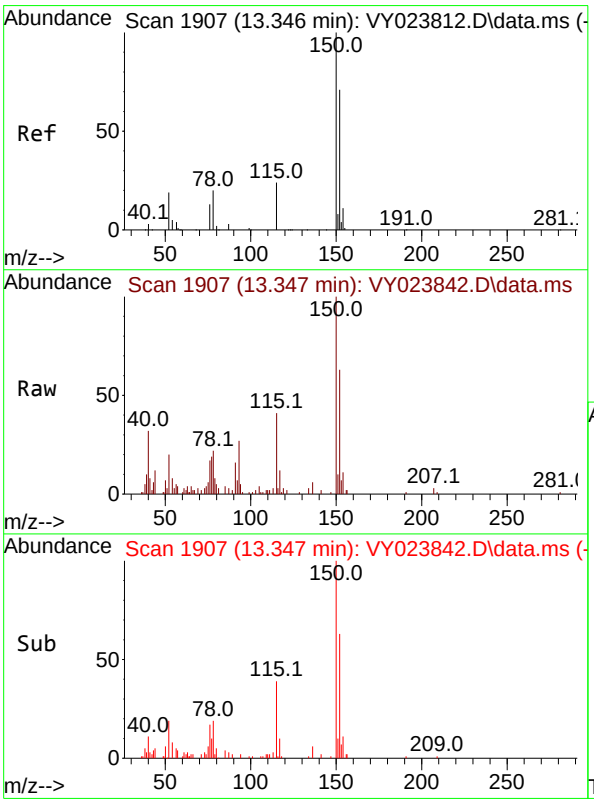
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Tgt Ion:117 Resp: 25342

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	34.1	26.0	39.0

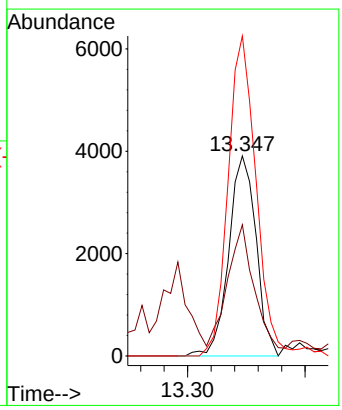


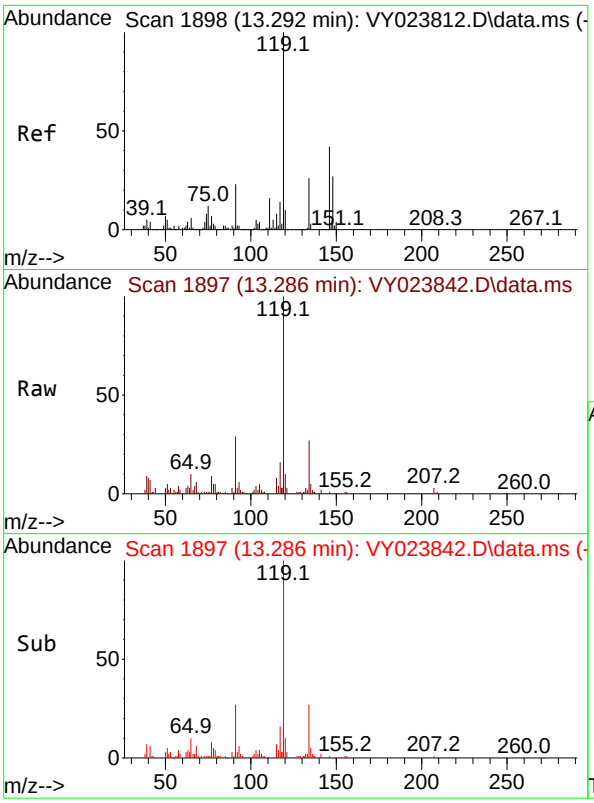


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion:152 Resp: 6298

Ion	Ratio	Lower	Upper
152	100		
115	63.2	28.7	86.3
150	163.6	0.0	345.6



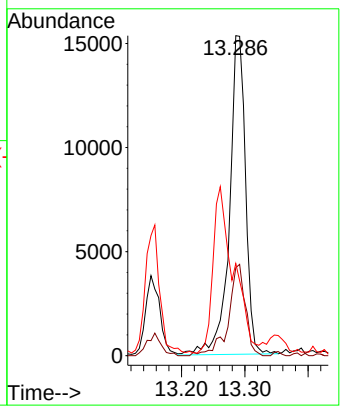


#86
p-Isopropyltoluene
Concen: 67.140 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

Tgt Ion:119 Resp: 27155

Ion	Ratio	Lower	Upper
119	100		
134	29.9	13.1	39.3
91	0.0	11.5	34.4#



Sample Results: **VY023842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

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: VY023842.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.707	976	982	996	rVB2	35695	84079	4.66%	2.302%
2	8.061	1032	1040	1048	rBV2	14876	31413	1.74%	0.860%
3	8.616	1122	1131	1139	rBV	43284	89184	4.94%	2.442%
4	10.109	1369	1376	1387	rBV2	59870	108444	6.01%	2.969%
5	11.420	1582	1591	1603	rVB	46582	84048	4.66%	2.301%
6	11.908	1663	1671	1679	rBV9	9859	23997	1.33%	0.657%
7	12.152	1705	1711	1718	rVB2	19885	36564	2.03%	1.001%
8	12.261	1721	1729	1740	rBV	1167637	1805523	100.00%	49.435%
9	12.408	1749	1753	1759	rVV2	38322	65419	3.62%	1.791%
10	12.469	1759	1763	1764	rVV2	33391	41595	2.30%	1.139%
11	12.505	1764	1769	1775	rVB	237399	385160	21.33%	10.546%
12	12.615	1782	1787	1797	rVB10	11539	33211	1.84%	0.909%
13	12.810	1812	1819	1827	rVB	134122	228522	12.66%	6.257%
14	13.036	1851	1856	1861	rBV4	14485	25365	1.40%	0.694%
15	13.151	1870	1875	1883	rBV	69395	107537	5.96%	2.944%
16	13.261	1885	1893	1897	rBV	170400	288025	15.95%	7.886%
17	13.347	1902	1907	1915	rVB2	29609	49320	2.73%	1.350%
18	13.511	1929	1934	1944	rVB	39717	60590	3.36%	1.659%
19	13.792	1975	1980	1985	rBV2	54803	84813	4.70%	2.322%
20	13.840	1985	1988	1992	rVB4	14243	19482	1.08%	0.533%

Sum of corrected areas: 3652291

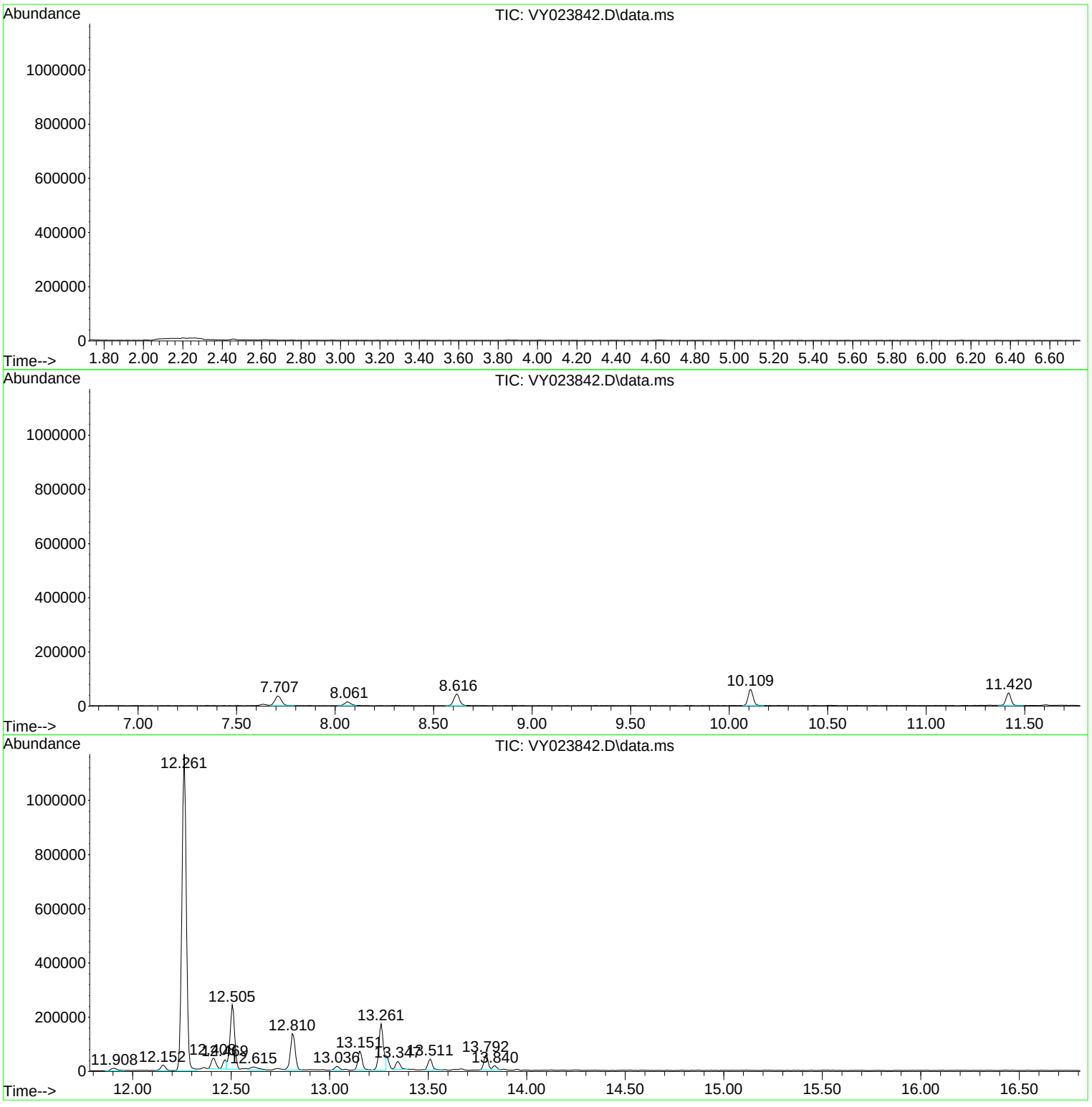
Sample Results: **VY023842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

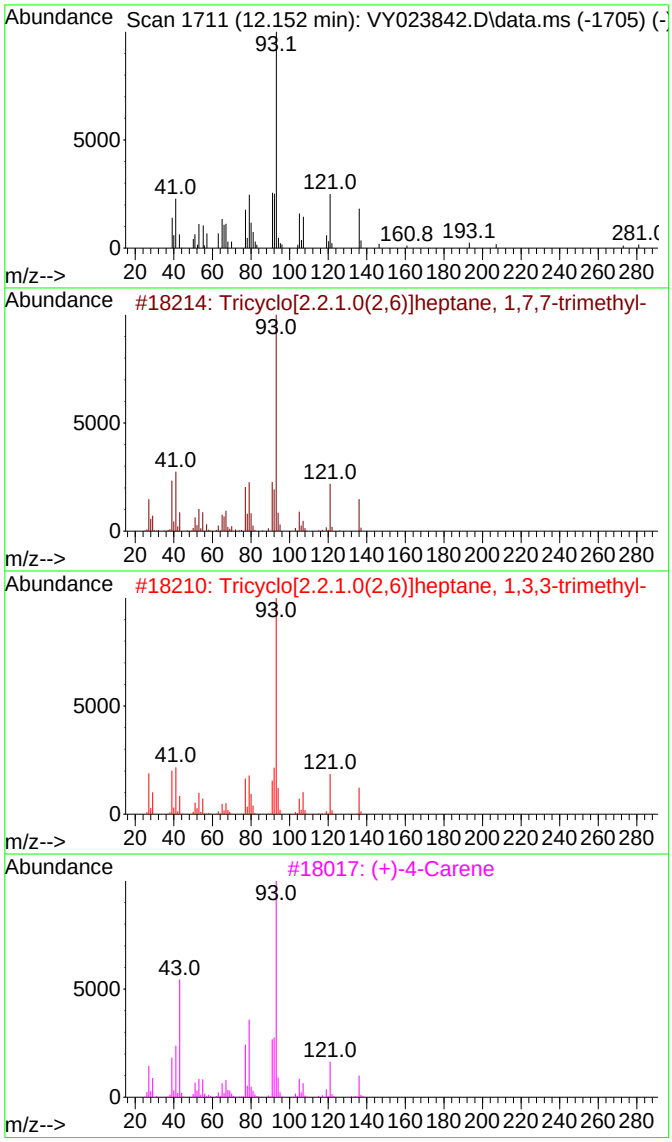
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

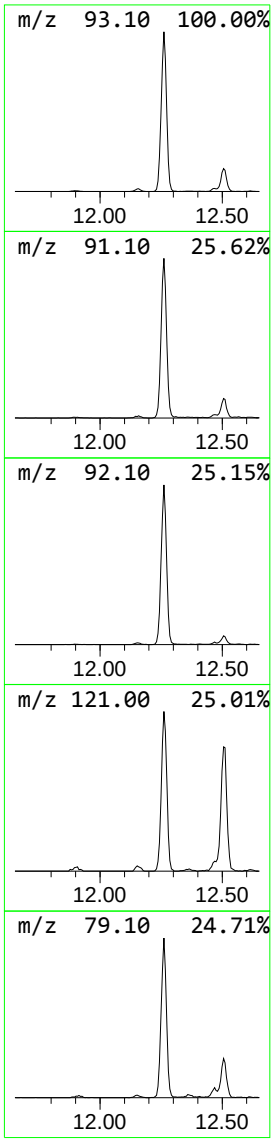
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.152	21.75 ug/l	36564	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	90
3	(+)-4-Carene	136	C10H16	029050-33-7	87
4	3-Carene	136	C10H16	013466-78-9	83
5	(+)-3-Carene	136	C10H16	000498-15-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

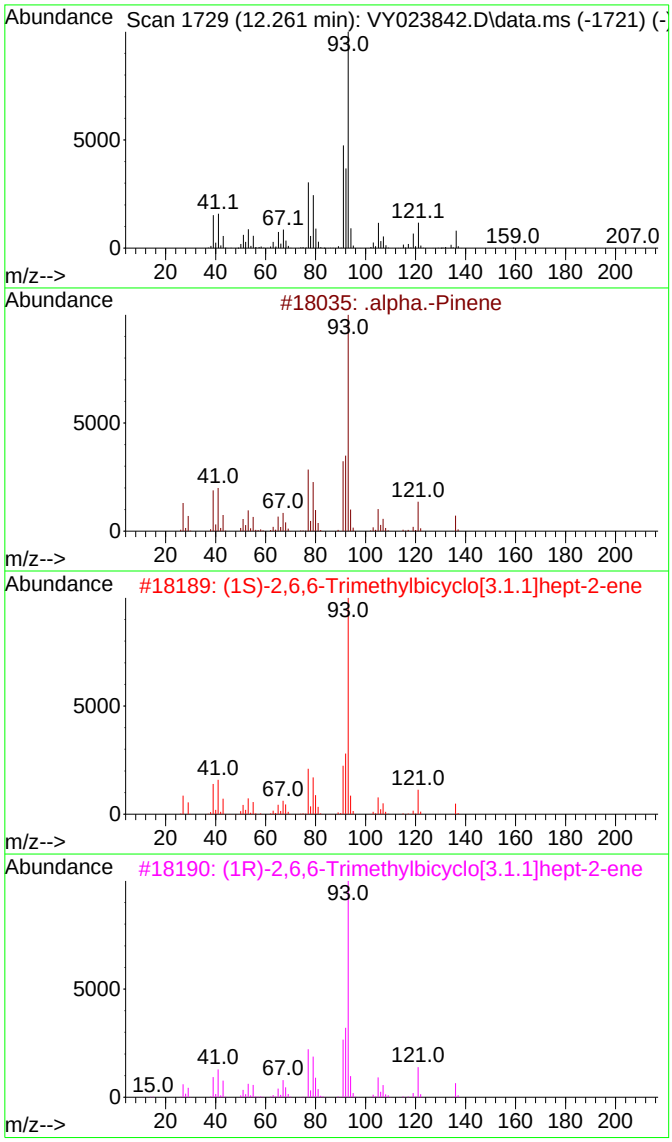
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

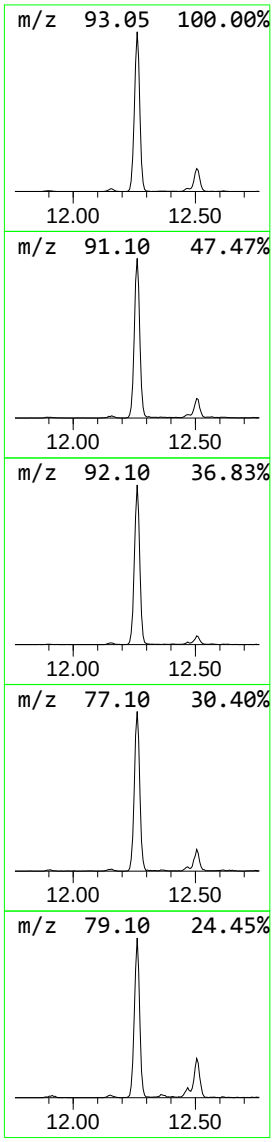
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	1074.10 ug/l	1805520	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	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	.gamma.-Terpinene	136	C10H16	000099-85-4	90





Sample Results: **VY023842.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

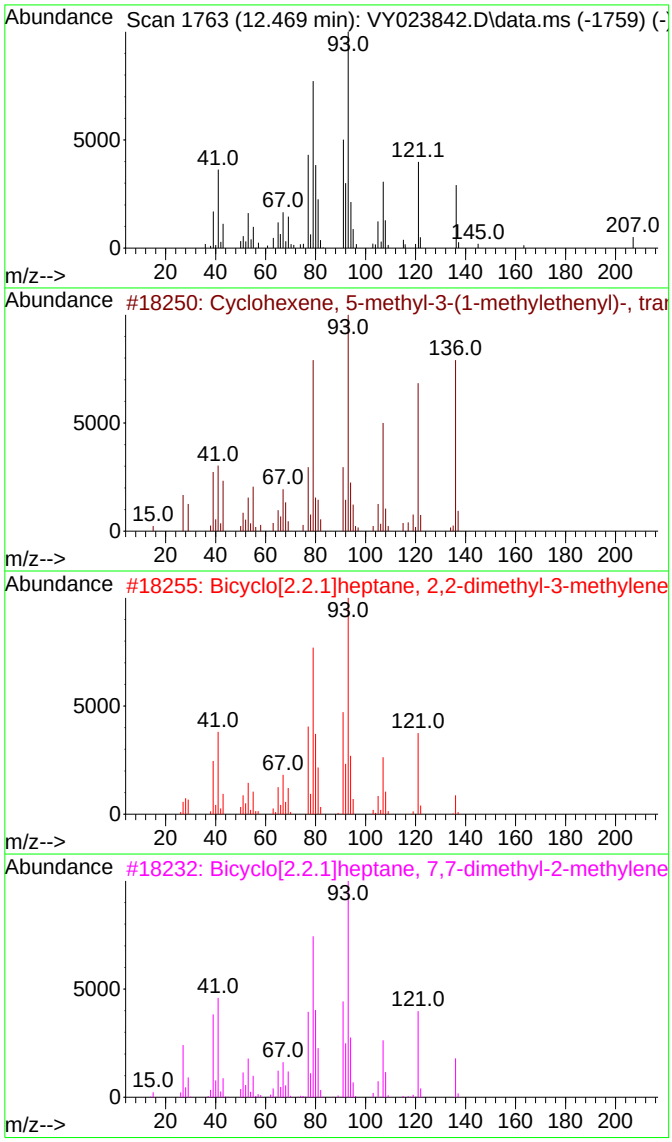
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

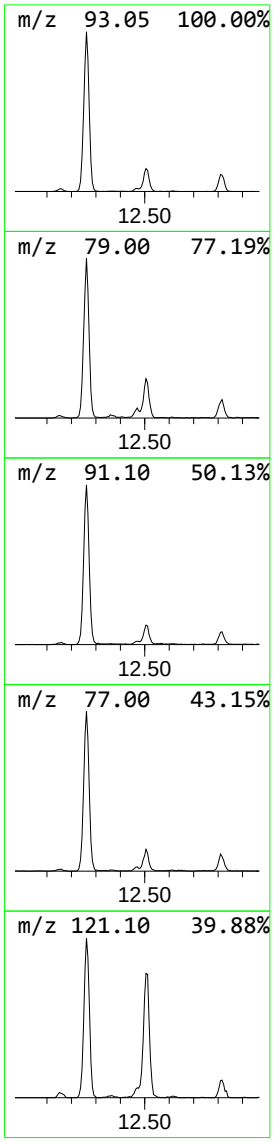
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexene, 5-methyl-3-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	42.17 ug/l	41595	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	93
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	86
3	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	86
4	m-Mentha-4,8-diene, (1S,3S)-(+)-	136	C10H16	005208-51-5	64
5	3-Methylenecycloheptene	108	C8H12	034564-56-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

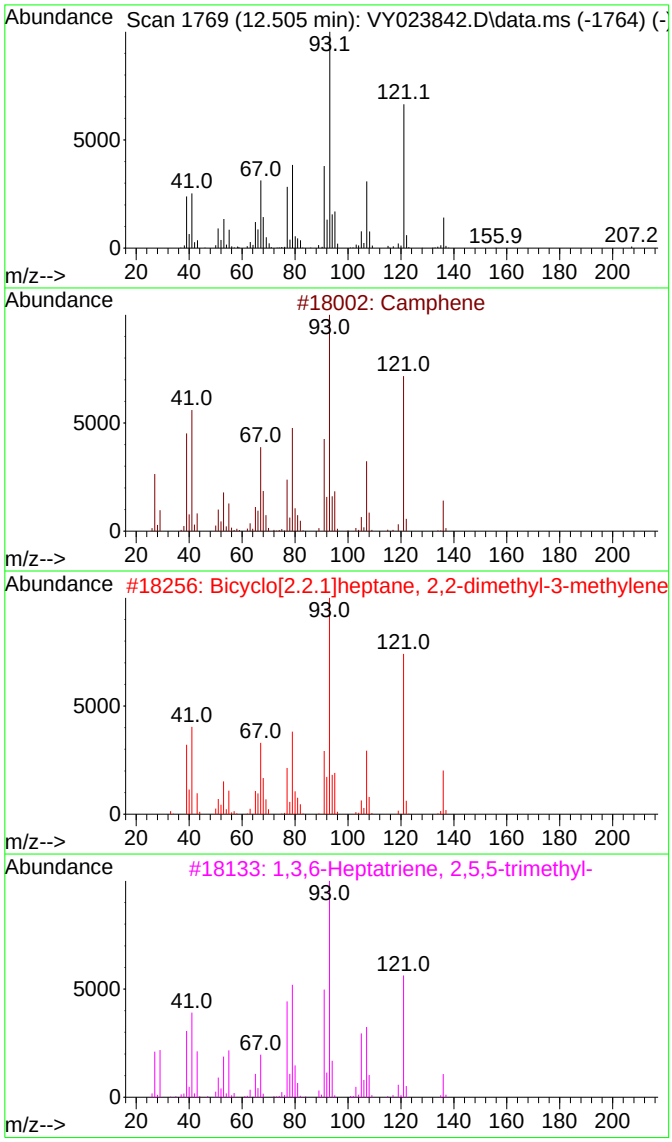
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

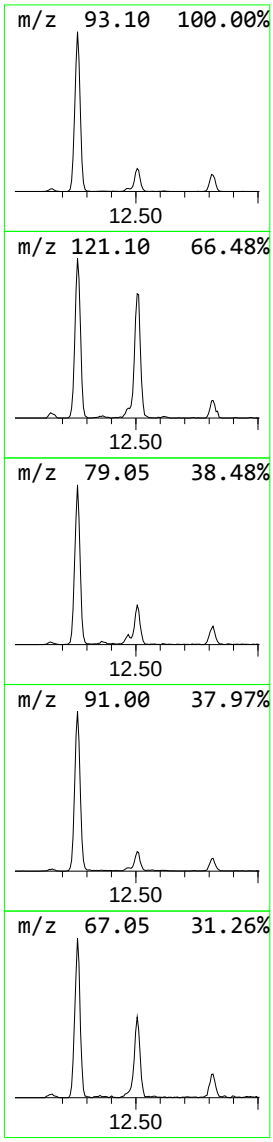
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Camphene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.505	390.47 ug/l	385160	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	94
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	90
3	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	87
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	74
5	(+)-4-Carene	136	C10H16	029050-33-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

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

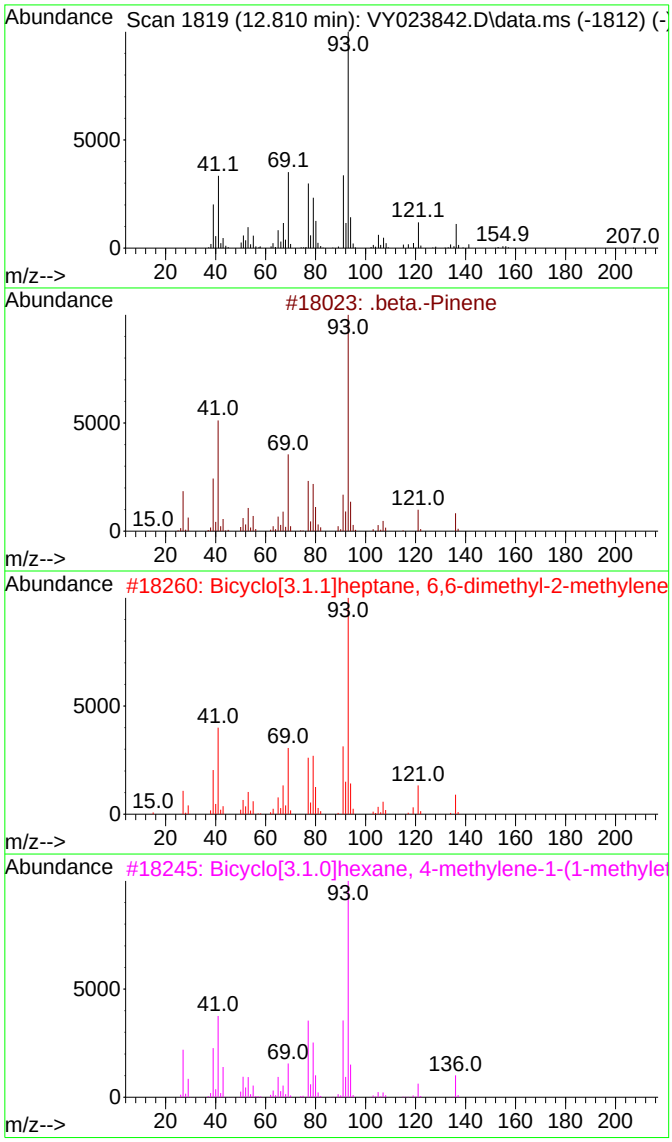
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

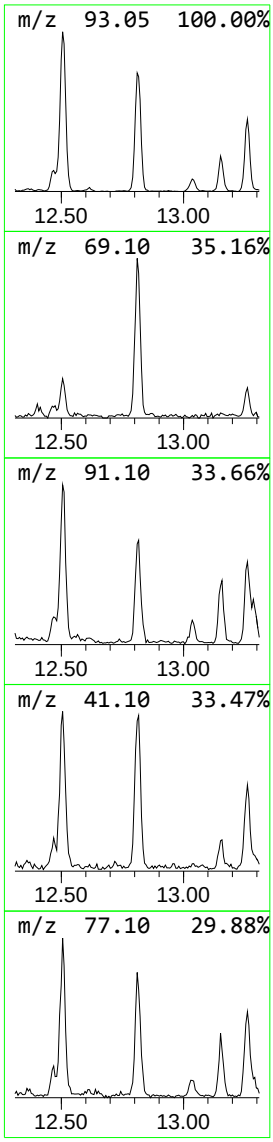
****

Peak Number 6 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.810	231.67 ug/l	228522	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	95
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	95
3	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91
4	.gamma.-Terpinene	136	C10H16	000099-85-4	90
5	.beta.-Phellandrene	136	C10H16	000555-10-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

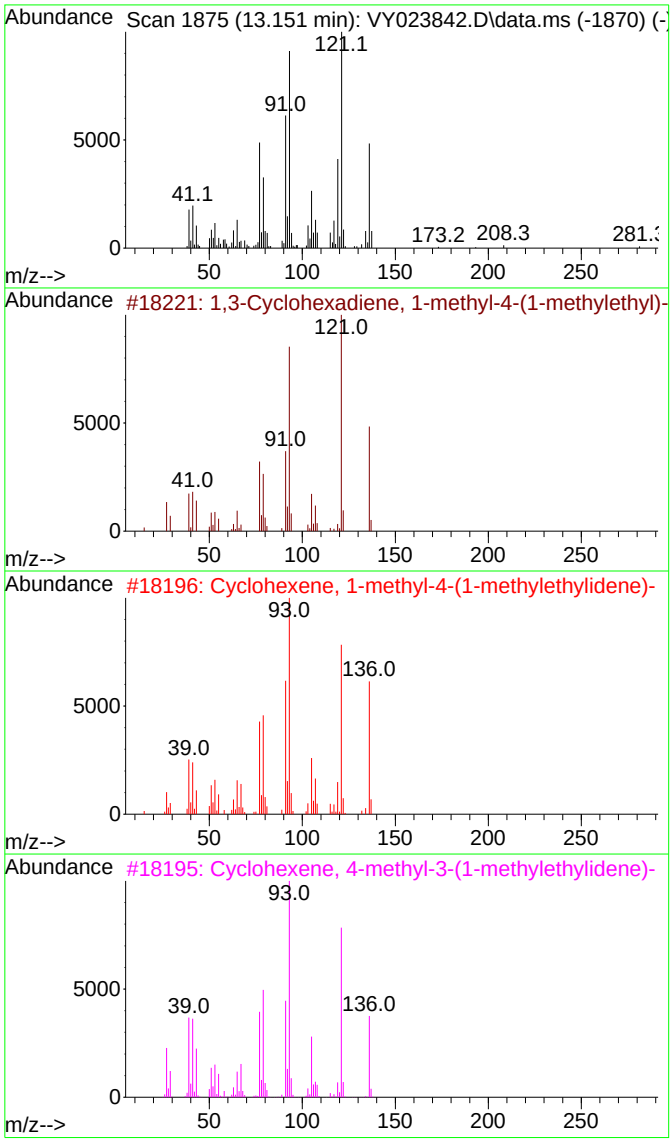
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

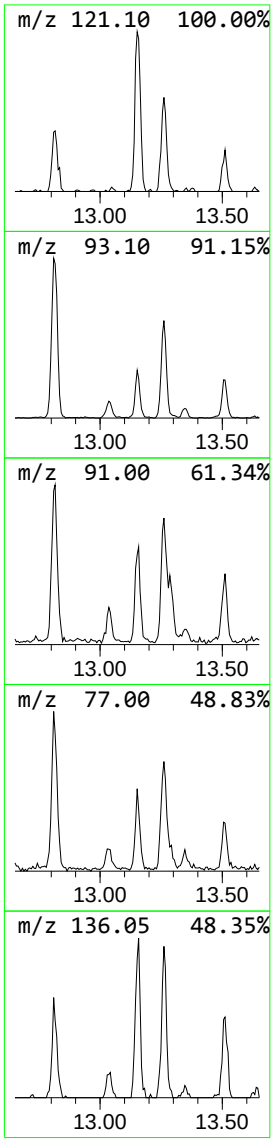
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,3-Cyclohexadiene, 1-methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.152	109.02 ug/l	107537	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	90
3	Cyclohexene, 4-methyl-3-(1-methy...	136	C10H16	099805-90-0	87
4	2-Carene	136	C10H16	000554-61-0	76
5	Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	004497-92-1	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

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

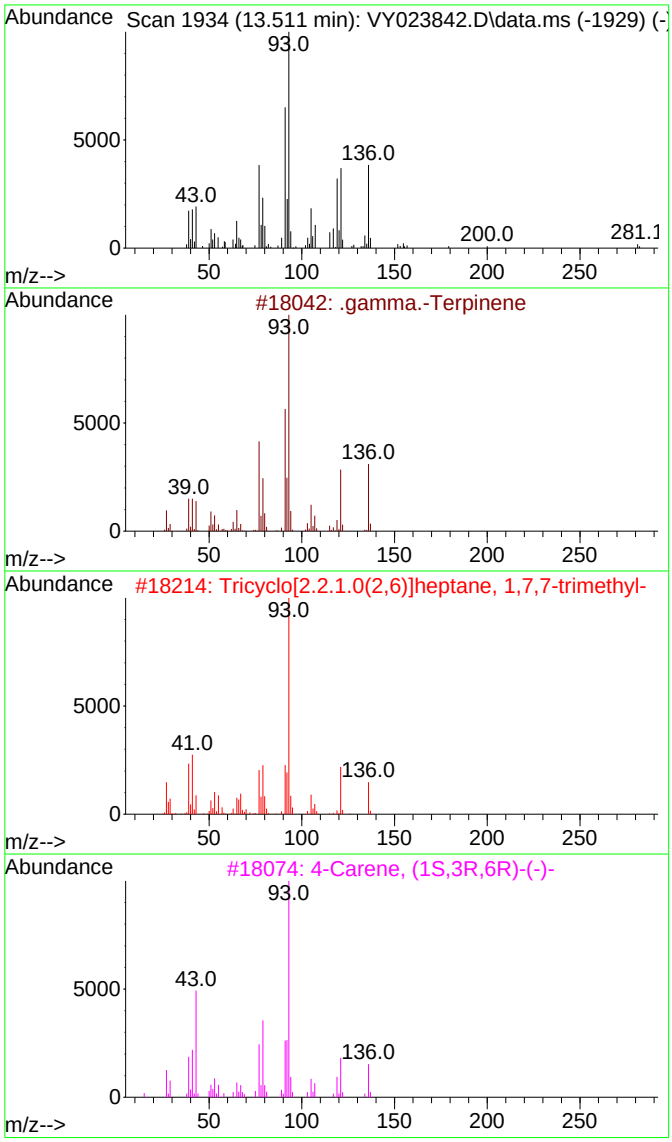
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

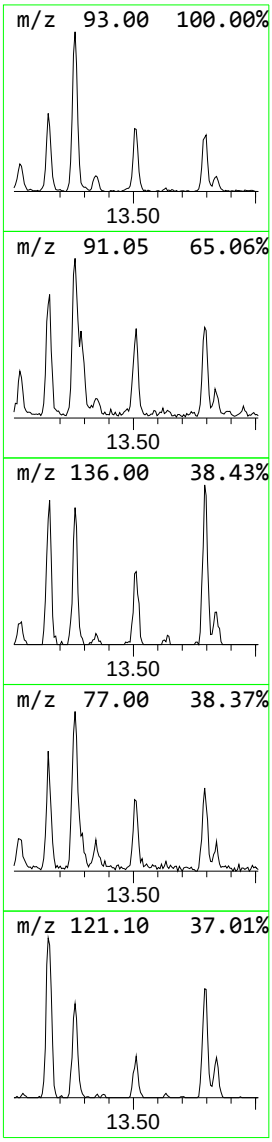
****

Peak Number 9 .gamma.-Terpinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.511	61.43 ug/l	60590	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	94
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	76
3	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	76
4	.beta.-Phellandrene	136	C10H16	000555-10-2	72
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

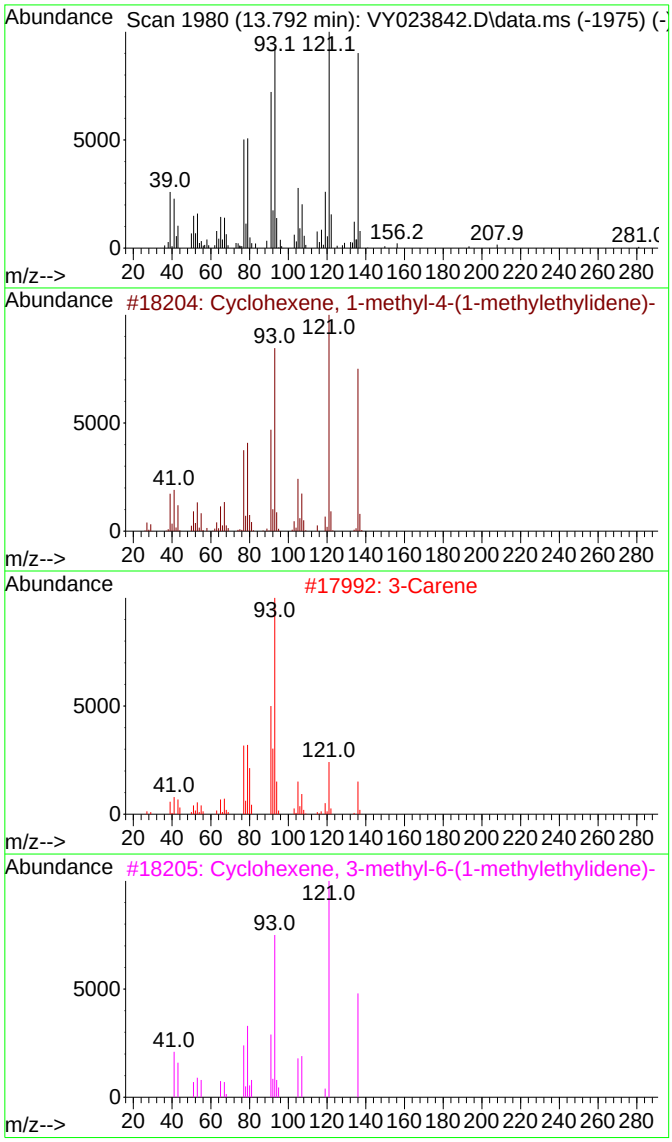
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

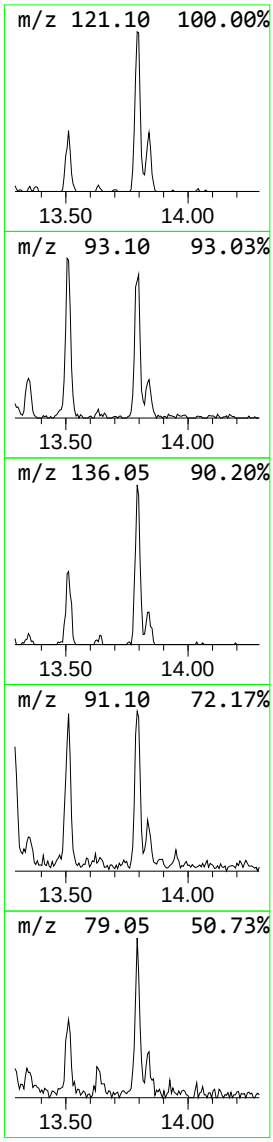
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	85.98 ug/l	84813	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95
2	3-Carene	136	C10H16	013466-78-9	91
3	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	87
4	(+)-4-Carene	136	C10H16	029050-33-7	86
5	2-Carene	136	C10H16	000554-61-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023842.D
Acq On : 01 Dec 2025 14:46
Operator : SY/MD
Sample : Q3741-06
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

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
Tricyclo[2.2.1....	12.152	21.8	ug/l	36564	3	11.420	84048	50.0
.alpha.-Pinene	12.261	1074.1	ug/l	1805520	3	11.420	84048	50.0
Cyclohexene, 5-...	12.469	42.2	ug/l	41595	4	13.347	49320	50.0
Camphene	12.505	390.5	ug/l	385160	4	13.347	49320	50.0
.beta.-Pinene	12.810	231.7	ug/l	228522	4	13.347	49320	50.0
1,3-Cyclohexadi...	13.152	109.0	ug/l	107537	4	13.347	49320	50.0
.gamma.-Terpinene	13.511	61.4	ug/l	60590	4	13.347	49320	50.0
Cyclohexene, 1-...	13.792	86.0	ug/l	84813	4	13.347	49320	50.0

Raw Data: **VY023857.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP4-112525RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-06RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.9
Sample Wt/Vol:	5.06 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	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 13:42	VY120225
74-87-3	Chloromethane	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 13:42	VY120225
75-01-4	Vinyl Chloride	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 13:42	VY120225
74-83-9	Bromomethane	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 13:42	VY120225
75-00-3	Chloroethane	1.40	U	1	1.40	5.80	ug/Kg	12/02/25 13:42	VY120225
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.80	ug/Kg	12/02/25 13:42	VY120225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 13:42	VY120225
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 13:42	VY120225
67-64-1	Acetone	23.7	J	1	5.50	28.8	ug/Kg	12/02/25 13:42	VY120225
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 13:42	VY120225
1634-04-4	Methyl tert-butyl Ether	0.84	U	1	0.84	5.80	ug/Kg	12/02/25 13:42	VY120225
79-20-9	Methyl Acetate	1.80	U	1	1.80	5.80	ug/Kg	12/02/25 13:42	VY120225
75-09-2	Methylene Chloride	4.10	U	1	4.10	11.5	ug/Kg	12/02/25 13:42	VY120225
156-60-5	trans-1,2-Dichloroethene	0.99	U	1	0.99	5.80	ug/Kg	12/02/25 13:42	VY120225
75-34-3	1,1-Dichloroethane	0.92	U	1	0.92	5.80	ug/Kg	12/02/25 13:42	VY120225
110-82-7	Cyclohexane	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 13:42	VY120225
78-93-3	2-Butanone	7.50	U	1	7.50	28.8	ug/Kg	12/02/25 13:42	VY120225
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 13:42	VY120225
156-59-2	cis-1,2-Dichloroethene	0.86	U	1	0.86	5.80	ug/Kg	12/02/25 13:42	VY120225
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.80	ug/Kg	12/02/25 13:42	VY120225
67-66-3	Chloroform	0.97	U	1	0.97	5.80	ug/Kg	12/02/25 13:42	VY120225
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 13:42	VY120225
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 13:42	VY120225
71-43-2	Benzene	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 13:42	VY120225
107-06-2	1,2-Dichloroethane	0.91	U	1	0.91	5.80	ug/Kg	12/02/25 13:42	VY120225
79-01-6	Trichloroethene	0.93	U	1	0.93	5.80	ug/Kg	12/02/25 13:42	VY120225
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 13:42	VY120225
75-27-4	Bromodichloromethane	0.90	U	1	0.90	5.80	ug/Kg	12/02/25 13:42	VY120225
108-10-1	4-Methyl-2-Pentanone	4.10	U	1	4.10	28.8	ug/Kg	12/02/25 13:42	VY120225
108-88-3	Toluene	0.90	U	1	0.90	5.80	ug/Kg	12/02/25 13:42	VY120225
10061-02-6	t-1,3-Dichloropropene	0.75	U	1	0.75	5.80	ug/Kg	12/02/25 13:42	VY120225
10061-01-5	cis-1,3-Dichloropropene	0.71	U	1	0.71	5.80	ug/Kg	12/02/25 13:42	VY120225
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	5.80	ug/Kg	12/02/25 13:42	VY120225
591-78-6	2-Hexanone	4.20	U	1	4.20	28.8	ug/Kg	12/02/25 13:42	VY120225
124-48-1	Dibromochloromethane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 13:42	VY120225
106-93-4	1,2-Dibromoethane	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 13:42	VY120225
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.80	ug/Kg	12/02/25 13:42	VY120225
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.80	ug/Kg	12/02/25 13:42	VY120225
100-41-4	Ethyl Benzene	0.77	U	1	0.77	5.80	ug/Kg	12/02/25 13:42	VY120225
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.5	ug/Kg	12/02/25 13:42	VY120225
95-47-6	o-Xylene	0.94	U	1	0.94	5.80	ug/Kg	12/02/25 13:42	VY120225
100-42-5	Styrene	0.82	U	1	0.82	5.80	ug/Kg	12/02/25 13:42	VY120225
75-25-2	Bromoform	0.99	U	1	0.99	5.80	ug/Kg	12/02/25 13:42	VY120225

Raw Data: **VY023857.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	B50-SP4-112525RE	SDG No.:	Q3741
Lab Sample ID:	Q3741-06RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	85.9
Sample Wt/Vol:	5.06 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	4.40	J	1	0.90	5.80	ug/Kg	12/02/25 13:42	VY120225
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.80	ug/Kg	12/02/25 13:42	VY120225
541-73-1	1,3-Dichlorobenzene	2.00	U	1	2.00	5.80	ug/Kg	12/02/25 13:42	VY120225
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.80	ug/Kg	12/02/25 13:42	VY120225
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	5.80	ug/Kg	12/02/25 13:42	VY120225
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.80	ug/Kg	12/02/25 13:42	VY120225
120-82-1	1,2,4-Trichlorobenzene	3.40	U	1	3.40	5.80	ug/Kg	12/02/25 13:42	VY120225
87-61-6	1,2,3-Trichlorobenzene	3.70	U	1	3.70	5.80	ug/Kg	12/02/25 13:42	VY120225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.2			63 - 155	90%	SPK: 50		
1868-53-7	Dibromofluoromethane	35.2			70 - 134	70%	SPK: 50		
2037-26-5	Toluene-d8	48.5			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	32.5			52 - 138	65%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	84200							
540-36-3	1,4-Difluorobenzene	113000							
3114-55-4	Chlorobenzene-d5	83700							
3855-82-1	1,4-Dichlorobenzene-d4	24700							

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 : VY023857.D
Acq On : 02 Dec 2025 13:42
Operator : SY/MD
Sample : Q3741-06RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Quant Time: Dec 03 01:03:36 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

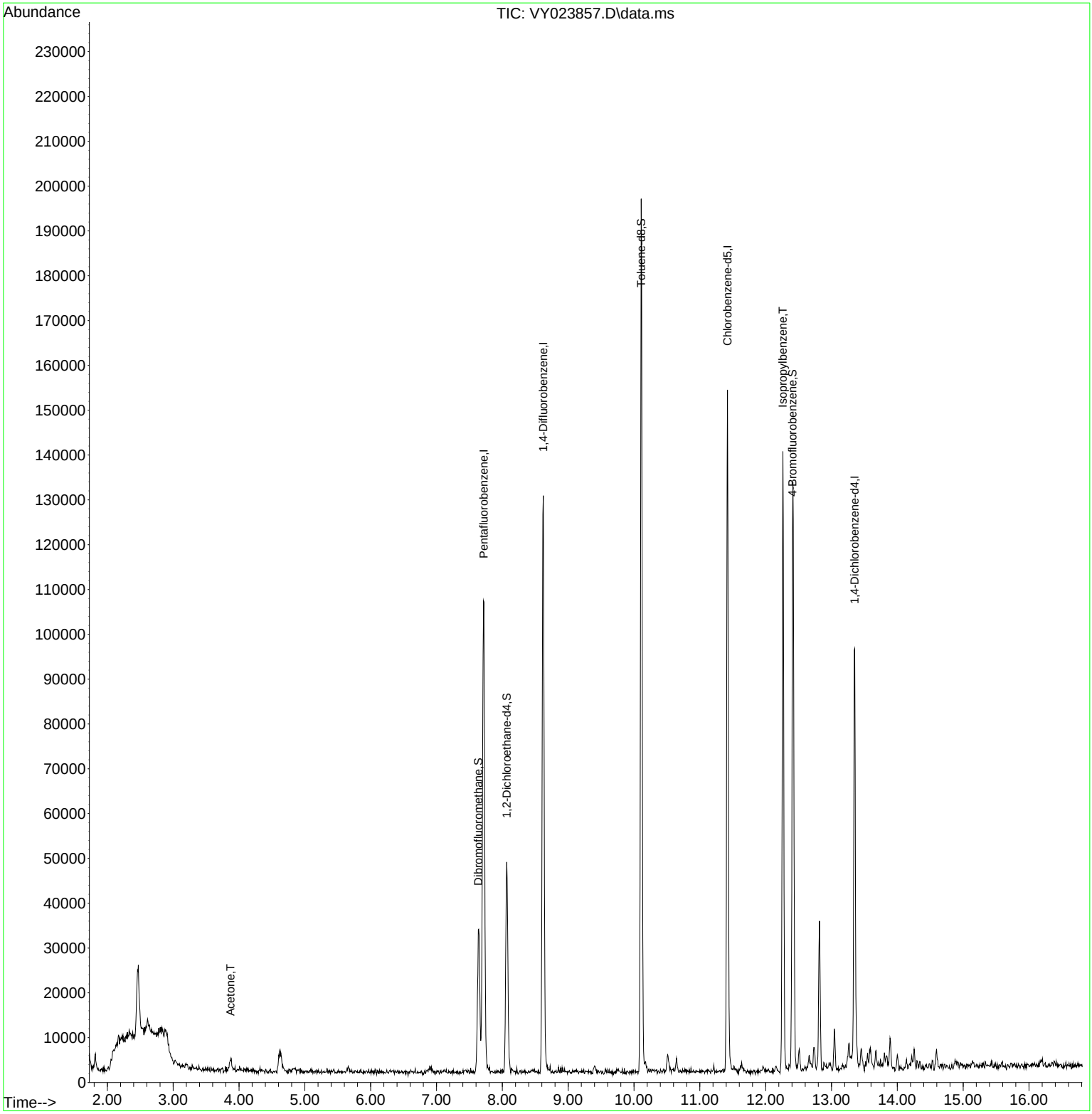
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	84156	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	112665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	83728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	24679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37003	45.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.300%			
35) Dibromofluoromethane	7.634	113	23506	35.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 70.440%			
50) Toluene-d8	10.109	98	128458	48.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.408	95	28388	32.545	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.100%			
Target Compounds						Qvalue
16) Acetone	3.872	43	4873	20.637	ug/l	95
73) Isopropylbenzene	12.261	105	6625	3.782	ug/l #	71

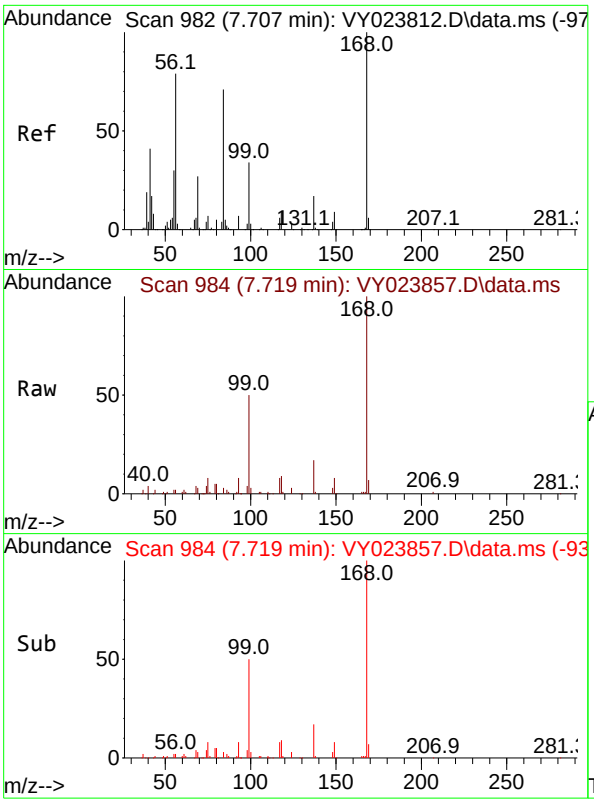
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023857.D
Acq On : 02 Dec 2025 13:42
Operator : SY/MD
Sample : Q3741-06RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Quant Time: Dec 03 01:03:36 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



