

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 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

LAB CHRONICLE

OrderID:	Q3719	OrderDate:	11/25/2025 11:38:47 AM
Client:	Remington & Vernick	Project:	Saddler Property
Contact:	Justin Zarzecki	Location:	--Select--,D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3719-01	SB-1125-10A	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/25/25	11/25/25
Q3719-02	SB-1125-10B	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/25/25	11/25/25
Q3719-03	SB-1125-11A	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-04	SB-1125-11B	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-05	SB-1125-12A	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-06	SB-1125-12B	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-07	SB-1125-14A	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-08	SB-1125-14B	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-09	SB-1125-15A	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-09RE	SB-1125-15ARE	SOIL	VOC-TCLVOA-10	8260D	11/24/25		12/01/25	11/25/25
Q3719-10	SB-1125-15B	SOIL	VOC-TCLVOA-10	8260D	11/24/25		11/26/25	11/25/25
Q3719-11	SB-1125-16A	SOIL			11/24/25			11/25/25

LAB CHRONICLE

Q3719-12	SB-1125-16B	SOIL	VOC-TCLVOA-10	8260D		11/26/25	
					11/24/25		11/25/25
Q3719-13	SB-1125-17A	SOIL	VOC-TCLVOA-10	8260D		11/26/25	
					11/24/25		11/25/25
Q3719-14	SB-1125-17B	SOIL	VOC-TCLVOA-10	8260D		12/01/25	
					11/24/25		11/25/25
			VOC-TCLVOA-10	8260D		11/26/25	

Hit Summary Sheet
SW-846

SDG No.: Q3719

Client: Remington & Vernick

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3719-05	SB-1125-12A SB-1125-12A	SOIL	Acetone	46.5		7.10	37.5	ug/Kg
			Total Voc :	46.5				
			Total Concentration:	46.5				
Client ID: Q3719-09RE	SB-1125-15ARE SB-1125-15ARE	SOIL	n-Hexane	* 8.90	J	0	0	ug/Kg
			Total Tics :	8.90				
			Total Concentration:	8.90				
Client ID: Q3719-14	SB-1125-17B SB-1125-17B	SOIL	Acetone	96.6		6.60	34.7	ug/Kg
Q3719-14	SB-1125-17B	SOIL	2-Butanone	25.7	J	9.10	34.7	ug/Kg
			Total Voc :	122				
			Total Concentration:	122				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3719**

Client: **Remington & Vernick**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3719-01	SB-1125-10A	1,2-Dichloroethane-d4	50	59.0	118		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	46.3	92		74	123
		4-Bromofluorobenzene	50	53.9	108		52	138
Q3719-02	SB-1125-10B	1,2-Dichloroethane-d4	50	55.4	111		63	155
		Dibromofluoromethane	50	49.4	99		70	134
		Toluene-d8	50	44.4	89		74	123
		4-Bromofluorobenzene	50	51.4	103		52	138
Q3719-03	SB-1125-11A	1,2-Dichloroethane-d4	50	69.1	138		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	56.4	113		52	138
Q3719-04	SB-1125-11B	1,2-Dichloroethane-d4	50	71.8	144		63	155
		Dibromofluoromethane	50	53.6	107		70	134
		Toluene-d8	50	47.2	94		74	123
		4-Bromofluorobenzene	50	55.1	110		52	138
Q3719-05	SB-1125-12A	1,2-Dichloroethane-d4	50	70.1	140		63	155
		Dibromofluoromethane	50	55.1	110		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	56.5	113		52	138
Q3719-06	SB-1125-12B	1,2-Dichloroethane-d4	50	69.5	139		63	155
		Dibromofluoromethane	50	53.6	107		70	134
		Toluene-d8	50	46.0	92		74	123
		4-Bromofluorobenzene	50	53.2	106		52	138
Q3719-07	SB-1125-14A	1,2-Dichloroethane-d4	50	65.8	132		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	43.7	87		74	123
		4-Bromofluorobenzene	50	50.7	101		52	138
Q3719-08	SB-1125-14B	1,2-Dichloroethane-d4	50	69.7	139		63	155
		Dibromofluoromethane	50	55.2	110		70	134
		Toluene-d8	50	47.1	94		74	123
		4-Bromofluorobenzene	50	55.4	111		52	138
Q3719-09	SB-1125-15A	1,2-Dichloroethane-d4	50	74.4	149		63	155
		Dibromofluoromethane	50	54.6	109		70	134
		Toluene-d8	50	46.7	93		74	123
		4-Bromofluorobenzene	50	56.2	112		52	138
Q3719-09RE	SB-1125-15ARE	1,2-Dichloroethane-d4	50	141	282	*	63	155
		Dibromofluoromethane	50	77.3	155	*	70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	57.9	116		52	138
Q3719-10	SB-1125-15B	1,2-Dichloroethane-d4	50	70.4	141		63	155
		Dibromofluoromethane	50	55.5	111		70	134
		Toluene-d8	50	46.2	92		74	123
		4-Bromofluorobenzene	50	55.1	110		52	138
Q3719-11	SB-1125-16A	1,2-Dichloroethane-d4	50	71.4	143		63	155
		Dibromofluoromethane	50	55.5	111		70	134
		Toluene-d8	50	47.0	94		74	123
		4-Bromofluorobenzene	50	55.7	111		52	138
Q3719-12	SB-1125-16B	1,2-Dichloroethane-d4	50	66.9	134		63	155
		Dibromofluoromethane	50	53.5	107		70	134

Surrogate Summary

SDG No.: **Q3719**

Client: **Remington & Vernick**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3719-12	SB-1125-16B	Toluene-d8	50	45.2	90		74	123
		4-Bromofluorobenzene	50	53.9	108		52	138
Q3719-13	SB-1125-17A	1,2-Dichloroethane-d4	50	63.8	128		63	155
		Dibromofluoromethane	50	54.9	110		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	43.6	87		52	138
Q3719-14	SB-1125-17B	1,2-Dichloroethane-d4	50	62.0	124		63	155
		Dibromofluoromethane	50	48.2	96		70	134
		Toluene-d8	50	45.5	91		74	123
		4-Bromofluorobenzene	50	59.6	119		52	138
VW1125SBL01	VW1125SBL01	1,2-Dichloroethane-d4	50	59.5	119		63	155
		Dibromofluoromethane	50	54.7	109		70	134
		Toluene-d8	50	51.7	103		74	123
		4-Bromofluorobenzene	50	50.6	101		52	138
VW1125SBS01	VW1125SBS01	1,2-Dichloroethane-d4	50	52.9	106		63	155
		Dibromofluoromethane	50	55.2	110		70	134
		Toluene-d8	50	54.1	108		74	123
		4-Bromofluorobenzene	50	54.4	109		52	138
VW1125SBSD0	VW1125SBSD01	1,2-Dichloroethane-d4	50	53.3	107		63	155
		Dibromofluoromethane	50	51.7	103		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	51.1	102		52	138
VW1126SBL01	VW1126SBL01	1,2-Dichloroethane-d4	50	61.0	122		63	155
		Dibromofluoromethane	50	54.3	109		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	47.2	94		52	138
VW1126SBS01	VW1126SBS01	1,2-Dichloroethane-d4	50	57.6	115		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	51.4	103		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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032531.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1125SBS01	Dichlorodifluoromethane	20	22.6	ug/Kg	113			64	136	
	Chloromethane	20	22.3	ug/Kg	112			73	129	
	Vinyl chloride	20	22.9	ug/Kg	115			73	133	
	Bromomethane	20	21.8	ug/Kg	109			77	137	
	Chloroethane	20	21.9	ug/Kg	110			69	130	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	20	23.4	ug/Kg	117			81	123	
	1,1-Dichloroethene	20	22.9	ug/Kg	115			79	121	
	Acetone	100	110	ug/Kg	110			60	174	
	Carbon disulfide	20	21.2	ug/Kg	106			73	125	
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103			77	129	
	Methyl Acetate	20	21.8	ug/Kg	109			51	140	
	Methylene Chloride	20	23.9	ug/Kg	119			54	158	
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111			80	123	
	1,1-Dichloroethane	20	23.4	ug/Kg	117			82	123	
	Cyclohexane	20	22.1	ug/Kg	111			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	23.9	ug/Kg	119			76	129	
	cis-1,2-Dichloroethene	20	22.2	ug/Kg	111			82	123	
	Bromochloromethane	20	22.5	ug/Kg	113			80	127	
	Chloroform	20	23.4	ug/Kg	117			82	125	
	1,1,1-Trichloroethane	20	22.9	ug/Kg	115			80	126	
	Methylcyclohexane	20	22.4	ug/Kg	112			77	123	
	Benzene	20	23.6	ug/Kg	118			84	121	
	1,2-Dichloroethane	20	24.1	ug/Kg	121			81	126	
	Trichloroethene	20	22.5	ug/Kg	113			83	122	
	1,2-Dichloropropane	20	24.4	ug/Kg	122			83	122	
	Bromodichloromethane	20	23.6	ug/Kg	118			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	23.9	ug/Kg	119			83	122	
	t-1,3-Dichloropropene	20	21.7	ug/Kg	109			78	124	
	cis-1,3-Dichloropropene	20	22.4	ug/Kg	112			81	122	
	1,1,2-Trichloroethane	20	23.1	ug/Kg	116			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	22.4	ug/Kg	112			79	125	
	1,2-Dibromoethane	20	23.2	ug/Kg	116			80	125	
	Tetrachloroethene	20	22.9	ug/Kg	115			83	125	
	Chlorobenzene	20	22.7	ug/Kg	114			84	122	
	Ethyl Benzene	20	22.1	ug/Kg	111			82	124	
	m/p-Xylenes	40	46.4	ug/Kg	116			83	124	
	o-Xylene	20	21.5	ug/Kg	108			83	123	
	Styrene	20	22.4	ug/Kg	112			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	20.4	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	22.2	ug/Kg	111			83	122	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032531.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1125SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032532.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1125SBSD01	Dichlorodifluoromethane	20	21.5	ug/Kg	108	5		64	136	20
	Chloromethane	20	21.7	ug/Kg	109	3		73	129	15
	Vinyl chloride	20	22.0	ug/Kg	110	4		73	133	15
	Bromomethane	20	21.7	ug/Kg	109	0		77	137	15
	Chloroethane	20	22.7	ug/Kg	114	4		69	130	15
	Trichlorofluoromethane	20	21.0	ug/Kg	105	10		69	134	27
	1,1,2-Trichlorotrifluoroethane	20	22.8	ug/Kg	114	3		81	123	20
	1,1-Dichloroethene	20	22.0	ug/Kg	110	4		79	121	16
	Acetone	100	110	ug/Kg	110	0		60	174	28
	Carbon disulfide	20	21.0	ug/Kg	105	1		73	125	15
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106	3		77	129	20
	Methyl Acetate	20	22.7	ug/Kg	114	4		51	140	30
	Methylene Chloride	20	22.0	ug/Kg	110	8		54	158	20
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108	3		80	123	15
	1,1-Dichloroethane	20	22.6	ug/Kg	113	3		82	123	15
	Cyclohexane	20	21.6	ug/Kg	108	3		76	122	15
	2-Butanone	100	110	ug/Kg	110	10		69	131	29
	Carbon Tetrachloride	20	22.0	ug/Kg	110	8		76	129	15
	cis-1,2-Dichloroethene	20	22.1	ug/Kg	111	0		82	123	15
	Bromochloromethane	20	22.7	ug/Kg	114	1		80	127	15
	Chloroform	20	23.6	ug/Kg	118	1		82	125	15
	1,1,1-Trichloroethane	20	22.8	ug/Kg	114	1		80	126	15
	Methylcyclohexane	20	20.3	ug/Kg	102	9		77	123	15
	Benzene	20	21.8	ug/Kg	109	8		84	121	15
	1,2-Dichloroethane	20	22.6	ug/Kg	113	7		81	126	15
	Trichloroethene	20	21.3	ug/Kg	106	6		83	122	15
	1,2-Dichloropropane	20	22.7	ug/Kg	114	7		83	122	15
	Bromodichloromethane	20	22.1	ug/Kg	111	6		82	123	15
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	26
	Toluene	20	21.9	ug/Kg	110	8		83	122	15
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105	4		78	124	15
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	7		81	122	15
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111	4		82	125	15
	2-Hexanone	100	110	ug/Kg	110	0		66	138	27
	Dibromochloromethane	20	21.3	ug/Kg	106	6		79	125	15
	1,2-Dibromoethane	20	21.8	ug/Kg	109	6		80	125	16
	Tetrachloroethene	20	21.3	ug/Kg	106	8		83	125	15
	Chlorobenzene	20	20.6	ug/Kg	103	10		84	122	15
	Ethyl Benzene	20	20.6	ug/Kg	103	7		82	124	15
	m/p-Xylenes	40	42.2	ug/Kg	106	9		83	124	15
	o-Xylene	20	20.1	ug/Kg	101	7		83	123	15
	Styrene	20	21.5	ug/Kg	108	4		82	124	15
	Bromoform	20	19.6	ug/Kg	98	7		75	127	16
	Isopropylbenzene	20	20.0	ug/Kg	100	2		82	124	15
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	3		77	127	21
	1,3-Dichlorobenzene	20	22.0	ug/Kg	110	1		83	122	15
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	3		84	121	15
	1,2-Dichlorobenzene	20	21.0	ug/Kg	105	1		83	124	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032532.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1125SBSD01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/Kg	102	10		66	134	20
	1,2,4-Trichlorobenzene	20	21.0	ug/Kg	105	10		78	127	20
	1,2,3-Trichlorobenzene	20	21.7	ug/Kg	109	11		70	137	16

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032538.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1126SBS01	Dichlorodifluoromethane	20	23.9	ug/Kg	119			64	136	
	Chloromethane	20	24.3	ug/Kg	121			73	129	
	Vinyl chloride	20	23.7	ug/Kg	119			73	133	
	Bromomethane	20	24.4	ug/Kg	122			77	137	
	Chloroethane	20	23.2	ug/Kg	116			69	130	
	Trichlorofluoromethane	20	20.3	ug/Kg	102			69	134	
	1,1,2-Trichlorotrifluoroethane	20	24.9	ug/Kg	125	*		81	123	
	1,1-Dichloroethene	20	23.2	ug/Kg	116			79	121	
	Acetone	100	130	ug/Kg	130			60	174	
	Carbon disulfide	20	21.7	ug/Kg	109			73	125	
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108			77	129	
	Methyl Acetate	20	24.6	ug/Kg	123			51	140	
	Methylene Chloride	20	25.3	ug/Kg	127			54	158	
	trans-1,2-Dichloroethene	20	22.3	ug/Kg	112			80	123	
	1,1-Dichloroethane	20	24.0	ug/Kg	120			82	123	
	Cyclohexane	20	22.0	ug/Kg	110			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	24.0	ug/Kg	120			76	129	
	cis-1,2-Dichloroethene	20	22.4	ug/Kg	112			82	123	
	Bromochloromethane	20	24.3	ug/Kg	121			80	127	
	Chloroform	20	24.8	ug/Kg	124			82	125	
	1,1,1-Trichloroethane	20	24.2	ug/Kg	121			80	126	
	Methylcyclohexane	20	21.0	ug/Kg	105			77	123	
	Benzene	20	23.1	ug/Kg	116			84	121	
	1,2-Dichloroethane	20	25.2	ug/Kg	126			81	126	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	23.5	ug/Kg	117			83	122	
	Bromodichloromethane	20	23.7	ug/Kg	119			82	123	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			70	135	
	Toluene	20	23.1	ug/Kg	116			83	122	
	t-1,3-Dichloropropene	20	21.7	ug/Kg	109			78	124	
	cis-1,3-Dichloropropene	20	22.0	ug/Kg	110			81	122	
	1,1,2-Trichloroethane	20	23.6	ug/Kg	118			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	23.2	ug/Kg	116			79	125	
	1,2-Dibromoethane	20	22.7	ug/Kg	114			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	21.8	ug/Kg	109			84	122	
	Ethyl Benzene	20	21.4	ug/Kg	107			82	124	
	m/p-Xylenes	40	44.0	ug/Kg	110			83	124	
	o-Xylene	20	20.8	ug/Kg	104			83	123	
	Styrene	20	21.8	ug/Kg	109			82	124	
	Bromoform	20	20.6	ug/Kg	103			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/Kg	108			77	127	
	1,3-Dichlorobenzene	20	22.1	ug/Kg	111			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VW032538.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1126SBS01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3719</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Remington & Vernick</u>	Datafile :	<u>VY023831.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method: SW8260D

Client: Remington & Vernick

Datafile : VY023831.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
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	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1125SBL01

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: VW032530.D

Lab Sample ID: VW1125SBL01

Date Analyzed: 11/25/2025

Time Analyzed: 09:57

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1125SBS01	VW1125SBS01	VW032531.D	11/25/2025
VW1125SBSD01	VW1125SBSD01	VW032532.D	11/25/2025
SB-1125-10A	Q3719-01	VW032533.D	11/25/2025
SB-1125-10B	Q3719-02	VW032534.D	11/25/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1126SBL01

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: VW032537.D

Lab Sample ID: VW1126SBL01

Date Analyzed: 11/26/2025

Time Analyzed: 12:37

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1126SBS01	VW1126SBS01	VW032538.D	11/26/2025
SB-1125-11A	Q3719-03	VW032540.D	11/26/2025
SB-1125-11B	Q3719-04	VW032543.D	11/26/2025
SB-1125-12A	Q3719-05	VW032544.D	11/26/2025
SB-1125-12B	Q3719-06	VW032545.D	11/26/2025
SB-1125-14A	Q3719-07	VW032546.D	11/26/2025
SB-1125-14B	Q3719-08	VW032547.D	11/26/2025
SB-1125-15A	Q3719-09	VW032548.D	11/26/2025
SB-1125-15B	Q3719-10	VW032549.D	11/26/2025
SB-1125-16A	Q3719-11	VW032550.D	11/26/2025
SB-1125-16B	Q3719-12	VW032551.D	11/26/2025
SB-1125-17B	Q3719-14	VW032555.D	11/26/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1201SBL01

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

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
SB-1125-15ARE	Q3719-09RE	VY023833.D	12/01/2025
SB-1125-17A	Q3719-13	VY023834.D	12/01/2025

COMMENTS: _____



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: VW032405.D

BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_W

BFB Injection Time: 14:20

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	49.7
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	66.1 (98.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 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
VSTDIC005	VSTDIC005	VW032406.D	11/10/2025	15:11
VSTDIC010	VSTDIC010	VW032407.D	11/10/2025	15:33
VSTDIC020	VSTDIC020	VW032408.D	11/10/2025	15:55
VSTDIC050	VSTDIC050	VW032409.D	11/10/2025	16:17
VSTDIC100	VSTDIC100	VW032410.D	11/10/2025	16:39
VSTDIC150	VSTDIC150	VW032411.D	11/10/2025	17:00



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: VW032528.D

BFB Injection Date: 11/25/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:13

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	18.4
75	30.0 - 60.0% of mass 95	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	68.7
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	66.8 (97.2) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 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	VW032529.D	11/25/2025	09:00
VW1125SBL01	VW1125SBL01	VW032530.D	11/25/2025	09:57
VW1125SBS01	VW1125SBS01	VW032531.D	11/25/2025	10:25
VW1125SBSD01	VW1125SBSD01	VW032532.D	11/25/2025	10:46
SB-1125-10A	Q3719-01	VW032533.D	11/25/2025	13:26
SB-1125-10B	Q3719-02	VW032534.D	11/25/2025	13:48



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: VW032535.D

BFB Injection Date: 11/26/2025

Instrument ID: MSVOA_W

BFB Injection Time: 11:05

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	20.6
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	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.4
175	5.0 - 9.0% of mass 174	4.9 (7.7) 1
176	95.0 - 101.0% of mass 174	62.5 (97.1) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 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	VW032536.D	11/26/2025	12:05
VW1126SBL01	VW1126SBL01	VW032537.D	11/26/2025	12:37
VW1126SBS01	VW1126SBS01	VW032538.D	11/26/2025	13:05
SB-1125-11A	Q3719-03	VW032540.D	11/26/2025	13:49
SB-1125-11B	Q3719-04	VW032543.D	11/26/2025	14:58
SB-1125-12A	Q3719-05	VW032544.D	11/26/2025	15:20
SB-1125-12B	Q3719-06	VW032545.D	11/26/2025	15:42
SB-1125-14A	Q3719-07	VW032546.D	11/26/2025	16:04
SB-1125-14B	Q3719-08	VW032547.D	11/26/2025	16:27
SB-1125-15A	Q3719-09	VW032548.D	11/26/2025	16:49
SB-1125-15B	Q3719-10	VW032549.D	11/26/2025	17:11
SB-1125-16A	Q3719-11	VW032550.D	11/26/2025	17:33
SB-1125-16B	Q3719-12	VW032551.D	11/26/2025	17:55
SB-1125-17B	Q3719-14	VW032555.D	11/26/2025	19:23



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

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
VSTDIC005	VSTDIC005	VY023809.D	11/26/2025	08:04
VSTDIC010	VSTDIC010	VY023810.D	11/26/2025	08:27
VSTDIC020	VSTDIC020	VY023811.D	11/26/2025	08:49
VSTDIC050	VSTDIC050	VY023812.D	11/26/2025	09:17
VSTDIC100	VSTDIC100	VY023813.D	11/26/2025	09:39
VSTDIC150	VSTDIC150	VY023814.D	11/26/2025	10:02



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

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
SB-1125-15ARE	Q3719-09RE	VY023833.D	12/01/2025	10:38
SB-1125-17A	Q3719-13	VY023834.D	12/01/2025	11:25

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01
 Lab Code: ACE SDG NO.: Q3719
 Lab File ID: VW032529.D Date Analyzed: 11/25/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:00
 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	353910	7.96	659809	8.85	585550	11.63
UPPER LIMIT	707820	8.459	1319620	9.349	1171100	12.129
LOWER LIMIT	176955	7.459	329905	8.349	292775	11.129
EPA SAMPLE NO.						
SB-1125-10A	210353	7.96	491657	8.85	525721	11.63
SB-1125-10B	227021	7.97	528970	8.85	565806	11.64
VW1125SBL01	312940	7.96	616508	8.85	570663	11.63
VW1125SBS01	347685	7.95	620529	8.85	580431	11.63
VW1125SBSD01	373267	7.97	705017	8.85	657789	11.63

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3719</u>
Lab File ID:	<u>VW032529.D</u>	Date Analyzed:	<u>11/25/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>09:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	271795	13.555				
UPPER LIMIT	543590	14.055				
LOWER LIMIT	135898	13.055				
EPA SAMPLE NO.						
SB-1125-10A	234999	13.56				
SB-1125-10B	258185	13.56				
VW1125SBL01	260746	13.56				
VW1125SBS01	286931	13.56				
VW1125SBSD01	307491	13.56				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3719</u>
Lab File ID:	<u>VW032536.D</u>	Date Analyzed:	<u>11/26/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>12:05</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	353885	7.96	632151	8.85	586351	11.63
UPPER LIMIT	707770	8.459	1264300	9.349	1172700	12.129
LOWER LIMIT	176943	7.459	316076	8.349	293176	11.129
EPA SAMPLE NO.						
SB-1125-11A	193034	7.97	464802	8.86	514695	11.64
SB-1125-11B	183438	7.96	469951	8.85	532584	11.63
SB-1125-12A	186816	7.96	449736	8.86	514009	11.64
SB-1125-12B	186663	7.96	470881	8.85	539261	11.64
SB-1125-14A	200349	7.96	492902	8.85	550426	11.63
SB-1125-14B	191327	7.97	462395	8.85	513156	11.64
SB-1125-15A	176099 *	7.97	446493	8.85	510140	11.64
SB-1125-15B	181206	7.96	452149	8.86	513533	11.63
SB-1125-16A	179732	7.96	445052	8.85	515760	11.64
SB-1125-16B	189608	7.97	463920	8.85	526803	11.64
SB-1125-17B	212464	7.96	543417	8.85	642461	11.63
VW1126SBL01	322545	7.96	615508	8.85	556062	11.63
VW1126SBS01	337562	7.96	629179	8.85	578751	11.63

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3719</u>
Lab File ID:	<u>VW032536.D</u>	Date Analyzed:	<u>11/26/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>12:05</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	285431	13.555				
UPPER LIMIT	570862	14.055				
LOWER LIMIT	142716	13.055				
EPA SAMPLE NO.						
SB-1125-11A	246255	13.56				
SB-1125-11B	255138	13.56				
SB-1125-12A	231134	13.56				
SB-1125-12B	265861	13.56				
SB-1125-14A	245674	13.56				
SB-1125-14B	246111	13.56				
SB-1125-15A	256049	13.56				
SB-1125-15B	252269	13.56				
SB-1125-16A	254063	13.56				
SB-1125-16B	256014	13.56				
SB-1125-17B	328212	13.56				
VW1126SBL01	253580	13.56				
VW1126SBS01	285723	13.56				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01
Lab Code: ACE SDG NO.: Q3719
Lab File ID: VY023829.D Date Analyzed: 12/01/2025
Instrument ID: MSVOA_Y Time Analyzed: 07:55
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	565841	7.71	855261	8.62	736930	11.42
UPPER LIMIT	1131680	8.213	1710520	9.122	1473860	11.92
LOWER LIMIT	282921	7.213	427631	8.122	368465	10.92
EPA SAMPLE NO.						
SB-1125-15ARE	60762 *	7.71	124548 *	8.62	135409 *	11.42
SB-1125-17A	710245	7.71	1310532	8.62	1122921	11.42
VY1201SBL01	719047	7.71	1221329	8.62	995220	11.42
VY1201SBS01	535284	7.71	821167	8.62	693280	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI01
 Lab Code: ACE SDG NO.: Q3719
 Lab File ID: VY023829.D Date Analyzed: 12/01/2025
 Instrument ID: MSVOA_Y Time Analyzed: 07:55
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	375940	13.352				
UPPER LIMIT	751880	13.852				
LOWER LIMIT	187970	12.852				
EPA SAMPLE NO.						
SB-1125-15ARE	63239 *	13.35				
SB-1125-17A	427893	13.35				
VY1201SBL01	399677	13.35				
VY1201SBS01	360194	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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-10A
 Lab Sample ID: Q3719-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5.47 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 76.2
 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	6.00	ug/Kg	11/25/25 13:26	VW112525
74-87-3	Chloromethane	1.40	U	1	1.40	6.00	ug/Kg	11/25/25 13:26	VW112525
75-01-4	Vinyl Chloride	0.95	U	1	0.95	6.00	ug/Kg	11/25/25 13:26	VW112525
74-83-9	Bromomethane	1.30	U	1	1.30	6.00	ug/Kg	11/25/25 13:26	VW112525
75-00-3	Chloroethane	1.50	U	1	1.50	6.00	ug/Kg	11/25/25 13:26	VW112525
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.00	ug/Kg	11/25/25 13:26	VW112525
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	6.00	ug/Kg	11/25/25 13:26	VW112525
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.00	ug/Kg	11/25/25 13:26	VW112525
67-64-1	Acetone	5.70	U	1	5.70	30.0	ug/Kg	11/25/25 13:26	VW112525
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.00	ug/Kg	11/25/25 13:26	VW112525
1634-04-4	Methyl tert-butyl Ether	0.88	U	1	0.88	6.00	ug/Kg	11/25/25 13:26	VW112525
79-20-9	Methyl Acetate	1.80	U	1	1.80	6.00	ug/Kg	11/25/25 13:26	VW112525
75-09-2	Methylene Chloride	4.20	U	1	4.20	12.0	ug/Kg	11/25/25 13:26	VW112525
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	6.00	ug/Kg	11/25/25 13:26	VW112525
75-34-3	1,1-Dichloroethane	0.96	U	1	0.96	6.00	ug/Kg	11/25/25 13:26	VW112525
110-82-7	Cyclohexane	0.95	U	1	0.95	6.00	ug/Kg	11/25/25 13:26	VW112525
78-93-3	2-Butanone	7.80	U	1	7.80	30.0	ug/Kg	11/25/25 13:26	VW112525
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.00	ug/Kg	11/25/25 13:26	VW112525
156-59-2	cis-1,2-Dichloroethene	0.90	U	1	0.90	6.00	ug/Kg	11/25/25 13:26	VW112525
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.00	ug/Kg	11/25/25 13:26	VW112525
67-66-3	Chloroform	1.00	U	1	1.00	6.00	ug/Kg	11/25/25 13:26	VW112525
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
71-43-2	Benzene	0.95	U	1	0.95	6.00	ug/Kg	11/25/25 13:26	VW112525
107-06-2	1,2-Dichloroethane	0.95	U	1	0.95	6.00	ug/Kg	11/25/25 13:26	VW112525
79-01-6	Trichloroethene	0.97	U	1	0.97	6.00	ug/Kg	11/25/25 13:26	VW112525
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
75-27-4	Bromodichloromethane	0.94	U	1	0.94	6.00	ug/Kg	11/25/25 13:26	VW112525
108-10-1	4-Methyl-2-Pentanone	4.30	U	1	4.30	30.0	ug/Kg	11/25/25 13:26	VW112525
108-88-3	Toluene	0.94	U	1	0.94	6.00	ug/Kg	11/25/25 13:26	VW112525
10061-02-6	t-1,3-Dichloropropene	0.78	U	1	0.78	6.00	ug/Kg	11/25/25 13:26	VW112525
10061-01-5	cis-1,3-Dichloropropene	0.74	U	1	0.74	6.00	ug/Kg	11/25/25 13:26	VW112525
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
591-78-6	2-Hexanone	4.40	U	1	4.40	30.0	ug/Kg	11/25/25 13:26	VW112525
124-48-1	Dibromochloromethane	1.00	U	1	1.00	6.00	ug/Kg	11/25/25 13:26	VW112525
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.00	ug/Kg	11/25/25 13:26	VW112525
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.00	ug/Kg	11/25/25 13:26	VW112525
100-41-4	Ethyl Benzene	0.80	U	1	0.80	6.00	ug/Kg	11/25/25 13:26	VW112525
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.0	ug/Kg	11/25/25 13:26	VW112525
95-47-6	o-Xylene	0.98	U	1	0.98	6.00	ug/Kg	11/25/25 13:26	VW112525
100-42-5	Styrene	0.85	U	1	0.85	6.00	ug/Kg	11/25/25 13:26	VW112525
75-25-2	Bromoform	1.00	U	1	1.00	6.00	ug/Kg	11/25/25 13:26	VW112525



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-10A	SDG No.:	Q3719
Lab Sample ID:	Q3719-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.2
Sample Wt/Vol:	5.47 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.94	U	1	0.94	6.00	ug/Kg	11/25/25 13:26	VW112525
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.00	ug/Kg	11/25/25 13:26	VW112525
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.00	ug/Kg	11/25/25 13:26	VW112525
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.00	ug/Kg	11/25/25 13:26	VW112525
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	6.00	ug/Kg	11/25/25 13:26	VW112525
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.00	ug/Kg	11/25/25 13:26	VW112525
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.00	ug/Kg	11/25/25 13:26	VW112525
87-61-6	1,2,3-Trichlorobenzene	3.80	U	1	3.80	6.00	ug/Kg	11/25/25 13:26	VW112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.0			63 - 155	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.7			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	46.2			74 - 123	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.9			52 - 138	108%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	210000							
540-36-3	1,4-Difluorobenzene	492000							
3114-55-4	Chlorobenzene-d5	526000							
3855-82-1	1,4-Dichlorobenzene-d4	235000							

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_W\Data\VW112525\
 Data File : VW032533.D
 Acq On : 25 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3719-01
 Misc : 5.47g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10A

Quant Time: Nov 26 01:39:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	210353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	491657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	525721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234999	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	160089	59.031	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.060%
35) Dibromofluoromethane	7.892	113	152050	51.653	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.300%
50) Toluene-d8	10.325	98	522272	46.248	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.617	95	229919	53.896	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.800%

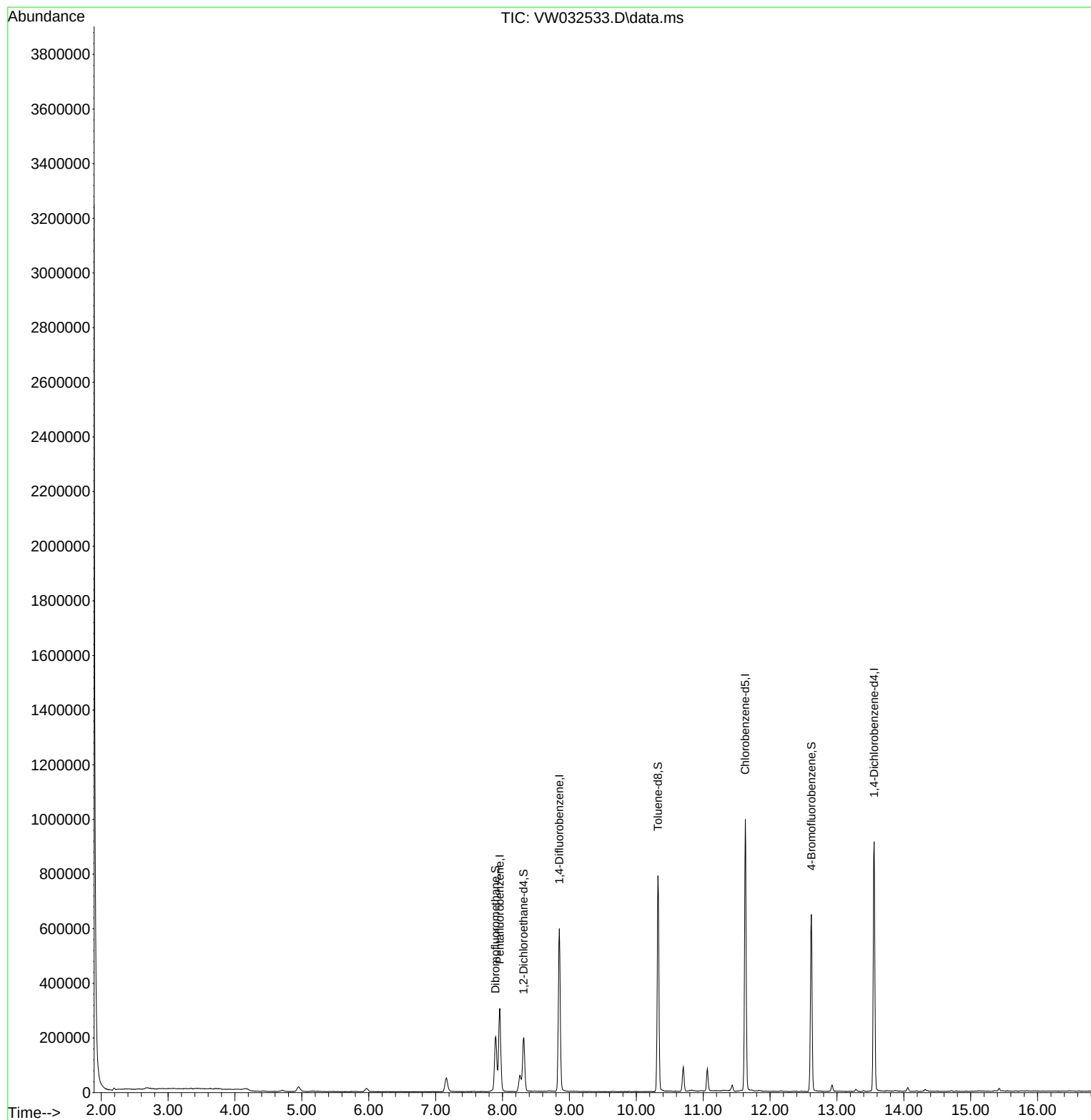
Target Compounds	Qvalue

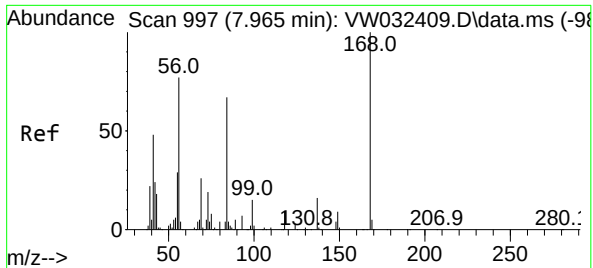
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032533.D
Acq On : 25 Nov 2025 13:26
Operator : SY/MD
Sample : Q3719-01
Misc : 5.47g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Quant Time: Nov 26 01:39:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

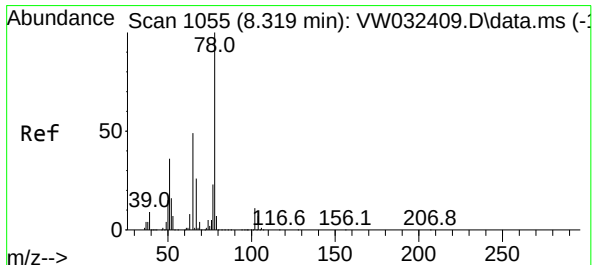
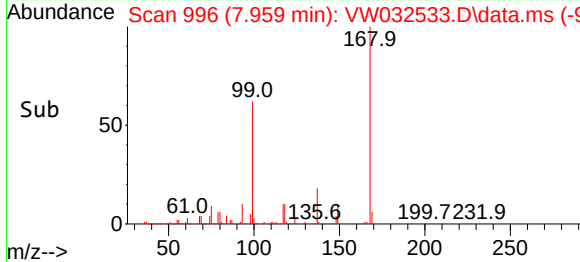
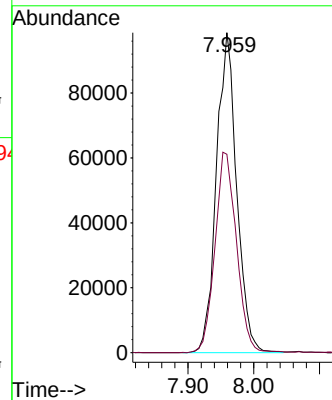
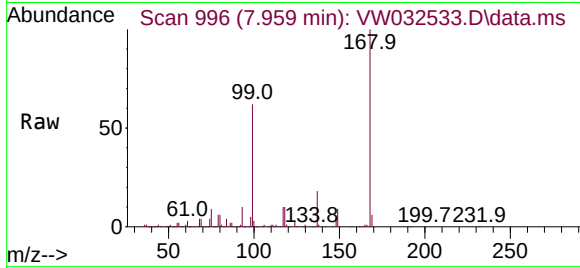




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

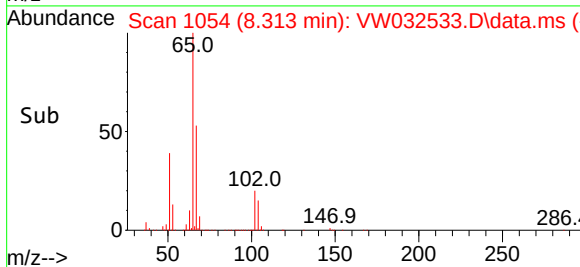
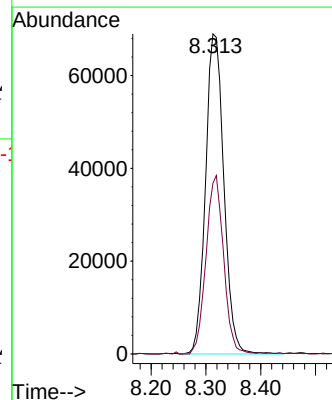
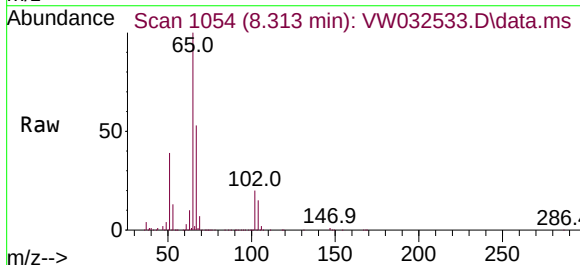
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

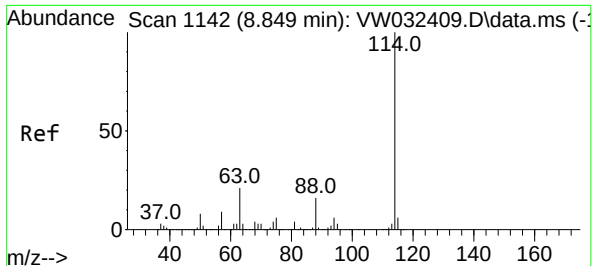
Tgt Ion:168 Resp: 210353
Ion Ratio Lower Upper
168 100
99 61.9 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 59.031 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 65 Resp: 160089
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032533.D

Acq: 25 Nov 2025 13:26

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-10A

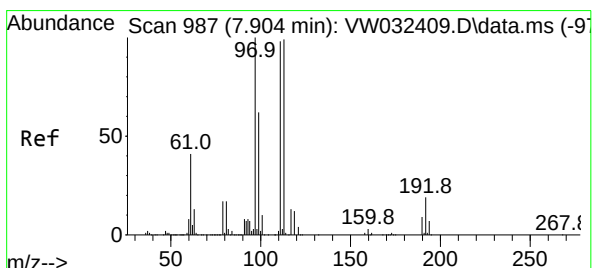
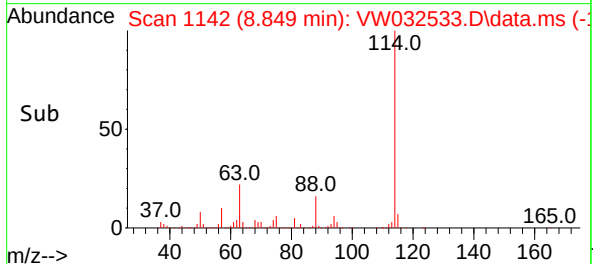
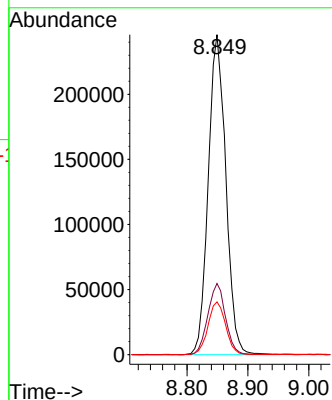
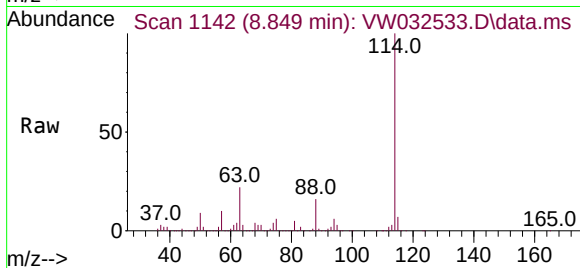
Tgt Ion:114 Resp: 491657

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.653 ug/l

RT: 7.892 min Scan# 985

Delta R.T. -0.012 min

Lab File: VW032533.D

Acq: 25 Nov 2025 13:26

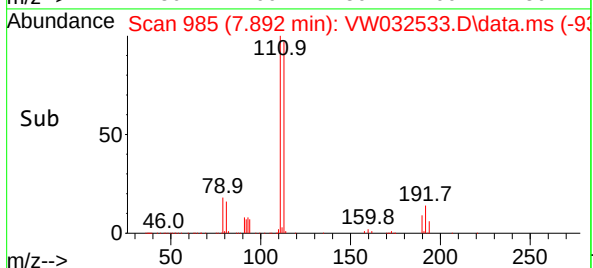
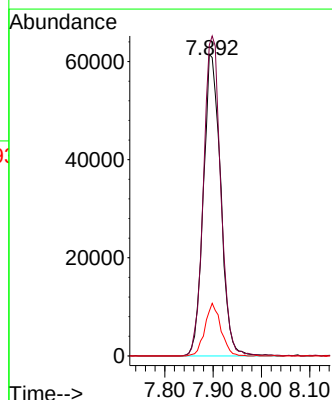
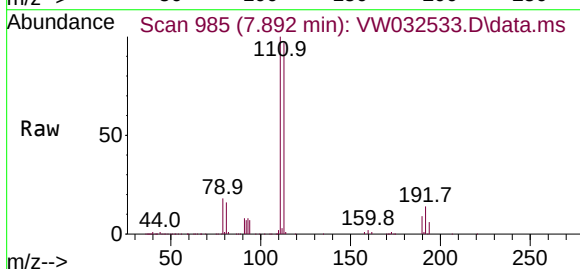
Tgt Ion:113 Resp: 152050

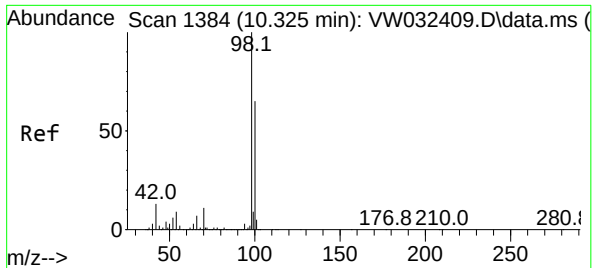
Ion Ratio Lower Upper

113 100

111 105.9 83.1 124.7

192 16.1 13.4 20.2

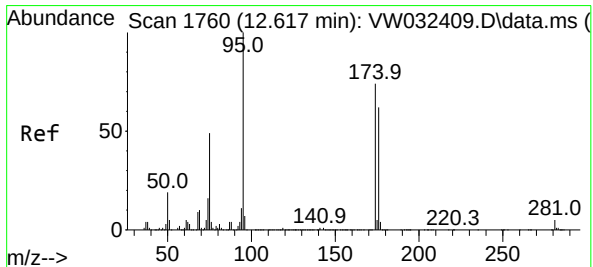
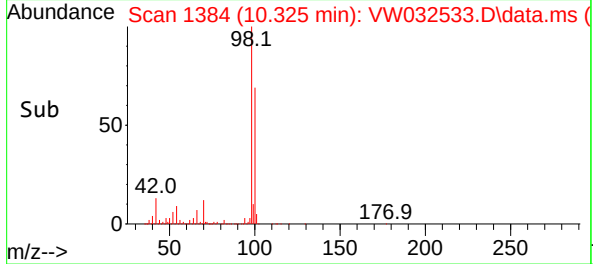
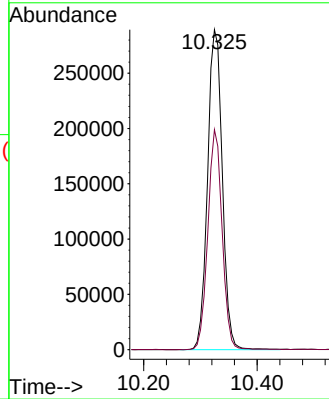
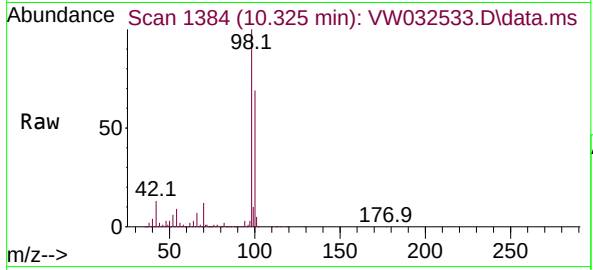




#50
Toluene-d8
Concen: 46.248 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

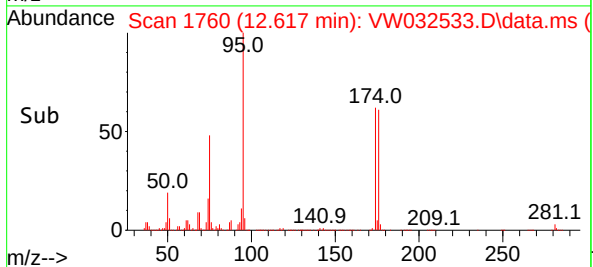
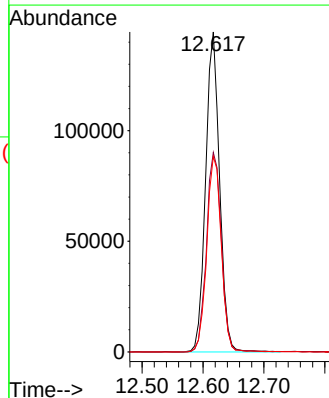
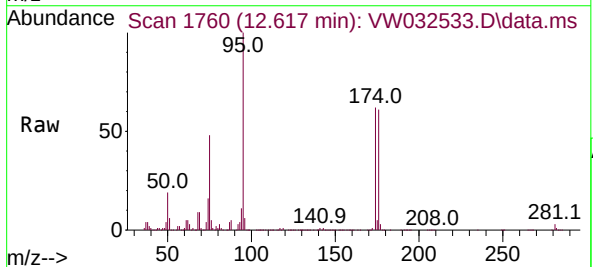
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

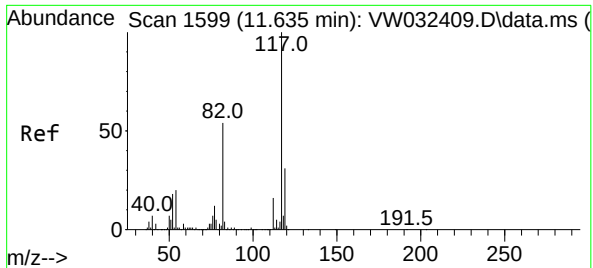
Tgt Ion: 98 Resp: 522272
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.896 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 95 Resp: 229919
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.4
176 63.3 0.0 131.8