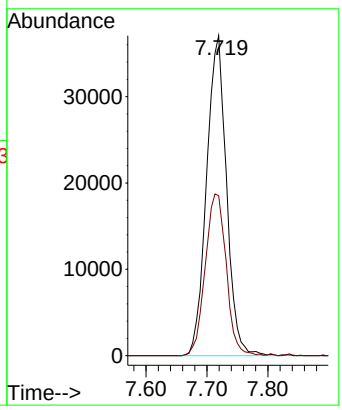


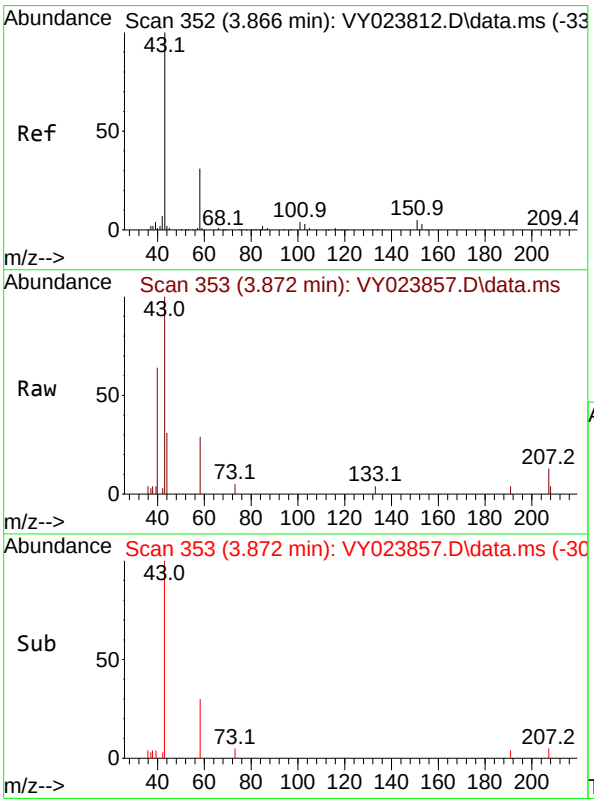
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Tgt Ion:168 Resp: 84156

Ion	Ratio	Lower	Upper
168	100		
99	50.0	44.0	66.0

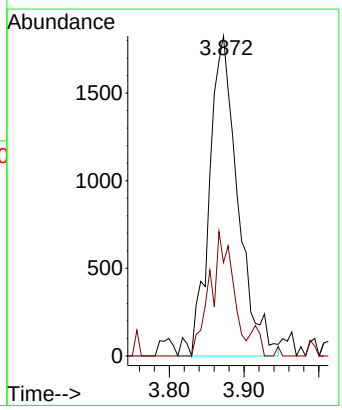


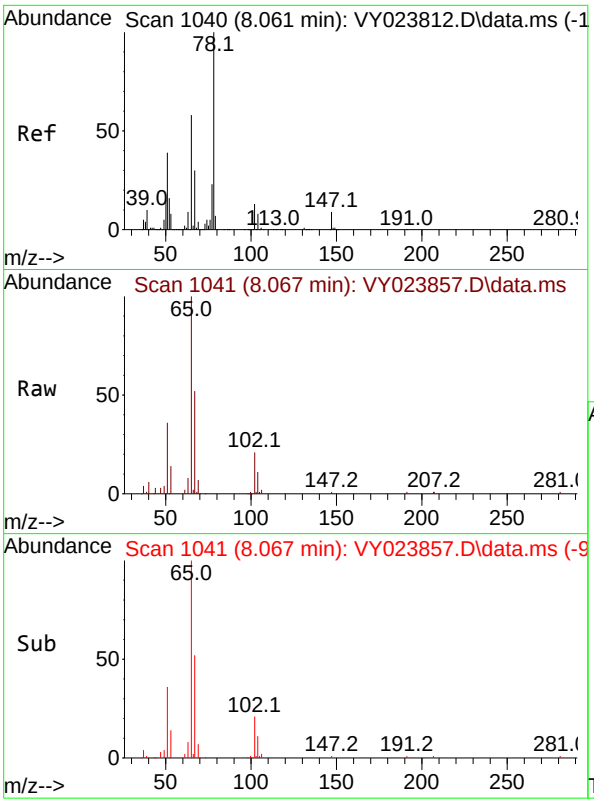


#16
Acetone
Concen: 20.637 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion: 43 Resp: 4873

Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.4	38.2



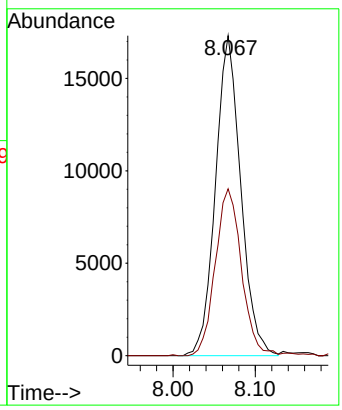


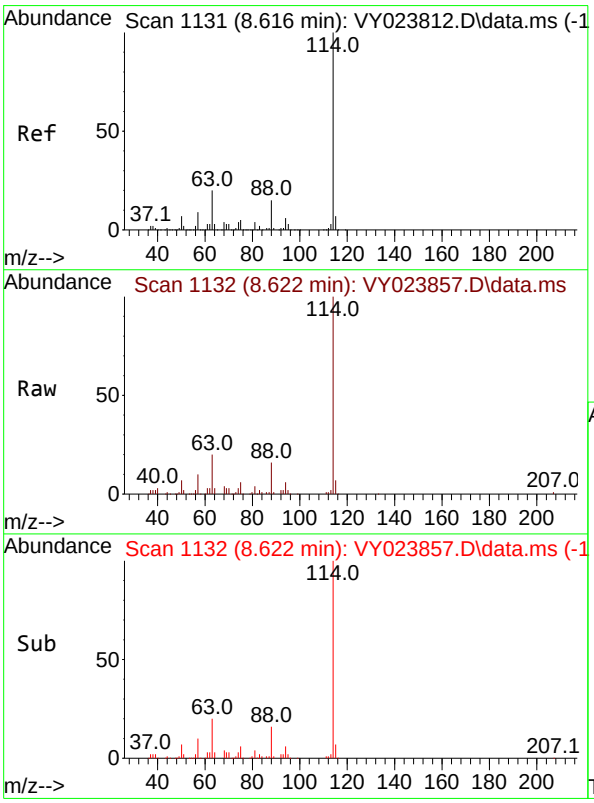
#33
1,2-Dichloroethane-d4
Concen: 45.150 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Tgt Ion: 65 Resp: 37003

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.4

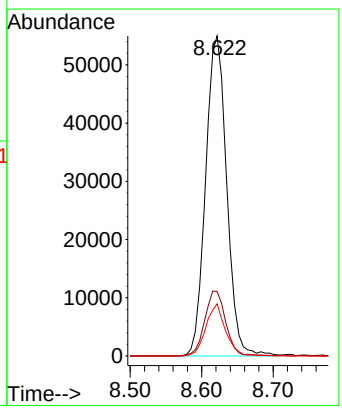


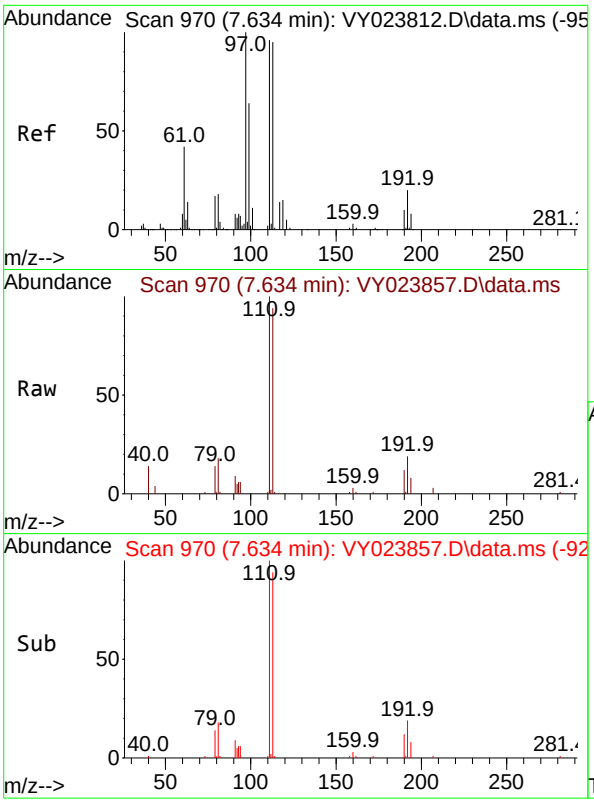


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion:114 Resp: 112665

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.4
88	16.3	0.0	30.8



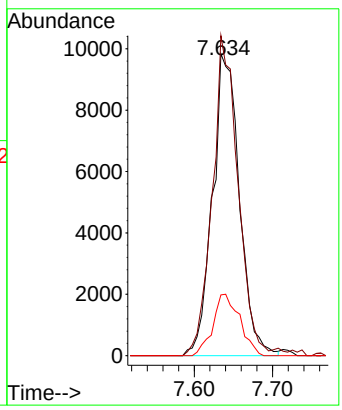


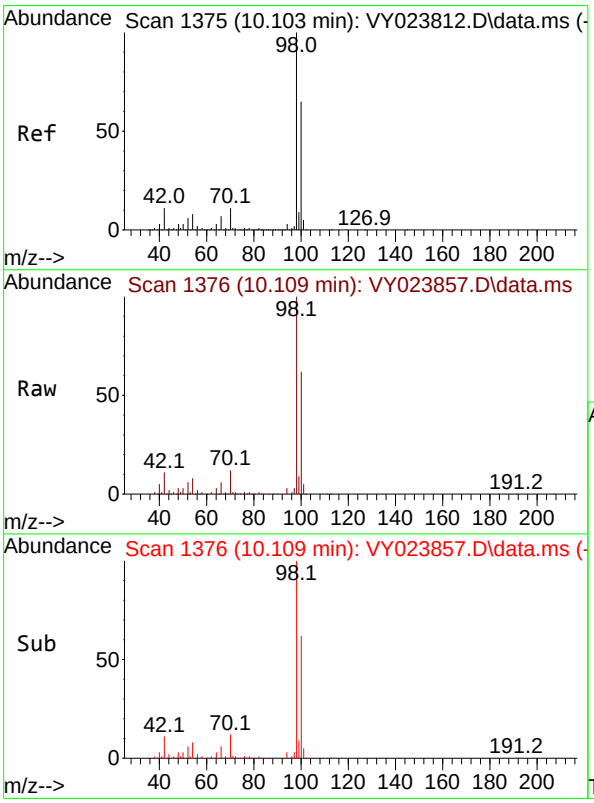
#35
Dibromofluoromethane
Concen: 35.219 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Tgt Ion:113 Resp: 23506

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	20.3	15.8	23.8

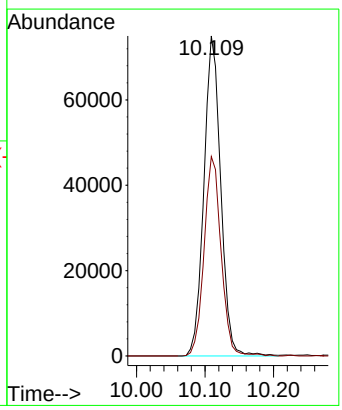


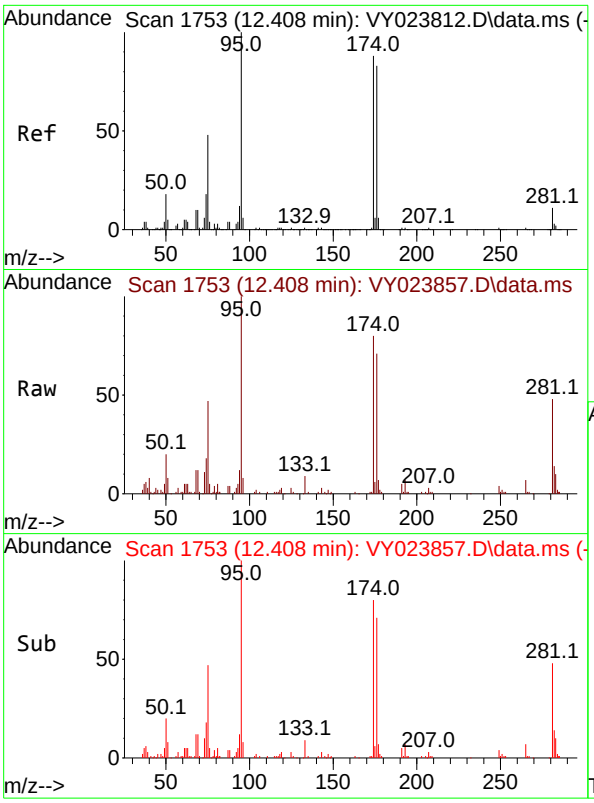


#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion: 98 Resp: 128458

Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.9	77.9



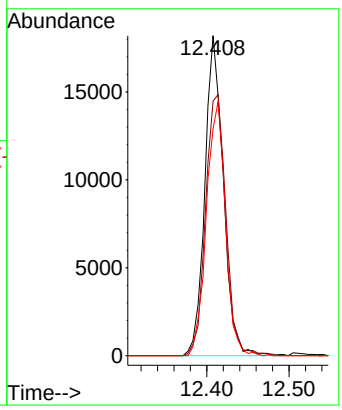


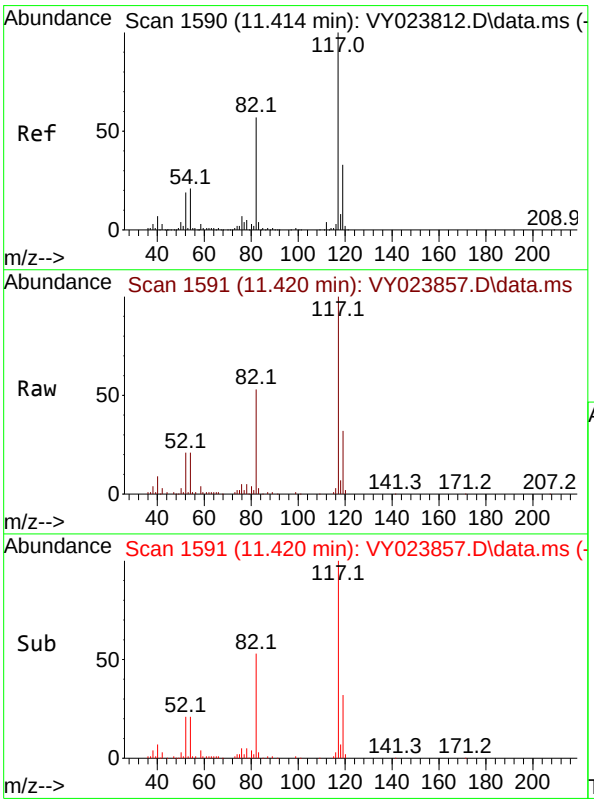
#62
4-Bromofluorobenzene
Concen: 32.545 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Tgt Ion: 95 Resp: 28388

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	168.6
176	81.8	0.0	164.6

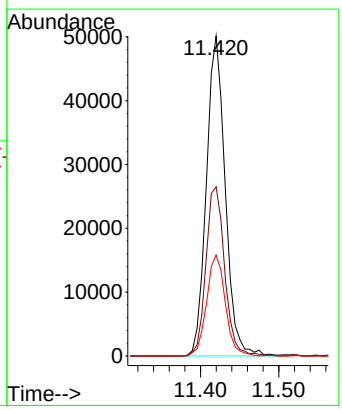


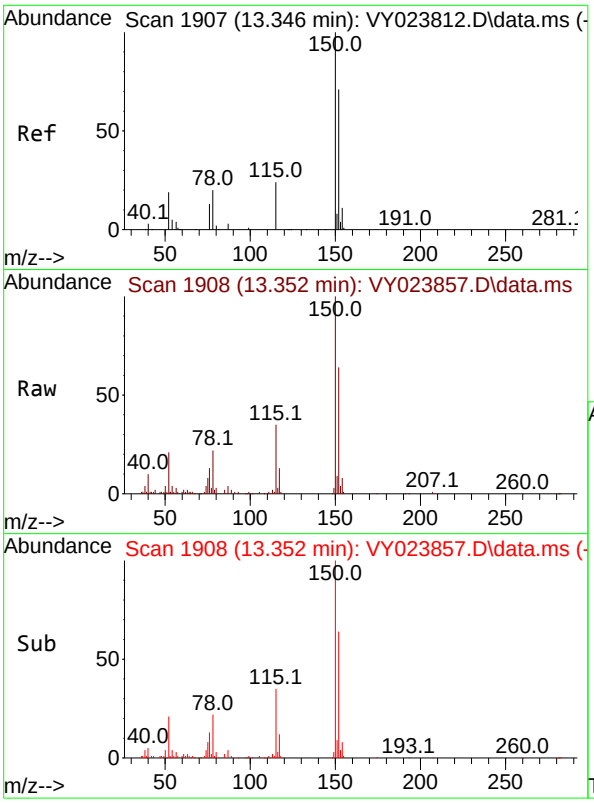


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion:117 Resp: 83728

Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.4	68.0
119	31.6	26.0	39.0



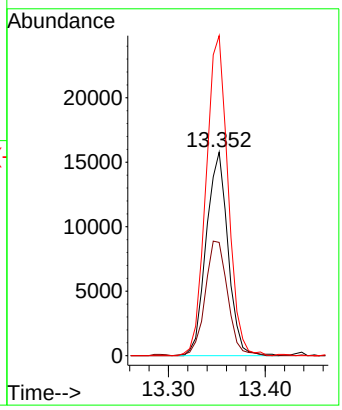


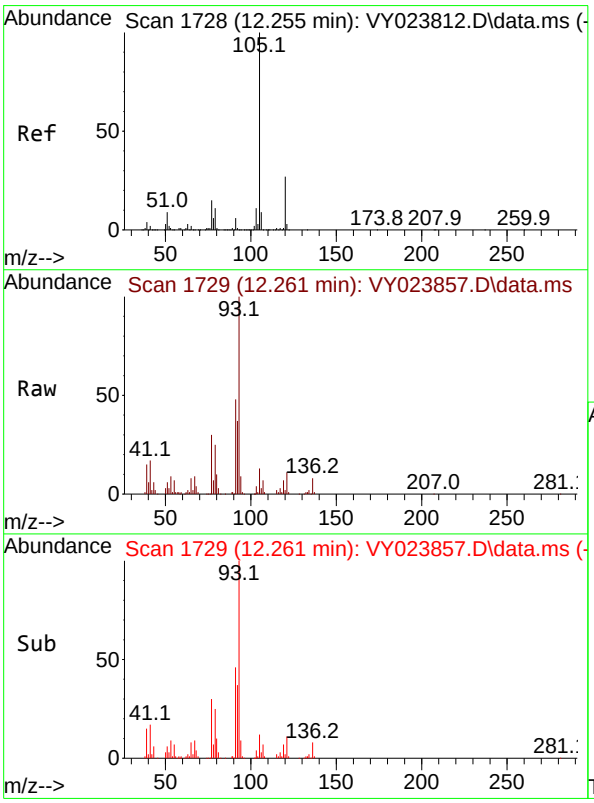
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525RE

Tgt Ion:152 Resp: 24679

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.7	86.3
150	158.5	0.0	345.6

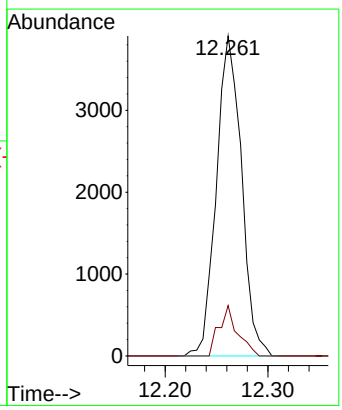




#73
Isopropylbenzene
Concen: 3.782 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY023857.D
Acq: 02 Dec 2025 13:42

Tgt Ion:105 Resp: 6625

Ion	Ratio	Lower	Upper
105	100		
120	11.6	13.3	39.8#



Raw Data: **VN088376.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	TB-1	SDG No.:	Q3741
Lab Sample ID:	Q3741-07	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL 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	0.22	U	1	0.22	1.00	ug/L	12/01/25 12:51	VN120125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/01/25 12:51	VN120125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/01/25 12:51	VN120125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/01/25 12:51	VN120125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/01/25 12:51	VN120125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/01/25 12:51	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/01/25 12:51	VN120125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 12:51	VN120125
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/01/25 12:51	VN120125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	12/01/25 12:51	VN120125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/01/25 12:51	VN120125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/01/25 12:51	VN120125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/01/25 12:51	VN120125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 12:51	VN120125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/01/25 12:51	VN120125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/01/25 12:51	VN120125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/01/25 12:51	VN120125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/01/25 12:51	VN120125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/01/25 12:51	VN120125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 12:51	VN120125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/01/25 12:51	VN120125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/01/25 12:51	VN120125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/01/25 12:51	VN120125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/01/25 12:51	VN120125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 12:51	VN120125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/01/25 12:51	VN120125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/01/25 12:51	VN120125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 12:51	VN120125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/01/25 12:51	VN120125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	12/01/25 12:51	VN120125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/01/25 12:51	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/01/25 12:51	VN120125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/01/25 12:51	VN120125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/01/25 12:51	VN120125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/01/25 12:51	VN120125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/01/25 12:51	VN120125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 12:51	VN120125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 12:51	VN120125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	12/01/25 12:51	VN120125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	12/01/25 12:51	VN120125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/01/25 12:51	VN120125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/01/25 12:51	VN120125
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	12/01/25 12:51	VN120125

Raw Data: **VN088376.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/25/25
Project:	Building 50 Probe Investigation	Date Received:	11/26/25
Client Sample ID:	TB-1	SDG No.:	Q3741
Lab Sample ID:	Q3741-07	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL 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	0.12	U	1	0.12	1.00	ug/L	12/01/25 12:51	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/01/25 12:51	VN120125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 12:51	VN120125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/01/25 12:51	VN120125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 12:51	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/01/25 12:51	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 12:51	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 12:51	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.3			74 - 125	109%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.6			75 - 124	103%	SPK: 50		
2037-26-5	Toluene-d8	50.4			86 - 113	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.5			77 - 121	109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	191000							
540-36-3	1,4-Difluorobenzene	417000							
3114-55-4	Chlorobenzene-d5	399000							
3855-82-1	1,4-Dichlorobenzene-d4	193000							

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_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Quant Time: Dec 02 00:12:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

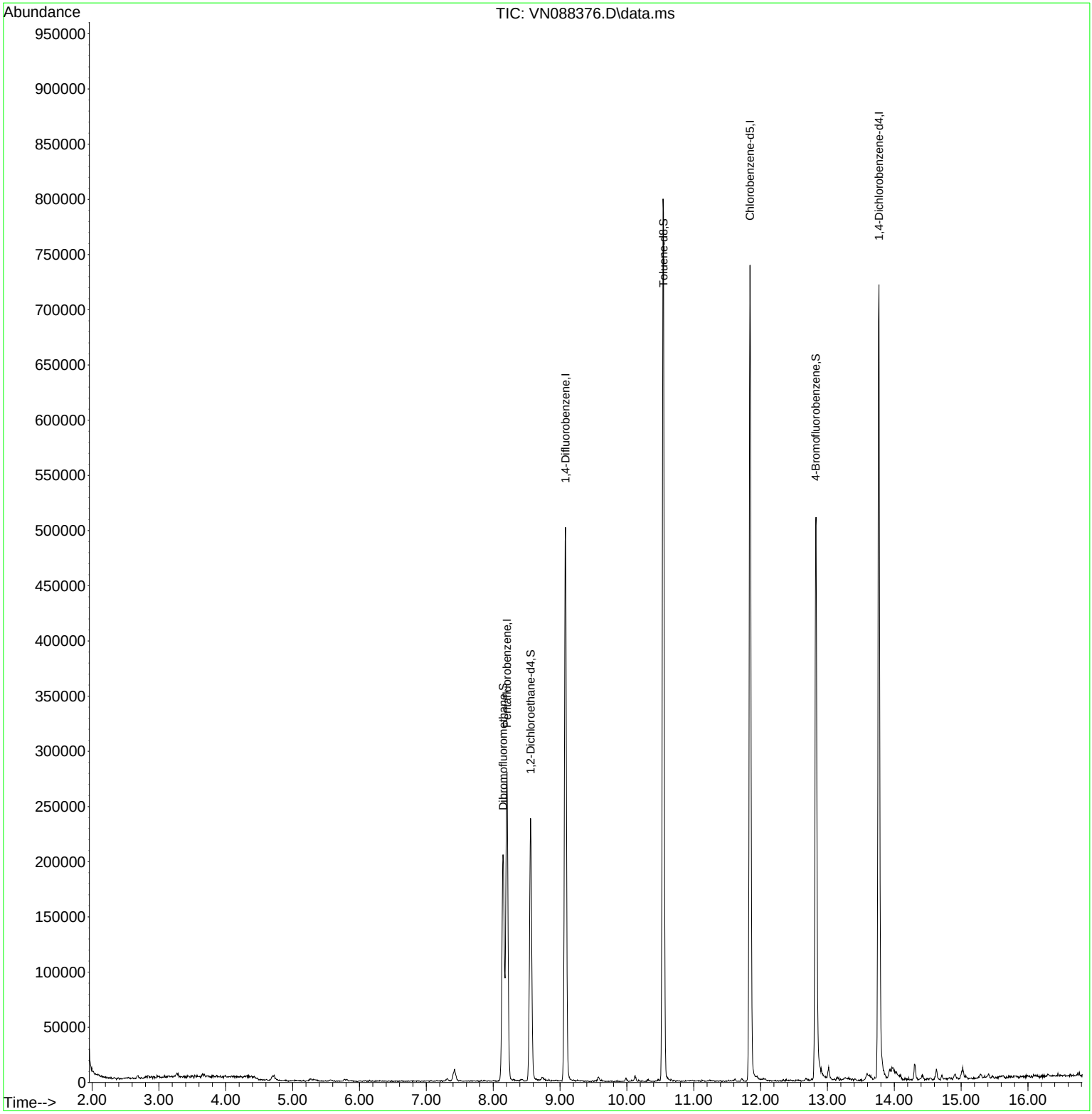
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	190816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	417130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	192688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	195284	54.327	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.660%			
35) Dibromofluoromethane	8.147	113	149281	51.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.280%			
50) Toluene-d8	10.547	98	542248	50.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.823	95	200961	54.454	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.900%			
Target Compounds						Qvalue

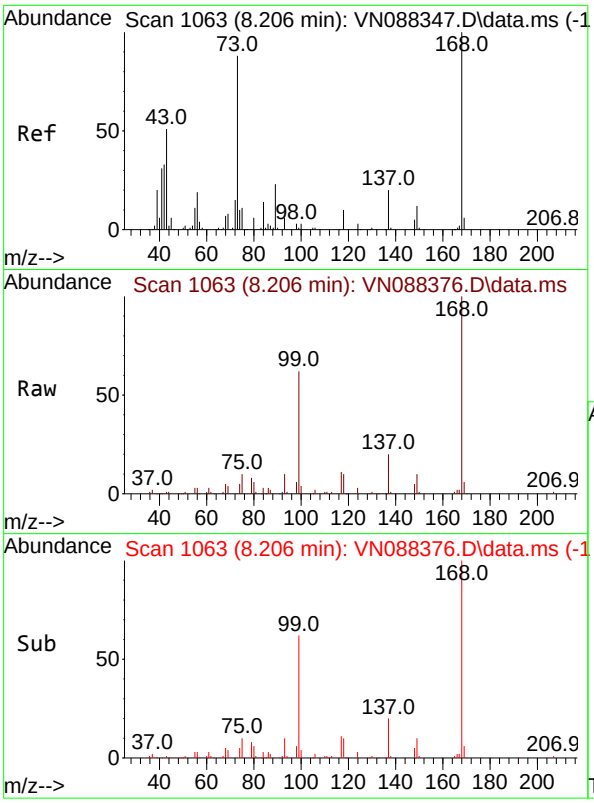
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Quant Time: Dec 02 00:12:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



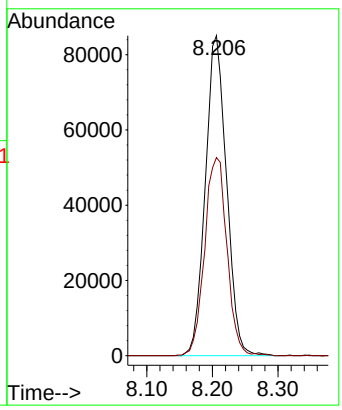


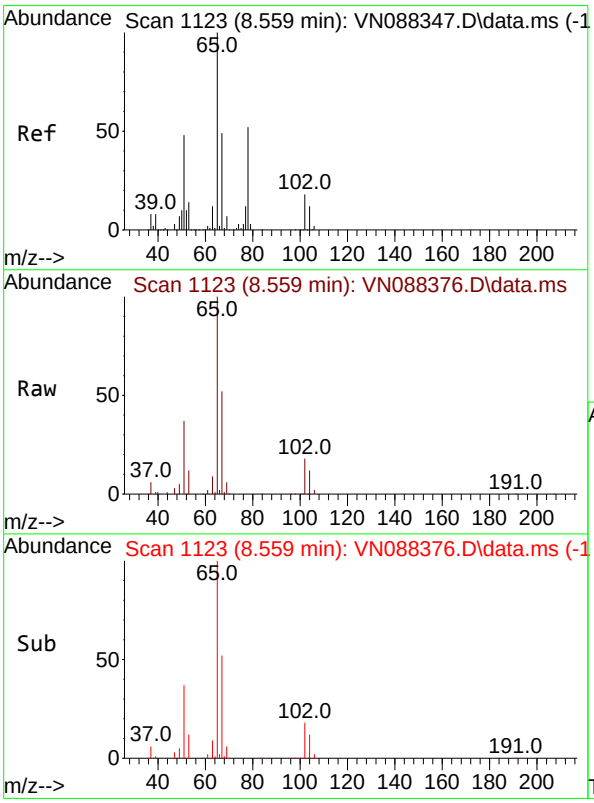
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion:168 Resp: 190816

Ion	Ratio	Lower	Upper
168	100		
99	61.9	57.1	85.7

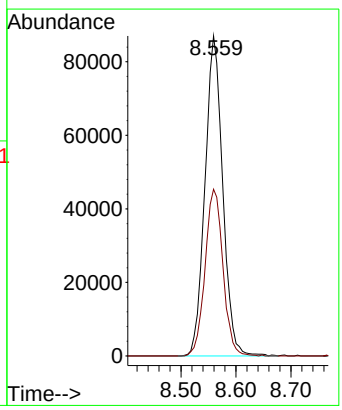


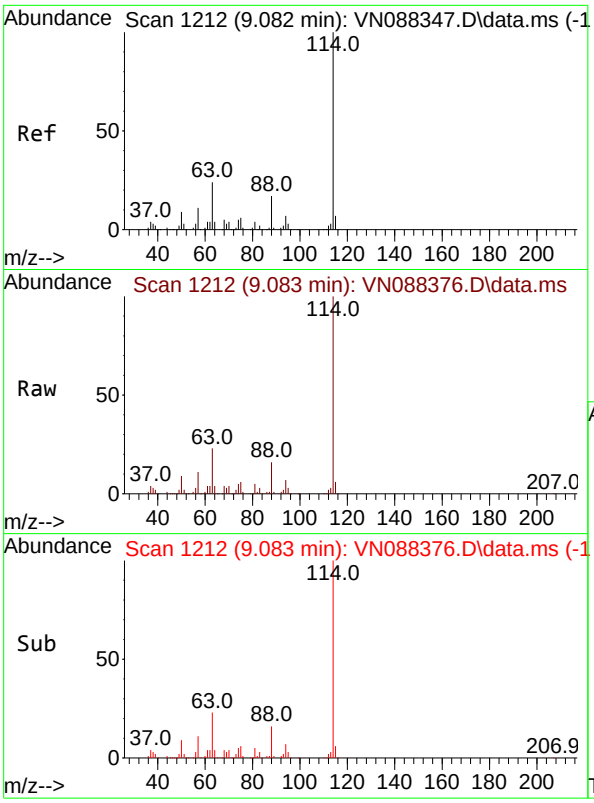


#33
1,2-Dichloroethane-d4
Concen: 54.327 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 65 Resp: 195284

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	100.8



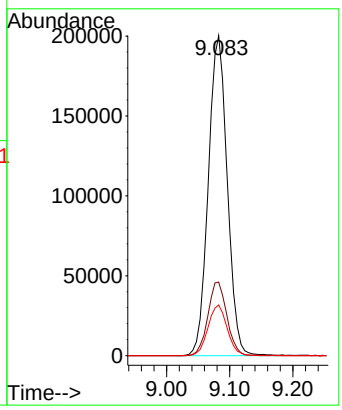


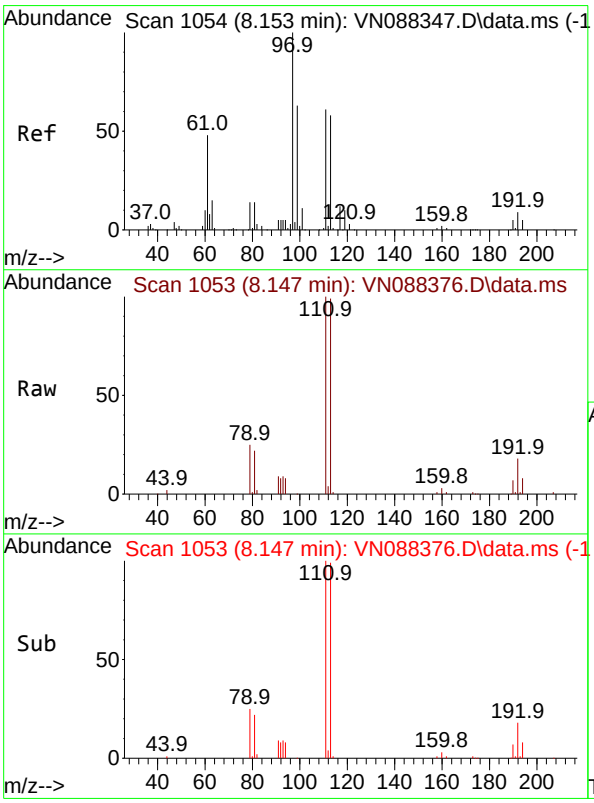
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion:114 Resp: 417130

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	49.0
88	15.8	0.0	34.0

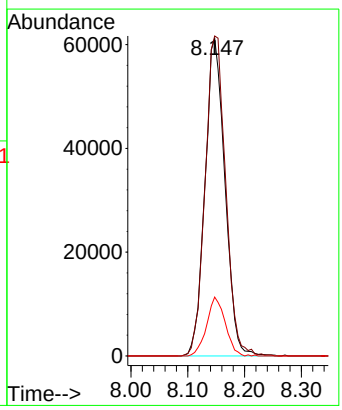


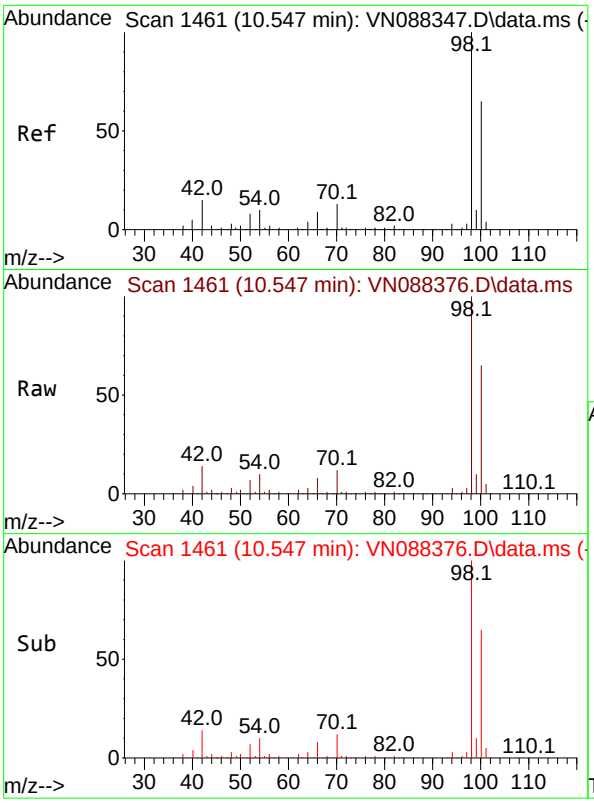


#35
Dibromofluoromethane
Concen: 51.642 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion:113 Resp: 149281

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	17.2	12.8	19.2



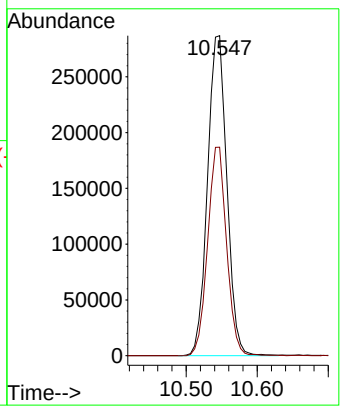


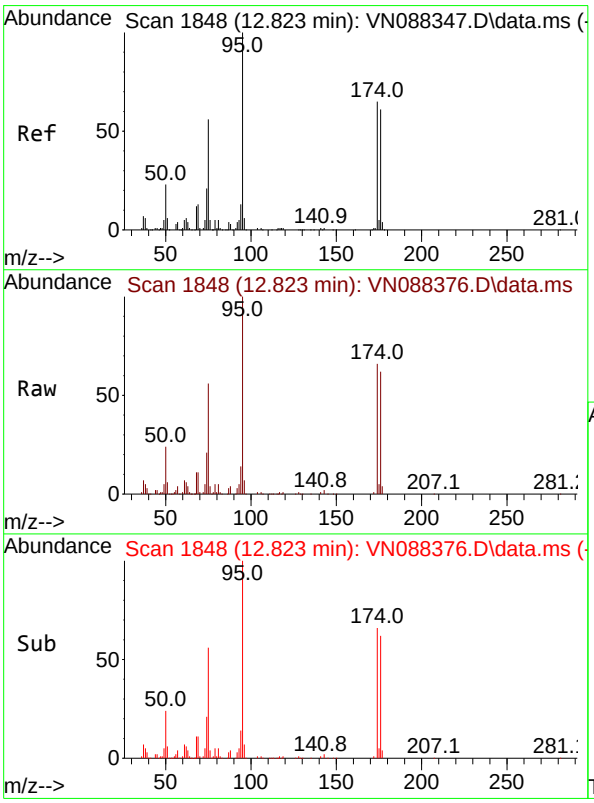
#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion: 98 Resp: 542248

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.2

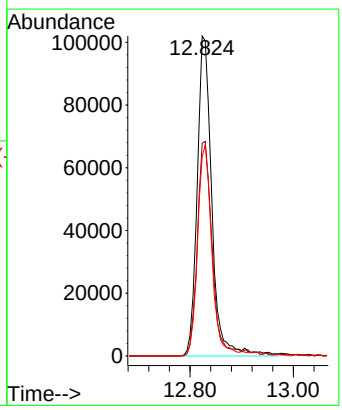


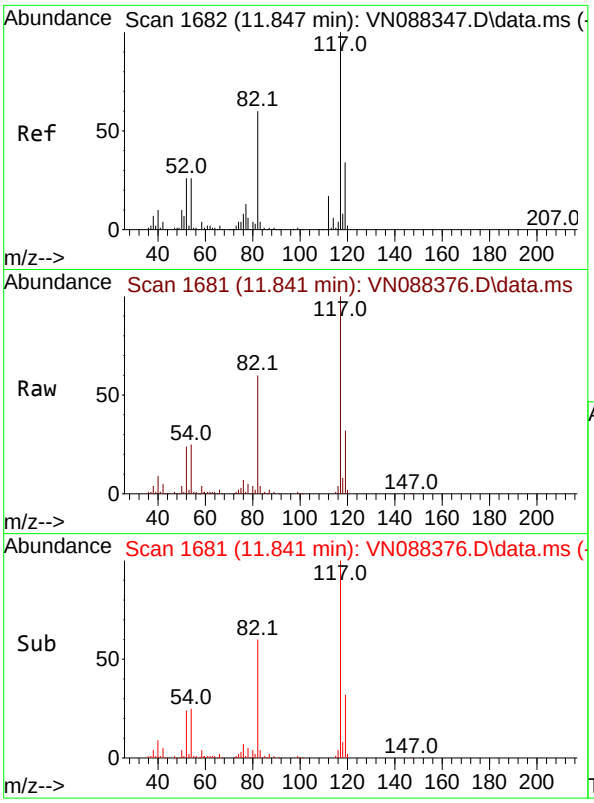


#62
4-Bromofluorobenzene
Concen: 54.454 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 95 Resp: 200961

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	139.0
176	63.5	0.0	132.4



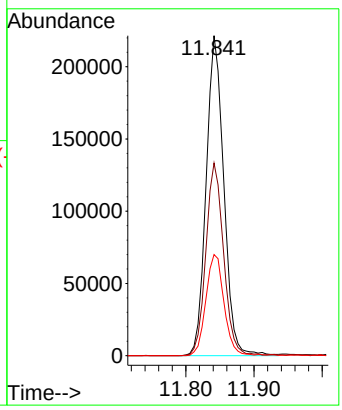


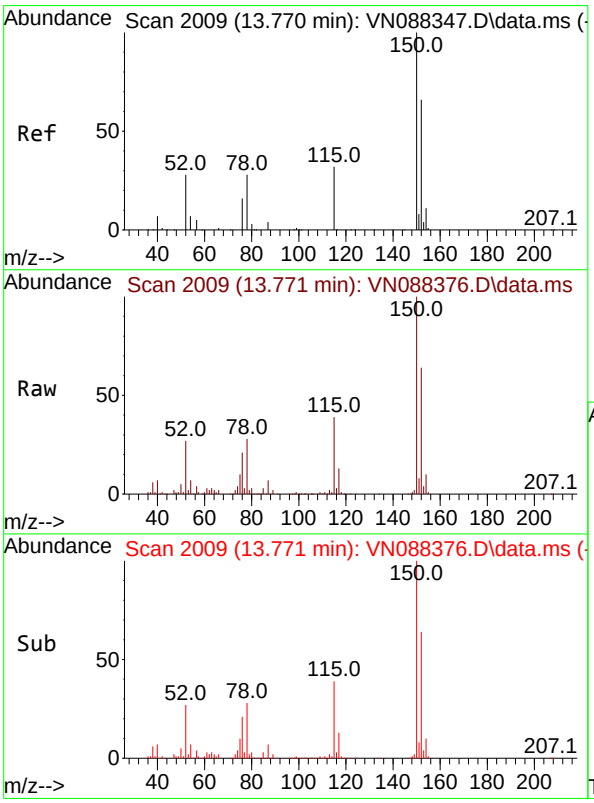
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion:117 Resp: 399475

Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.8	71.8
119	31.6	26.9	40.3

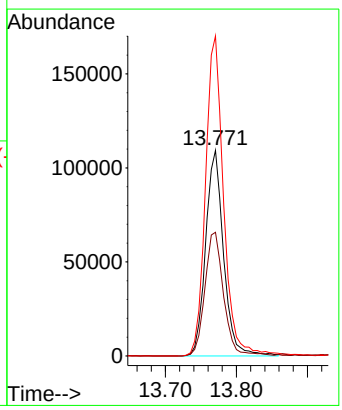




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion:152 Resp: 192688

Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.0	98.9
150	157.3	0.0	349.0



Sample Results: **VN088376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-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_N\methods\82N112425W.M
Title : SW846 8260

Signal : TIC: VN088376.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	921	930	940	rVB2	10803	29620	1.99%	0.372%
2	8.147	1042	1053	1058	rBV	205266	514251	34.56%	6.459%
3	8.206	1058	1063	1073	rVB	278643	615982	41.40%	7.737%
4	8.559	1113	1123	1137	rBV	237953	540923	36.35%	6.794%
5	9.083	1203	1212	1226	rBV	501734	1062096	71.38%	13.340%
6	10.541	1452	1460	1469	rBV	799131	1487903	100.00%	18.689%
7	11.841	1671	1681	1694	rBV	739610	1353006	90.93%	16.994%
8	12.829	1840	1849	1861	rBV	509711	986127	66.28%	12.386%
9	13.018	1876	1881	1890	rVB3	11637	20575	1.38%	0.258%
10	13.594	1968	1979	1982	rBV6	6872	17147	1.15%	0.215%
11	13.771	2001	2009	2020	rBV	719073	1284663	86.34%	16.136%
12	14.306	2093	2100	2108	rBV3	14650	28972	1.95%	0.364%
13	14.629	2146	2155	2165	rBV4	9812	20201	1.36%	0.254%

Sum of corrected areas: 7961466

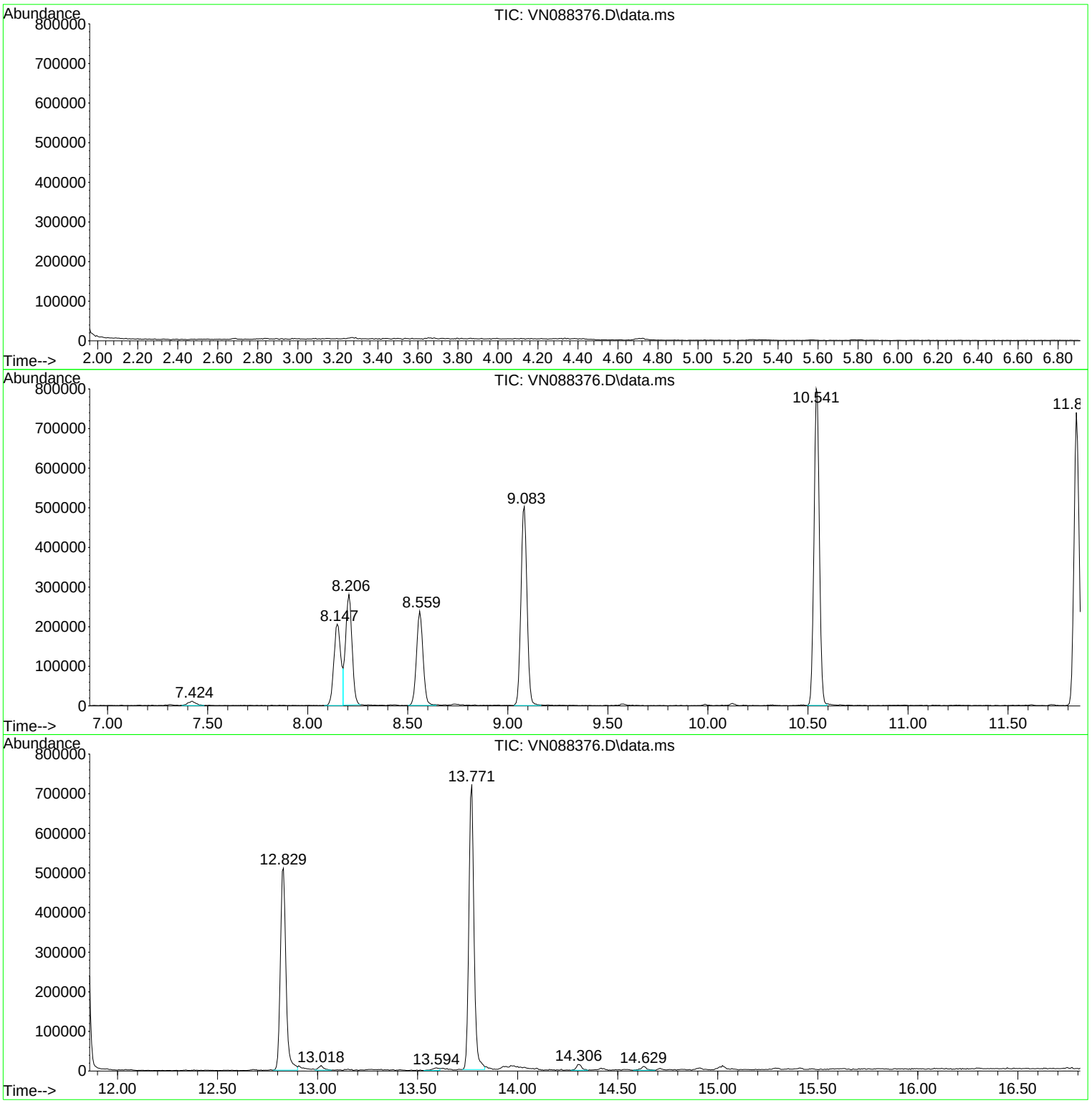
Sample Results: **VN088376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VN088376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088376.D
Acq On : 01 Dec 2025 12:51
Operator : JC\MD
Sample : Q3741-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q3741

Instrument ID: MSVOA_N Calibration Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35

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

LAB FILE ID: RRF001 = VN088344.D RRF005 = VN088345.D RRF020 = VN088346.D
RRF050 = VN088347.D RRF100 = VN088348.D RRF150 = VN088349.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.719	0.676	0.796	0.741	0.838	0.736	0.751	7.7
Chloromethane	0.911	0.800	0.805	0.801	0.759	0.764	0.807	6.8
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
Bromomethane		0.407	0.392	0.396	0.387	0.392	0.395	1.9
Chloroethane	0.555	0.503	0.496	0.505	0.502	0.485	0.508	4.8
Trichlorofluoromethane	1.234	1.170	1.168	1.092	1.201	1.055	1.153	5.8
1,1,2-Trichlorotrifluoroethane	0.660	0.635	0.639	0.564	0.633	0.553	0.614	7.2
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
Acetone	0.412	0.355	0.322	0.335	0.305	0.314	0.341	11.5
Carbon Disulfide	2.061	2.043	2.043	1.983	1.996	1.833	1.993	4.2
Methyl tert-butyl Ether	2.126	2.239	2.245	2.504	2.265	2.333	2.285	5.5
Methyl Acetate	1.072	1.048	0.957	1.049	0.972	0.985	1.014	4.7
Methylene Chloride	0.797	0.752	0.704	0.756	0.686	0.678	0.729	6.4
trans-1,2-Dichloroethene	0.752	0.668	0.676	0.686	0.647	0.626	0.676	6.4
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
Cyclohexane		1.450	1.264	1.133	1.237	1.109	1.239	10.9
2-Butanone	0.509	0.538	0.548	0.596	0.540	0.556	0.548	5.2
Carbon Tetrachloride	0.565	0.504	0.548	0.499	0.570	0.509	0.532	6
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
Bromochloromethane	0.724	0.722	0.684	0.735	0.624	0.597	0.681	8.5
Chloroform	1.377	1.362	1.351	1.392	1.291	1.285	1.343	3.3
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Methylcyclohexane	0.534	0.542	0.606	0.527	0.662	0.561	0.572	9.1
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,2-Dichloropropane	0.426	0.402	0.402	0.406	0.396	0.381	0.402	3.6
Bromodichloromethane	0.602	0.586	0.586	0.589	0.583	0.566	0.586	2
4-Methyl-2-Pentanone	0.540	0.616	0.661	0.673	0.658	0.651	0.633	7.8
Toluene	0.829	0.885	0.940	0.913	0.960	0.911	0.906	5.1

* 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: CORE02

Lab Code: ACE | SDG No.: Q3741

Instrument ID: MSVOA_N | Calibration Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N | Calibration Time(s): 12:38 14:35

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

LAB FILE ID: RRF001 = VN088344.D RRF005 = VN088345.D RRF020 = VN088346.D
RRF050 = VN088347.D RRF100 = VN088348.D RRF150 = VN088349.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.567	0.553	0.598	0.631	0.631	0.625	0.601	5.7
cis-1,3-Dichloropropene	0.590	0.618	0.628	0.662	0.654	0.640	0.632	4.2
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
2-Hexanone	0.359	0.301	0.406	0.436	0.442	0.450	0.399	14.7
Dibromochloromethane	0.384	0.386	0.406	0.409	0.410	0.404	0.400	2.9
1,2-Dibromoethane	0.304	0.367	0.364	0.369	0.367	0.359	0.355	7.2
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
Chlorobenzene	1.114	1.142	1.161	1.106	1.145	1.070	1.123	3
Ethyl Benzene	1.881	1.860	2.014	1.938	2.133	1.952	1.963	5.1
m/p-Xylenes	0.658	0.690	0.769	0.733	0.788	0.728	0.728	6.6
o-Xylene	0.670	0.619	0.722	0.696	0.749	0.708	0.694	6.5
Styrene	0.884	1.025	1.163	1.193	1.284	1.210	1.127	12.9
Bromoform	0.224	0.273	0.285	0.285	0.302	0.295	0.277	10.1
Isopropylbenzene	3.339	3.528	3.944	3.624	4.040	3.706	3.697	7.1
1,1,2,2-Tetrachloroethane	1.377	1.218	1.231	1.127	1.135	1.082	1.195	8.9
1,3-Dichlorobenzene	1.730	1.573	1.720	1.606	1.676	1.574	1.647	4.3
1,4-Dichlorobenzene	1.747	1.825	1.786	1.681	1.702	1.608	1.725	4.5
1,2-Dichlorobenzene	1.518	1.574	1.583	1.521	1.595	1.505	1.550	2.5
1,2-Dibromo-3-Chloropropane	0.284	0.284	0.284	0.288	0.300	0.300	0.290	2.8
1,2,4-Trichlorobenzene	0.998	0.864	0.901	0.889	0.955	0.917	0.921	5.3
1,2,3-Trichlorobenzene	0.942	0.850	0.888	0.875	0.930	0.891	0.896	3.8
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

* 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 MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025
Response Via : Initial Calibration

Calibration Files
1 =VN088344.D 5 =VN088345.D 20 =VN088346.D 50 =VN088347.D 100 =VN088348.D 150 =VN088349.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.719	0.676	0.796	0.741	0.838	0.736	0.751	7.67
3)	P	Chloromethane	0.911	0.800	0.805	0.801	0.759	0.764	0.807	6.79
4)	C	Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.78#
5)	T	Bromomethane		0.407	0.392	0.396	0.387	0.392	0.395	1.85
6)	T	Chloroethane	0.555	0.503	0.496	0.505	0.502	0.485	0.508	4.82
7)	T	Trichlorofluor...	1.234	1.170	1.168	1.092	1.201	1.055	1.153	5.84
8)	T	Diethyl Ether	0.495	0.451	0.395	0.444	0.401	0.411	0.433	8.73
9)	T	1,1,2-Trichlor...	0.660	0.635	0.639	0.564	0.633	0.553	0.614	7.17
10)	T	Methyl Iodide		0.498	0.584	0.662	0.660	0.636	0.608	11.40
11)	T	Tert butyl alc...		0.151	0.149	0.161	0.142	0.148	0.150	4.64
12)	CM	1,1-Dichloroet...	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.83#
13)	T	Acrolein		0.146	0.132	0.151	0.143	0.147	0.144	5.00
14)	T	Allyl chloride	1.107	1.143	1.117	1.149	1.132	1.135	1.131	1.38
15)	T	Acrylonitrile	0.435	0.435	0.432	0.466	0.416	0.418	0.434	4.14
16)	T	Acetone	0.412	0.355	0.322	0.335	0.305	0.314	0.341	11.49
17)	T	Carbon Disulfide	2.061	2.043	2.043	1.983	1.996	1.833	1.993	4.22
18)	T	Methyl Acetate	1.072	1.048	0.957	1.049	0.972	0.985	1.014	4.74
19)	T	Methyl tert-bu...	2.126	2.239	2.245	2.504	2.265	2.333	2.285	5.53
20)	T	Methylene Chlo...	0.797	0.752	0.704	0.756	0.686	0.678	0.729	6.44
21)	T	trans-1,2-Dich...	0.752	0.668	0.676	0.686	0.647	0.626	0.676	6.39
22)	T	Diisopropyl ether	2.267	2.415	2.439	2.580	2.359	2.424	2.414	4.26
23)	T	Vinyl Acetate	1.711	1.879	1.997	2.137	1.943	2.002	1.945	7.35
24)	P	1,1-Dichloroet...	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.27
25)	T	2-Butanone	0.509	0.538	0.548	0.596	0.540	0.556	0.548	5.17
26)	T	2,2-Dichloropr...	1.245	1.133	1.185	1.204	1.176	1.137	1.180	3.56
27)	T	cis-1,2-Dichlo...	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.22
28)	T	Bromochloromet...	0.724	0.722	0.684	0.735	0.624	0.597	0.681	8.47
29)	T	Tetrahydrofuran	0.354	0.397	0.394	0.429	0.384	0.398	0.393	6.18
30)	C	Chloroform	1.377	1.362	1.351	1.392	1.291	1.285	1.343	3.33#
31)	T	Cyclohexane		1.450	1.264	1.133	1.237	1.109	1.239	10.92
32)	T	1,1,1-Trichlor...	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.27
33)	S	1,2-Dichloroet...		0.954	0.916	0.999	0.882	0.960	0.942	4.74
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.361	0.350	0.350	0.334	0.337	0.346	3.17
36)	T	1,1-Dichloropr...	0.607	0.542	0.531	0.491	0.547	0.490	0.535	8.09
37)	T	Ethyl Acetate	0.735	0.678	0.724	0.720	0.681	0.681	0.703	3.69
38)	T	Carbon Tetrach...	0.565	0.504	0.548	0.499	0.570	0.509	0.532	6.04
39)	T	Methylcyclohexane	0.534	0.542	0.606	0.527	0.662	0.561	0.572	9.14
40)	TM	Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.86
41)	T	Methacrylonitrile	0.360	0.323	0.351	0.357	0.349	0.350	0.348	3.74
42)	TM	1,2-Dichloroet...	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.27
43)	T	Isopropyl Acetate	1.098	1.019	1.063	1.116	1.076	1.074	1.074	3.11
44)	TM	Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.13
45)	C	1,2-Dichloropr...	0.426	0.402	0.402	0.406	0.396	0.381	0.402	3.62#
46)	T	Dibromomethane	0.288	0.292	0.289	0.293	0.283	0.277	0.287	2.08
47)	T	Bromodichlorom...	0.602	0.586	0.586	0.589	0.583	0.566	0.586	1.96
48)	T	Methyl methacr...	0.480	0.433	0.491	0.513	0.511	0.513	0.490	6.35
49)	T	1,4-Dioxane	0.005	0.006	0.007	0.007	0.006	0.006	0.006	8.55
50)	S	Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	1.96
51)	T	4-Methyl-2-Pen...	0.540	0.616	0.661	0.673	0.658	0.651	0.633	7.79
52)	CM	Toluene	0.829	0.885	0.940	0.913	0.960	0.911	0.906	5.05#
53)	T	t-1,3-Dichloro...	0.567	0.553	0.598	0.631	0.631	0.625	0.601	5.72
54)	T	cis-1,3-Dichlo...	0.590	0.618	0.628	0.662	0.654	0.640	0.632	4.16
55)	T	1,1,2-Trichlor...	0.350	0.359	0.364	0.353	0.341	0.336	0.351	2.98
56)	T	Ethyl methacry...	0.417	0.482	0.558	0.616	0.624	0.626	0.554	15.71

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N112425W.M

57)	T	1,3-Dichloropr...	0.607	0.638	0.647	0.644	0.638	0.622	0.633	2.42
58)	T	2-Chloroethyl ...	0.258	0.323	0.333	0.364	0.337	0.301	0.319	11.41
59)	T	2-Hexanone	0.359	0.301	0.406	0.436	0.442	0.450	0.399	14.66
60)	T	Dibromochlorom...	0.384	0.386	0.406	0.409	0.410	0.404	0.400	2.87
61)	T	1,2-Dibromoethane	0.304	0.367	0.364	0.369	0.367	0.359	0.355	7.16
62)	S	4-Bromofluorob...		0.402	0.413	0.448	0.466	0.482	0.442	7.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.73
65)	PM	Chlorobenzene	1.114	1.142	1.161	1.106	1.145	1.070	1.123	2.96
66)	T	1,1,1,2-Tetrac...	0.378	0.372	0.394	0.383	0.386	0.361	0.379	3.04
67)	C	Ethyl Benzene	1.881	1.860	2.014	1.938	2.133	1.952	1.963	5.06#
68)	T	m/p-Xylenes	0.658	0.690	0.769	0.733	0.788	0.728	0.728	6.64
69)	T	o-Xylene	0.670	0.619	0.722	0.696	0.749	0.708	0.694	6.51
70)	T	Styrene	0.884	1.025	1.163	1.193	1.284	1.210	1.127	12.94
71)	P	Bromoform	0.224	0.273	0.285	0.285	0.302	0.295	0.277	10.12
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.339	3.528	3.944	3.624	4.040	3.706	3.697	7.07
74)	T	N-amyl acetate			1.173	1.045	1.338	1.480	1.259	15.09
75)	P	1,1,2,2-Tetrac...	1.377	1.218	1.231	1.127	1.135	1.082	1.195	8.87
76)	T	1,2,3-Trichlor...	1.036	1.199	1.268	1.202	1.177	1.145	1.171	6.63
77)	T	Bromobenzene	0.781	0.885	0.866	0.863	0.865	0.816	0.846	4.66
78)	T	n-propylbenzene	4.076	4.270	4.925	4.439	4.931	4.496	4.523	7.66
79)	T	2-Chlorotoluene	2.707	2.799	2.851	2.699	2.835	2.681	2.762	2.72
80)	T	1,3,5-Trimethy...	2.650	2.988	3.315	3.051	3.307	3.069	3.063	7.99
81)	T	trans-1,4-Dich...		0.355	0.364	0.430	0.452	0.462	0.413	12.09
82)	T	4-Chlorotoluene	2.093	2.830	2.935	2.854	2.944	2.803	2.743	11.80
83)	T	tert-Butylbenzene	2.509	2.468	2.773	2.509	2.816	2.549	2.604	5.78
84)	T	1,2,4-Trimethy...	2.572	2.827	3.310	3.112	3.344	3.105	3.045	9.74
85)	T	sec-Butylbenzene	3.457	3.614	3.971	3.609	4.122	3.674	3.741	6.73
86)	T	p-Isopropyltol...	2.714	2.808	3.330	3.047	3.435	3.073	3.068	9.18
87)	T	1,3-Dichlorobe...	1.730	1.573	1.720	1.606	1.676	1.574	1.647	4.34
88)	T	1,4-Dichlorobe...	1.747	1.825	1.786	1.681	1.702	1.608	1.725	4.52
89)	T	n-Butylbenzene	2.827	2.664	3.155	2.873	3.373	2.979	2.979	8.49
90)	T	Hexachloroethane	0.549	0.550	0.571	0.535	0.604	0.553	0.560	4.36
91)	T	1,2-Dichlorobe...	1.518	1.574	1.583	1.521	1.595	1.505	1.550	2.52
92)	T	1,2-Dibromo-3-...	0.284	0.284	0.284	0.288	0.300	0.300	0.290	2.80
93)	T	1,2,4-Trichlor...	0.998	0.864	0.901	0.889	0.955	0.917	0.921	5.26
94)	T	Hexachlorobuta...	0.362	0.316	0.349	0.297	0.354	0.307	0.331	8.32
95)	T	Naphthalene	2.946	2.864	3.163	3.292	3.483	3.395	3.190	7.74
96)	T	1,2,3-Trichlor...	0.942	0.850	0.888	0.875	0.930	0.891	0.896	3.83

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
11/25/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	286338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	203454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	4116	1.176	ug/l	88
3) Chloromethane	2.383	50	5215	1.282	ug/l	92
4) Vinyl Chloride	2.536	62	4602	1.055	ug/l	98
6) Chloroethane	3.148	64	3181	1.036	ug/l #	78
7) Trichlorofluoromethane	3.512	101	7064	1.049	ug/l #	82
8) Diethyl Ether	3.953	74	2832	1.101	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.359	101	3781	1.083	ug/l	91
12) 1,1-Dichloroethene	4.336	96	4136m	1.118	ug/l	
14) Allyl chloride	5.012	41	6342	0.957	ug/l	95
15) Acrylonitrile	5.712	53	12465	5.068	ug/l	98
16) Acetone	4.424	43	11802	4.716	ug/l	98
17) Carbon Disulfide	4.694	76	11805	1.034	ug/l #	85
18) Methyl Acetate	5.006	43	6138	1.129	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	12174	0.876	ug/l	96
20) Methylene Chloride	5.265	84	4566	1.042	ug/l #	70
21) trans-1,2-Dichloroethene	5.783	96	4308	1.053	ug/l #	94
22) Diisopropyl ether	6.665	45	12982m	0.932	ug/l	
23) Vinyl Acetate	6.594	43	48988	3.972	ug/l	96
24) 1,1-Dichloroethane	6.547	63	7954	1.029	ug/l #	95
25) 2-Butanone	7.471	43	14574	4.283	ug/l #	82
26) 2,2-Dichloropropane	7.465	77	7127	1.026	ug/l #	77
27) cis-1,2-Dichloroethene	7.465	96	4562m	0.962	ug/l	
28) Bromochloromethane	7.788	49	4148	1.149	ug/l #	92
29) Tetrahydrofuran	7.835	42	10143	4.482	ug/l	96
30) Chloroform	7.947	83	7885	1.027	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	7143	1.055	ug/l #	46
36) 1,1-Dichloropropene	8.341	75	6499	1.203	ug/l #	80
37) Ethyl Acetate	7.553	43	7870	1.095	ug/l #	94
38) Carbon Tetrachloride	8.347	117	6045	1.085	ug/l	84
39) Methylcyclohexane	9.582	83	5715	0.846	ug/l	87
40) Benzene	8.582	78	17750	1.069	ug/l #	88
41) Methacrylonitrile	7.759	41	3857	1.037	ug/l #	83
42) 1,2-Dichloroethane	8.659	62	6237	1.039	ug/l	99
43) Isopropyl Acetate	8.677	43	11759	1.073	ug/l #	94
44) Trichloroethene	9.335	130	4088	1.057	ug/l	73
45) 1,2-Dichloropropane	9.600	63	4559	1.082	ug/l #	78

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
11/25/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.694	93	3080	1.022	ug/l		88
47) Bromodichloromethane	9.865	83	6445	1.068	ug/l	#	89
48) Methyl methacrylate	9.665	41	5144	1.017	ug/l	#	86
49) 1,4-Dioxane	9.688	88	1133	17.773	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.429	43	28924	4.454	ug/l		97
52) Toluene	10.612	92	8872	0.875	ug/l		97
53) t-1,3-Dichloropropene	10.812	75	6068	0.947	ug/l		89
54) cis-1,3-Dichloropropene	10.294	75	6312	0.928	ug/l		94
55) 1,1,2-Trichloroethane	11.000	97	3748	0.969	ug/l	#	72
56) Ethyl methacrylate	10.859	69	4463	0.723	ug/l	#	72
57) 1,3-Dichloropropane	11.147	76	6496	0.952	ug/l		95
58) 2-Chloroethyl Vinyl ether	10.141	63	13790	4.190	ug/l		92
59) 2-Hexanone	11.188	43	19197m	4.495	ug/l		
60) Dibromochloromethane	11.335	129	4116	0.936	ug/l		98
61) 1,2-Dibromoethane	11.447	107	3251	0.814	ug/l		96
64) Tetrachloroethene	11.076	164	3914	1.220	ug/l	#	86
65) Chlorobenzene	11.871	112	10226	0.958	ug/l	#	84
66) 1,1,1,2-Tetrachloroethane	11.941	131	3473	0.985	ug/l	#	57
67) Ethyl Benzene	11.941	91	17267	0.922	ug/l		92
68) m/p-Xylenes	12.047	106	12077	1.724	ug/l		99
69) o-Xylene	12.382	106	6153	0.927	ug/l		91
70) Styrene	12.394	104	8118	0.747	ug/l		100
71) Bromoform	12.559	173	2054	0.782	ug/l	#	82
73) Isopropylbenzene	12.676	105	13585	0.849	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.918	83	5605	1.121	ug/l	#	83
76) 1,2,3-Trichloropropane	12.982	75	4214m	0.871	ug/l		
77) Bromobenzene	12.965	156	3176	0.907	ug/l		100
78) n-propylbenzene	13.017	91	16584	0.851	ug/l		98
79) 2-Chlorotoluene	13.106	91	11013	0.981	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	10783	0.811	ug/l		96
82) 4-Chlorotoluene	13.212	91	8516	0.700	ug/l		84
83) tert-Butylbenzene	13.417	119	10210	0.869	ug/l		95
84) 1,2,4-Trimethylbenzene	13.465	105	10464	0.786	ug/l		89
85) sec-Butylbenzene	13.594	105	14068	0.819	ug/l		99
86) p-Isopropyltoluene	13.706	119	11043	0.798	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	7040	1.019	ug/l		95
88) 1,4-Dichlorobenzene	13.782	146	7109m	0.955	ug/l		
89) n-Butylbenzene	14.035	91	11505	0.845	ug/l		93
90) Hexachloroethane	14.312	117	2233	0.841	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	6178	0.927	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	1155	0.973	ug/l		93
93) 1,2,4-Trichlorobenzene	15.376	180	4059	1.011	ug/l		91
94) Hexachlorobutadiene	15.476	225	1474	1.002	ug/l		93
95) Naphthalene	15.623	128	11988	0.863	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.823	180	3833	0.989	ug/l		100

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088344.D
Acq On : 24 Nov 2025 12:38
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 01:09:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

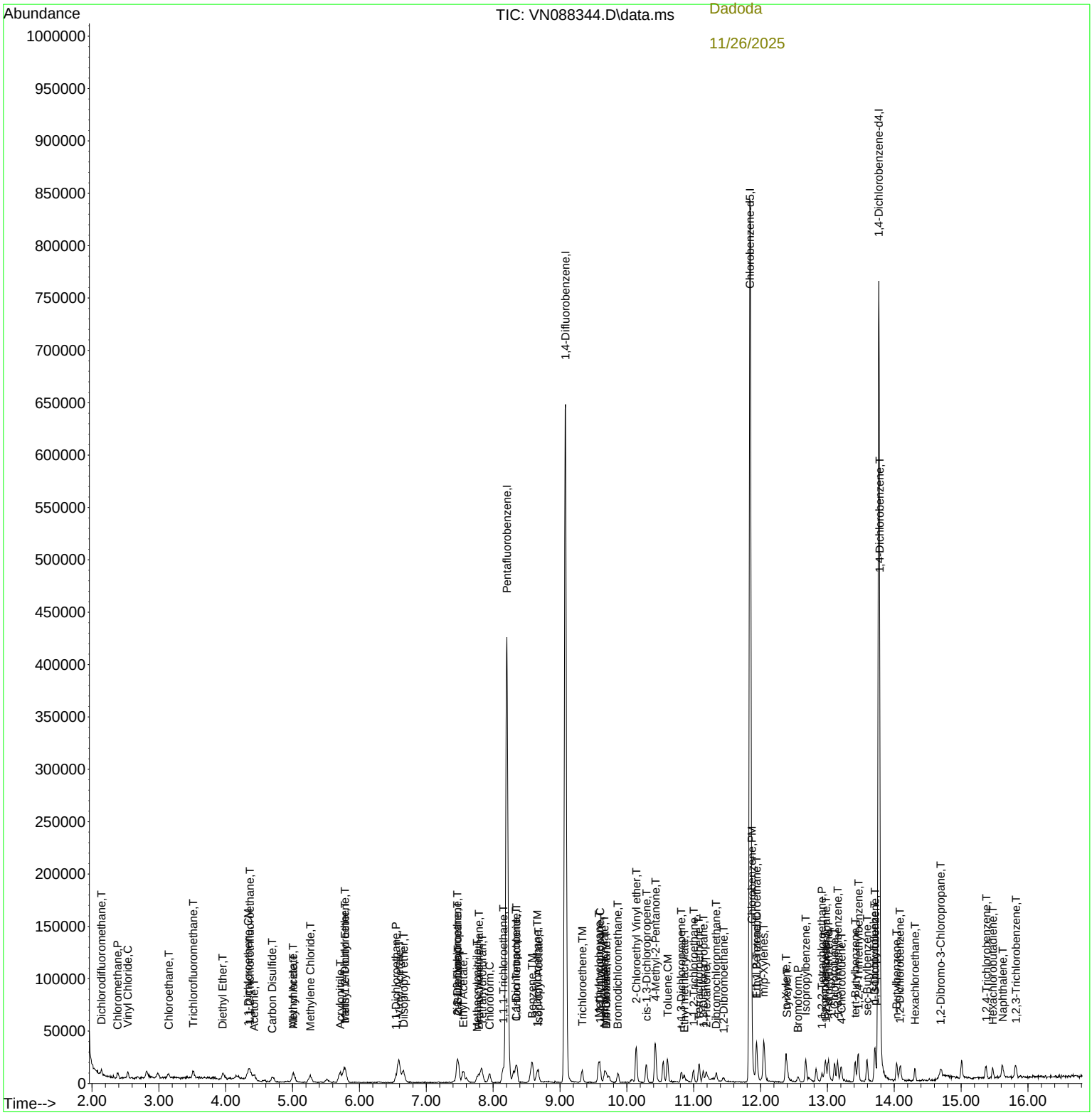
Manual Integrations APPROVED

Reviewed By :John Carlone

11/25/2025

Supervised By :Mahesh Dadoda

11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	277017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	520222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	454370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	210682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	26416	5.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.540%#			
35) Dibromofluoromethane	8.153	113	18802	5.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.540%#			
50) Toluene-d8	10.547	98	64962	4.778	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.560%#			
62) 4-Bromofluorobenzene	12.829	95	20929	4.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 8.760%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	18728	5.530	ug/l	78
3) Chloromethane	2.383	50	22161	5.630	ug/l	96
4) Vinyl Chloride	2.536	62	23377	5.542	ug/l	95
5) Bromomethane	2.971	94	11265	4.586	ug/l	89
6) Chloroethane	3.142	64	13946	4.694	ug/l	90
7) Trichlorofluoromethane	3.512	101	32404	4.974	ug/l	99
8) Diethyl Ether	3.959	74	12500	5.022	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	17577	5.203	ug/l	97
10) Methyl Iodide	4.577	142	13782	4.252	ug/l #	86
11) Tert butyl alcohol	5.524	59	20975	23.946	ug/l	98
12) 1,1-Dichloroethene	4.342	96	17186	4.802	ug/l #	75
13) Acrolein	4.171	56	20281	21.167	ug/l	95
14) Allyl chloride	5.006	41	31674	4.939	ug/l	98
15) Acrylonitrile	5.706	53	60208	25.303	ug/l	99
16) Acetone	4.424	43	49209	20.327	ug/l	97
17) Carbon Disulfide	4.695	76	56594	5.124	ug/l	98
18) Methyl Acetate	5.012	43	29034	5.519	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	62035	4.613	ug/l	96
20) Methylene Chloride	5.271	84	20834	4.915	ug/l #	80
21) trans-1,2-Dichloroethene	5.777	96	18495	4.671	ug/l	96
22) Diisopropyl ether	6.653	45	66886	4.963	ug/l	94
23) Vinyl Acetate	6.589	43	260201m	21.808	ug/l	
24) 1,1-Dichloroethane	6.547	63	39629	5.298	ug/l	98
25) 2-Butanone	7.465	43	74555	22.648	ug/l	97
26) 2,2-Dichloropropane	7.465	77	31387	4.669	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	22190	4.838	ug/l	96
28) Bromochloromethane	7.794	49	19995	5.723	ug/l	99
29) Tetrahydrofuran	7.824	42	54983	25.113	ug/l	100
30) Chloroform	7.953	83	37740	5.081	ug/l	99
31) Cyclohexane	8.241	56	40171	5.829	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	33772	5.154	ug/l #	85
36) 1,1-Dichloropropene	8.347	75	28193	5.368	ug/l	96
37) Ethyl Acetate	7.547	43	35286	5.054	ug/l	98
38) Carbon Tetrachloride	8.341	117	26194	4.839	ug/l	89
39) Methylcyclohexane	9.583	83	28179	4.292	ug/l	95
40) Benzene	8.588	78	80904	5.014	ug/l	91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	16819	4.652	ug/l		95
42) 1,2-Dichloroethane	8.653	62	31962	5.480	ug/l		98
43) Isopropyl Acetate	8.677	43	52990	4.976	ug/l		99
44) Trichloroethene	9.335	130	20005	5.321	ug/l		89
45) 1,2-Dichloropropane	9.600	63	20897	5.101	ug/l		96
46) Dibromomethane	9.688	93	15209	5.195	ug/l		98
47) Bromodichloromethane	9.865	83	30479	5.198	ug/l	#	91
48) Methyl methacrylate	9.665	41	22513	4.579	ug/l		95
49) 1,4-Dioxane	9.688	88	6435	103.870	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.424	43	160328	25.401	ug/l		100
52) Toluene	10.606	92	46057	4.673	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	28774	4.621	ug/l		98
54) cis-1,3-Dichloropropene	10.288	75	32170	4.869	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	18669	4.965	ug/l		96
56) Ethyl methacrylate	10.859	69	25089	4.184	ug/l		98
57) 1,3-Dichloropropane	11.141	76	33183	5.006	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.141	63	83959	26.251	ug/l		98
59) 2-Hexanone	11.182	43	78248	18.852	ug/l		96
60) Dibromochloromethane	11.335	129	20078	4.697	ug/l		96
61) 1,2-Dibromoethane	11.447	107	19090	4.919	ug/l		95
64) Tetrachloroethene	11.077	164	17642	5.552	ug/l		92
65) Chlorobenzene	11.871	112	51903	4.912	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	16899	4.842	ug/l		95
67) Ethyl Benzene	11.941	91	84509	4.556	ug/l		97
68) m/p-Xylenes	12.047	106	62717	9.044	ug/l		96
69) o-Xylene	12.382	106	28111	4.278	ug/l		94
70) Styrene	12.394	104	46583	4.327	ug/l		99
71) Bromoform	12.565	173	12418	4.774	ug/l	#	98
73) Isopropylbenzene	12.676	105	74324	4.486	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.918	83	25666	4.956	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	25268m	5.045	ug/l		
77) Bromobenzene	12.959	156	18654	5.143	ug/l		93
78) n-propylbenzene	13.018	91	89952	4.455	ug/l		97
79) 2-Chlorotoluene	13.106	91	58975	5.072	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	62949	4.574	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	7483	4.106	ug/l	#	78
82) 4-Chlorotoluene	13.200	91	59617	4.734	ug/l		97
83) tert-Butylbenzene	13.418	119	51988	4.275	ug/l		99
84) 1,2,4-Trimethylbenzene	13.465	105	59560	4.319	ug/l		99
85) sec-Butylbenzene	13.594	105	76137	4.278	ug/l		99
86) p-Isopropyltoluene	13.706	119	59155	4.127	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	33144	4.633	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	38453	4.987	ug/l		93
89) n-Butylbenzene	14.035	91	56132	3.979	ug/l		99
90) Hexachloroethane	14.312	117	11594	4.214	ug/l		98
91) 1,2-Dichlorobenzene	14.088	146	33169	4.804	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	5979	4.862	ug/l		93
93) 1,2,4-Trichlorobenzene	15.370	180	18203	4.379	ug/l		99
94) Hexachlorobutadiene	15.476	225	6667	4.376	ug/l		95
95) Naphthalene	15.617	128	60329	4.195	ug/l		98
96) 1,2,3-Trichlorobenzene	15.817	180	17918	4.465	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

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

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

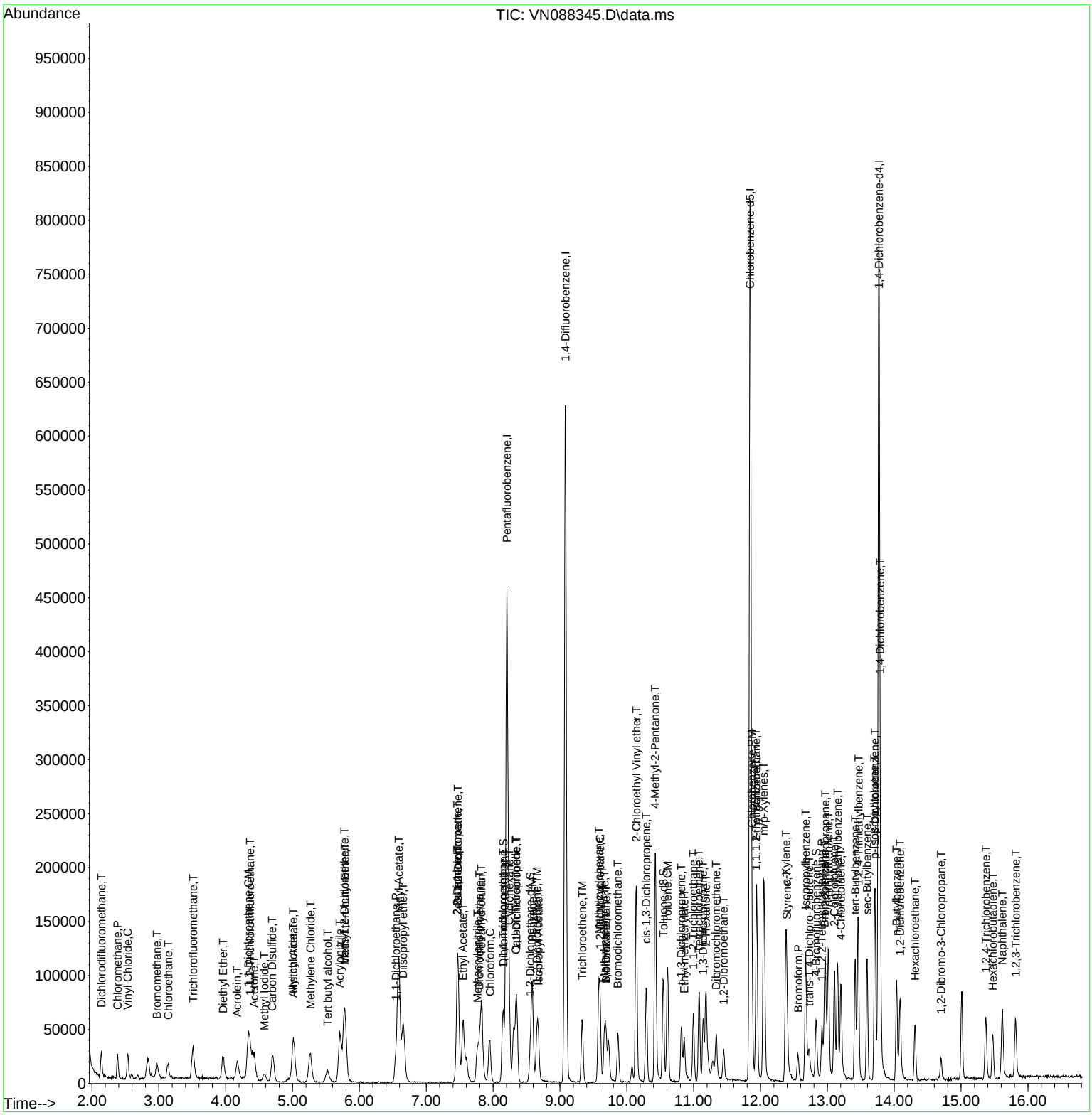
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088345.D
Acq On : 24 Nov 2025 13:11
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 01:10:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	289343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	106028	20.258	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 40.520%#			
35) Dibromofluoromethane	8.147	113	73055	20.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.820%#			
50) Toluene-d8	10.547	98	269703	19.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 39.540%#			
62) 4-Bromofluorobenzene	12.823	95	86319	18.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 36.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	92076	26.032	ug/l	100
3) Chloromethane	2.383	50	93182	22.664	ug/l	98
4) Vinyl Chloride	2.542	62	99078	22.487	ug/l	96
5) Bromomethane	2.983	94	45414	17.699	ug/l	100
6) Chloroethane	3.142	64	57451	18.515	ug/l	96
7) Trichlorofluoromethane	3.518	101	135233	19.875	ug/l	92
8) Diethyl Ether	3.965	74	45755	17.600	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	73956	20.959	ug/l	98
10) Methyl Iodide	4.583	142	67559	19.958	ug/l	92
11) Tert butyl alcohol	5.518	59	86464	94.506	ug/l	98
12) 1,1-Dichloroethene	4.341	96	69587	18.614	ug/l	85
13) Acrolein	4.177	56	76430	76.371	ug/l	97
14) Allyl chloride	5.012	41	129326	19.307	ug/l	97
15) Acrylonitrile	5.712	53	250269	100.698	ug/l	99
16) Acetone	4.424	43	186448	73.735	ug/l	96
17) Carbon Disulfide	4.706	76	236468	20.496	ug/l	96
18) Methyl Acetate	5.018	43	110778	20.161	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	259864	18.502	ug/l	94
20) Methylene Chloride	5.265	84	81446	18.395	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	78223	18.913	ug/l	98
22) Diisopropyl ether	6.659	45	282262	20.050	ug/l	96
23) Vinyl Acetate	6.588	43	1155611m	92.730	ug/l	
24) 1,1-Dichloroethane	6.553	63	156012	19.969	ug/l	100
25) 2-Butanone	7.471	43	316859	92.154	ug/l	99
26) 2,2-Dichloropropane	7.471	77	137140	19.531	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	91877	19.178	ug/l	97
28) Bromochloromethane	7.794	49	79117	21.681	ug/l	100
29) Tetrahydrofuran	7.829	42	228189	99.785	ug/l	99
30) Chloroform	7.953	83	156345	20.153	ug/l	99
31) Cyclohexane	8.235	56	146307	20.327	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	137952	20.154	ug/l	98
36) 1,1-Dichloropropene	8.353	75	110824	21.032	ug/l	98
37) Ethyl Acetate	7.547	43	151153	21.576	ug/l	99
38) Carbon Tetrachloride	8.347	117	114374	21.060	ug/l	95
39) Methylcyclohexane	9.582	83	126502	19.203	ug/l	96
40) Benzene	8.588	78	335961	20.753	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	73287	20.203	ug/l		96
42) 1,2-Dichloroethane	8.653	62	124453	21.266	ug/l		98
43) Isopropyl Acetate	8.671	43	221861	20.765	ug/l		98
44) Trichloroethene	9.329	130	79876	21.175	ug/l		91
45) 1,2-Dichloropropane	9.600	63	83979	20.433	ug/l	#	87
46) Dibromomethane	9.688	93	60253	20.513	ug/l		98
47) Bromodichloromethane	9.865	83	122415	20.808	ug/l		93
48) Methyl methacrylate	9.659	41	102560	20.792	ug/l		97
49) 1,4-Dioxane	9.676	88	28593	459.989	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.423	43	689576	108.887	ug/l		99
52) Toluene	10.612	92	196223	19.843	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	124926	19.996	ug/l		99
54) cis-1,3-Dichloropropene	10.288	75	131162	19.787	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	75992	20.142	ug/l		96
56) Ethyl methacrylate	10.853	69	116597	19.380	ug/l		97
57) 1,3-Dichloropropane	11.141	76	135028	20.301	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	347449	108.270	ug/l		98
59) 2-Hexanone	11.176	43	424244	101.867	ug/l		98
60) Dibromochloromethane	11.335	129	84716	19.753	ug/l		99
61) 1,2-Dibromoethane	11.447	107	76002	19.518	ug/l		99
64) Tetrachloroethene	11.076	164	73746	23.611	ug/l		96
65) Chlorobenzene	11.870	112	207406	19.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.935	131	70330	20.500	ug/l		98
67) Ethyl Benzene	11.941	91	359781	19.735	ug/l		96
68) m/p-Xylenes	12.047	106	274942	40.335	ug/l		99
69) o-Xylene	12.376	106	128919	19.957	ug/l		96
70) Styrene	12.388	104	207850	19.642	ug/l		99
71) Bromoform	12.559	173	50951	19.929	ug/l	#	98
73) Isopropylbenzene	12.670	105	332053	20.064	ug/l		100
74) N-amyl acetate	12.682	43	98732m	20.946	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	103664	20.037	ug/l		97
76) 1,2,3-Trichloropropane	12.970	75	106718m	21.331	ug/l		
77) Bromobenzene	12.959	156	72921	20.125	ug/l		98
78) n-propylbenzene	13.011	91	414648	20.557	ug/l		99
79) 2-Chlorotoluene	13.100	91	240017	20.663	ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	279116	20.300	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	30676	16.850	ug/l	#	72
82) 4-Chlorotoluene	13.200	91	247131	19.645	ug/l		97
83) tert-Butylbenzene	13.417	119	233493	19.219	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	278702	20.229	ug/l		98
85) sec-Butylbenzene	13.594	105	334307	18.805	ug/l		99
86) p-Isopropyltoluene	13.706	119	280364	19.577	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	144838	20.267	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	150329	19.514	ug/l		99
89) n-Butylbenzene	14.035	91	265582	18.845	ug/l		99
90) Hexachloroethane	14.311	117	48067	17.489	ug/l		97
91) 1,2-Dichlorobenzene	14.088	146	133291	19.325	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23868	19.429	ug/l		99
93) 1,2,4-Trichlorobenzene	15.370	180	75854	18.265	ug/l		95
94) Hexachlorobutadiene	15.470	225	29359	19.288	ug/l		98
95) Naphthalene	15.611	128	266281	18.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	74795	18.658	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

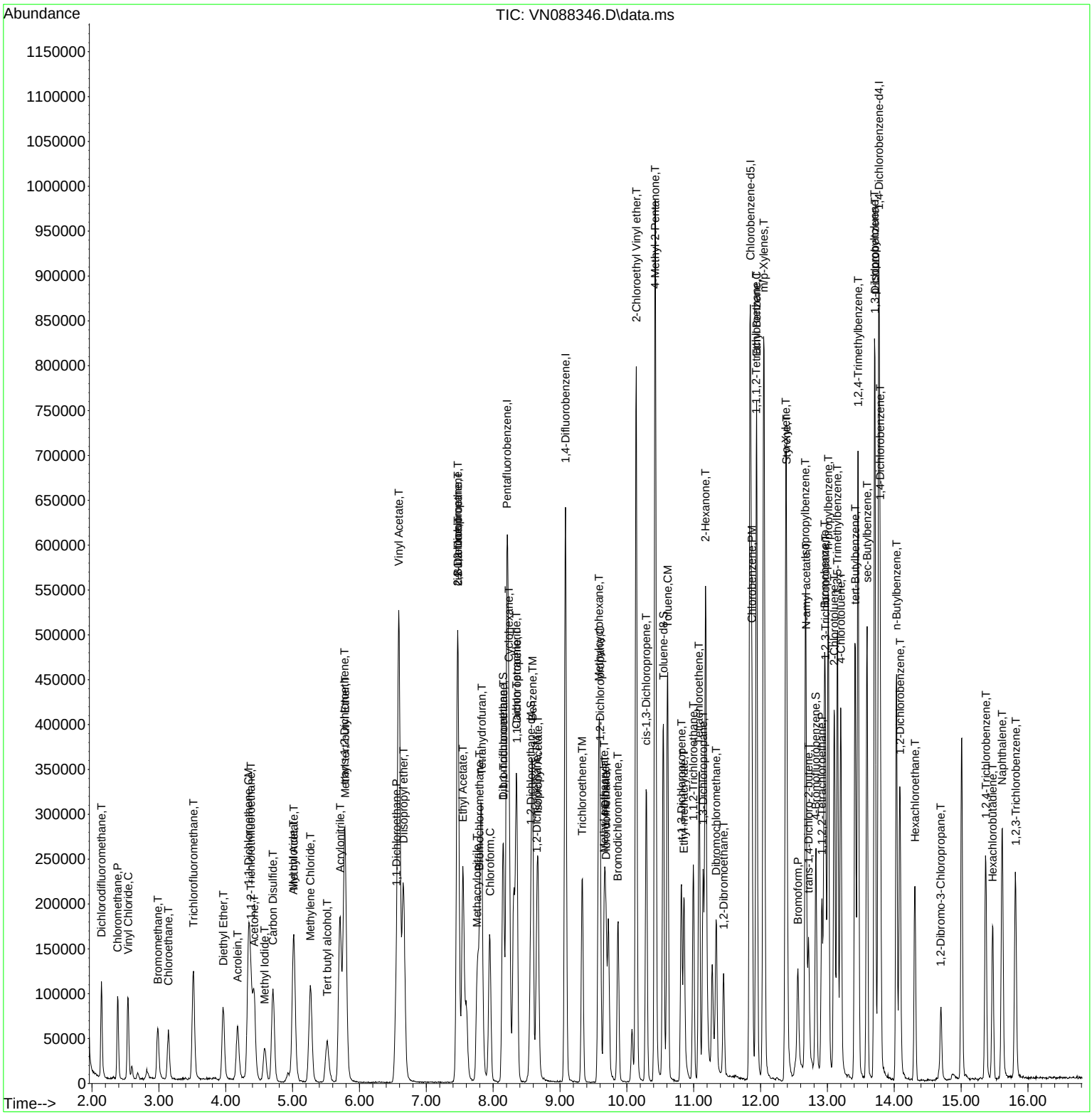
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088346.D
Acq On : 24 Nov 2025 13:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 25 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	254412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	425874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	208615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	254050	55.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.400%			
35) Dibromofluoromethane	8.153	113	168216	51.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.547	98	618062	49.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.823	95	215443	48.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	188518	60.616	ug/l	100
3) Chloromethane	2.383	50	203776	56.367	ug/l	100
4) Vinyl Chloride	2.536	62	206493	53.300	ug/l	100
5) Bromomethane	2.977	94	100800	44.679	ug/l	100
6) Chloroethane	3.142	64	128383	47.055	ug/l	100
7) Trichlorofluoromethane	3.512	101	277710	46.418	ug/l	100
8) Diethyl Ether	3.959	74	112943	49.408	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	143560	46.270	ug/l	100
10) Methyl Iodide	4.589	142	168409	56.580	ug/l	100
11) Tert butyl alcohol	5.512	59	205132	254.997	ug/l	100
12) 1,1-Dichloroethene	4.336	96	144499	43.959	ug/l	100
13) Acrolein	4.177	56	191880	218.057	ug/l	100
14) Allyl chloride	5.012	41	292223	49.615	ug/l	100
15) Acrylonitrile	5.706	53	593191	271.445	ug/l	100
16) Acetone	4.418	43	425884	191.549	ug/l	100
17) Carbon Disulfide	4.706	76	504570	49.738	ug/l	100
18) Methyl Acetate	5.018	43	266978	55.261	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	637167	51.594	ug/l	100
20) Methylene Chloride	5.265	84	192304	49.396	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	174454	47.971	ug/l	100
22) Diisopropyl ether	6.659	45	656293	53.019	ug/l	100
23) Vinyl Acetate	6.588	43	2718764m	248.116	ug/l	
24) 1,1-Dichloroethane	6.559	63	362987	52.841	ug/l	100
25) 2-Butanone	7.465	43	757688	250.619	ug/l	100
26) 2,2-Dichloropropane	7.471	77	306308	49.612	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	210902	50.066	ug/l	100
28) Bromochloromethane	7.794	49	186871	58.241	ug/l	100
29) Tetrahydrofuran	7.824	42	545947	271.517	ug/l	100
30) Chloroform	7.947	83	354218	51.927	ug/l	100
31) Cyclohexane	8.235	56	288267	45.549	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	294555	48.942	ug/l	100
36) 1,1-Dichloropropene	8.353	75	236320	48.678	ug/l	100
37) Ethyl Acetate	7.547	43	346328	53.657	ug/l	100
38) Carbon Tetrachloride	8.347	117	240067	47.979	ug/l	100
39) Methylcyclohexane	9.582	83	253638	41.789	ug/l	100
40) Benzene	8.588	78	749637	50.260	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.759	41	171571	51.334 ug/l	100
42) 1,2-Dichloroethane	8.653	62	295993	54.896 ug/l	100
43) Isopropyl Acetate	8.671	43	536716	54.522 ug/l	100
44) Trichloroethene	9.329	130	171828	49.440 ug/l	100
45) 1,2-Dichloropropane	9.600	63	195340	51.585 ug/l	100
46) Dibromomethane	9.688	93	140875	52.056 ug/l	100
47) Bromodichloromethane	9.871	83	283447	52.293 ug/l	100
48) Methyl methacrylate	9.659	41	246767	54.300 ug/l	100
49) 1,4-Dioxane	9.676	88	63666	1111.677 ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	1618000	277.304 ug/l	100
52) Toluene	10.606	92	439167	48.202 ug/l	100
53) t-1,3-Dichloropropene	10.812	75	303537	52.732 ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	318360	52.127 ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	169966	48.898 ug/l	100
56) Ethyl methacrylate	10.853	69	296224	53.440 ug/l	100
57) 1,3-Dichloropropane	11.141	76	309692	50.536 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	875006	295.946 ug/l	100
59) 2-Hexanone	11.176	43	1048582	273.278 ug/l	100
60) Dibromochloromethane	11.335	129	196756	49.794 ug/l	100
61) 1,2-Dibromoethane	11.447	107	177630	49.512 ug/l	100
64) Tetrachloroethene	11.082	164	160566	53.914 ug/l	100
65) Chlorobenzene	11.870	112	471088	47.564 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	162993	49.826 ug/l	100
67) Ethyl Benzene	11.941	91	825262	47.473 ug/l	100
68) m/p-Xylenes	12.047	106	624414	96.067 ug/l	100
69) o-Xylene	12.376	106	296307	48.105 ug/l	100
70) Styrene	12.388	104	508032	50.349 ug/l	100
71) Bromoform	12.559	173	121394	49.795 ug/l #	100
73) Isopropylbenzene	12.670	105	756073	46.091 ug/l	100
74) N-amyl acetate	12.500	43	218031	46.667 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.917	83	235147	45.856 ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	250728m	50.561 ug/l	
77) Bromobenzene	12.959	156	179949	50.105 ug/l	100
78) n-propylbenzene	13.012	91	926041	46.319 ug/l	100
79) 2-Chlorotoluene	13.100	91	563004	48.901 ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	636506	46.704 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	89717	49.717 ug/l #	100
82) 4-Chlorotoluene	13.200	91	595484	47.756 ug/l	100
83) tert-Butylbenzene	13.412	119	523419	43.467 ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	649135	47.534 ug/l	100
85) sec-Butylbenzene	13.594	105	752927	42.729 ug/l	100
86) p-Isopropyltoluene	13.706	119	635661	44.782 ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	334974	47.290 ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	350784	45.940 ug/l	100
89) n-Butylbenzene	14.035	91	599399	42.911 ug/l	100
90) Hexachloroethane	14.306	117	111560	40.952 ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	317314	46.414 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	60137	49.387 ug/l	100
93) 1,2,4-Trichlorobenzene	15.364	180	185506	45.066 ug/l	100
94) Hexachlorobutadiene	15.470	225	61955	41.064 ug/l	100
95) Naphthalene	15.611	128	686671	48.217 ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	182475	45.925 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

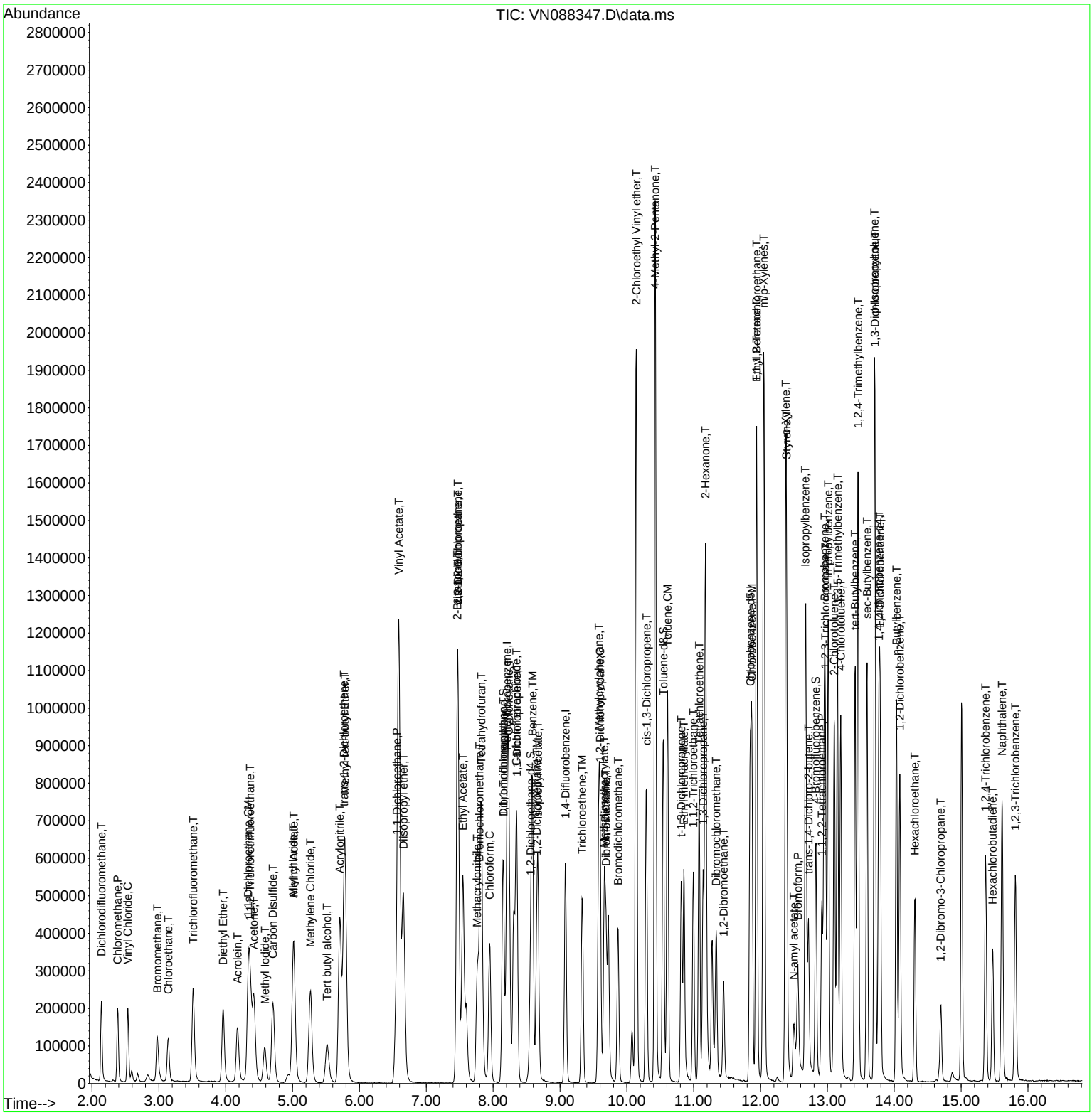
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088347.D
Acq On : 24 Nov 2025 13:53
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 25 01:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	285895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	501695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	439316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	504045	97.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.940%#			
35) Dibromofluoromethane	8.147	113	335348	97.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.960%#			
50) Toluene-d8	10.547	98	1312124	100.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.160%#			
62) 4-Bromofluorobenzene	12.829	95	467895	101.595	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 203.200%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	479358	137.160	ug/l	100
3) Chloromethane	2.383	50	434116	106.858	ug/l	98
4) Vinyl Chloride	2.536	62	478320	109.869	ug/l	98
5) Bromomethane	2.965	94	221311	87.292	ug/l	99
6) Chloroethane	3.130	64	287091	93.637	ug/l	96
7) Trichlorofluoromethane	3.506	101	686944	102.176	ug/l	99
8) Diethyl Ether	3.959	74	229525	89.352	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	361718	103.745	ug/l	100
10) Methyl Iodide	4.577	142	377533	112.872	ug/l	97
11) Tert butyl alcohol	5.524	59	406566	449.741	ug/l	100
12) 1,1-Dichloroethene	4.336	96	340010	92.046	ug/l	96
13) Acrolein	4.177	56	409205	413.820	ug/l	99
14) Allyl chloride	5.012	41	647046m	97.762	ug/l	
15) Acrylonitrile	5.706	53	1189524	484.386	ug/l	99
16) Acetone	4.418	43	872591	349.245	ug/l	98
17) Carbon Disulfide	4.706	76	1141513	100.133	ug/l	99
18) Methyl Acetate	5.018	43	555796	102.374	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1295144	93.325	ug/l	100
20) Methylene Chloride	5.265	84	392179	89.644	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	369984	90.533	ug/l	98
22) Diisopropyl ether	6.659	45	1349029	96.981	ug/l	97
23) Vinyl Acetate	6.589	43	5554188m	451.061	ug/l	
24) 1,1-Dichloroethane	6.553	63	755476	97.866	ug/l	98
25) 2-Butanone	7.471	43	1542855	454.129	ug/l	97
26) 2,2-Dichloropropane	7.477	77	672523	96.933	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	427126	90.230	ug/l	98
28) Bromochloromethane	7.800	49	356867	98.975	ug/l	99
29) Tetrahydrofuran	7.824	42	1096740	485.379	ug/l	99
30) Chloroform	7.947	83	738399	96.326	ug/l	100
31) Cyclohexane	8.241	56	707339	99.459	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	666887	98.605	ug/l	98
36) 1,1-Dichloropropene	8.353	75	549319	108.461	ug/l	99
37) Ethyl Acetate	7.547	43	682857	101.412	ug/l	99
38) Carbon Tetrachloride	8.341	117	571861	109.553	ug/l	97
39) Methylcyclohexane	9.577	83	663987	104.863	ug/l	96
40) Benzene	8.588	78	1564367	100.538	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	349832	100.333	ug/l		98
42) 1,2-Dichloroethane	8.653	62	599011	106.490	ug/l		100
43) Isopropyl Acetate	8.671	43	1079559	105.122	ug/l		99
44) Trichloroethene	9.335	130	372568	102.756	ug/l		98
45) 1,2-Dichloropropane	9.600	63	396928	100.477	ug/l		96
46) Dibromomethane	9.688	93	284059	100.615	ug/l		99
47) Bromodichloromethane	9.871	83	585372	103.520	ug/l		100
48) Methyl methacrylate	9.659	41	512503	108.100	ug/l		99
49) 1,4-Dioxane	9.682	88	124110	2077.291	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.424	43	3302590	542.564	ug/l		100
52) Toluene	10.606	92	962754	101.291	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	633621	105.515	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	656506	103.040	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	342175	94.361	ug/l		97
56) Ethyl methacrylate	10.853	69	625749	108.210	ug/l		99
57) 1,3-Dichloropropane	11.141	76	640348	100.162	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	1692209	548.624	ug/l		100
59) 2-Hexanone	11.177	43	2217550	553.982	ug/l		99
60) Dibromochloromethane	11.335	129	410889	99.677	ug/l		98
61) 1,2-Dibromoethane	11.447	107	368152	98.366	ug/l		100
64) Tetrachloroethene	11.082	164	357404	116.335	ug/l		95
65) Chlorobenzene	11.871	112	1006420	98.505	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	338748	100.385	ug/l		99
67) Ethyl Benzene	11.941	91	1873691	104.486	ug/l		99
68) m/p-Xylenes	12.047	106	1384206	206.446	ug/l		97
69) o-Xylene	12.376	106	657970	103.552	ug/l		99
70) Styrene	12.388	104	1127962	108.366	ug/l		99
71) Bromoform	12.559	173	265738	105.669	ug/l	#	98
73) Isopropylbenzene	12.671	105	1773457	102.764	ug/l		100
74) N-amyl acetate	12.488	43	587472	119.520	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.918	83	498007	92.311	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	516579m	99.018	ug/l		
77) Bromobenzene	12.959	156	379553	100.455	ug/l		99
78) n-propylbenzene	13.012	91	2164268	102.898	ug/l		99
79) 2-Chlorotoluene	13.106	91	1244218	102.723	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	1451677	101.248	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	198381	104.496	ug/l	#	88
82) 4-Chlorotoluene	13.200	91	1292288	98.511	ug/l		100
83) tert-Butylbenzene	13.418	119	1236180	97.579	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	1467849	102.168	ug/l		98
85) sec-Butylbenzene	13.594	105	1809286	97.599	ug/l		100
86) p-Isopropyltoluene	13.706	119	1507703	100.961	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	735647	98.718	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	746880	92.975	ug/l		99
89) n-Butylbenzene	14.035	91	1480732	100.761	ug/l		99
90) Hexachloroethane	14.312	117	265251	92.554	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	700211	97.354	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	131734	102.833	ug/l		99
93) 1,2,4-Trichlorobenzene	15.364	180	419347	96.834	ug/l		97
94) Hexachlorobutadiene	15.476	225	155408	97.909	ug/l		97
95) Naphthalene	15.612	128	1528952	102.050	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	408194	97.651	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 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