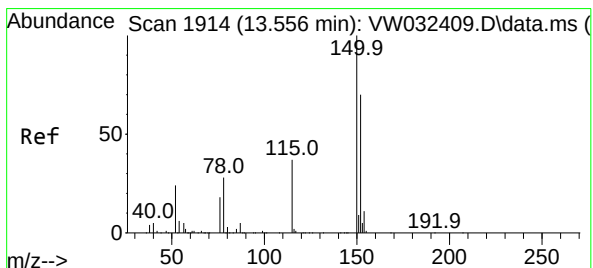
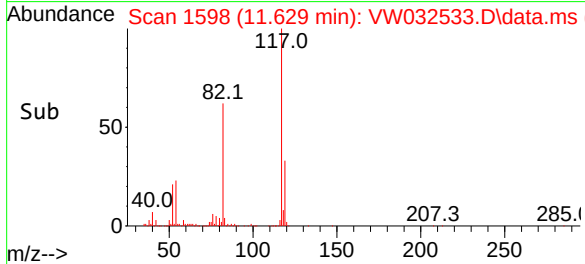
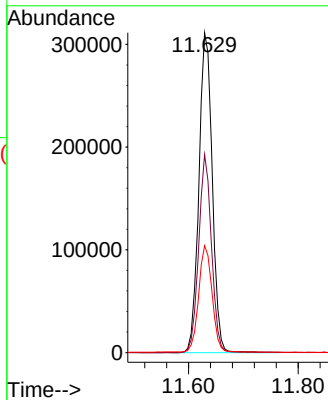
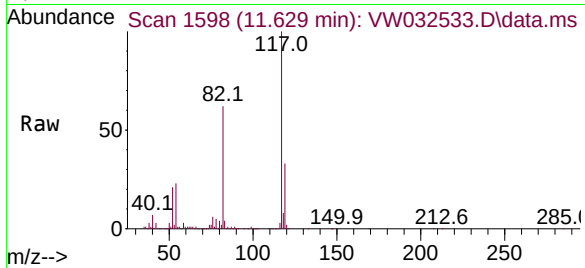




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

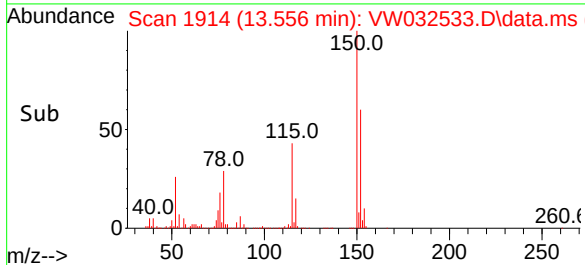
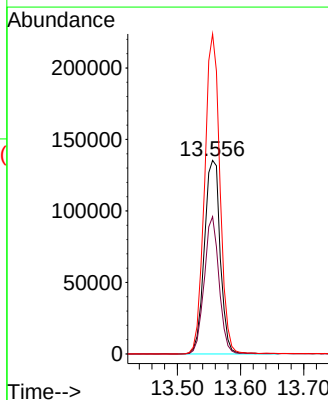
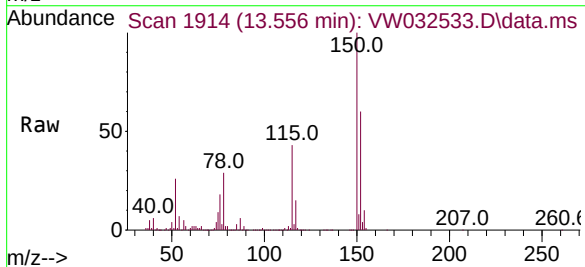
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Tgt Ion:117 Resp: 525721
Ion Ratio Lower Upper
117 100
82 61.9 43.0 64.4
119 33.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion:152 Resp: 234999
Ion Ratio Lower Upper
152 100
115 66.1 32.8 98.3
150 159.3 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032533.D
 Acq On : 25 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3719-01
 Misc : 5.47g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10A

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032533.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	518	rVB3	17142	56601	3.42%	0.607%
2	5.966	659	669	678	rBV3	12254	38768	2.35%	0.416%
3	7.160	853	865	877	rBV	50740	149866	9.07%	1.607%
4	7.898	968	986	991	rBV2	200887	521263	31.53%	5.588%
5	7.959	991	996	1008	rVB	303624	668811	40.46%	7.170%
6	8.258	1035	1045	1049	rBV	59408	151759	9.18%	1.627%
7	8.319	1049	1055	1067	rVB	195324	454490	27.49%	4.872%
8	8.849	1133	1142	1155	rBV	595372	1194960	72.29%	12.811%
9	10.325	1376	1384	1400	rBV	790262	1422234	86.04%	15.247%
10	10.703	1437	1446	1453	rBV	89220	164715	9.96%	1.766%
11	11.062	1498	1505	1512	rBV	81729	138125	8.36%	1.481%
12	11.434	1557	1566	1573	rVB2	22495	45495	2.75%	0.488%
13	11.629	1591	1598	1607	rBV	991773	1653068	100.00%	17.722%
14	12.617	1752	1760	1772	rBV	648047	1111029	67.21%	11.911%
15	12.928	1805	1811	1818	rVB2	22671	39225	2.37%	0.421%
16	13.556	1907	1914	1923	rBV	912521	1517251	91.78%	16.266%

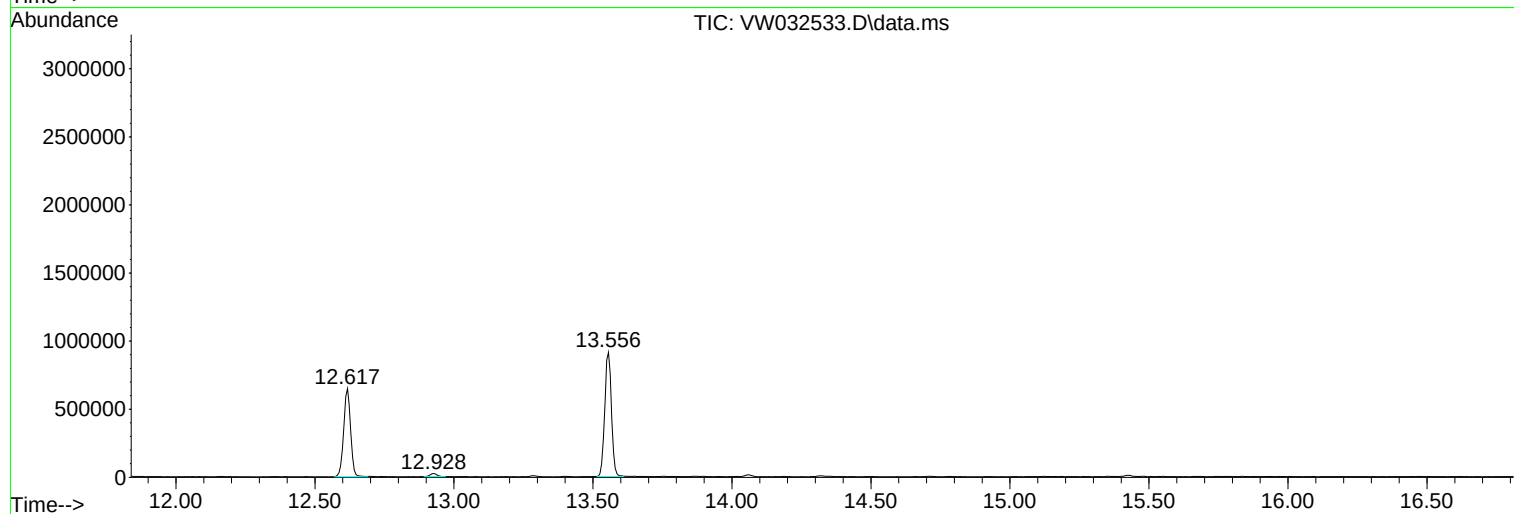
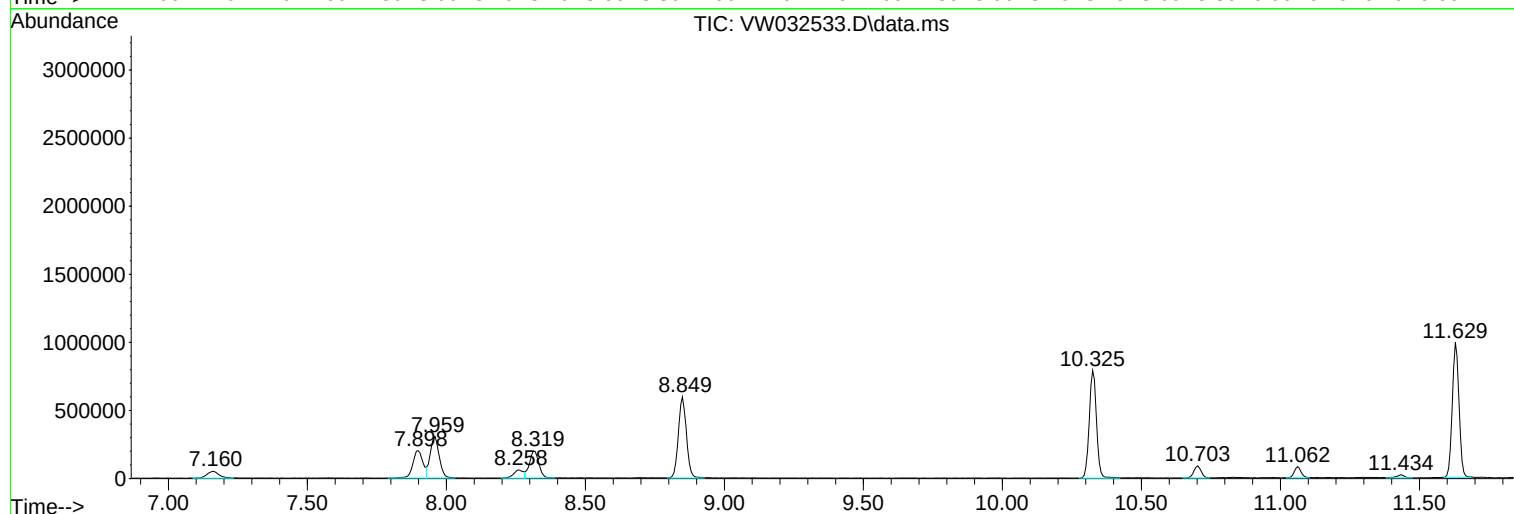
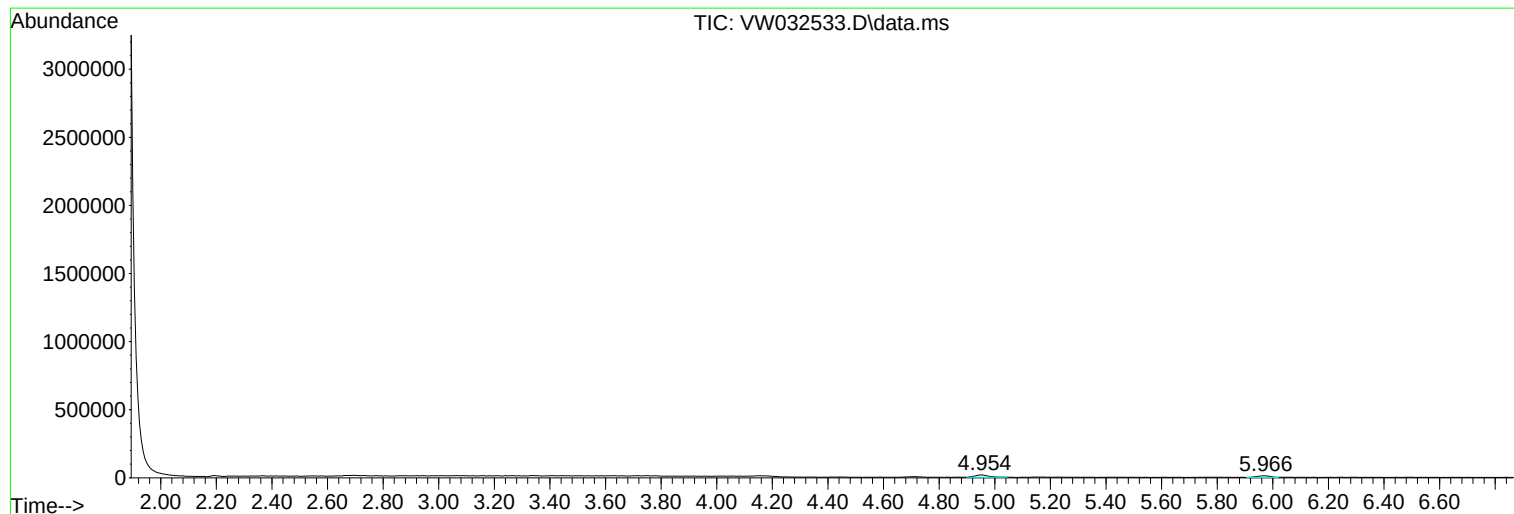
Sum of corrected areas: 9327660

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032533.D
Acq On : 25 Nov 2025 13:26
Operator : SY/MD
Sample : Q3719-01
Misc : 5.47g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032533.D
Acq On : 25 Nov 2025 13:26
Operator : SY/MD
Sample : Q3719-01
Misc : 5.47g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112525\
Data File : VW032533.D
Acq On : 25 Nov 2025 13:26
Operator : SY/MD
Sample : Q3719-01
Misc : 5.47g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-10B
 Lab Sample ID: Q3719-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5.28 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 86.5
 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	5.50	ug/Kg	11/25/25 13:48	VW112525
74-87-3	Chloromethane	1.20	U	1	1.20	5.50	ug/Kg	11/25/25 13:48	VW112525
75-01-4	Vinyl Chloride	0.86	U	1	0.86	5.50	ug/Kg	11/25/25 13:48	VW112525
74-83-9	Bromomethane	1.20	U	1	1.20	5.50	ug/Kg	11/25/25 13:48	VW112525
75-00-3	Chloroethane	1.40	U	1	1.40	5.50	ug/Kg	11/25/25 13:48	VW112525
75-69-4	Trichlorofluoromethane	1.30	U	1	1.30	5.50	ug/Kg	11/25/25 13:48	VW112525
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.50	ug/Kg	11/25/25 13:48	VW112525
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.50	ug/Kg	11/25/25 13:48	VW112525
67-64-1	Acetone	5.20	U	1	5.20	27.4	ug/Kg	11/25/25 13:48	VW112525
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.50	ug/Kg	11/25/25 13:48	VW112525
1634-04-4	Methyl tert-butyl Ether	0.80	U	1	0.80	5.50	ug/Kg	11/25/25 13:48	VW112525
79-20-9	Methyl Acetate	1.70	U	1	1.70	5.50	ug/Kg	11/25/25 13:48	VW112525
75-09-2	Methylene Chloride	3.90	U	1	3.90	10.9	ug/Kg	11/25/25 13:48	VW112525
156-60-5	trans-1,2-Dichloroethene	0.94	U	1	0.94	5.50	ug/Kg	11/25/25 13:48	VW112525
75-34-3	1,1-Dichloroethane	0.88	U	1	0.88	5.50	ug/Kg	11/25/25 13:48	VW112525
110-82-7	Cyclohexane	0.86	U	1	0.86	5.50	ug/Kg	11/25/25 13:48	VW112525
78-93-3	2-Butanone	7.20	U	1	7.20	27.4	ug/Kg	11/25/25 13:48	VW112525
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.50	ug/Kg	11/25/25 13:48	VW112525
156-59-2	cis-1,2-Dichloroethene	0.82	U	1	0.82	5.50	ug/Kg	11/25/25 13:48	VW112525
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.50	ug/Kg	11/25/25 13:48	VW112525
67-66-3	Chloroform	0.92	U	1	0.92	5.50	ug/Kg	11/25/25 13:48	VW112525
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.50	ug/Kg	11/25/25 13:48	VW112525
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.50	ug/Kg	11/25/25 13:48	VW112525
71-43-2	Benzene	0.86	U	1	0.86	5.50	ug/Kg	11/25/25 13:48	VW112525
107-06-2	1,2-Dichloroethane	0.86	U	1	0.86	5.50	ug/Kg	11/25/25 13:48	VW112525
79-01-6	Trichloroethene	0.89	U	1	0.89	5.50	ug/Kg	11/25/25 13:48	VW112525
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.50	ug/Kg	11/25/25 13:48	VW112525
75-27-4	Bromodichloromethane	0.85	U	1	0.85	5.50	ug/Kg	11/25/25 13:48	VW112525
108-10-1	4-Methyl-2-Pentanone	3.90	U	1	3.90	27.4	ug/Kg	11/25/25 13:48	VW112525
108-88-3	Toluene	0.85	U	1	0.85	5.50	ug/Kg	11/25/25 13:48	VW112525
10061-02-6	t-1,3-Dichloropropene	0.71	U	1	0.71	5.50	ug/Kg	11/25/25 13:48	VW112525
10061-01-5	cis-1,3-Dichloropropene	0.68	U	1	0.68	5.50	ug/Kg	11/25/25 13:48	VW112525
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.50	ug/Kg	11/25/25 13:48	VW112525
591-78-6	2-Hexanone	4.00	U	1	4.00	27.4	ug/Kg	11/25/25 13:48	VW112525
124-48-1	Dibromochloromethane	0.95	U	1	0.95	5.50	ug/Kg	11/25/25 13:48	VW112525
106-93-4	1,2-Dibromoethane	0.96	U	1	0.96	5.50	ug/Kg	11/25/25 13:48	VW112525
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.50	ug/Kg	11/25/25 13:48	VW112525
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.50	ug/Kg	11/25/25 13:48	VW112525
100-41-4	Ethyl Benzene	0.73	U	1	0.73	5.50	ug/Kg	11/25/25 13:48	VW112525
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	10.9	ug/Kg	11/25/25 13:48	VW112525
95-47-6	o-Xylene	0.90	U	1	0.90	5.50	ug/Kg	11/25/25 13:48	VW112525
100-42-5	Styrene	0.78	U	1	0.78	5.50	ug/Kg	11/25/25 13:48	VW112525
75-25-2	Bromoform	0.94	U	1	0.94	5.50	ug/Kg	11/25/25 13:48	VW112525



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-10B	SDG No.:	Q3719
Lab Sample ID:	Q3719-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	5.28 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.85	U	1	0.85	5.50	ug/Kg	11/25/25 13:48	VW112525
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1	1.30	5.50	ug/Kg	11/25/25 13:48	VW112525
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.50	ug/Kg	11/25/25 13:48	VW112525
106-46-7	1,4-Dichlorobenzene	1.70	U	1	1.70	5.50	ug/Kg	11/25/25 13:48	VW112525
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.50	ug/Kg	11/25/25 13:48	VW112525
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	1	2.00	5.50	ug/Kg	11/25/25 13:48	VW112525
120-82-1	1,2,4-Trichlorobenzene	3.30	U	1	3.30	5.50	ug/Kg	11/25/25 13:48	VW112525
87-61-6	1,2,3-Trichlorobenzene	3.50	U	1	3.50	5.50	ug/Kg	11/25/25 13:48	VW112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.4			63 - 155	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.4			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	44.4			74 - 123	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.4			52 - 138	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	227000							
540-36-3	1,4-Difluorobenzene	529000							
3114-55-4	Chlorobenzene-d5	566000							
3855-82-1	1,4-Dichlorobenzene-d4	258000							

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_W\Data\VW112525\
 Data File : VW032534.D
 Acq On : 25 Nov 2025 13:48
 Operator : SY/MD
 Sample : Q3719-02
 Misc : 5.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10B

Quant Time: Nov 26 01:40:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	227021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	528970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	565806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	258185	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162152	55.402	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.800%
35) Dibromofluoromethane	7.898	113	156487	49.411	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.820%
50) Toluene-d8	10.325	98	539022	44.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.720%
62) 4-Bromofluorobenzene	12.617	95	235894	51.396	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.800%

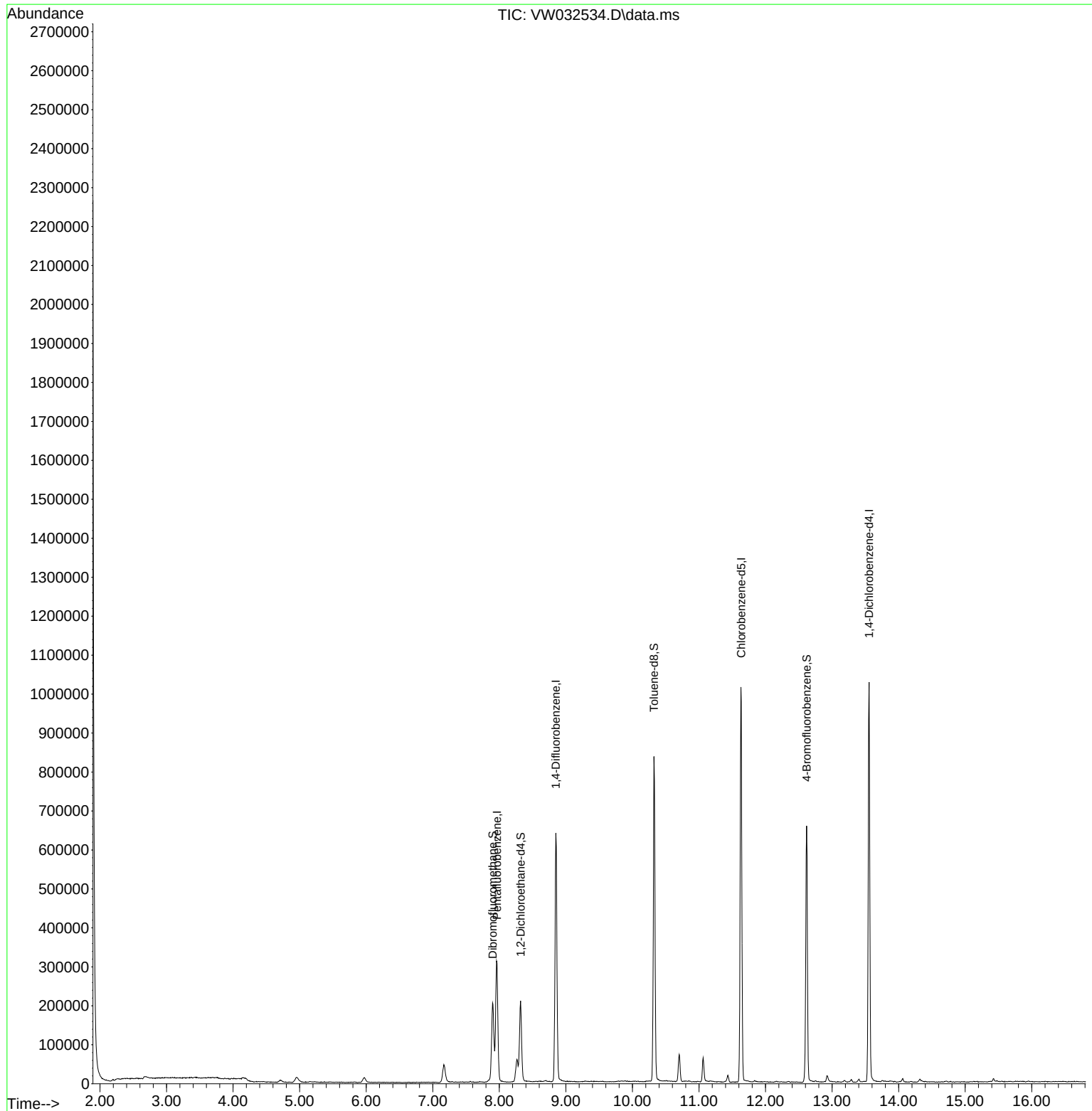
Target Compounds	Qvalue

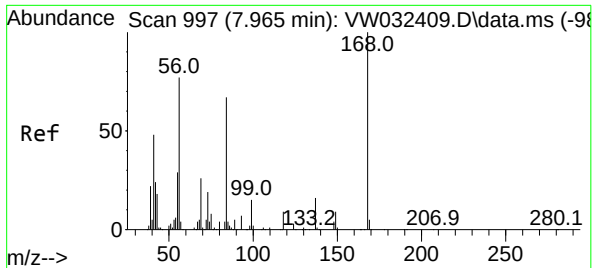
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032534.D
Acq On : 25 Nov 2025 13:48
Operator : SY/MD
Sample : Q3719-02
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Quant Time: Nov 26 01:40:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

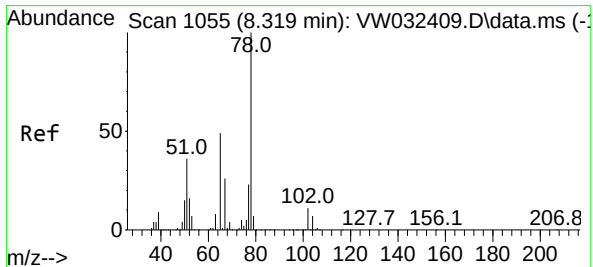
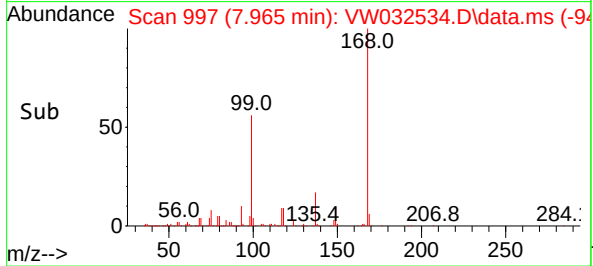
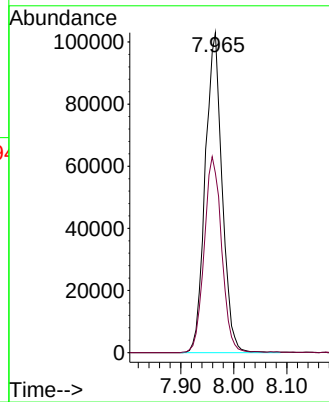
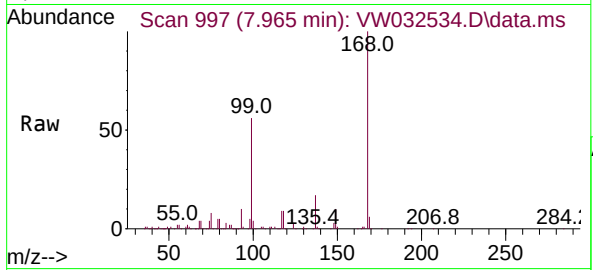




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

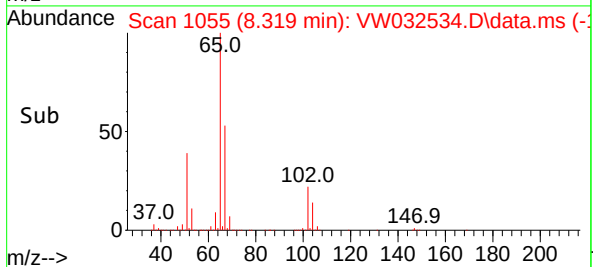
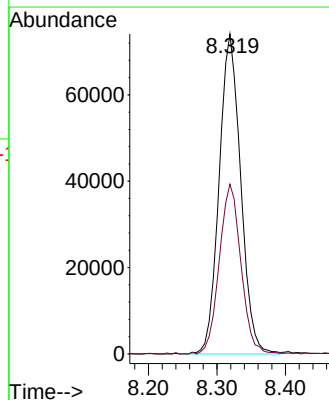
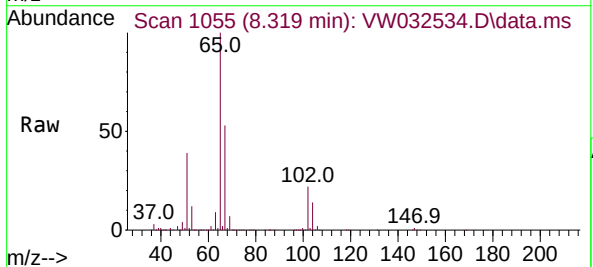
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

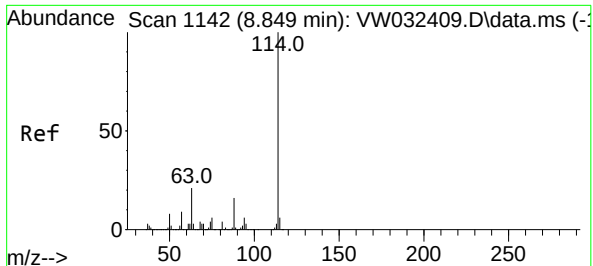
Tgt Ion:168 Resp: 227021
Ion Ratio Lower Upper
168 100
99 56.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 55.402 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 65 Resp: 162152
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032534.D

Acq: 25 Nov 2025 13:48

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-10B

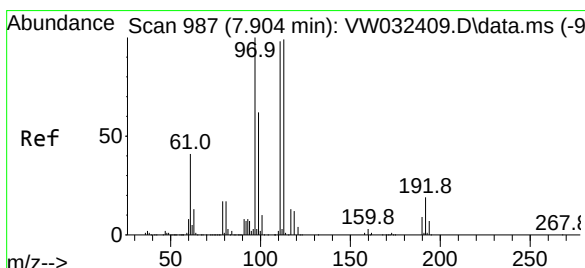
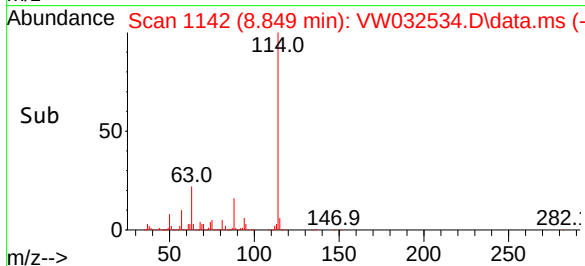
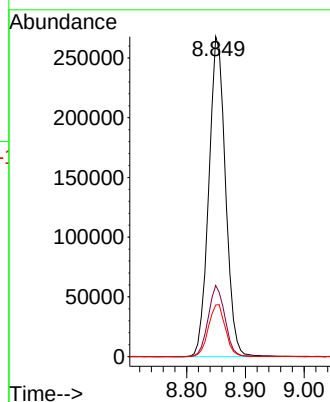
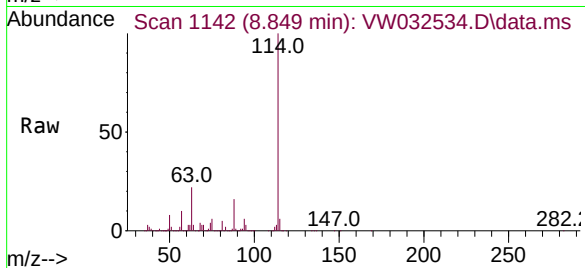
Tgt Ion:114 Resp: 528970

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.411 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032534.D

Acq: 25 Nov 2025 13:48

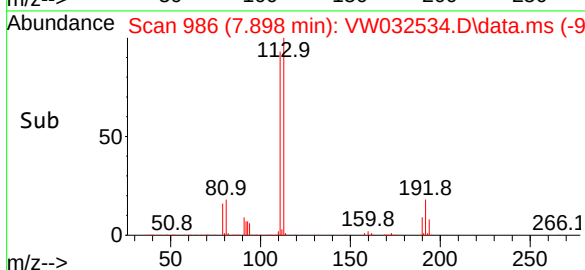
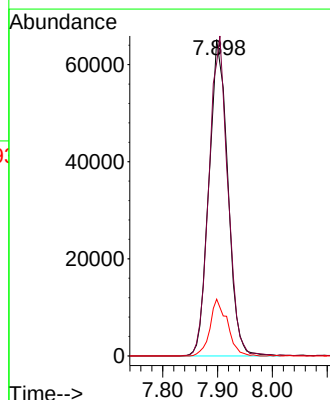
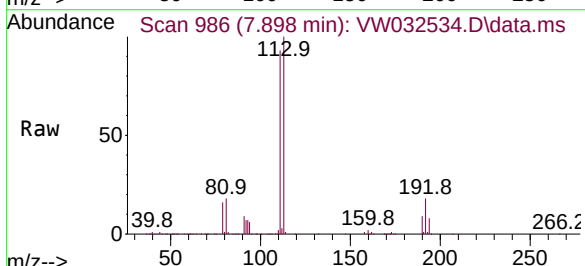
Tgt Ion:113 Resp: 156487

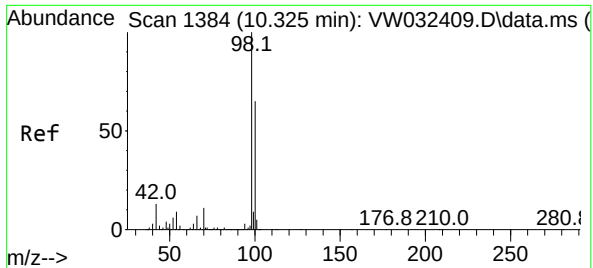
Ion Ratio Lower Upper

113 100

111 100.6 83.1 124.7

192 16.5 13.4 20.2

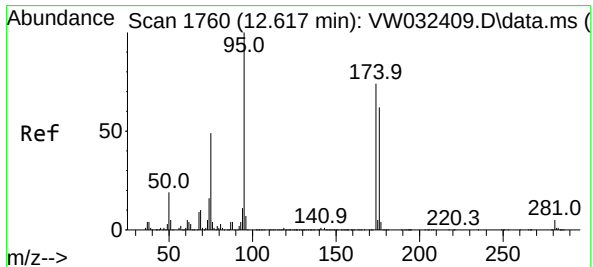
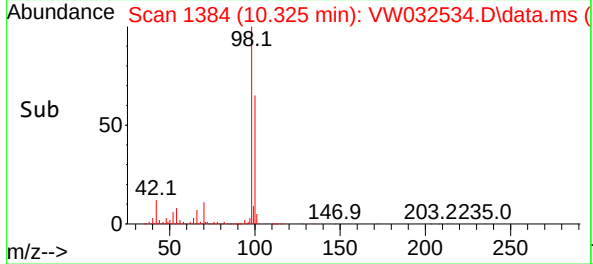
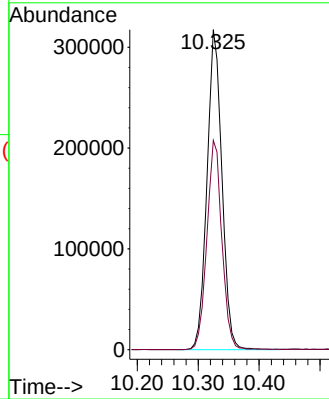
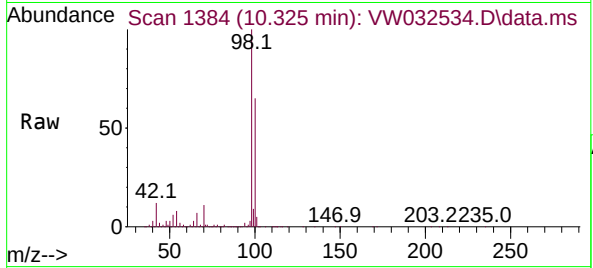




#50
Toluene-d8
Concen: 44.364 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

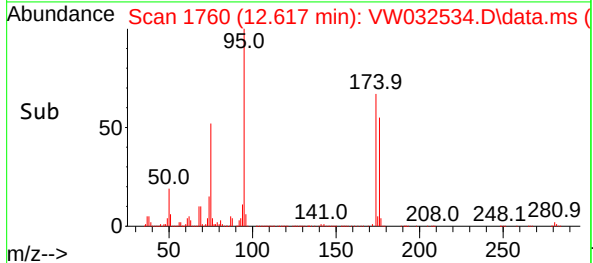
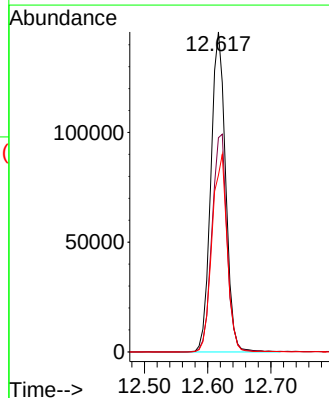
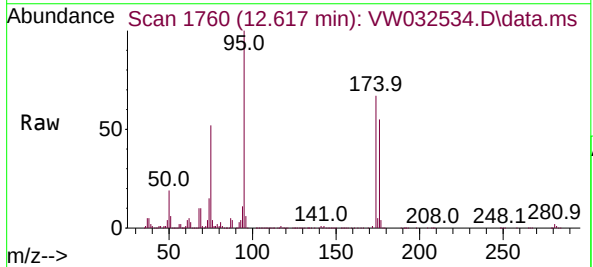
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

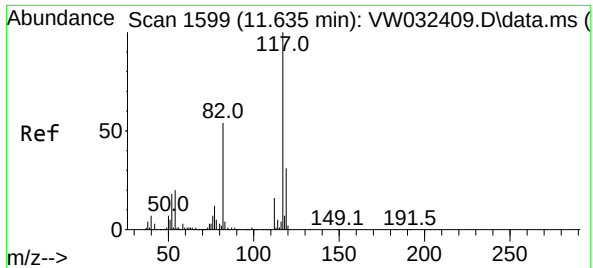
Tgt Ion: 98 Resp: 539022
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 51.396 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 95 Resp: 235894
Ion Ratio Lower Upper
95 100
174 69.1 0.0 135.4
176 63.2 0.0 131.8

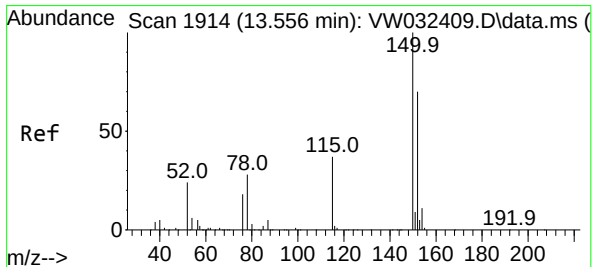
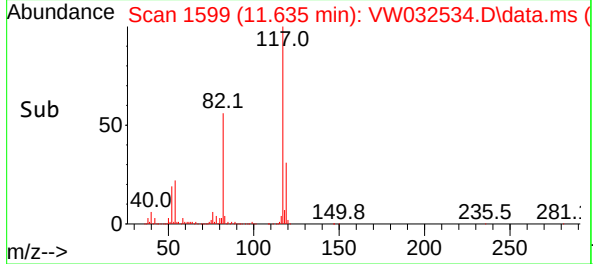
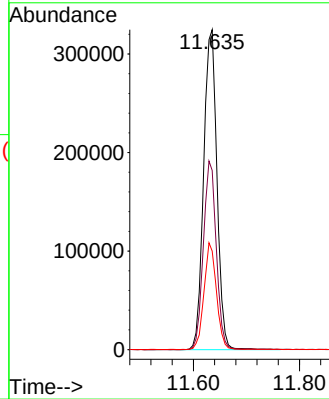
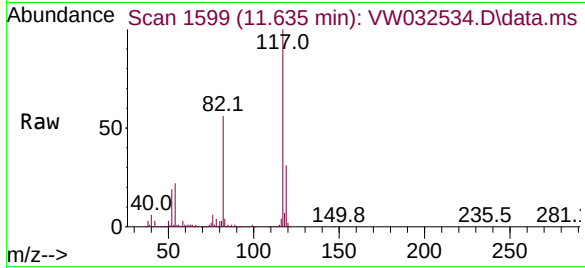




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

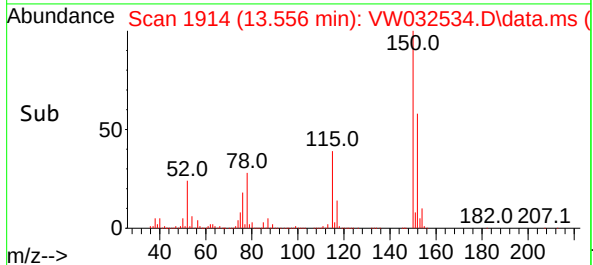
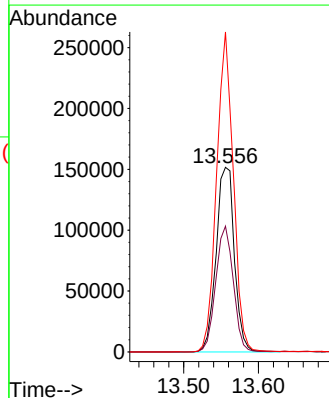
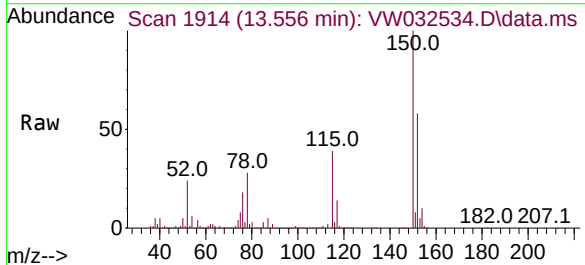
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Tgt Ion:117 Resp: 565806
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.4
119 30.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion:152 Resp: 258185
Ion Ratio Lower Upper
152 100
115 65.4 32.8 98.3
150 158.1 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032534.D
Acq On : 25 Nov 2025 13:48
Operator : SY/MD
Sample : Q3719-02
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	493	503	516	rBV2	13124	51017	2.91%	0.528%
2	5.972	660	670	679	rBV4	12467	38510	2.19%	0.399%
3	7.167	856	866	880	rBV	45815	136880	7.80%	1.417%
4	7.898	970	986	991	rBV	203494	510570	29.08%	5.286%
5	7.959	991	996	1008	rVB	309596	715821	40.77%	7.410%
6	8.264	1038	1046	1049	rBV	56937	131308	7.48%	1.359%
7	8.319	1049	1055	1067	rVB	206210	463446	26.39%	4.798%
8	8.849	1132	1142	1158	rBV	638420	1290920	73.52%	13.364%
9	10.325	1374	1384	1393	rBV	833669	1440843	82.06%	14.916%
10	10.703	1437	1446	1454	rBV	69642	134385	7.65%	1.391%
11	11.062	1498	1505	1514	rBV	62177	112774	6.42%	1.167%
12	11.434	1560	1566	1571	rVB2	17809	31547	1.80%	0.327%
13	11.629	1590	1598	1607	rBV	1014189	1755814	100.00%	18.177%
14	12.617	1748	1760	1775	rBV2	658441	1147443	65.35%	11.879%
15	12.922	1806	1810	1819	rBV2	15465	30990	1.76%	0.321%
16	13.556	1907	1914	1926	rBV	1024916	1667384	94.96%	17.261%

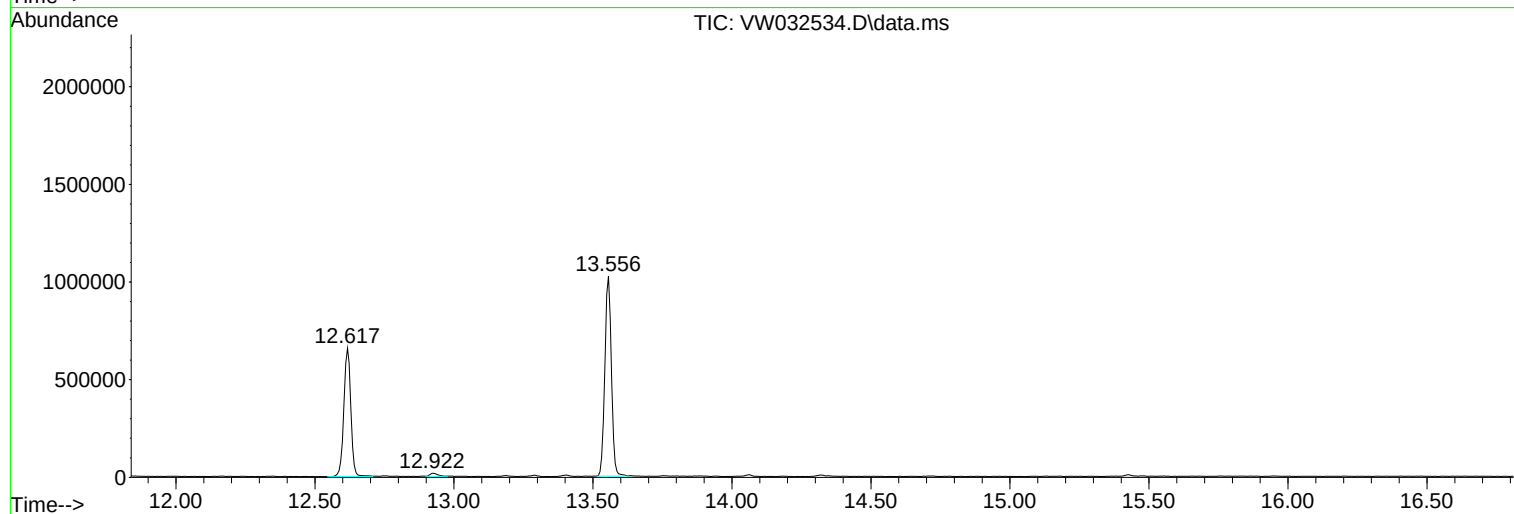
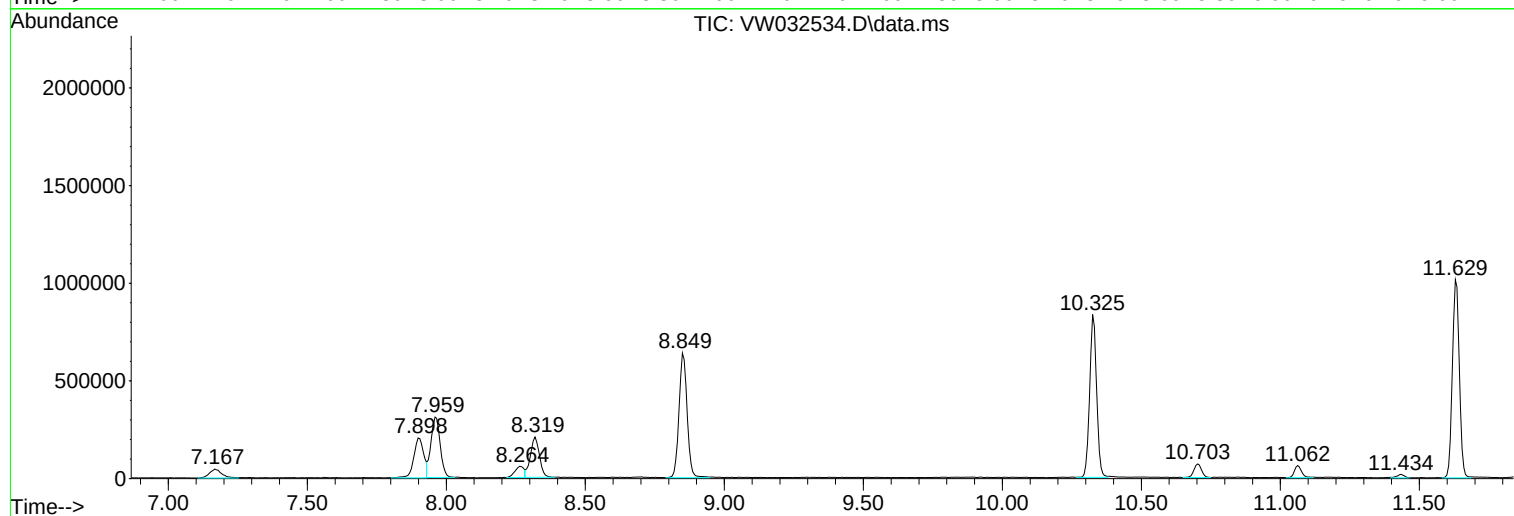
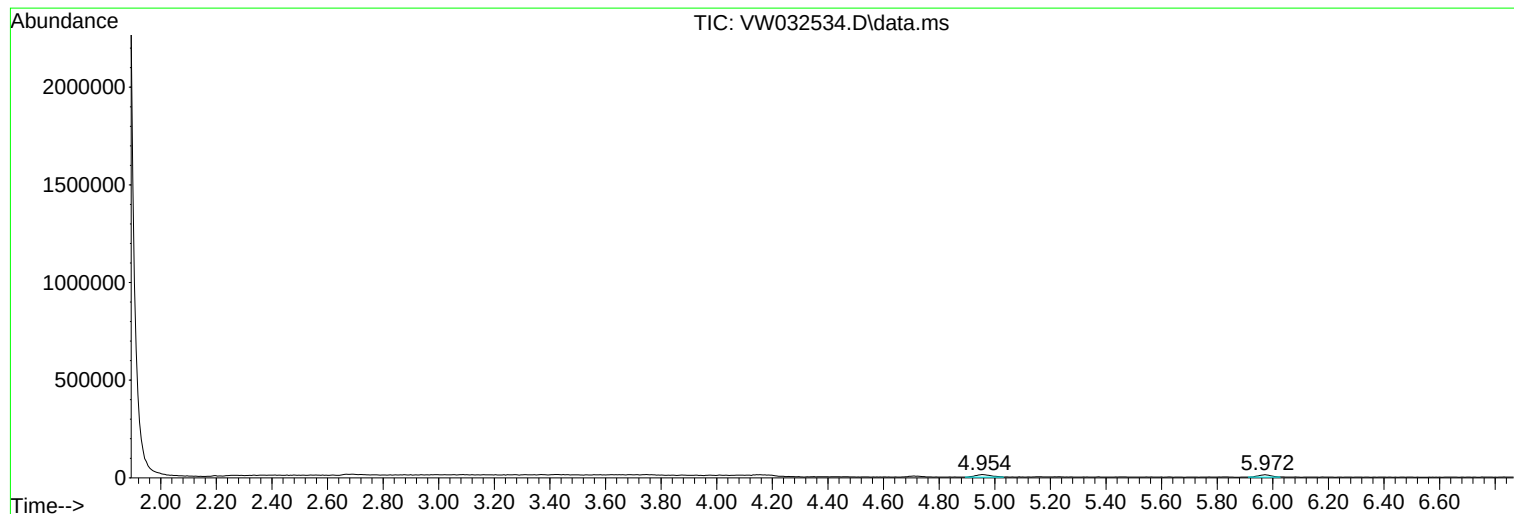
Sum of corrected areas: 9659652