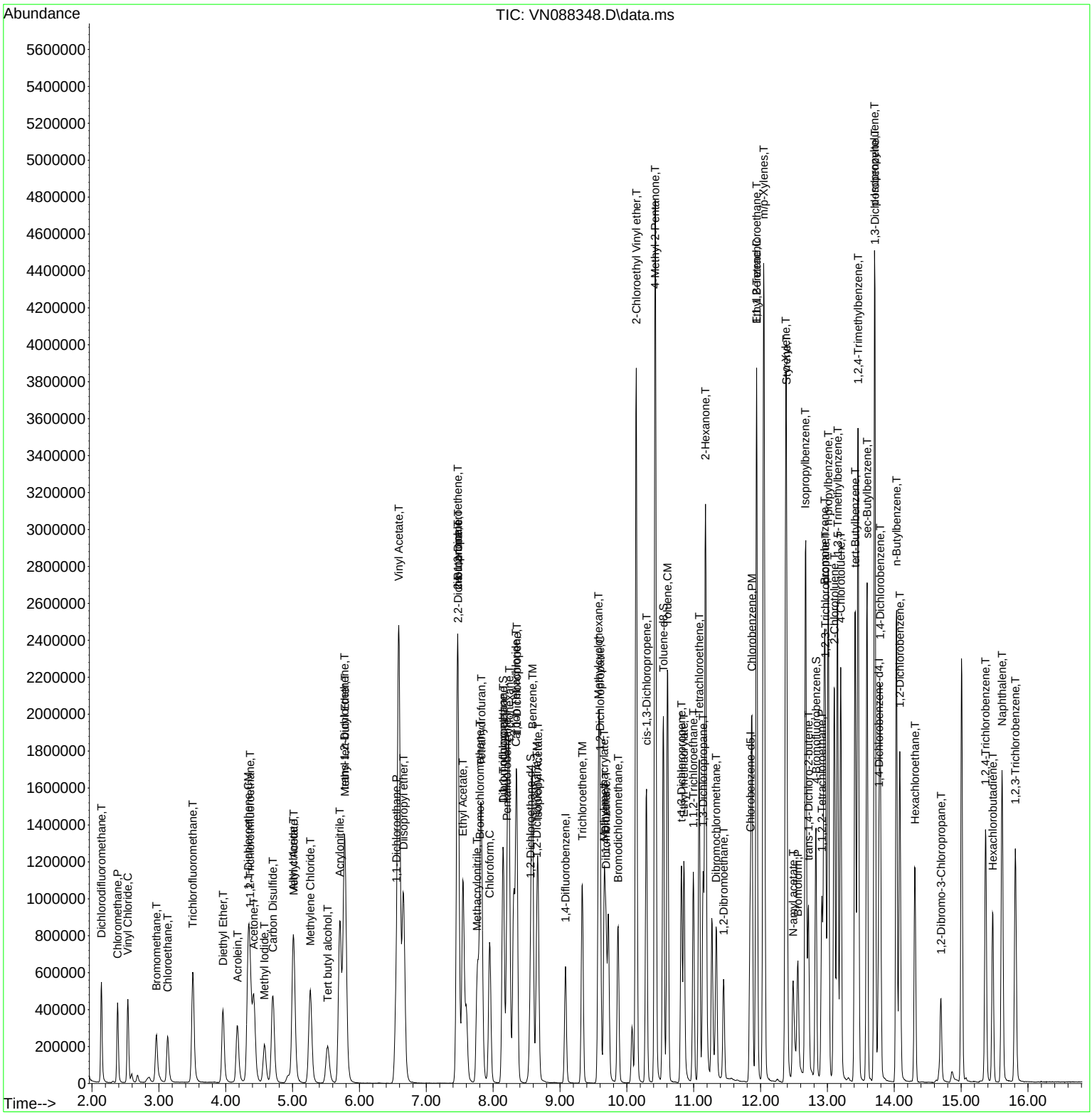
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088348.D
Acq On : 24 Nov 2025 14:14
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 01:12:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	278091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	457447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	800654	159.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.340%#			
35) Dibromofluoromethane	8.147	113	514160	147.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 295.020%#			
50) Toluene-d8	10.547	98	2002008	150.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.420%#			
62) 4-Bromofluorobenzene	12.829	95	734676	157.441	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 314.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	614298	180.703	ug/l	97
3) Chloromethane	2.383	50	637070	161.216	ug/l	98
4) Vinyl Chloride	2.536	62	643786	152.025	ug/l	99
5) Bromomethane	2.948	94	327351	132.741	ug/l	99
6) Chloroethane	3.124	64	404469	135.623	ug/l	99
7) Trichlorofluoromethane	3.506	101	880178	134.591	ug/l	97
8) Diethyl Ether	3.959	74	342692	137.150	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	461517	136.083	ug/l	99
10) Methyl Iodide	4.583	142	530186	162.959	ug/l	96
11) Tert butyl alcohol	5.524	59	615624	700.111	ug/l	99
12) 1,1-Dichloroethene	4.336	96	461833	128.534	ug/l	95
13) Acrolein	4.177	56	614784	639.165	ug/l	98
14) Allyl chloride	5.012	41	947252m	147.136	ug/l	
15) Acrylonitrile	5.706	53	1745154	730.587	ug/l	100
16) Acetone	4.418	43	1310595	539.272	ug/l	100
17) Carbon Disulfide	4.700	76	1529256	137.911	ug/l	99
18) Methyl Acetate	5.018	43	822075	155.669	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1946194	144.173	ug/l	97
20) Methylene Chloride	5.259	84	565609	132.915	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	522186	131.362	ug/l	100
22) Diisopropyl ether	6.659	45	2022262	149.459	ug/l	98
23) Vinyl Acetate	6.589	43	8352858m	697.381	ug/l	
24) 1,1-Dichloroethane	6.553	63	1073175	142.923	ug/l	98
25) 2-Butanone	7.471	43	2317712	701.347	ug/l	96
26) 2,2-Dichloropropane	7.477	77	948461	140.541	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	621100	134.889	ug/l	99
28) Bromochloromethane	7.794	49	498418	142.113	ug/l	100
29) Tetrahydrofuran	7.824	42	1661991	756.181	ug/l	99
30) Chloroform	7.947	83	1072381	143.821	ug/l	95
31) Cyclohexane	8.236	56	925517	133.789	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	920717	139.956	ug/l	96
36) 1,1-Dichloropropene	8.353	75	747080	145.584	ug/l	100
37) Ethyl Acetate	7.547	43	1038194	152.172	ug/l	100
38) Carbon Tetrachloride	8.341	117	776182	146.756	ug/l	96
39) Methylcyclohexane	9.583	83	856176	133.452	ug/l	96
40) Benzene	8.588	78	2252306	142.862	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.759	41	533051	150.887 ug/l		98
42) 1,2-Dichloroethane	8.653	62	895667	157.152 ug/l		99
43) Isopropyl Acetate	8.671	43	1638317	157.450 ug/l		99
44) Trichloroethene	9.335	130	529981	144.265 ug/l		98
45) 1,2-Dichloropropane	9.600	63	581336	145.238 ug/l		95
46) Dibromomethane	9.688	93	422737	147.782 ug/l		100
47) Bromodichloromethane	9.871	83	863631	150.736 ug/l		100
48) Methyl methacrylate	9.665	41	781838	162.758 ug/l		99
49) 1,4-Dioxane	9.683	88	191377	3161.388 ug/l	#	97
51) 4-Methyl-2-Pentanone	10.424	43	4963362	804.767 ug/l		99
52) Toluene	10.612	92	1389323	144.264 ug/l		99
53) t-1,3-Dichloropropene	10.818	75	953623	156.732 ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	975877	151.168 ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	513073	139.644 ug/l		99
56) Ethyl methacrylate	10.853	69	954630	162.929 ug/l		99
57) 1,3-Dichloropropane	11.141	76	948252	146.389 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	2298552	735.483 ug/l		100
59) 2-Hexanone	11.177	43	3427514	845.082 ug/l		99
60) Dibromochloromethane	11.335	129	615359	147.332 ug/l		98
61) 1,2-Dibromoethane	11.447	107	548222	144.568 ug/l		99
64) Tetrachloroethene	11.082	164	503663	157.444 ug/l		98
65) Chlorobenzene	11.871	112	1467895	137.978 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	494738	140.800 ug/l		98
67) Ethyl Benzene	11.941	91	2679329	143.490 ug/l		99
68) m/p-Xylenes	12.047	106	1999338	286.370 ug/l		98
69) o-Xylene	12.376	106	971419	146.823 ug/l		99
70) Styrene	12.388	104	1660474	153.203 ug/l		99
71) Bromoform	12.559	173	404703	154.550 ug/l	#	99
73) Isopropylbenzene	12.671	105	2520465	141.411 ug/l		99
74) N-amyl acetate	12.482	43	1006304	198.228 ug/l	#	95
75) 1,1,2,2-Tetrachloroethane	12.918	83	735899	132.074 ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	778772m	144.533 ug/l		
77) Bromobenzene	12.959	156	554789	142.170 ug/l		97
78) n-propylbenzene	13.012	91	3057578	140.752 ug/l		100
79) 2-Chlorotoluene	13.100	91	1823307	145.751 ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	2086957	140.933 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	314465	160.381 ug/l	#	91
82) 4-Chlorotoluene	13.200	91	1905793	140.664 ug/l		99
83) tert-Butylbenzene	13.418	119	1733611	132.498 ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	2111285	142.286 ug/l		99
85) sec-Butylbenzene	13.594	105	2498053	130.473 ug/l		100
86) p-Isopropyltoluene	13.706	119	2089505	135.476 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	1070574	139.099 ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	1093471	131.796 ug/l		99
89) n-Butylbenzene	14.035	91	2025634	133.462 ug/l		99
90) Hexachloroethane	14.306	117	376335	127.143 ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	1023417	137.771 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	204222	154.355 ug/l		100
93) 1,2,4-Trichlorobenzene	15.365	180	623560	139.416 ug/l		99
94) Hexachlorobutadiene	15.470	225	208495	127.182 ug/l		97
95) Naphthalene	15.612	128	2308447	149.183 ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	605584	140.271 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

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

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

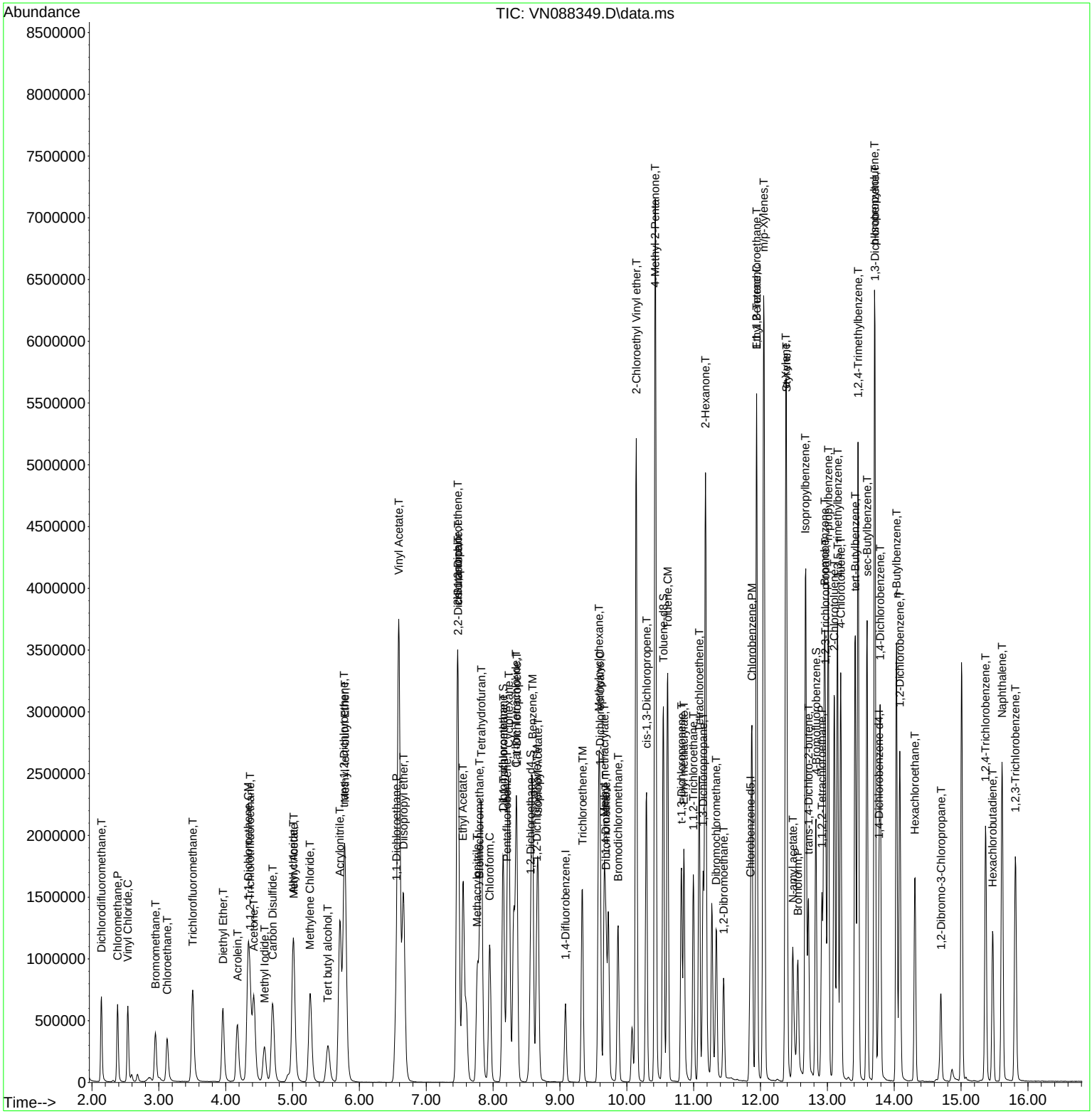
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088349.D
Acq On : 24 Nov 2025 14:35
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 01:13:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:08:44 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	264693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	504031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	443578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234844	47.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.200%			
35) Dibromofluoromethane	8.153	113	152840	43.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.520%			
50) Toluene-d8	10.547	98	574351	44.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.380%			
62) 4-Bromofluorobenzene	12.829	95	199878	44.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	204306	51.389	ug/l	96
3) Chloromethane	2.383	50	224506	52.578	ug/l	98
4) Vinyl Chloride	2.536	62	216512	49.842	ug/l	99
5) Bromomethane	2.977	94	113722	54.393	ug/l	95
6) Chloroethane	3.142	64	138310	51.450	ug/l	96
7) Trichlorofluoromethane	3.512	101	304206	49.826	ug/l	96
8) Diethyl Ether	3.965	74	122332	53.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	153067	47.094	ug/l	96
10) Methyl Iodide	4.589	142	173671	53.976	ug/l	95
11) Tert butyl alcohol	5.518	59	213569	268.272	ug/l	99
12) 1,1-Dichloroethene	4.342	96	158096	48.957	ug/l	94
13) Acrolein	4.177	56	203235	266.656	ug/l	99
14) Allyl chloride	5.018	41	321979	53.793	ug/l	99
15) Acrylonitrile	5.706	53	637644	277.614	ug/l	99
16) Acetone	4.418	43	450459	249.797	ug/l	100
17) Carbon Disulfide	4.706	76	544067	51.558	ug/l	100
18) Methyl Acetate	5.018	43	290918	54.196	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	694497	57.401	ug/l	95
20) Methylene Chloride	5.265	84	208952	54.158	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	191102	53.421	ug/l	99
22) Diisopropyl ether	6.653	45	719883	56.335	ug/l	97
23) Vinyl Acetate	6.588	43	2915087m	283.141	ug/l	
24) 1,1-Dichloroethane	6.559	63	394512	54.516	ug/l	99
25) 2-Butanone	7.471	43	807706	278.613	ug/l	97
26) 2,2-Dichloropropane	7.471	77	337031	53.957	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	223944	53.866	ug/l	99
28) Bromochloromethane	7.794	49	167723	46.526	ug/l	100
29) Tetrahydrofuran	7.824	42	581218	279.515	ug/l	99
30) Chloroform	7.947	83	383675	53.957	ug/l	95
31) Cyclohexane	8.241	56	316159	48.211	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	319795	51.150	ug/l	100
36) 1,1-Dichloropropene	8.353	75	253183	46.967	ug/l	98
37) Ethyl Acetate	7.547	43	364546	51.431	ug/l	99
38) Carbon Tetrachloride	8.341	117	262078	48.837	ug/l	98
39) Methylcyclohexane	9.577	83	276272	47.913	ug/l	98
40) Benzene	8.588	78	803742	50.800	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	189164	53.883	ug/l		98
42) 1,2-Dichloroethane	8.653	62	318757	52.806	ug/l		99
43) Isopropyl Acetate	8.671	43	575762	53.165	ug/l		100
44) Trichloroethene	9.335	130	184844	49.444	ug/l		97
45) 1,2-Dichloropropane	9.600	63	211177	52.095	ug/l		96
46) Dibromomethane	9.688	93	152417	52.686	ug/l		100
47) Bromodichloromethane	9.871	83	307856	52.155	ug/l		100
48) Methyl methacrylate	9.665	41	269474	54.535	ug/l		99
49) 1,4-Dioxane	9.682	88	64188	1021.452	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	1745522	273.447	ug/l		100
52) Toluene	10.612	92	475044	51.998	ug/l		100
53) t-1,3-Dichloropropene	10.812	75	323712	53.428	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	344582	54.081	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	182138	51.530	ug/l		98
56) Ethyl methacrylate	10.853	69	323702	57.977	ug/l		98
57) 1,3-Dichloropropane	11.141	76	338609	53.102	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	851755	264.613	ug/l		100
59) 2-Hexanone	11.176	43	1118254	278.086	ug/l		99
60) Dibromochloromethane	11.341	129	212150	52.650	ug/l		98
61) 1,2-Dibromoethane	11.447	107	191658	53.546	ug/l		99
64) Tetrachloroethene	11.082	164	164101	46.666	ug/l		96
65) Chlorobenzene	11.871	112	512644	51.452	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	174200	51.838	ug/l		98
67) Ethyl Benzene	11.941	91	899198	51.635	ug/l		100
68) m/p-Xylenes	12.047	106	679183	105.191	ug/l		99
69) o-Xylene	12.376	106	322403	52.376	ug/l		100
70) Styrene	12.388	104	550033	55.031	ug/l		100
71) Bromoform	12.559	173	132448	53.811	ug/l	#	100
73) Isopropylbenzene	12.670	105	827973	52.866	ug/l		100
74) N-amyl acetate	12.500	43	221082m	41.449	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	253948	50.155	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	269266m	54.274	ug/l		
77) Bromobenzene	12.959	156	191381	53.406	ug/l		98
78) n-propylbenzene	13.012	91	1004887	52.446	ug/l		100
79) 2-Chlorotoluene	13.106	91	599091	51.202	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	687007	52.936	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	96389	55.117	ug/l	#	95
82) 4-Chlorotoluene	13.200	91	628637	54.093	ug/l		99
83) tert-Butylbenzene	13.417	119	569932	51.660	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	703272	54.519	ug/l		98
85) sec-Butylbenzene	13.594	105	812817	51.285	ug/l		100
86) p-Isopropyltoluene	13.706	119	678617	52.216	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	357734	51.282	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	372290	50.949	ug/l		98
89) n-Butylbenzene	14.035	91	644062	51.040	ug/l		99
90) Hexachloroethane	14.306	117	118158	49.768	ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	344212	52.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62186	50.621	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	200095	51.301	ug/l		99
94) Hexachlorobutadiene	15.476	225	64430	45.969	ug/l		97
95) Naphthalene	15.611	128	719827	53.258	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	188353	49.620	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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

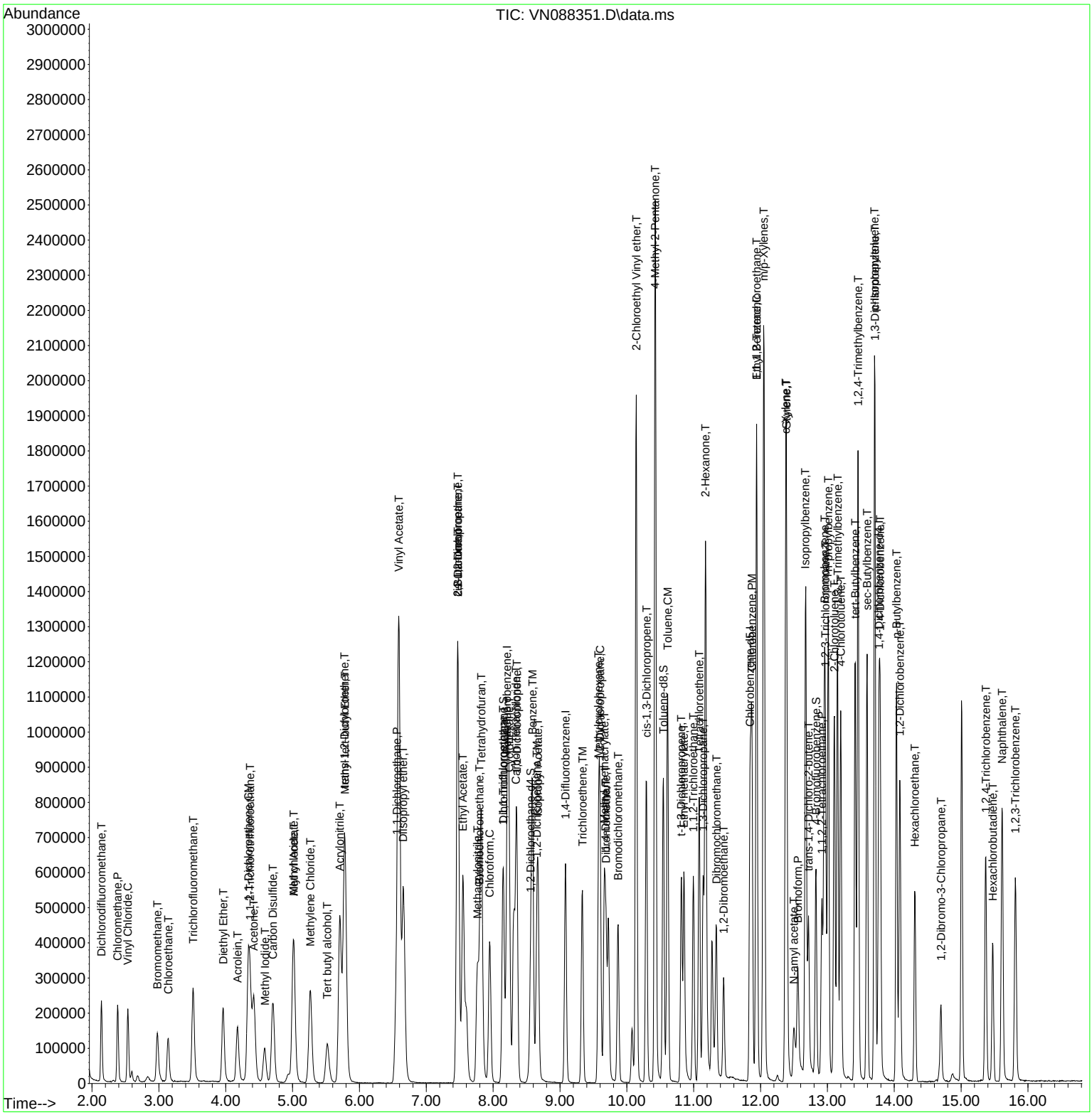
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	0.751	0.772	-2.8	108	0.00
3	P	Chloromethane	0.807	0.848	-5.1	110	0.00
4	C	Vinyl Chloride	0.821	0.818	0.4#	105	0.00
5	T	Bromomethane	0.395	0.430	-8.9	113	0.00
6	T	Chloroethane	0.508	0.523	-3.0	108	0.00
7	T	Trichlorofluoromethane	1.153	1.149	0.3	110	0.00
8	T	Diethyl Ether	0.433	0.462	-6.7	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.578	5.9	107	0.00
10	T	Methyl Iodide	0.608	0.656	-7.9	103	0.00
11	T	Tert butyl alcohol	0.150	0.161	-7.3	104	0.00
12	CM	1,1-Dichloroethene	0.610	0.597	2.1#	109	0.00
13	T	Acrolein	0.144	0.154	-6.9	106	0.00
14	T	Allyl chloride	1.131	1.216	-7.5	110	0.00
15	T	Acrylonitrile	0.434	0.482	-11.1	107	0.00
16	T	Acetone	0.341	0.340	0.3	106	0.00
17	T	Carbon Disulfide	1.993	2.055	-3.1	108	0.00
18	T	Methyl Acetate	1.014	1.099	-8.4	109	0.00
19	T	Methyl tert-butyl Ether	2.285	2.624	-14.8	109	0.00
20	T	Methylene Chloride	0.729	0.789	-8.2	109	0.00
21	T	trans-1,2-Dichloroethene	0.676	0.722	-6.8	110	0.00
22	T	Diisopropyl ether	2.414	2.720	-12.7	110	0.00
23	T	Vinyl Acetate	1.945	2.203	-13.3	107	0.00
24	P	1,1-Dichloroethane	1.367	1.490	-9.0	109	0.00
25	T	2-Butanone	0.548	0.610	-11.3	107	0.00
26	T	2,2-Dichloropropane	1.180	1.273	-7.9	110	0.00
27	T	cis-1,2-Dichloroethene	0.785	0.846	-7.8	106	0.00
28	T	Bromochloromethane	0.681	0.634	6.9	90	0.00
29	T	Tetrahydrofuran	0.393	0.439	-11.7	106	0.00
30	C	Chloroform	1.343	1.450	-8.0#	108	0.00
31	T	Cyclohexane	1.239	1.194	3.6	110	0.00
32	T	1,1,1-Trichloroethane	1.181	1.208	-2.3	109	0.00
33	S	1,2-Dichloroethane-d4	0.942	0.887	5.8	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.346	0.303	12.4	91	0.00
36	T	1,1-Dichloropropene	0.535	0.502	6.2	107	0.00
37	T	Ethyl Acetate	0.703	0.723	-2.8	105	0.00
38	T	Carbon Tetrachloride	0.532	0.520	2.3	109	0.00
39	T	Methylcyclohexane	0.572	0.548	4.2	109	0.00
40	TM	Benzene	1.570	1.595	-1.6	107	0.00
41	T	Methacrylonitrile	0.348	0.375	-7.8	110	0.00
42	TM	1,2-Dichloroethane	0.599	0.632	-5.5	108	0.00
43	T	Isopropyl Acetate	1.074	1.142	-6.3	107	0.00
44	TM	Trichloroethene	0.371	0.367	1.1	108	0.00
45	C	1,2-Dichloropropane	0.402	0.419	-4.2#	108	0.00
46	T	Dibromomethane	0.287	0.302	-5.2	108	0.00
47	T	Bromodichloromethane	0.586	0.611	-4.3	109	0.00
48	T	Methyl methacrylate	0.490	0.535	-9.2	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	0.006	0.006	0.0	101	0.00
50	S	Toluene-d8	1.289	1.140	11.6	93	0.00
51	T	4-Methyl-2-Pentanone	0.633	0.693	-9.5	108	0.00
52	CM	Toluene	0.906	0.942	-4.0#	108	0.00
53	T	t-1,3-Dichloropropene	0.601	0.642	-6.8	107	0.00
54	T	cis-1,3-Dichloropropene	0.632	0.684	-8.2	108	0.00
55	T	1,1,2-Trichloroethane	0.351	0.361	-2.8	107	0.00
56	T	Ethyl methacrylate	0.554	0.642	-15.9	109	0.00
57	T	1,3-Dichloropropane	0.633	0.672	-6.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.319	0.338	-6.0	97	0.00
59	T	2-Hexanone	0.399	0.444	-11.3	107	0.00
60	T	Dibromochloromethane	0.400	0.421	-5.2	108	0.00
61	T	1,2-Dibromoethane	0.355	0.380	-7.0	108	0.00
62	S	4-Bromofluorobenzene	0.442	0.397	10.2	93	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.396	0.370	6.6	102	0.00
65	PM	Chlorobenzene	1.123	1.156	-2.9	109	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.393	-3.7	107	0.00
67	C	Ethyl Benzene	1.963	2.027	-3.3#	109	0.00
68	T	m/p-Xylenes	0.728	0.766	-5.2	109	0.00
69	T	o-Xylene	0.694	0.727	-4.8	109	0.00
70	T	Styrene	1.127	1.240	-10.0	108	0.00
71	P	Bromoform	0.277	0.299	-7.9	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.697	3.909	-5.7	110	0.00
74	T	N-amyl acetate	1.259	1.044	17.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.195	1.199	-0.3	108	0.00
76	T	1,2,3-Trichloropropane	1.171	1.271	-8.5	107	0.00
77	T	Bromobenzene	0.846	0.903	-6.7	106	0.00
78	T	n-propylbenzene	4.523	4.744	-4.9	109	0.00
79	T	2-Chlorotoluene	2.762	2.828	-2.4	106	0.00
80	T	1,3,5-Trimethylbenzene	3.063	3.243	-5.9	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.413	0.455	-10.2	107	0.00
82	T	4-Chlorotoluene	2.743	2.968	-8.2	106	0.00
83	T	tert-Butylbenzene	2.604	2.691	-3.3	109	0.00
84	T	1,2,4-Trimethylbenzene	3.045	3.320	-9.0	108	0.00
85	T	sec-Butylbenzene	3.741	3.837	-2.6	108	0.00
86	T	p-Isopropyltoluene	3.068	3.204	-4.4	107	0.00
87	T	1,3-Dichlorobenzene	1.647	1.689	-2.6	107	0.00
88	T	1,4-Dichlorobenzene	1.725	1.758	-1.9	106	0.00
89	T	n-Butylbenzene	2.979	3.041	-2.1	107	0.00
90	T	Hexachloroethane	0.560	0.558	0.4	106	0.00
91	T	1,2-Dichlorobenzene	1.550	1.625	-4.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.290	0.294	-1.4	103	0.00
93	T	1,2,4-Trichlorobenzene	0.921	0.945	-2.6	108	0.00
94	T	Hexachlorobutadiene	0.331	0.304	8.2	104	0.00
95	T	Naphthalene	3.190	3.398	-6.5	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	0.896	0.889	0.8	103	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_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	51.389	-2.8	108	0.00
3	P	Chloromethane	50.000	52.578	-5.2	110	0.00
4	C	Vinyl Chloride	50.000	49.842	0.3#	105	0.00
5	T	Bromomethane	50.000	54.393	-8.8	113	0.00
6	T	Chloroethane	50.000	51.450	-2.9	108	0.00
7	T	Trichlorofluoromethane	50.000	49.826	0.3	110	0.00
8	T	Diethyl Ether	50.000	53.384	-6.8	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.094	5.8	107	0.00
10	T	Methyl Iodide	50.000	53.976	-8.0	103	0.00
11	T	Tert butyl alcohol	250.000	268.272	-7.3	104	0.00
12	CM	1,1-Dichloroethene	50.000	48.957	2.1#	109	0.00
13	T	Acrolein	250.000	266.656	-6.7	106	0.00
14	T	Allyl chloride	50.000	53.793	-7.6	110	0.00
15	T	Acrylonitrile	250.000	277.614	-11.0	107	0.00
16	T	Acetone	250.000	249.797	0.1	106	0.00
17	T	Carbon Disulfide	50.000	51.558	-3.1	108	0.00
18	T	Methyl Acetate	50.000	54.196	-8.4	109	0.00
19	T	Methyl tert-butyl Ether	50.000	57.401	-14.8	109	0.00
20	T	Methylene Chloride	50.000	54.158	-8.3	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.421	-6.8	110	0.00
22	T	Diisopropyl ether	50.000	56.335	-12.7	110	0.00
23	T	Vinyl Acetate	250.000	283.141	-13.3	107	0.00
24	P	1,1-Dichloroethane	50.000	54.516	-9.0	109	0.00
25	T	2-Butanone	250.000	278.613	-11.4	107	0.00
26	T	2,2-Dichloropropane	50.000	53.957	-7.9	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.866	-7.7	106	0.00
28	T	Bromochloromethane	50.000	46.526	6.9	90	0.00
29	T	Tetrahydrofuran	250.000	279.515	-11.8	106	0.00
30	C	Chloroform	50.000	53.957	-7.9#	108	0.00
31	T	Cyclohexane	50.000	48.211	3.6	110	0.00
32	T	1,1,1-Trichloroethane	50.000	51.150	-2.3	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.098	5.8	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	43.757	12.5	91	0.00
36	T	1,1-Dichloropropene	50.000	46.967	6.1	107	0.00
37	T	Ethyl Acetate	50.000	51.431	-2.9	105	0.00
38	T	Carbon Tetrachloride	50.000	48.837	2.3	109	0.00
39	T	Methylcyclohexane	50.000	47.913	4.2	109	0.00
40	TM	Benzene	50.000	50.800	-1.6	107	0.00
41	T	Methacrylonitrile	50.000	53.883	-7.8	110	0.00
42	TM	1,2-Dichloroethane	50.000	52.806	-5.6	108	0.00
43	T	Isopropyl Acetate	50.000	53.165	-6.3	107	0.00
44	TM	Trichloroethene	50.000	49.444	1.1	108	0.00
45	C	1,2-Dichloropropane	50.000	52.095	-4.2#	108	0.00
46	T	Dibromomethane	50.000	52.686	-5.4	108	0.00
47	T	Bromodichloromethane	50.000	52.155	-4.3	109	0.00
48	T	Methyl methacrylate	50.000	54.535	-9.1	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	1021.452	-2.1	101	0.00
50	S	Toluene-d8	50.000	44.193	11.6	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.447	-9.4	108	0.00
52	CM	Toluene	50.000	51.998	-4.0#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	53.428	-6.9	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.081	-8.2	108	0.00
55	T	1,1,2-Trichloroethane	50.000	51.530	-3.1	107	0.00
56	T	Ethyl methacrylate	50.000	57.977	-16.0	109	0.00
57	T	1,3-Dichloropropane	50.000	53.102	-6.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.613	-5.8	97	0.00
59	T	2-Hexanone	250.000	278.086	-11.2	107	0.00
60	T	Dibromochloromethane	50.000	52.650	-5.3	108	0.00
61	T	1,2-Dibromoethane	50.000	53.546	-7.1	108	0.00
62	S	4-Bromofluorobenzene	50.000	44.823	10.4	93	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	46.666	6.7	102	0.00
65	PM	Chlorobenzene	50.000	51.452	-2.9	109	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.838	-3.7	107	0.00
67	C	Ethyl Benzene	50.000	51.635	-3.3#	109	0.00
68	T	m/p-Xylenes	100.000	105.191	-5.2	109	0.00
69	T	o-Xylene	50.000	52.376	-4.8	109	0.00
70	T	Styrene	50.000	55.031	-10.1	108	0.00
71	P	Bromoform	50.000	53.811	-7.6	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	52.866	-5.7	110	0.00
74	T	N-amyl acetate	50.000	41.449	17.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.155	-0.3	108	0.00
76	T	1,2,3-Trichloropropane	50.000	54.274	-8.5	107	0.00
77	T	Bromobenzene	50.000	53.406	-6.8	106	0.00
78	T	n-propylbenzene	50.000	52.446	-4.9	109	0.00
79	T	2-Chlorotoluene	50.000	51.202	-2.4	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.936	-5.9	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.117	-10.2	107	0.00
82	T	4-Chlorotoluene	50.000	54.093	-8.2	106	0.00
83	T	tert-Butylbenzene	50.000	51.660	-3.3	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.519	-9.0	108	0.00
85	T	sec-Butylbenzene	50.000	51.285	-2.6	108	0.00
86	T	p-Isopropyltoluene	50.000	52.216	-4.4	107	0.00
87	T	1,3-Dichlorobenzene	50.000	51.282	-2.6	107	0.00
88	T	1,4-Dichlorobenzene	50.000	50.949	-1.9	106	0.00
89	T	n-Butylbenzene	50.000	51.040	-2.1	107	0.00
90	T	Hexachloroethane	50.000	49.768	0.5	106	0.00
91	T	1,2-Dichlorobenzene	50.000	52.435	-4.9	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.621	-1.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.301	-2.6	108	0.00
94	T	Hexachlorobutadiene	50.000	45.969	8.1	104	0.00
95	T	Naphthalene	50.000	53.258	-6.5	105	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088351.D
Acq On : 24 Nov 2025 15:18
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112425

Quant Time: Nov 25 01:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	49.620	0.8	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: CORE02

Lab Code: ACE SDG No.: Q3741

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: CORE02

Lab Code: ACE SDG No.: Q3741

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

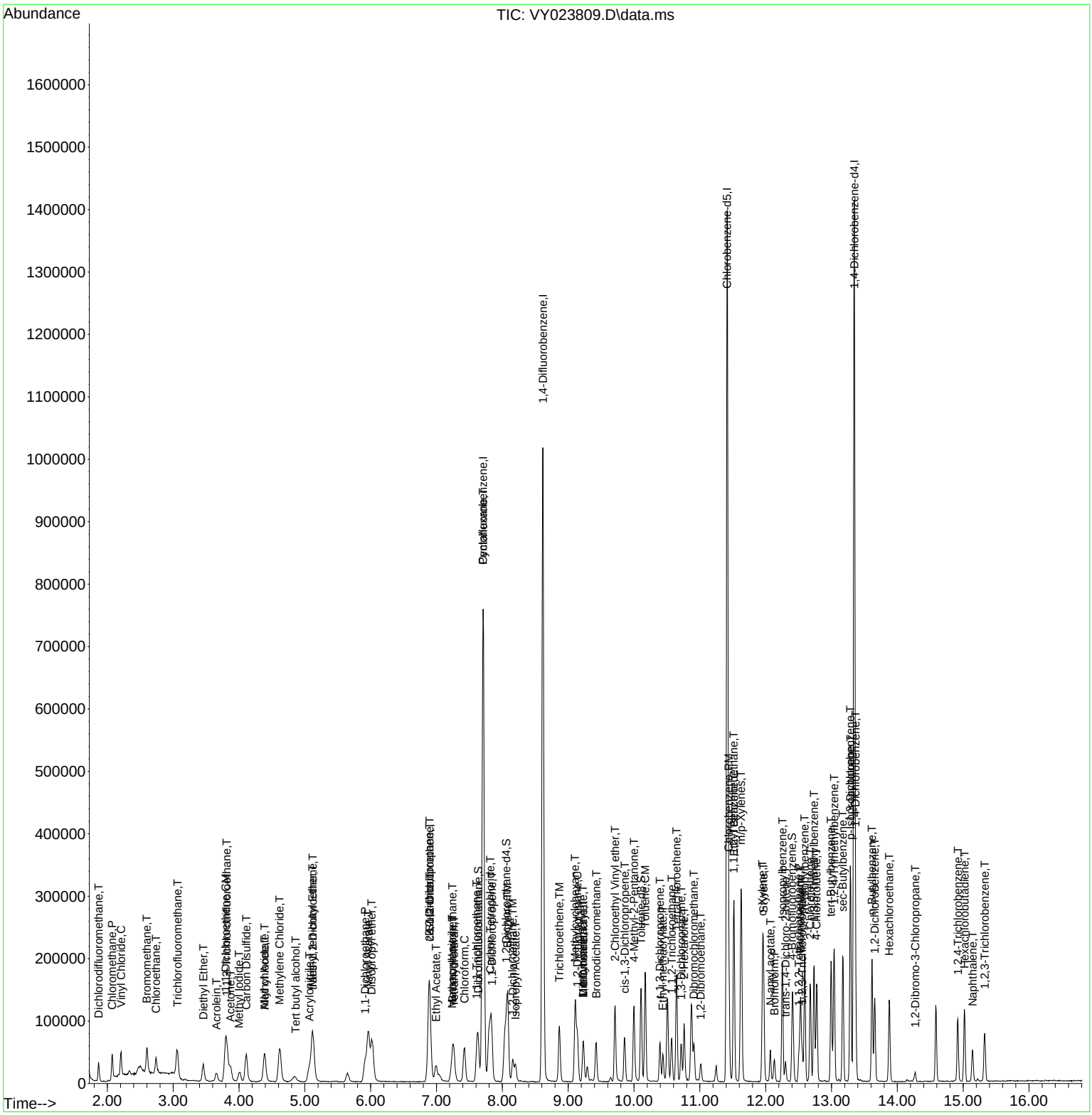
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

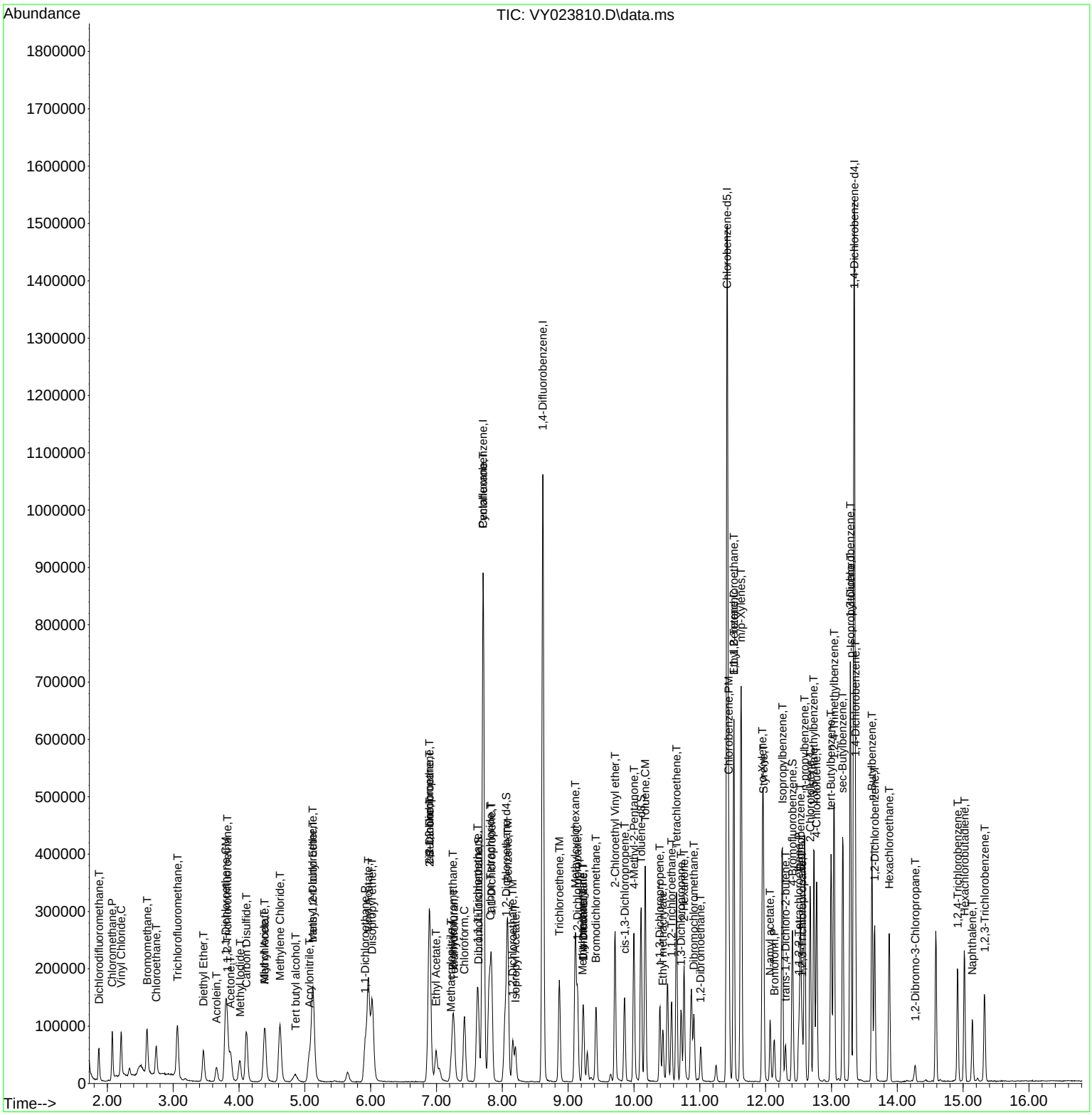
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023810.D
Acq On : 26 Nov 2025 08:27
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

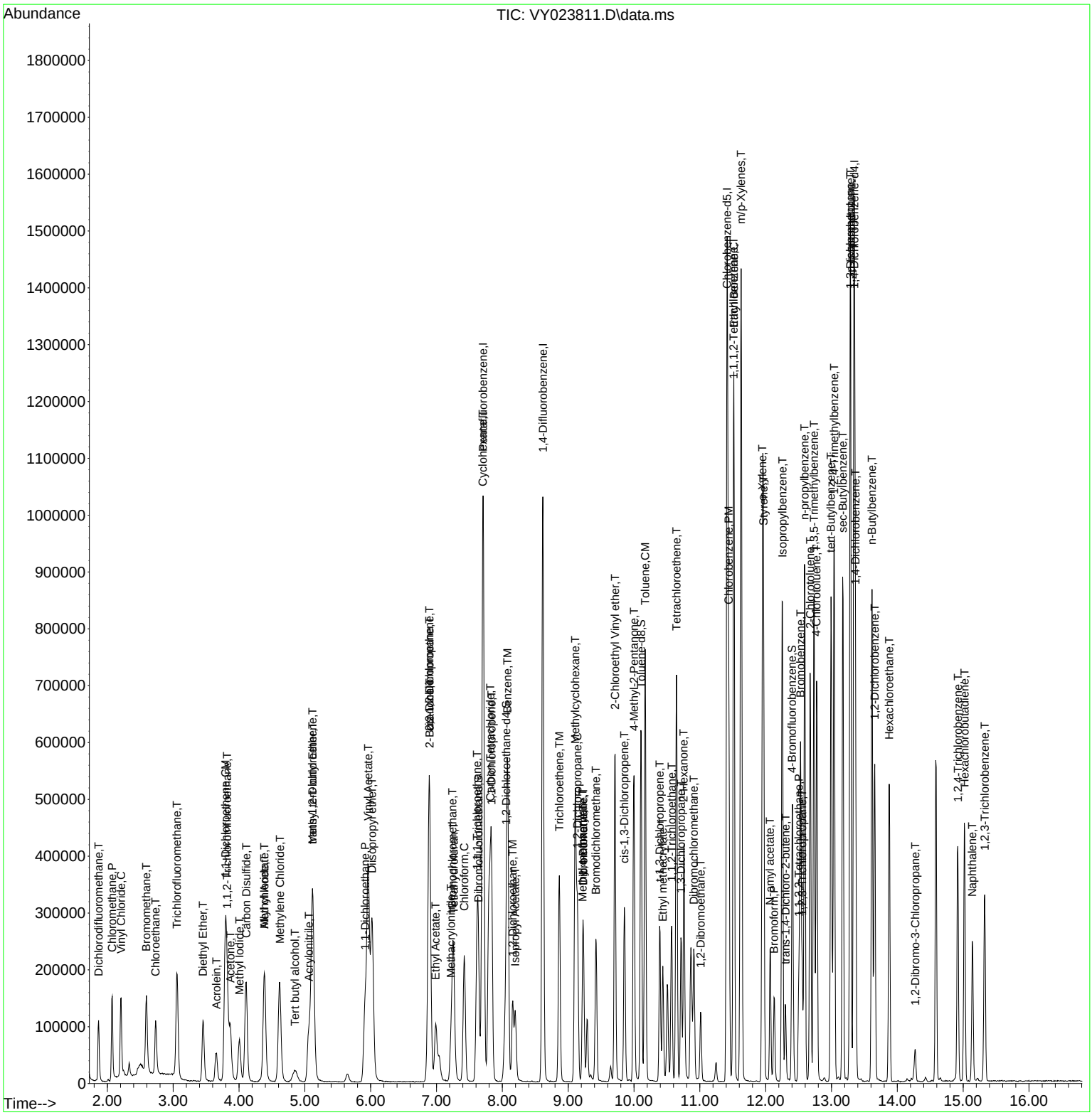
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023811.D
Acq On : 26 Nov 2025 08:49
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