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032534.D
Acq On : 25 Nov 2025 13:48
Operator : SY/MD
Sample : Q3719-02
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032534.D
Acq On : 25 Nov 2025 13:48
Operator : SY/MD
Sample : Q3719-02
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112525\
Data File : VW032534.D
Acq On : 25 Nov 2025 13:48
Operator : SY/MD
Sample : Q3719-02
Misc : 5.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: SB-1125-11A
Lab Sample ID: Q3719-03
Analytical Method: 8260D
Sample Wt/Vol: 4.45 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/25/25
SDG No.: Q3719
Matrix: SOIL
% Solid: 80.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60	U	1	1.60	7.00	ug/Kg	11/26/25 13:49	VW112625
74-87-3	Chloromethane	1.60	U	1	1.60	7.00	ug/Kg	11/26/25 13:49	VW112625
75-01-4	Vinyl Chloride	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
74-83-9	Bromomethane	1.50	U	1	1.50	7.00	ug/Kg	11/26/25 13:49	VW112625
75-00-3	Chloroethane	1.80	U	1	1.80	7.00	ug/Kg	11/26/25 13:49	VW112625
75-69-4	Trichlorofluoromethane	1.70	U	1	1.70	7.00	ug/Kg	11/26/25 13:49	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	UQ	1	1.50	7.00	ug/Kg	11/26/25 13:49	VW112625
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	7.00	ug/Kg	11/26/25 13:49	VW112625
67-64-1	Acetone	6.60	U	1	6.60	35.0	ug/Kg	11/26/25 13:49	VW112625
75-15-0	Carbon Disulfide	1.50	U	1	1.50	7.00	ug/Kg	11/26/25 13:49	VW112625
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	1.00	7.00	ug/Kg	11/26/25 13:49	VW112625
79-20-9	Methyl Acetate	2.20	U	1	2.20	7.00	ug/Kg	11/26/25 13:49	VW112625
75-09-2	Methylene Chloride	4.90	U	1	4.90	14.0	ug/Kg	11/26/25 13:49	VW112625
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	7.00	ug/Kg	11/26/25 13:49	VW112625
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
110-82-7	Cyclohexane	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
78-93-3	2-Butanone	9.20	U	1	9.20	35.0	ug/Kg	11/26/25 13:49	VW112625
56-23-5	Carbon Tetrachloride	1.40	U	1	1.40	7.00	ug/Kg	11/26/25 13:49	VW112625
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	1.00	7.00	ug/Kg	11/26/25 13:49	VW112625
74-97-5	Bromochloromethane	1.60	U	1	1.60	7.00	ug/Kg	11/26/25 13:49	VW112625
67-66-3	Chloroform	1.20	U	1	1.20	7.00	ug/Kg	11/26/25 13:49	VW112625
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	7.00	ug/Kg	11/26/25 13:49	VW112625
108-87-2	Methylcyclohexane	1.30	U	1	1.30	7.00	ug/Kg	11/26/25 13:49	VW112625
71-43-2	Benzene	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
79-01-6	Trichloroethene	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	7.00	ug/Kg	11/26/25 13:49	VW112625
75-27-4	Bromodichloromethane	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	5.00	35.0	ug/Kg	11/26/25 13:49	VW112625
108-88-3	Toluene	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
10061-02-6	t-1,3-Dichloropropene	0.91	U	1	0.91	7.00	ug/Kg	11/26/25 13:49	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.87	U	1	0.87	7.00	ug/Kg	11/26/25 13:49	VW112625
79-00-5	1,1,2-Trichloroethane	1.30	U	1	1.30	7.00	ug/Kg	11/26/25 13:49	VW112625
591-78-6	2-Hexanone	5.20	U	1	5.20	35.0	ug/Kg	11/26/25 13:49	VW112625
124-48-1	Dibromochloromethane	1.20	U	1	1.20	7.00	ug/Kg	11/26/25 13:49	VW112625
106-93-4	1,2-Dibromoethane	1.20	U	1	1.20	7.00	ug/Kg	11/26/25 13:49	VW112625
127-18-4	Tetrachloroethene	1.50	U	1	1.50	7.00	ug/Kg	11/26/25 13:49	VW112625
108-90-7	Chlorobenzene	1.30	U	1	1.30	7.00	ug/Kg	11/26/25 13:49	VW112625
100-41-4	Ethyl Benzene	0.94	U	1	0.94	7.00	ug/Kg	11/26/25 13:49	VW112625
179601-23-1	m/p-Xylenes	1.70	U	1	1.70	14.0	ug/Kg	11/26/25 13:49	VW112625
95-47-6	o-Xylene	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
100-42-5	Styrene	0.99	U	1	0.99	7.00	ug/Kg	11/26/25 13:49	VW112625
75-25-2	Bromoform	1.20	U	1	1.20	7.00	ug/Kg	11/26/25 13:49	VW112625

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-11A	SDG No.:	Q3719
Lab Sample ID:	Q3719-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.3
Sample Wt/Vol:	4.45 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	7.00	ug/Kg	11/26/25 13:49	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	1.70	7.00	ug/Kg	11/26/25 13:49	VW112625
541-73-1	1,3-Dichlorobenzene	2.40	U	1	2.40	7.00	ug/Kg	11/26/25 13:49	VW112625
106-46-7	1,4-Dichlorobenzene	2.20	U	1	2.20	7.00	ug/Kg	11/26/25 13:49	VW112625
95-50-1	1,2-Dichlorobenzene	2.00	U	1	2.00	7.00	ug/Kg	11/26/25 13:49	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	1	2.60	7.00	ug/Kg	11/26/25 13:49	VW112625
120-82-1	1,2,4-Trichlorobenzene	4.20	U	1	4.20	7.00	ug/Kg	11/26/25 13:49	VW112625
87-61-6	1,2,3-Trichlorobenzene	4.40	U	1	4.40	7.00	ug/Kg	11/26/25 13:49	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	69.1			63 - 155	138%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.9			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	48.3			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.4			52 - 138	113%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	193000							
540-36-3	1,4-Difluorobenzene	465000							
3114-55-4	Chlorobenzene-d5	515000							
3855-82-1	1,4-Dichlorobenzene-d4	246000							

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_W\Data\VW112625\
 Data File : VW032540.D
 Acq On : 26 Nov 2025 13:49
 Operator : SY/MD
 Sample : Q3719-03
 Misc : 4.45g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-11A

Quant Time: Nov 27 00:28:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	193034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	464802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	514695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246255	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	172035	69.127	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	138.260%
35) Dibromofluoromethane	7.904	113	149891	53.862	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.720%
50) Toluene-d8	10.325	98	515766	48.311	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.617	95	227266	56.352	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.700%

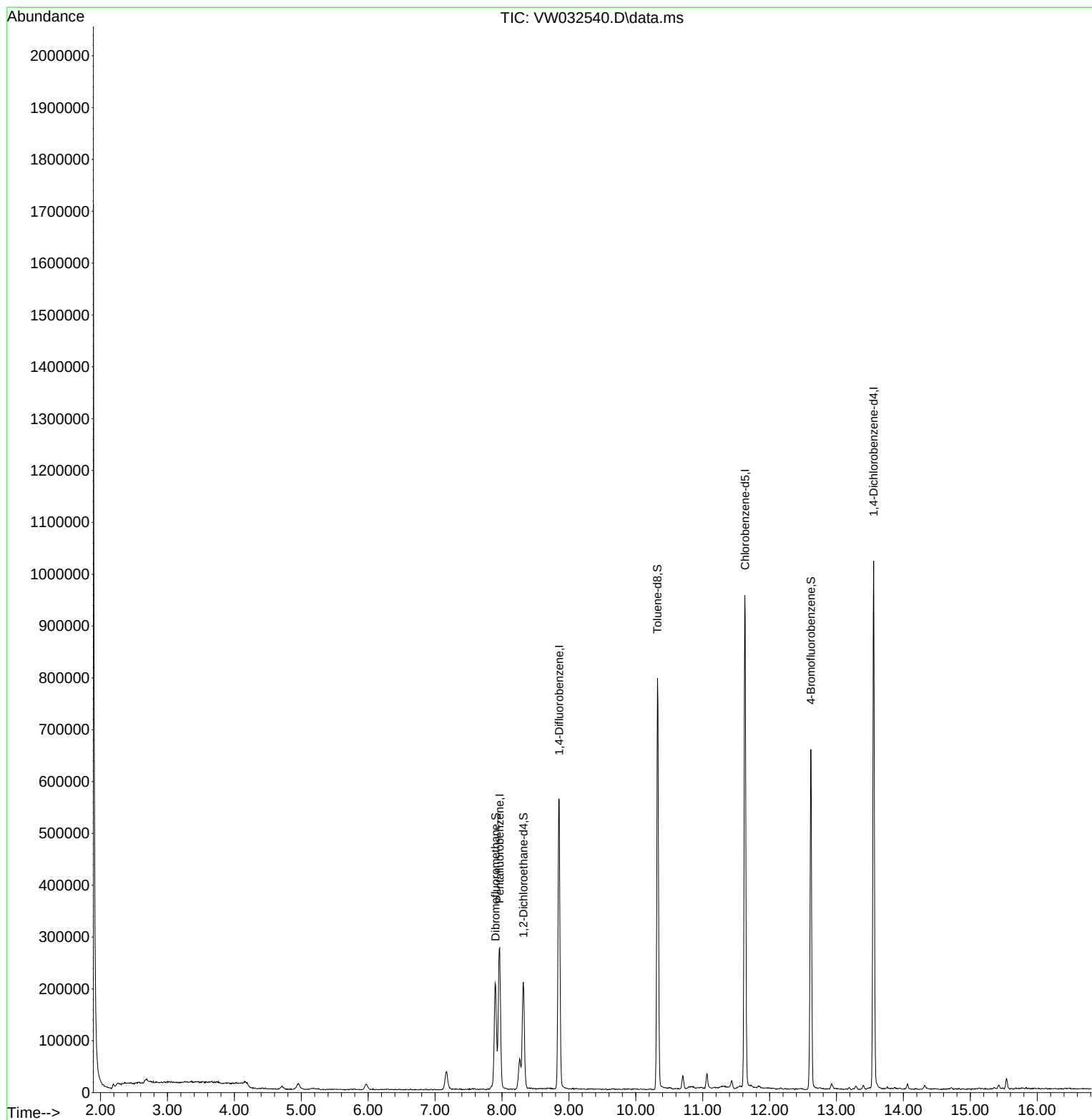
Target Compounds	Qvalue

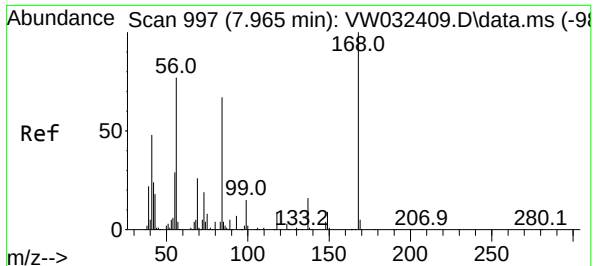
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032540.D
Acq On : 26 Nov 2025 13:49
Operator : SY/MD
Sample : Q3719-03
Misc : 4.45g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Quant Time: Nov 27 00:28:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

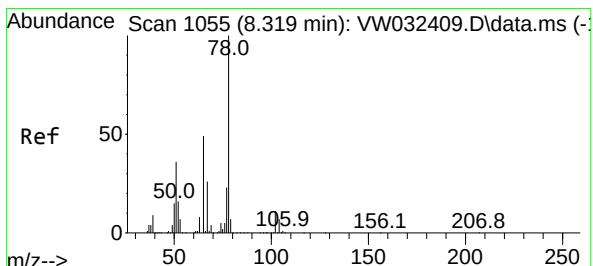
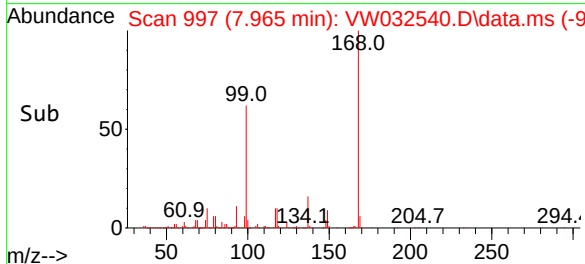
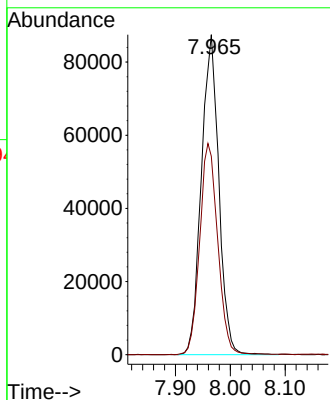
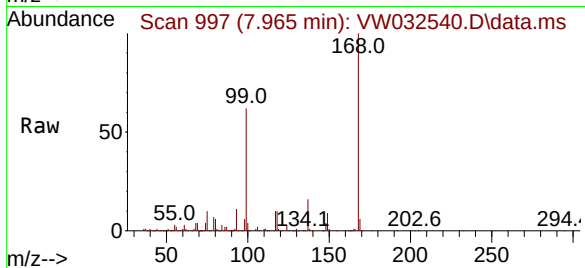




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

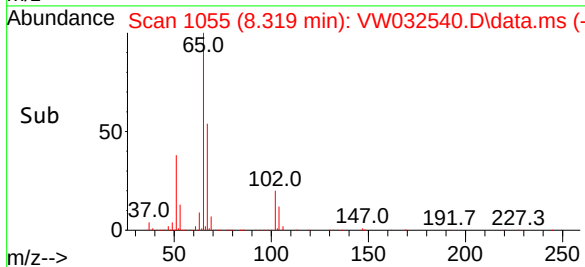
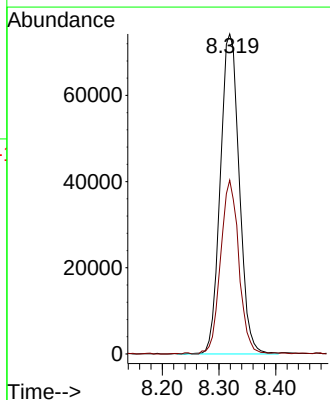
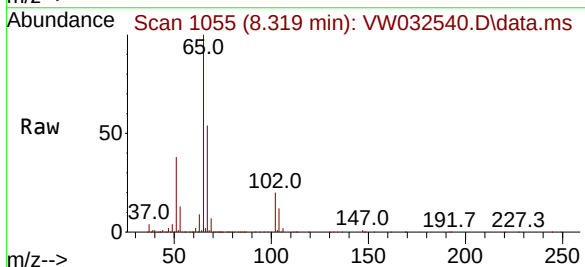
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

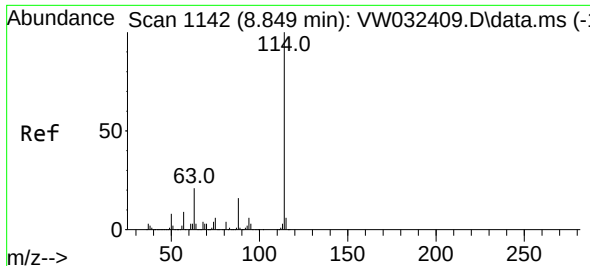
Tgt Ion:168 Resp: 193034
Ion Ratio Lower Upper
168 100
99 61.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.127 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 65 Resp: 172035
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032540.D

Acq: 26 Nov 2025 13:49

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-11A

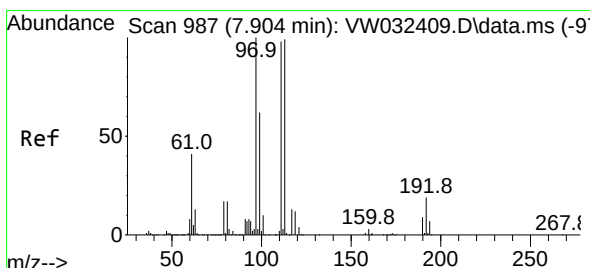
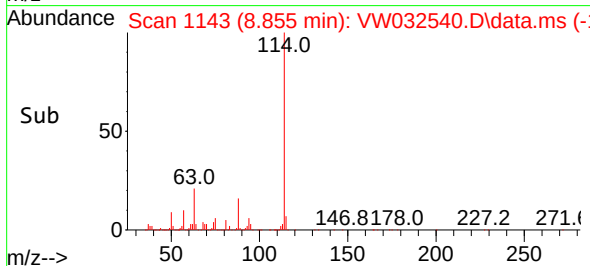
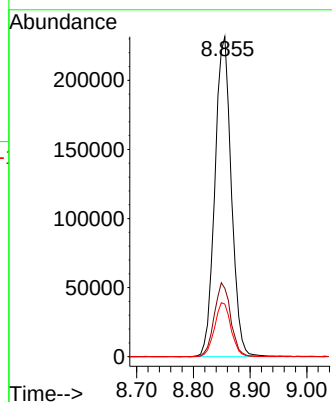
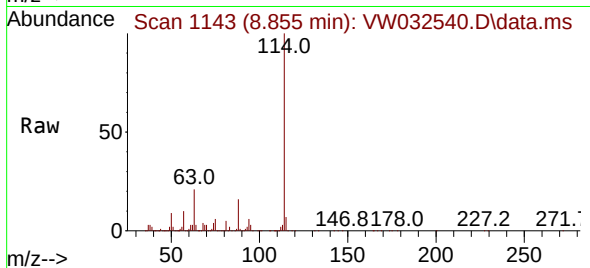
Tgt Ion:114 Resp: 464802

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.862 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032540.D

Acq: 26 Nov 2025 13:49

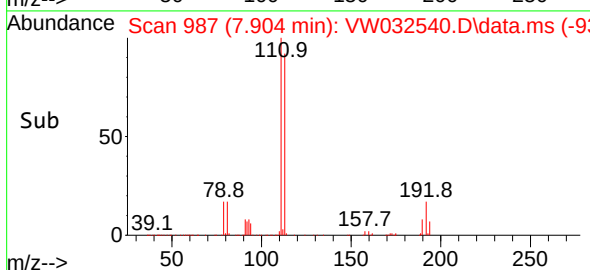
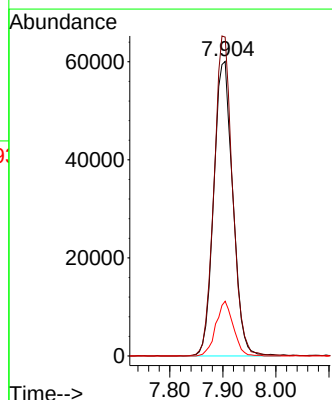
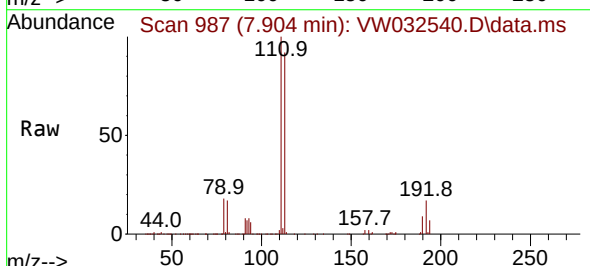
Tgt Ion:113 Resp: 149891

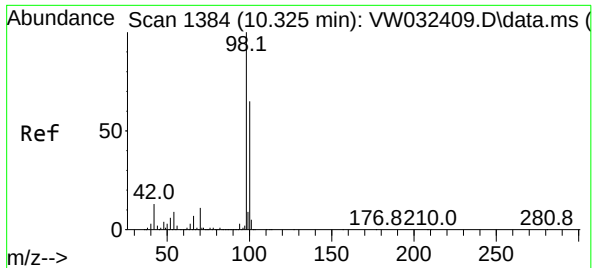
Ion Ratio Lower Upper

113 100

111 105.5 83.1 124.7

192 17.1 13.4 20.2

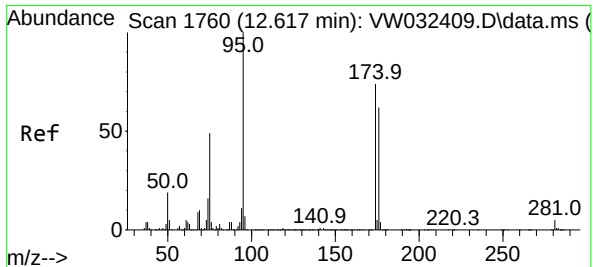
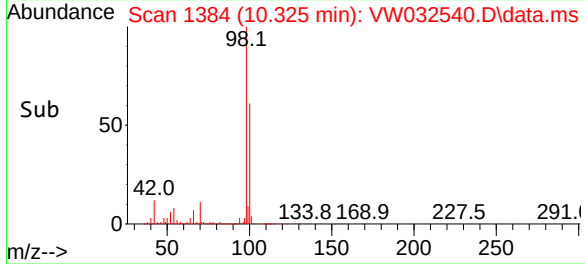
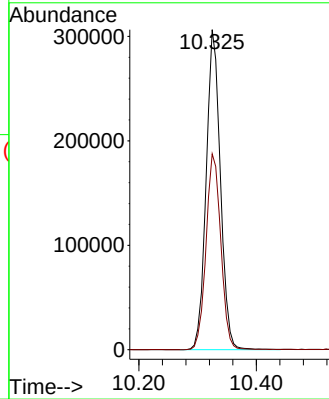
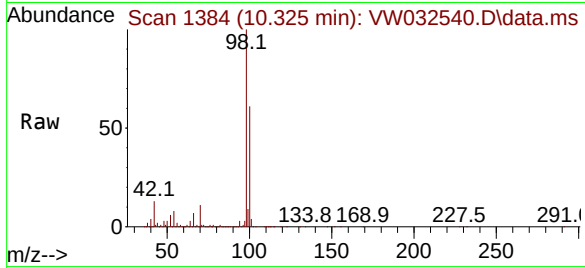




#50
Toluene-d8
Concen: 48.311 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

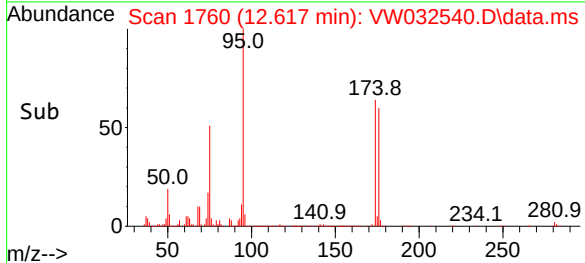
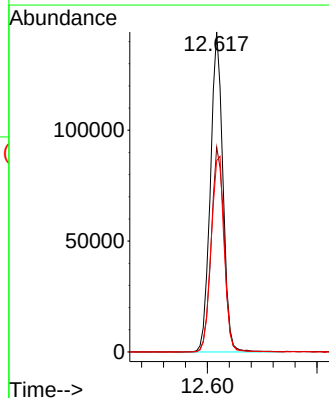
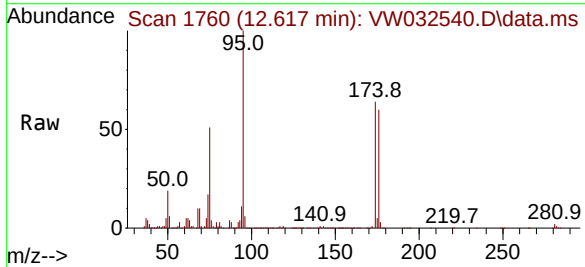
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

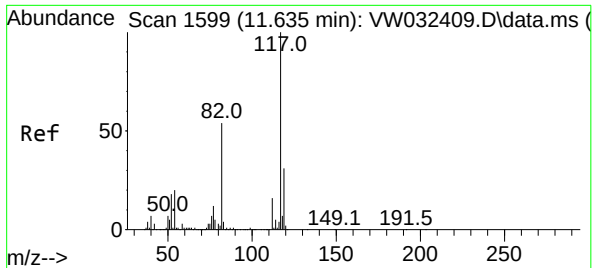
Tgt Ion: 98 Resp: 515766
Ion Ratio Lower Upper
98 100
100 63.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.352 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 95 Resp: 227266
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.4
176 64.1 0.0 131.8

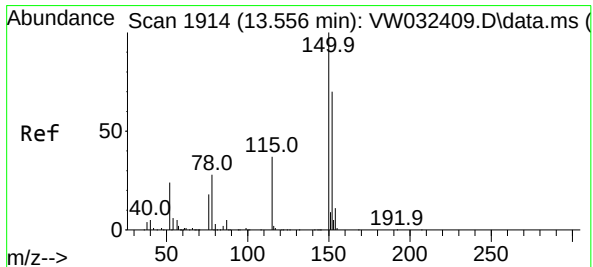
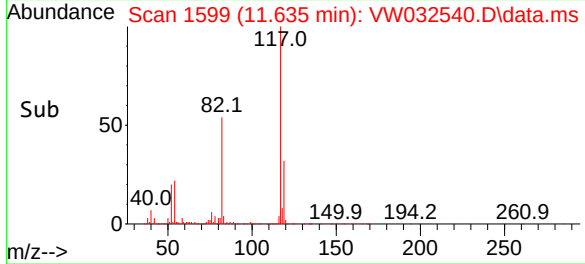
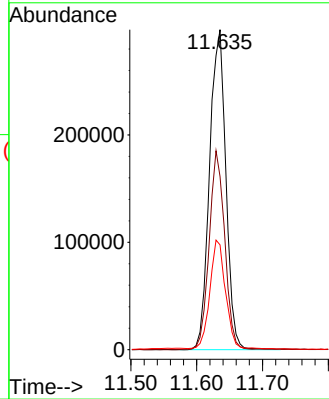
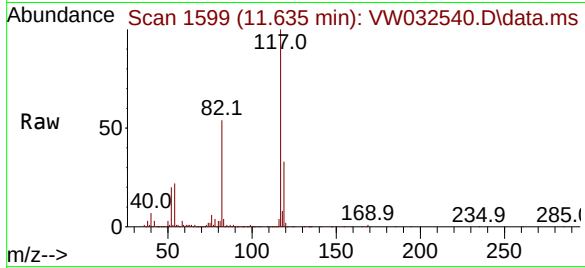




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

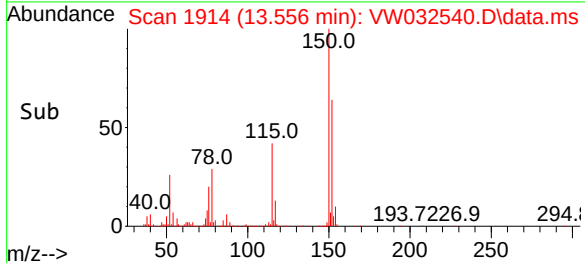
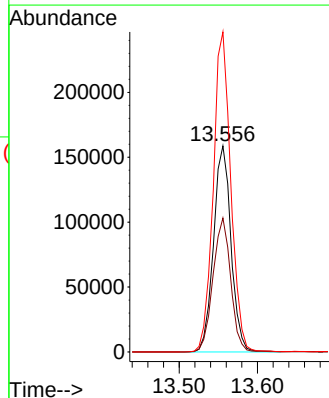
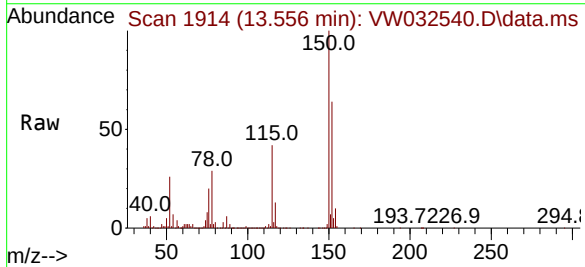
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Tgt Ion:117 Resp: 514695
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.5 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion:152 Resp: 246255
Ion Ratio Lower Upper
152 100
115 65.9 32.8 98.3
150 155.6 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032540.D
 Acq On : 26 Nov 2025 13:49
 Operator : SY/MD
 Sample : Q3719-03
 Misc : 4.45g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-11A

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032540.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.192	45	50	54	rBV2	9291	18028	1.10%	0.198%
2	2.692	124	132	134	rBV9	7391	18014	1.10%	0.198%
3	4.716	456	464	473	rVB2	6551	19105	1.16%	0.210%
4	4.954	494	503	519	rVB3	11593	42897	2.61%	0.471%
5	5.972	659	670	680	rVB6	10614	34652	2.11%	0.380%
6	7.173	857	867	874	rBV	33681	94751	5.77%	1.040%
7	7.898	971	986	991	rBV	205266	509422	31.00%	5.592%
8	7.965	991	997	1008	rVB2	270738	641162	39.01%	7.039%
9	8.264	1036	1046	1049	rBV2	58444	134496	8.18%	1.476%
10	8.319	1049	1055	1065	rVB	205133	478621	29.12%	5.254%
11	8.849	1132	1142	1158	rBV	559197	1159509	70.55%	12.729%
12	10.325	1376	1384	1394	rBV	792957	1389886	84.57%	15.258%
13	10.703	1438	1446	1452	rBV2	25431	49279	3.00%	0.541%
14	11.062	1500	1505	1515	rBV2	28617	55374	3.37%	0.608%
15	11.434	1559	1566	1573	rVB4	15829	35092	2.14%	0.385%
16	11.629	1591	1598	1608	rBV	947701	1643420	100.00%	18.041%
17	12.617	1750	1760	1772	rBV2	656301	1101106	67.00%	12.088%
18	12.928	1806	1811	1817	rBV6	10262	21925	1.33%	0.241%
19	13.556	1906	1914	1928	rBV	1017207	1604876	97.65%	17.618%
20	14.062	1991	1997	2002	rBV2	10053	16834	1.02%	0.185%
21	15.543	2234	2240	2248	rVB2	20731	40893	2.49%	0.449%

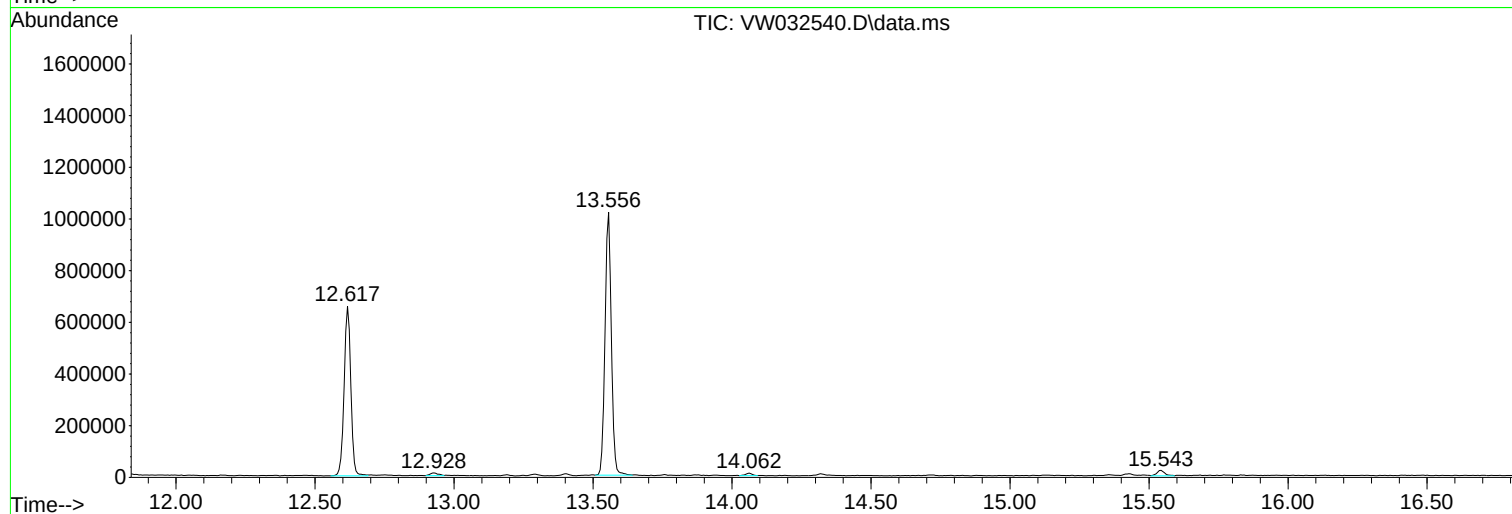
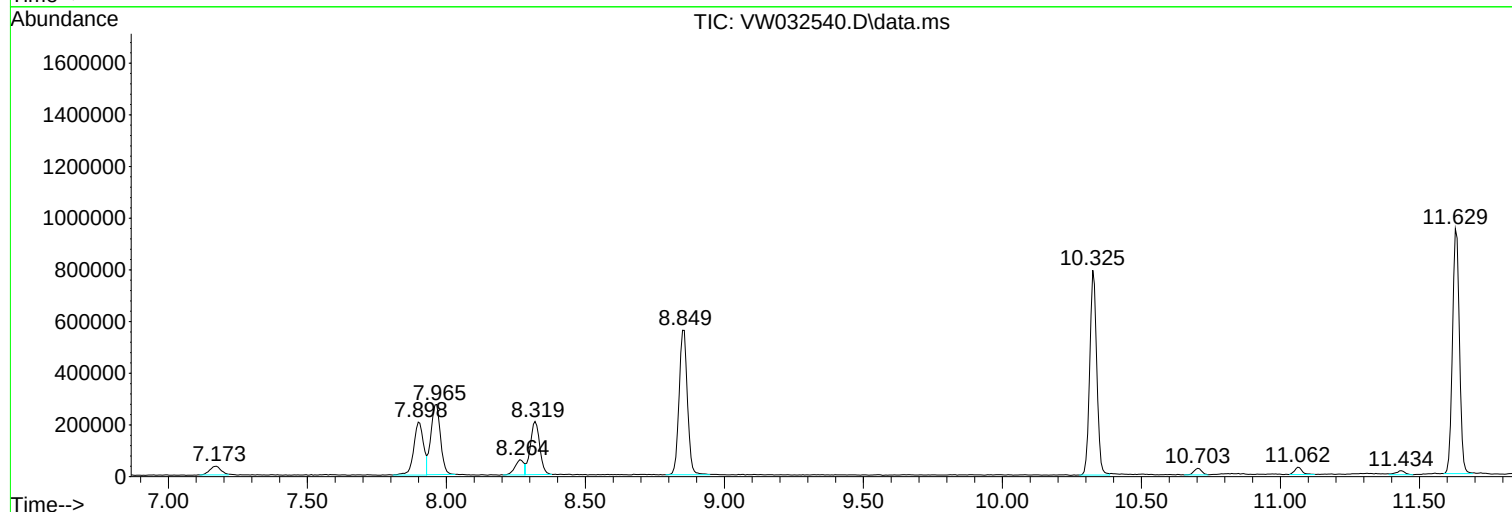
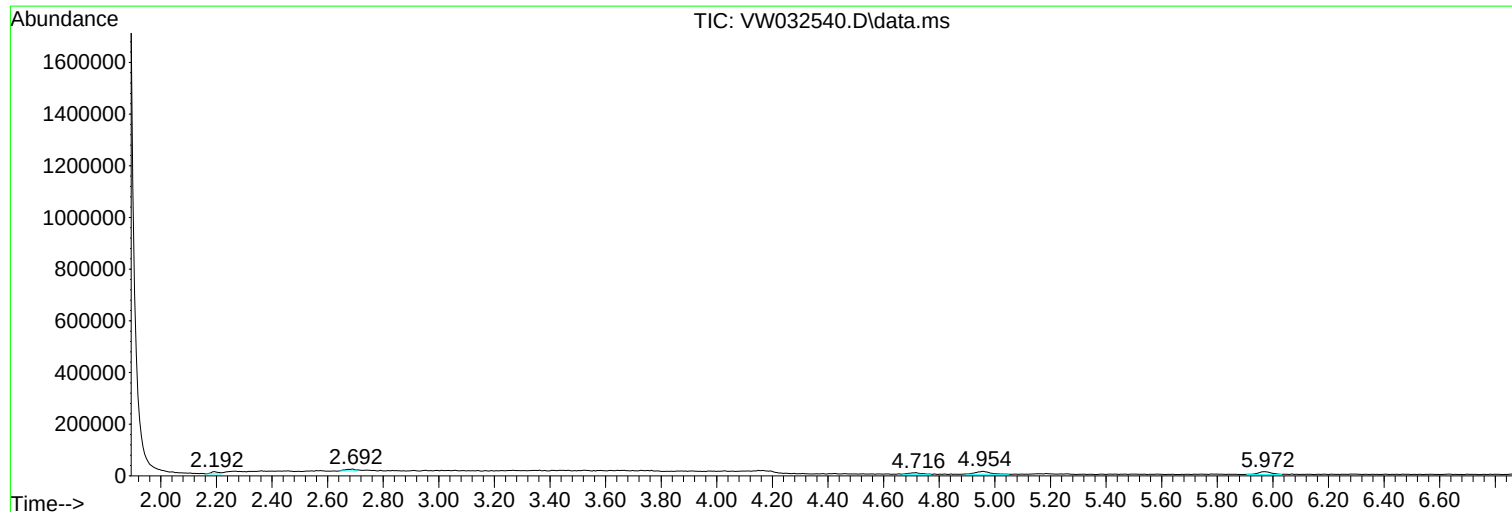
Sum of corrected areas: 9109342

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032540.D
Acq On : 26 Nov 2025 13:49
Operator : SY/MD
Sample : Q3719-03
Misc : 4.45g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032540.D
Acq On : 26 Nov 2025 13:49
Operator : SY/MD
Sample : Q3719-03
Misc : 4.45g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032540.D
Acq On : 26 Nov 2025 13:49
Operator : SY/MD
Sample : Q3719-03
Misc : 4.45g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-11B
 Lab Sample ID: Q3719-04
 Analytical Method: 8260D
 Sample Wt/Vol: 4.14 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 89.2
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.50	U	1	1.50	6.80	ug/Kg	11/26/25 14:58	VW112625
74-87-3	Chloromethane	1.50	U	1	1.50	6.80	ug/Kg	11/26/25 14:58	VW112625
75-01-4	Vinyl Chloride	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
74-83-9	Bromomethane	1.40	U	1	1.40	6.80	ug/Kg	11/26/25 14:58	VW112625
75-00-3	Chloroethane	1.70	U	1	1.70	6.80	ug/Kg	11/26/25 14:58	VW112625
75-69-4	Trichlorofluoromethane	1.60	U	1	1.60	6.80	ug/Kg	11/26/25 14:58	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	UQ	1	1.40	6.80	ug/Kg	11/26/25 14:58	VW112625
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	6.80	ug/Kg	11/26/25 14:58	VW112625
67-64-1	Acetone	6.40	U	1	6.40	33.8	ug/Kg	11/26/25 14:58	VW112625
75-15-0	Carbon Disulfide	1.40	U	1	1.40	6.80	ug/Kg	11/26/25 14:58	VW112625
1634-04-4	Methyl tert-butyl Ether	0.99	U	1	0.99	6.80	ug/Kg	11/26/25 14:58	VW112625
79-20-9	Methyl Acetate	2.10	U	1	2.10	6.80	ug/Kg	11/26/25 14:58	VW112625
75-09-2	Methylene Chloride	4.80	U	1	4.80	13.5	ug/Kg	11/26/25 14:58	VW112625
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
110-82-7	Cyclohexane	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
78-93-3	2-Butanone	8.90	U	1	8.90	33.8	ug/Kg	11/26/25 14:58	VW112625
56-23-5	Carbon Tetrachloride	1.30	U	1	1.30	6.80	ug/Kg	11/26/25 14:58	VW112625
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	1.00	6.80	ug/Kg	11/26/25 14:58	VW112625
74-97-5	Bromochloromethane	1.60	U	1	1.60	6.80	ug/Kg	11/26/25 14:58	VW112625
67-66-3	Chloroform	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	6.80	ug/Kg	11/26/25 14:58	VW112625
108-87-2	Methylcyclohexane	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
71-43-2	Benzene	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
79-01-6	Trichloroethene	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
78-87-5	1,2-Dichloropropane	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
75-27-4	Bromodichloromethane	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
108-10-1	4-Methyl-2-Pentanone	4.80	U	1	4.80	33.8	ug/Kg	11/26/25 14:58	VW112625
108-88-3	Toluene	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
10061-02-6	t-1,3-Dichloropropene	0.88	U	1	0.88	6.80	ug/Kg	11/26/25 14:58	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.84	U	1	0.84	6.80	ug/Kg	11/26/25 14:58	VW112625
79-00-5	1,1,2-Trichloroethane	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
591-78-6	2-Hexanone	5.00	U	1	5.00	33.8	ug/Kg	11/26/25 14:58	VW112625
124-48-1	Dibromochloromethane	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
106-93-4	1,2-Dibromoethane	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
127-18-4	Tetrachloroethene	1.40	U	1	1.40	6.80	ug/Kg	11/26/25 14:58	VW112625
108-90-7	Chlorobenzene	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625
100-41-4	Ethyl Benzene	0.91	U	1	0.91	6.80	ug/Kg	11/26/25 14:58	VW112625
179601-23-1	m/p-Xylenes	1.70	U	1	1.70	13.5	ug/Kg	11/26/25 14:58	VW112625
95-47-6	o-Xylene	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
100-42-5	Styrene	0.96	U	1	0.96	6.80	ug/Kg	11/26/25 14:58	VW112625
75-25-2	Bromoform	1.20	U	1	1.20	6.80	ug/Kg	11/26/25 14:58	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-11B	SDG No.:	Q3719
Lab Sample ID:	Q3719-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	4.14 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	6.80	ug/Kg	11/26/25 14:58	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.60	U	1	1.60	6.80	ug/Kg	11/26/25 14:58	VW112625
541-73-1	1,3-Dichlorobenzene	2.30	U	1	2.30	6.80	ug/Kg	11/26/25 14:58	VW112625
106-46-7	1,4-Dichlorobenzene	2.10	U	1	2.10	6.80	ug/Kg	11/26/25 14:58	VW112625
95-50-1	1,2-Dichlorobenzene	2.00	U	1	2.00	6.80	ug/Kg	11/26/25 14:58	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	1	2.50	6.80	ug/Kg	11/26/25 14:58	VW112625
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	4.00	6.80	ug/Kg	11/26/25 14:58	VW112625
87-61-6	1,2,3-Trichlorobenzene	4.30	U	1	4.30	6.80	ug/Kg	11/26/25 14:58	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	71.8			63 - 155	144%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.6			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	47.2			74 - 123	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.1			52 - 138	110%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	183000							
540-36-3	1,4-Difluorobenzene	470000							
3114-55-4	Chlorobenzene-d5	533000							
3855-82-1	1,4-Dichlorobenzene-d4	255000							

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_W\Data\VW112625\
 Data File : VW032543.D
 Acq On : 26 Nov 2025 14:58
 Operator : SY/MD
 Sample : Q3719-04
 Misc : 4.14g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-11B

Quant Time: Nov 27 00:28:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	183438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	469951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	532584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	255138	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169854	71.821	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	143.640%
35) Dibromofluoromethane	7.904	113	150929	53.641	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.280%
50) Toluene-d8	10.331	98	509971	47.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.480%
62) 4-Bromofluorobenzene	12.617	95	224746	55.116	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.240%

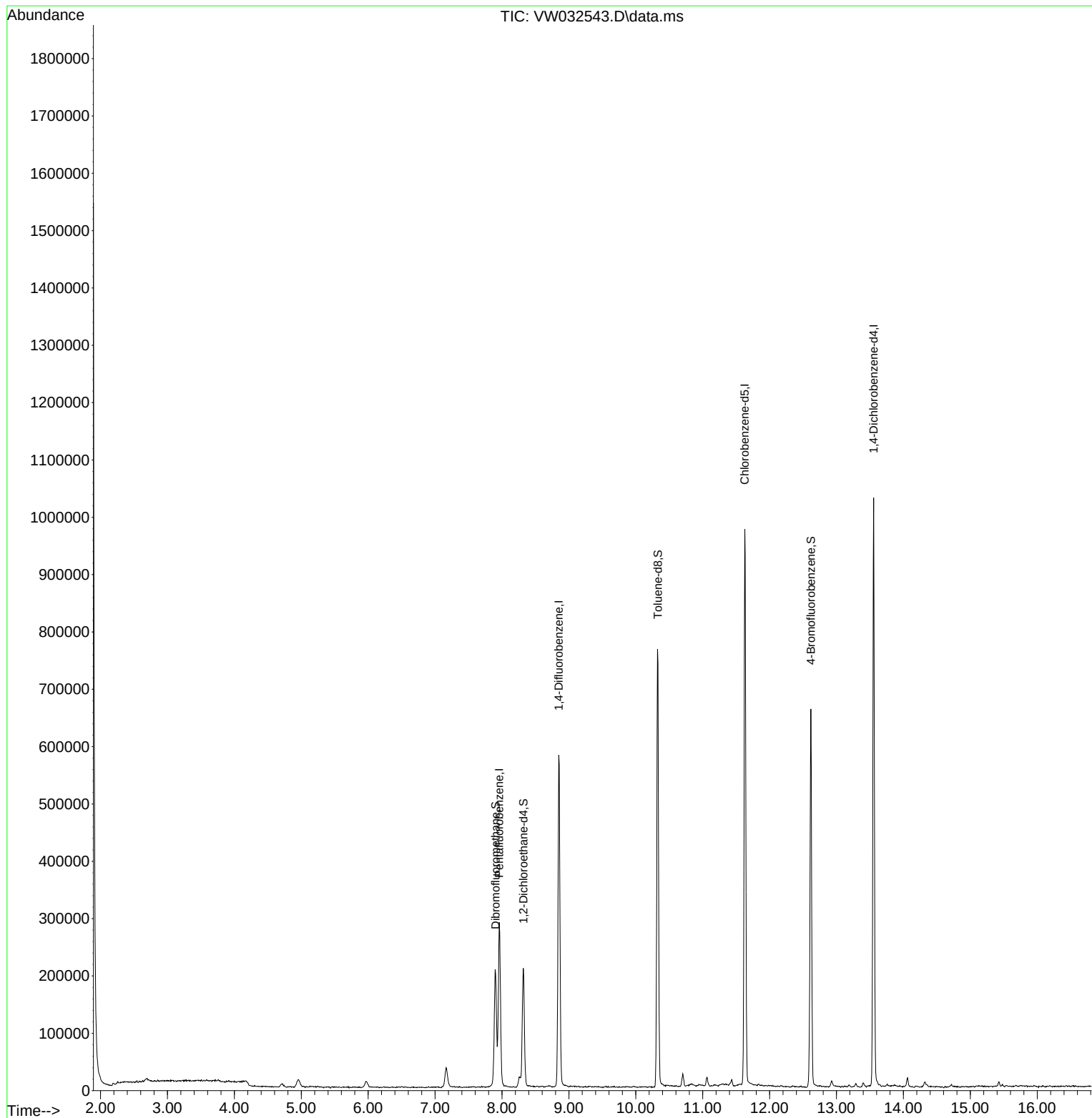
Target Compounds	Qvalue

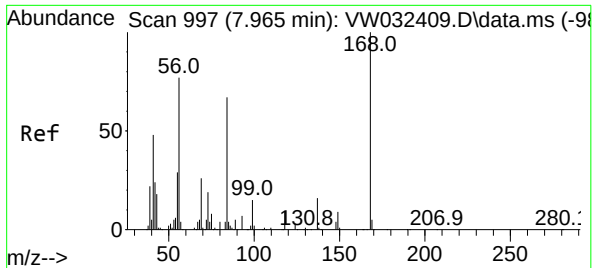
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032543.D
Acq On : 26 Nov 2025 14:58
Operator : SY/MD
Sample : Q3719-04
Misc : 4.14g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