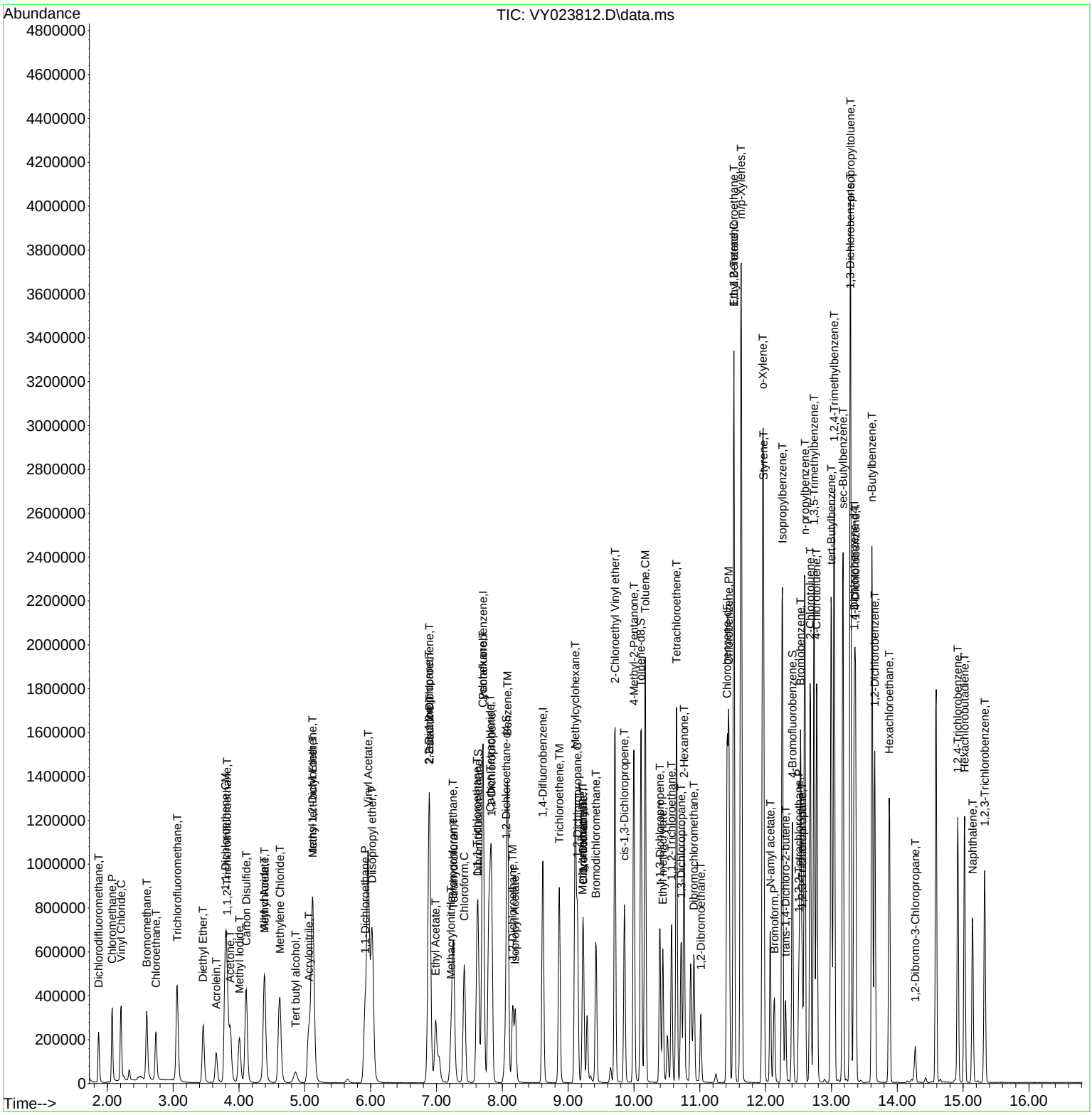
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023812.D
Acq On : 26 Nov 2025 09:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

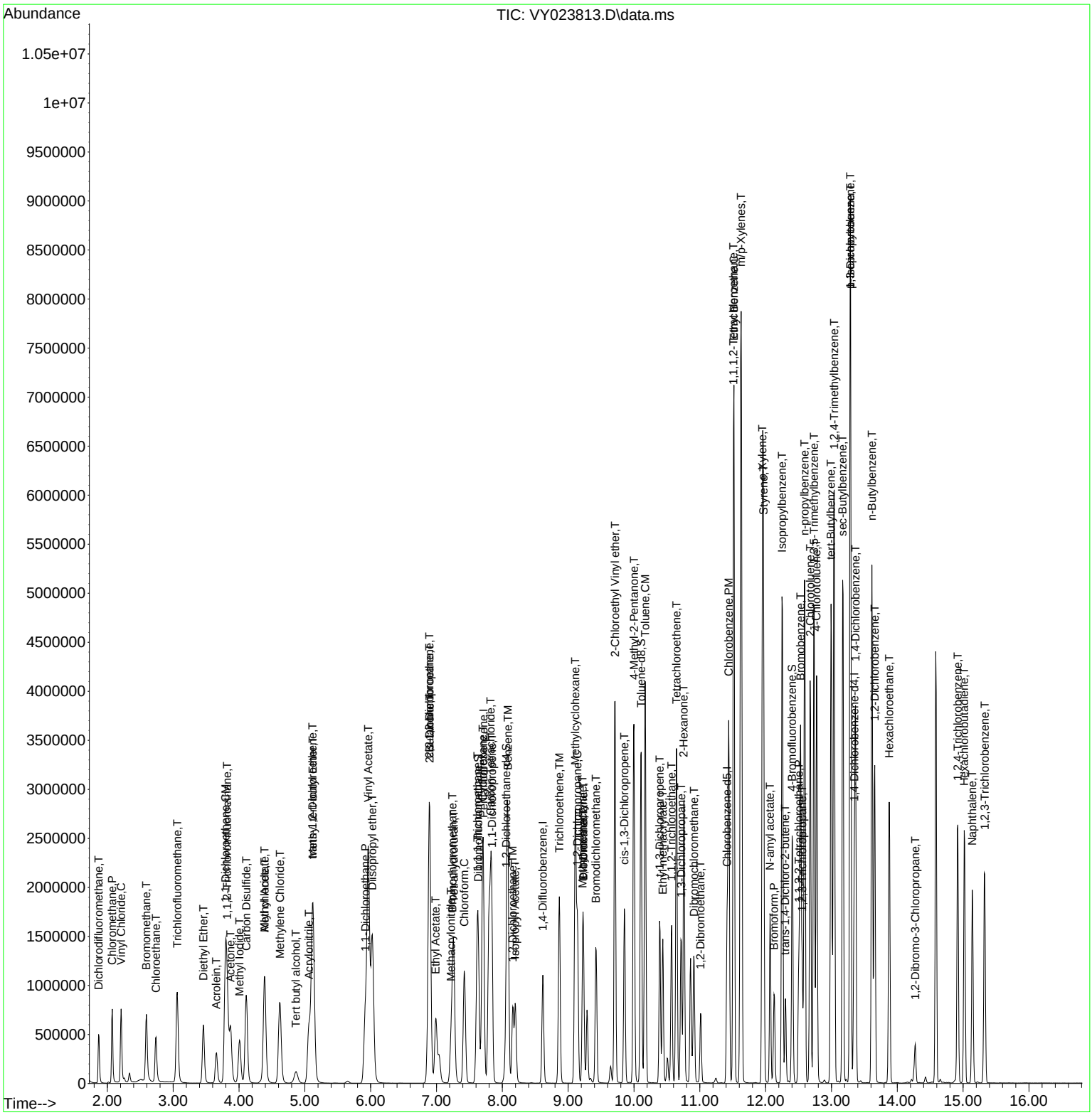
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

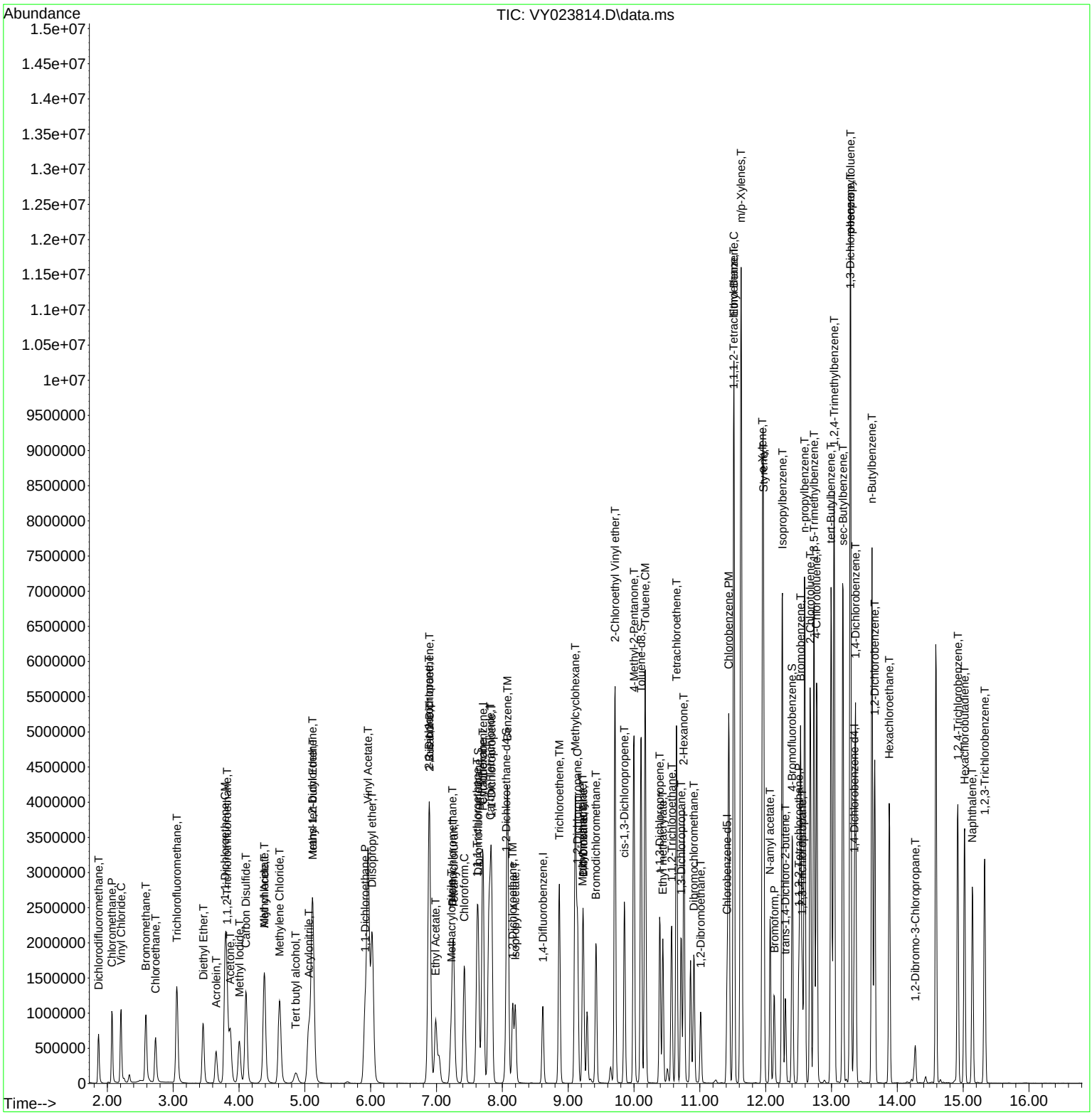
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023814.D
Acq On : 26 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

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
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Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
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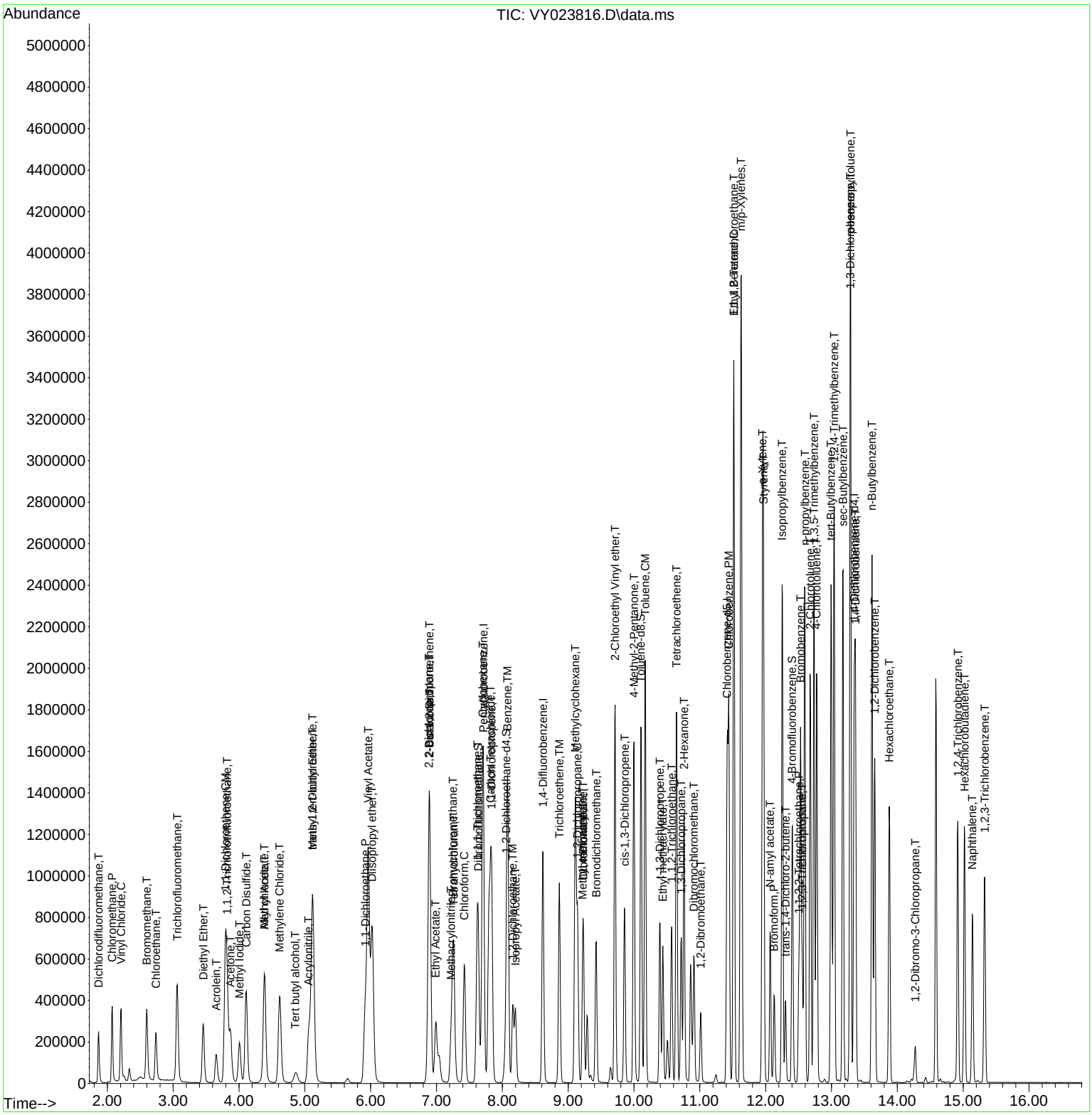
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

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

Raw Data: **VN088370.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:	CORE02
Lab Code:	ACE	SDG No.:	Q3741
Instrument ID:	MSVOA_N	Calibration Date/Time:	12/01/2025 09:58
Lab File ID:	VN088370.D	Init. Calib. Date(s):	11/24/2025 11/24/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	12:38 14:35

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.751	0.815		8.52	20
Chloromethane	0.807	0.858	0.1	6.32	20
Vinyl Chloride	0.821	0.851		3.65	20
Bromomethane	0.395	0.408		3.29	20
Chloroethane	0.508	0.525		3.35	20
Trichlorofluoromethane	1.153	1.195		3.64	20
1,1,2-Trichlorotrifluoroethane	0.614	0.636		3.58	20
1,1-Dichloroethene	0.610	0.607		-0.49	20
Acetone	0.341	0.269		-21.11	20
Carbon Disulfide	1.993	2.083		4.52	20
Methyl tert-butyl Ether	2.285	2.626		14.92	20
Methyl Acetate	1.014	1.108		9.27	20
Methylene Chloride	0.729	0.791		8.51	20
trans-1,2-Dichloroethene	0.676	0.724		7.1	20
1,1-Dichloroethane	1.367	1.456	0.1	6.51	20
Cyclohexane	1.239	1.285		3.71	20
2-Butanone	0.548	0.541		-1.28	20
Carbon Tetrachloride	0.532	0.584		9.77	20
cis-1,2-Dichloroethene	0.785	0.861		9.68	20
Bromochloromethane	0.681	0.672		-1.32	20
Chloroform	1.343	1.443		7.45	20
1,1,1-Trichloroethane	1.181	1.220		3.3	20
Methylcyclohexane	0.572	0.664		16.08	20
Benzene	1.570	1.738		10.7	20
1,2-Dichloroethane	0.599	0.676		12.85	20
Trichloroethene	0.371	0.415		11.86	20
1,2-Dichloropropane	0.402	0.453		12.69	20
Bromodichloromethane	0.586	0.670		14.33	20
4-Methyl-2-Pentanone	0.633	0.747		18.01	20
Toluene	0.906	1.034		14.13	20
t-1,3-Dichloropropene	0.601	0.701		16.64	20
cis-1,3-Dichloropropene	0.632	0.748		18.35	20
1,1,2-Trichloroethane	0.351	0.400		13.96	20
2-Hexanone	0.399	0.458		14.79	20
Dibromochloromethane	0.400	0.464		16	20
1,2-Dibromoethane	0.355	0.413		16.34	20
Tetrachloroethene	0.396	0.425		7.32	20
Chlorobenzene	1.123	1.242	0.3	10.6	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: **VN088370.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CORE02
Lab Code: ACE
SDG No.: Q3741
Instrument ID: MSVOA_N
Calibration Date/Time: 12/01/2025 09:58
Lab File ID: VN088370.D
Init. Calib. Date(s): 11/24/2025 11/24/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:38 14:35
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.963	2.187		11.41	20
m/p-Xylenes	0.728	0.816		12.09	20
o-Xylene	0.694	0.778		12.1	20
Styrene	1.127	1.336		18.55	20
Bromoform	0.277	0.337	0.1	21.66	20
Isopropylbenzene	3.697	4.179		13.04	20
1,1,2,2-Tetrachloroethane	1.195	1.313	0.3	9.87	20
1,3-Dichlorobenzene	1.647	1.852		12.45	20
1,4-Dichlorobenzene	1.725	1.901		10.2	20
1,2-Dichlorobenzene	1.550	1.757		13.35	20
1,2-Dibromo-3-Chloropropane	0.290	0.317		9.31	20
1,2,4-Trichlorobenzene	0.921	1.042		13.14	20
1,2,3-Trichlorobenzene	0.896	0.989		10.38	20
1,2-Dichloroethane-d4	0.942	0.958		1.7	20
Dibromofluoromethane	0.346	0.377		8.96	20
Toluene-d8	1.289	1.356		5.2	20
4-Bromofluorobenzene	0.442	0.472		6.79	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_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
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	8.200	168	262500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	457607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	408098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	197460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	251592	50.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.760%			
35) Dibromofluoromethane	8.147	113	172647	54.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.880%			
50) Toluene-d8	10.541	98	620606	52.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.823	95	216098	53.376	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	213988	54.274	ug/l	98
3) Chloromethane	2.383	50	225109	53.159	ug/l	97
4) Vinyl Chloride	2.536	62	223310	51.837	ug/l	98
5) Bromomethane	2.977	94	107123	51.665	ug/l	97
6) Chloroethane	3.136	64	137709	51.654	ug/l	96
7) Trichlorofluoromethane	3.512	101	313594	51.793	ug/l	100
8) Diethyl Ether	3.965	74	122135	53.743	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	166917	51.784	ug/l	97
10) Methyl Iodide	4.577	142	178922	56.072	ug/l	100
11) Tert butyl alcohol	5.518	59	205497	260.289	ug/l	97
12) 1,1-Dichloroethene	4.342	96	159359	49.760	ug/l	98
13) Acrolein	4.171	56	291964	386.274	ug/l	98
14) Allyl chloride	5.012	41	306169	51.579	ug/l	99
15) Acrylonitrile	5.706	53	631123	277.070	ug/l	99
16) Acetone	4.418	43	353017	197.397	ug/l	99
17) Carbon Disulfide	4.700	76	546678	52.238	ug/l	100
18) Methyl Acetate	5.012	43	290775	54.622	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	689442	57.460	ug/l	96
20) Methylene Chloride	5.265	84	207762	54.299	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	190100	53.585	ug/l	98
22) Diisopropyl ether	6.653	45	704752	55.612	ug/l	98
23) Vinyl Acetate	6.589	43	2933303m	287.290	ug/l	
24) 1,1-Dichloroethane	6.553	63	382166	53.252	ug/l	99
25) 2-Butanone	7.465	43	709877	246.913	ug/l	99
26) 2,2-Dichloropropane	7.471	77	325483	52.543	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	225942	54.801	ug/l	98
28) Bromochloromethane	7.794	49	176525	49.377	ug/l	99
29) Tetrahydrofuran	7.824	42	580681	281.590	ug/l	99
30) Chloroform	7.947	83	378896	53.730	ug/l	95
31) Cyclohexane	8.235	56	337193	51.848	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	320304	51.659	ug/l	99
36) 1,1-Dichloropropene	8.353	75	257172	52.546	ug/l	98
37) Ethyl Acetate	7.541	43	351134	54.564	ug/l	98
38) Carbon Tetrachloride	8.341	117	267192	54.841	ug/l	95
39) Methylcyclohexane	9.582	83	303843	58.041	ug/l	97
40) Benzene	8.588	78	795502	55.380	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
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	7.759	41	178298m	55.940	ug/l		
42) 1,2-Dichloroethane	8.653	62	309394	56.455	ug/l		99
43) Isopropyl Acetate	8.671	43	566144	57.580	ug/l		99
44) Trichloroethene	9.330	130	189717	55.896	ug/l		99
45) 1,2-Dichloropropane	9.600	63	207193	56.298	ug/l		94
46) Dibromomethane	9.688	93	152439	58.039	ug/l		98
47) Bromodichloromethane	9.865	83	306641	57.219	ug/l		99
48) Methyl methacrylate	9.659	41	262260	58.460	ug/l		99
49) 1,4-Dioxane	9.682	88	61264	1073.826	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.424	43	1709516	294.976	ug/l		99
52) Toluene	10.606	92	472964	57.023	ug/l		98
53) t-1,3-Dichloropropene	10.812	75	320705	58.302	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	342246	59.163	ug/l		96
55) 1,1,2-Trichloroethane	10.994	97	183113	57.061	ug/l		99
56) Ethyl methacrylate	10.853	69	317004	62.537	ug/l		98
57) 1,3-Dichloropropane	11.141	76	338648	58.496	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.135	63	944366	323.148	ug/l		99
59) 2-Hexanone	11.176	43	1048679	287.241	ug/l		99
60) Dibromochloromethane	11.335	129	212408	58.062	ug/l		98
61) 1,2-Dibromoethane	11.447	107	189124	58.199	ug/l		99
64) Tetrachloroethene	11.082	164	173317	53.571	ug/l		99
65) Chlorobenzene	11.871	112	506678	55.274	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.935	131	176540	57.102	ug/l		100
67) Ethyl Benzene	11.941	91	892546	55.709	ug/l		99
68) m/p-Xylenes	12.047	106	666195	112.150	ug/l		99
69) o-Xylene	12.376	106	317531	56.069	ug/l		98
70) Styrene	12.388	104	545300	59.301	ug/l		99
71) Bromoform	12.559	173	137488	60.715	ug/l	#	100
73) Isopropylbenzene	12.670	105	825111	56.515	ug/l		99
74) N-amyl acetate	12.494	43	246831m	49.643	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	259360	54.950	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	258773m	55.953	ug/l		
77) Bromobenzene	12.959	156	190979	57.171	ug/l		98
78) n-propylbenzene	13.012	91	1008099	56.441	ug/l		100
79) 2-Chlorotoluene	13.100	91	601237	55.123	ug/l		99
80) 1,3,5-Trimethylbenzene	13.147	105	692333	57.227	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	97180	59.611	ug/l	#	87
82) 4-Chlorotoluene	13.200	91	633461	58.473	ug/l		99
83) tert-Butylbenzene	13.412	119	573074	55.723	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	704771	58.609	ug/l		99
85) sec-Butylbenzene	13.594	105	840504	56.889	ug/l		100
86) p-Isopropyltoluene	13.706	119	696965	57.528	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	365660	56.231	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	375462	55.121	ug/l		99
89) n-Butylbenzene	14.029	91	663659	56.418	ug/l		100
90) Hexachloroethane	14.306	117	124701	56.344	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	346992	56.704	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	62609	54.672	ug/l		98
93) 1,2,4-Trichlorobenzene	15.364	180	205849	56.615	ug/l		98
94) Hexachlorobutadiene	15.470	225	69826	53.442	ug/l		98
95) Naphthalene	15.611	128	732311	58.123	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	195344	55.205	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
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

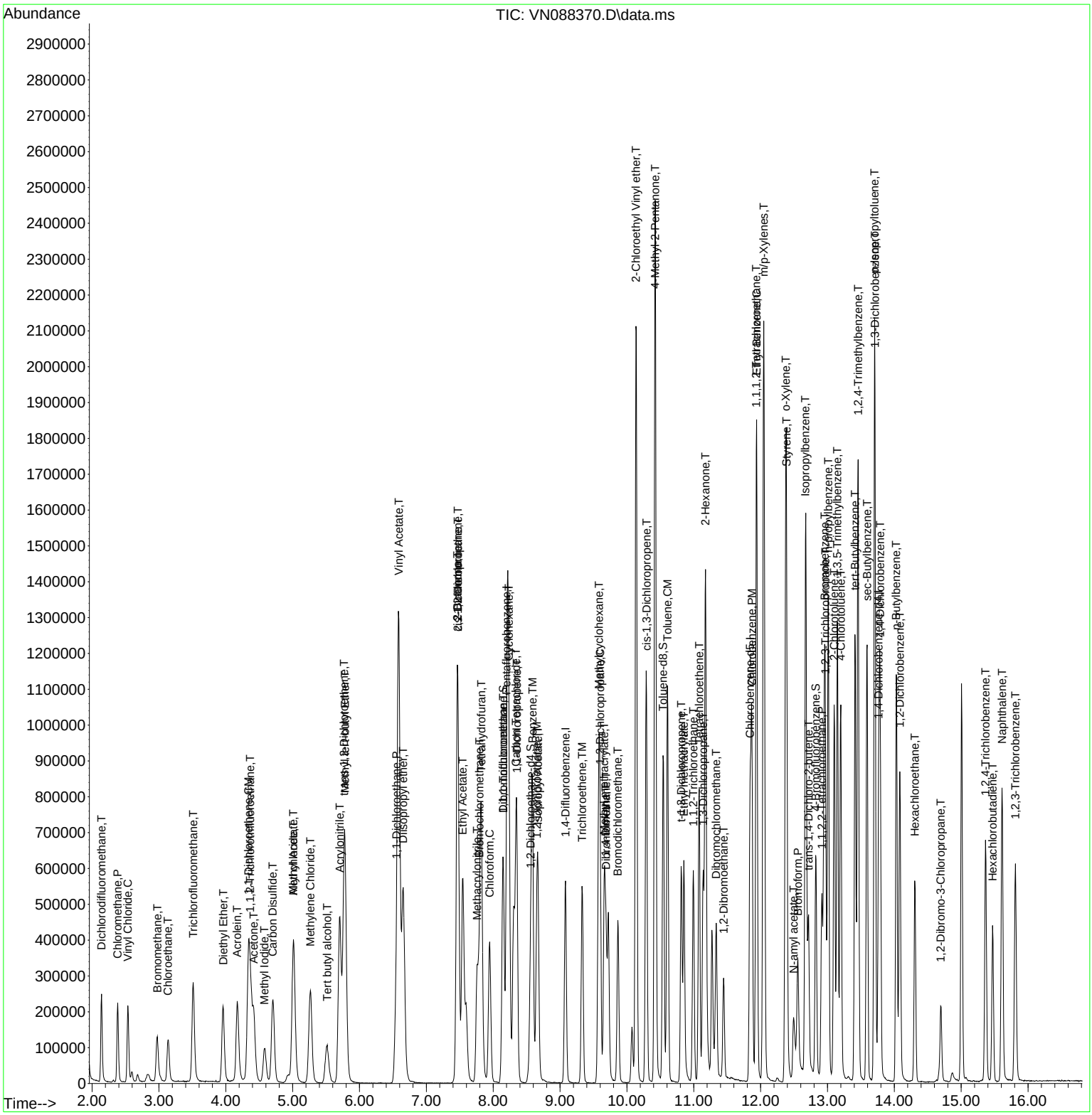
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



Sample Results: **VN088370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	103	0.00
2	T	Dichlorodifluoromethane	0.751	0.815	-8.5	114	0.00
3	P	Chloromethane	0.807	0.858	-6.3	110	0.00
4	C	Vinyl Chloride	0.821	0.851	-3.7#	108	0.00
5	T	Bromomethane	0.395	0.408	-3.3	106	0.00
6	T	Chloroethane	0.508	0.525	-3.3	107	0.00
7	T	Trichlorofluoromethane	1.153	1.195	-3.6	113	0.00
8	T	Diethyl Ether	0.433	0.465	-7.4	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.636	-3.6	116	0.00
10	T	Methyl Iodide	0.608	0.682	-12.2	106	-0.01
11	T	Tert butyl alcohol	0.150	0.157	-4.7	100	0.00
12	CM	1,1-Dichloroethene	0.610	0.607	0.5#	110	0.00
13	T	Acrolein	0.144	0.222	-54.2#	152#	0.00
14	T	Allyl chloride	1.131	1.166	-3.1	105	0.00
15	T	Acrylonitrile	0.434	0.481	-10.8	106	0.00
16	T	Acetone	0.341	0.269	21.1	83	0.00
17	T	Carbon Disulfide	1.993	2.083	-4.5	108	0.00
18	T	Methyl Acetate	1.014	1.108	-9.3	109	0.00
19	T	Methyl tert-butyl Ether	2.285	2.626	-14.9	108	0.00
20	T	Methylene Chloride	0.729	0.791	-8.5	108	0.00
21	T	trans-1,2-Dichloroethene	0.676	0.724	-7.1	109	0.00
22	T	Diisopropyl ether	2.414	2.685	-11.2	107	0.00
23	T	Vinyl Acetate	1.945	2.235	-14.9	108	0.00
24	P	1,1-Dichloroethane	1.367	1.456	-6.5	105	0.00
25	T	2-Butanone	0.548	0.541	1.3	94	0.00
26	T	2,2-Dichloropropane	1.180	1.240	-5.1	106	0.00
27	T	cis-1,2-Dichloroethene	0.785	0.861	-9.7	107	0.00
28	T	Bromochloromethane	0.681	0.672	1.3	94	0.00
29	T	Tetrahydrofuran	0.393	0.442	-12.5	106	0.00
30	C	Chloroform	1.343	1.443	-7.4#	107	0.00
31	T	Cyclohexane	1.239	1.285	-3.7	117	0.00
32	T	1,1,1-Trichloroethane	1.181	1.220	-3.3	109	0.00
33	S	1,2-Dichloroethane-d4	0.942	0.958	-1.7	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.346	0.377	-9.0	103	0.00
36	T	1,1-Dichloropropene	0.535	0.562	-5.0	109	0.00
37	T	Ethyl Acetate	0.703	0.767	-9.1	101	0.00
38	T	Carbon Tetrachloride	0.532	0.584	-9.8	111	0.00
39	T	Methylcyclohexane	0.572	0.664	-16.1	120	0.00
40	TM	Benzene	1.570	1.738	-10.7	106	0.00
41	T	Methacrylonitrile	0.348	0.390	-12.1	104	0.00
42	TM	1,2-Dichloroethane	0.599	0.676	-12.9	105	0.00
43	T	Isopropyl Acetate	1.074	1.237	-15.2	105	0.00
44	TM	Trichloroethene	0.371	0.415	-11.9	110	0.00
45	C	1,2-Dichloropropane	0.402	0.453	-12.7#	106	0.00
46	T	Dibromomethane	0.287	0.333	-16.0	108	0.00
47	T	Bromodichloromethane	0.586	0.670	-14.3	108	0.00
48	T	Methyl methacrylate	0.490	0.573	-16.9	106	0.00

Sample Results: **VN088370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.289	1.356	-5.2	100	0.00
51	T	4-Methyl-2-Pentanone	0.633	0.747	-18.0	106	0.00
52	CM	Toluene	0.906	1.034	-14.1#	108	0.00
53	T	t-1,3-Dichloropropene	0.601	0.701	-16.6	106	0.00
54	T	cis-1,3-Dichloropropene	0.632	0.748	-18.4	108	0.00
55	T	1,1,2-Trichloroethane	0.351	0.400	-14.0	108	0.00
56	T	Ethyl methacrylate	0.554	0.693	-25.1#	107	0.00
57	T	1,3-Dichloropropane	0.633	0.740	-16.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.319	0.413	-29.5#	108	0.00
59	T	2-Hexanone	0.399	0.458	-14.8	100	0.00
60	T	Dibromochloromethane	0.400	0.464	-16.0	108	0.00
61	T	1,2-Dibromoethane	0.355	0.413	-16.3	106	0.00
62	S	4-Bromofluorobenzene	0.442	0.472	-6.8	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.396	0.425	-7.3	108	0.00
65	PM	Chlorobenzene	1.123	1.242	-10.6	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.433	-14.2	108	0.00
67	C	Ethyl Benzene	1.963	2.187	-11.4#	108	0.00
68	T	m/p-Xylenes	0.728	0.816	-12.1	107	0.00
69	T	o-Xylene	0.694	0.778	-12.1	107	0.00
70	T	Styrene	1.127	1.336	-18.5	107	0.00
71	P	Bromoform	0.277	0.337	-21.7	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.697	4.179	-13.0	109	0.00
74	T	N-amyl acetate	1.259	1.250	0.7	113	0.00
75	P	1,1,2,2-Tetrachloroethane	1.195	1.313	-9.9	110	0.00
76	T	1,2,3-Trichloropropane	1.171	1.311	-12.0	103	0.00
77	T	Bromobenzene	0.846	0.967	-14.3	106	0.00
78	T	n-propylbenzene	4.523	5.105	-12.9	109	0.00
79	T	2-Chlorotoluene	2.762	3.045	-10.2	107	0.00
80	T	1,3,5-Trimethylbenzene	3.063	3.506	-14.5	109	0.00
81	T	trans-1,4-Dichloro-2-butene	0.413	0.492	-19.1	108	0.00
82	T	4-Chlorotoluene	2.743	3.208	-17.0	106	0.00
83	T	tert-Butylbenzene	2.604	2.902	-11.4	109	0.00
84	T	1,2,4-Trimethylbenzene	3.045	3.569	-17.2	109	0.00
85	T	sec-Butylbenzene	3.741	4.257	-13.8	112	0.00
86	T	p-Isopropyltoluene	3.068	3.530	-15.1	110	0.00
87	T	1,3-Dichlorobenzene	1.647	1.852	-12.4	109	0.00
88	T	1,4-Dichlorobenzene	1.725	1.901	-10.2	107	0.00
89	T	n-Butylbenzene	2.979	3.361	-12.8	111	0.00
90	T	Hexachloroethane	0.560	0.632	-12.9	112	0.00
91	T	1,2-Dichlorobenzene	1.550	1.757	-13.4	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.290	0.317	-9.3	104	0.00
93	T	1,2,4-Trichlorobenzene	0.921	1.042	-13.1	111	0.00
94	T	Hexachlorobutadiene	0.331	0.354	-6.9	113	0.00
95	T	Naphthalene	3.190	3.709	-16.3	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	0.896	0.989	-10.4	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN088370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	103	0.00
2	T	Dichlorodifluoromethane	50.000	54.274	-8.5	114	0.00
3	P	Chloromethane	50.000	53.159	-6.3	110	0.00
4	C	Vinyl Chloride	50.000	51.837	-3.7#	108	0.00
5	T	Bromomethane	50.000	51.665	-3.3	106	0.00
6	T	Chloroethane	50.000	51.654	-3.3	107	0.00
7	T	Trichlorofluoromethane	50.000	51.793	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.743	-7.5	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.784	-3.6	116	0.00
10	T	Methyl Iodide	50.000	56.072	-12.1	106	-0.01
11	T	Tert butyl alcohol	250.000	260.289	-4.1	100	0.00
12	CM	1,1-Dichloroethene	50.000	49.760	0.5#	110	0.00
13	T	Acrolein	250.000	386.274	-54.5#	152	0.00
14	T	Allyl chloride	50.000	51.579	-3.2	105	0.00
15	T	Acrylonitrile	250.000	277.070	-10.8	106	0.00
16	T	Acetone	250.000	197.397	21.0	83	0.00
17	T	Carbon Disulfide	50.000	52.238	-4.5	108	0.00
18	T	Methyl Acetate	50.000	54.622	-9.2	109	0.00
19	T	Methyl tert-butyl Ether	50.000	57.460	-14.9	108	0.00
20	T	Methylene Chloride	50.000	54.299	-8.6	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.585	-7.2	109	0.00
22	T	Diisopropyl ether	50.000	55.612	-11.2	107	0.00
23	T	Vinyl Acetate	250.000	287.290	-14.9	108	0.00
24	P	1,1-Dichloroethane	50.000	53.252	-6.5	105	0.00
25	T	2-Butanone	250.000	246.913	1.2	94	0.00
26	T	2,2-Dichloropropane	50.000	52.543	-5.1	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.801	-9.6	107	0.00
28	T	Bromochloromethane	50.000	49.377	1.2	94	0.00
29	T	Tetrahydrofuran	250.000	281.590	-12.6	106	0.00
30	C	Chloroform	50.000	53.730	-7.5#	107	0.00
31	T	Cyclohexane	50.000	51.848	-3.7	117	0.00
32	T	1,1,1-Trichloroethane	50.000	51.659	-3.3	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.878	-1.8	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	54.442	-8.9	103	0.00
36	T	1,1-Dichloropropene	50.000	52.546	-5.1	109	0.00
37	T	Ethyl Acetate	50.000	54.564	-9.1	101	0.00
38	T	Carbon Tetrachloride	50.000	54.841	-9.7	111	0.00
39	T	Methylcyclohexane	50.000	58.041	-16.1	120	0.00
40	TM	Benzene	50.000	55.380	-10.8	106	0.00
41	T	Methacrylonitrile	50.000	55.940	-11.9	104	0.00
42	TM	1,2-Dichloroethane	50.000	56.455	-12.9	105	0.00
43	T	Isopropyl Acetate	50.000	57.580	-15.2	105	0.00
44	TM	Trichloroethene	50.000	55.896	-11.8	110	0.00
45	C	1,2-Dichloropropane	50.000	56.298	-12.6#	106	0.00
46	T	Dibromomethane	50.000	58.039	-16.1	108	0.00
47	T	Bromodichloromethane	50.000	57.219	-14.4	108	0.00
48	T	Methyl methacrylate	50.000	58.460	-16.9	106	0.00

Sample Results: **VN088370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	1073.826	-7.4	96	0.00
50	S	Toluene-d8	50.000	52.597	-5.2	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	294.976	-18.0	106	0.00
52	CM	Toluene	50.000	57.023	-14.0#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	58.302	-16.6	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.163	-18.3	108	0.00
55	T	1,1,2-Trichloroethane	50.000	57.061	-14.1	108	0.00
56	T	Ethyl methacrylate	50.000	62.537	-25.1#	107	0.00
57	T	1,3-Dichloropropane	50.000	58.496	-17.0	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	323.148	-29.3#	108	0.00
59	T	2-Hexanone	250.000	287.241	-14.9	100	0.00
60	T	Dibromochloromethane	50.000	58.062	-16.1	108	0.00
61	T	1,2-Dibromoethane	50.000	58.199	-16.4	106	0.00
62	S	4-Bromofluorobenzene	50.000	53.376	-6.8	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	53.571	-7.1	108	0.00
65	PM	Chlorobenzene	50.000	55.274	-10.5	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.102	-14.2	108	0.00
67	C	Ethyl Benzene	50.000	55.709	-11.4#	108	0.00
68	T	m/p-Xylenes	100.000	112.150	-12.2	107	0.00
69	T	o-Xylene	50.000	56.069	-12.1	107	0.00
70	T	Styrene	50.000	59.301	-18.6	107	0.00
71	P	Bromoform	50.000	60.715	-21.4	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	56.515	-13.0	109	0.00
74	T	N-amyl acetate	50.000	49.643	0.7	113	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.950	-9.9	110	0.00
76	T	1,2,3-Trichloropropane	50.000	55.953	-11.9	103	0.00
77	T	Bromobenzene	50.000	57.171	-14.3	106	0.00
78	T	n-propylbenzene	50.000	56.441	-12.9	109	0.00
79	T	2-Chlorotoluene	50.000	55.123	-10.2	107	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.227	-14.5	109	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	59.611	-19.2	108	0.00
82	T	4-Chlorotoluene	50.000	58.473	-16.9	106	0.00
83	T	tert-Butylbenzene	50.000	55.723	-11.4	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	58.609	-17.2	109	0.00
85	T	sec-Butylbenzene	50.000	56.889	-13.8	112	0.00
86	T	p-Isopropyltoluene	50.000	57.528	-15.1	110	0.00
87	T	1,3-Dichlorobenzene	50.000	56.231	-12.5	109	0.00
88	T	1,4-Dichlorobenzene	50.000	55.121	-10.2	107	0.00
89	T	n-Butylbenzene	50.000	56.418	-12.8	111	0.00
90	T	Hexachloroethane	50.000	56.344	-12.7	112	0.00
91	T	1,2-Dichlorobenzene	50.000	56.704	-13.4	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.672	-9.3	104	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.615	-13.2	111	0.00
94	T	Hexachlorobutadiene	50.000	53.442	-6.9	113	0.00
95	T	Naphthalene	50.000	58.123	-16.2	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088370.D
Acq On : 01 Dec 2025 09:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 02 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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	55.205	-10.4	107	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: CORE02
Lab Code: ACE
SDG No.: Q3741
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: CORE02
Lab Code: ACE
SDG No.: Q3741
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
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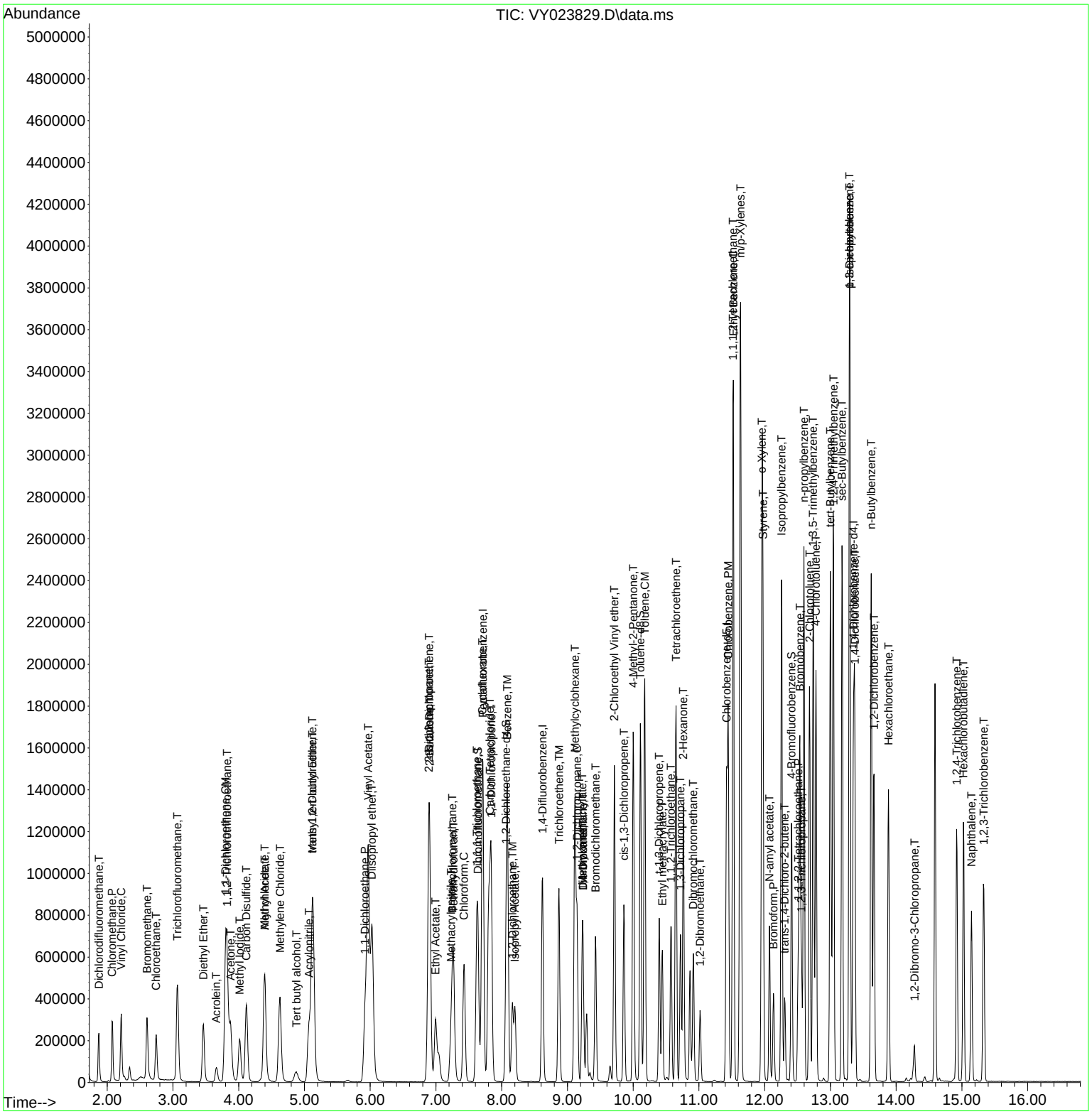
Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

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: CORE02
Lab Code: ACE
SDG No.: Q3741
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: CORE02
Lab Code: ACE
SDG No.: Q3741
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

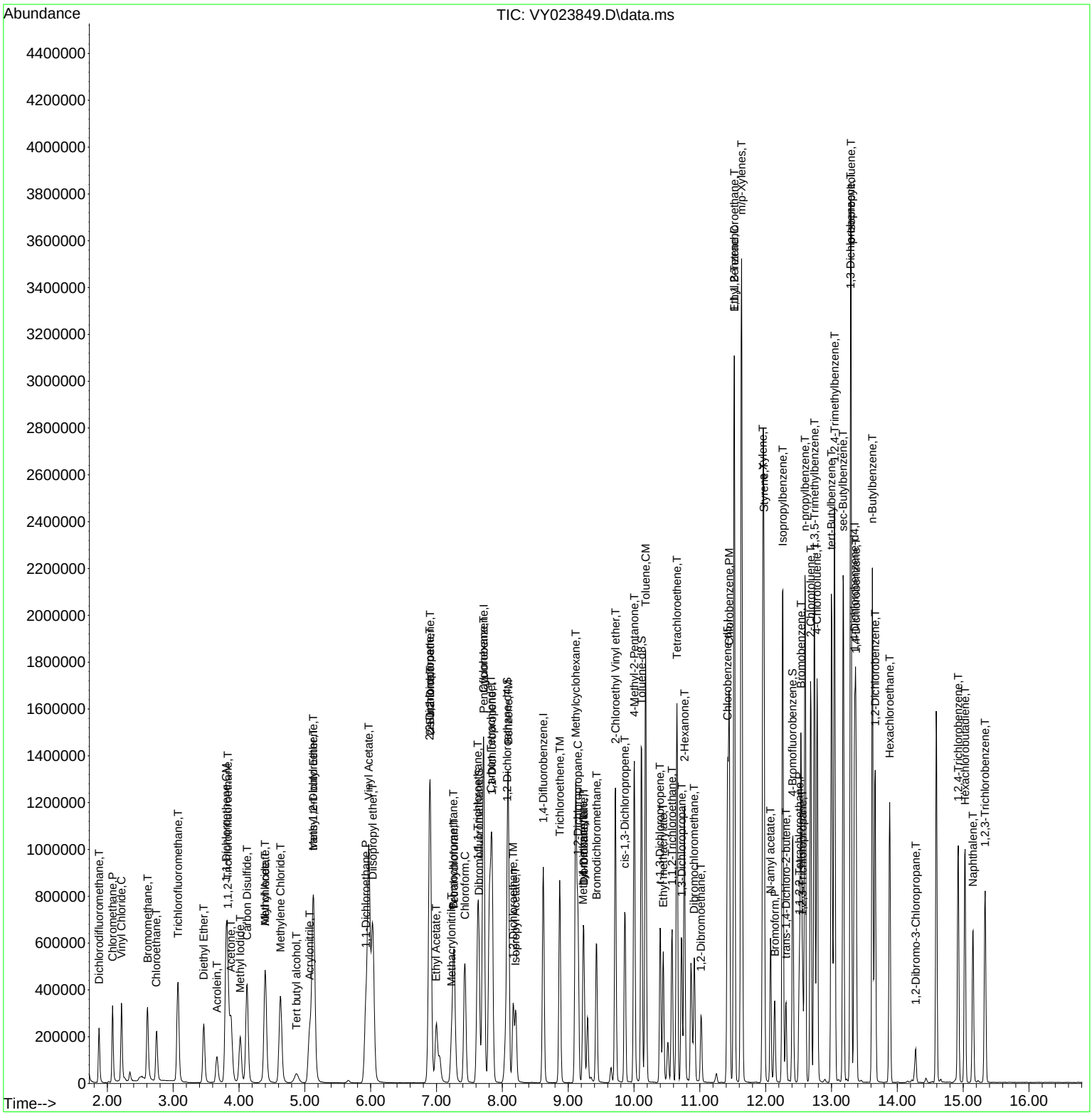
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023849.D
Acq On : 02 Dec 2025 09:14
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