Quant Time: Nov 27 00:28:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

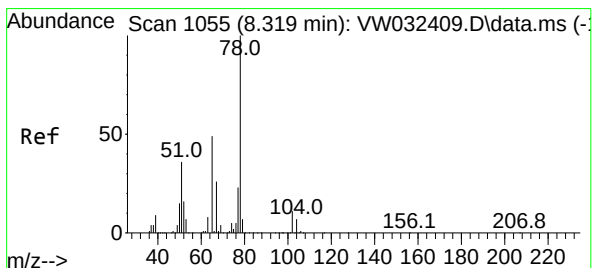
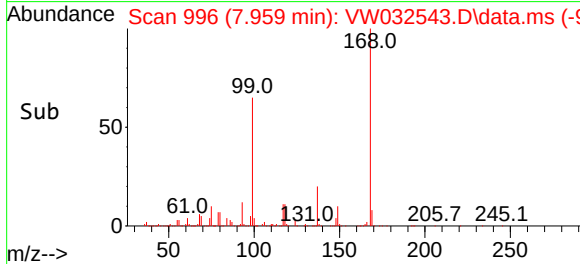
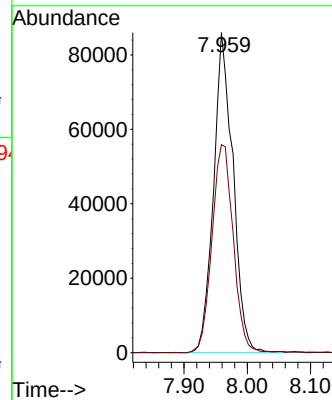
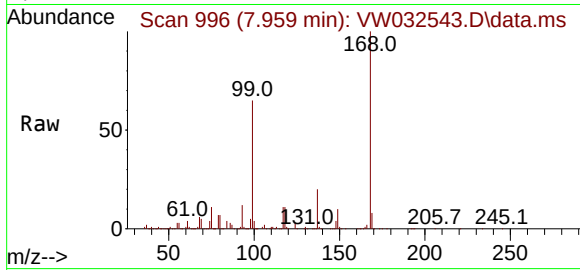




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

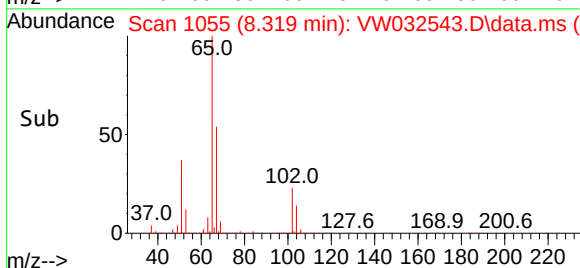
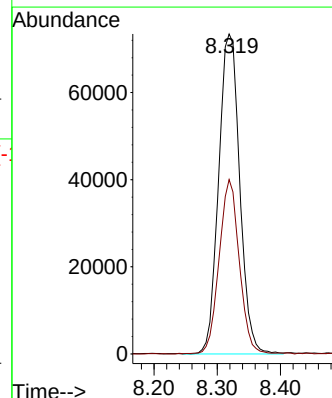
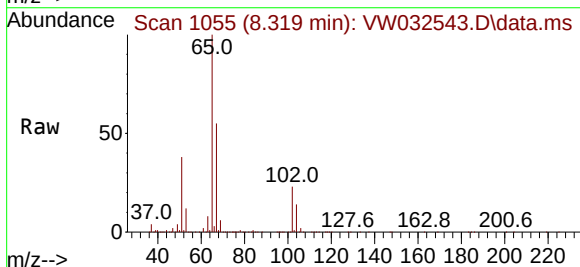
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

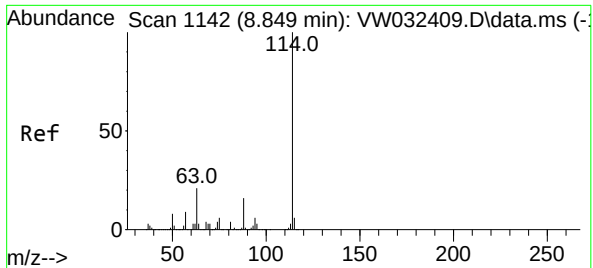
Tgt Ion:168 Resp: 183438
Ion Ratio Lower Upper
168 100
99 64.9 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 71.821 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

Tgt Ion: 65 Resp: 169854
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

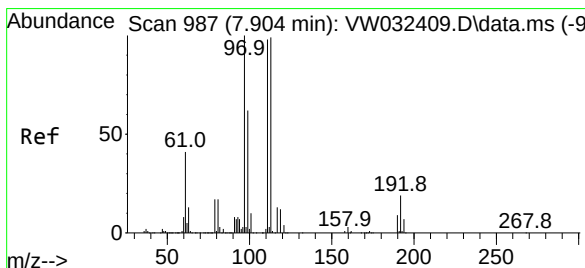
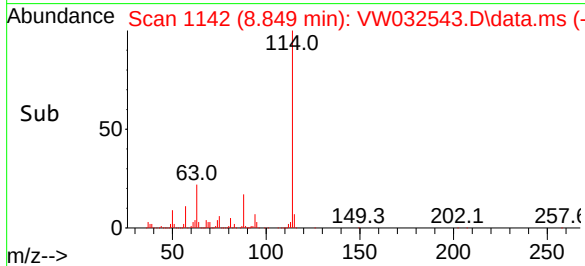
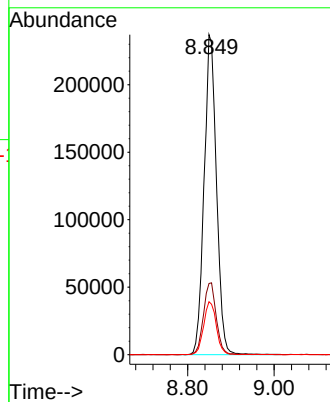
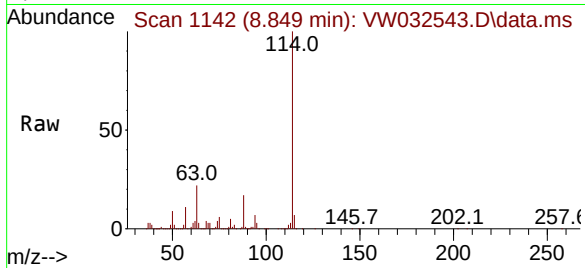




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

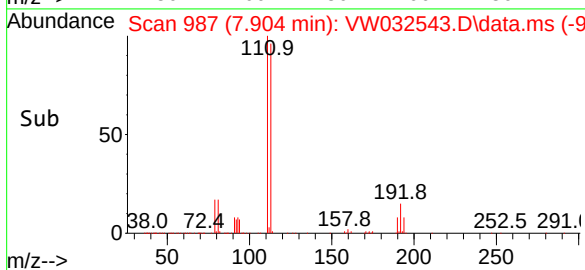
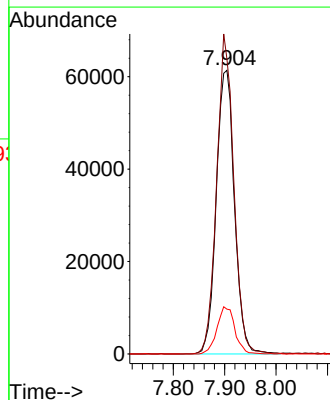
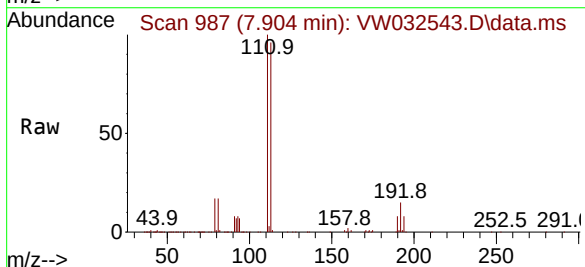
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

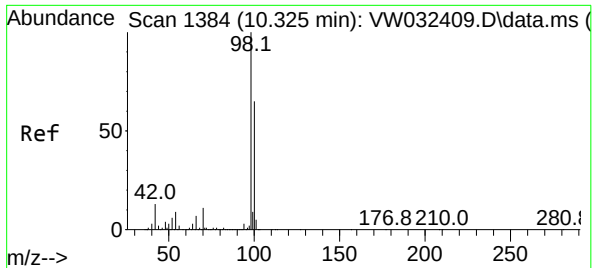
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 53.641 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.1	124.7
192	16.4	13.4	20.2

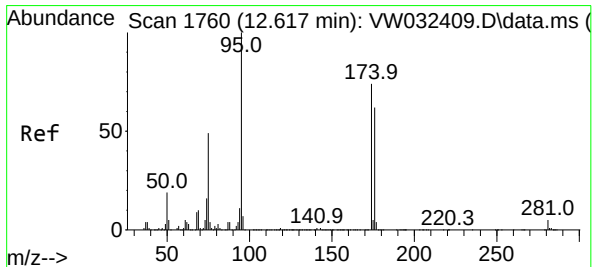
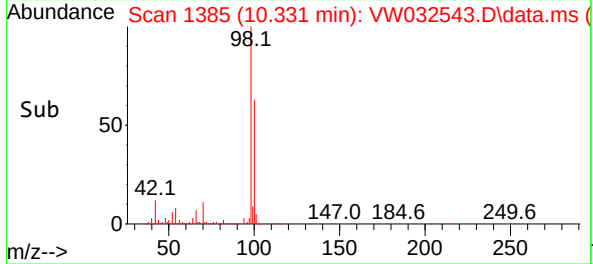
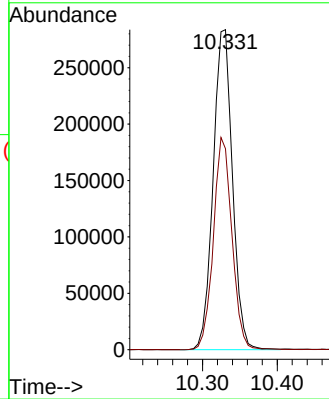
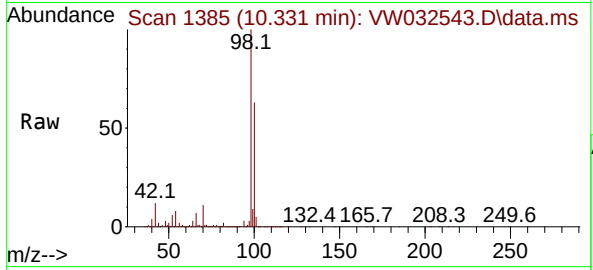




#50
Toluene-d8
Concen: 47.244 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

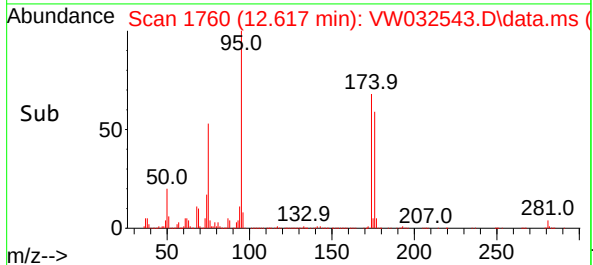
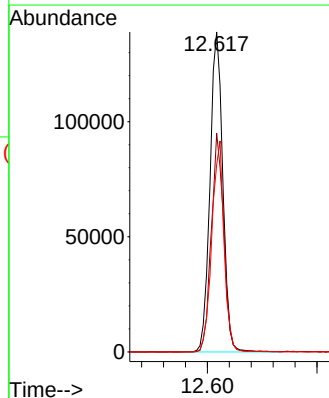
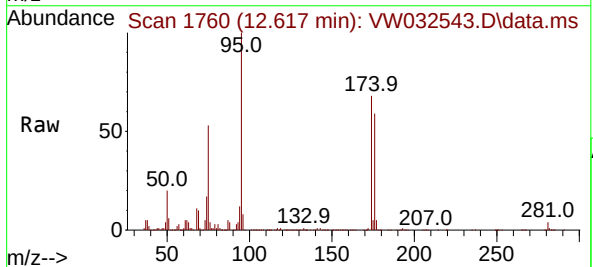
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

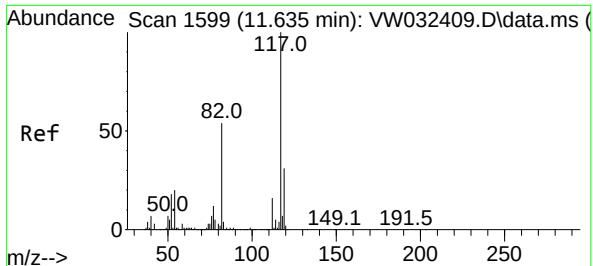
Tgt Ion: 98 Resp: 509971
Ion Ratio Lower Upper
98 100
100 63.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.116 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

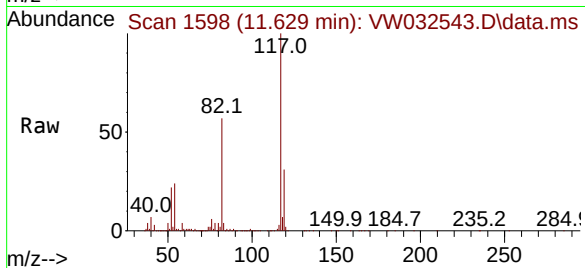
Tgt Ion: 95 Resp: 224746
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.4
176 63.0 0.0 131.8



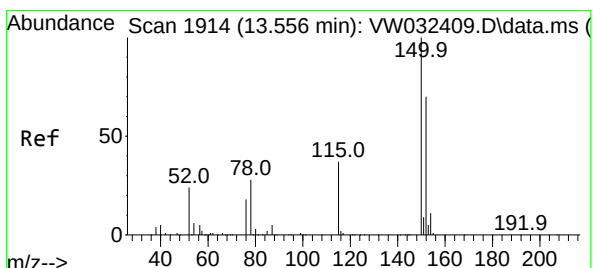
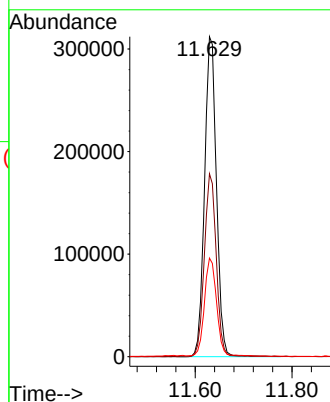
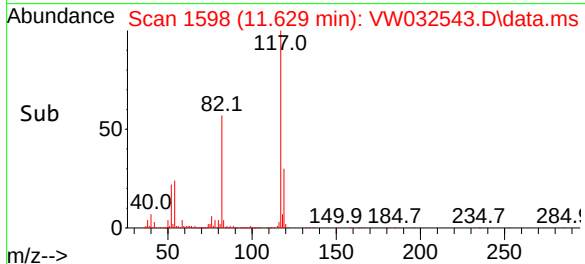


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58

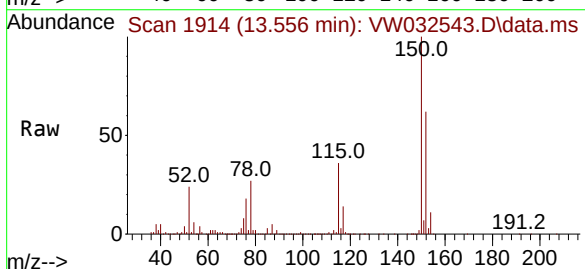
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B



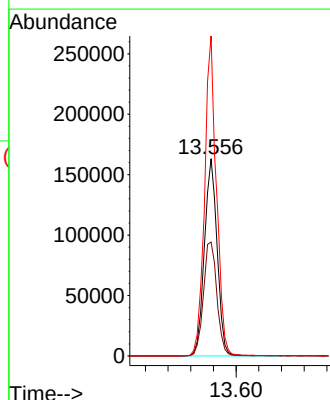
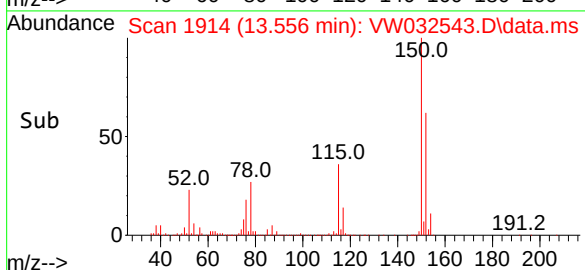
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.0	64.4
119	30.6	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032543.D
Acq: 26 Nov 2025 14:58



Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	32.8	98.3
150	150.9	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032543.D
 Acq On : 26 Nov 2025 14:58
 Operator : SY/MD
 Sample : Q3719-04
 Misc : 4.14g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-11B

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032543.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	513	rBV3	13358	48705	2.92%	0.546%
2	5.966	657	669	677	rBV6	11194	37288	2.24%	0.418%
3	7.167	853	866	876	rBV2	34899	105105	6.30%	1.179%
4	7.898	971	986	991	rBV	205072	496947	29.80%	5.573%
5	7.959	991	996	1007	rVB	285503	635086	38.08%	7.122%
6	8.258	1038	1045	1048	rBV2	17988	39592	2.37%	0.444%
7	8.319	1048	1055	1065	rVB	205495	462305	27.72%	5.185%
8	8.849	1133	1142	1157	rBV	577795	1168479	70.06%	13.104%
9	10.325	1377	1384	1394	rBV	764019	1367405	81.99%	15.335%
10	10.703	1439	1446	1452	rBV	21886	40501	2.43%	0.454%
11	11.062	1500	1505	1513	rVB2	15543	28977	1.74%	0.325%
12	11.434	1558	1566	1571	rVB3	11239	23470	1.41%	0.263%
13	11.629	1590	1598	1612	rBV	969040	1667729	100.00%	18.703%
14	12.617	1748	1760	1772	rBV2	660157	1133978	68.00%	12.717%
15	12.928	1803	1811	1820	rBV8	10996	27326	1.64%	0.306%
16	13.556	1905	1914	1926	rBV	1026105	1606661	96.34%	18.018%
17	14.062	1989	1997	2002	rBV	15588	27457	1.65%	0.308%

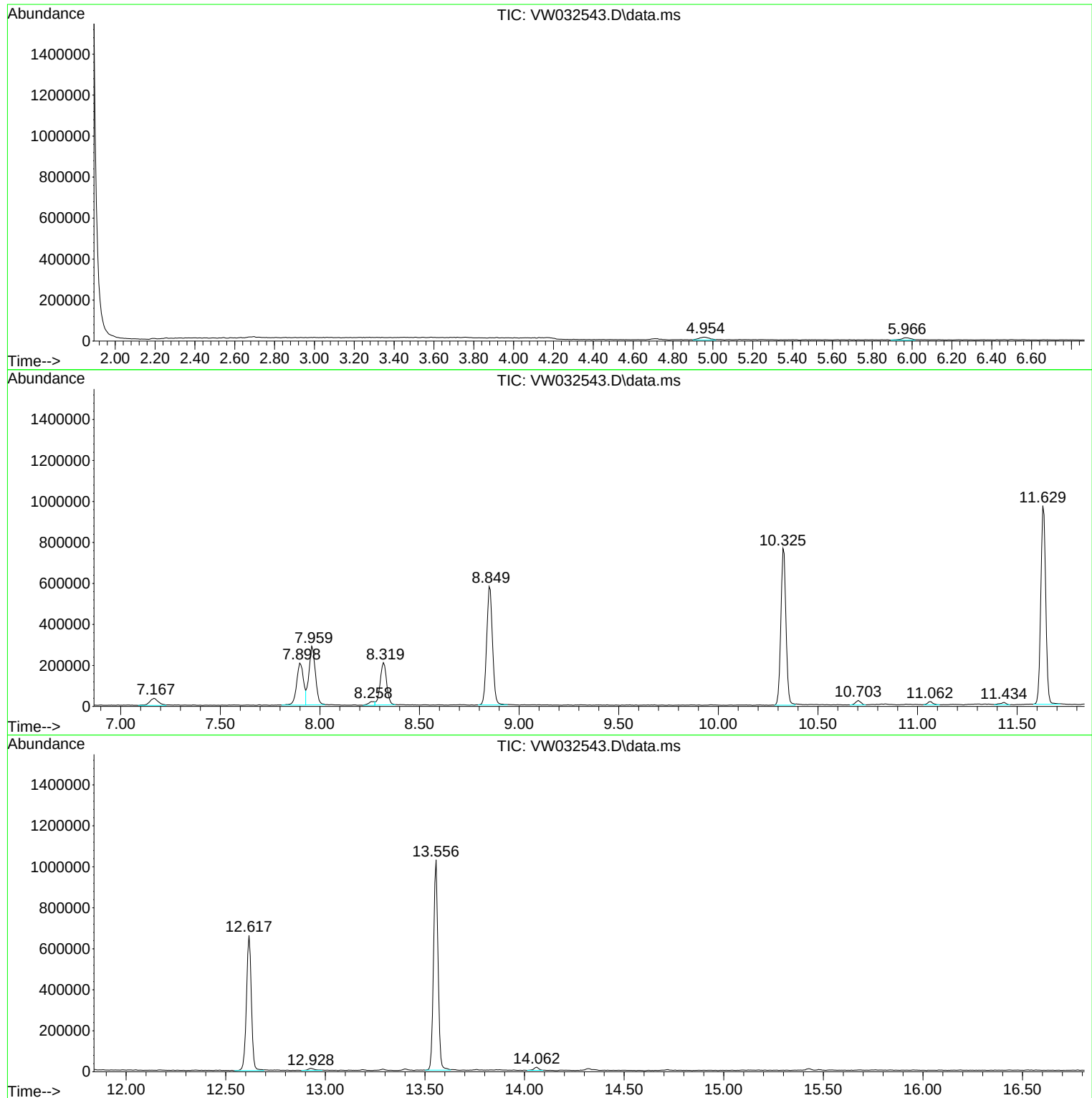
Sum of corrected areas: 8917011

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032543.D
Acq On : 26 Nov 2025 14:58
Operator : SY/MD
Sample : Q3719-04
Misc : 4.14g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032543.D
Acq On : 26 Nov 2025 14:58
Operator : SY/MD
Sample : Q3719-04
Misc : 4.14g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032543.D
Acq On : 26 Nov 2025 14:58
Operator : SY/MD
Sample : Q3719-04
Misc : 4.14g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: SB-1125-12A
Lab Sample ID: Q3719-05
Analytical Method: 8260D
Sample Wt/Vol: 4.91 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/25/25
SDG No.: Q3719
Matrix: SOIL
% Solid: 67.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.70	U	1	1.70	7.50	ug/Kg	11/26/25 15:20	VW112625
74-87-3	Chloromethane	1.70	U	1	1.70	7.50	ug/Kg	11/26/25 15:20	VW112625
75-01-4	Vinyl Chloride	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
74-83-9	Bromomethane	1.60	U	1	1.60	7.50	ug/Kg	11/26/25 15:20	VW112625
75-00-3	Chloroethane	1.90	U	1	1.90	7.50	ug/Kg	11/26/25 15:20	VW112625
75-69-4	Trichlorofluoromethane	1.80	U	1	1.80	7.50	ug/Kg	11/26/25 15:20	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	UQ	1	1.60	7.50	ug/Kg	11/26/25 15:20	VW112625
75-35-4	1,1-Dichloroethene	1.50	U	1	1.50	7.50	ug/Kg	11/26/25 15:20	VW112625
67-64-1	Acetone	46.5		1	7.10	37.5	ug/Kg	11/26/25 15:20	VW112625
75-15-0	Carbon Disulfide	1.60	U	1	1.60	7.50	ug/Kg	11/26/25 15:20	VW112625
1634-04-4	Methyl tert-butyl Ether	1.10	U	1	1.10	7.50	ug/Kg	11/26/25 15:20	VW112625
79-20-9	Methyl Acetate	2.30	U	1	2.30	7.50	ug/Kg	11/26/25 15:20	VW112625
75-09-2	Methylene Chloride	5.30	U	1	5.30	15.0	ug/Kg	11/26/25 15:20	VW112625
156-60-5	trans-1,2-Dichloroethene	1.30	U	1	1.30	7.50	ug/Kg	11/26/25 15:20	VW112625
75-34-3	1,1-Dichloroethane	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
110-82-7	Cyclohexane	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
78-93-3	2-Butanone	9.80	U	1	9.80	37.5	ug/Kg	11/26/25 15:20	VW112625
56-23-5	Carbon Tetrachloride	1.50	U	1	1.50	7.50	ug/Kg	11/26/25 15:20	VW112625
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.50	ug/Kg	11/26/25 15:20	VW112625
74-97-5	Bromochloromethane	1.70	U	1	1.70	7.50	ug/Kg	11/26/25 15:20	VW112625
67-66-3	Chloroform	1.30	U	1	1.30	7.50	ug/Kg	11/26/25 15:20	VW112625
71-55-6	1,1,1-Trichloroethane	1.40	U	1	1.40	7.50	ug/Kg	11/26/25 15:20	VW112625
108-87-2	Methylcyclohexane	1.40	U	1	1.40	7.50	ug/Kg	11/26/25 15:20	VW112625
71-43-2	Benzene	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
107-06-2	1,2-Dichloroethane	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
79-01-6	Trichloroethene	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
78-87-5	1,2-Dichloropropane	1.40	U	1	1.40	7.50	ug/Kg	11/26/25 15:20	VW112625
75-27-4	Bromodichloromethane	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
108-10-1	4-Methyl-2-Pentanone	5.40	U	1	5.40	37.5	ug/Kg	11/26/25 15:20	VW112625
108-88-3	Toluene	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
10061-02-6	t-1,3-Dichloropropene	0.98	U	1	0.98	7.50	ug/Kg	11/26/25 15:20	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.93	U	1	0.93	7.50	ug/Kg	11/26/25 15:20	VW112625
79-00-5	1,1,2-Trichloroethane	1.40	U	1	1.40	7.50	ug/Kg	11/26/25 15:20	VW112625
591-78-6	2-Hexanone	5.50	U	1	5.50	37.5	ug/Kg	11/26/25 15:20	VW112625
124-48-1	Dibromochloromethane	1.30	U	1	1.30	7.50	ug/Kg	11/26/25 15:20	VW112625
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.50	ug/Kg	11/26/25 15:20	VW112625
127-18-4	Tetrachloroethene	1.60	U	1	1.60	7.50	ug/Kg	11/26/25 15:20	VW112625
108-90-7	Chlorobenzene	1.40	U	1	1.40	7.50	ug/Kg	11/26/25 15:20	VW112625
100-41-4	Ethyl Benzene	1.00	U	1	1.00	7.50	ug/Kg	11/26/25 15:20	VW112625
179601-23-1	m/p-Xylenes	1.90	U	1	1.90	15.0	ug/Kg	11/26/25 15:20	VW112625
95-47-6	o-Xylene	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
100-42-5	Styrene	1.10	U	1	1.10	7.50	ug/Kg	11/26/25 15:20	VW112625
75-25-2	Bromoform	1.30	U	1	1.30	7.50	ug/Kg	11/26/25 15:20	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-12A	SDG No.:	Q3719
Lab Sample ID:	Q3719-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	67.8
Sample Wt/Vol:	4.91 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.20	U	1	1.20	7.50	ug/Kg	11/26/25 15:20	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1	1.80	7.50	ug/Kg	11/26/25 15:20	VW112625
541-73-1	1,3-Dichlorobenzene	2.60	U	1	2.60	7.50	ug/Kg	11/26/25 15:20	VW112625
106-46-7	1,4-Dichlorobenzene	2.30	U	1	2.30	7.50	ug/Kg	11/26/25 15:20	VW112625
95-50-1	1,2-Dichlorobenzene	2.20	U	1	2.20	7.50	ug/Kg	11/26/25 15:20	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.80	U	1	2.80	7.50	ug/Kg	11/26/25 15:20	VW112625
120-82-1	1,2,4-Trichlorobenzene	4.50	U	1	4.50	7.50	ug/Kg	11/26/25 15:20	VW112625
87-61-6	1,2,3-Trichlorobenzene	4.80	U	1	4.80	7.50	ug/Kg	11/26/25 15:20	VW112625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	70.1		63 - 155	140%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		52 - 138	113%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	187000
540-36-3	1,4-Difluorobenzene	450000
3114-55-4	Chlorobenzene-d5	514000
3855-82-1	1,4-Dichlorobenzene-d4	231000

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_W\Data\VW112625\
 Data File : VW032544.D
 Acq On : 26 Nov 2025 15:20
 Operator : SY/MD
 Sample : Q3719-05
 Misc : 4.91g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-12A

Quant Time: Nov 27 00:28:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

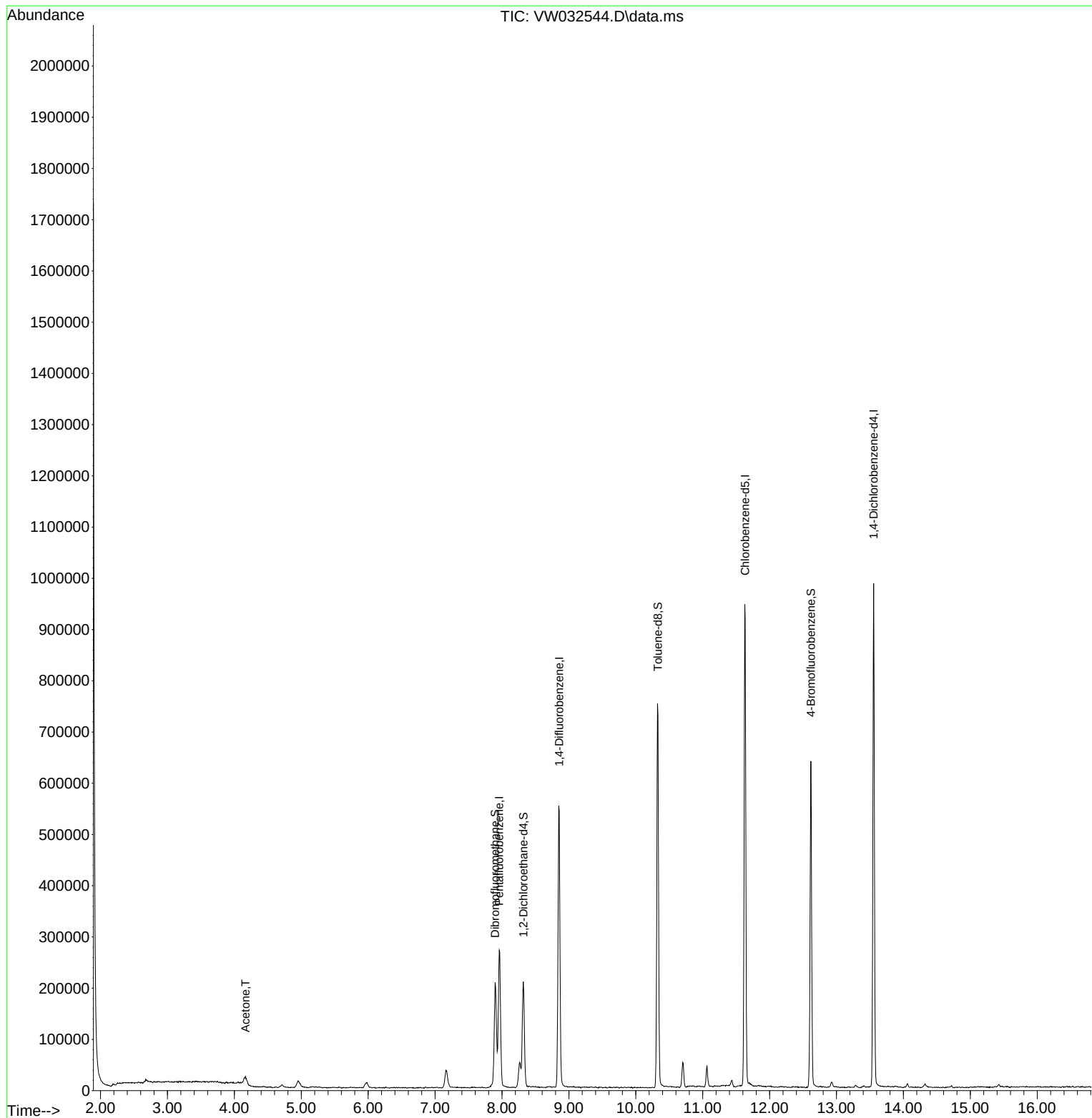
Internal Standards						
1) Pentafluorobenzene	7.959	168	186816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	449736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	514009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	231134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168836	70.100	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 140.200%		
35) Dibromofluoromethane	7.898	113	148492	55.147	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.300%		
50) Toluene-d8	10.331	98	502185	48.614	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 97.220%		
62) 4-Bromofluorobenzene	12.617	95	220623	56.537	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 113.080%		
Target Compounds						
16) Acetone	4.167	43	22319	30.974	ug/l	Qvalue 99

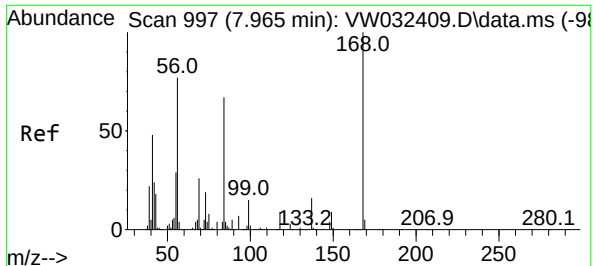
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032544.D
Acq On : 26 Nov 2025 15:20
Operator : SY/MD
Sample : Q3719-05
Misc : 4.91g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

Quant Time: Nov 27 00:28:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

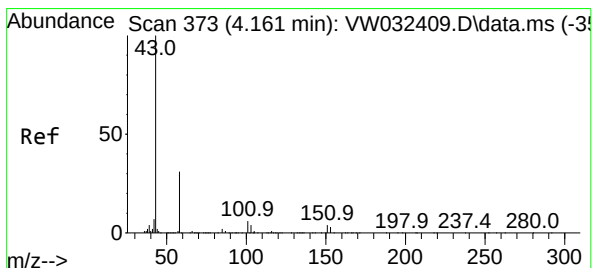
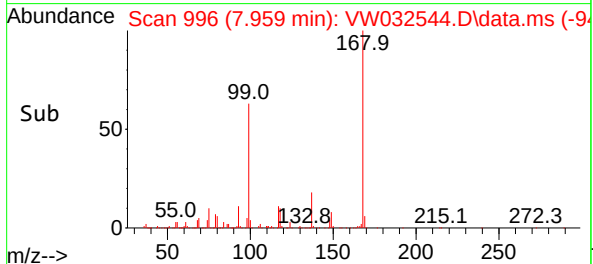
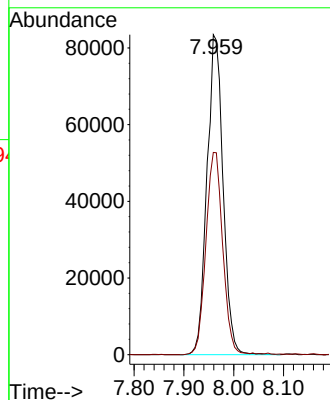
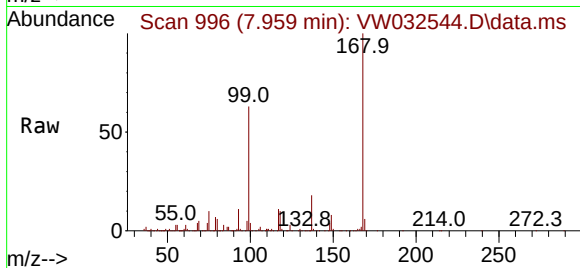




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

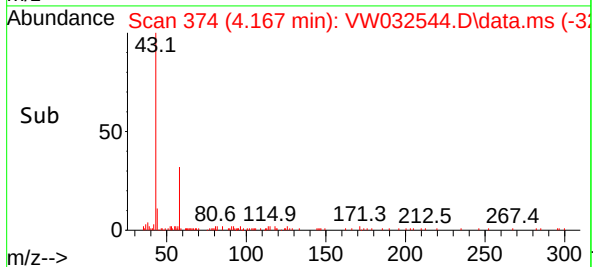
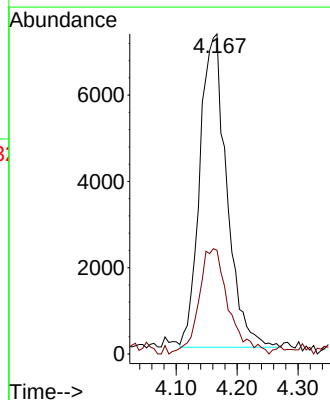
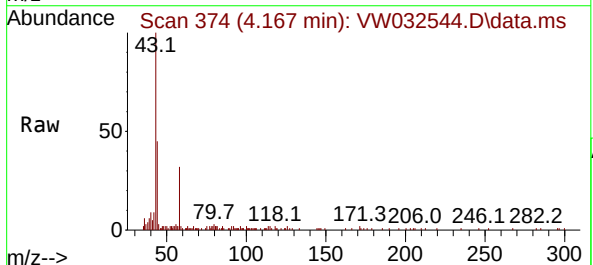
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

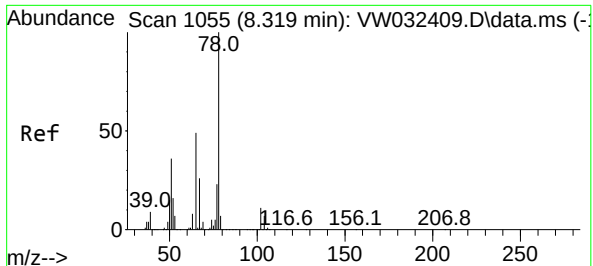
Tgt Ion:168 Resp: 186816
Ion Ratio Lower Upper
168 100
99 63.2 45.4 68.2



#16
Acetone
Concen: 30.974 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

Tgt Ion: 43 Resp: 22319
Ion Ratio Lower Upper
43 100
58 31.3 24.8 37.2

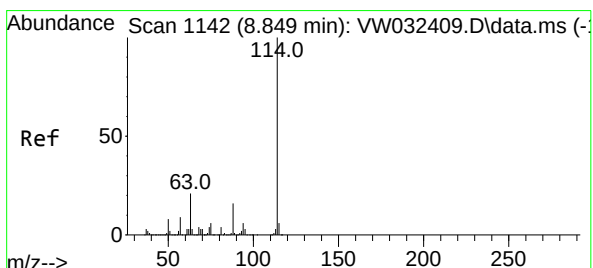
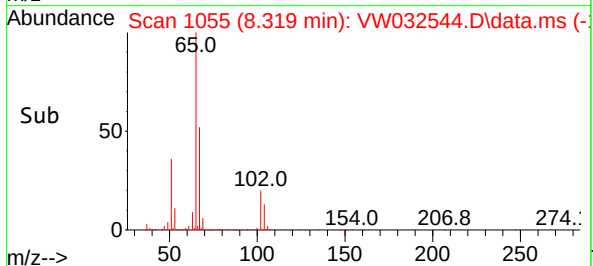
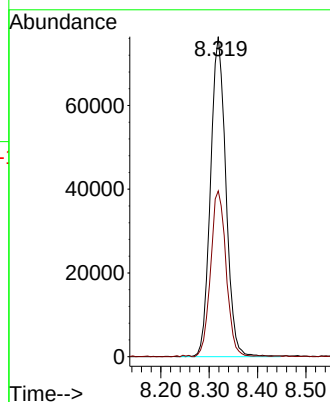
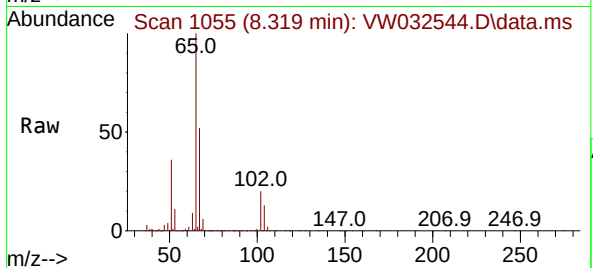




#33
1,2-Dichloroethane-d4
Concen: 70.100 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

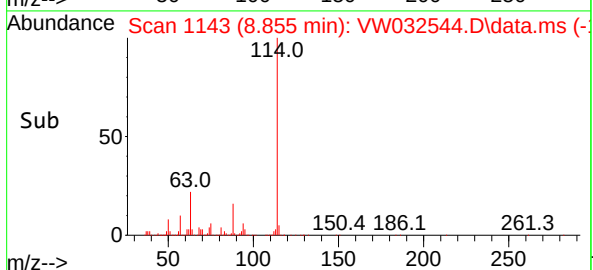
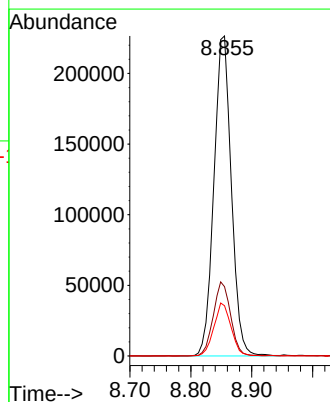
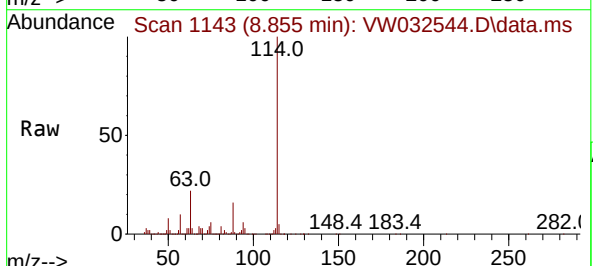
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

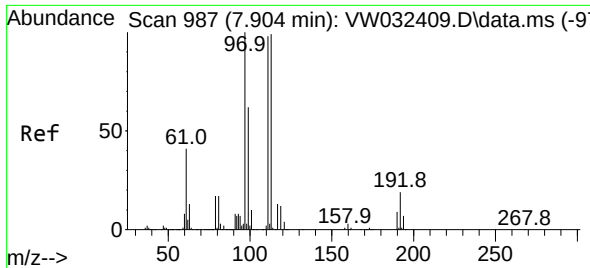
Tgt Ion: 65 Resp: 168836
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

Tgt Ion: 114 Resp: 449736
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.147 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW032544.D

Acq: 26 Nov 2025 15:20

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-12A

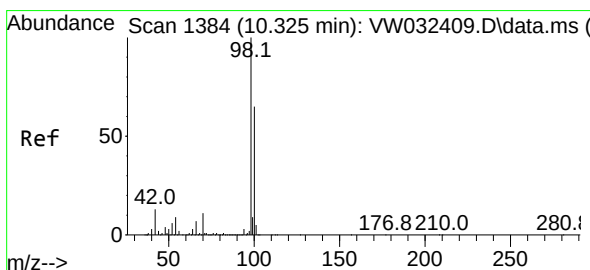
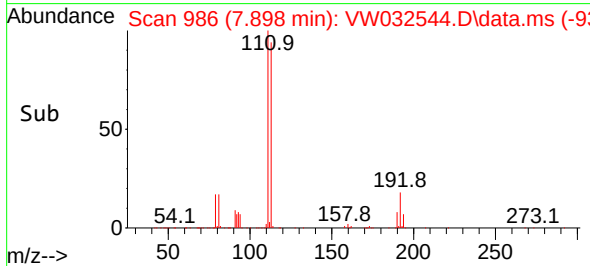
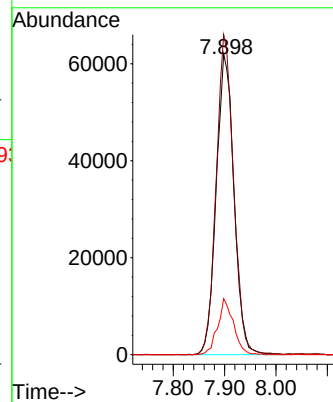
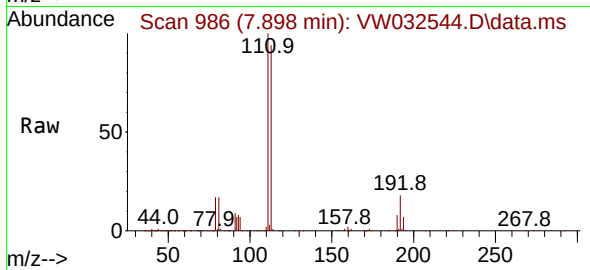
Tgt Ion:113 Resp: 148492

Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

192 16.7 13.4 20.2



#50

Toluene-d8

Concen: 48.614 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032544.D

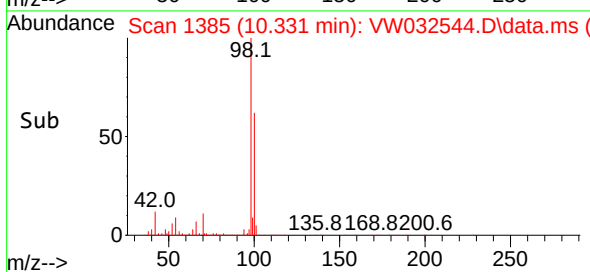
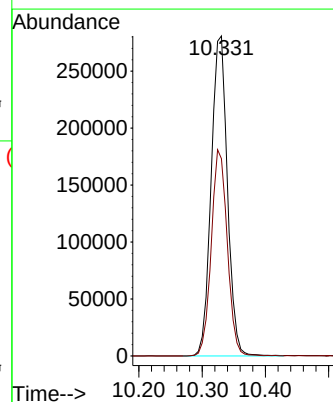
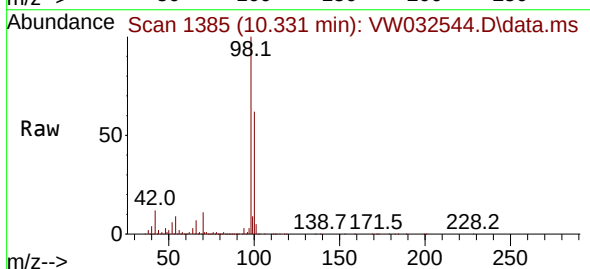
Acq: 26 Nov 2025 15:20

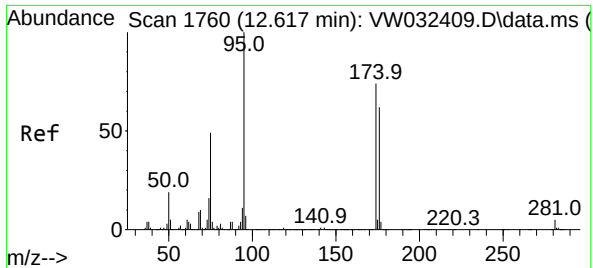
Tgt Ion: 98 Resp: 502185

Ion Ratio Lower Upper

98 100

100 63.5 53.3 79.9

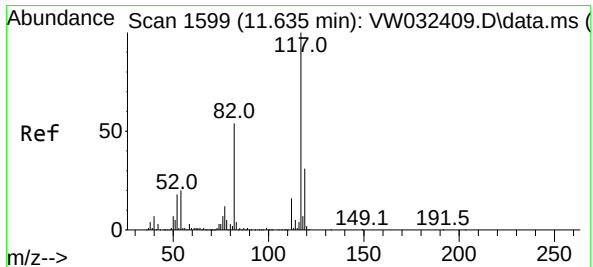
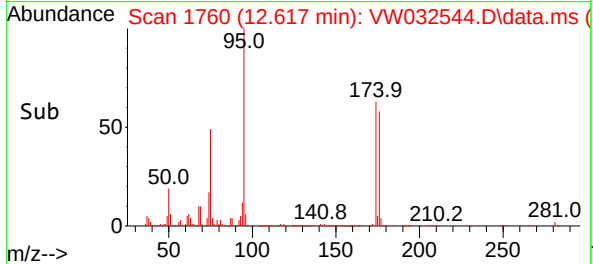
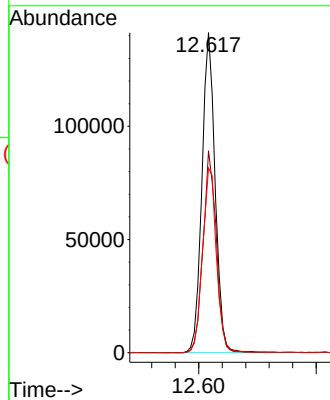
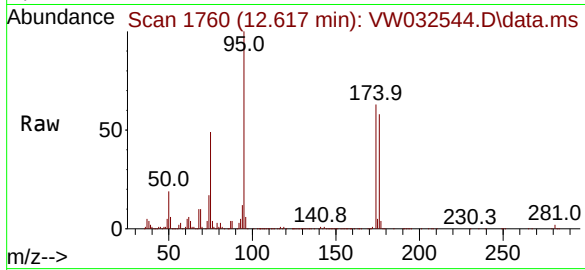




#62
4-Bromofluorobenzene
Concen: 56.537 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

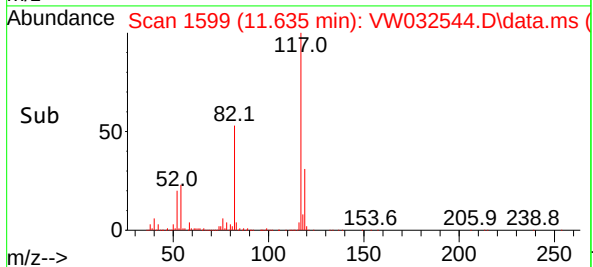
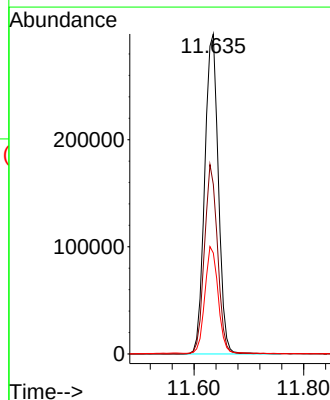
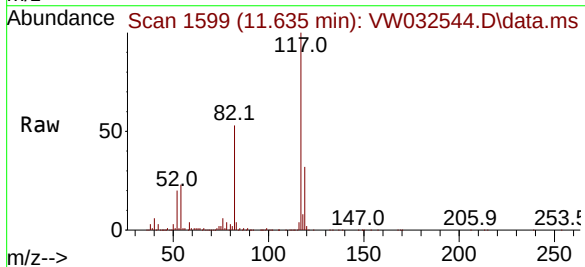
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

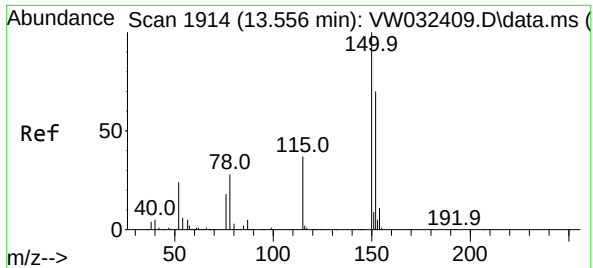
Tgt Ion: 95 Resp: 220623
Ion Ratio Lower Upper
95 100
174 63.8 0.0 135.4
176 60.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

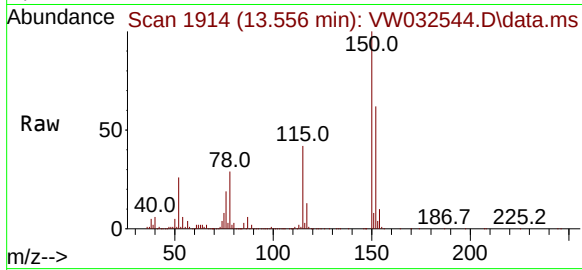
Tgt Ion: 117 Resp: 514009
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.5 25.0 37.6



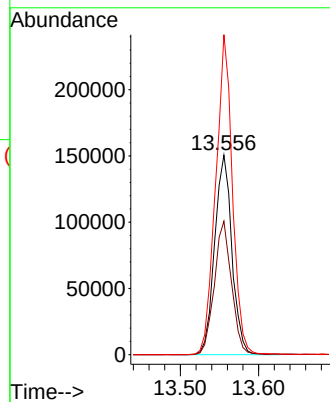
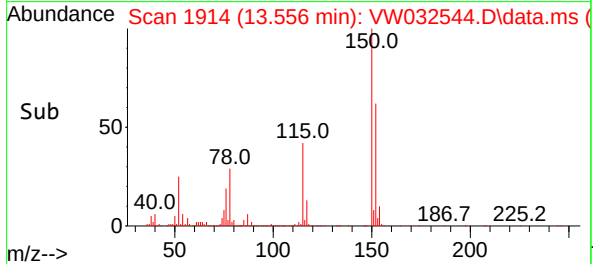


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032544.D
Acq: 26 Nov 2025 15:20

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A



Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	32.8	98.3
150	155.6	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032544.D
 Acq On : 26 Nov 2025 15:20
 Operator : SY/MD
 Sample : Q3719-05
 Misc : 4.91g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-12A

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032544.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.167	367	374	383	rVB2	17634	56002	3.46%	0.634%
2	4.953	494	503	513	rBV3	13510	47515	2.94%	0.538%
3	5.984	662	672	678	rBV8	10327	32576	2.01%	0.369%
4	7.160	857	865	877	rBV2	34291	103587	6.40%	1.173%
5	7.898	972	986	991	rBV	205020	490280	30.28%	5.554%
6	7.959	991	996	1008	rVB	265590	609964	37.68%	6.910%
7	8.264	1035	1046	1049	rBV	49655	117764	7.27%	1.334%
8	8.319	1049	1055	1064	rVB	204804	462956	28.60%	5.244%
9	8.849	1134	1142	1158	rBV	549387	1110869	68.62%	12.584%
10	10.324	1376	1384	1400	rBV	750187	1359408	83.97%	15.400%
11	10.702	1438	1446	1454	rBV	49192	99473	6.14%	1.127%
12	11.062	1499	1505	1512	rBV2	41840	70867	4.38%	0.803%
13	11.434	1560	1566	1571	rVB3	12834	26575	1.64%	0.301%
14	11.629	1590	1598	1607	rBV	940432	1618894	100.00%	18.339%
15	12.617	1751	1760	1774	rBV	637271	1050582	64.90%	11.901%
16	12.928	1804	1811	1817	rBV3	9821	21636	1.34%	0.245%
17	13.556	1906	1914	1929	rBV	981981	1528178	94.40%	17.312%
18	14.324	2030	2040	2048	rBV	7632	20374	1.26%	0.231%

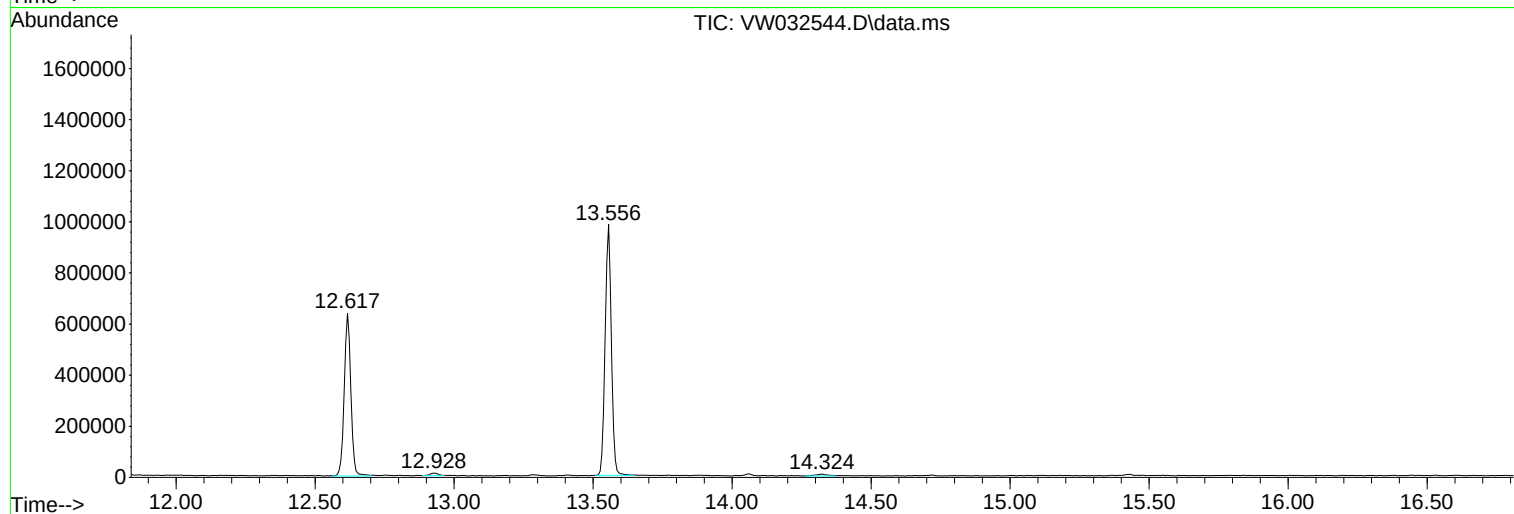
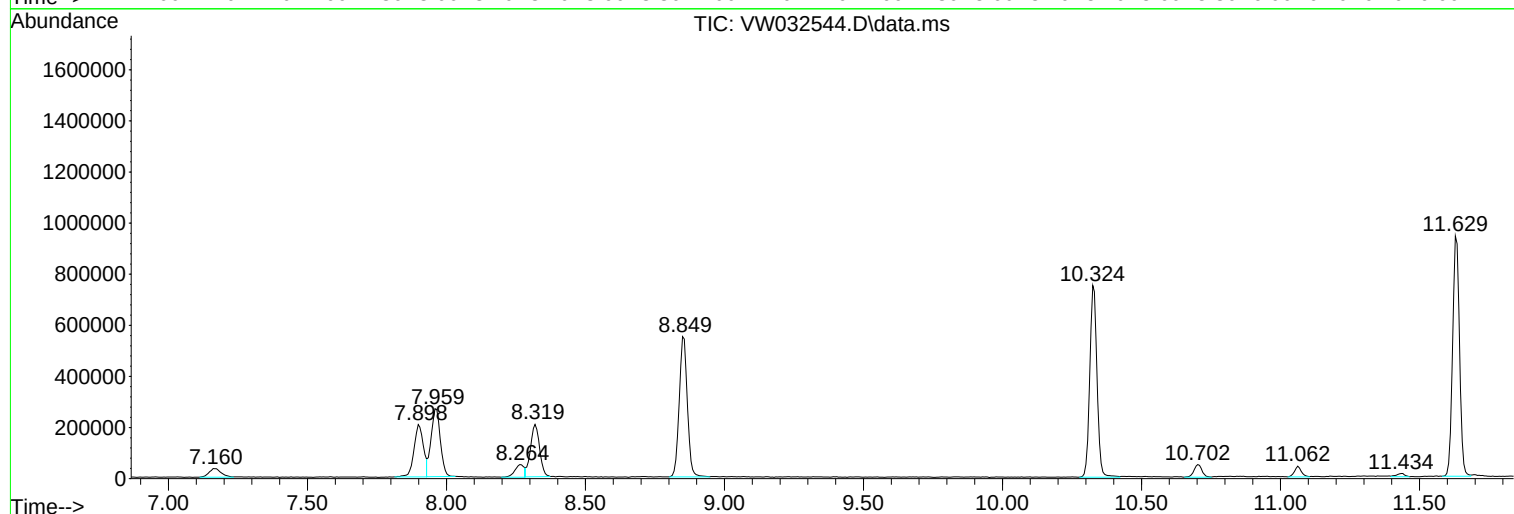
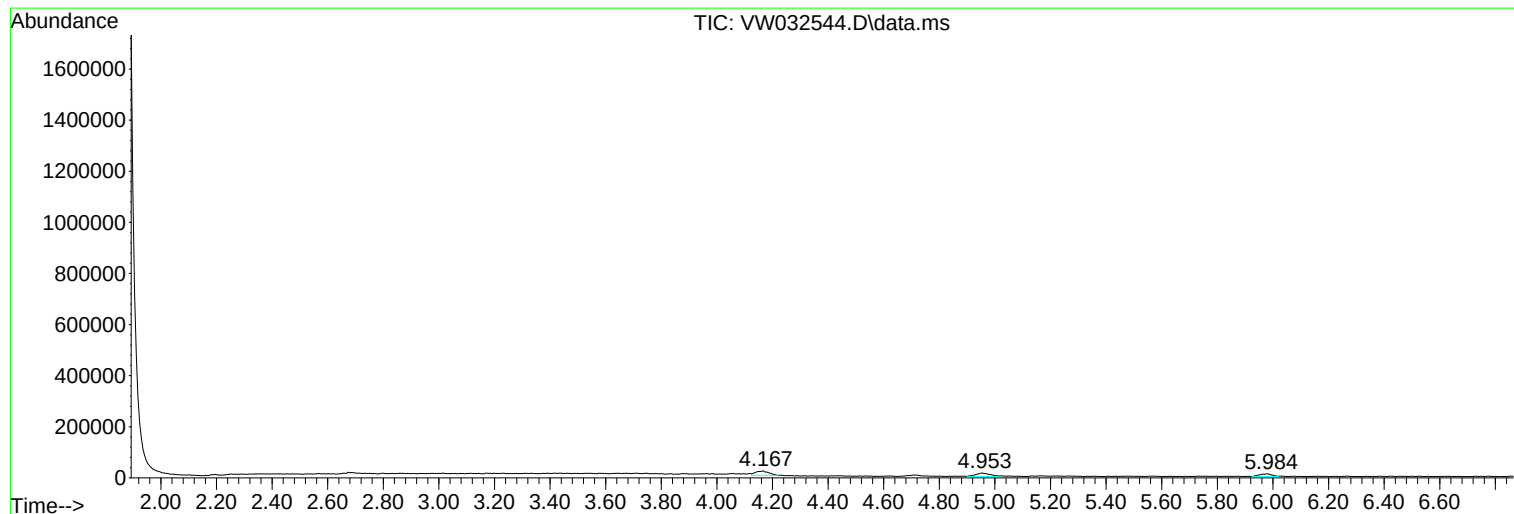
Sum of corrected areas: 8827500

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032544.D
Acq On : 26 Nov 2025 15:20
Operator : SY/MD
Sample : Q3719-05
Misc : 4.91g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032544.D
Acq On : 26 Nov 2025 15:20
Operator : SY/MD
Sample : Q3719-05
Misc : 4.91g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032544.D
Acq On : 26 Nov 2025 15:20
Operator : SY/MD
Sample : Q3719-05
Misc : 4.91g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-12B
 Lab Sample ID: Q3719-06
 Analytical Method: 8260D
 Sample Wt/Vol: 5.12 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 87.3
 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	11/26/25 15:42	VW112625
74-87-3	Chloromethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 15:42	VW112625
75-01-4	Vinyl Chloride	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 15:42	VW112625
74-83-9	Bromomethane	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 15:42	VW112625
75-00-3	Chloroethane	1.40	U	1	1.40	5.60	ug/Kg	11/26/25 15:42	VW112625
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.60	ug/Kg	11/26/25 15:42	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	UQ	1	1.20	5.60	ug/Kg	11/26/25 15:42	VW112625
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.60	ug/Kg	11/26/25 15:42	VW112625
67-64-1	Acetone	5.30	U	1	5.30	28.0	ug/Kg	11/26/25 15:42	VW112625
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 15:42	VW112625
1634-04-4	Methyl tert-butyl Ether	0.82	U	1	0.82	5.60	ug/Kg	11/26/25 15:42	VW112625
79-20-9	Methyl Acetate	1.70	U	1	1.70	5.60	ug/Kg	11/26/25 15:42	VW112625
75-09-2	Methylene Chloride	3.90	U	1	3.90	11.2	ug/Kg	11/26/25 15:42	VW112625
156-60-5	trans-1,2-Dichloroethene	0.96	U	1	0.96	5.60	ug/Kg	11/26/25 15:42	VW112625
75-34-3	1,1-Dichloroethane	0.89	U	1	0.89	5.60	ug/Kg	11/26/25 15:42	VW112625
110-82-7	Cyclohexane	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 15:42	VW112625
78-93-3	2-Butanone	7.30	U	1	7.30	28.0	ug/Kg	11/26/25 15:42	VW112625
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.60	ug/Kg	11/26/25 15:42	VW112625
156-59-2	cis-1,2-Dichloroethene	0.84	U	1	0.84	5.60	ug/Kg	11/26/25 15:42	VW112625
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 15:42	VW112625
67-66-3	Chloroform	0.94	U	1	0.94	5.60	ug/Kg	11/26/25 15:42	VW112625
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 15:42	VW112625
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 15:42	VW112625
71-43-2	Benzene	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 15:42	VW112625
107-06-2	1,2-Dichloroethane	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 15:42	VW112625
79-01-6	Trichloroethene	0.91	U	1	0.91	5.60	ug/Kg	11/26/25 15:42	VW112625
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 15:42	VW112625
75-27-4	Bromodichloromethane	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 15:42	VW112625
108-10-1	4-Methyl-2-Pentanone	4.00	U	1	4.00	28.0	ug/Kg	11/26/25 15:42	VW112625
108-88-3	Toluene	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 15:42	VW112625
10061-02-6	t-1,3-Dichloropropene	0.73	U	1	0.73	5.60	ug/Kg	11/26/25 15:42	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.69	U	1	0.69	5.60	ug/Kg	11/26/25 15:42	VW112625
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 15:42	VW112625
591-78-6	2-Hexanone	4.10	U	1	4.10	28.0	ug/Kg	11/26/25 15:42	VW112625
124-48-1	Dibromochloromethane	0.97	U	1	0.97	5.60	ug/Kg	11/26/25 15:42	VW112625
106-93-4	1,2-Dibromoethane	0.98	U	1	0.98	5.60	ug/Kg	11/26/25 15:42	VW112625
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 15:42	VW112625
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 15:42	VW112625
100-41-4	Ethyl Benzene	0.75	U	1	0.75	5.60	ug/Kg	11/26/25 15:42	VW112625
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.2	ug/Kg	11/26/25 15:42	VW112625
95-47-6	o-Xylene	0.92	U	1	0.92	5.60	ug/Kg	11/26/25 15:42	VW112625
100-42-5	Styrene	0.79	U	1	0.79	5.60	ug/Kg	11/26/25 15:42	VW112625
75-25-2	Bromoform	0.96	U	1	0.96	5.60	ug/Kg	11/26/25 15:42	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-12B	SDG No.:	Q3719
Lab Sample ID:	Q3719-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	5.12 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 15:42	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.60	ug/Kg	11/26/25 15:42	VW112625
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.60	ug/Kg	11/26/25 15:42	VW112625
106-46-7	1,4-Dichlorobenzene	1.70	U	1	1.70	5.60	ug/Kg	11/26/25 15:42	VW112625
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.60	ug/Kg	11/26/25 15:42	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.60	ug/Kg	11/26/25 15:42	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.30	U	1	3.30	5.60	ug/Kg	11/26/25 15:42	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.60	U	1	3.60	5.60	ug/Kg	11/26/25 15:42	VW112625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	69.5			63 - 155	139%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	46.0			74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2			52 - 138	106%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	187000
540-36-3	1,4-Difluorobenzene	471000
3114-55-4	Chlorobenzene-d5	539000
3855-82-1	1,4-Dichlorobenzene-d4	266000

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_W\Data\VW112625\
 Data File : VW032545.D
 Acq On : 26 Nov 2025 15:42
 Operator : SY/MD
 Sample : Q3719-06
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-12B

Quant Time: Nov 27 00:29:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	186663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	470881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	539261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	265861	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167157	69.460	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	138.920%
35) Dibromofluoromethane	7.898	113	151206	53.633	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.260%
50) Toluene-d8	10.325	98	497865	46.032	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.617	95	217244	53.171	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.340%

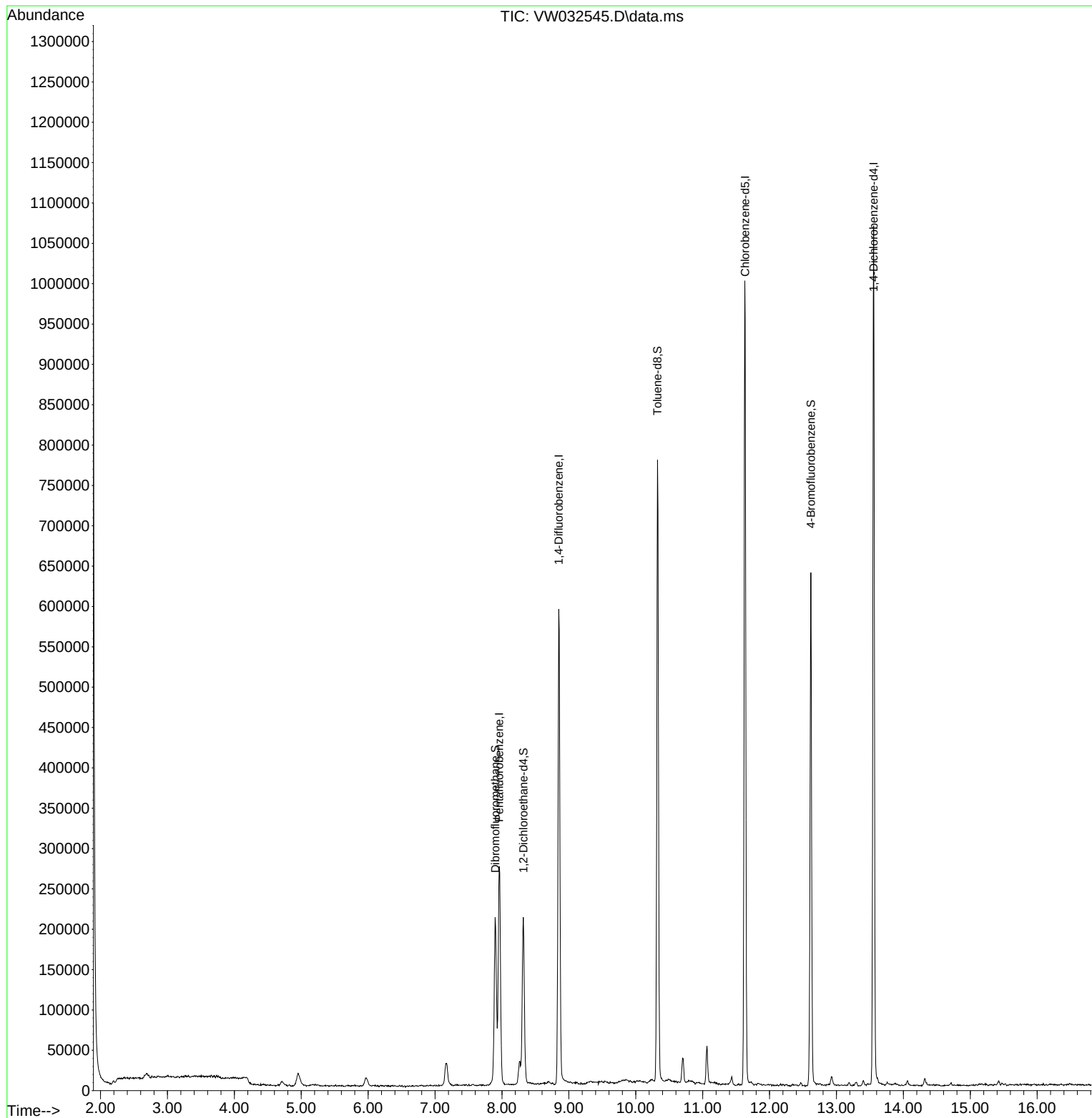
Target Compounds	Qvalue

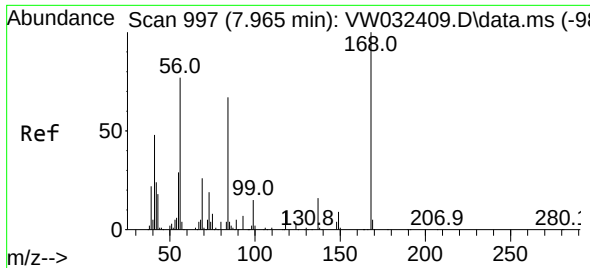
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032545.D
Acq On : 26 Nov 2025 15:42
Operator : SY/MD
Sample : Q3719-06
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

Quant Time: Nov 27 00:29:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

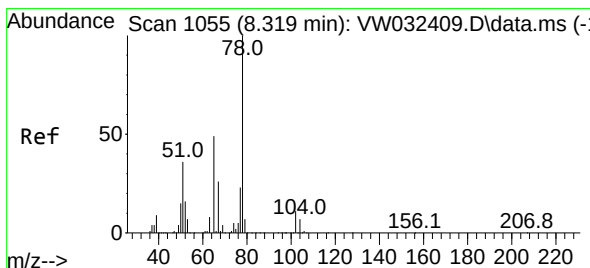
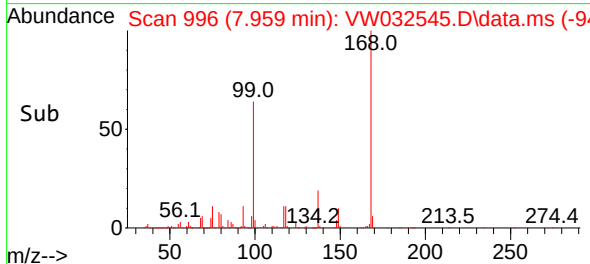
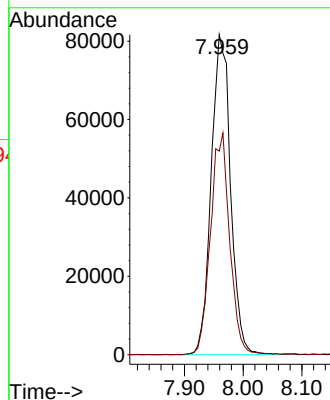
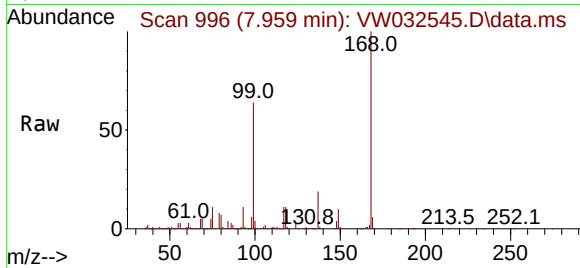




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032545.D
Acq: 26 Nov 2025 15:42

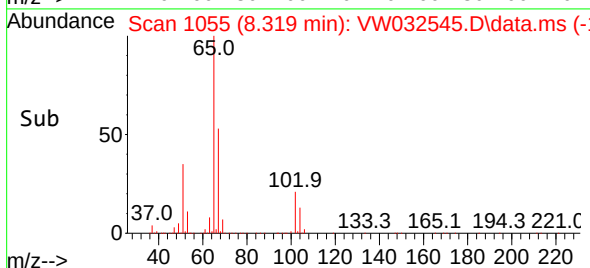
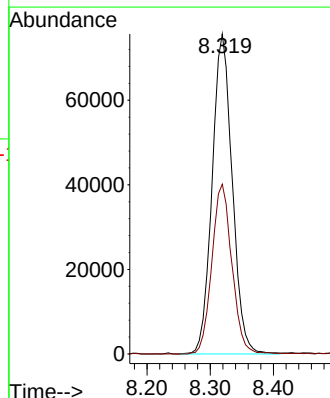
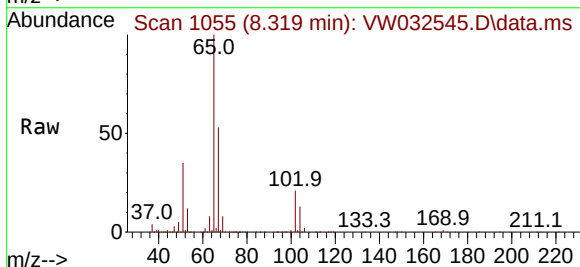
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

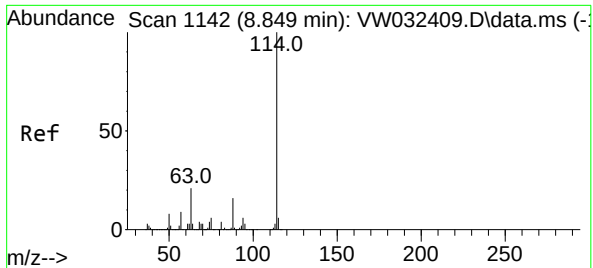
Tgt Ion:168 Resp: 186663
Ion Ratio Lower Upper
168 100
99 63.6 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.460 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032545.D
Acq: 26 Nov 2025 15:42

Tgt Ion: 65 Resp: 167157
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032545.D

Acq: 26 Nov 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-12B

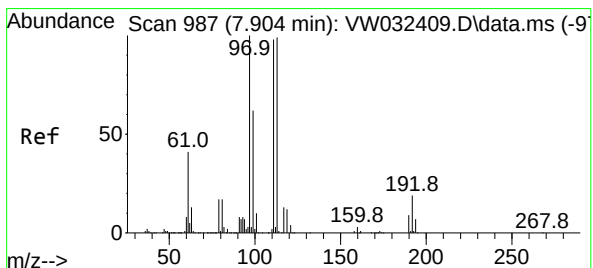
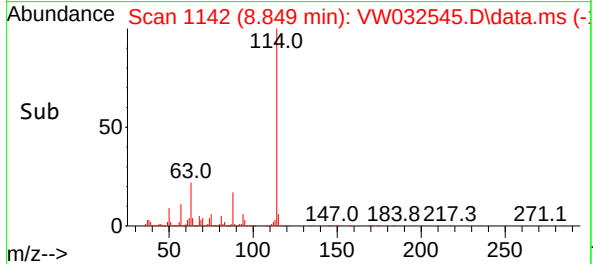
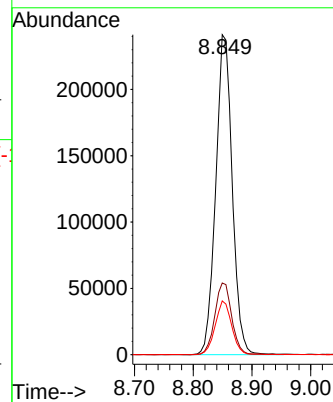
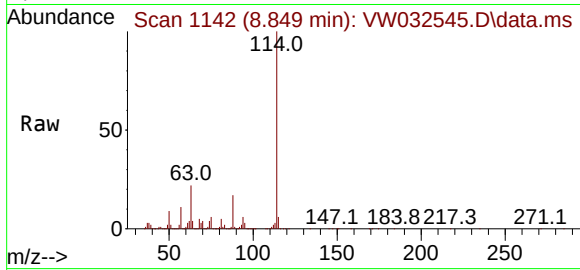
Tgt Ion:114 Resp: 470881

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.633 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032545.D

Acq: 26 Nov 2025 15:42

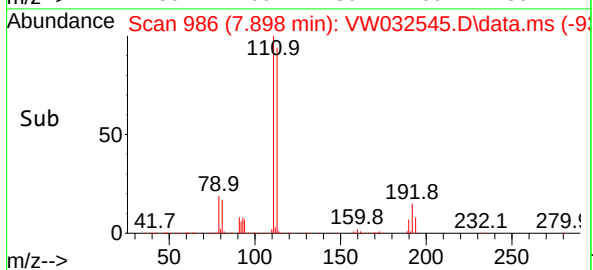
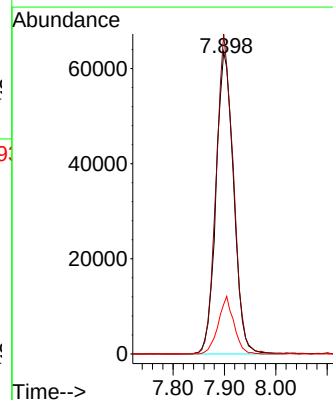
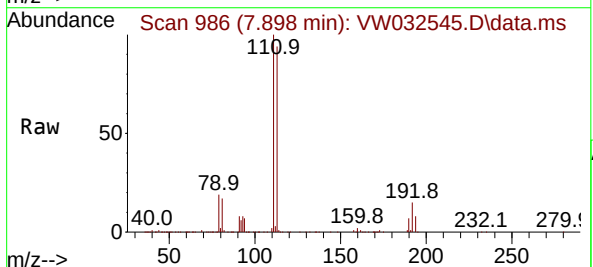
Tgt Ion:113 Resp: 151206

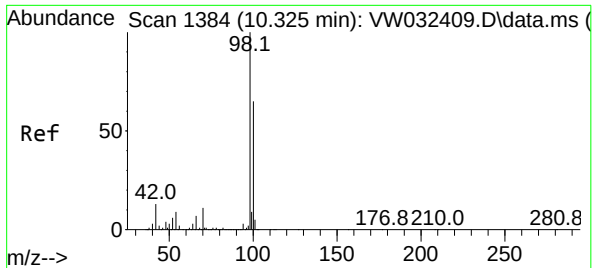
Ion Ratio Lower Upper

113 100

111 103.6 83.1 124.7

192 16.9 13.4 20.2

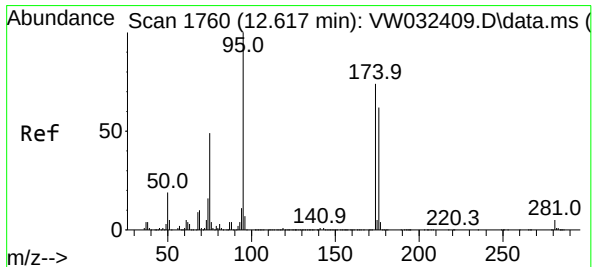
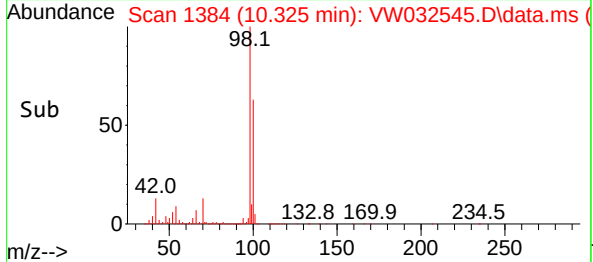
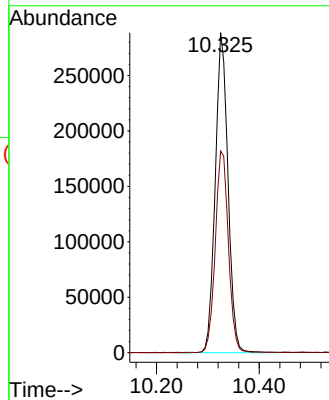
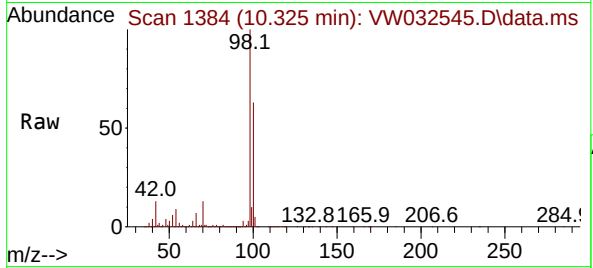




#50
Toluene-d8
Concen: 46.032 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032545.D
Acq: 26 Nov 2025 15:42

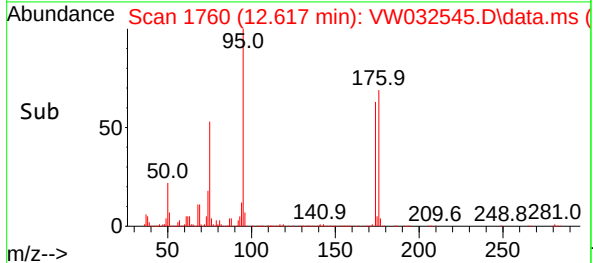
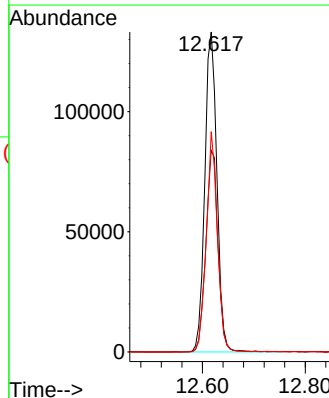
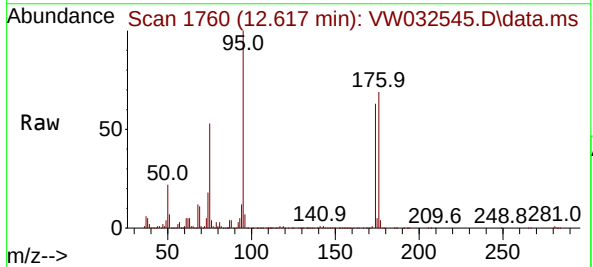
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

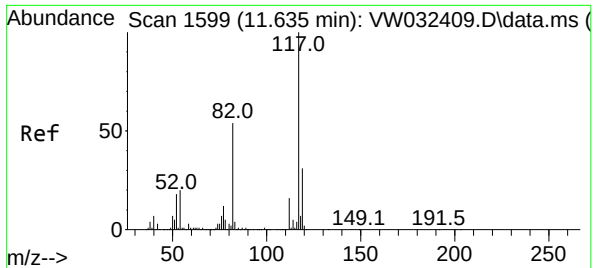
Tgt Ion: 98 Resp: 497865
Ion Ratio Lower Upper
98 100
100 64.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.171 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032545.D
Acq: 26 Nov 2025 15:42

Tgt Ion: 95 Resp: 217244
Ion Ratio Lower Upper
95 100
174 63.4 0.0 135.4
176 63.3 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032545.D

Acq: 26 Nov 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-12B

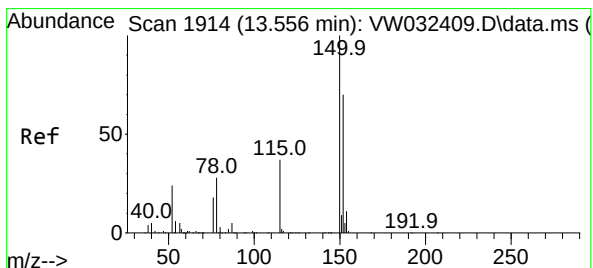
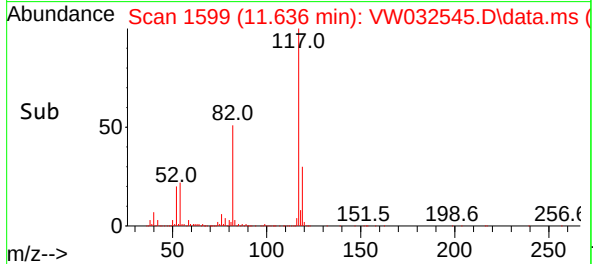
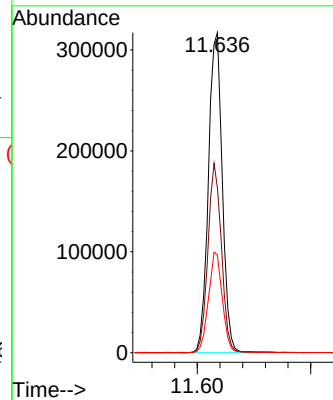
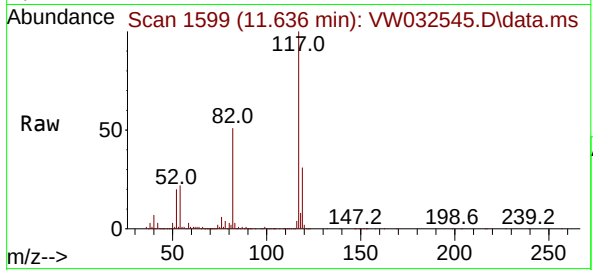
Tgt Ion:117 Resp: 539261

Ion Ratio Lower Upper

117 100

82 51.4 43.0 64.4

119 30.5 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032545.D

Acq: 26 Nov 2025 15:42

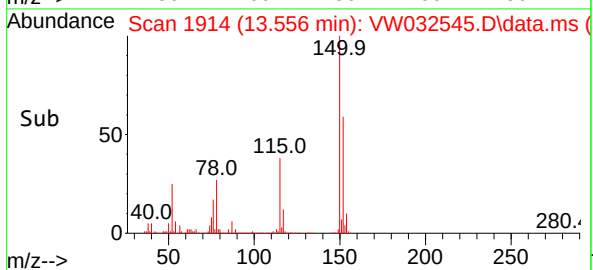
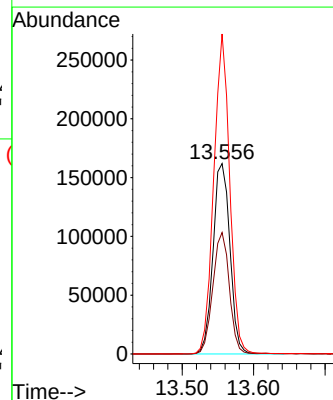
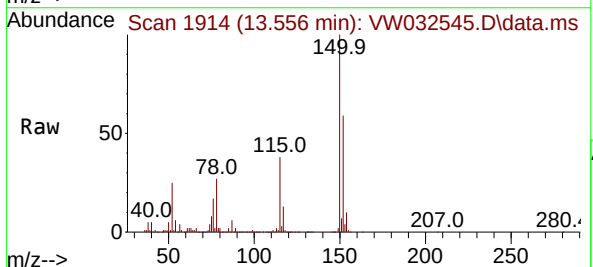
Tgt Ion:152 Resp: 265861

Ion Ratio Lower Upper

152 100

115 62.2 32.8 98.3

150 158.5 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032545.D
 Acq On : 26 Nov 2025 15:42
 Operator : SY/MD
 Sample : Q3719-06
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-12B

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_W\Method\82W111025S.M
 Title : SW846 8260

Signal : TIC: VW032545.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	491	503	516	rBV2	15702	59992	3.51%	0.667%
2	7.173	855	867	879	rBV	27813	88952	5.20%	0.988%
3	7.898	970	986	991	rBV2	208161	503759	29.44%	5.598%
4	7.959	991	996	1009	rVB	270516	633087	37.00%	7.035%
5	8.264	1036	1046	1048	rBV2	28820	60031	3.51%	0.667%
6	8.319	1048	1055	1066	rVB	205732	468413	27.37%	5.205%
7	8.849	1133	1142	1158	rBV	589149	1181356	69.04%	13.128%
8	10.325	1376	1384	1402	rVB	770098	1340920	78.36%	14.901%
9	10.703	1439	1446	1454	rVB2	30208	61436	3.59%	0.683%
10	11.062	1499	1505	1511	rBV2	47853	84967	4.97%	0.944%
11	11.434	1558	1566	1572	rVB5	10111	19981	1.17%	0.222%
12	11.629	1590	1598	1608	rBV	996671	1702144	99.47%	18.915%
13	12.617	1751	1760	1773	rBV	635739	1041746	60.88%	11.576%
14	12.922	1806	1810	1820	rVB5	10505	22020	1.29%	0.245%
15	13.556	1906	1914	1926	rBV	1063697	1711129	100.00%	19.015%
16	14.318	2032	2039	2043	rBV8	9404	19083	1.12%	0.212%

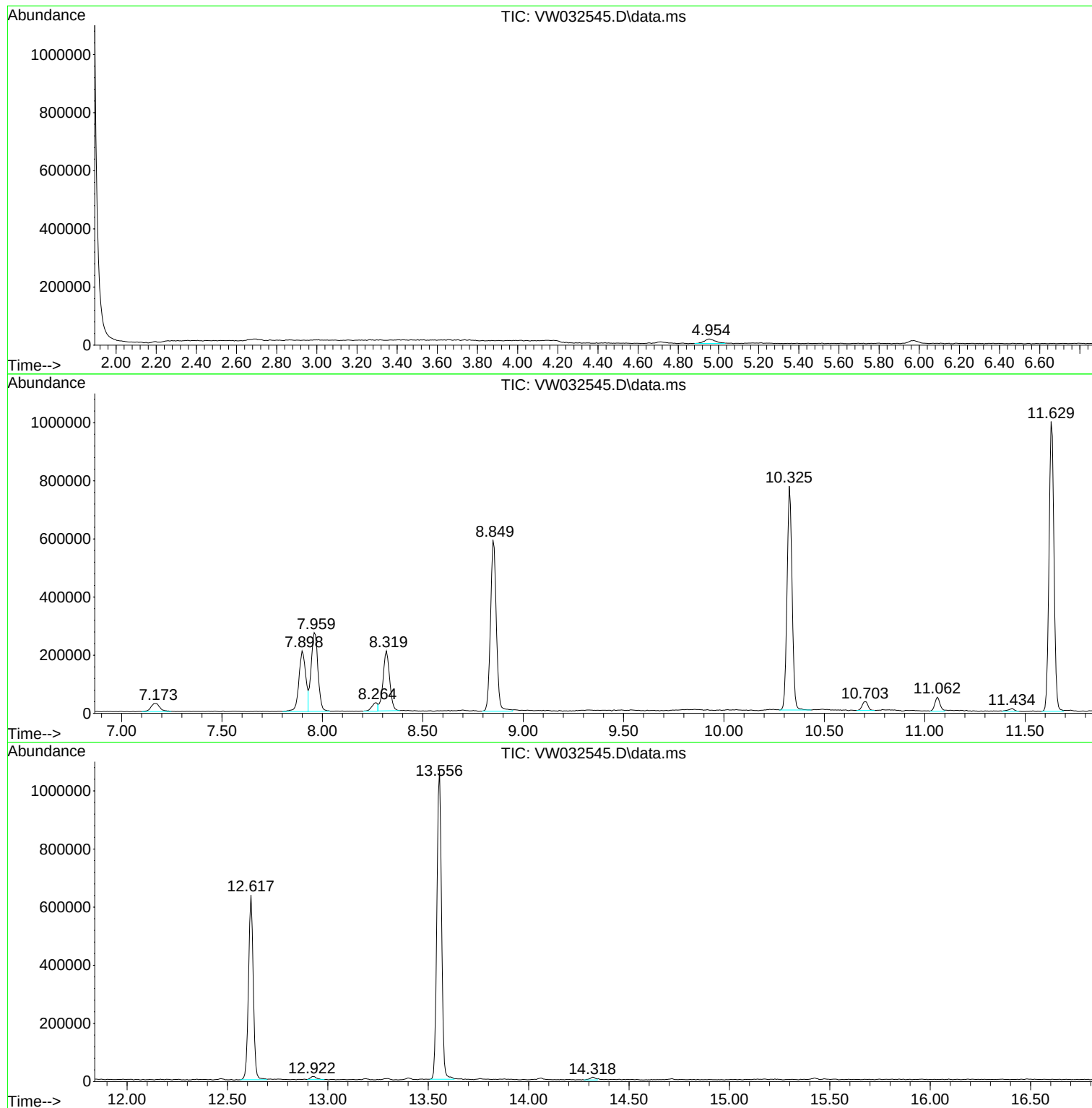
Sum of corrected areas: 8999016

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032545.D
Acq On : 26 Nov 2025 15:42
Operator : SY/MD
Sample : Q3719-06
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032545.D
Acq On : 26 Nov 2025 15:42
Operator : SY/MD
Sample : Q3719-06
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032545.D
Acq On : 26 Nov 2025 15:42
Operator : SY/MD
Sample : Q3719-06
Misc : 5.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-12B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-14A
 Lab Sample ID: Q3719-07
 Analytical Method: 8260D
 Sample Wt/Vol: 3.36 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 83.4
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.00	U	1	2.00	8.90	ug/Kg	11/26/25 16:04	VW112625
74-87-3	Chloromethane	2.00	U	1	2.00	8.90	ug/Kg	11/26/25 16:04	VW112625
75-01-4	Vinyl Chloride	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
74-83-9	Bromomethane	1.90	U	1	1.90	8.90	ug/Kg	11/26/25 16:04	VW112625
75-00-3	Chloroethane	2.20	U	1	2.20	8.90	ug/Kg	11/26/25 16:04	VW112625
75-69-4	Trichlorofluoromethane	2.20	U	1	2.20	8.90	ug/Kg	11/26/25 16:04	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	UQ	1	1.90	8.90	ug/Kg	11/26/25 16:04	VW112625
75-35-4	1,1-Dichloroethene	1.80	U	1	1.80	8.90	ug/Kg	11/26/25 16:04	VW112625
67-64-1	Acetone	8.50	U	1	8.50	44.6	ug/Kg	11/26/25 16:04	VW112625
75-15-0	Carbon Disulfide	1.90	U	1	1.90	8.90	ug/Kg	11/26/25 16:04	VW112625
1634-04-4	Methyl tert-butyl Ether	1.30	U	1	1.30	8.90	ug/Kg	11/26/25 16:04	VW112625
79-20-9	Methyl Acetate	2.70	U	1	2.70	8.90	ug/Kg	11/26/25 16:04	VW112625
75-09-2	Methylene Chloride	6.30	U	1	6.30	17.8	ug/Kg	11/26/25 16:04	VW112625
156-60-5	trans-1,2-Dichloroethene	1.50	U	1	1.50	8.90	ug/Kg	11/26/25 16:04	VW112625
75-34-3	1,1-Dichloroethane	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
110-82-7	Cyclohexane	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
78-93-3	2-Butanone	11.7	U	1	11.7	44.6	ug/Kg	11/26/25 16:04	VW112625
56-23-5	Carbon Tetrachloride	1.70	U	1	1.70	8.90	ug/Kg	11/26/25 16:04	VW112625
156-59-2	cis-1,2-Dichloroethene	1.30	U	1	1.30	8.90	ug/Kg	11/26/25 16:04	VW112625
74-97-5	Bromochloromethane	2.10	U	1	2.10	8.90	ug/Kg	11/26/25 16:04	VW112625
67-66-3	Chloroform	1.50	U	1	1.50	8.90	ug/Kg	11/26/25 16:04	VW112625
71-55-6	1,1,1-Trichloroethane	1.70	U	1	1.70	8.90	ug/Kg	11/26/25 16:04	VW112625
108-87-2	Methylcyclohexane	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
71-43-2	Benzene	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
107-06-2	1,2-Dichloroethane	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
79-01-6	Trichloroethene	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
78-87-5	1,2-Dichloropropane	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
75-27-4	Bromodichloromethane	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
108-10-1	4-Methyl-2-Pentanone	6.40	U	1	6.40	44.6	ug/Kg	11/26/25 16:04	VW112625
108-88-3	Toluene	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
10061-02-6	t-1,3-Dichloropropene	1.20	U	1	1.20	8.90	ug/Kg	11/26/25 16:04	VW112625
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1	1.10	8.90	ug/Kg	11/26/25 16:04	VW112625
79-00-5	1,1,2-Trichloroethane	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
591-78-6	2-Hexanone	6.60	U	1	6.60	44.6	ug/Kg	11/26/25 16:04	VW112625
124-48-1	Dibromochloromethane	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
106-93-4	1,2-Dibromoethane	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
127-18-4	Tetrachloroethene	1.90	U	1	1.90	8.90	ug/Kg	11/26/25 16:04	VW112625
108-90-7	Chlorobenzene	1.60	U	1	1.60	8.90	ug/Kg	11/26/25 16:04	VW112625
100-41-4	Ethyl Benzene	1.20	U	1	1.20	8.90	ug/Kg	11/26/25 16:04	VW112625
179601-23-1	m/p-Xylenes	2.20	U	1	2.20	17.8	ug/Kg	11/26/25 16:04	VW112625
95-47-6	o-Xylene	1.50	U	1	1.50	8.90	ug/Kg	11/26/25 16:04	VW112625
100-42-5	Styrene	1.30	U	1	1.30	8.90	ug/Kg	11/26/25 16:04	VW112625
75-25-2	Bromoform	1.50	U	1	1.50	8.90	ug/Kg	11/26/25 16:04	VW112625