QC SAMPLE DATA

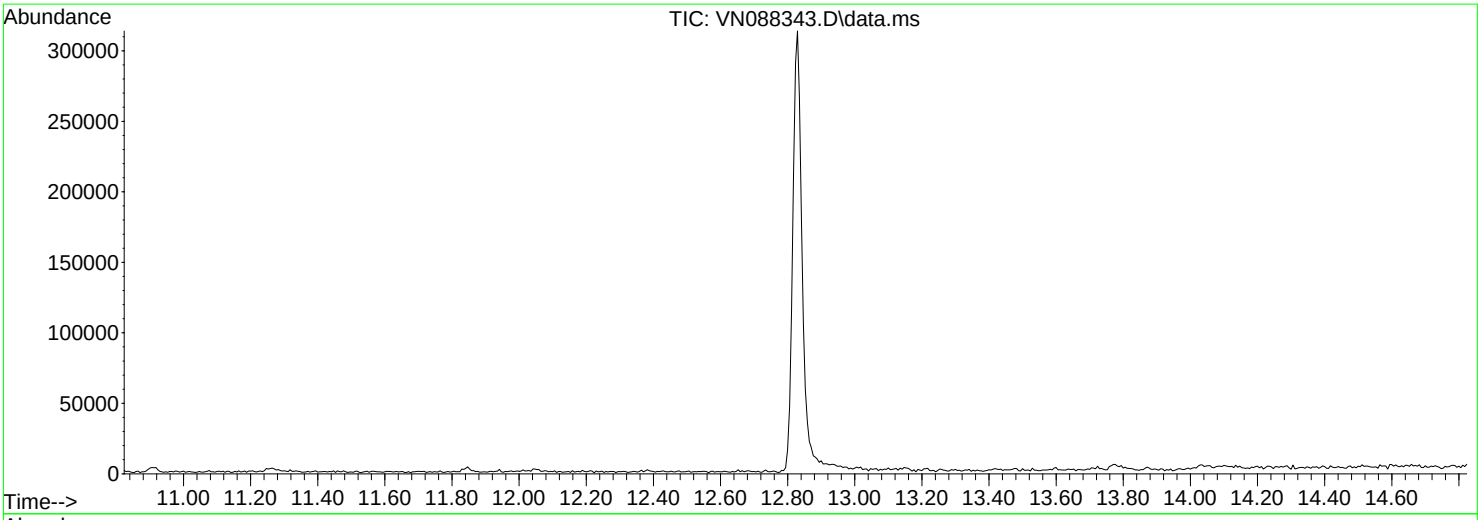
Sample Results: **VN088343.D**

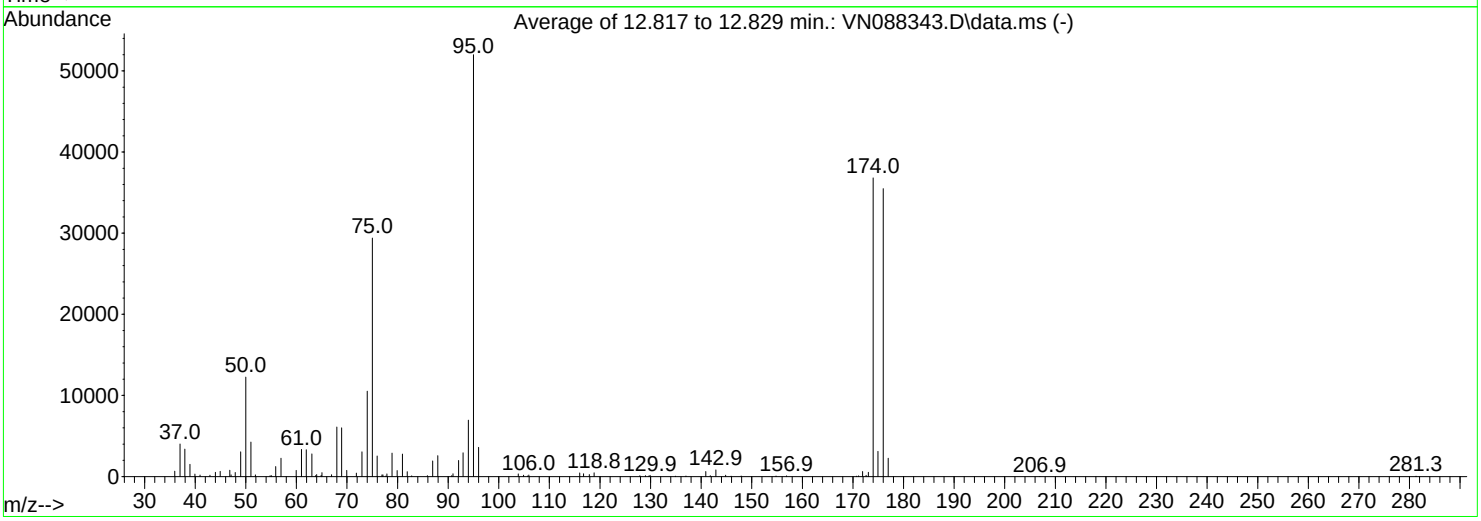
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
Data File : VN088343.D
Acq On : 24 Nov 2025 08:17
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025





AutoFind: Scans 1847, 1848, 1849; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	12249	PASS
75	95	30	60	56.6	29403	PASS
95	95	100	100	100.0	51987	PASS
96	95	5	9	6.9	3605	PASS
173	174	0.00	2	1.4	523	PASS
174	95	50	100	70.8	36808	PASS
175	174	5	9	8.4	3099	PASS
176	174	95	101	96.4	35493	PASS
177	176	5	9	6.4	2260	PASS

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	660	47.90	508	61.95	3309	72.95	3051
37.00	4014	49.00	3039	63.05	2784	74.00	10530
37.95	3391	50.00	12249	63.80	113	75.00	29405
38.95	1502	51.00	4245	64.00	255	75.95	2535
39.95	311	51.90	213	64.90	158	76.90	202
40.95	180	54.80	110	65.05	474	77.10	198
42.90	161	55.10	103	66.95	229	77.70	63
44.00	531	55.90	1233	68.00	6110	77.90	320
44.95	637	56.95	2258	68.95	5997	78.90	2897
46.85	771	59.95	755	69.95	751	79.90	742
47.10	213	61.00	3348	71.85	421	80.95	2778

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.90	605	96.00	3605	129.70	84	156.90	87
82.80	89	103.85	320	129.90	147	170.70	51
85.90	119	104.90	161	134.90	52	171.10	82
86.95	1933	105.70	75	137.00	60	171.90	617
87.95	2571	105.95	190	140.90	629	172.60	144
90.70	103	116.00	445	141.80	113	173.05	523
90.95	348	116.75	347	142.90	817	174.00	36808
92.05	1981	117.90	250	144.85	179	174.95	3099
92.95	2935	118.85	465	145.90	56	176.00	35493
94.00	6957	127.90	108	147.90	68	176.95	2260
95.00	51987	129.00	114	154.80	69	206.95	15

Average of 12.817 to 12.829 min.: VN088343.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
281.30	53						

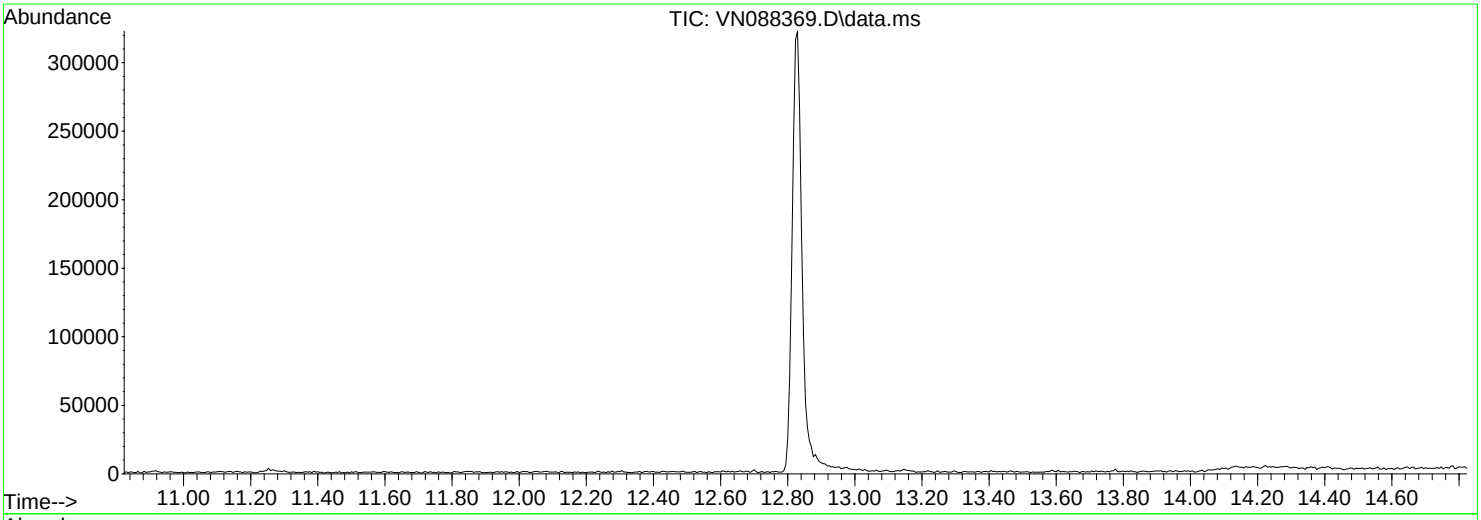
Sample Results: **VN088369.D**

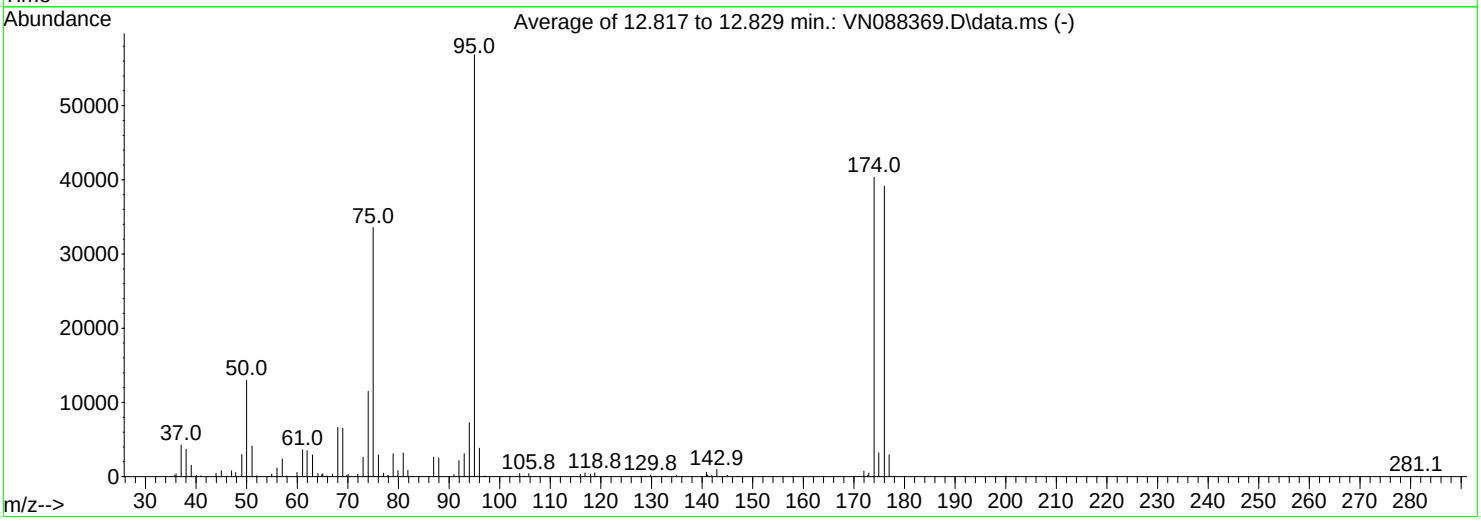
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088369.D
Acq On : 01 Dec 2025 08:49
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260
Last Update : Tue Nov 25 01:34:52 2025





AutoFind: Scans 1847, 1848, 1849; Background Corrected with Scan 1838

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	13006	PASS
75	95	30	60	59.1	33576	PASS
95	95	100	100	100.0	56845	PASS
96	95	5	9	6.7	3835	PASS
173	174	0.00	2	1.2	489	PASS
174	95	50	100	71.0	40341	PASS
175	174	5	9	8.0	3213	PASS
176	174	95	101	97.1	39165	PASS
177	176	5	9	7.5	2949	PASS

Average of 12.817 to 12.829 min.: VN088369.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	190	49.05	2976	61.95	3517	70.05	31
36.05	384	50.00	13006	63.00	2917	71.95	33
37.05	4272	51.05	4113	64.10	433	73.00	263
38.05	3684	51.90	88	64.85	304	74.00	1149
39.05	1525	52.10	68	65.05	399	75.00	33576
40.10	142	54.95	339	65.40	72	76.05	2917
40.95	105	56.00	1161	65.90	102	77.05	468
43.95	455	57.05	2400	66.95	355	77.80	128
45.00	808	57.90	81	68.00	6639	78.00	126
47.00	782	59.95	560	69.00	6543	78.95	3079
47.85	567	61.05	3625	69.80	174	79.90	824

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.817 to 12.829 min.: VN088369.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.95	3198	96.00	3835	128.20	67	147.00	61
81.85	841	96.90	89	128.80	61	148.00	50
82.80	51	97.20	58	129.80	188	171.95	743
86.00	50	103.95	408	130.80	50	172.70	124
86.95	2627	104.80	82	132.80	67	172.95	489
87.95	2534	105.75	414	134.95	138	174.00	40341
90.95	286	115.95	332	140.85	577	174.90	3213
91.95	2167	116.85	505	141.10	238	176.00	39165
93.00	3106	117.95	315	141.90	151	176.95	2949
94.00	7272	118.80	513	142.90	969	281.10	73
95.00	56845	127.80	56	144.95	206		

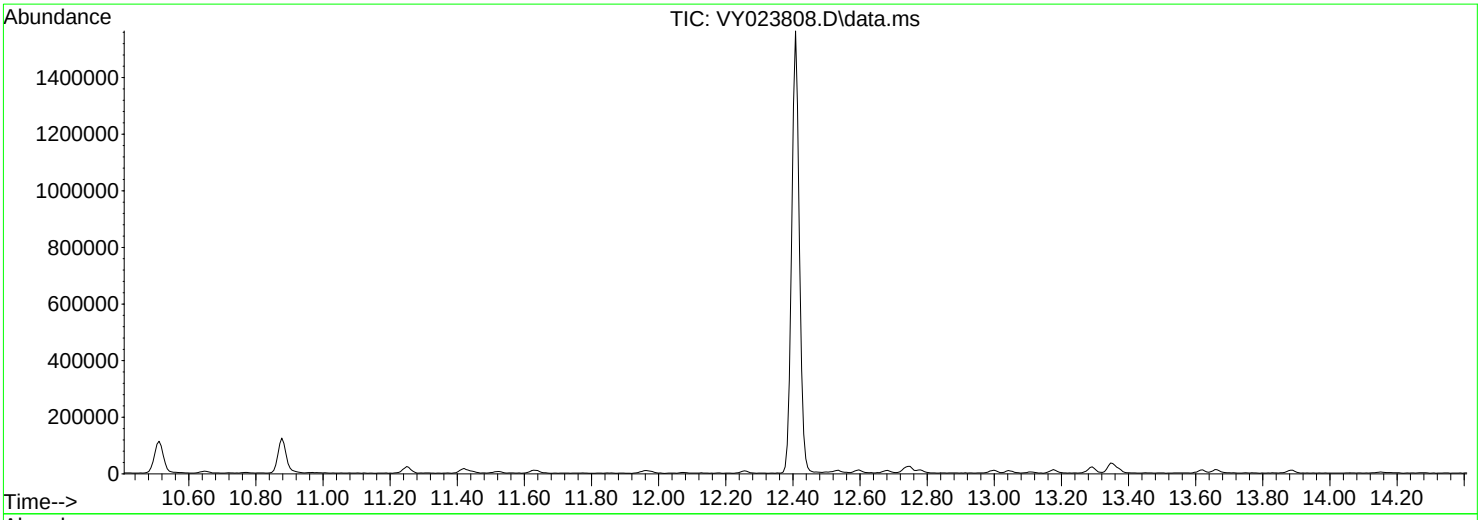
Sample Results: **VY023808.D**

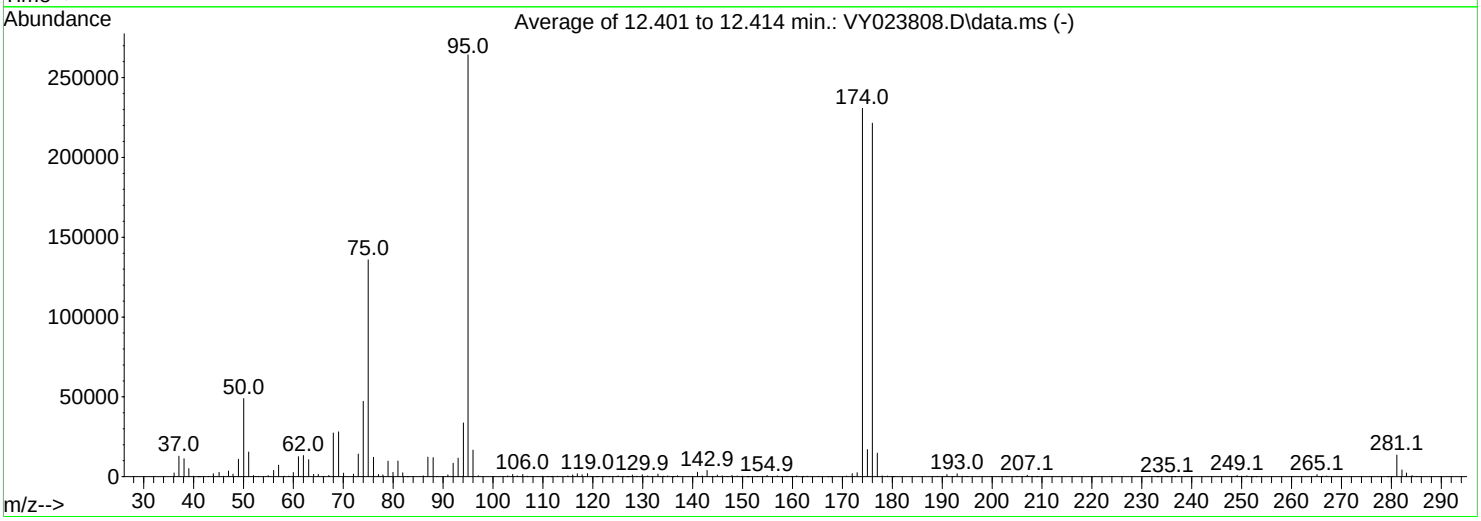
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023808.D
Acq On : 26 Nov 2025 07:11
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

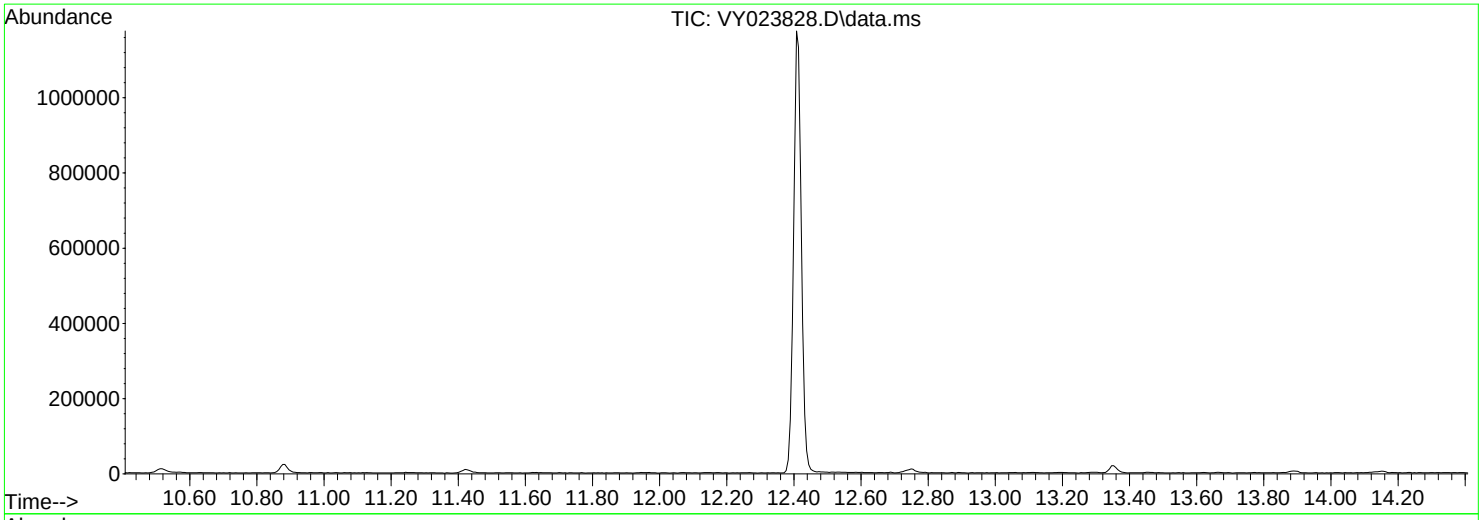
Sample Results: **VY023828.D**

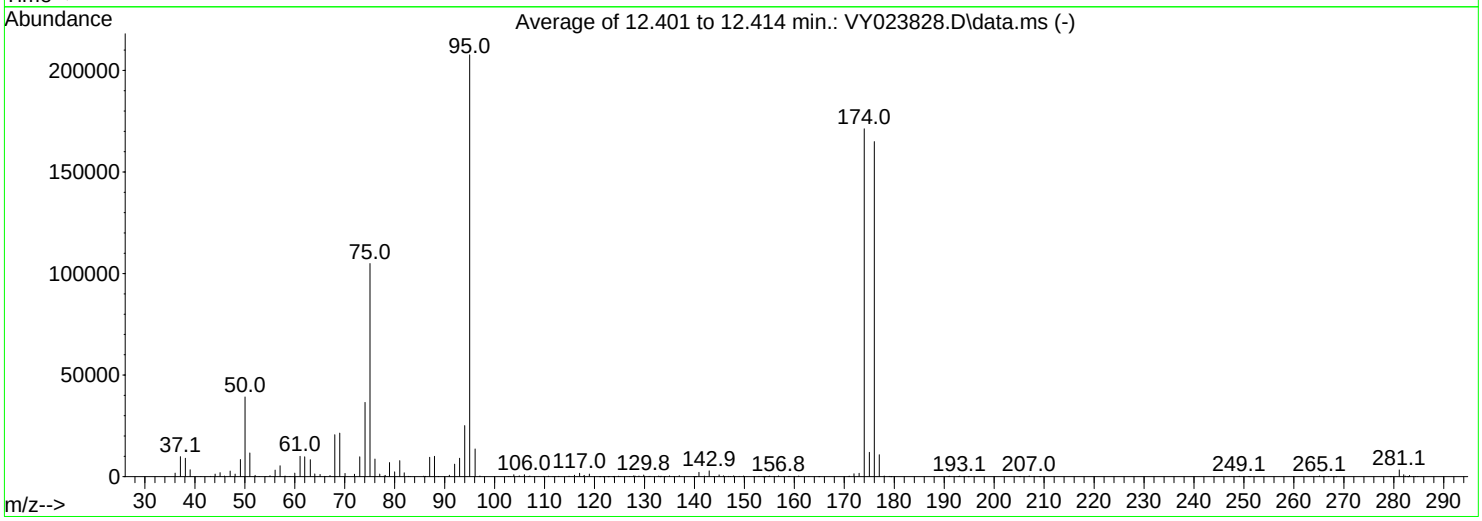
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023828.D
Acq On : 01 Dec 2025 07:24
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

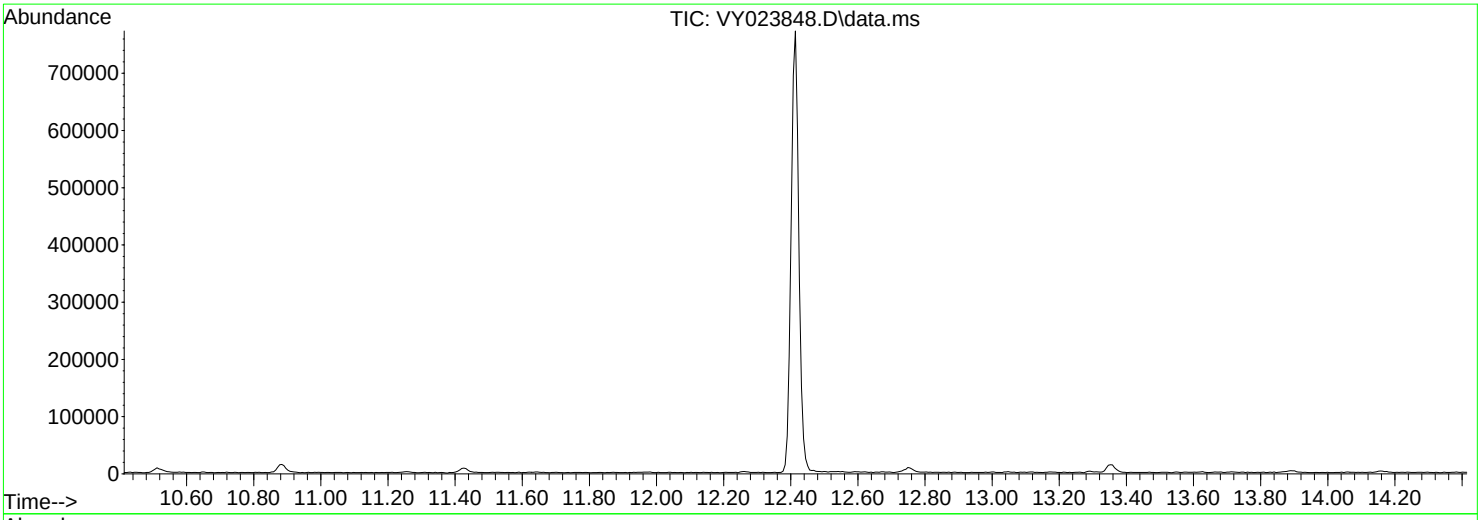
Sample Results: **VY023848.D**

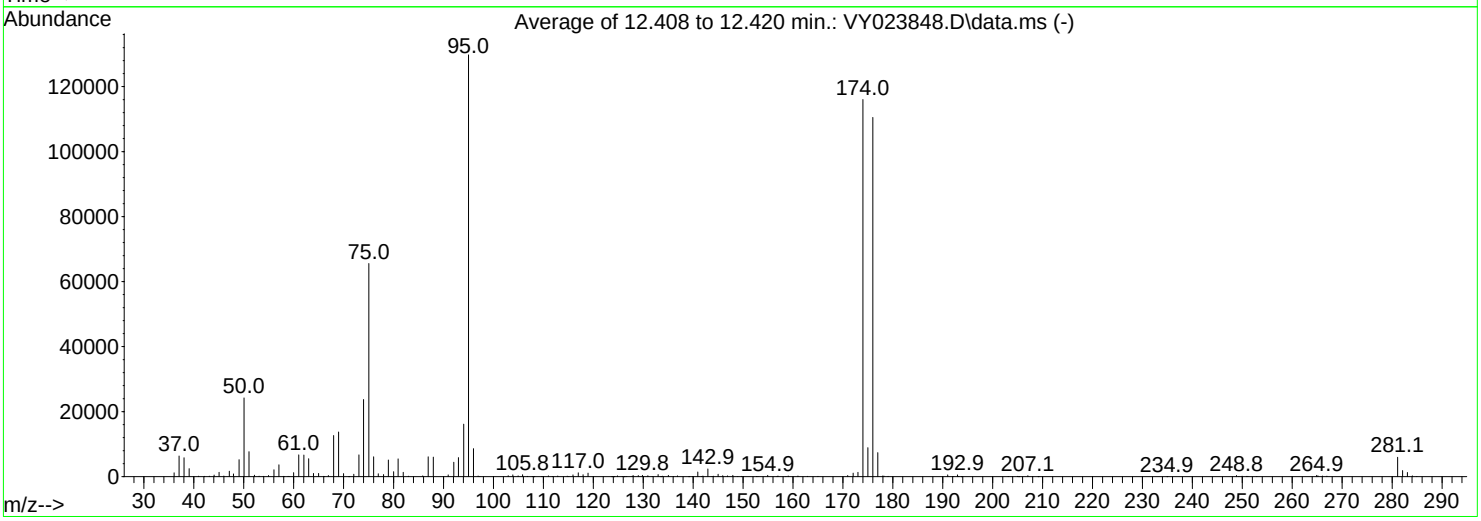
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023848.D
Acq On : 02 Dec 2025 06:50
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Raw Data: **VN088372.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBL01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBL01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/01/25 10:53	VN120125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/01/25 10:53	VN120125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/01/25 10:53	VN120125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/01/25 10:53	VN120125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/01/25 10:53	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/01/25 10:53	VN120125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	12/01/25 10:53	VN120125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/01/25 10:53	VN120125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/01/25 10:53	VN120125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/01/25 10:53	VN120125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/01/25 10:53	VN120125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/01/25 10:53	VN120125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/01/25 10:53	VN120125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	12/01/25 10:53	VN120125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/01/25 10:53	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/01/25 10:53	VN120125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/01/25 10:53	VN120125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/01/25 10:53	VN120125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	12/01/25 10:53	VN120125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	12/01/25 10:53	VN120125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125

Raw Data: **VN088372.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBL01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL 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	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/01/25 10:53	VN120125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/01/25 10:53	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			74 - 125	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	50.0			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.4			77 - 121	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	188000							
540-36-3	1,4-Difluorobenzene	435000							
3114-55-4	Chlorobenzene-d5	418000							
3855-82-1	1,4-Dichlorobenzene-d4	199000							

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_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Time: Dec 02 00:09:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

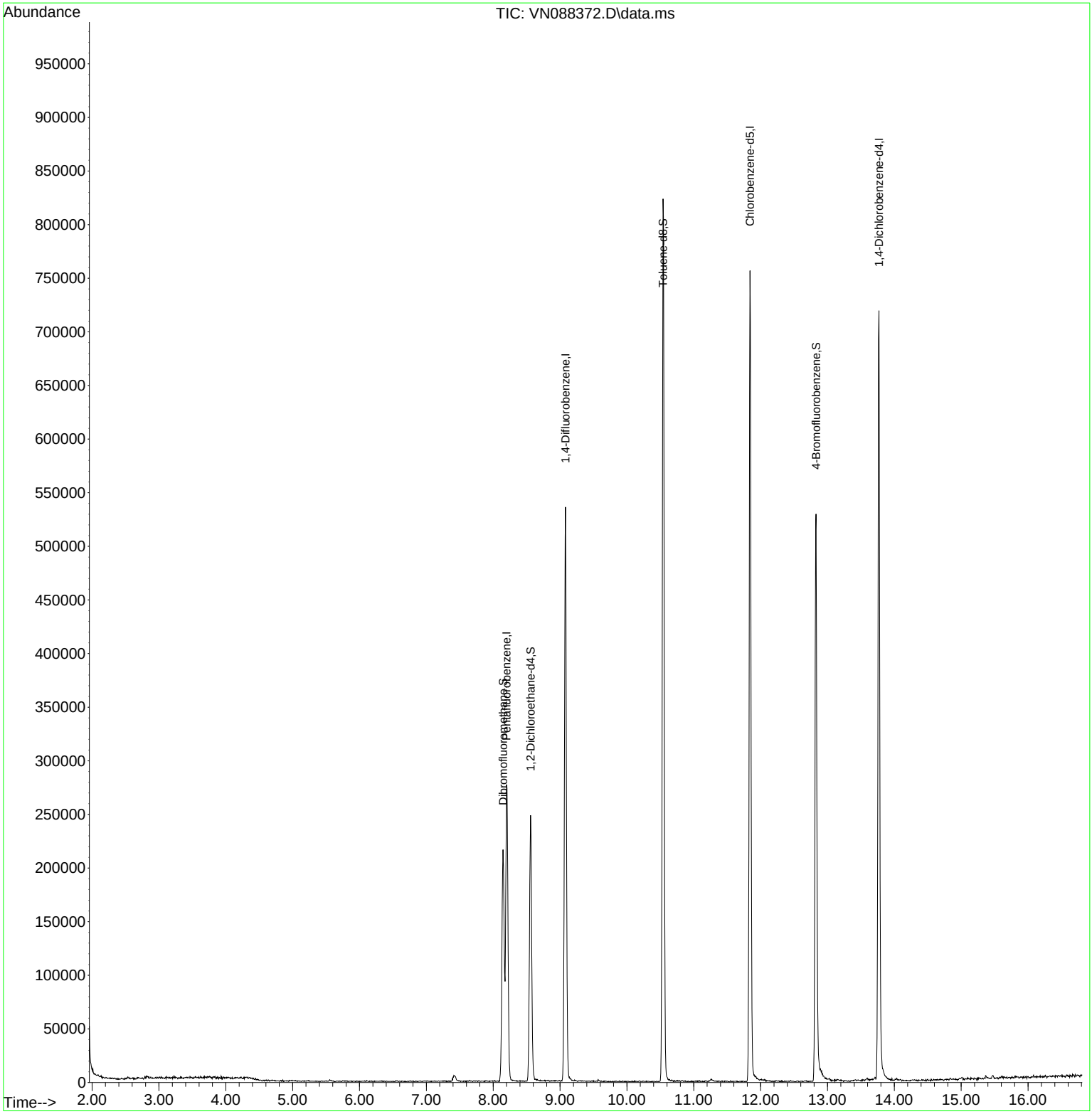
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	188076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	435319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	198799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204928	57.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.680%			
35) Dibromofluoromethane	8.147	113	157356	52.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.541	98	561082	49.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.829	95	201912	52.426	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.860%			
Target Compounds						Qvalue

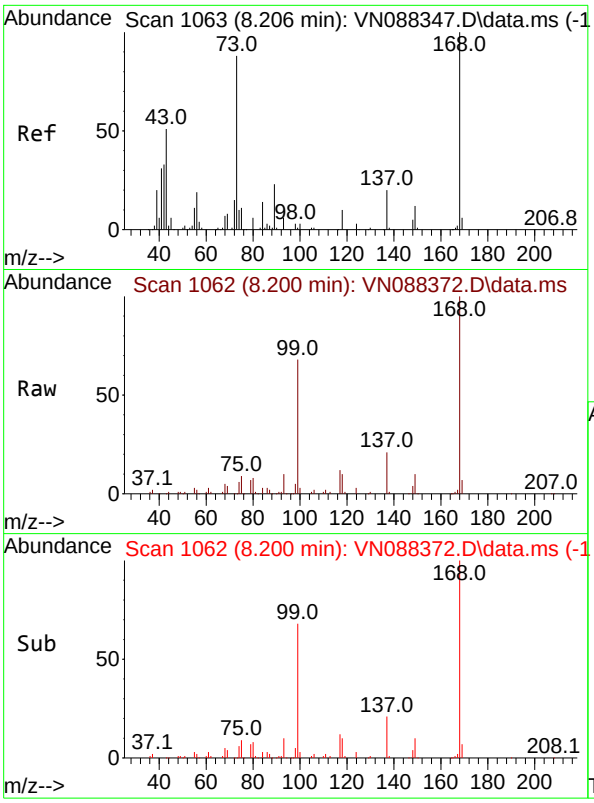
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Time: Dec 02 00:09:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



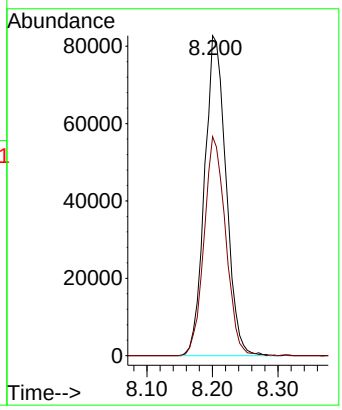


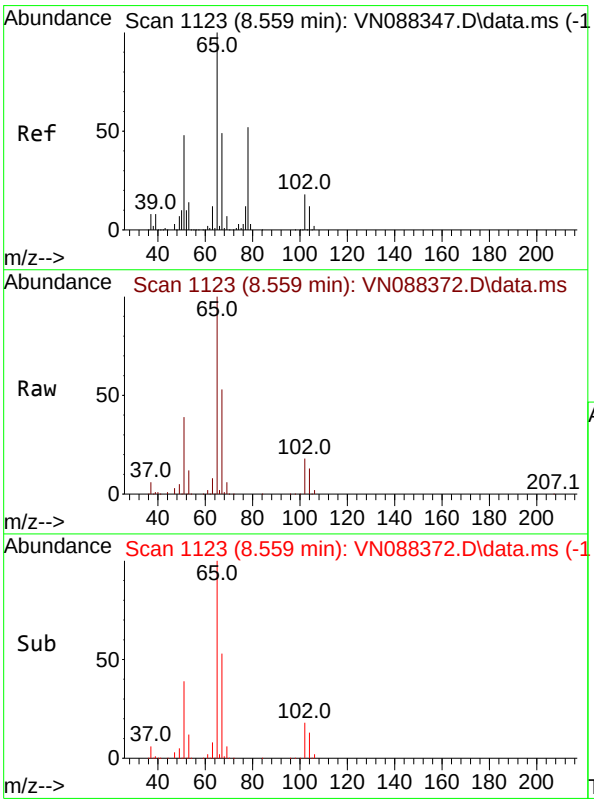
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion:168 Resp: 188076

Ion	Ratio	Lower	Upper
168	100		
99	68.5	57.1	85.7

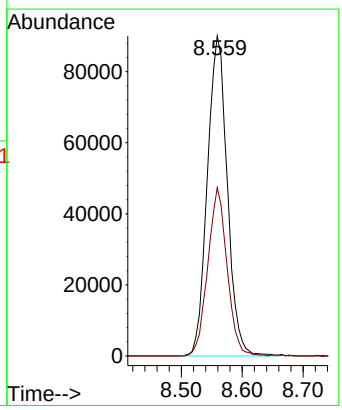


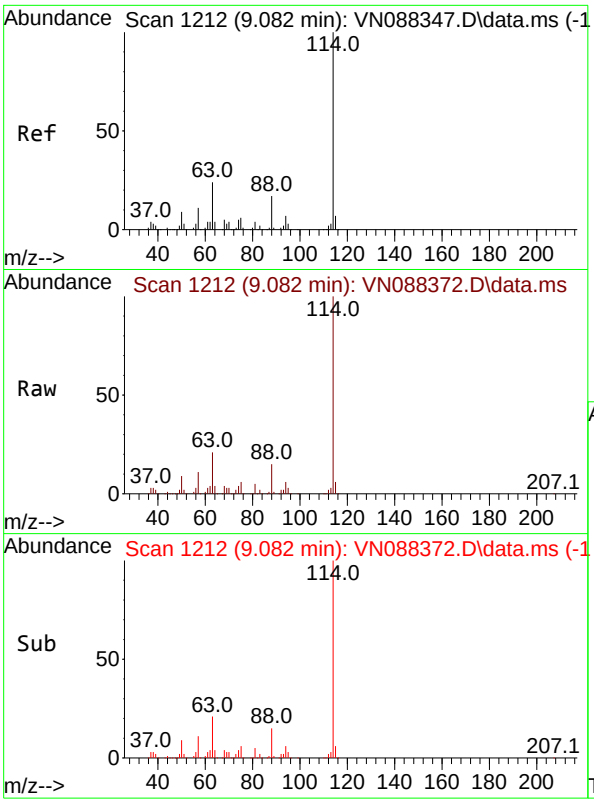


#33
1,2-Dichloroethane-d4
Concen: 57.841 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 65 Resp: 204928

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	100.8



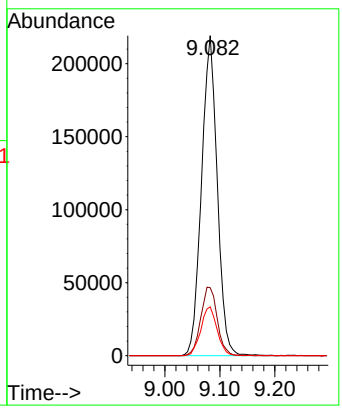


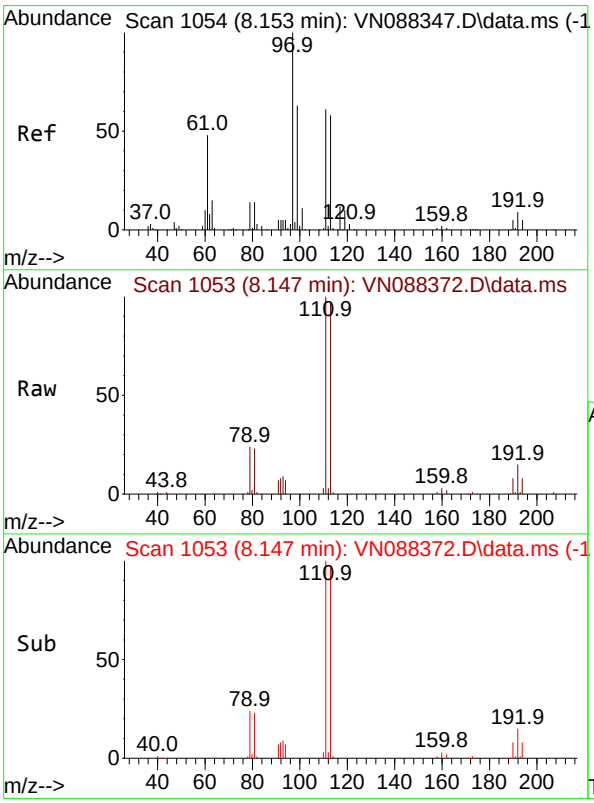
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion:114 Resp: 435319

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	49.0
88	15.3	0.0	34.0

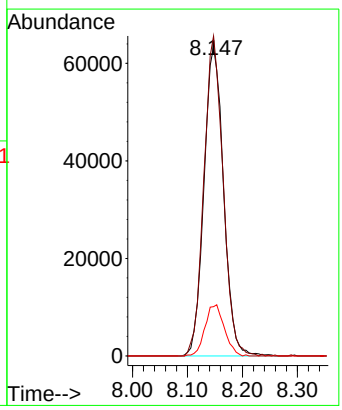


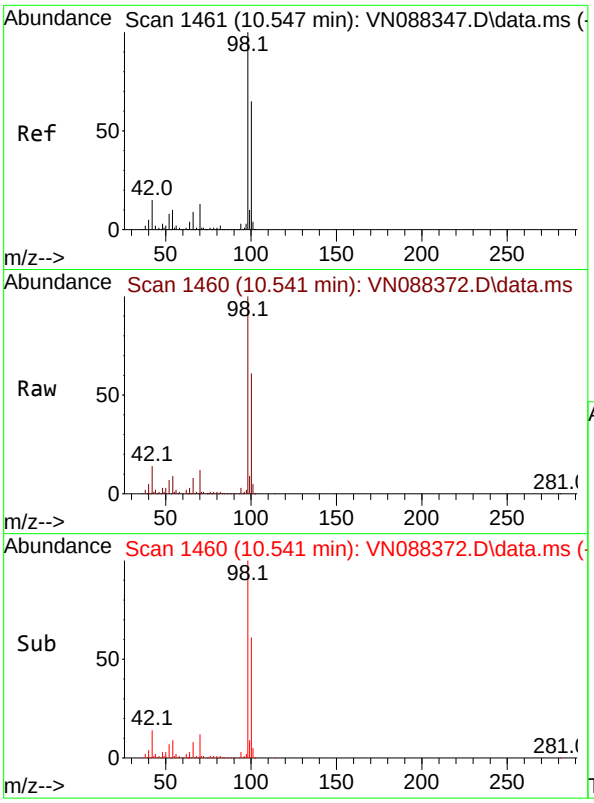


#35
Dibromofluoromethane
Concen: 52.161 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion:113 Resp: 157356

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.5	123.7
192	16.3	12.8	19.2



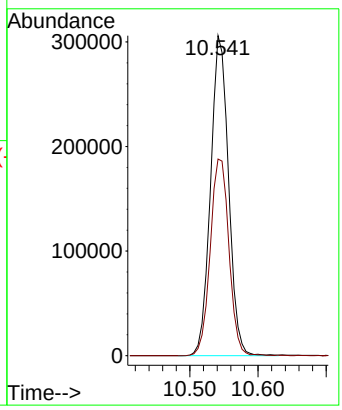


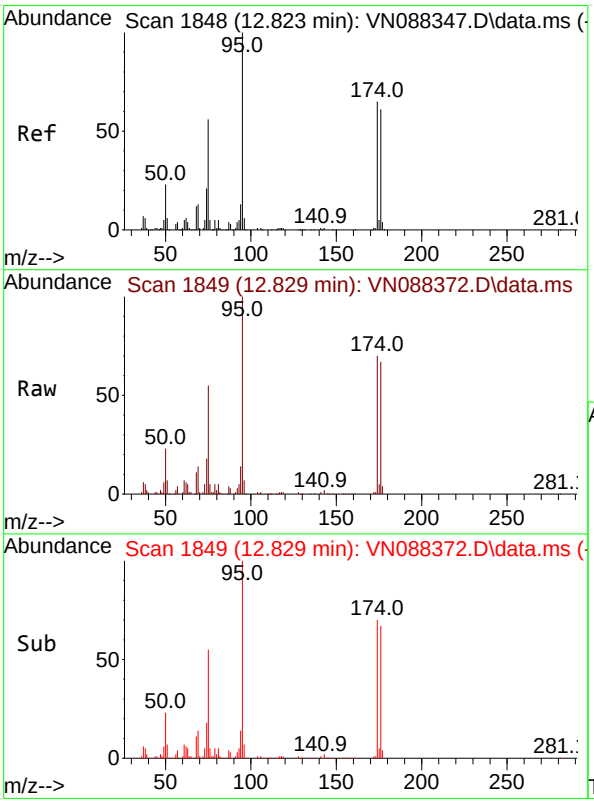
#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion: 98 Resp: 561082

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

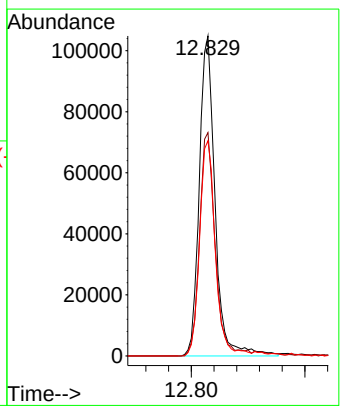


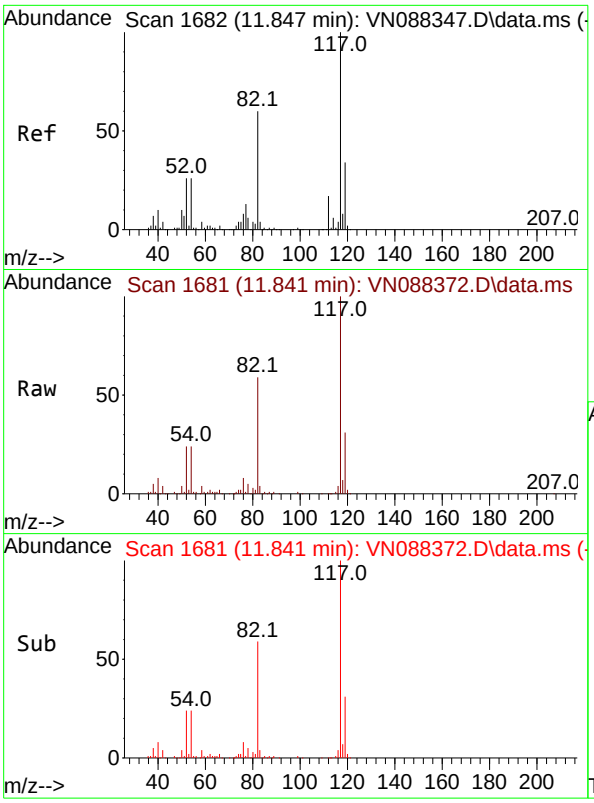


#62
4-Bromofluorobenzene
Concen: 52.426 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 95 Resp: 201912

Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	139.0
176	67.0	0.0	132.4



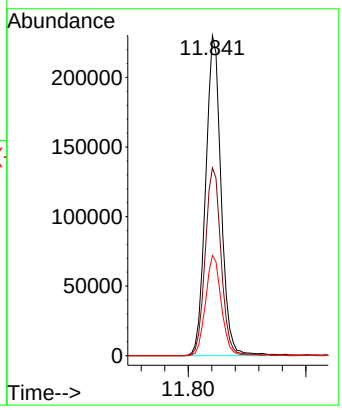


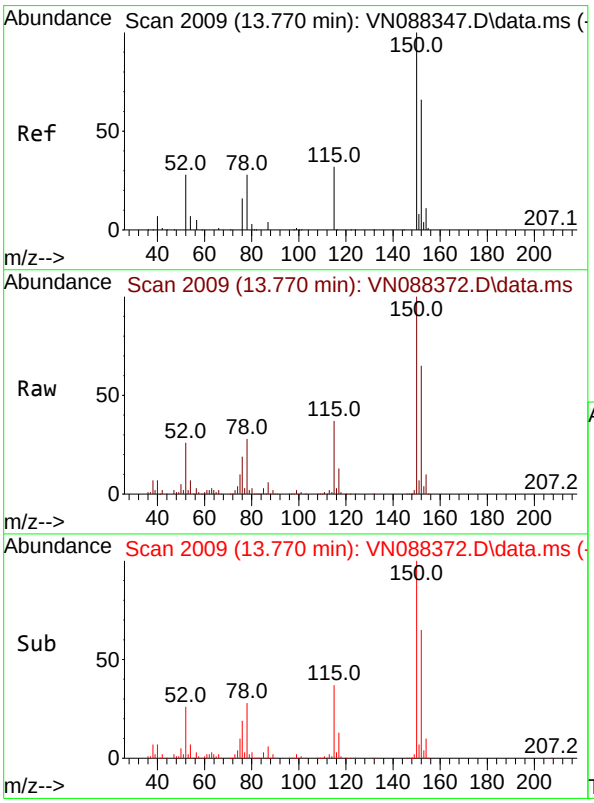
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion:117 Resp: 418422

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	31.3	26.9	40.3

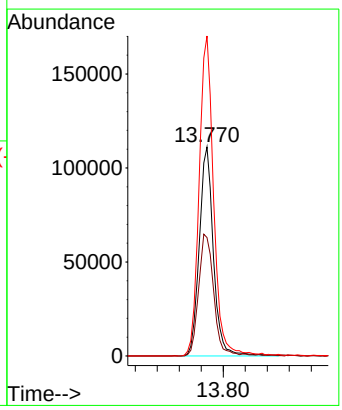




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion:152 Resp: 198799

Ion	Ratio	Lower	Upper
152	100		
115	62.5	33.0	98.9
150	156.8	0.0	349.0



Sample Results: **VN088372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

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_N\methods\82N112425W.M
Title : SW846 8260

Signal : TIC: VN088372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.412	921	928	937	rBV3	5682	16399	1.06%	0.202%
2	8.147	1042	1053	1058	rBV2	216362	540527	34.79%	6.646%
3	8.200	1058	1062	1077	rVB	276320	627960	40.42%	7.721%
4	8.559	1114	1123	1133	rBV	247884	561166	36.12%	6.900%
5	9.082	1203	1212	1228	rBV	535181	1099272	70.76%	13.516%
6	10.541	1452	1460	1475	rBV	822937	1553554	100.00%	19.101%
7	11.841	1672	1681	1694	rBV	756205	1399467	90.08%	17.207%
8	12.829	1841	1849	1859	rBV	529059	1004686	64.67%	12.353%
9	13.770	2001	2009	2027	rBV	716850	1330258	85.63%	16.356%