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-14A	SDG No.:	Q3719
Lab Sample ID:	Q3719-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.4
Sample Wt/Vol:	3.36 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.40	U	1	1.40	8.90	ug/Kg	11/26/25 16:04	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	1	2.20	8.90	ug/Kg	11/26/25 16:04	VW112625
541-73-1	1,3-Dichlorobenzene	3.10	U	1	3.10	8.90	ug/Kg	11/26/25 16:04	VW112625
106-46-7	1,4-Dichlorobenzene	2.80	U	1	2.80	8.90	ug/Kg	11/26/25 16:04	VW112625
95-50-1	1,2-Dichlorobenzene	2.60	U	1	2.60	8.90	ug/Kg	11/26/25 16:04	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	3.30	U	1	3.30	8.90	ug/Kg	11/26/25 16:04	VW112625
120-82-1	1,2,4-Trichlorobenzene	5.30	U	1	5.30	8.90	ug/Kg	11/26/25 16:04	VW112625
87-61-6	1,2,3-Trichlorobenzene	5.70	U	1	5.70	8.90	ug/Kg	11/26/25 16:04	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.8			63 - 155	132%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.4			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	43.7			74 - 123	87%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.7			52 - 138	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	200000							
540-36-3	1,4-Difluorobenzene	493000							
3114-55-4	Chlorobenzene-d5	550000							
3855-82-1	1,4-Dichlorobenzene-d4	246000							

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_W\Data\VW112625\
 Data File : VW032546.D
 Acq On : 26 Nov 2025 16:04
 Operator : SY/MD
 Sample : Q3719-07
 Misc : 3.36g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-14A

Quant Time: Nov 27 00:29:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	200349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	492902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	550426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	245674	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169930	65.788	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	131.580%
35) Dibromofluoromethane	7.898	113	154613	52.391	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.780%
50) Toluene-d8	10.325	98	495162	43.736	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.480%
62) 4-Bromofluorobenzene	12.617	95	216969	50.732	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.460%

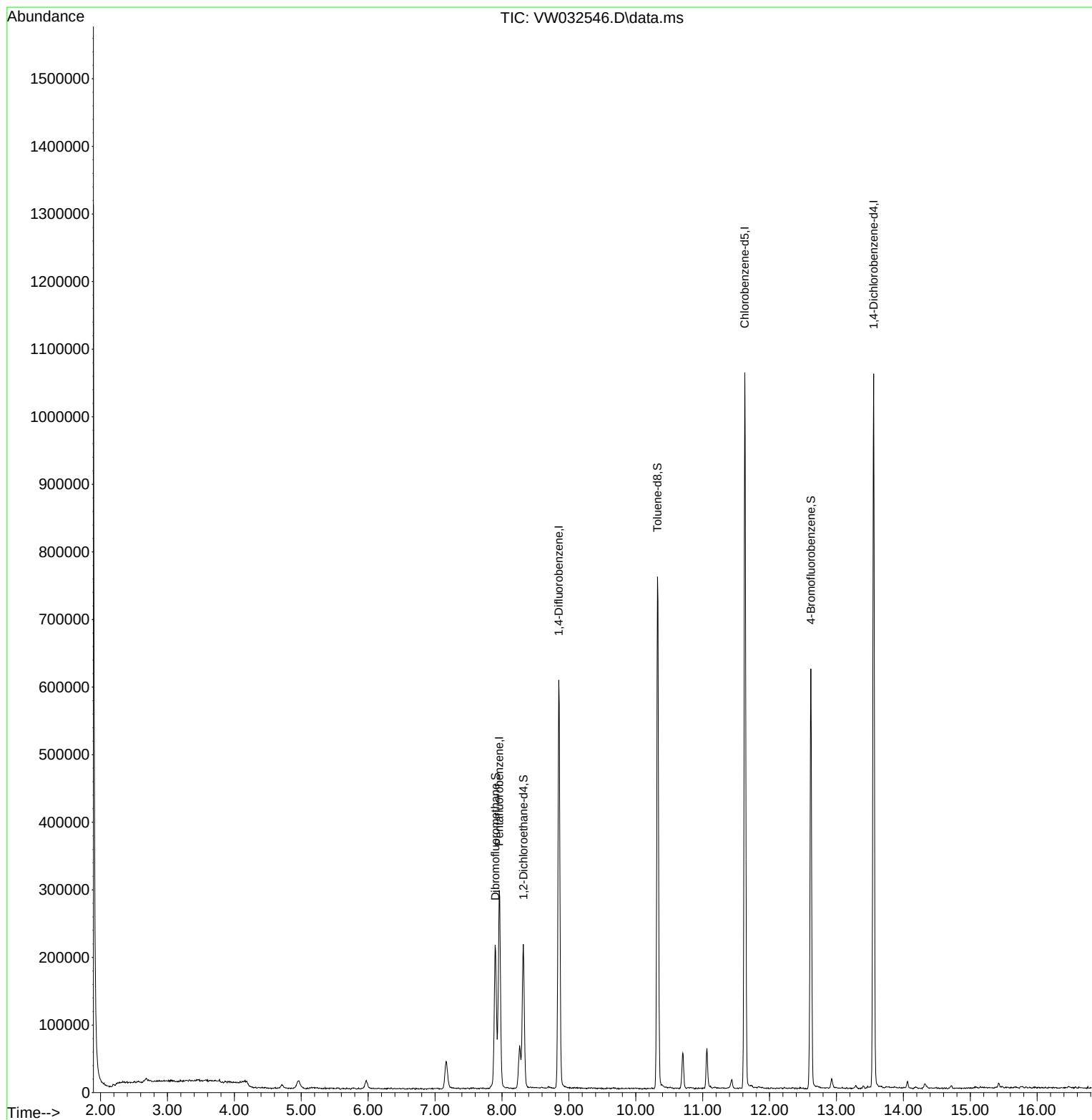
Target Compounds	Qvalue

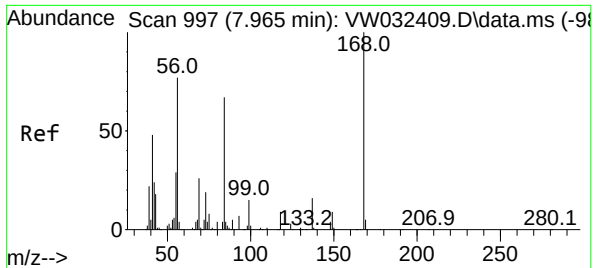
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032546.D
Acq On : 26 Nov 2025 16:04
Operator : SY/MD
Sample : Q3719-07
Misc : 3.36g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

Quant Time: Nov 27 00:29:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

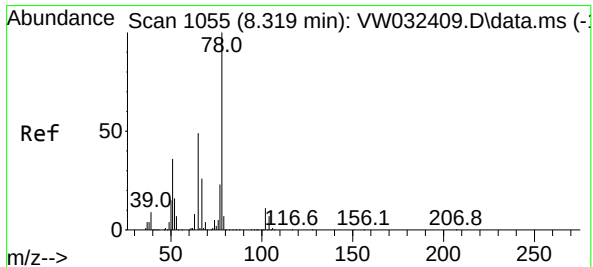
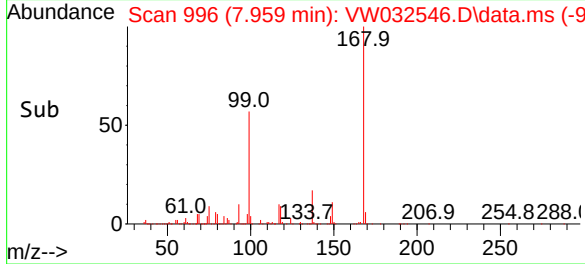
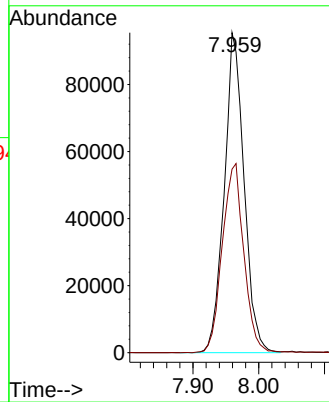
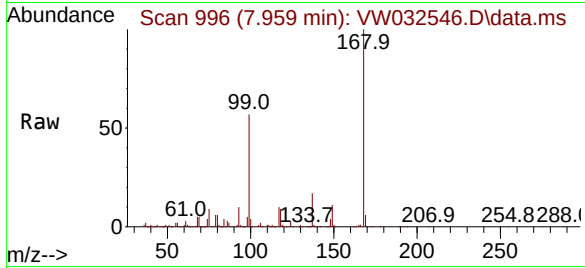




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

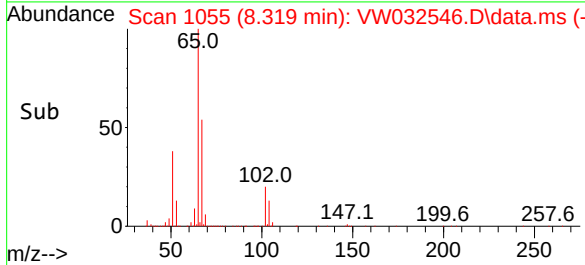
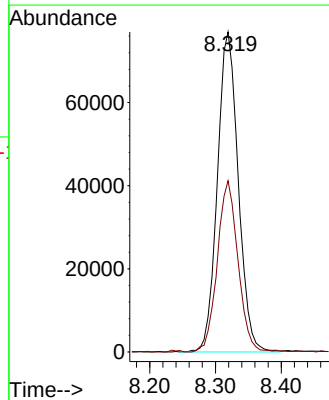
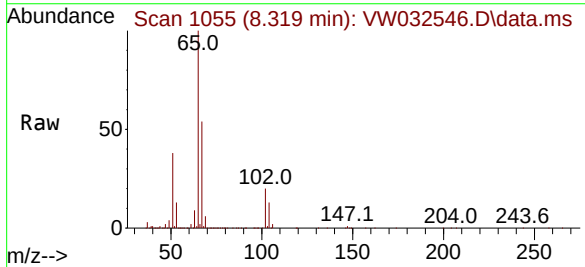
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

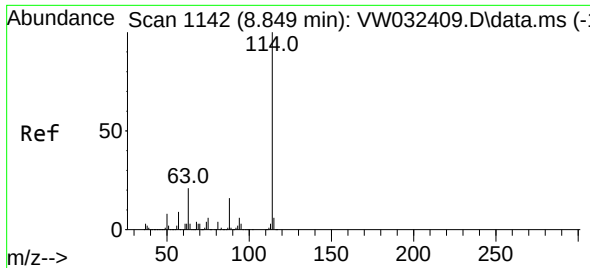
Tgt Ion:168 Resp: 200349
Ion Ratio Lower Upper
168 100
99 57.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 65.788 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 65 Resp: 169930
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-14A

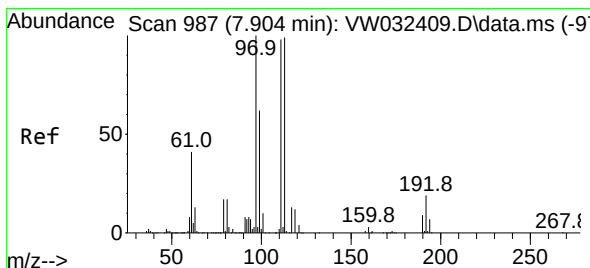
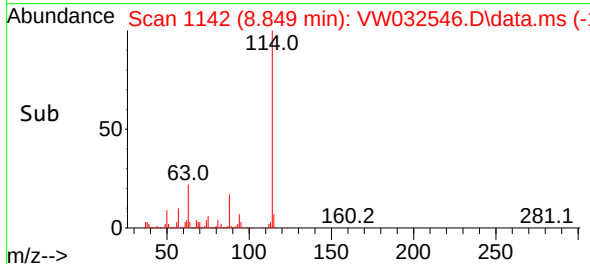
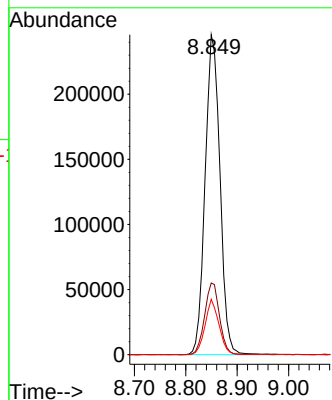
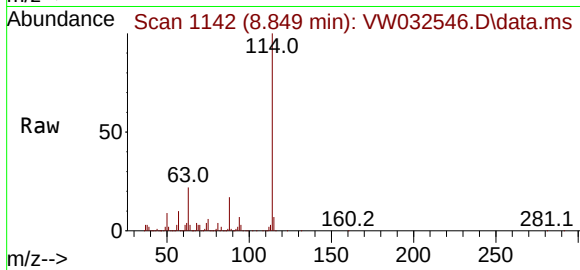
Tgt Ion:114 Resp: 492902

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.391 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

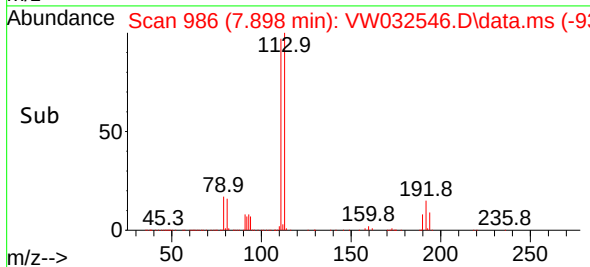
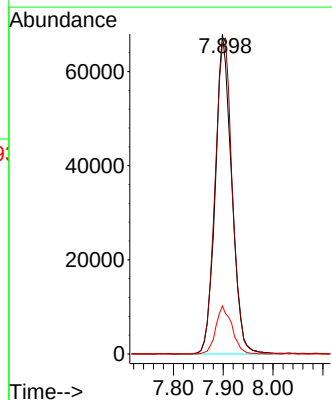
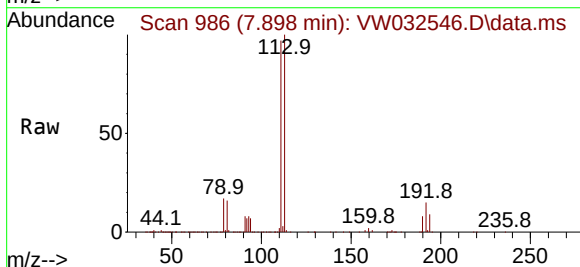
Tgt Ion:113 Resp: 154613

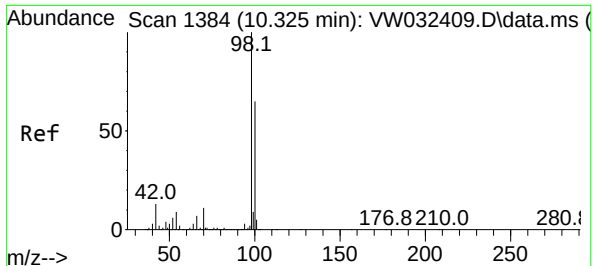
Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

192 14.9 13.4 20.2

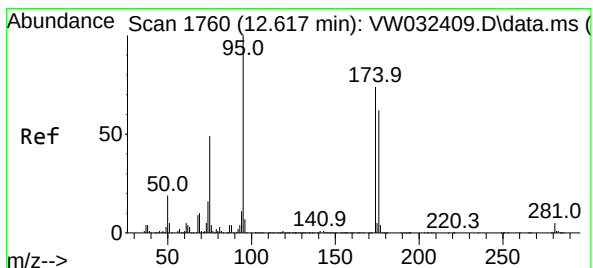
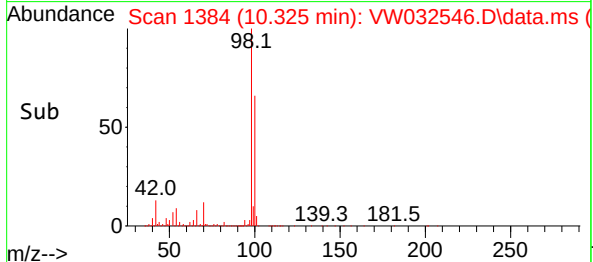
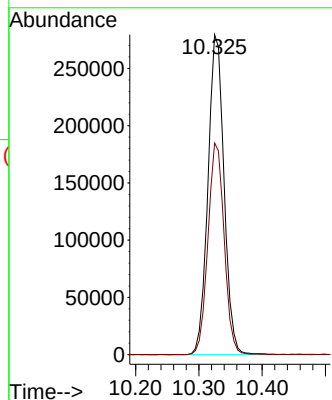
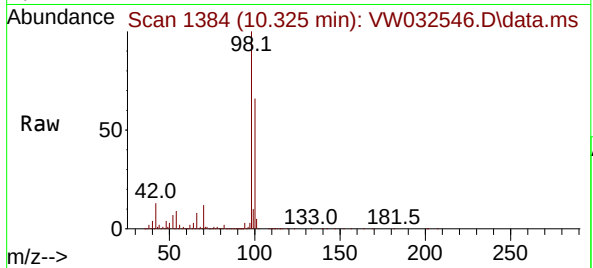




#50
Toluene-d8
Concen: 43.736 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

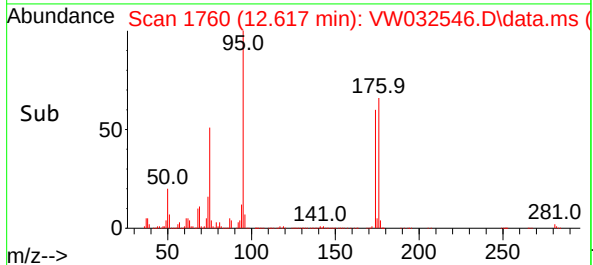
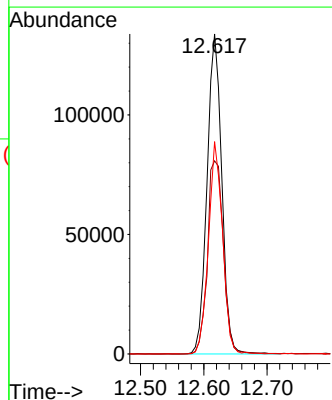
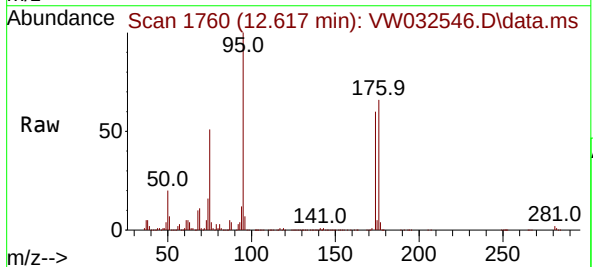
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

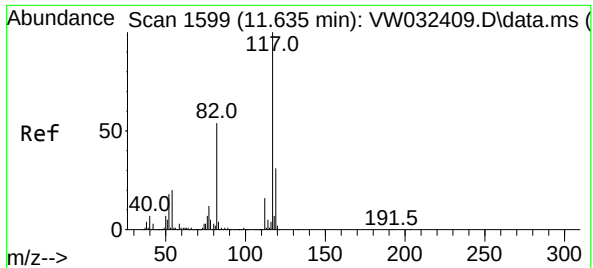
Tgt Ion: 98 Resp: 495162
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.732 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.4
176 63.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-14A

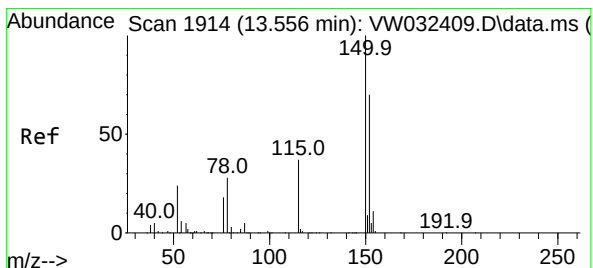
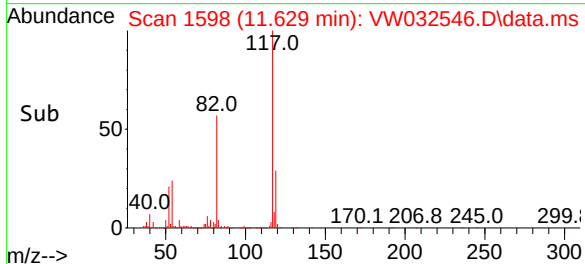
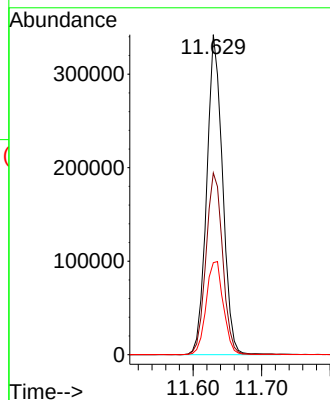
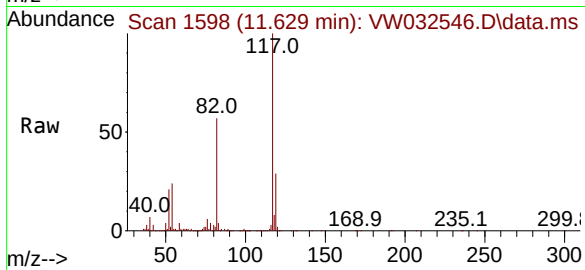
Tgt Ion:117 Resp: 550426

Ion Ratio Lower Upper

117 100

82 56.8 43.0 64.4

119 28.7 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

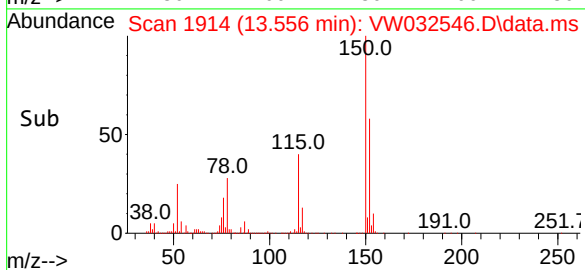
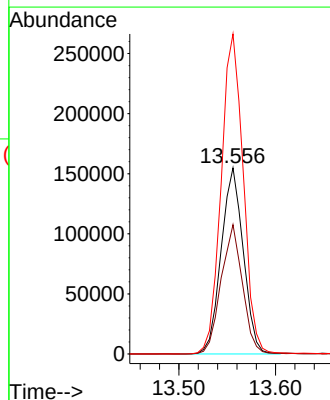
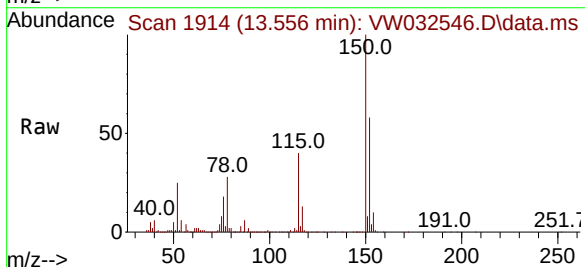
Tgt Ion:152 Resp: 245674

Ion Ratio Lower Upper

152 100

115 67.5 32.8 98.3

150 171.6 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032546.D
 Acq On : 26 Nov 2025 16:04
 Operator : SY/MD
 Sample : Q3719-07
 Misc : 3.36g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-14A

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032546.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.966	494	505	512	rBV3	10532	37264	2.12%	0.402%
2	5.972	662	670	677	rBV5	11616	29388	1.67%	0.317%
3	7.167	854	866	876	rBV	40926	122455	6.96%	1.319%
4	7.898	972	986	991	rBV	212132	508760	28.91%	5.482%
5	7.959	991	996	1011	rVB	292310	654308	37.18%	7.050%
6	8.264	1036	1046	1049	rBV2	63298	139916	7.95%	1.508%
7	8.319	1049	1055	1066	rVB	211951	476176	27.06%	5.131%
8	8.849	1134	1142	1156	rBV	602730	1204934	68.48%	12.983%
9	10.325	1375	1384	1393	rBV	757250	1355348	77.02%	14.604%
10	10.703	1439	1446	1454	rVB	52167	100281	5.70%	1.081%
11	11.062	1500	1505	1513	rBV	58806	101574	5.77%	1.094%
12	11.434	1558	1566	1573	rVB4	12980	26735	1.52%	0.288%
13	11.629	1591	1598	1609	rBV	1058903	1759635	100.00%	18.960%
14	12.617	1751	1760	1772	rBV	621631	1050513	59.70%	11.319%
15	12.928	1804	1811	1817	rBV3	14089	28333	1.61%	0.305%
16	13.556	1907	1914	1927	rBV	1055259	1685342	95.78%	18.159%

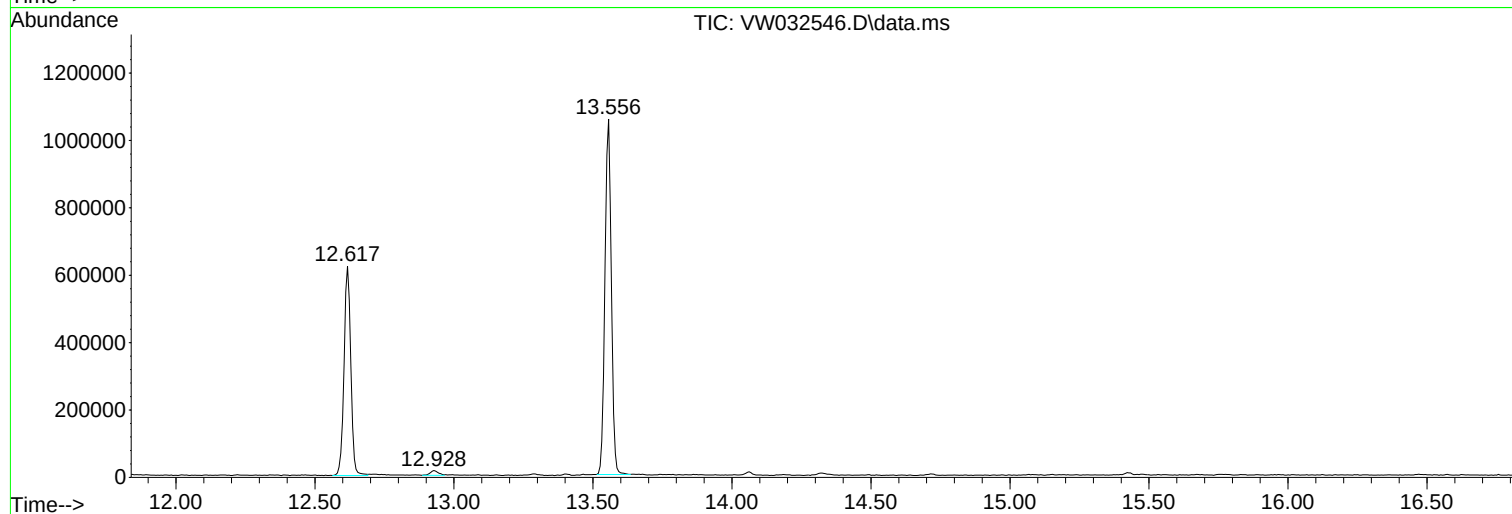
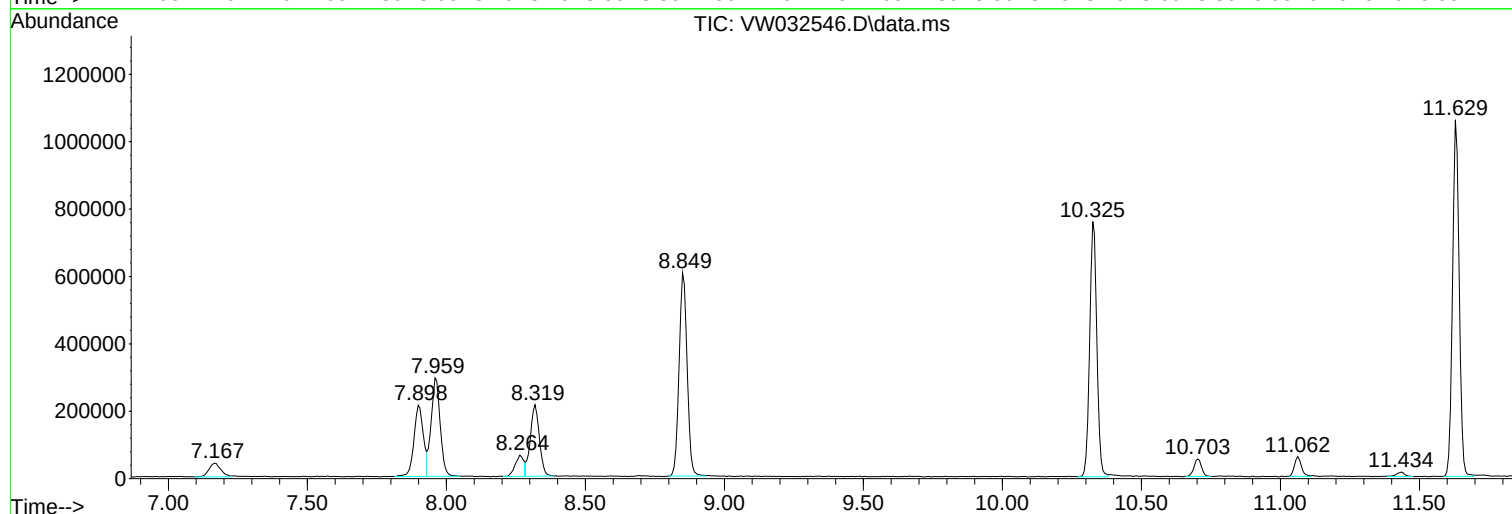
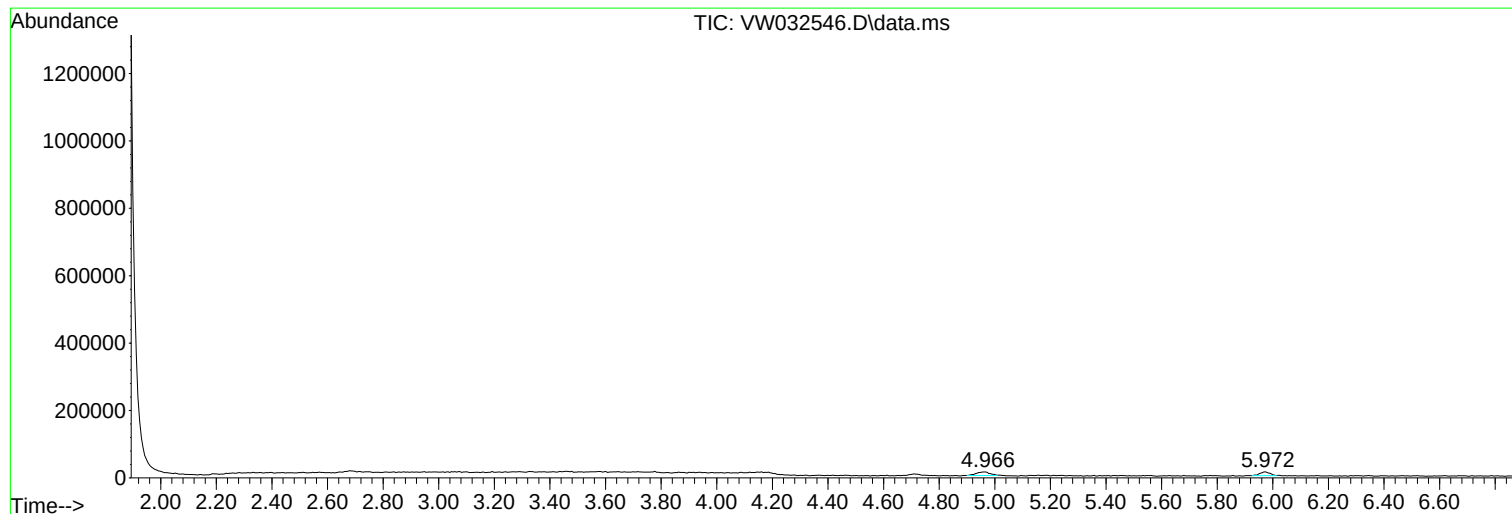
Sum of corrected areas: 9280962

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032546.D
Acq On : 26 Nov 2025 16:04
Operator : SY/MD
Sample : Q3719-07
Misc : 3.36g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032546.D
Acq On : 26 Nov 2025 16:04
Operator : SY/MD
Sample : Q3719-07
Misc : 3.36g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032546.D
Acq On : 26 Nov 2025 16:04
Operator : SY/MD
Sample : Q3719-07
Misc : 3.36g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-14B
 Lab Sample ID: Q3719-08
 Analytical Method: 8260D
 Sample Wt/Vol: 3.72 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 88.3
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.70	U	1	1.70	7.60	ug/Kg	11/26/25 16:27	VW112625
74-87-3	Chloromethane	1.70	U	1	1.70	7.60	ug/Kg	11/26/25 16:27	VW112625
75-01-4	Vinyl Chloride	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
74-83-9	Bromomethane	1.60	U	1	1.60	7.60	ug/Kg	11/26/25 16:27	VW112625
75-00-3	Chloroethane	1.90	U	1	1.90	7.60	ug/Kg	11/26/25 16:27	VW112625
75-69-4	Trichlorofluoromethane	1.80	U	1	1.80	7.60	ug/Kg	11/26/25 16:27	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	UQ	1	1.60	7.60	ug/Kg	11/26/25 16:27	VW112625
75-35-4	1,1-Dichloroethene	1.50	U	1	1.50	7.60	ug/Kg	11/26/25 16:27	VW112625
67-64-1	Acetone	7.20	U	1	7.20	38.1	ug/Kg	11/26/25 16:27	VW112625
75-15-0	Carbon Disulfide	1.60	U	1	1.60	7.60	ug/Kg	11/26/25 16:27	VW112625
1634-04-4	Methyl tert-butyl Ether	1.10	U	1	1.10	7.60	ug/Kg	11/26/25 16:27	VW112625
79-20-9	Methyl Acetate	2.30	U	1	2.30	7.60	ug/Kg	11/26/25 16:27	VW112625
75-09-2	Methylene Chloride	5.40	U	1	5.40	15.2	ug/Kg	11/26/25 16:27	VW112625
156-60-5	trans-1,2-Dichloroethene	1.30	U	1	1.30	7.60	ug/Kg	11/26/25 16:27	VW112625
75-34-3	1,1-Dichloroethane	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
110-82-7	Cyclohexane	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
78-93-3	2-Butanone	10.0	U	1	10.0	38.1	ug/Kg	11/26/25 16:27	VW112625
56-23-5	Carbon Tetrachloride	1.50	U	1	1.50	7.60	ug/Kg	11/26/25 16:27	VW112625
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.60	ug/Kg	11/26/25 16:27	VW112625
74-97-5	Bromochloromethane	1.80	U	1	1.80	7.60	ug/Kg	11/26/25 16:27	VW112625
67-66-3	Chloroform	1.30	U	1	1.30	7.60	ug/Kg	11/26/25 16:27	VW112625
71-55-6	1,1,1-Trichloroethane	1.40	U	1	1.40	7.60	ug/Kg	11/26/25 16:27	VW112625
108-87-2	Methylcyclohexane	1.40	U	1	1.40	7.60	ug/Kg	11/26/25 16:27	VW112625
71-43-2	Benzene	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
107-06-2	1,2-Dichloroethane	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
79-01-6	Trichloroethene	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
78-87-5	1,2-Dichloropropane	1.40	U	1	1.40	7.60	ug/Kg	11/26/25 16:27	VW112625
75-27-4	Bromodichloromethane	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
108-10-1	4-Methyl-2-Pentanone	5.40	U	1	5.40	38.1	ug/Kg	11/26/25 16:27	VW112625
108-88-3	Toluene	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
10061-02-6	t-1,3-Dichloropropene	0.99	U	1	0.99	7.60	ug/Kg	11/26/25 16:27	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.94	U	1	0.94	7.60	ug/Kg	11/26/25 16:27	VW112625
79-00-5	1,1,2-Trichloroethane	1.40	U	1	1.40	7.60	ug/Kg	11/26/25 16:27	VW112625
591-78-6	2-Hexanone	5.60	U	1	5.60	38.1	ug/Kg	11/26/25 16:27	VW112625
124-48-1	Dibromochloromethane	1.30	U	1	1.30	7.60	ug/Kg	11/26/25 16:27	VW112625
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.60	ug/Kg	11/26/25 16:27	VW112625
127-18-4	Tetrachloroethene	1.60	U	1	1.60	7.60	ug/Kg	11/26/25 16:27	VW112625
108-90-7	Chlorobenzene	1.40	U	1	1.40	7.60	ug/Kg	11/26/25 16:27	VW112625
100-41-4	Ethyl Benzene	1.00	U	1	1.00	7.60	ug/Kg	11/26/25 16:27	VW112625
179601-23-1	m/p-Xylenes	1.90	U	1	1.90	15.2	ug/Kg	11/26/25 16:27	VW112625
95-47-6	o-Xylene	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
100-42-5	Styrene	1.10	U	1	1.10	7.60	ug/Kg	11/26/25 16:27	VW112625
75-25-2	Bromoform	1.30	U	1	1.30	7.60	ug/Kg	11/26/25 16:27	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-14B	SDG No.:	Q3719
Lab Sample ID:	Q3719-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.3
Sample Wt/Vol:	3.72 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.20	U	1	1.20	7.60	ug/Kg	11/26/25 16:27	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1	1.80	7.60	ug/Kg	11/26/25 16:27	VW112625
541-73-1	1,3-Dichlorobenzene	2.60	U	1	2.60	7.60	ug/Kg	11/26/25 16:27	VW112625
106-46-7	1,4-Dichlorobenzene	2.40	U	1	2.40	7.60	ug/Kg	11/26/25 16:27	VW112625
95-50-1	1,2-Dichlorobenzene	2.20	U	1	2.20	7.60	ug/Kg	11/26/25 16:27	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.80	U	1	2.80	7.60	ug/Kg	11/26/25 16:27	VW112625
120-82-1	1,2,4-Trichlorobenzene	4.50	U	1	4.50	7.60	ug/Kg	11/26/25 16:27	VW112625
87-61-6	1,2,3-Trichlorobenzene	4.80	U	1	4.80	7.60	ug/Kg	11/26/25 16:27	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	69.7			63 - 155	139%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.2			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	47.1			74 - 123	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.4			52 - 138	111%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	191000							
540-36-3	1,4-Difluorobenzene	462000							
3114-55-4	Chlorobenzene-d5	513000							
3855-82-1	1,4-Dichlorobenzene-d4	246000							

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_W\Data\VW112625\
 Data File : VW032547.D
 Acq On : 26 Nov 2025 16:27
 Operator : SY/MD
 Sample : Q3719-08
 Misc : 3.72g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-14B

Quant Time: Nov 27 00:29:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	191327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	462395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	513156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246111	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171946	69.708	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	139.420%
35) Dibromofluoromethane	7.904	113	152930	55.240	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.480%
50) Toluene-d8	10.325	98	500524	47.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.260%
62) 4-Bromofluorobenzene	12.617	95	222080	55.352	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.700%

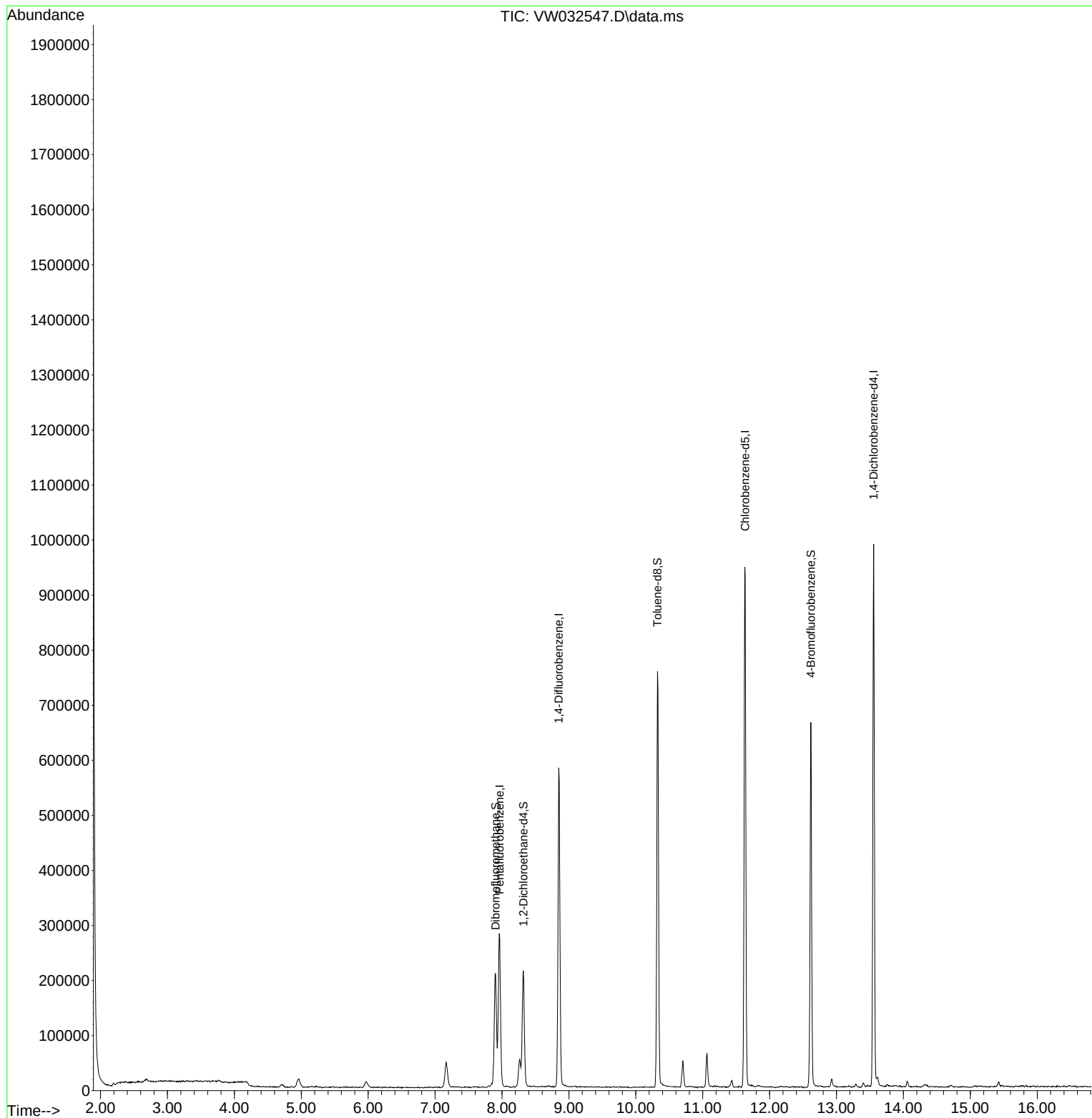
Target Compounds	Qvalue

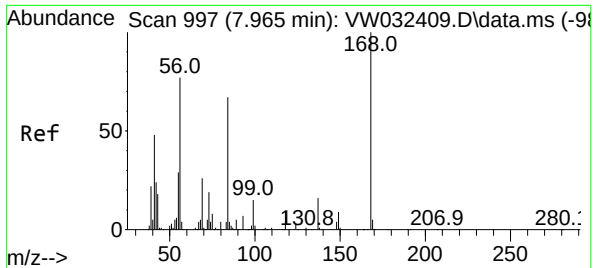
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032547.D
Acq On : 26 Nov 2025 16:27
Operator : SY/MD
Sample : Q3719-08
Misc : 3.72g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

Quant Time: Nov 27 00:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

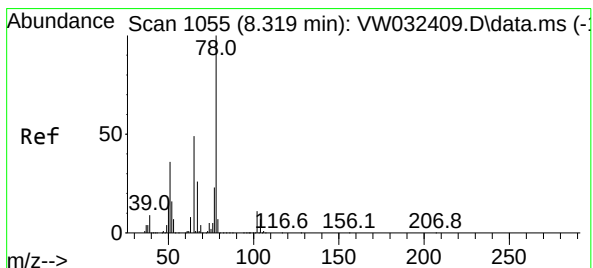
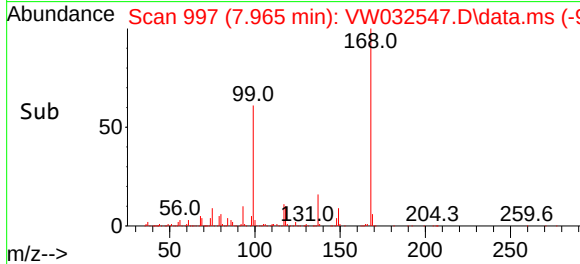
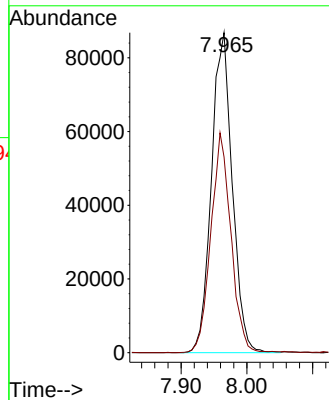
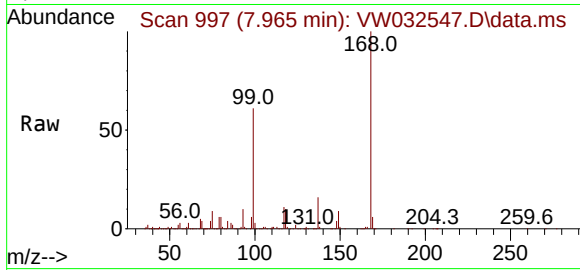




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

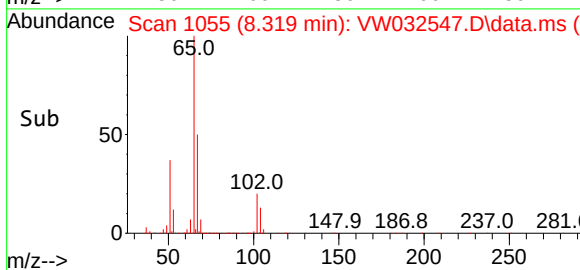
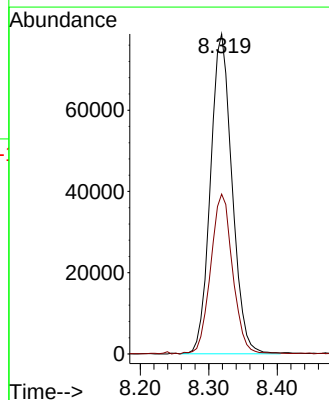
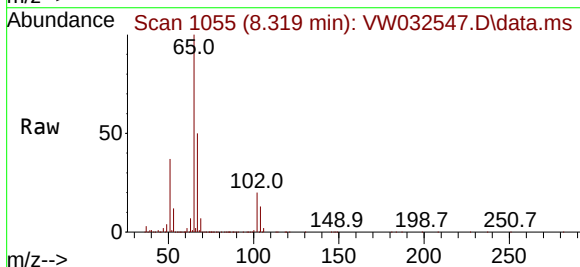
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

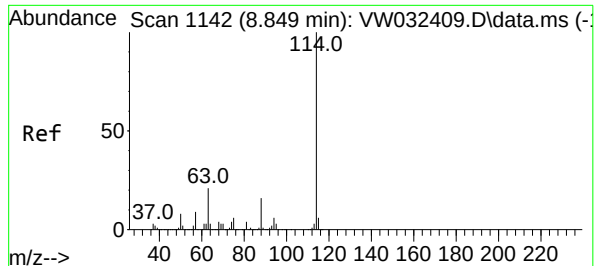
Tgt Ion:168 Resp: 191327
Ion Ratio Lower Upper
168 100
99 61.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.708 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 65 Resp: 171946
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032547.D

Acq: 26 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-14B

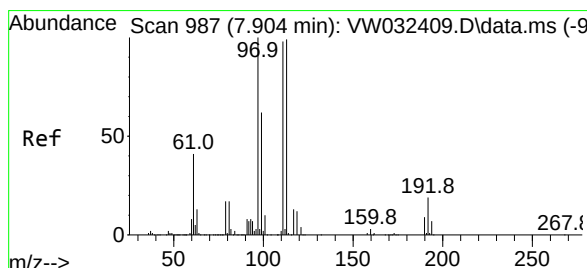
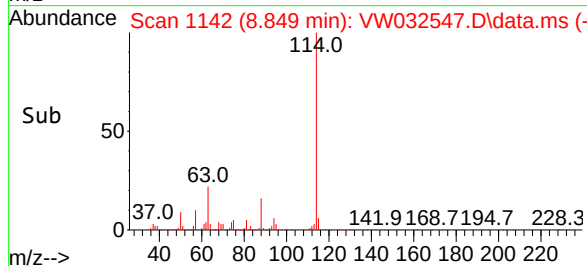
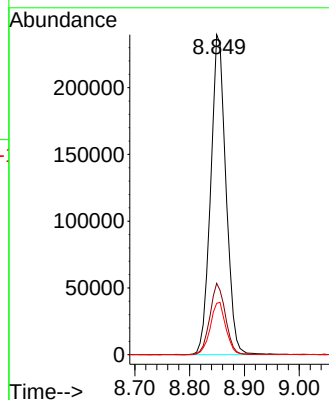
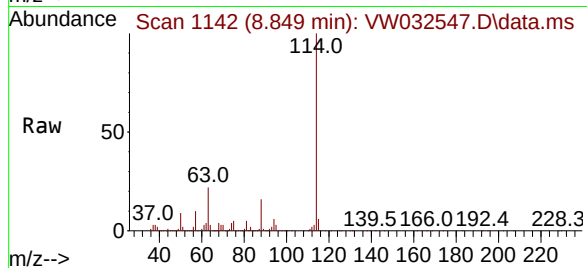
Tgt Ion:114 Resp: 462395

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.240 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032547.D

Acq: 26 Nov 2025 16:27

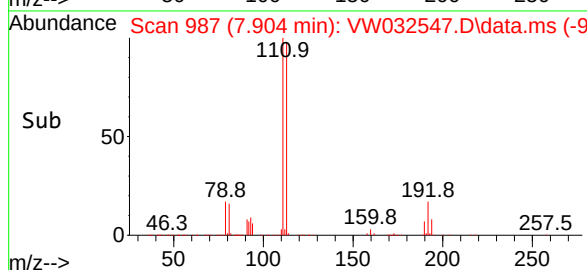
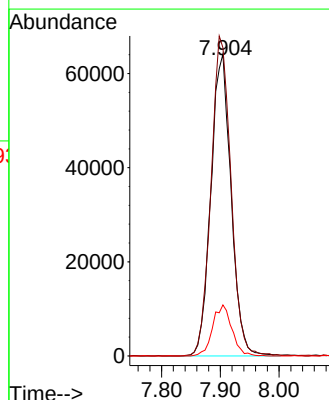
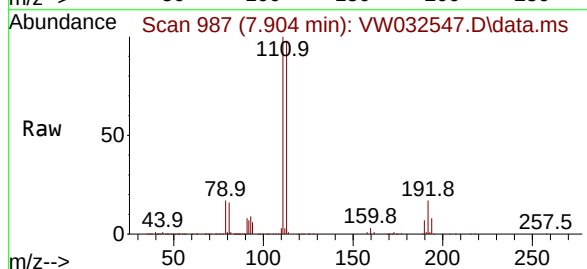
Tgt Ion:113 Resp: 152930

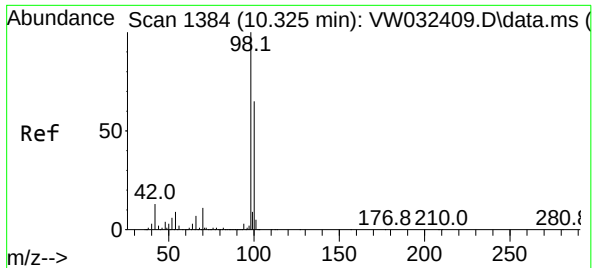
Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

192 16.1 13.4 20.2

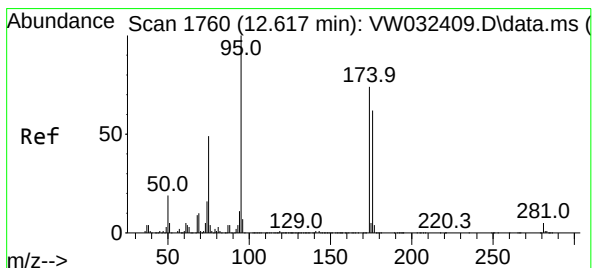
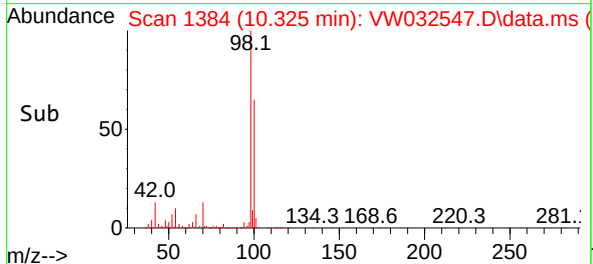
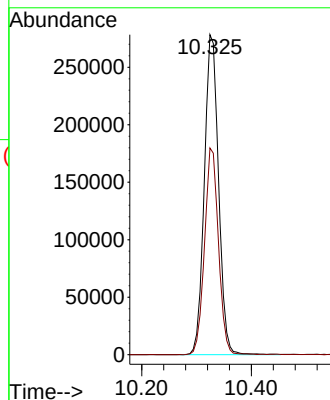
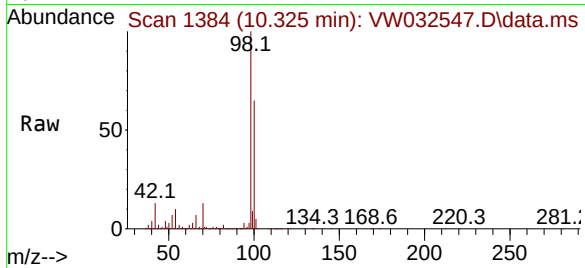




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

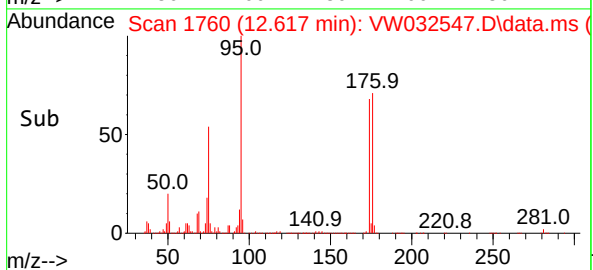
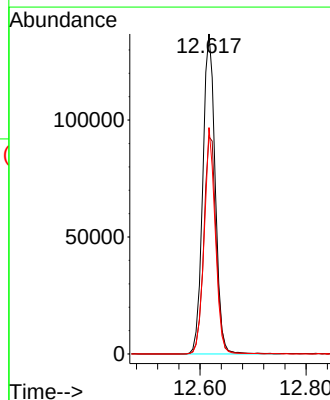
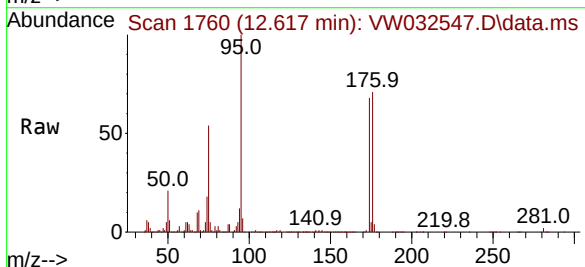
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

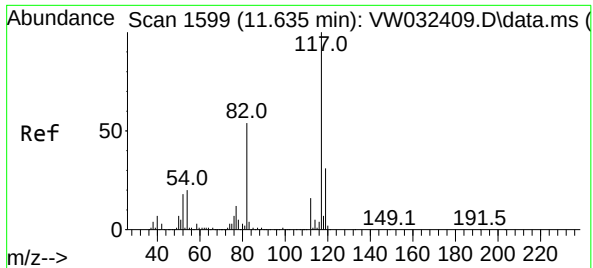
Tgt Ion: 98 Resp: 500524
Ion Ratio Lower Upper
98 100
100 63.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.352 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 95 Resp: 222080
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.4
176 63.4 0.0 131.8

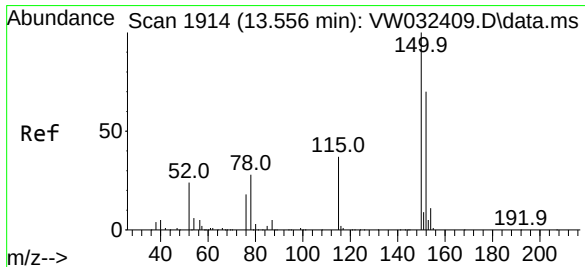
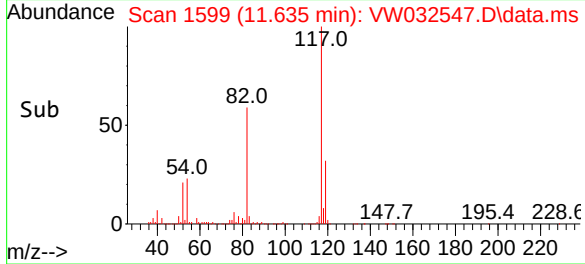
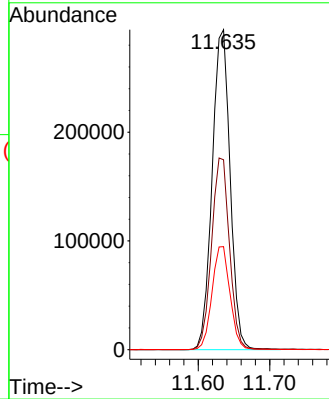
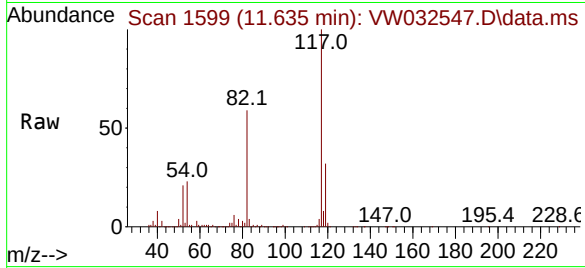




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

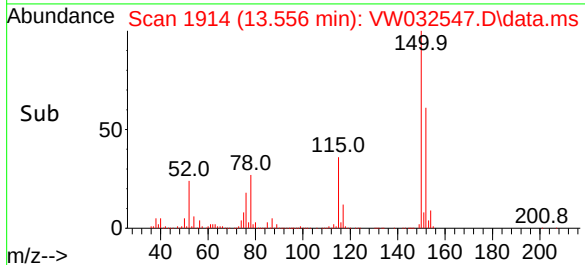
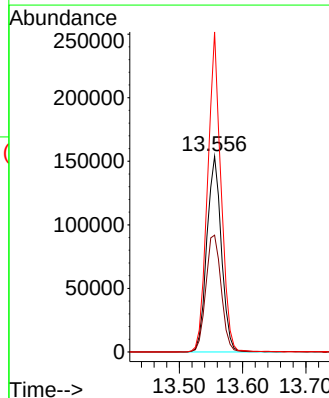
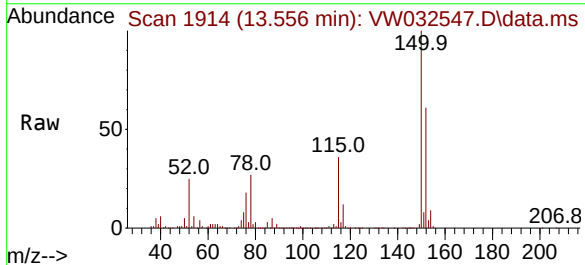
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	43.0	64.4
119	32.2	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	32.8	98.3
150	150.8	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032547.D
 Acq On : 26 Nov 2025 16:27
 Operator : SY/MD
 Sample : Q3719-08
 Misc : 3.72g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-14B

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032547.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	493	504	518	rVB3	15652	56081	3.38%	0.623%
2	5.972	660	670	681	rBV4	10766	34111	2.06%	0.379%
3	7.167	851	866	879	rBV2	46053	139409	8.41%	1.548%
4	7.898	979	986	991	rBV2	200168	471688	28.46%	5.238%
5	7.959	991	996	1009	rVB2	278147	631769	38.12%	7.016%
6	8.264	1034	1046	1049	rBV	50697	119714	7.22%	1.330%
7	8.319	1049	1055	1066	rVB	210013	472725	28.53%	5.250%
8	8.849	1131	1142	1155	rBV	579822	1151263	69.47%	12.786%
9	10.325	1376	1384	1392	rBV	755711	1345709	81.20%	14.945%
10	10.703	1440	1446	1452	rBV2	47961	87697	5.29%	0.974%
11	11.062	1494	1505	1514	rBV2	62392	115205	6.95%	1.279%
12	11.434	1557	1566	1572	rVB4	12838	26919	1.62%	0.299%
13	11.629	1589	1598	1608	rBV	945481	1657222	100.00%	18.405%
14	12.617	1749	1760	1772	rBV	663326	1084300	65.43%	12.042%
15	12.928	1805	1811	1820	rBV4	13930	27063	1.63%	0.301%
16	13.556	1907	1914	1921	rBV	984765	1565203	94.45%	17.383%
17	14.056	1991	1996	2003	rBV	10425	18219	1.10%	0.202%

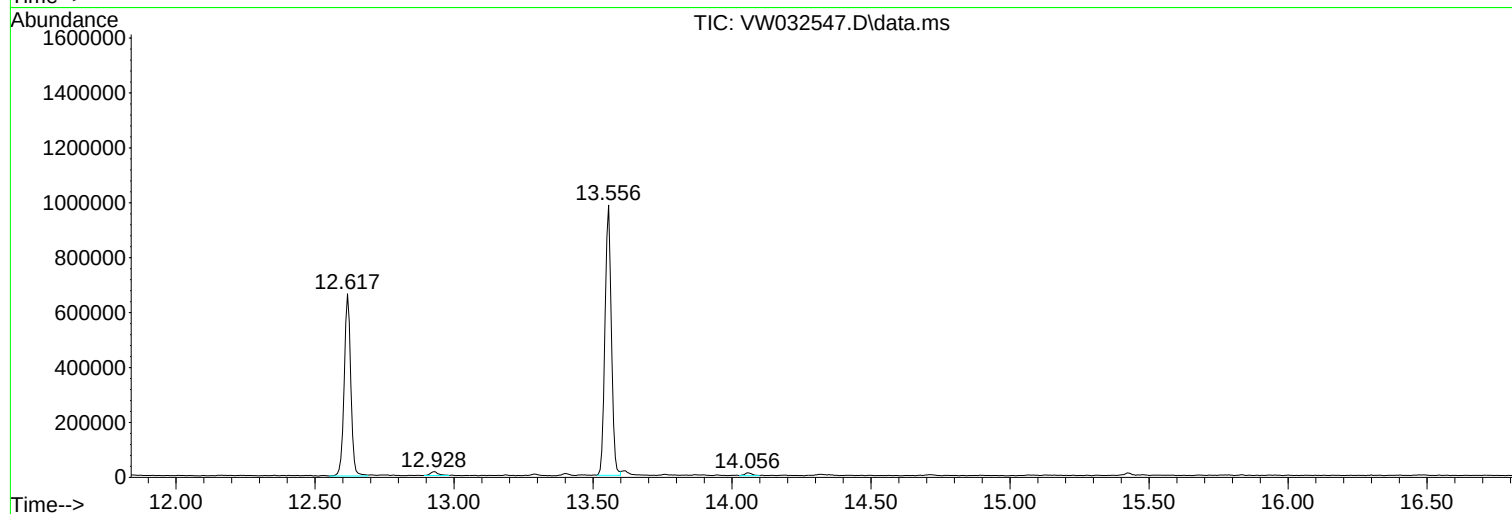
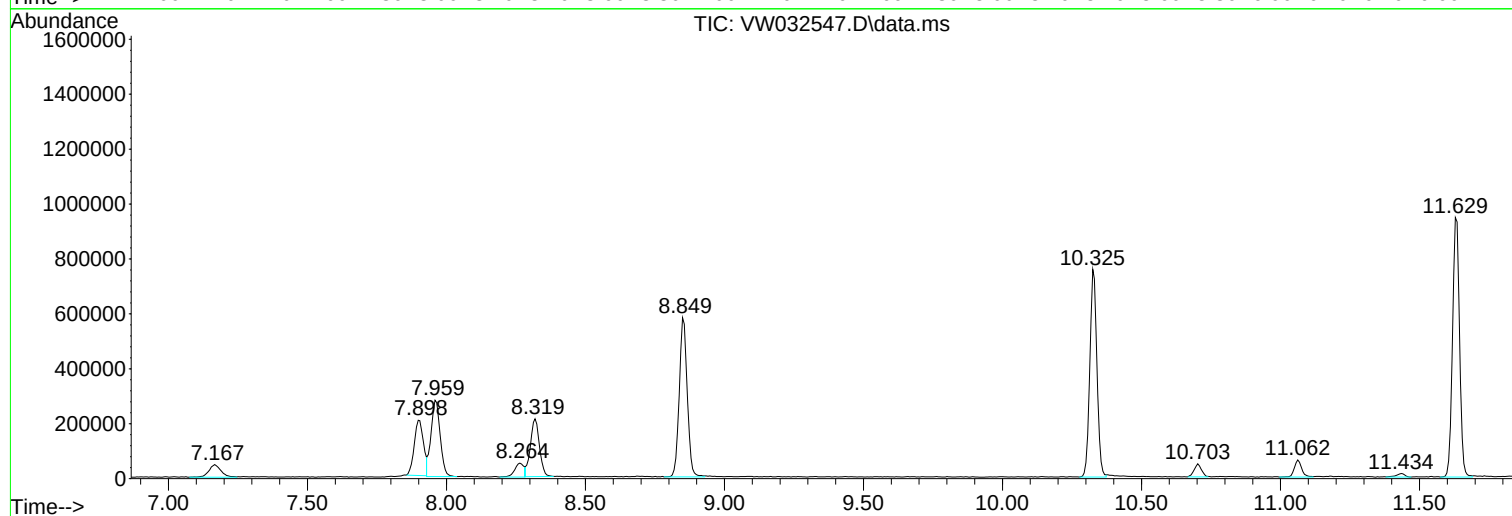
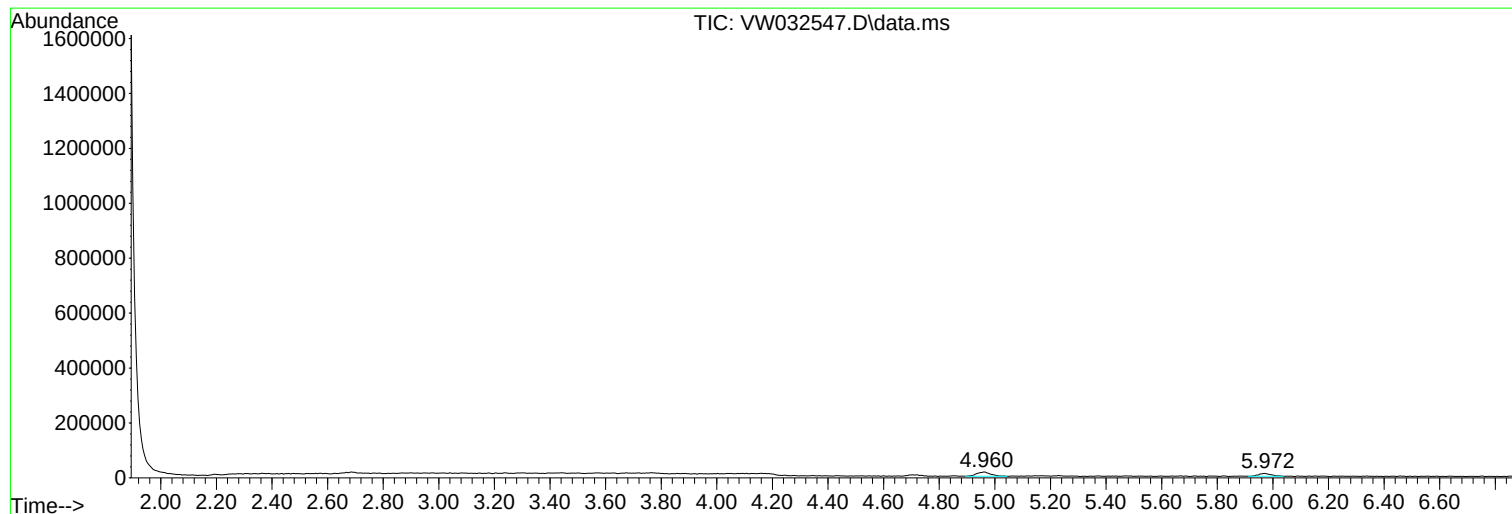
Sum of corrected areas: 9004297

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032547.D
Acq On : 26 Nov 2025 16:27
Operator : SY/MD
Sample : Q3719-08
Misc : 3.72g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032547.D
Acq On : 26 Nov 2025 16:27
Operator : SY/MD
Sample : Q3719-08
Misc : 3.72g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032547.D
Acq On : 26 Nov 2025 16:27
Operator : SY/MD
Sample : Q3719-08
Misc : 3.72g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-15A
 Lab Sample ID: Q3719-09
 Analytical Method: 8260D
 Sample Wt/Vol: 5.15 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 87.3
 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	11/26/25 16:49	VW112625
74-87-3	Chloromethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 16:49	VW112625
75-01-4	Vinyl Chloride	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 16:49	VW112625
74-83-9	Bromomethane	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 16:49	VW112625
75-00-3	Chloroethane	1.40	U	1	1.40	5.60	ug/Kg	11/26/25 16:49	VW112625
75-69-4	Trichlorofluoromethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 16:49	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	UQ	1	1.20	5.60	ug/Kg	11/26/25 16:49	VW112625
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.60	ug/Kg	11/26/25 16:49	VW112625
67-64-1	Acetone	5.30	U	1	5.30	27.8	ug/Kg	11/26/25 16:49	VW112625
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 16:49	VW112625
1634-04-4	Methyl tert-butyl Ether	0.81	U	1	0.81	5.60	ug/Kg	11/26/25 16:49	VW112625
79-20-9	Methyl Acetate	1.70	U	1	1.70	5.60	ug/Kg	11/26/25 16:49	VW112625
75-09-2	Methylene Chloride	3.90	U	1	3.90	11.1	ug/Kg	11/26/25 16:49	VW112625
156-60-5	trans-1,2-Dichloroethene	0.96	U	1	0.96	5.60	ug/Kg	11/26/25 16:49	VW112625
75-34-3	1,1-Dichloroethane	0.89	U	1	0.89	5.60	ug/Kg	11/26/25 16:49	VW112625
110-82-7	Cyclohexane	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 16:49	VW112625
78-93-3	2-Butanone	7.30	U	1	7.30	27.8	ug/Kg	11/26/25 16:49	VW112625
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.60	ug/Kg	11/26/25 16:49	VW112625
156-59-2	cis-1,2-Dichloroethene	0.83	U	1	0.83	5.60	ug/Kg	11/26/25 16:49	VW112625
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 16:49	VW112625
67-66-3	Chloroform	0.93	U	1	0.93	5.60	ug/Kg	11/26/25 16:49	VW112625
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 16:49	VW112625
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 16:49	VW112625
71-43-2	Benzene	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 16:49	VW112625
107-06-2	1,2-Dichloroethane	0.88	U	1	0.88	5.60	ug/Kg	11/26/25 16:49	VW112625
79-01-6	Trichloroethene	0.90	U	1	0.90	5.60	ug/Kg	11/26/25 16:49	VW112625
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 16:49	VW112625
75-27-4	Bromodichloromethane	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 16:49	VW112625
108-10-1	4-Methyl-2-Pentanone	4.00	U	1	4.00	27.8	ug/Kg	11/26/25 16:49	VW112625
108-88-3	Toluene	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 16:49	VW112625
10061-02-6	t-1,3-Dichloropropene	0.72	U	1	0.72	5.60	ug/Kg	11/26/25 16:49	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.69	U	1	0.69	5.60	ug/Kg	11/26/25 16:49	VW112625
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 16:49	VW112625
591-78-6	2-Hexanone	4.10	U	1	4.10	27.8	ug/Kg	11/26/25 16:49	VW112625
124-48-1	Dibromochloromethane	0.97	U	1	0.97	5.60	ug/Kg	11/26/25 16:49	VW112625
106-93-4	1,2-Dibromoethane	0.98	U	1	0.98	5.60	ug/Kg	11/26/25 16:49	VW112625
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.60	ug/Kg	11/26/25 16:49	VW112625
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.60	ug/Kg	11/26/25 16:49	VW112625
100-41-4	Ethyl Benzene	0.75	U	1	0.75	5.60	ug/Kg	11/26/25 16:49	VW112625
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.1	ug/Kg	11/26/25 16:49	VW112625
95-47-6	o-Xylene	0.91	U	1	0.91	5.60	ug/Kg	11/26/25 16:49	VW112625
100-42-5	Styrene	0.79	U	1	0.79	5.60	ug/Kg	11/26/25 16:49	VW112625
75-25-2	Bromoform	0.96	U	1	0.96	5.60	ug/Kg	11/26/25 16:49	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-15A	SDG No.:	Q3719
Lab Sample ID:	Q3719-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.3
Sample Wt/Vol:	5.15 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.87	U	1	0.87	5.60	ug/Kg	11/26/25 16:49	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1	1.30	5.60	ug/Kg	11/26/25 16:49	VW112625
541-73-1	1,3-Dichlorobenzene	1.90	U	1	1.90	5.60	ug/Kg	11/26/25 16:49	VW112625
106-46-7	1,4-Dichlorobenzene	1.70	U	1	1.70	5.60	ug/Kg	11/26/25 16:49	VW112625
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.60	ug/Kg	11/26/25 16:49	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	1	2.00	5.60	ug/Kg	11/26/25 16:49	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.30	U	1	3.30	5.60	ug/Kg	11/26/25 16:49	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.50	U	1	3.50	5.60	ug/Kg	11/26/25 16:49	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	74.4			63 - 155	149%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.6			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	46.7			74 - 123	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.2			52 - 138	112%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	176000							
540-36-3	1,4-Difluorobenzene	446000							
3114-55-4	Chlorobenzene-d5	510000							
3855-82-1	1,4-Dichlorobenzene-d4	256000							

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_W\Data\VW112625\
 Data File : VW032548.D
 Acq On : 26 Nov 2025 16:49
 Operator : SY/MD
 Sample : Q3719-09
 Misc : 5.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-15A

Quant Time: Nov 27 00:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	176099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	446493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	510140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256049	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168859	74.376	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	148.760%
35) Dibromofluoromethane	7.904	113	145972	54.604	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.200%
50) Toluene-d8	10.331	98	479275	46.733	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.617	95	217802	56.220	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.440%

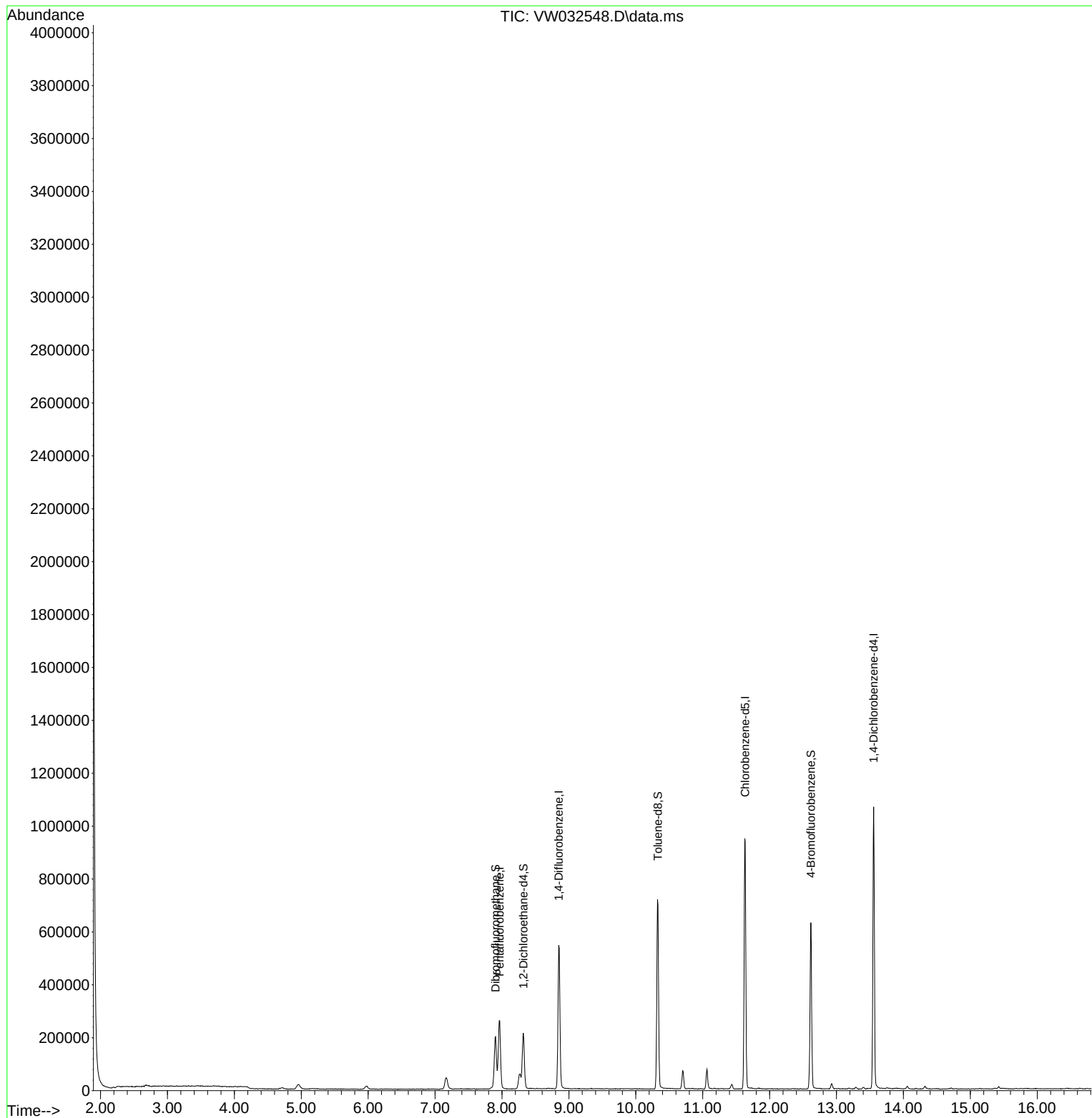
Target Compounds	Qvalue

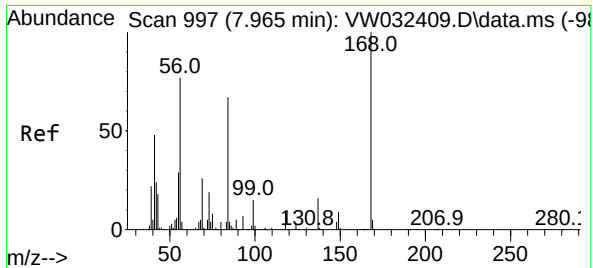
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032548.D
Acq On : 26 Nov 2025 16:49
Operator : SY/MD
Sample : Q3719-09
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

Quant Time: Nov 27 00:30:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

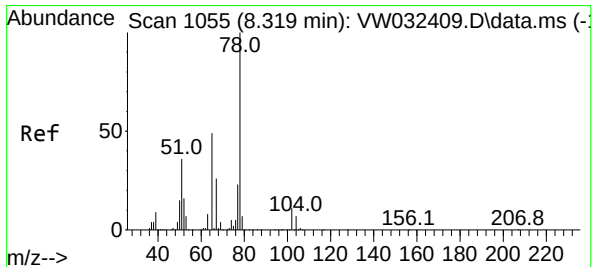
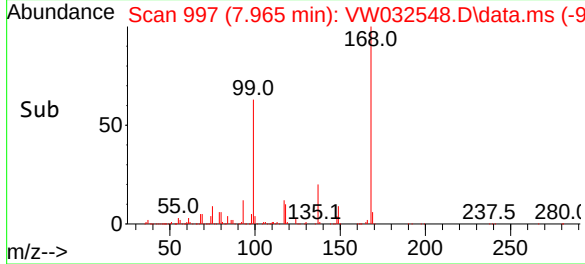
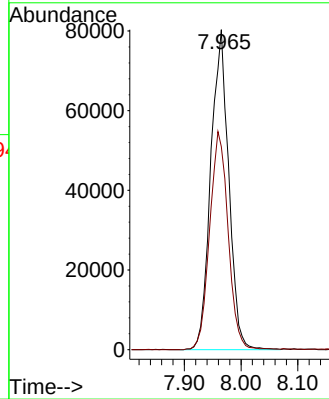
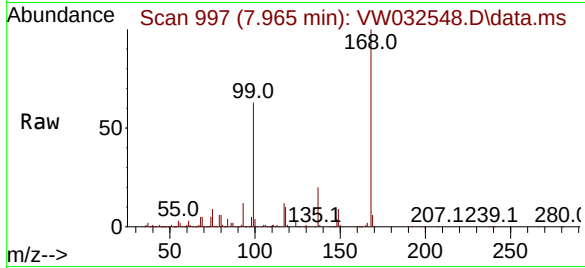




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

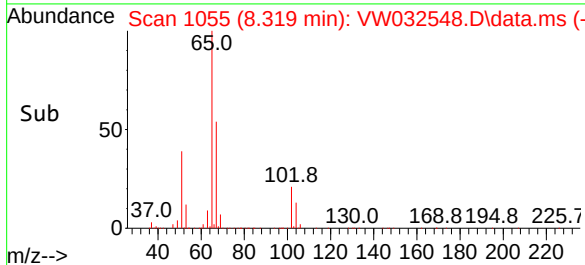
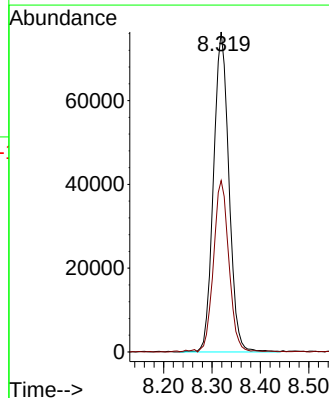
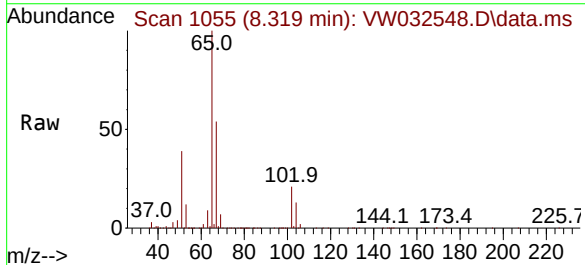
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

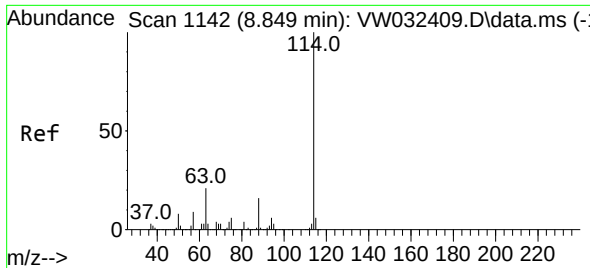
Tgt Ion:168 Resp: 176099
Ion Ratio Lower Upper
168 100
99 63.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 74.376 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 65 Resp: 168859
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032548.D

Acq: 26 Nov 2025 16:49

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-15A

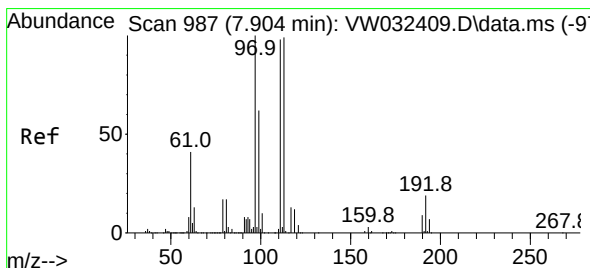
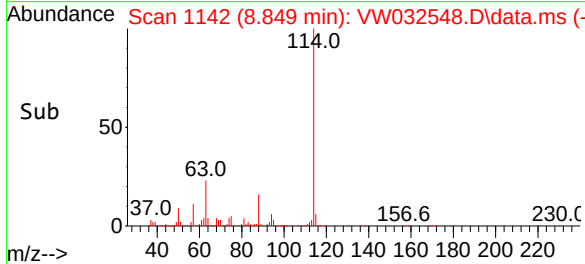
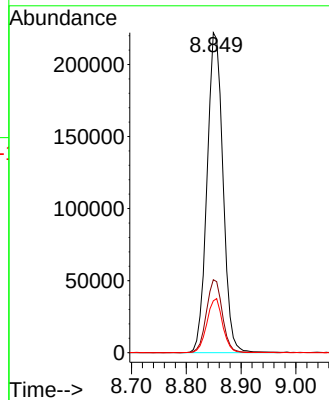
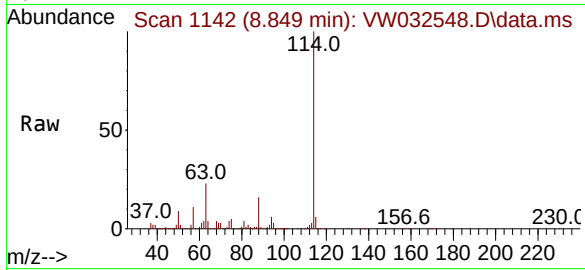
Tgt Ion:114 Resp: 446493

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.604 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032548.D

Acq: 26 Nov 2025 16:49

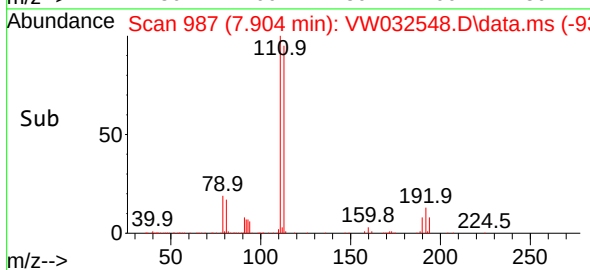
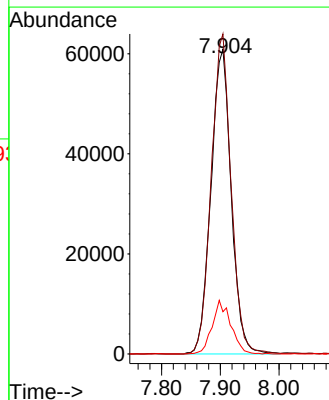
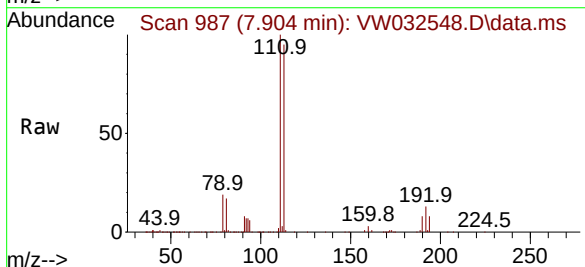
Tgt Ion:113 Resp: 145972

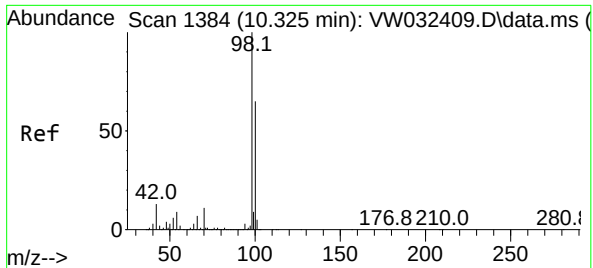
Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 16.2 13.4 20.2

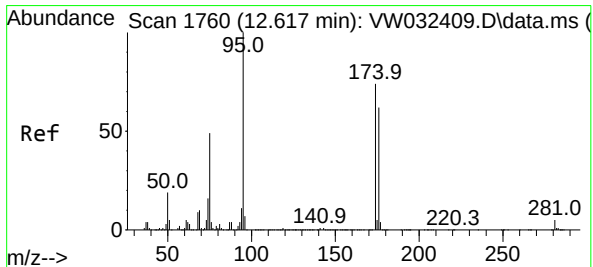
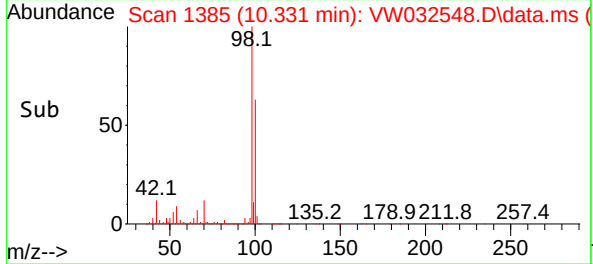
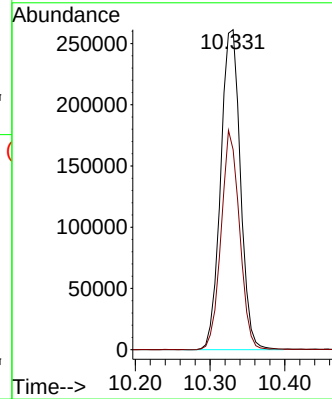
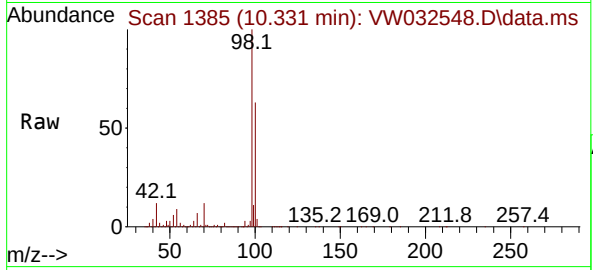




#50
Toluene-d8
Concen: 46.733 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

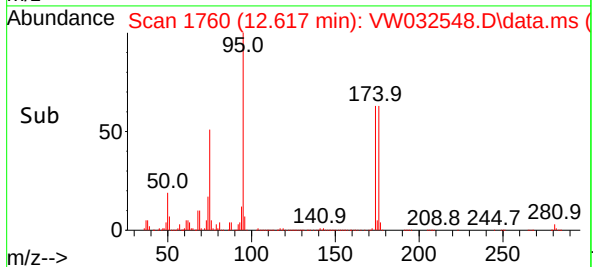
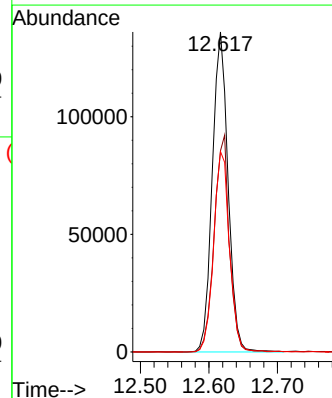
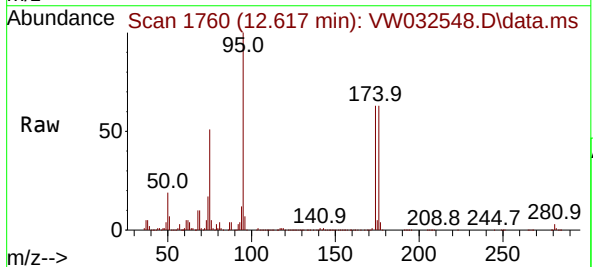
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

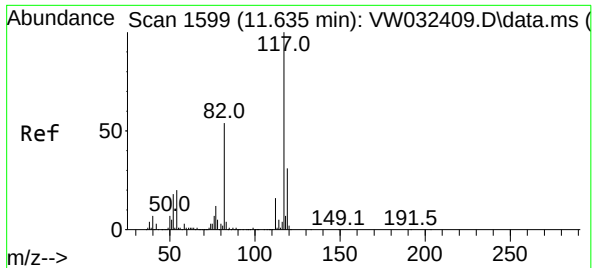
Tgt Ion: 98 Resp: 479275
Ion Ratio Lower Upper
98 100
100 64.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.220 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 95 Resp: 217802
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.4
176 62.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VW032548.D

Acq: 26 Nov 2025 16:49

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-15A

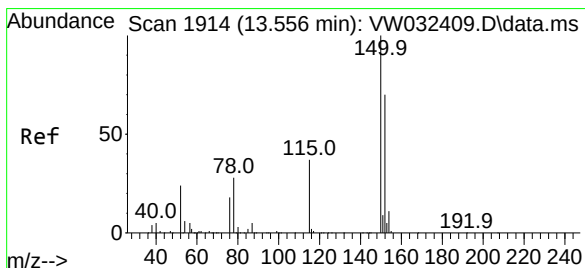
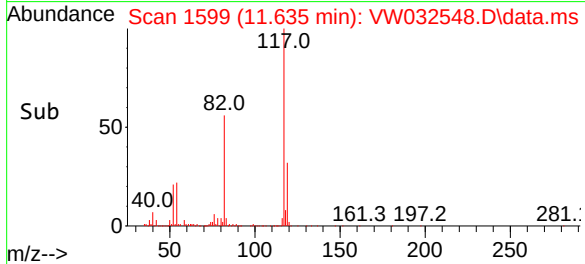
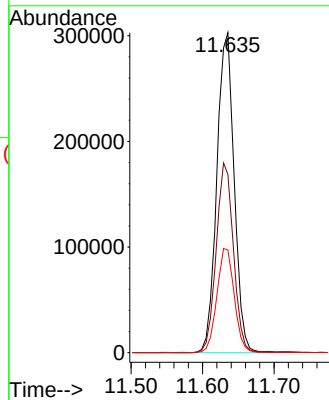
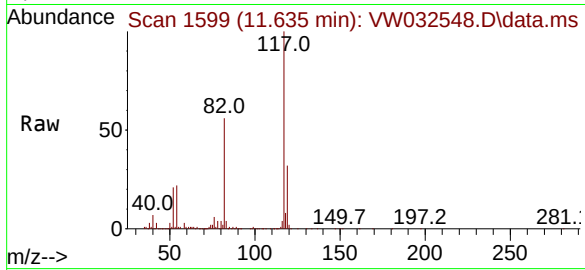
Tgt Ion:117 Resp: 510140

Ion Ratio Lower Upper

117 100

82 55.7 43.0 64.4

119 32.0 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032548.D

Acq: 26 Nov 2025 16:49

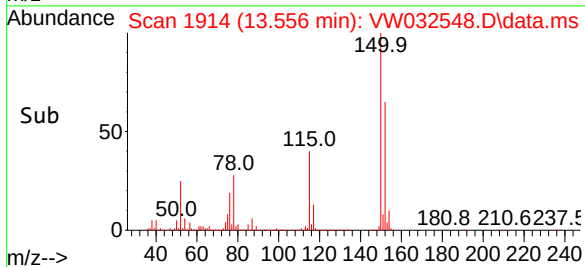
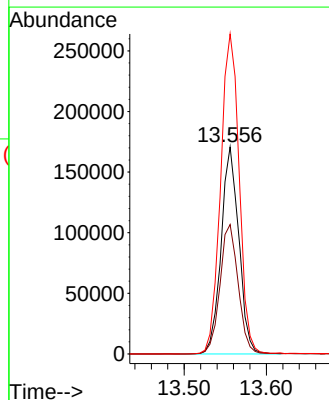
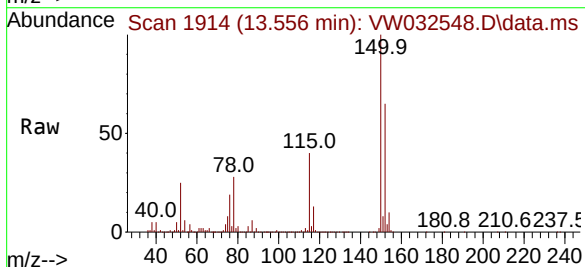
Tgt Ion:152 Resp: 256049

Ion Ratio Lower Upper

152 100

115 64.4 32.8 98.3

150 162.1 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032548.D
Acq On : 26 Nov 2025 16:49
Operator : SY/MD
Sample : Q3719-09
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032548.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	493	504	515	rBV2	17629	65012	3.87%	0.720%
2	7.167	856	866	881	rVB2	43182	132520	7.89%	1.467%
3	7.904	969	987	991	rBV	198210	489568	29.16%	5.419%
4	7.959	991	996	1010	rVB	257294	603704	35.96%	6.682%
5	8.270	1036	1047	1049	rBV2	55755	137503	8.19%	1.522%
6	8.319	1049	1055	1068	rVB	210134	479115	28.54%	5.303%
7	8.849	1133	1142	1157	rBV	543393	1110808	66.16%	12.295%
8	10.325	1376	1384	1399	rBV	717647	1311455	78.11%	14.515%
9	10.703	1439	1446	1453	rVB2	68358	128121	7.63%	1.418%
10	11.062	1498	1505	1512	rBV2	74821	131748	7.85%	1.458%
11	11.434	1561	1566	1572	rVB3	17416	33656	2.00%	0.373%
12	11.629	1591	1598	1607	rBV	947071	1633171	97.27%	18.076%
13	12.617	1752	1760	1769	rBV2	629209	1059993	63.13%	11.732%
14	12.928	1805	1811	1817	rBV2	20601	39558	2.36%	0.438%
15	13.556	1906	1914	1929	rBV	1064873	1679022	100.00%	18.584%