Sum of corrected areas: 8133289

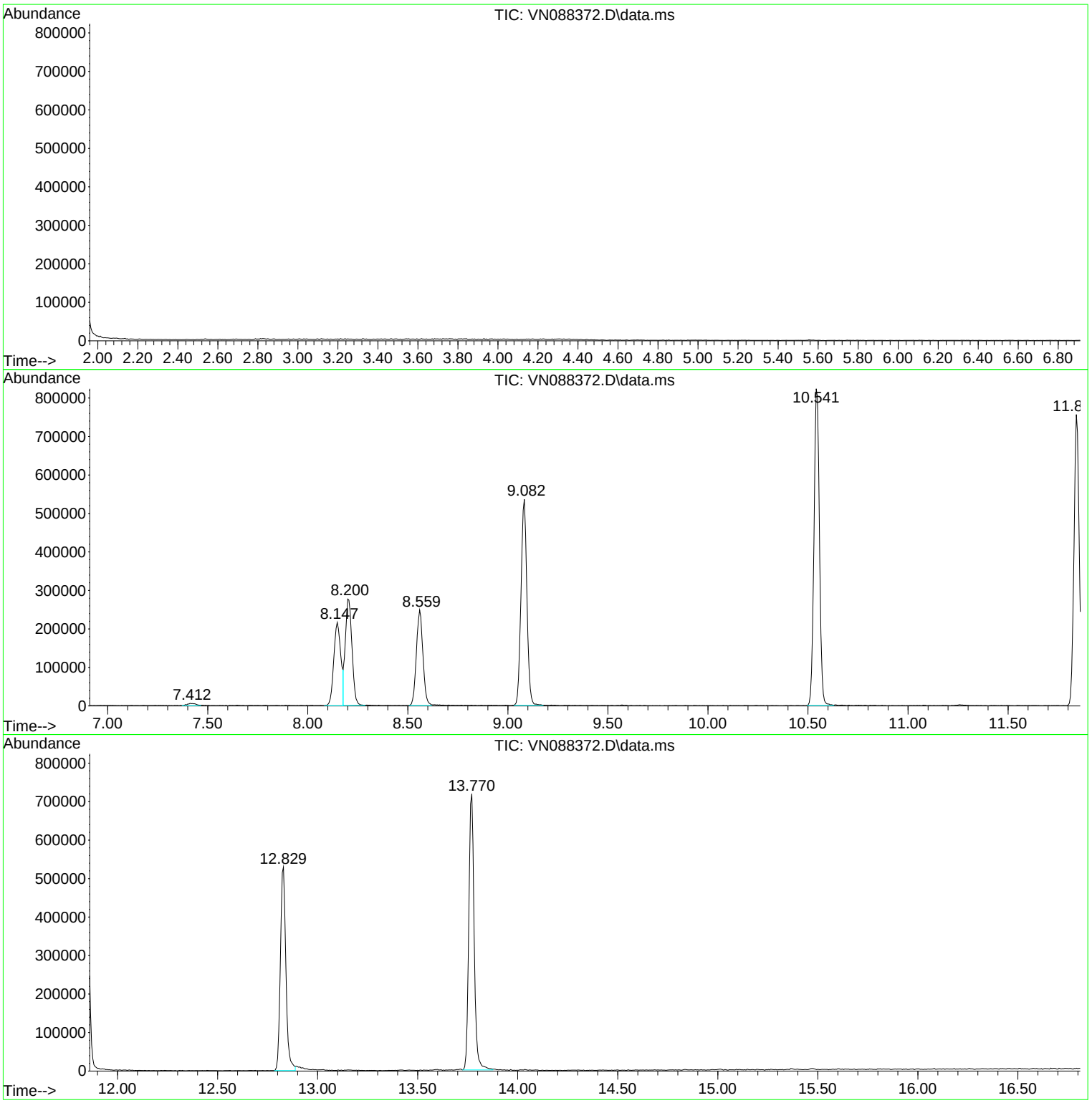
Sample Results: **VN088372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN088372.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.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: **VY023830.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBL01	SDG No.:	Q3741
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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBL01	SDG No.:	Q3741
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

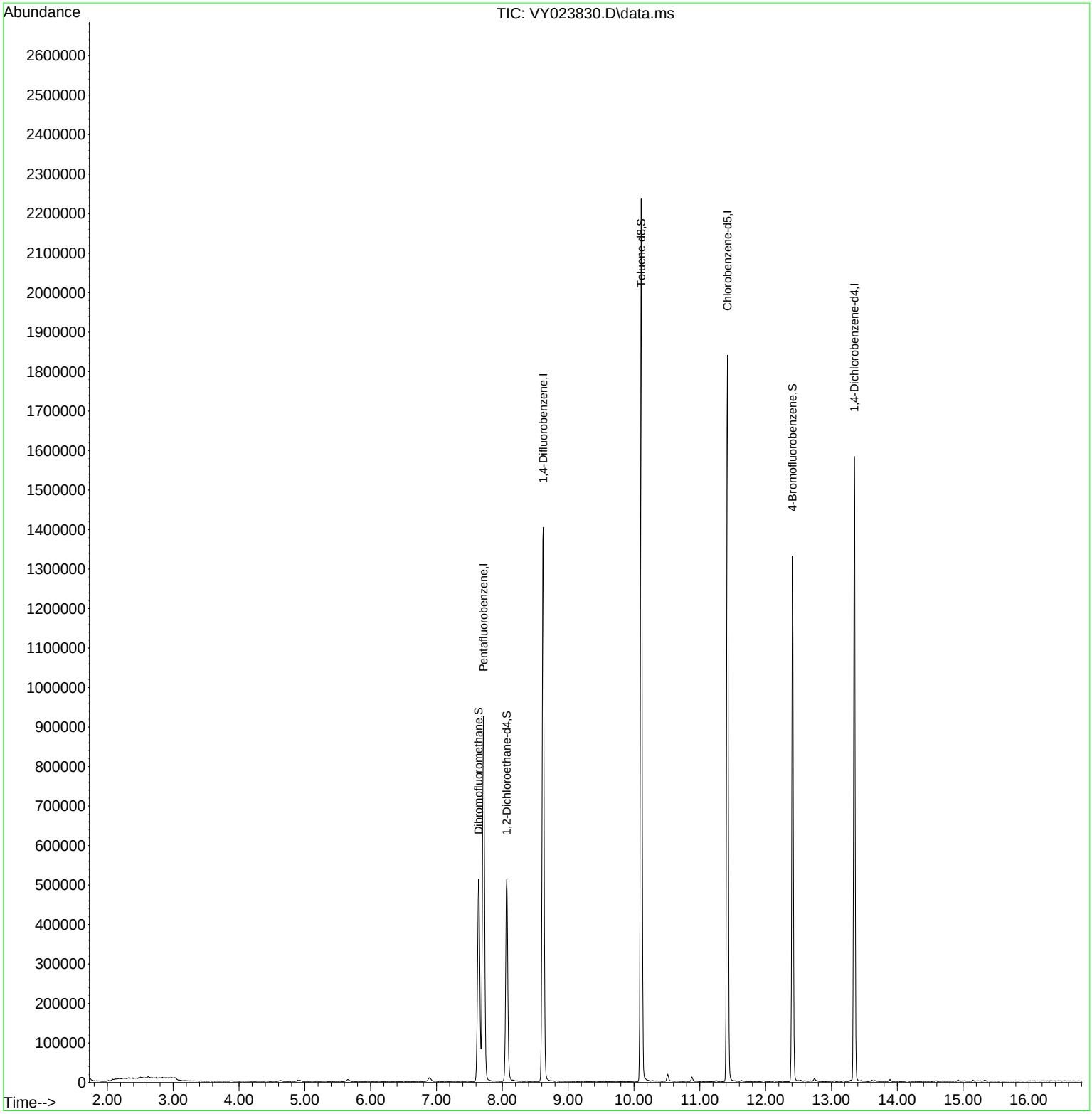
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	719047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1221329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	995220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	399677	50.000	ug/l	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

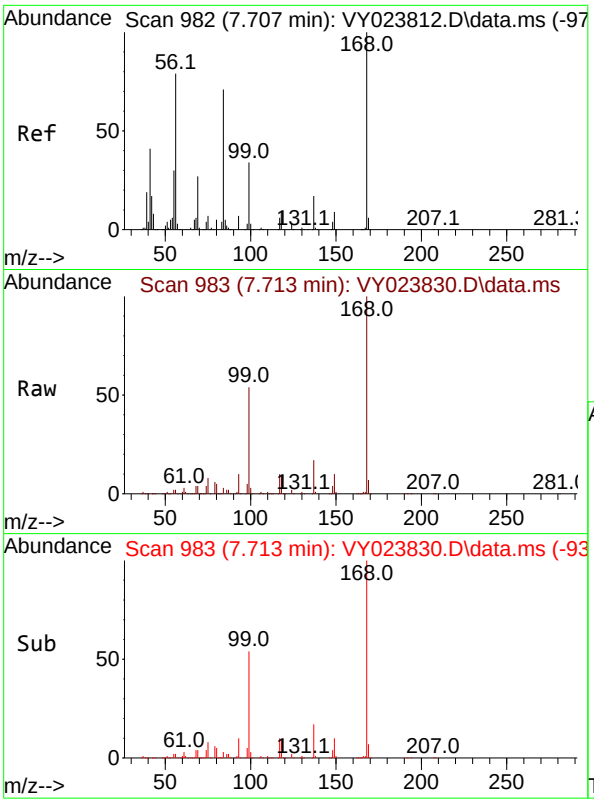
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



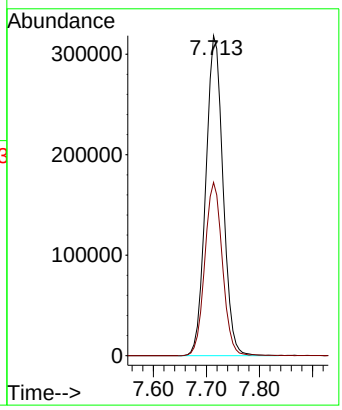


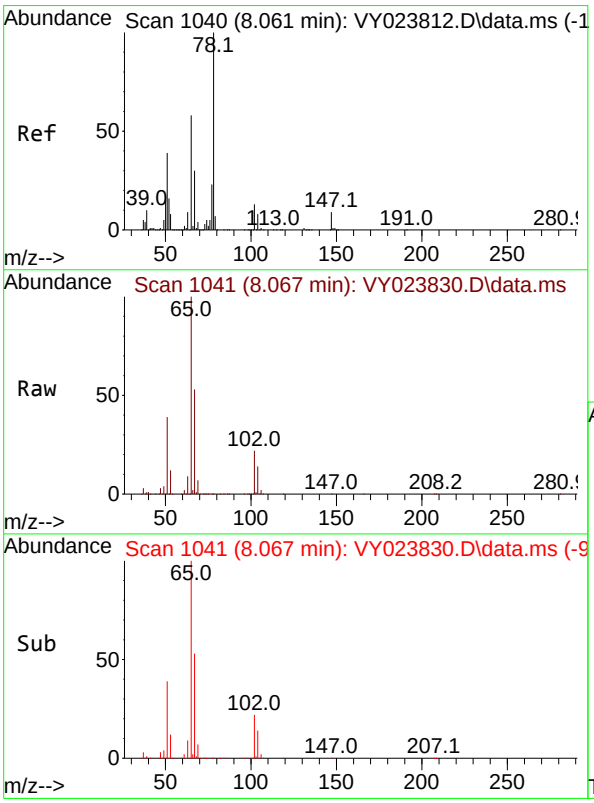
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion:168 Resp: 719047

Ion	Ratio	Lower	Upper
168	100		
99	54.1	44.0	66.0

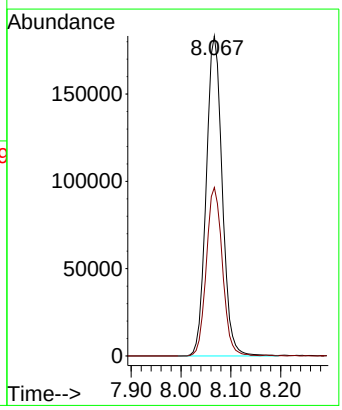


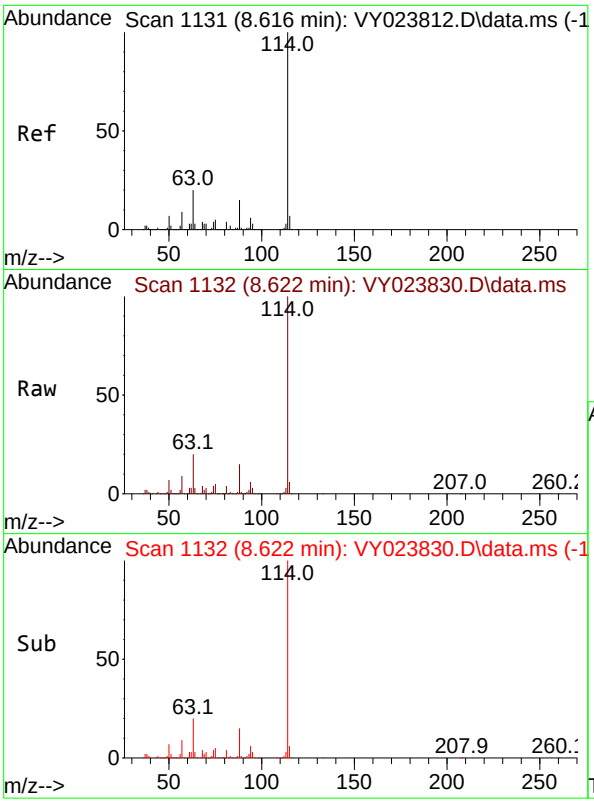


#33
1,2-Dichloroethane-d4
Concen: 58.278 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 65 Resp: 408084

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4



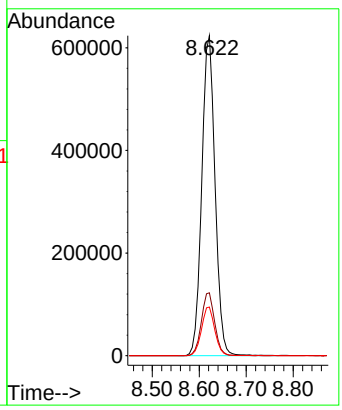


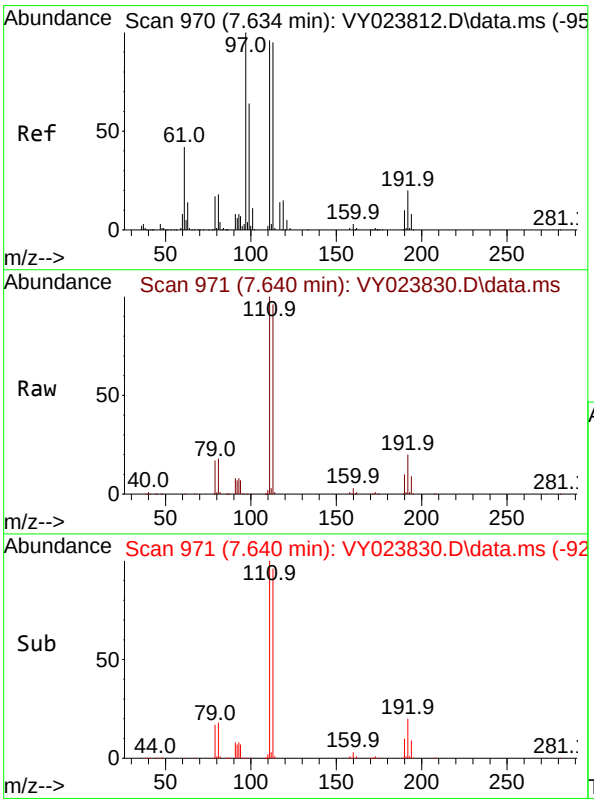
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

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

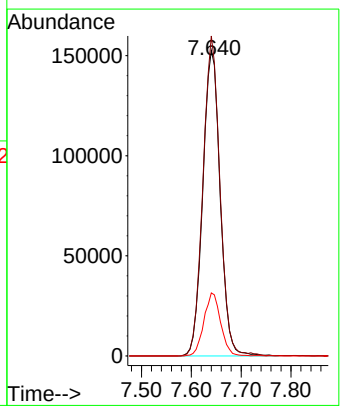


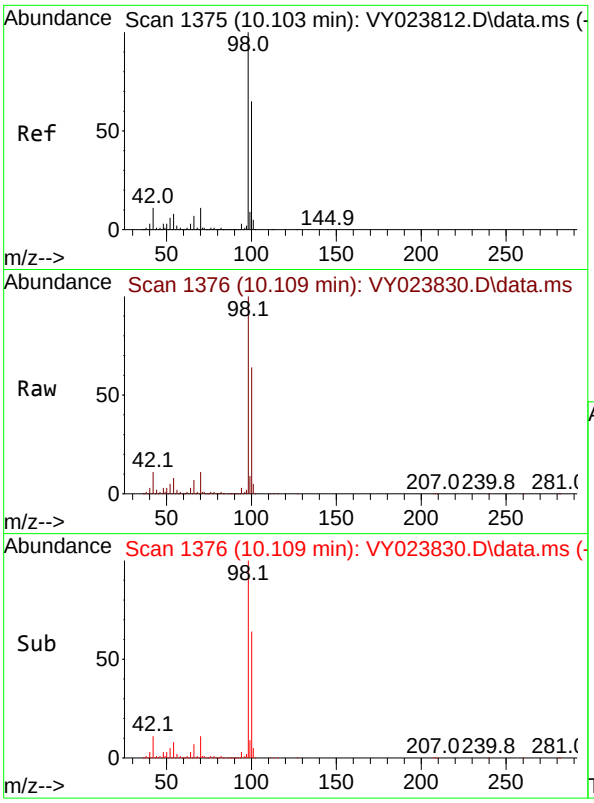


#35
Dibromofluoromethane
Concen: 50.991 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

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



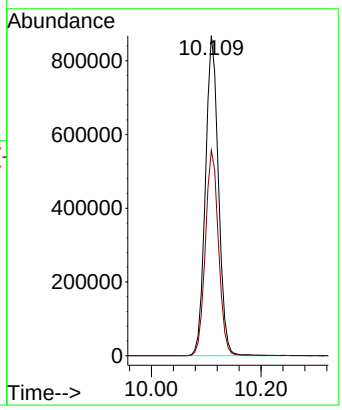


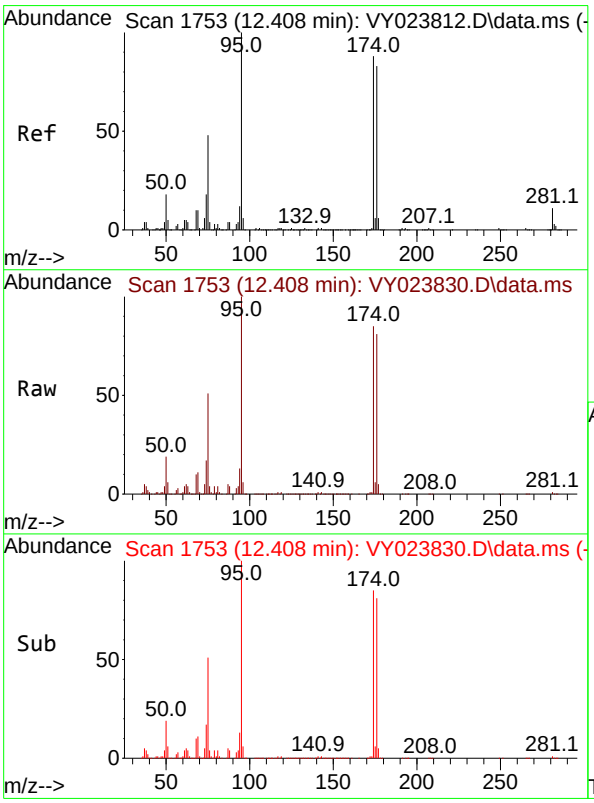
#50
Toluene-d8
Concen: 49.536 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion: 98 Resp: 1423543

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9

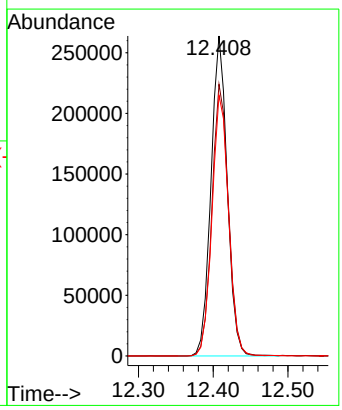


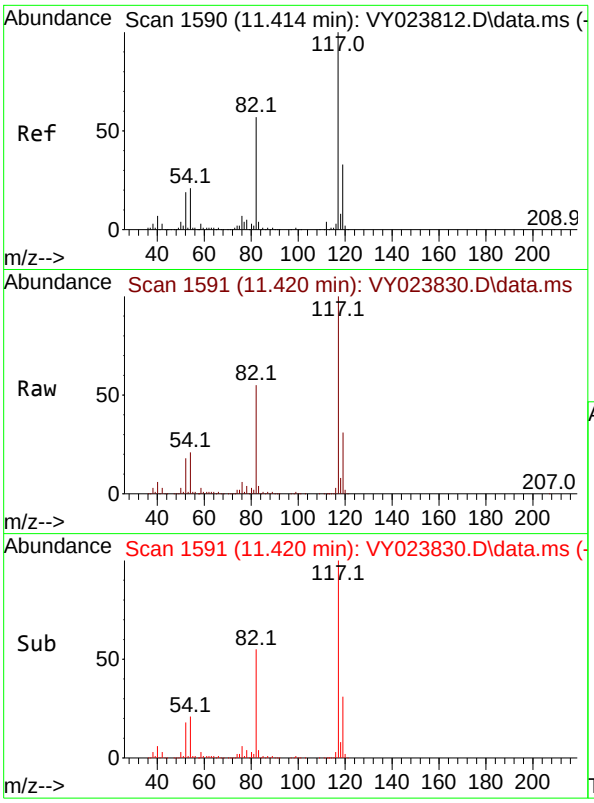


#62
4-Bromofluorobenzene
Concen: 42.228 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

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



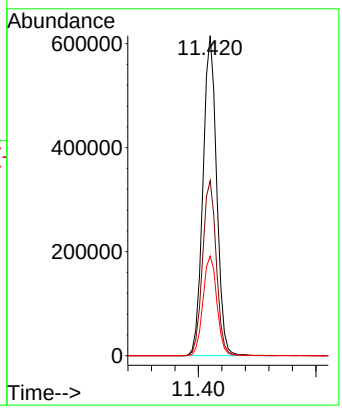


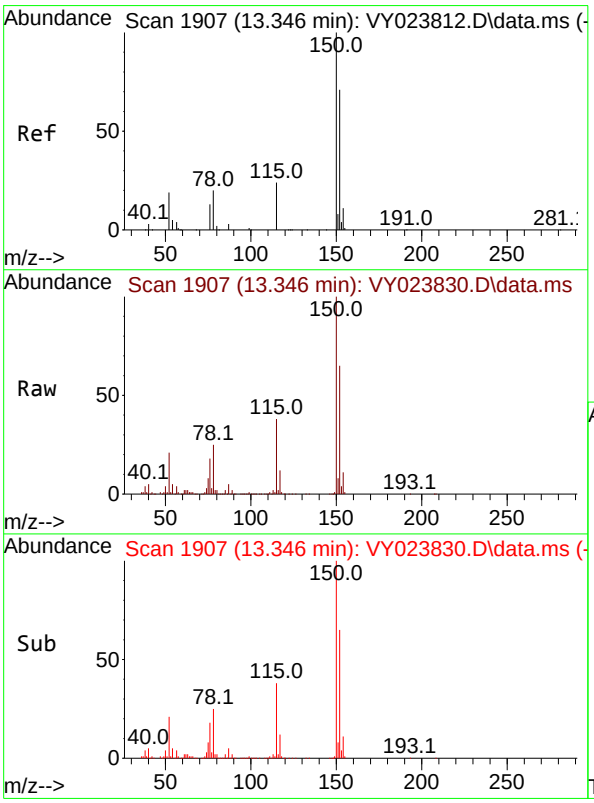
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

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

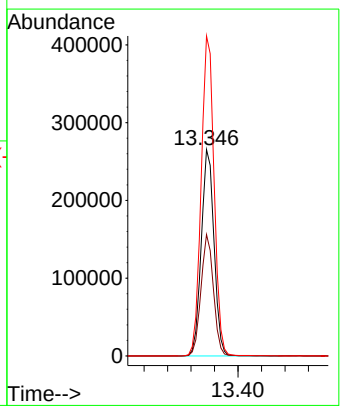




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

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

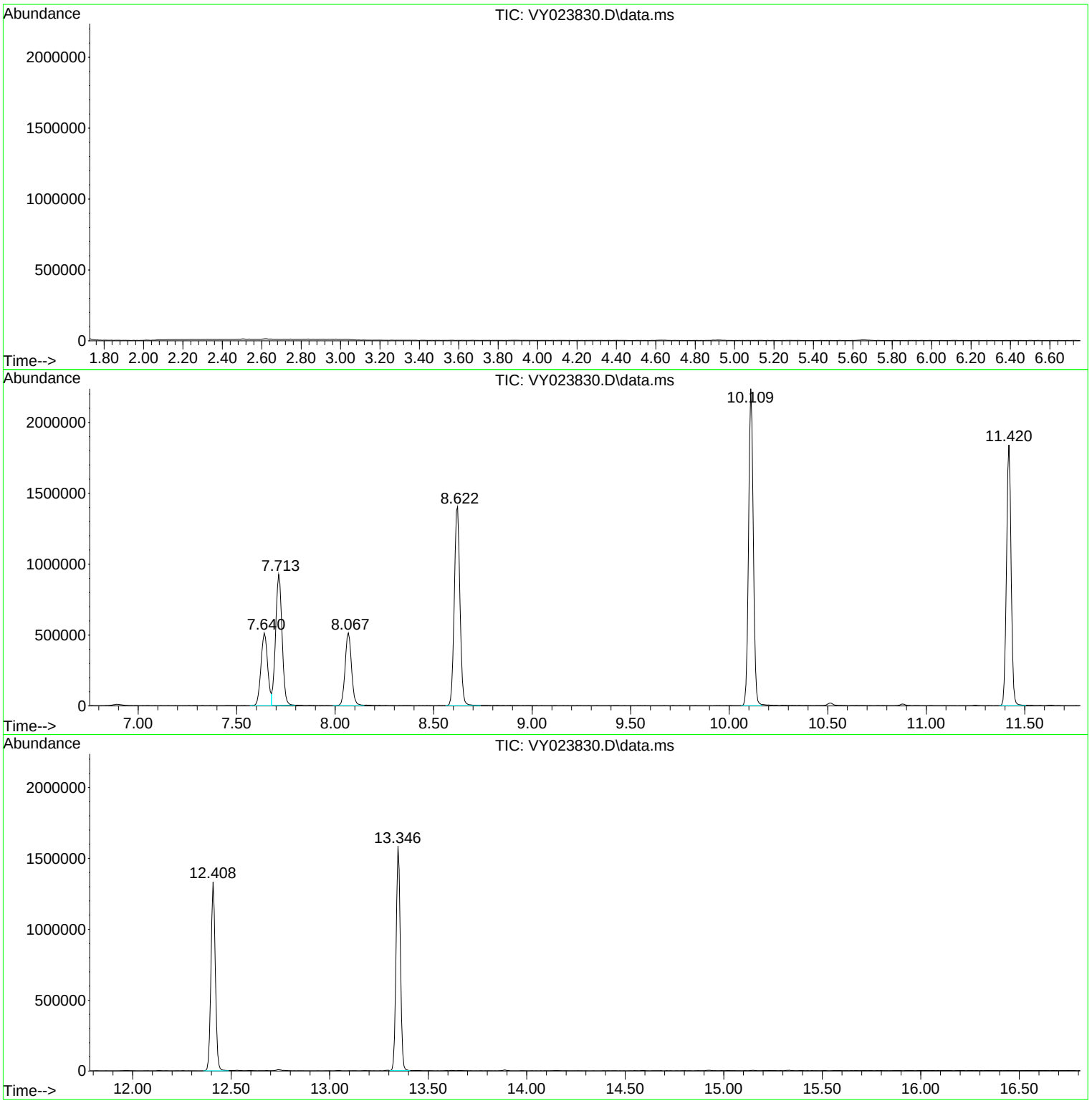
Sample Results: **VY023830.D**

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1202SBL01	SDG No.:	Q3741
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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1202SBL01	SDG No.:	Q3741
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%			

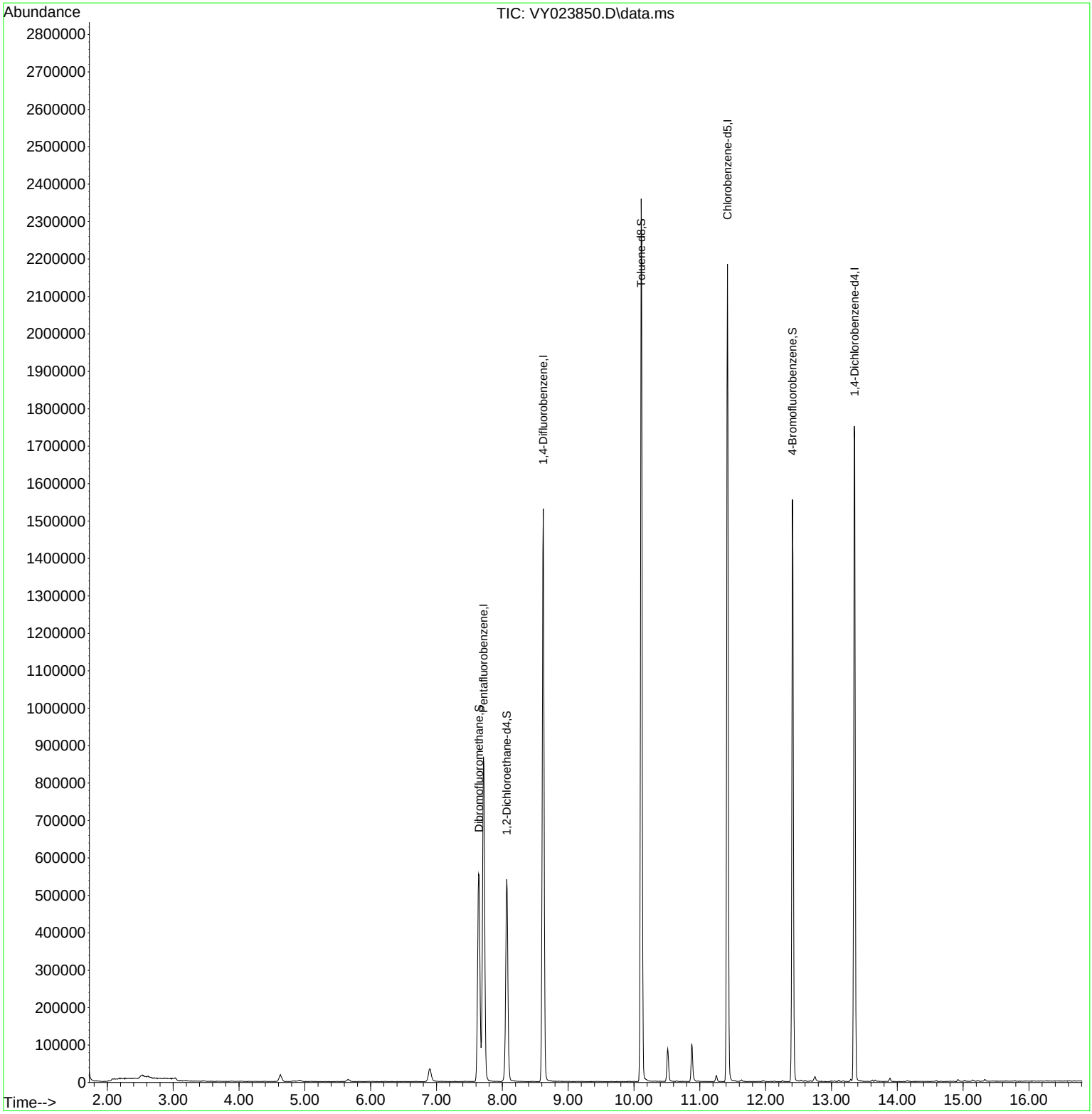
Target Compounds Qvalue

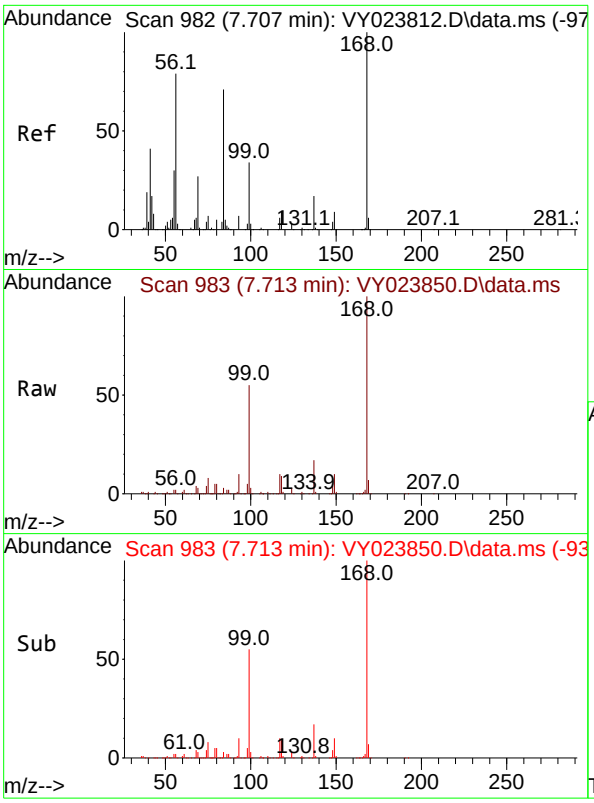
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



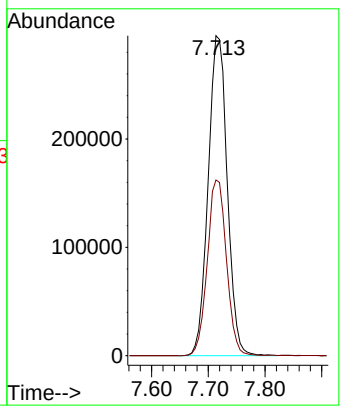


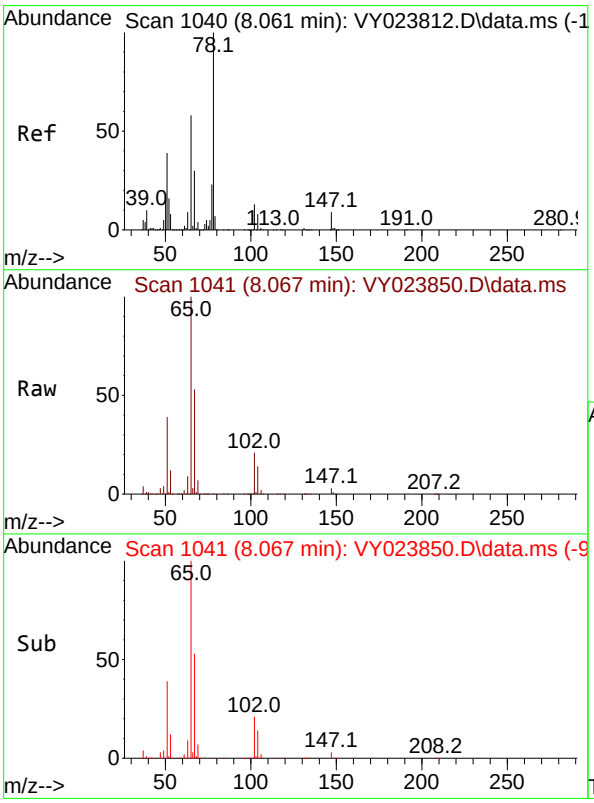
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion:168 Resp: 690111

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.0	66.0

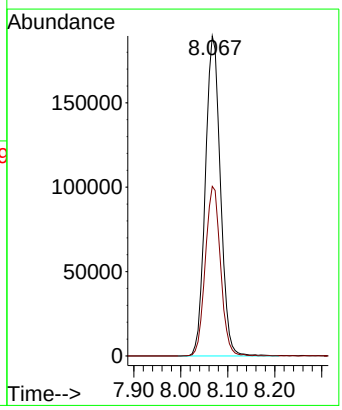


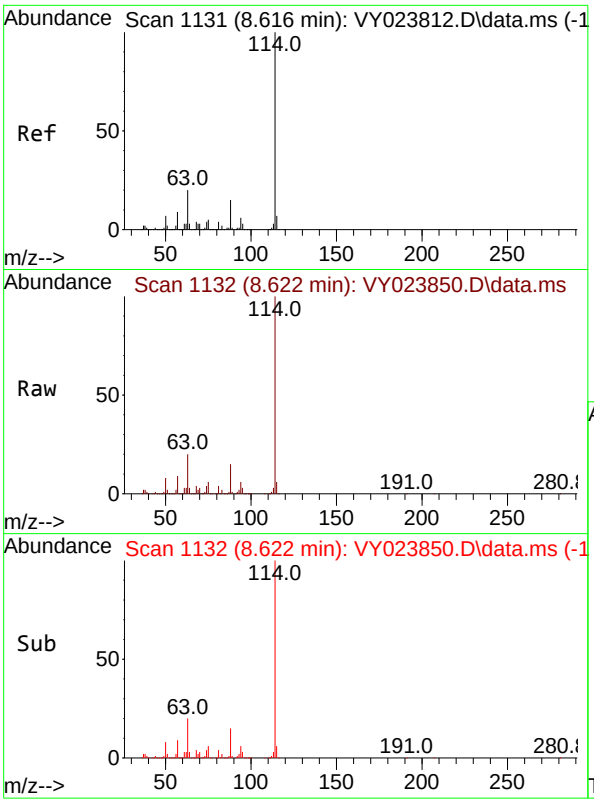


#33
1,2-Dichloroethane-d4
Concen: 62.714 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Tgt Ion: 65 Resp: 421477

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4



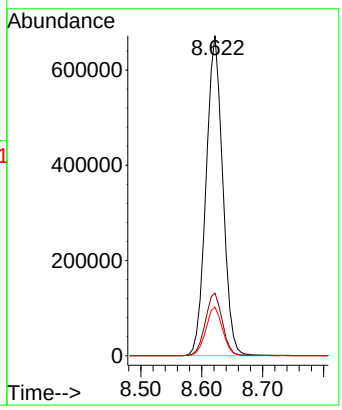


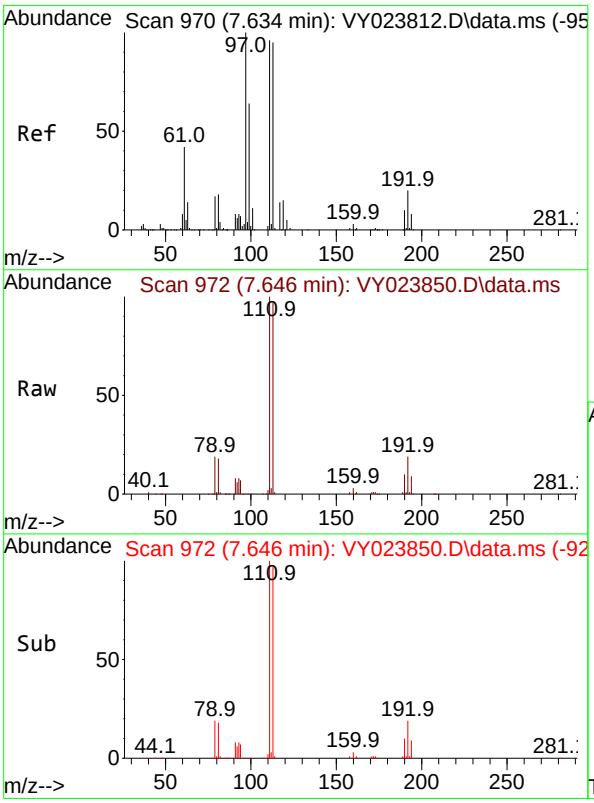
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

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

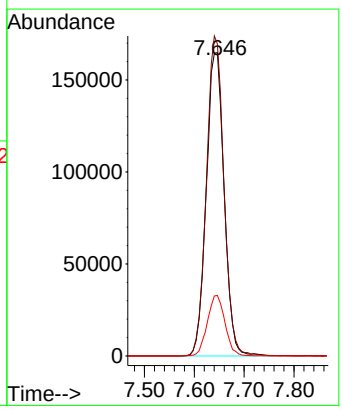


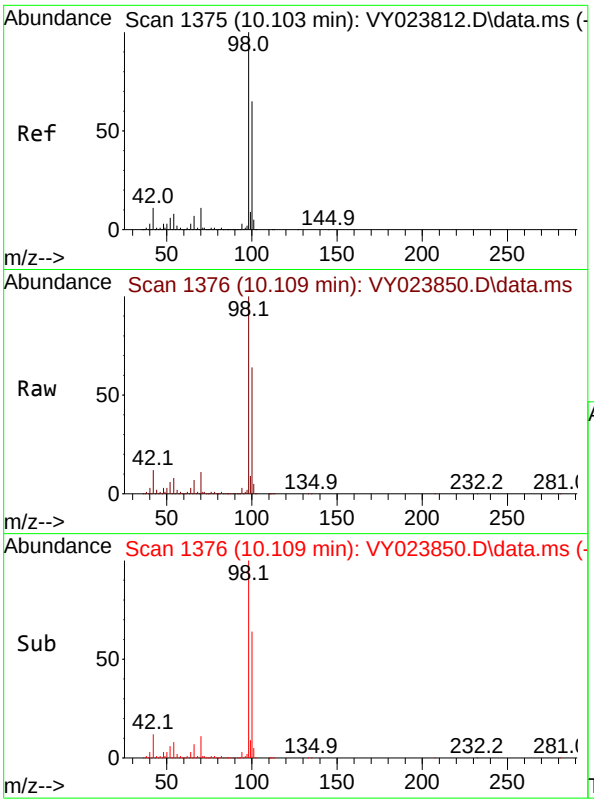


#35
Dibromofluoromethane
Concen: 54.164 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

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



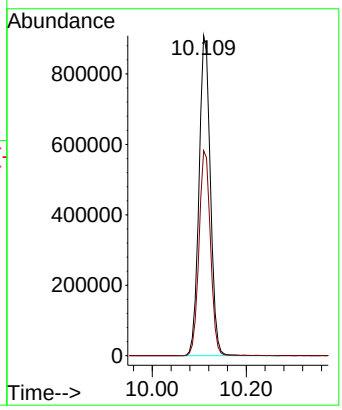


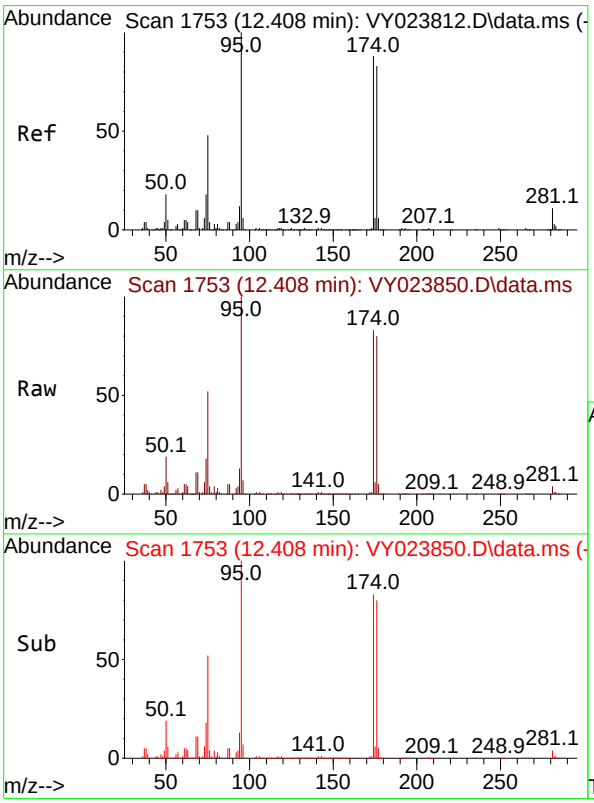
#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1202SBL01

Tgt Ion: 98 Resp: 1524404

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

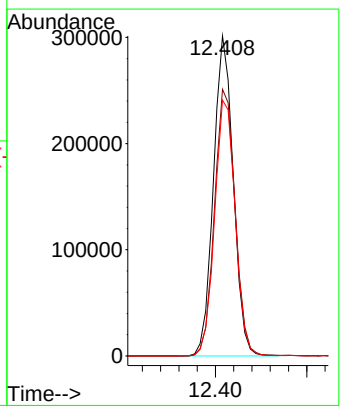


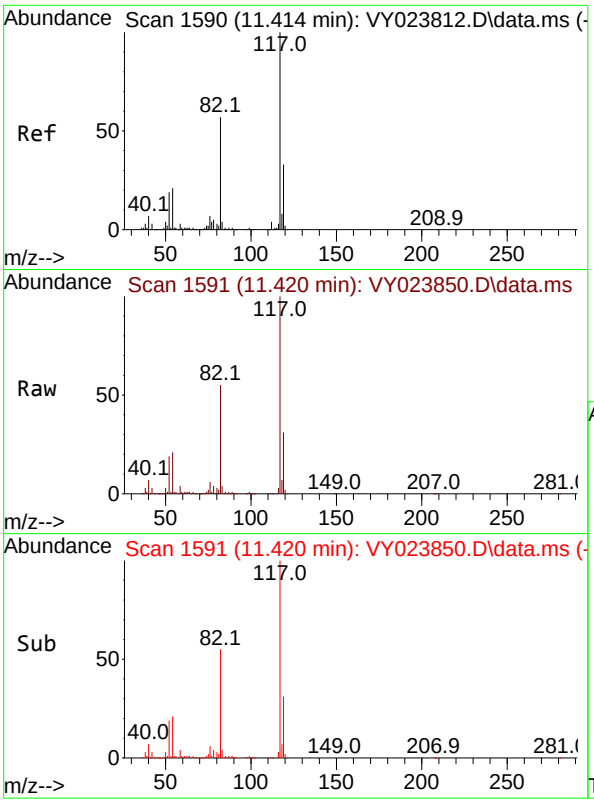


#62
4-Bromofluorobenzene
Concen: 45.904 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

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



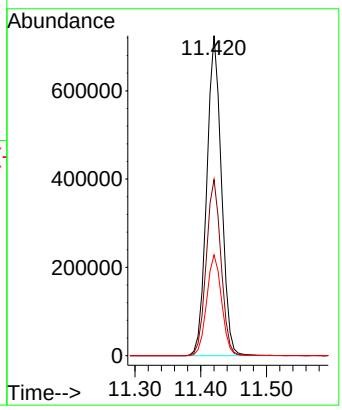


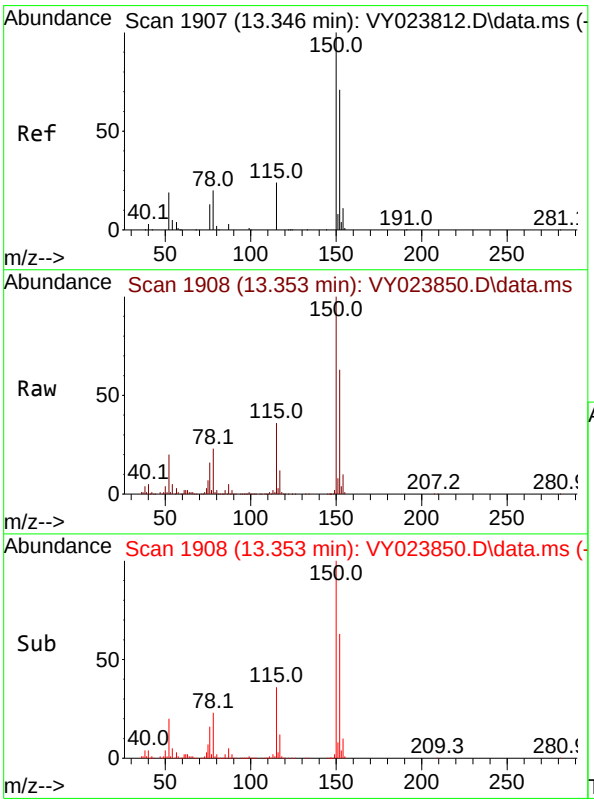
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

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

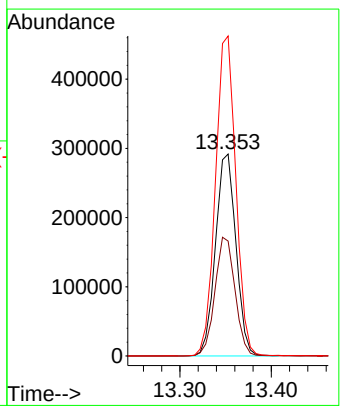




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023850.D
Acq: 02 Dec 2025 10:24

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

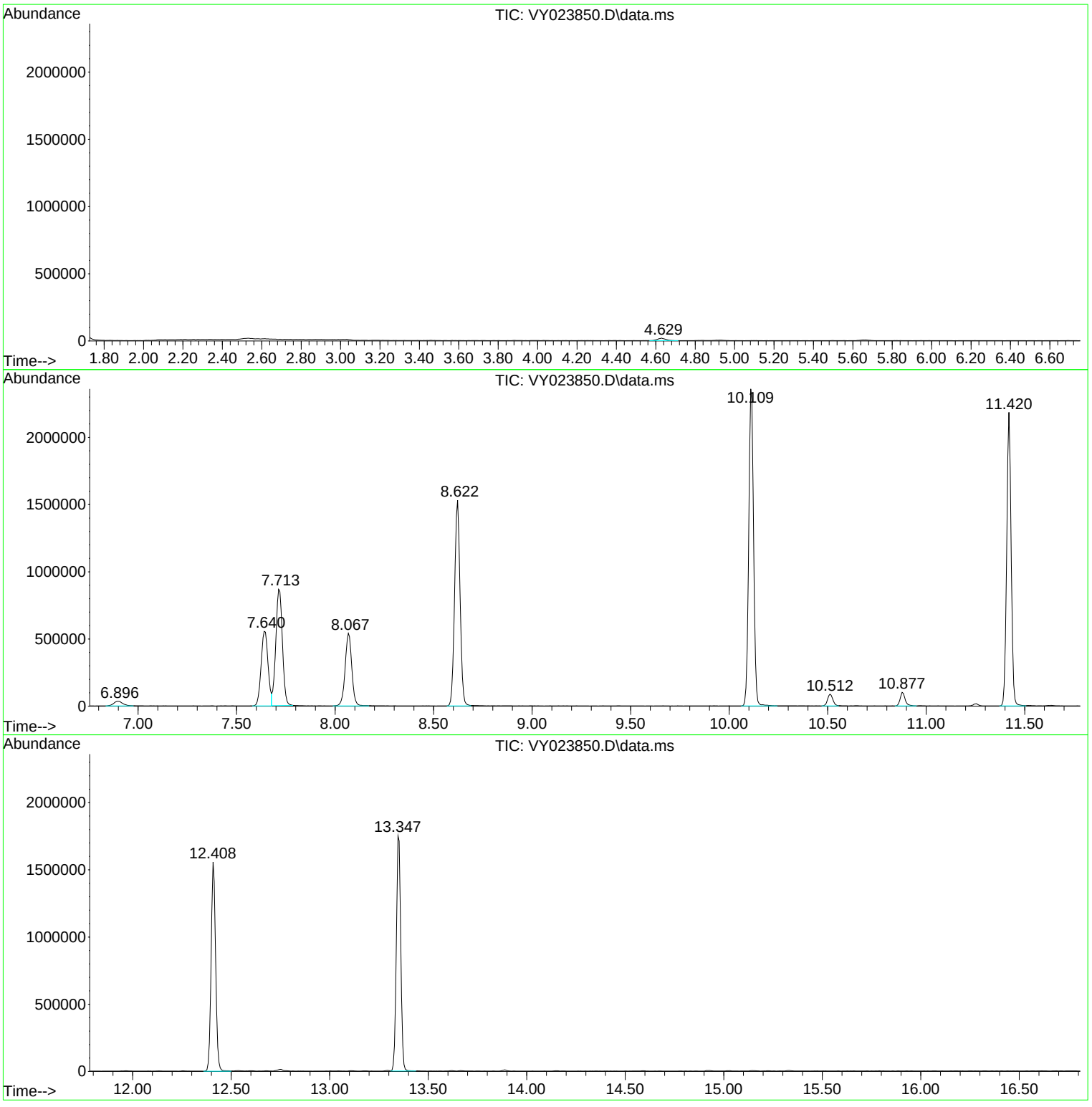
Sample Results: **VY023850.D**

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: **VN088373.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBS01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBS01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	18.2		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
74-87-3	Chloromethane	19.4		1	0.32	1.00	ug/L	12/01/25 11:27	VN120125
75-01-4	Vinyl Chloride	18.9		1	0.26	1.00	ug/L	12/01/25 11:27	VN120125
74-83-9	Bromomethane	19.7		1	1.40	5.00	ug/L	12/01/25 11:27	VN120125
75-00-3	Chloroethane	19.5		1	0.47	1.00	ug/L	12/01/25 11:27	VN120125
75-69-4	Trichlorofluoromethane	18.6		1	0.33	1.00	ug/L	12/01/25 11:27	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
75-35-4	1,1-Dichloroethene	19.0		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
67-64-1	Acetone	87.9		1	1.50	5.00	ug/L	12/01/25 11:27	VN120125
75-15-0	Carbon Disulfide	19.4		1	0.21	1.00	ug/L	12/01/25 11:27	VN120125
1634-04-4	Methyl tert-butyl Ether	19.9		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
79-20-9	Methyl Acetate	19.1		1	0.27	1.00	ug/L	12/01/25 11:27	VN120125
75-09-2	Methylene Chloride	20.0		1	0.28	1.00	ug/L	12/01/25 11:27	VN120125
156-60-5	trans-1,2-Dichloroethene	19.6		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
75-34-3	1,1-Dichloroethane	19.8		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
110-82-7	Cyclohexane	17.9		1	1.50	5.00	ug/L	12/01/25 11:27	VN120125
78-93-3	2-Butanone	96.0		1	0.98	5.00	ug/L	12/01/25 11:27	VN120125
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
156-59-2	cis-1,2-Dichloroethene	20.1		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125
74-97-5	Bromochloromethane	19.3		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
67-66-3	Chloroform	20.3		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
108-87-2	Methylcyclohexane	17.1		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
71-43-2	Benzene	19.4		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125
107-06-2	1,2-Dichloroethane	19.6		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
79-01-6	Trichloroethene	18.8		1	0.090	1.00	ug/L	12/01/25 11:27	VN120125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
75-27-4	Bromodichloromethane	19.5		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
108-10-1	4-Methyl-2-Pentanone	98.3		1	0.68	5.00	ug/L	12/01/25 11:27	VN120125
108-88-3	Toluene	19.5		1	0.14	1.00	ug/L	12/01/25 11:27	VN120125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.17	1.00	ug/L	12/01/25 11:27	VN120125
10061-01-5	cis-1,3-Dichloropropene	20.1		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
79-00-5	1,1,2-Trichloroethane	20.2		1	0.21	1.00	ug/L	12/01/25 11:27	VN120125
591-78-6	2-Hexanone	93.5		1	0.89	5.00	ug/L	12/01/25 11:27	VN120125
124-48-1	Dibromochloromethane	20.1		1	0.18	1.00	ug/L	12/01/25 11:27	VN120125
106-93-4	1,2-Dibromoethane	20.6		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125
127-18-4	Tetrachloroethene	17.9		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
108-90-7	Chlorobenzene	19.5		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
100-41-4	Ethyl Benzene	18.6		1	0.13	1.00	ug/L	12/01/25 11:27	VN120125
179601-23-1	m/p-Xylenes	37.0		1	0.24	2.00	ug/L	12/01/25 11:27	VN120125
95-47-6	o-Xylene	18.3		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
100-42-5	Styrene	19.6		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125
75-25-2	Bromoform	20.0		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125

Raw Data: **VN088373.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBS01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL 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	18.6		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1	0.26	1.00	ug/L	12/01/25 11:27	VN120125
541-73-1	1,3-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
106-46-7	1,4-Dichlorobenzene	18.5		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125
95-50-1	1,2-Dichlorobenzene	19.4		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1	0.53	1.00	ug/L	12/01/25 11:27	VN120125
120-82-1	1,2,4-Trichlorobenzene	18.5		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
87-61-6	1,2,3-Trichlorobenzene	18.3		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			74 - 125	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.1			75 - 124	110%	SPK: 50		
2037-26-5	Toluene-d8	54.9			86 - 113	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.3			77 - 121	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	257000							
540-36-3	1,4-Difluorobenzene	487000							
3114-55-4	Chlorobenzene-d5	435000							
3855-82-1	1,4-Dichlorobenzene-d4	207000							

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_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

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	8.206	168	256678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	487472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	207303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271013	56.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.100%			
35) Dibromofluoromethane	8.147	113	186190	55.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.240%			
50) Toluene-d8	10.541	98	690335	54.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.840%			
62) 4-Bromofluorobenzene	12.829	95	230018	53.334	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	70210	18.211	ug/l	99
3) Chloromethane	2.383	50	80214	19.372	ug/l	94
4) Vinyl Chloride	2.536	62	79487	18.870	ug/l	99
5) Bromomethane	2.989	94	39940	19.700	ug/l	96
6) Chloroethane	3.142	64	50911	19.530	ug/l	99
7) Trichlorofluoromethane	3.512	101	109953	18.572	ug/l	94
8) Diethyl Ether	3.965	74	43004	19.352	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	58508	18.563	ug/l	97
10) Methyl Iodide	4.583	142	59901	19.198	ug/l	98
11) Tert butyl alcohol	5.512	59	67525	87.469	ug/l	97
12) 1,1-Dichloroethene	4.336	96	59547	19.015	ug/l	87
13) Acrolein	4.177	56	88765	120.102	ug/l	97
14) Allyl chloride	5.018	41	108153	18.633	ug/l	98
15) Acrylonitrile	5.706	53	218028	97.888	ug/l	98
16) Acetone	4.418	43	153779	87.939	ug/l	94
17) Carbon Disulfide	4.706	76	198994	19.446	ug/l	100
18) Methyl Acetate	5.018	43	99423	19.100	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	233707	19.919	ug/l	100
20) Methylene Chloride	5.271	84	74861	20.009	ug/l	83
21) trans-1,2-Dichloroethene	5.771	96	68123	19.638	ug/l	89
22) Diisopropyl ether	6.653	45	255505	20.619	ug/l	93
23) Vinyl Acetate	6.589	43	1003026m	100.465	ug/l	
24) 1,1-Dichloroethane	6.547	63	139057	19.816	ug/l	100
25) 2-Butanone	7.465	43	269940	96.022	ug/l	97
26) 2,2-Dichloropropane	7.471	77	115800	19.118	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	80954	20.080	ug/l	98
28) Bromochloromethane	7.789	49	67630	19.346	ug/l #	98
29) Tetrahydrofuran	7.818	42	200576	99.471	ug/l	99
30) Chloroform	7.941	83	140173	20.329	ug/l	100
31) Cyclohexane	8.241	56	114116	17.945	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	114251	18.845	ug/l	96
36) 1,1-Dichloropropene	8.353	75	93124	17.862	ug/l	99
37) Ethyl Acetate	7.547	43	129007	18.819	ug/l	100
38) Carbon Tetrachloride	8.341	117	94912	18.287	ug/l	96
39) Methylcyclohexane	9.583	83	95473	17.120	ug/l	97
40) Benzene	8.588	78	296136	19.353	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

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	7.765	41	63234	18.624	ug/l		98
42) 1,2-Dichloroethane	8.653	62	114468	19.607	ug/l		98
43) Isopropyl Acetate	8.671	43	195071	18.624	ug/l		98
44) Trichloroethene	9.330	130	67826	18.759	ug/l		95
45) 1,2-Dichloropropane	9.600	63	77770	19.837	ug/l		93
46) Dibromomethane	9.688	93	55251	19.747	ug/l		98
47) Bromodichloromethane	9.871	83	111551	19.540	ug/l		92
48) Methyl methacrylate	9.659	41	87729	18.357	ug/l		97
49) 1,4-Dioxane	9.683	88	21595	355.324	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	606997	98.320	ug/l		100
52) Toluene	10.606	92	172323	19.503	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	116655	19.908	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	123675	20.070	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	68939	20.166	ug/l		96
56) Ethyl methacrylate	10.859	69	106640	19.749	ug/l		96
57) 1,3-Dichloropropane	11.141	76	122169	19.810	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.135	63	278967	89.610	ug/l		97
59) 2-Hexanone	11.177	43	363554	93.479	ug/l		98
60) Dibromochloromethane	11.335	129	78151	20.054	ug/l		97
61) 1,2-Dibromoethane	11.447	107	71254	20.583	ug/l		98
64) Tetrachloroethene	11.082	164	61757	17.907	ug/l		96
65) Chlorobenzene	11.871	112	190129	19.458	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65977	20.020	ug/l		98
67) Ethyl Benzene	11.941	91	316848	18.553	ug/l		99
68) m/p-Xylenes	12.047	106	234320	37.005	ug/l		97
69) o-Xylene	12.376	106	110515	18.307	ug/l		100
70) Styrene	12.388	104	191890	19.577	ug/l		99
71) Bromoform	12.559	173	48189	19.963	ug/l	#	99
73) Isopropylbenzene	12.676	105	285585	18.632	ug/l		99
74) N-amyl acetate	12.682	43	103450m	19.818	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.912	83	99427	20.065	ug/l		97
76) 1,2,3-Trichloropropane	12.971	75	95762m	19.723	ug/l		
77) Bromobenzene	12.959	156	70858	20.205	ug/l		97
78) n-propylbenzene	13.012	91	349255	18.625	ug/l		100
79) 2-Chlorotoluene	13.100	91	213346	18.631	ug/l		98
80) 1,3,5-Trimethylbenzene	13.147	105	239698	18.872	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	31603	18.465	ug/l	#	98
82) 4-Chlorotoluene	13.200	91	222136	19.531	ug/l		99
83) tert-Butylbenzene	13.412	119	195850	18.139	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	244186	19.342	ug/l		99
85) sec-Butylbenzene	13.594	105	282563	18.217	ug/l		100
86) p-Isopropyltoluene	13.706	119	237355	18.661	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	129958	19.036	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	131944	18.451	ug/l		97
89) n-Butylbenzene	14.029	91	220480	17.853	ug/l		100
90) Hexachloroethane	14.306	117	42679	18.368	ug/l		95
91) 1,2-Dichlorobenzene	14.082	146	124887	19.439	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	21886	18.204	ug/l		99
93) 1,2,4-Trichlorobenzene	15.365	180	70611	18.498	ug/l		98
94) Hexachlorobutadiene	15.470	225	24611	17.942	ug/l		99
95) Naphthalene	15.612	128	234599	17.736	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	68004	18.306	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

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

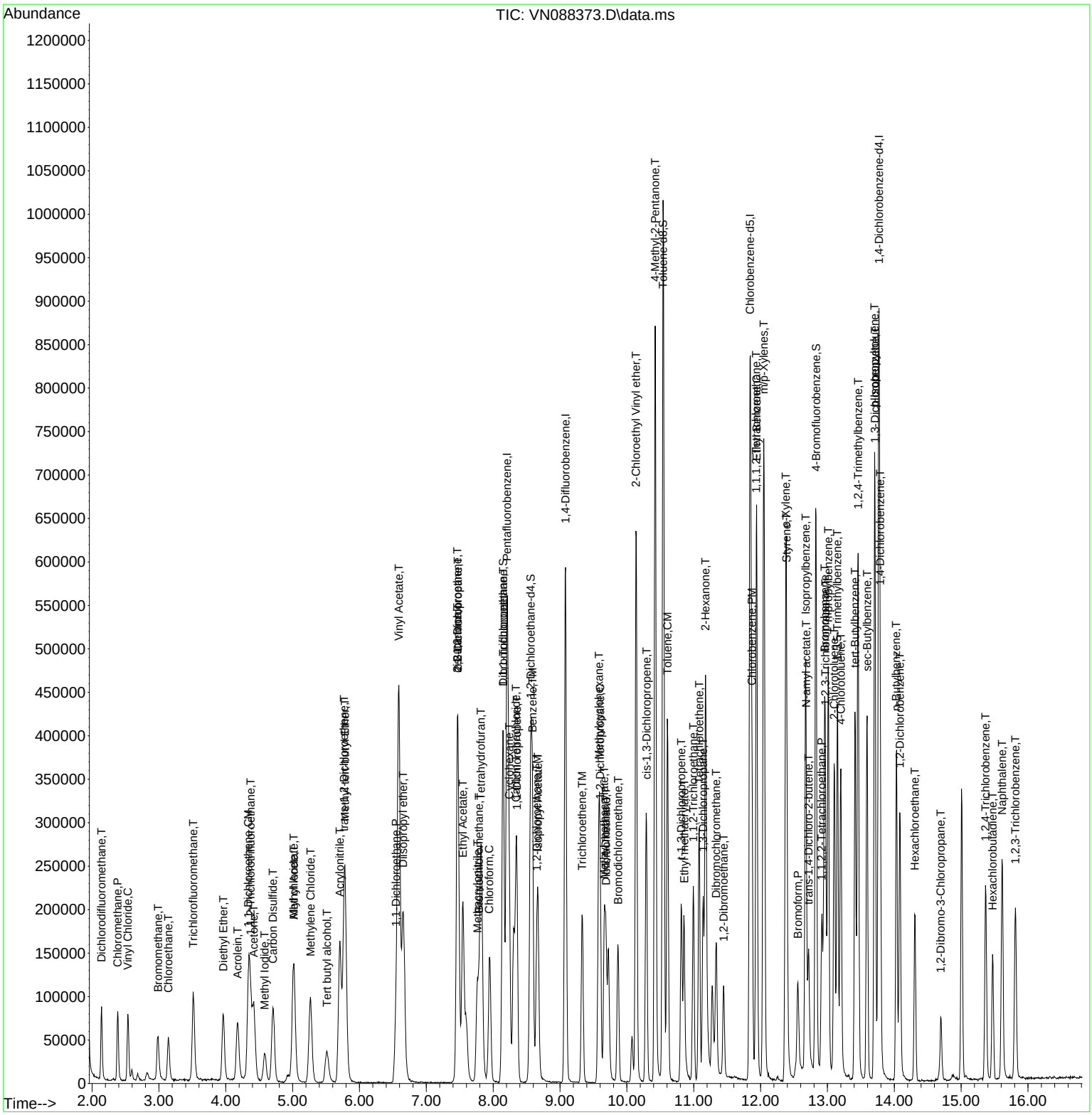
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBS01	SDG No.:	Q3741
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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBS01	SDG No.:	Q3741
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

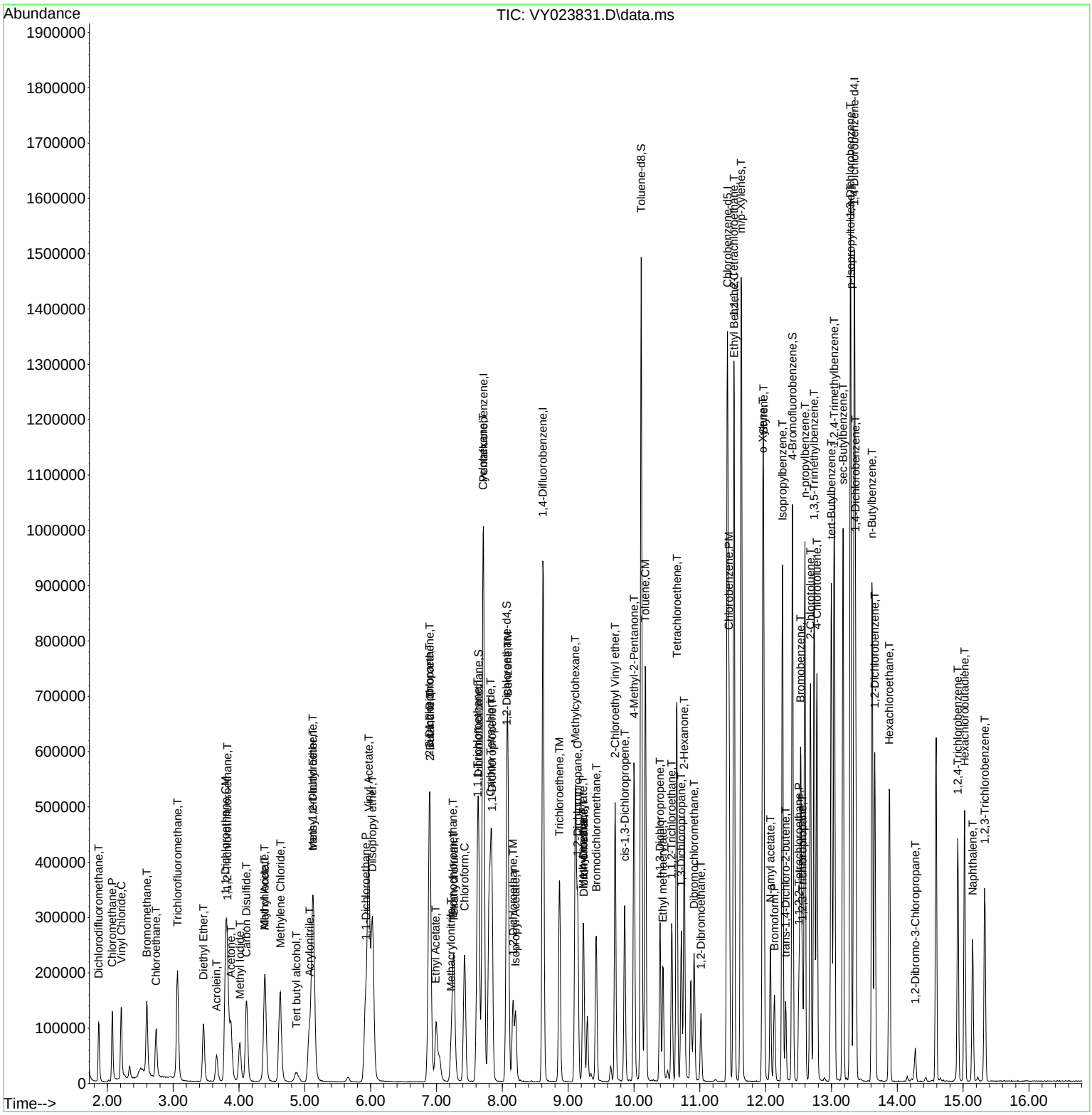
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY1201SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1202SBS01	SDG No.:	Q3741
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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1202SBS01	SDG No.:	Q3741
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

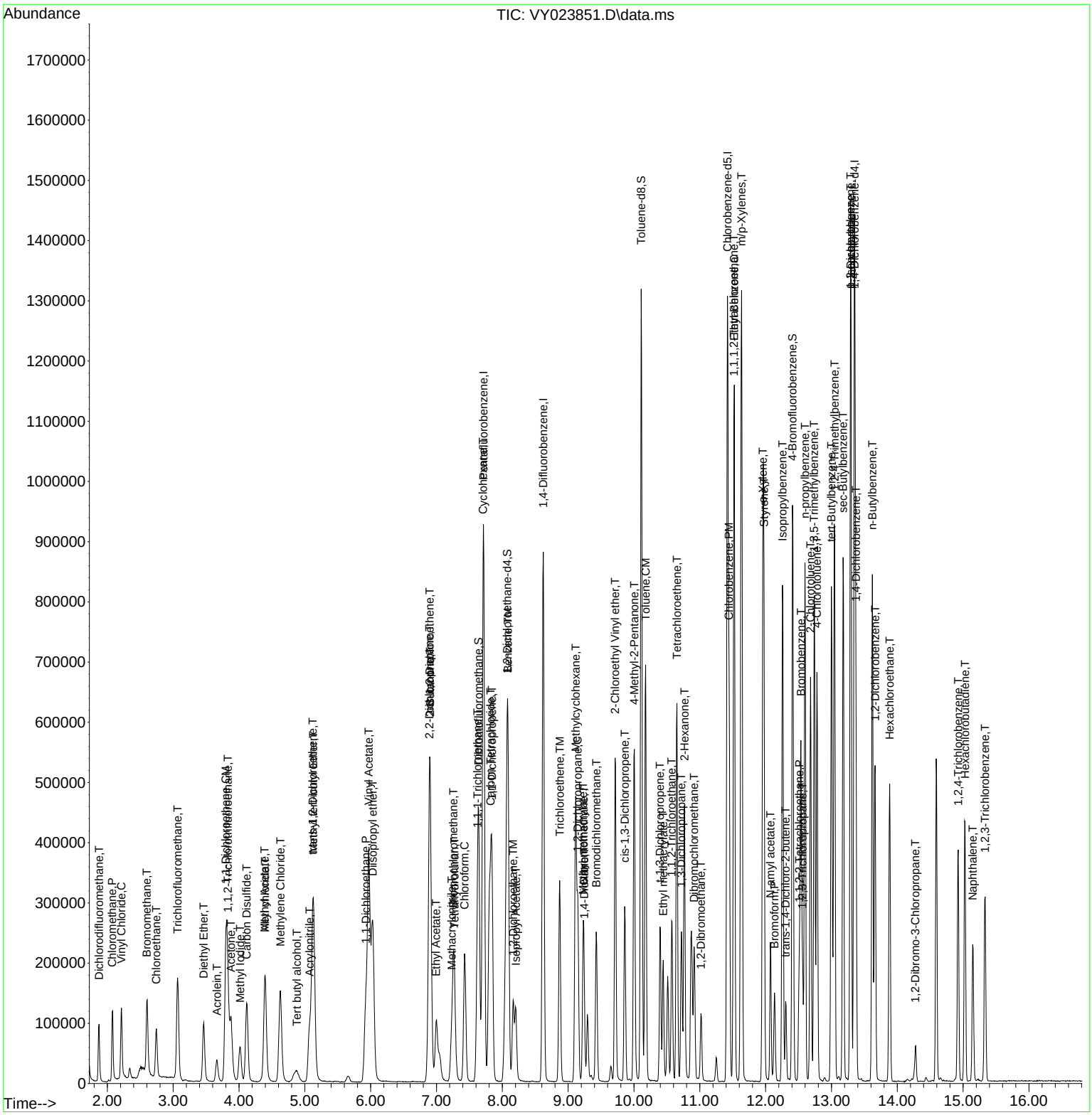
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023851.D
Acq On : 02 Dec 2025 10:53
Operator : SY/MD
Sample : VY1202SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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: **VN088374.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBSD01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBSD01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	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	18.9		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
74-87-3	Chloromethane	19.4		1	0.32	1.00	ug/L	12/01/25 12:10	VN120125
75-01-4	Vinyl Chloride	18.7		1	0.26	1.00	ug/L	12/01/25 12:10	VN120125
74-83-9	Bromomethane	20.2		1	1.40	5.00	ug/L	12/01/25 12:10	VN120125
75-00-3	Chloroethane	19.3		1	0.47	1.00	ug/L	12/01/25 12:10	VN120125
75-69-4	Trichlorofluoromethane	18.7		1	0.33	1.00	ug/L	12/01/25 12:10	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
75-35-4	1,1-Dichloroethene	18.8		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
67-64-1	Acetone	87.0		1	1.50	5.00	ug/L	12/01/25 12:10	VN120125
75-15-0	Carbon Disulfide	18.8		1	0.21	1.00	ug/L	12/01/25 12:10	VN120125
1634-04-4	Methyl tert-butyl Ether	19.4		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
79-20-9	Methyl Acetate	19.0		1	0.27	1.00	ug/L	12/01/25 12:10	VN120125
75-09-2	Methylene Chloride	20.2		1	0.28	1.00	ug/L	12/01/25 12:10	VN120125
156-60-5	trans-1,2-Dichloroethene	19.6		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
75-34-3	1,1-Dichloroethane	19.1		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
110-82-7	Cyclohexane	18.5		1	1.50	5.00	ug/L	12/01/25 12:10	VN120125
78-93-3	2-Butanone	96.2		1	0.98	5.00	ug/L	12/01/25 12:10	VN120125
56-23-5	Carbon Tetrachloride	18.8		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
156-59-2	cis-1,2-Dichloroethene	19.4		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125
74-97-5	Bromochloromethane	18.5		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
67-66-3	Chloroform	19.6		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
71-55-6	1,1,1-Trichloroethane	19.0		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
108-87-2	Methylcyclohexane	18.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
71-43-2	Benzene	19.1		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125
107-06-2	1,2-Dichloroethane	19.4		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
79-01-6	Trichloroethene	19.1		1	0.090	1.00	ug/L	12/01/25 12:10	VN120125
78-87-5	1,2-Dichloropropane	19.2		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
75-27-4	Bromodichloromethane	19.3		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
108-10-1	4-Methyl-2-Pentanone	98.5		1	0.68	5.00	ug/L	12/01/25 12:10	VN120125
108-88-3	Toluene	19.8		1	0.14	1.00	ug/L	12/01/25 12:10	VN120125
10061-02-6	t-1,3-Dichloropropene	19.1		1	0.17	1.00	ug/L	12/01/25 12:10	VN120125
10061-01-5	cis-1,3-Dichloropropene	19.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
79-00-5	1,1,2-Trichloroethane	20.0		1	0.21	1.00	ug/L	12/01/25 12:10	VN120125
591-78-6	2-Hexanone	94.4		1	0.89	5.00	ug/L	12/01/25 12:10	VN120125
124-48-1	Dibromochloromethane	20.3		1	0.18	1.00	ug/L	12/01/25 12:10	VN120125
106-93-4	1,2-Dibromoethane	19.9		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
108-90-7	Chlorobenzene	19.8		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
100-41-4	Ethyl Benzene	18.9		1	0.13	1.00	ug/L	12/01/25 12:10	VN120125
179601-23-1	m/p-Xylenes	37.8		1	0.24	2.00	ug/L	12/01/25 12:10	VN120125
95-47-6	o-Xylene	19.2		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
100-42-5	Styrene	19.4		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125
75-25-2	Bromoform	20.1		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125

Raw Data: **VN088374.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VN1201WBSD01	SDG No.:	Q3741
Lab Sample ID:	VN1201WBSD01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL 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	19.3		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	0.26	1.00	ug/L	12/01/25 12:10	VN120125
541-73-1	1,3-Dichlorobenzene	19.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
106-46-7	1,4-Dichlorobenzene	19.0		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125
95-50-1	1,2-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1	0.53	1.00	ug/L	12/01/25 12:10	VN120125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
87-61-6	1,2,3-Trichlorobenzene	19.1		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			74 - 125	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			75 - 124	105%	SPK: 50		
2037-26-5	Toluene-d8	53.2			86 - 113	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			77 - 121	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	257000							
540-36-3	1,4-Difluorobenzene	473000							
3114-55-4	Chlorobenzene-d5	413000							
3855-82-1	1,4-Dichlorobenzene-d4	197000							

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_N\Data\VN120125\
Data File : VN088374.D
Acq On : 01 Dec 2025 12:10
Operator : JC\MD
Sample : VN1201WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 00:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

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	8.206	168	257123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	413438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	196888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	252803	52.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.147	113	171251	52.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.560%			
50) Toluene-d8	10.541	98	648629	53.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.829	95	213607	51.080	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	72877	18.870	ug/l	98
3) Chloromethane	2.383	50	80587	19.429	ug/l	94
4) Vinyl Chloride	2.536	62	79060	18.736	ug/l	99
5) Bromomethane	2.989	94	40980	20.178	ug/l	99
6) Chloroethane	3.148	64	50269	19.250	ug/l	90
7) Trichlorofluoromethane	3.512	101	110683	18.663	ug/l	99
8) Diethyl Ether	3.965	74	42809	19.231	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	58334	18.476	ug/l	98
10) Methyl Iodide	4.583	142	60569	19.379	ug/l	96
11) Tert butyl alcohol	5.512	59	68039	87.983	ug/l #	81
12) 1,1-Dichloroethene	4.347	96	58831	18.754	ug/l	84
13) Acrolein	4.177	56	87619	118.346	ug/l	97
14) Allyl chloride	5.012	41	104505	17.974	ug/l	98
15) Acrylonitrile	5.706	53	213646	95.755	ug/l	98
16) Acetone	4.418	43	152332	86.961	ug/l	98
17) Carbon Disulfide	4.706	76	192813	18.810	ug/l	100
18) Methyl Acetate	5.018	43	99171	19.019	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	228498	19.442	ug/l	95
20) Methylene Chloride	5.259	84	75693	20.196	ug/l	83
21) trans-1,2-Dichloroethene	5.771	96	68139	19.608	ug/l	92
22) Diisopropyl ether	6.653	45	244953	19.733	ug/l	96
23) Vinyl Acetate	6.588	43	972820m	97.271	ug/l	
24) 1,1-Dichloroethane	6.553	63	134006	19.063	ug/l	95
25) 2-Butanone	7.465	43	270811	96.165	ug/l	97
26) 2,2-Dichloropropane	7.477	77	112288	18.506	ug/l	95
27) cis-1,2-Dichloroethene	7.465	96	78314	19.392	ug/l	96
28) Bromochloromethane	7.794	49	64631	18.456	ug/l	99
29) Tetrahydrofuran	7.824	42	193749	95.919	ug/l	99
30) Chloroform	7.947	83	135282	19.585	ug/l	96
31) Cyclohexane	8.235	56	117687	18.475	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	115347	18.992	ug/l	95
36) 1,1-Dichloropropene	8.353	75	89956	17.794	ug/l	98
37) Ethyl Acetate	7.547	43	123427	18.569	ug/l	98
38) Carbon Tetrachloride	8.347	117	94617	18.801	ug/l	96
39) Methylcyclohexane	9.576	83	99985	18.491	ug/l	93
40) Benzene	8.588	78	284116	19.149	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088374.D
Acq On : 01 Dec 2025 12:10
Operator : JC\MD
Sample : VN1201WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 00:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

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	7.765	41	63105	19.168	ug/l		98
42) 1,2-Dichloroethane	8.647	62	109703	19.380	ug/l		98
43) Isopropyl Acetate	8.671	43	192472	18.952	ug/l		99
44) Trichloroethene	9.329	130	66801	19.054	ug/l		90
45) 1,2-Dichloropropane	9.600	63	72843	19.162	ug/l		100
46) Dibromomethane	9.688	93	54401	20.053	ug/l		98
47) Bromodichloromethane	9.865	83	106876	19.308	ug/l	#	93
48) Methyl methacrylate	9.659	41	84615	18.260	ug/l		99
49) 1,4-Dioxane	9.676	88	22017	373.614	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	589357	98.453	ug/l		99
52) Toluene	10.606	92	170024	19.846	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	108520	19.099	ug/l		99
54) cis-1,3-Dichloropropene	10.288	75	116758	19.541	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	66233	19.982	ug/l		95
56) Ethyl methacrylate	10.853	69	104863	20.028	ug/l		97
57) 1,3-Dichloropropane	11.141	76	120668	20.179	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	276569	91.622	ug/l		99
59) 2-Hexanone	11.176	43	355826	94.358	ug/l		98
60) Dibromochloromethane	11.335	129	76699	20.298	ug/l		98
61) 1,2-Dibromoethane	11.447	107	66826	19.909	ug/l		97
64) Tetrachloroethene	11.076	164	62208	18.980	ug/l		95
65) Chlorobenzene	11.870	112	183680	19.779	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	61851	19.747	ug/l		99
67) Ethyl Benzene	11.941	91	306102	18.859	ug/l		97
68) m/p-Xylenes	12.053	106	227659	37.830	ug/l		99
69) o-Xylene	12.376	106	109896	19.155	ug/l		95
70) Styrene	12.388	104	181083	19.438	ug/l		99
71) Bromoform	12.559	173	46125	20.106	ug/l	#	99
73) Isopropylbenzene	12.670	105	280946	19.299	ug/l		100
74) N-amyl acetate	12.682	43	97186m	19.603	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	91931	19.534	ug/l		97
76) 1,2,3-Trichloropropane	12.970	75	93113m	20.192	ug/l		
77) Bromobenzene	12.959	156	65049	19.529	ug/l		96
78) n-propylbenzene	13.012	91	348515	19.569	ug/l		100
79) 2-Chlorotoluene	13.100	91	204279	18.783	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	234071	19.404	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	28199	17.348	ug/l	#	96
82) 4-Chlorotoluene	13.200	91	211139	19.546	ug/l		97
83) tert-Butylbenzene	13.412	119	192736	18.795	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	235984	19.682	ug/l		100
85) sec-Butylbenzene	13.594	105	283289	19.230	ug/l		100
86) p-Isopropyltoluene	13.706	119	228290	18.898	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	126657	19.534	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	129333	19.042	ug/l		98
89) n-Butylbenzene	14.029	91	219415	18.707	ug/l		99
90) Hexachloroethane	14.306	117	41810	18.946	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	115702	18.962	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21103	18.481	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	65316	18.016	ug/l		95
94) Hexachlorobutadiene	15.470	225	24556	18.849	ug/l		94
95) Naphthalene	15.611	128	231154	18.400	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	67438	19.114	ug/l		98

Sample Results: **VN088374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088374.D
Acq On : 01 Dec 2025 12:10
Operator : JC\MD
Sample : VN1201WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 00:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

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

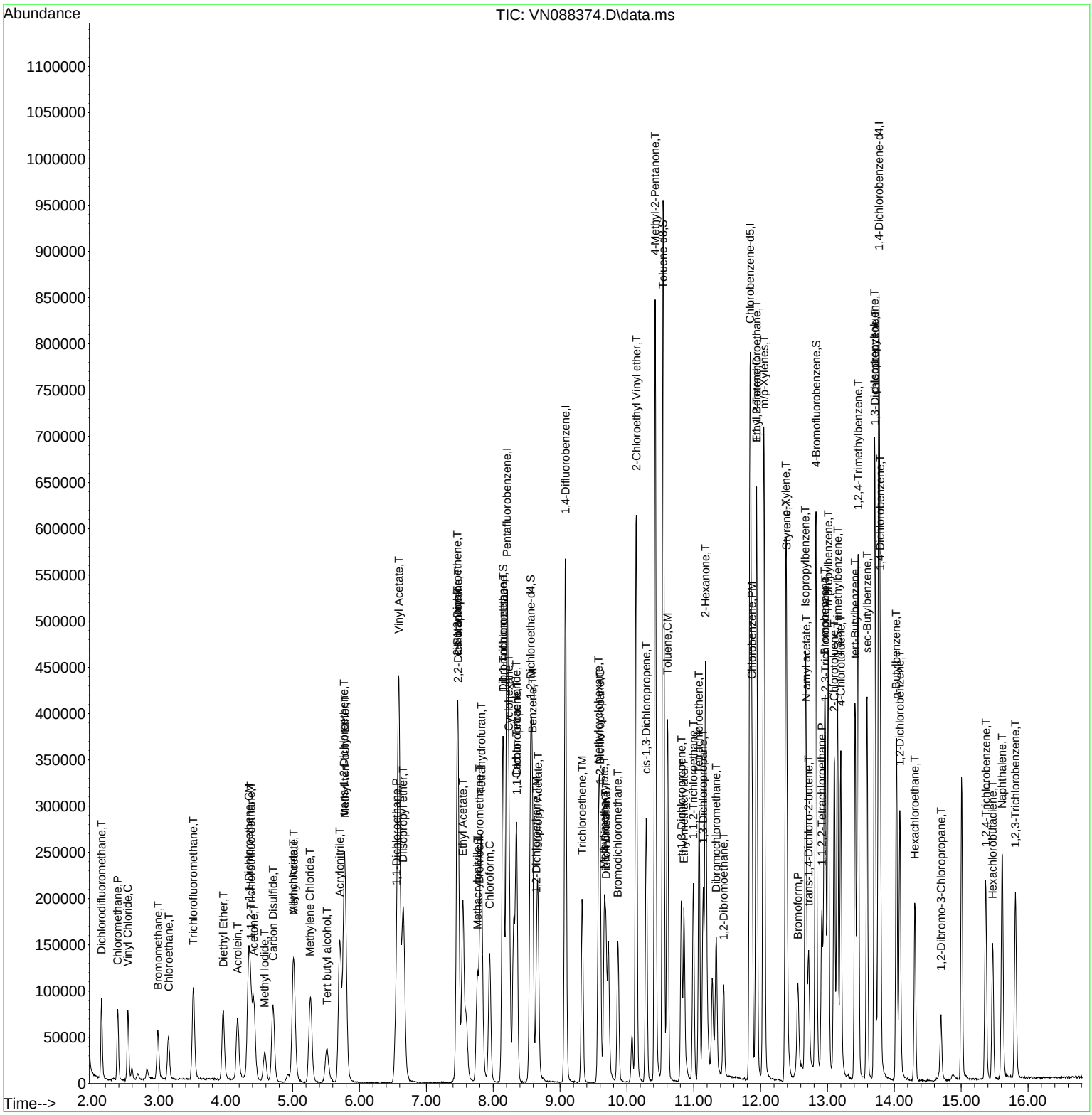
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088374.D
Acq On : 01 Dec 2025 12:10
Operator : JC\MD
Sample : VN1201WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 00:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBSD01	SDG No.:	Q3741
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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Building 50 Probe Investigation	Date Received:	
Client Sample ID:	VY1201SBSD01	SDG No.:	Q3741
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

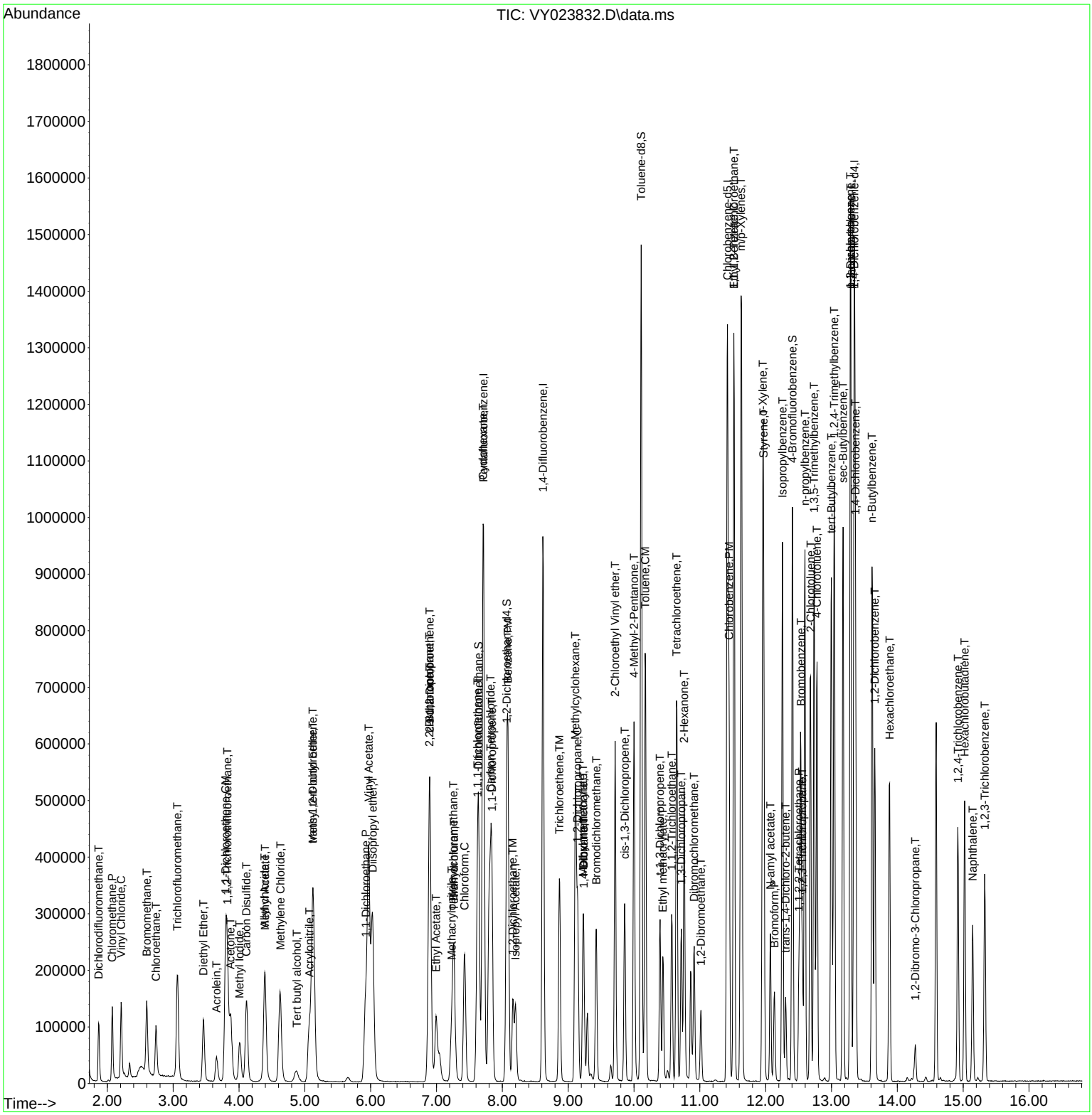
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023832.D
Acq On : 01 Dec 2025 10:00
Operator : SY/MD
Sample : VY1201SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088348.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Allyl chloride	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Vinyl Acetate	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Allyl chloride	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Vinyl Acetate	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	N-amyl acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	Vinyl Acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN120125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088370.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	Methacrylonitrile	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	N-amyl acetate	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	Vinyl Acetate	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	N-amyl acetate	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	Vinyl Acetate	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	N-amyl acetate	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	Vinyl Acetate	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
VSTDCCC050	VN088394.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software
VSTDCCC050	VN088394.D	N-amyl acetate	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software
VSTDCCC050	VN088394.D	Vinyl Acetate	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN120125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

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

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
Q3741-05	VY023840.D	n-Butylbenzene	JOHN	12/2/2025 8:59:57 AM	MMDadoda	12/2/2025 10:16:06 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

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

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

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDICC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDICC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDICC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDICC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDICC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VN120125	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136451
Initial Calibration Stds	
CCC	VP136452,VP136453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088369.D	01 Dec 2025 08:49	JC\MD	Ok
2	VSTDCCC050	VN088370.D	01 Dec 2025 09:58	JC\MD	Ok,M
3	VN1201MBL01	VN088371.D	01 Dec 2025 10:33	JC\MD	Ok
4	VN1201WBL01	VN088372.D	01 Dec 2025 10:53	JC\MD	Ok
5	VN1201WBS01	VN088373.D	01 Dec 2025 11:27	JC\MD	Ok,M
6	VN1201WBSD01	VN088374.D	01 Dec 2025 12:10	JC\MD	Ok,M
7	Q3715-02	VN088375.D	01 Dec 2025 12:30	JC\MD	Ok,M
8	Q3741-07	VN088376.D	01 Dec 2025 12:51	JC\MD	Ok
9	Q3716-01	VN088377.D	01 Dec 2025 13:11	JC\MD	Dilution
10	Q3716-03	VN088378.D	01 Dec 2025 13:32	JC\MD	Not Ok
11	Q3716-04	VN088379.D	01 Dec 2025 13:52	JC\MD	Dilution
12	Q3715-01	VN088380.D	01 Dec 2025 14:13	JC\MD	ReRun
13	Q3716-02	VN088381.D	01 Dec 2025 14:33	JC\MD	Ok
14	Q3738-01	VN088382.D	01 Dec 2025 14:54	JC\MD	Not Ok
15	Q3738-03	VN088383.D	01 Dec 2025 15:15	JC\MD	Ok
16	Q3738-02	VN088384.D	01 Dec 2025 15:35	JC\MD	Ok,M
17	Q3745-01	VN088385.D	01 Dec 2025 15:56	JC\MD	ReRun
18	Q3745-02	VN088386.D	01 Dec 2025 16:16	JC\MD	Ok
19	Q3745-03	VN088387.D	01 Dec 2025 16:37	JC\MD	Ok
20	Q3745-04	VN088388.D	01 Dec 2025 16:58	JC\MD	Ok
21	Q3743-03	VN088389.D	01 Dec 2025 17:18	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VN120125	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136451
Initial Calibration Stds	
CCC	VP136452,VP136453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3743-04	VN088390.D	01 Dec 2025 17:39	JC\MD	Ok
23	Q3743-05	VN088391.D	01 Dec 2025 18:00	JC\MD	Not Ok
24	Q3743-01	VN088392.D	01 Dec 2025 18:20	JC\MD	Ok
25	Q3743-02	VN088393.D	01 Dec 2025 18:41	JC\MD	Ok
26	VSTDCCC050	VN088394.D	01 Dec 2025 19:01	JC\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	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

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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	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

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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	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088343.D	24 Nov 2025 08:17		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088344.D	24 Nov 2025 12:38		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088345.D	24 Nov 2025 13:11	COM.#74 Peak not detected in 1 and 5 PPB	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088346.D	24 Nov 2025 13:32		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088348.D	24 Nov 2025 14:14		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088349.D	24 Nov 2025 14:35		JC\MD	Ok,M
8	IBLK	IBLK	VN088350.D	24 Nov 2025 14:56		JC\MD	Ok
9	VSTDICV050	ICVVN112425	VN088351.D	24 Nov 2025 15:18		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VN120125	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136451
Initial Calibration Stds	
CCC	VP136452,VP136453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088369.D	01 Dec 2025 08:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088370.D	01 Dec 2025 09:58	pH#Lot#V12668	JC\MD	Ok,M
3	VN1201MBL01	VN1201MBL01	VN088371.D	01 Dec 2025 10:33		JC\MD	Ok
4	VN1201WBL01	VN1201WBL01	VN088372.D	01 Dec 2025 10:53		JC\MD	Ok
5	VN1201WBS01	VN1201WBS01	VN088373.D	01 Dec 2025 11:27		JC\MD	Ok,M
6	VN1201WBSD01	VN1201WBSD01	VN088374.D	01 Dec 2025 12:10		JC\MD	Ok,M
7	Q3715-02	MW6	VN088375.D	01 Dec 2025 12:30	vial A pH<2	JC\MD	Ok,M
8	Q3741-07	TB-1	VN088376.D	01 Dec 2025 12:51	vial A pH<2 TB	JC\MD	Ok
9	Q3716-01	MW5	VN088377.D	01 Dec 2025 13:11	vial A pH<2 Need 20X	JC\MD	Dilution
10	Q3716-03	MW4	VN088378.D	01 Dec 2025 13:32	Need Straight Run	JC\MD	Not Ok
11	Q3716-04	MW7	VN088379.D	01 Dec 2025 13:52	Need 200X	JC\MD	Dilution
12	Q3715-01	MW2	VN088380.D	01 Dec 2025 14:13	E flag of previous sample	JC\MD	ReRun
13	Q3716-02	MW3	VN088381.D	01 Dec 2025 14:33	vial A pH<2	JC\MD	Ok
14	Q3738-01	MW4	VN088382.D	01 Dec 2025 14:54	Run @ Lower Dilution	JC\MD	Not Ok
15	Q3738-03	Field	VN088383.D	01 Dec 2025 15:15	vial A pH<2 FB	JC\MD	Ok
16	Q3738-02	MW5	VN088384.D	01 Dec 2025 15:35	vial A pH<2	JC\MD	Ok,M
17	Q3745-01	STORAGE-BLANK-SO	VN088385.D	01 Dec 2025 15:56	vial A pH<2 Tics Contamination	JC\MD	ReRun
18	Q3745-02	STORAGE-BLANK-WA	VN088386.D	01 Dec 2025 16:16	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VN120125	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136451
Initial Calibration Stds	
CCC	VP136452,VP136453
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3745-03	STORAGE-BLANK-WA	VN088387.D	01 Dec 2025 16:37	vial A pH<2	JC\MD	Ok
20	Q3745-04	STORAGE-BLANK-SAI	VN088388.D	01 Dec 2025 16:58	vial A pH<2	JC\MD	Ok
21	Q3743-03	TB	VN088389.D	01 Dec 2025 17:18	vial A pH<2 TB	JC\MD	Ok
22	Q3743-04	TB	VN088390.D	01 Dec 2025 17:39	vial A pH<2 TB	JC\MD	Ok
23	Q3743-05	TB	VN088391.D	01 Dec 2025 18:00	SIM Method on login	JC\MD	Not Ok
24	Q3743-01	TW-1125-1	VN088392.D	01 Dec 2025 18:20	vial A pH<2	JC\MD	Ok
25	Q3743-02	TW-1125-2	VN088393.D	01 Dec 2025 18:41	vial A pH<2	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN088394.D	01 Dec 2025 19:01		JC\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

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	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

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: TB WC

Raw Sample Relinquished by:

Date/Time 12/01/25 17:40

Raw Sample Received by:

Raw Sample Relinquished by: TB WC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q3741

COC Number:

CLIENT INFORMATION

COMPANY: CORE ENVIRONMENTAL CONSULTANTS
ADDRESS: 22-48 119TH STREET
CITY: COLLEGE POINT STATE: NY ZIP: 11356
ATTENTION: ROLAND SCARDINO
PHONE: 609-781-8074 FAX:

PROJECT INFORMATION

PROJECT NAME: BNY - Building 50 Probe Investigation
PROJECT #: LOCATION: Bldg 50. 63 Flushing Ave. Brooklyn, NY
PROJECT MANAGER: ROLAND SCARDINO
E-MAIL: rscardino@coreenv.com
PHONE: 609-781-8074 FAX:

BILLING INFORMATION

BILL TO: CORE ENVIRONMENTAL CONSULTANTS PO#
ADDRESS: 2312 WEHRLE DR
CITY: BUFFALO STATE: NY ZIP:14221
ATTENTION: JOSEPH ZAHEER PHONE:716-204-8054

DATA TURNAROUND INFORMATION

FAX: STANDARD DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1	2	3	4	5	6	7	8	9
GRO	DRO	VOCs	SVOCs	TAL Metals	RCRA 8			

If any metals exceed the 20x rule, run the TCLP analaysis on 72-hr TAT

PRESERVATIVES

1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	B50-SP3-111925	SOIL	✓		11/19/25	13:00		✓	✓	✓	✓	✓	✓			
2.	B50-SP13-112025	SOIL	✓		11/20/25	13:00		✓	✓	✓	✓	✓	✓			
3.	B50-SP14-112025	SOIL	✓		11/20/25	13:15		✓	✓	✓	✓	✓	✓			
4.	B50-SP9-112425	SOIL	✓		11/24/25	13:30		✓	✓	✓	✓	✓	✓			
5.	B50-SP11-112525	SOIL	✓		11/25/25	13:30		✓	✓	✓	✓	✓	✓			
6.	B50-SP4-112525	SOIL	✓		11/25/25	14:00		✓	✓	✓	✓	✓	✓			
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	11/26 12:10pm	1. 1210 11-26-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	11-26-25 1820	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1°C ☐ Ice in Cooler?:
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3741 CORE02
Client Name : Core Environmental Consul
Client Contact : Roland Scardino
Invoice Name : Core Environmental Consul
Invoice Contact : Roland Scardino

Order Date : 11/26/2025 4:57:55 PM
Project Name : Building 50 Probe Investiga
Receive DateTime : 11/26/2025 6:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3741-01	B50-SP3-111925	Solid	11/19/2025	13:00					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-02	B50-SP13-112025	Solid	11/20/2025	13:00					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-03	B50-SP14-112025	Solid	11/20/2025	13:15					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-04	B50-SP9-112425	Solid	11/24/2025	13:30					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-05	B50-SP11-112525	Solid	11/25/2025	13:30					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-06	B50-SP4-112525	Solid	11/25/2025	14:00					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q3741-07	TB-1	Water	11/25/2025	14:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3741 CORE02	**Order Date :**	11/26/2025 4:57:55 PM	**Project Mgr :**	
Client Name :	Core Environmental Consul	**Project Name :**	Building 50 Probe Investiga	**Report Type :**	Results+QC
Client Contact :	Roland Scardino	**Receive DateTime :**	11/26/2025 6:20:00 PM	**EDD Type :**	Excel NY
Invoice Name :	Core Environmental Consul	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Roland Scardino			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 12/1/25 11:05

Received By :
Date / Time : 12/01/25 11:05

Storage Area : VOA Refridgerator Room