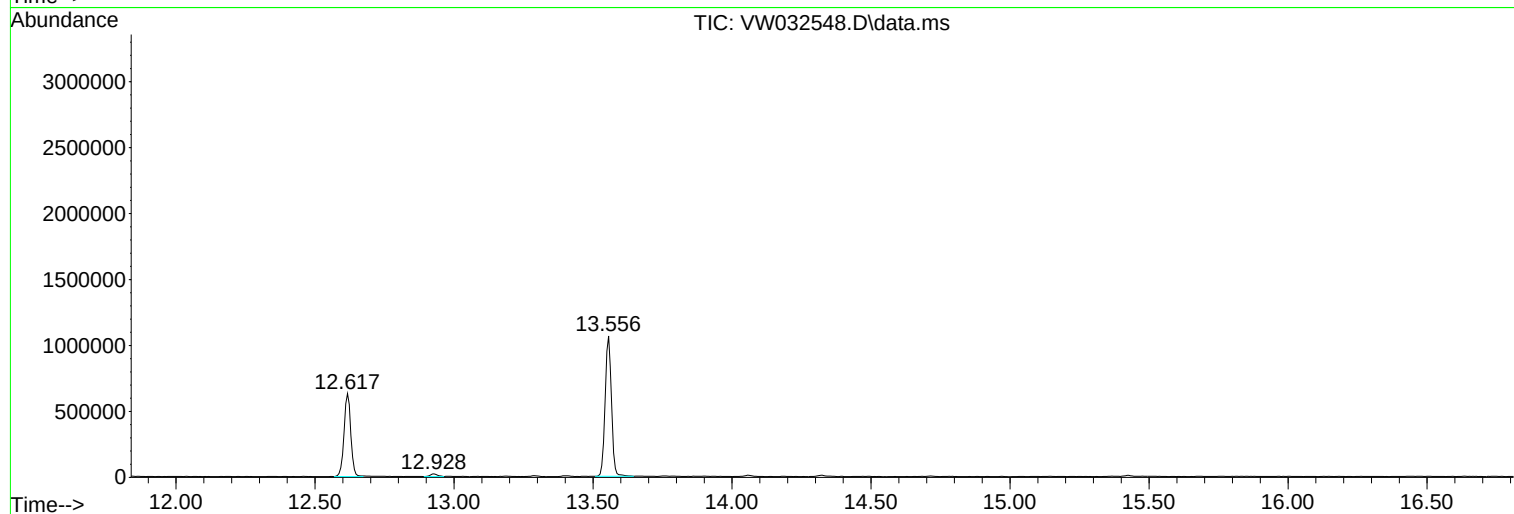
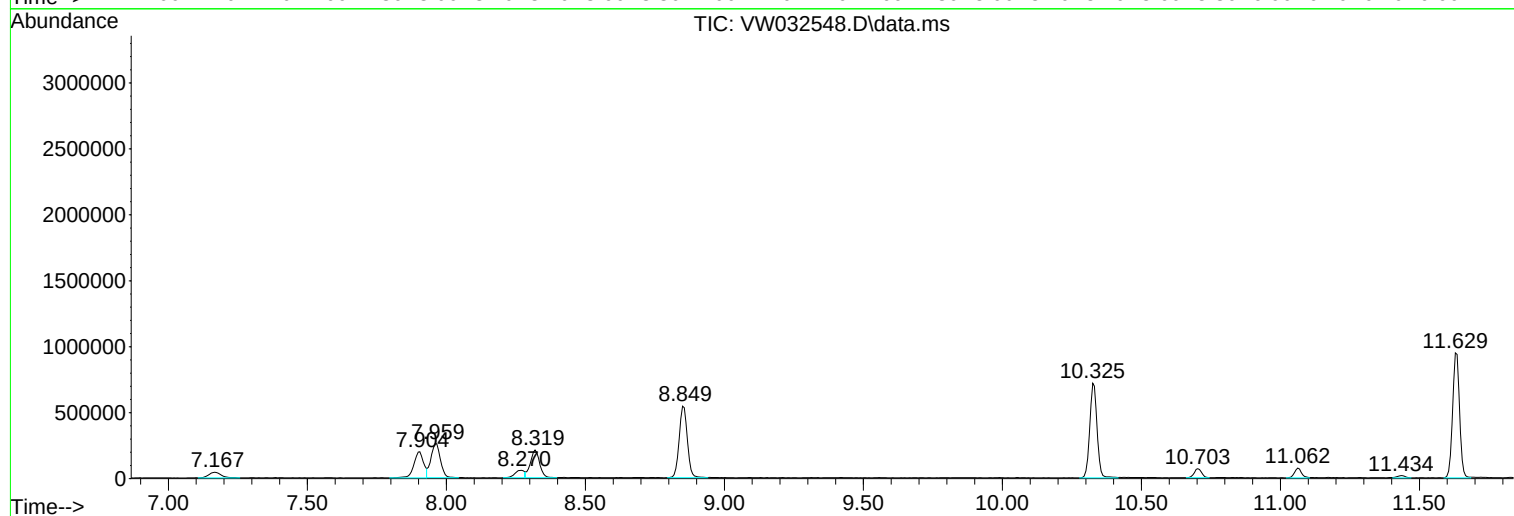
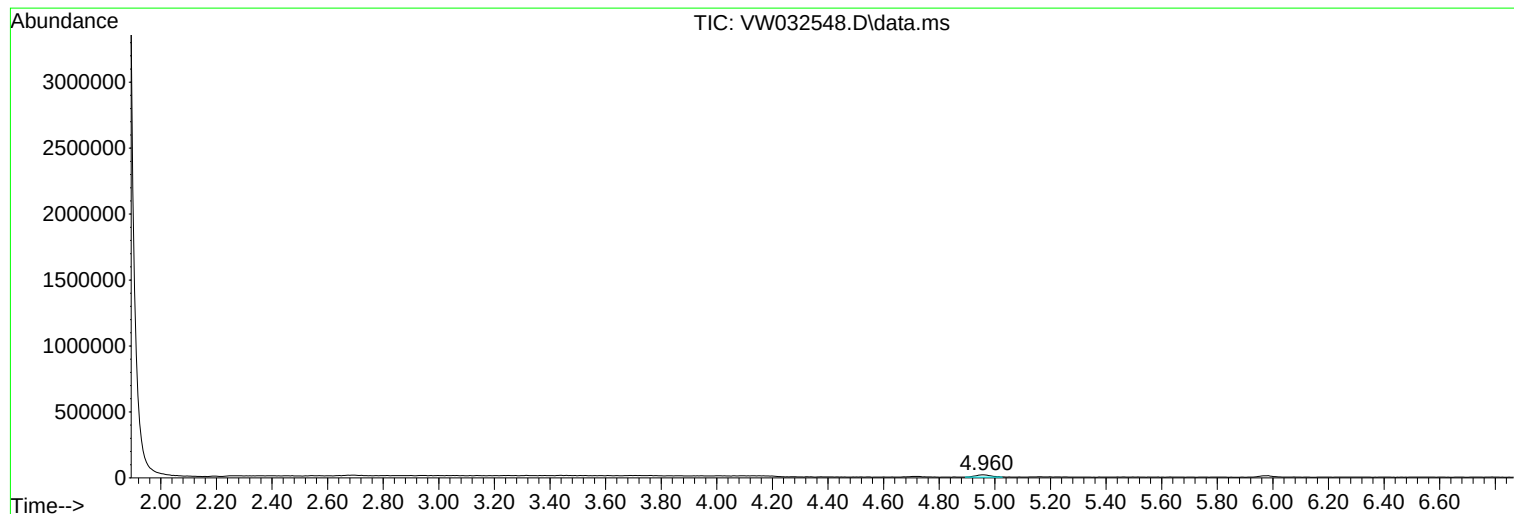
Sum of corrected areas: 9034954

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032548.D
Acq On : 26 Nov 2025 16:49
Operator : SY/MD
Sample : Q3719-09
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032548.D
Acq On : 26 Nov 2025 16:49
Operator : SY/MD
Sample : Q3719-09
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032548.D
Acq On : 26 Nov 2025 16:49
Operator : SY/MD
Sample : Q3719-09
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-15ARE
 Lab Sample ID: Q3719-09RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 87.3
 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	5.70	ug/Kg	12/01/25 10:38	VY120125
74-87-3	Chloromethane	1.30	U	1	1.30	5.70	ug/Kg	12/01/25 10:38	VY120125
75-01-4	Vinyl Chloride	0.90	U	1	0.90	5.70	ug/Kg	12/01/25 10:38	VY120125
74-83-9	Bromomethane	1.20	U	1	1.20	5.70	ug/Kg	12/01/25 10:38	VY120125
75-00-3	Chloroethane	1.40	U	1	1.40	5.70	ug/Kg	12/01/25 10:38	VY120125
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.70	ug/Kg	12/01/25 10:38	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1	1.20	5.70	ug/Kg	12/01/25 10:38	VY120125
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.70	ug/Kg	12/01/25 10:38	VY120125
67-64-1	Acetone	5.40	U	1	5.40	28.6	ug/Kg	12/01/25 10:38	VY120125
75-15-0	Carbon Disulfide	1.20	U	1	1.20	5.70	ug/Kg	12/01/25 10:38	VY120125
1634-04-4	Methyl tert-butyl Ether	0.84	U	1	0.84	5.70	ug/Kg	12/01/25 10:38	VY120125
79-20-9	Methyl Acetate	1.80	U	1	1.80	5.70	ug/Kg	12/01/25 10:38	VY120125
75-09-2	Methylene Chloride	4.00	U	1	4.00	11.5	ug/Kg	12/01/25 10:38	VY120125
156-60-5	trans-1,2-Dichloroethene	0.99	U	1	0.99	5.70	ug/Kg	12/01/25 10:38	VY120125
75-34-3	1,1-Dichloroethane	0.92	U	1	0.92	5.70	ug/Kg	12/01/25 10:38	VY120125
110-82-7	Cyclohexane	0.90	U	1	0.90	5.70	ug/Kg	12/01/25 10:38	VY120125
78-93-3	2-Butanone	7.50	U	1	7.50	28.6	ug/Kg	12/01/25 10:38	VY120125
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.70	ug/Kg	12/01/25 10:38	VY120125
156-59-2	cis-1,2-Dichloroethene	0.86	U	1	0.86	5.70	ug/Kg	12/01/25 10:38	VY120125
74-97-5	Bromochloromethane	1.30	U	1	1.30	5.70	ug/Kg	12/01/25 10:38	VY120125
67-66-3	Chloroform	0.96	U	1	0.96	5.70	ug/Kg	12/01/25 10:38	VY120125
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	5.70	ug/Kg	12/01/25 10:38	VY120125
108-87-2	Methylcyclohexane	1.00	U	1	1.00	5.70	ug/Kg	12/01/25 10:38	VY120125
71-43-2	Benzene	0.90	U	1	0.90	5.70	ug/Kg	12/01/25 10:38	VY120125
107-06-2	1,2-Dichloroethane	0.90	U	1	0.90	5.70	ug/Kg	12/01/25 10:38	VY120125
79-01-6	Trichloroethene	0.93	U	1	0.93	5.70	ug/Kg	12/01/25 10:38	VY120125
78-87-5	1,2-Dichloropropane	1.00	U	1	1.00	5.70	ug/Kg	12/01/25 10:38	VY120125
75-27-4	Bromodichloromethane	0.89	U	1	0.89	5.70	ug/Kg	12/01/25 10:38	VY120125
108-10-1	4-Methyl-2-Pentanone	4.10	U	1	4.10	28.6	ug/Kg	12/01/25 10:38	VY120125
108-88-3	Toluene	0.89	U	1	0.89	5.70	ug/Kg	12/01/25 10:38	VY120125
10061-02-6	t-1,3-Dichloropropene	0.74	U	1	0.74	5.70	ug/Kg	12/01/25 10:38	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.71	U	1	0.71	5.70	ug/Kg	12/01/25 10:38	VY120125
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	5.70	ug/Kg	12/01/25 10:38	VY120125
591-78-6	2-Hexanone	4.20	U	1	4.20	28.6	ug/Kg	12/01/25 10:38	VY120125
124-48-1	Dibromochloromethane	1.00	U	1	1.00	5.70	ug/Kg	12/01/25 10:38	VY120125
106-93-4	1,2-Dibromoethane	1.00	U	1	1.00	5.70	ug/Kg	12/01/25 10:38	VY120125
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.70	ug/Kg	12/01/25 10:38	VY120125
108-90-7	Chlorobenzene	1.00	U	1	1.00	5.70	ug/Kg	12/01/25 10:38	VY120125
100-41-4	Ethyl Benzene	0.77	U	1	0.77	5.70	ug/Kg	12/01/25 10:38	VY120125
179601-23-1	m/p-Xylenes	1.40	U	1	1.40	11.5	ug/Kg	12/01/25 10:38	VY120125
95-47-6	o-Xylene	0.94	U	1	0.94	5.70	ug/Kg	12/01/25 10:38	VY120125
100-42-5	Styrene	0.81	U	1	0.81	5.70	ug/Kg	12/01/25 10:38	VY120125
75-25-2	Bromoform	0.99	U	1	0.99	5.70	ug/Kg	12/01/25 10:38	VY120125



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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: SB-1125-15ARE
Lab Sample ID: Q3719-09RE
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/25/25
SDG No.: Q3719
Matrix: SOIL
% Solid: 87.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.89	U	1	0.89	5.70	ug/Kg	12/01/25 10:38	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.70	ug/Kg	12/01/25 10:38	VY120125
541-73-1	1,3-Dichlorobenzene	2.00	U	1	2.00	5.70	ug/Kg	12/01/25 10:38	VY120125
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.70	ug/Kg	12/01/25 10:38	VY120125
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	5.70	ug/Kg	12/01/25 10:38	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	1	2.10	5.70	ug/Kg	12/01/25 10:38	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.40	U	1	3.40	5.70	ug/Kg	12/01/25 10:38	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.60	U	1	3.60	5.70	ug/Kg	12/01/25 10:38	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	140	*		63 - 155	282%	SPK: 50		
1868-53-7	Dibromofluoromethane	77.3	*		70 - 134	155%	SPK: 50		
2037-26-5	Toluene-d8	50.4			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.9			52 - 138	116%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	60800							
540-36-3	1,4-Difluorobenzene	125000							
3114-55-4	Chlorobenzene-d5	135000							
3855-82-1	1,4-Dichlorobenzene-d4	63200							
TENTATIVE IDENTIFIED COMPOUNDS									
000110-54-3	n-Hexane	8.90	J			5.65	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 : VY023833.D
 Acq On : 01 Dec 2025 10:38
 Operator : SY/MD
 Sample : Q3719-09RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-15ARE

Quant Time: Dec 02 03:14:35 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	60762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	124548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	135409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	63239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	83291	140.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 281.520%#	
35) Dibromofluoromethane	7.640	113	57051	77.325	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.640%#	
50) Toluene-d8	10.109	98	147632	50.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.407	95	55849	57.919	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.840%	

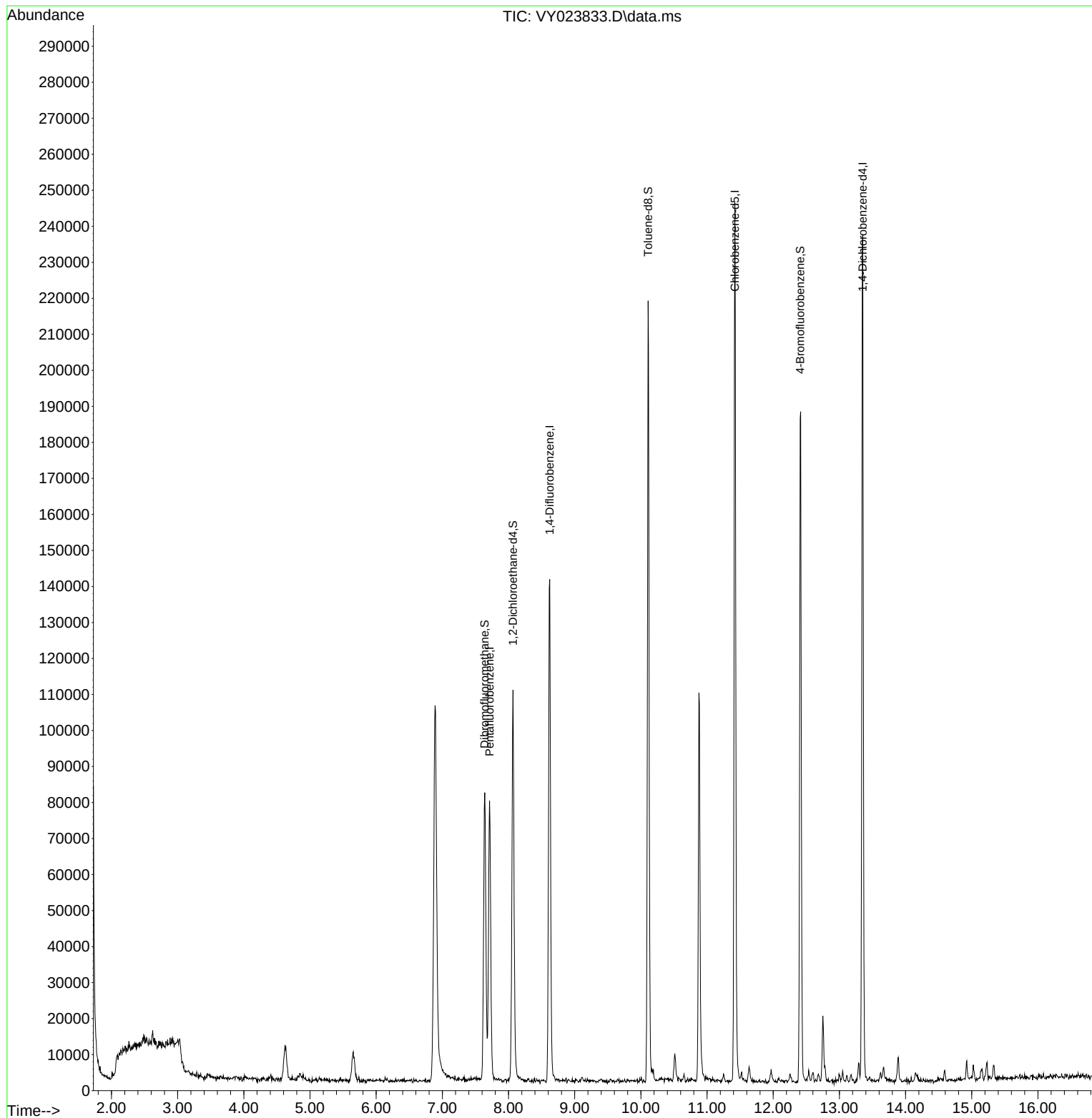
Target Compounds	Qvalue

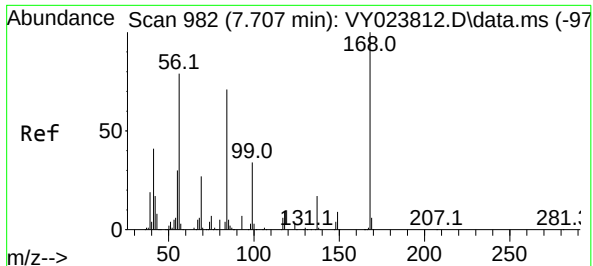
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023833.D
Acq On : 01 Dec 2025 10:38
Operator : SY/MD
Sample : Q3719-09RE
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

Quant Time: Dec 02 03:14:35 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

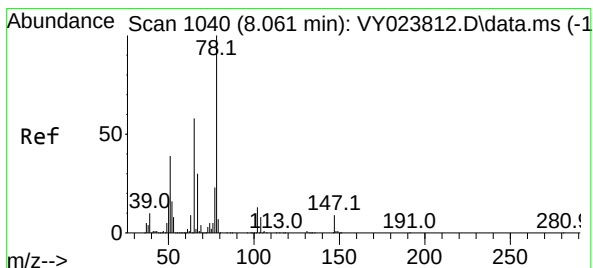
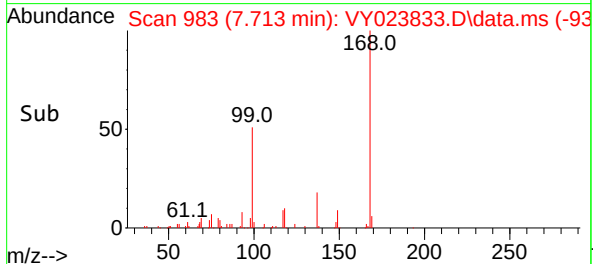
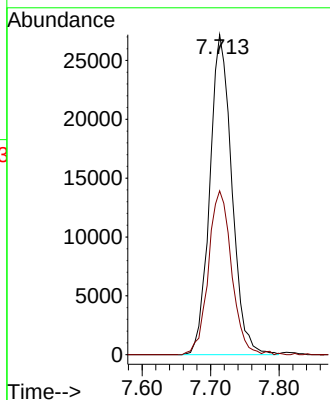
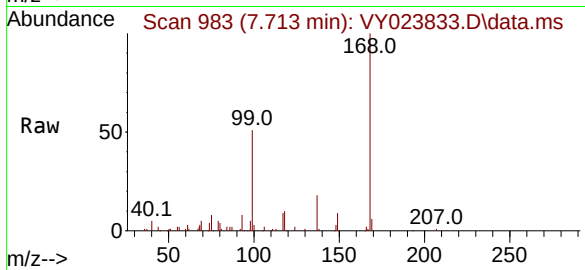




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

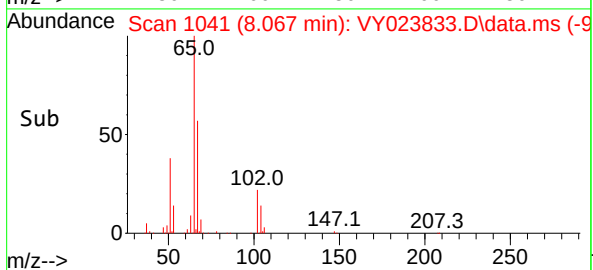
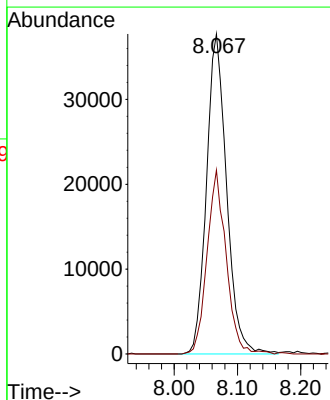
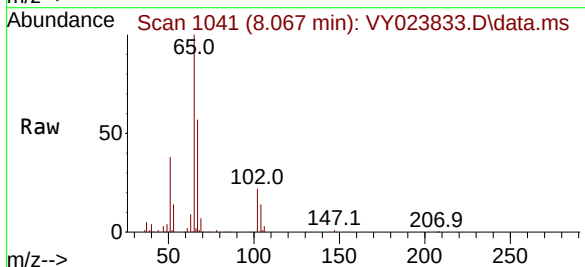
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

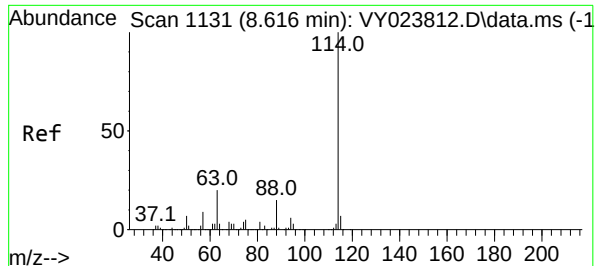
Tgt Ion:168 Resp: 60762
Ion Ratio Lower Upper
168 100
99 51.2 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 140.759 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 65 Resp: 83291
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-15ARE

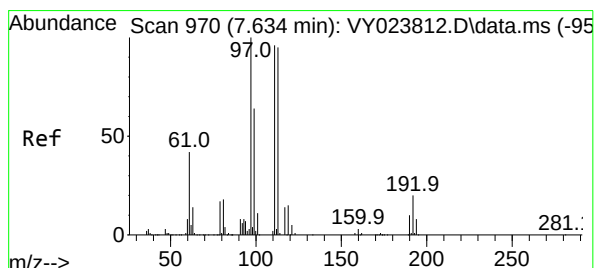
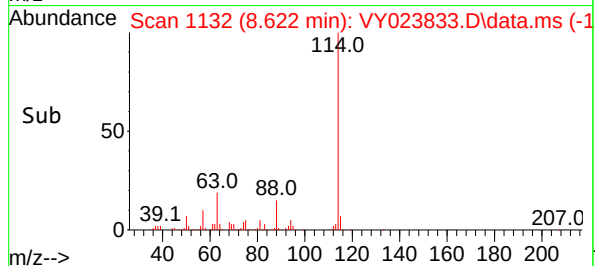
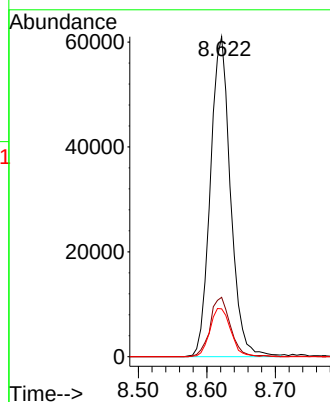
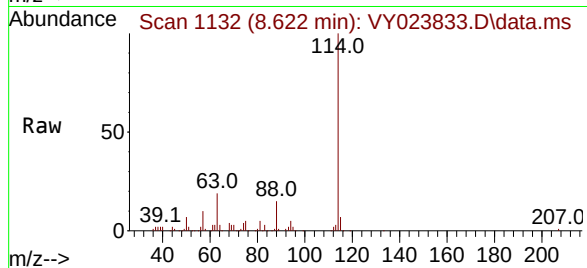
Tgt Ion:114 Resp: 124548

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.4

88 15.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 77.325 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

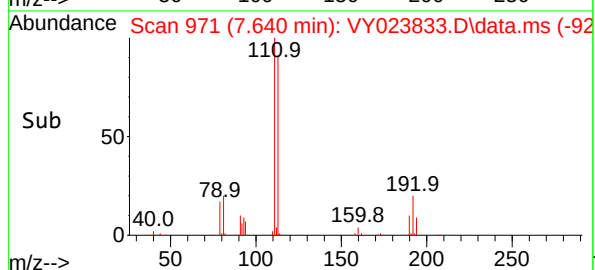
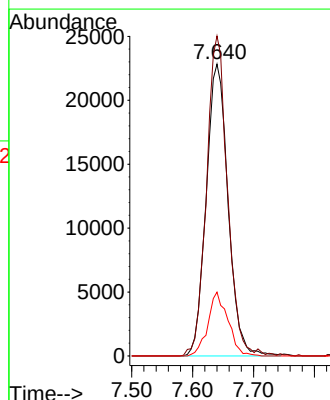
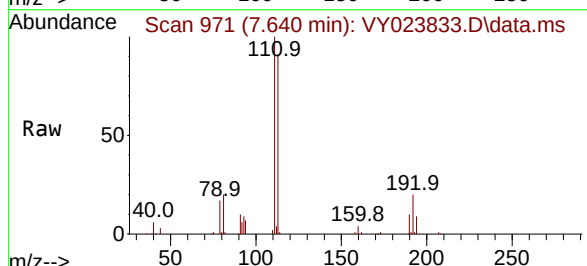
Tgt Ion:113 Resp: 57051

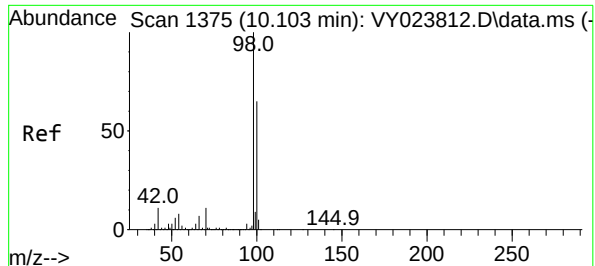
Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

192 20.0 15.8 23.8





#50

Toluene-d8

Concen: 50.376 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

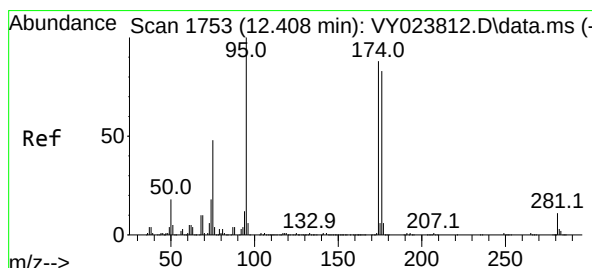
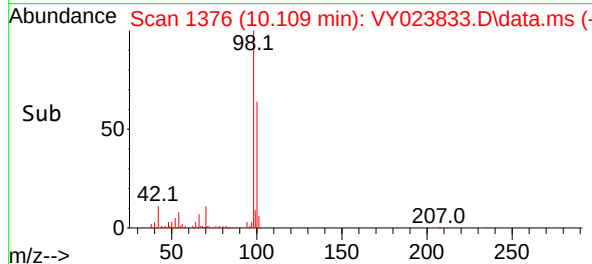
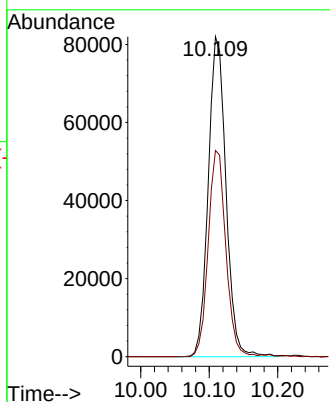
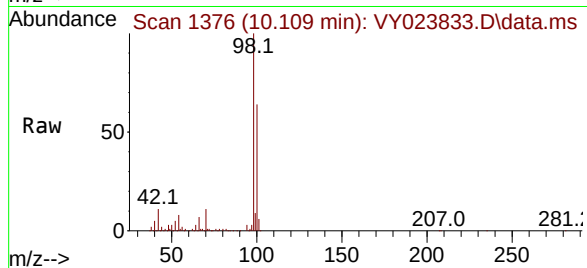
SB-1125-15ARE

Tgt Ion: 98 Resp: 147632

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 57.919 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

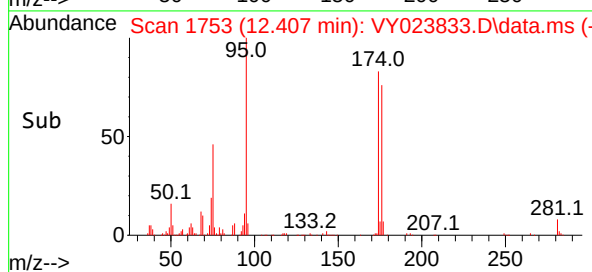
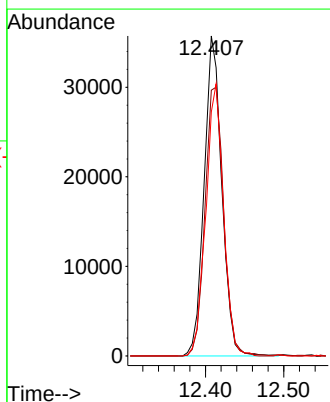
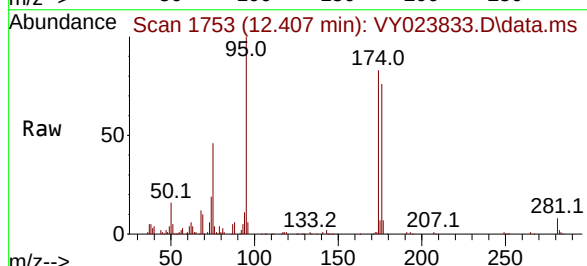
Tgt Ion: 95 Resp: 55849

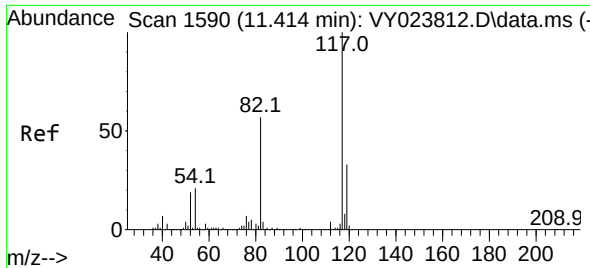
Ion Ratio Lower Upper

95 100

174 88.9 0.0 168.6

176 85.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-15ARE

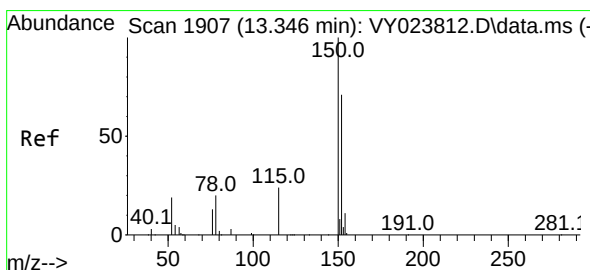
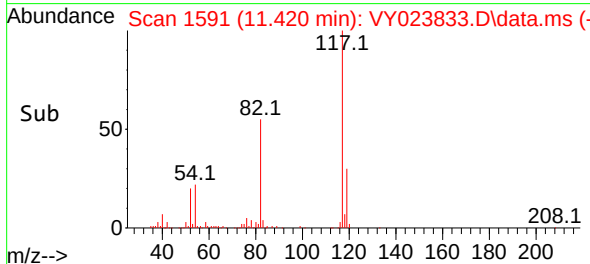
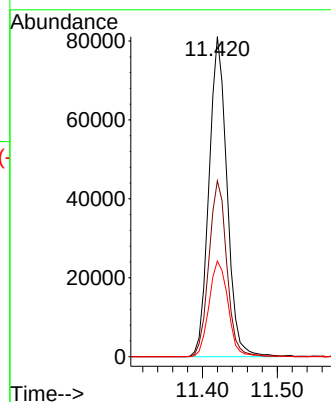
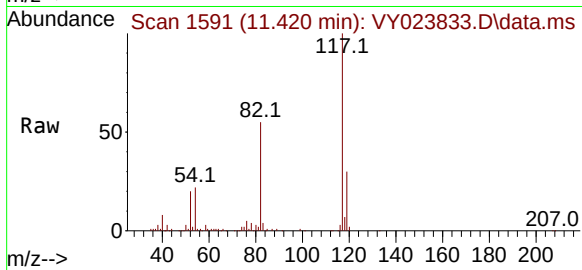
Tgt Ion:117 Resp: 135409

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.0

119 29.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

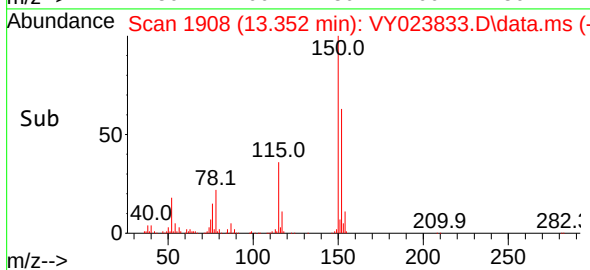
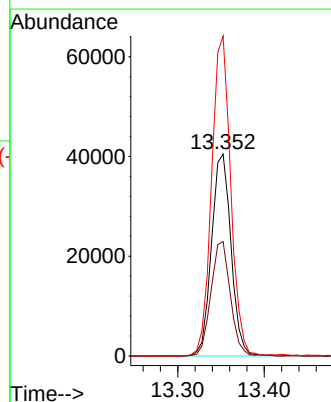
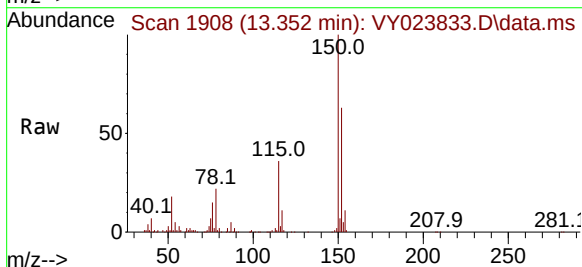
Tgt Ion:152 Resp: 63239

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.3

150 155.2 0.0 345.6



Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-15B
 Lab Sample ID: Q3719-10
 Analytical Method: 8260D
 Sample Wt/Vol: 5.17 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 89.4
 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	5.40	ug/Kg	11/26/25 17:11	VW112625
74-87-3	Chloromethane	1.20	U	1	1.20	5.40	ug/Kg	11/26/25 17:11	VW112625
75-01-4	Vinyl Chloride	0.85	U	1	0.85	5.40	ug/Kg	11/26/25 17:11	VW112625
74-83-9	Bromomethane	1.20	U	1	1.20	5.40	ug/Kg	11/26/25 17:11	VW112625
75-00-3	Chloroethane	1.40	U	1	1.40	5.40	ug/Kg	11/26/25 17:11	VW112625
75-69-4	Trichlorofluoromethane	1.30	U	1	1.30	5.40	ug/Kg	11/26/25 17:11	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	UQ	1	1.10	5.40	ug/Kg	11/26/25 17:11	VW112625
75-35-4	1,1-Dichloroethene	1.10	U	1	1.10	5.40	ug/Kg	11/26/25 17:11	VW112625
67-64-1	Acetone	5.10	U	1	5.10	27.0	ug/Kg	11/26/25 17:11	VW112625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.40	ug/Kg	11/26/25 17:11	VW112625
1634-04-4	Methyl tert-butyl Ether	0.79	U	1	0.79	5.40	ug/Kg	11/26/25 17:11	VW112625
79-20-9	Methyl Acetate	1.70	U	1	1.70	5.40	ug/Kg	11/26/25 17:11	VW112625
75-09-2	Methylene Chloride	3.80	U	1	3.80	10.8	ug/Kg	11/26/25 17:11	VW112625
156-60-5	trans-1,2-Dichloroethene	0.93	U	1	0.93	5.40	ug/Kg	11/26/25 17:11	VW112625
75-34-3	1,1-Dichloroethane	0.87	U	1	0.87	5.40	ug/Kg	11/26/25 17:11	VW112625
110-82-7	Cyclohexane	0.85	U	1	0.85	5.40	ug/Kg	11/26/25 17:11	VW112625
78-93-3	2-Butanone	7.10	U	1	7.10	27.0	ug/Kg	11/26/25 17:11	VW112625
56-23-5	Carbon Tetrachloride	1.00	U	1	1.00	5.40	ug/Kg	11/26/25 17:11	VW112625
156-59-2	cis-1,2-Dichloroethene	0.81	U	1	0.81	5.40	ug/Kg	11/26/25 17:11	VW112625
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.40	ug/Kg	11/26/25 17:11	VW112625
67-66-3	Chloroform	0.91	U	1	0.91	5.40	ug/Kg	11/26/25 17:11	VW112625
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.40	ug/Kg	11/26/25 17:11	VW112625
108-87-2	Methylcyclohexane	0.98	U	1	0.98	5.40	ug/Kg	11/26/25 17:11	VW112625
71-43-2	Benzene	0.85	U	1	0.85	5.40	ug/Kg	11/26/25 17:11	VW112625
107-06-2	1,2-Dichloroethane	0.85	U	1	0.85	5.40	ug/Kg	11/26/25 17:11	VW112625
79-01-6	Trichloroethene	0.88	U	1	0.88	5.40	ug/Kg	11/26/25 17:11	VW112625
78-87-5	1,2-Dichloropropane	0.98	U	1	0.98	5.40	ug/Kg	11/26/25 17:11	VW112625
75-27-4	Bromodichloromethane	0.84	U	1	0.84	5.40	ug/Kg	11/26/25 17:11	VW112625
108-10-1	4-Methyl-2-Pentanone	3.90	U	1	3.90	27.0	ug/Kg	11/26/25 17:11	VW112625
108-88-3	Toluene	0.84	U	1	0.84	5.40	ug/Kg	11/26/25 17:11	VW112625
10061-02-6	t-1,3-Dichloropropene	0.70	U	1	0.70	5.40	ug/Kg	11/26/25 17:11	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.67	U	1	0.67	5.40	ug/Kg	11/26/25 17:11	VW112625
79-00-5	1,1,2-Trichloroethane	1.00	U	1	1.00	5.40	ug/Kg	11/26/25 17:11	VW112625
591-78-6	2-Hexanone	4.00	U	1	4.00	27.0	ug/Kg	11/26/25 17:11	VW112625
124-48-1	Dibromochloromethane	0.94	U	1	0.94	5.40	ug/Kg	11/26/25 17:11	VW112625
106-93-4	1,2-Dibromoethane	0.95	U	1	0.95	5.40	ug/Kg	11/26/25 17:11	VW112625
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.40	ug/Kg	11/26/25 17:11	VW112625
108-90-7	Chlorobenzene	0.98	U	1	0.98	5.40	ug/Kg	11/26/25 17:11	VW112625
100-41-4	Ethyl Benzene	0.72	U	1	0.72	5.40	ug/Kg	11/26/25 17:11	VW112625
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.8	ug/Kg	11/26/25 17:11	VW112625
95-47-6	o-Xylene	0.89	U	1	0.89	5.40	ug/Kg	11/26/25 17:11	VW112625
100-42-5	Styrene	0.77	U	1	0.77	5.40	ug/Kg	11/26/25 17:11	VW112625
75-25-2	Bromoform	0.93	U	1	0.93	5.40	ug/Kg	11/26/25 17:11	VW112625

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-15B	SDG No.:	Q3719
Lab Sample ID:	Q3719-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.4
Sample Wt/Vol:	5.17 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.84	U	1	0.84	5.40	ug/Kg	11/26/25 17:11	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1	1.30	5.40	ug/Kg	11/26/25 17:11	VW112625
541-73-1	1,3-Dichlorobenzene	1.80	U	1	1.80	5.40	ug/Kg	11/26/25 17:11	VW112625
106-46-7	1,4-Dichlorobenzene	1.70	U	1	1.70	5.40	ug/Kg	11/26/25 17:11	VW112625
95-50-1	1,2-Dichlorobenzene	1.60	U	1	1.60	5.40	ug/Kg	11/26/25 17:11	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	1	2.00	5.40	ug/Kg	11/26/25 17:11	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.20	U	1	3.20	5.40	ug/Kg	11/26/25 17:11	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.40	U	1	3.40	5.40	ug/Kg	11/26/25 17:11	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	70.4			63 - 155	141%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.5			70 - 134	111%	SPK: 50		
2037-26-5	Toluene-d8	46.2			74 - 123	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.1			52 - 138	110%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	181000							
540-36-3	1,4-Difluorobenzene	452000							
3114-55-4	Chlorobenzene-d5	514000							
3855-82-1	1,4-Dichlorobenzene-d4	252000							

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_W\Data\VW112625\
 Data File : VW032549.D
 Acq On : 26 Nov 2025 17:11
 Operator : SY/MD
 Sample : Q3719-10
 Misc : 5.17g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-15B

Quant Time: Nov 27 00:30:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	181206	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	452149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	513533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164526	70.425	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	140.860%
35) Dibromofluoromethane	7.898	113	150363	55.543	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	111.080%
50) Toluene-d8	10.325	98	479373	46.158	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.320%
62) 4-Bromofluorobenzene	12.617	95	216082	55.078	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.160%

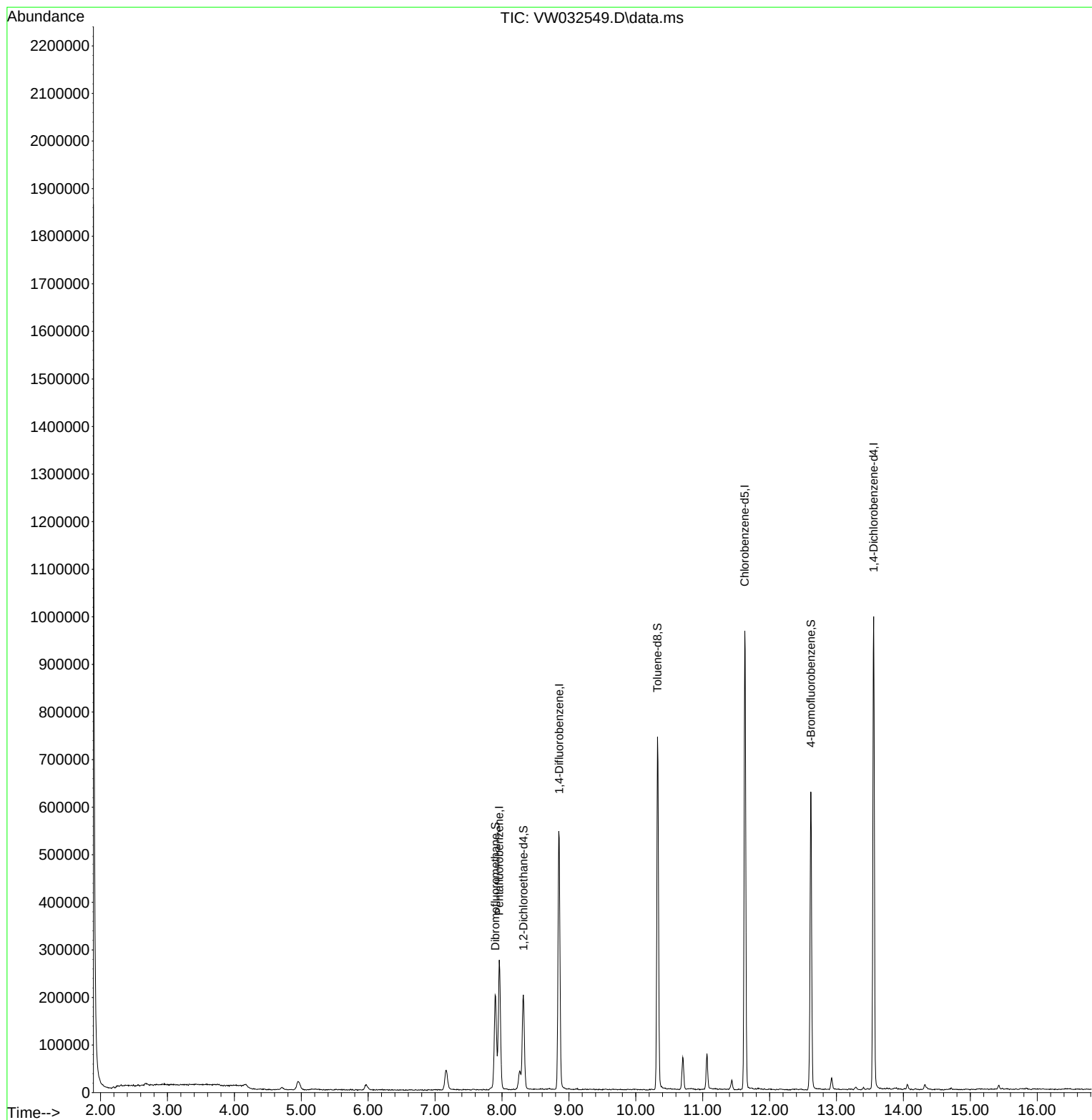
Target Compounds	Qvalue

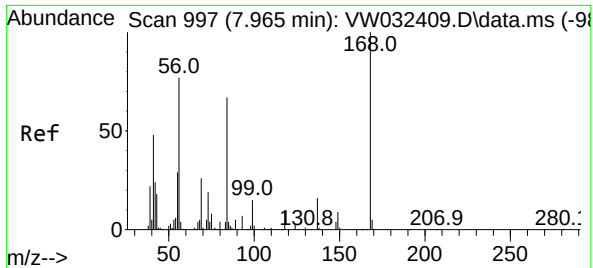
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032549.D
Acq On : 26 Nov 2025 17:11
Operator : SY/MD
Sample : Q3719-10
Misc : 5.17g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

Quant Time: Nov 27 00:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

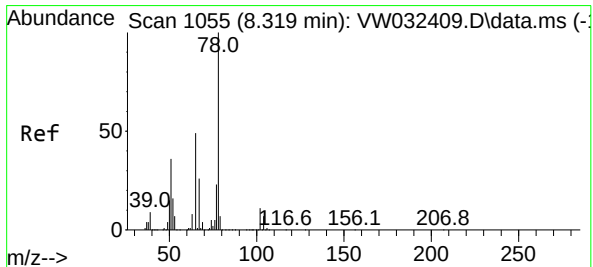
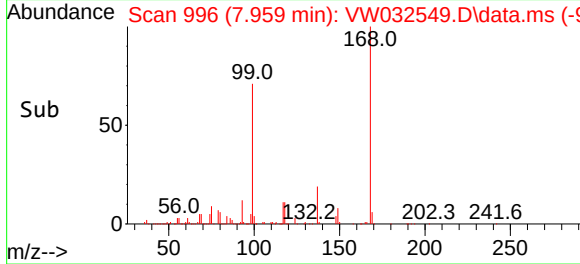
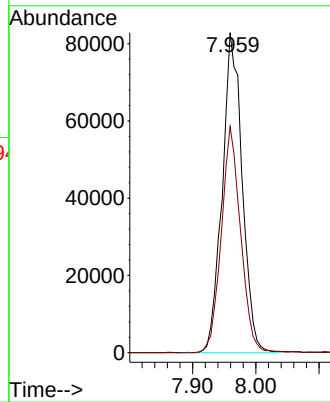
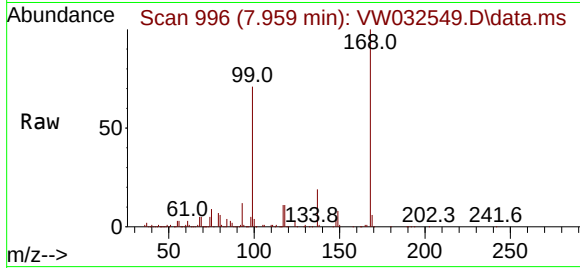




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

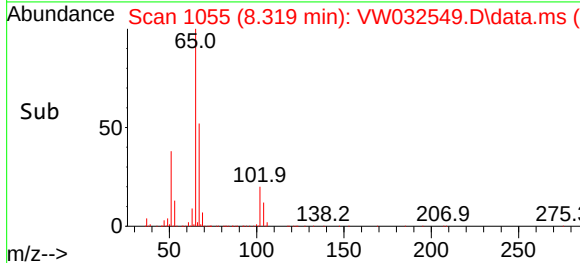
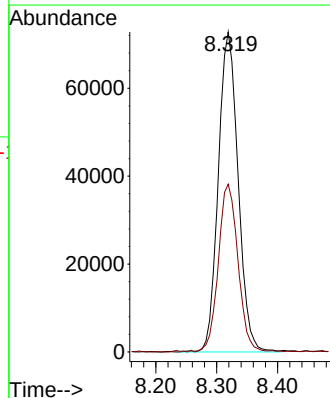
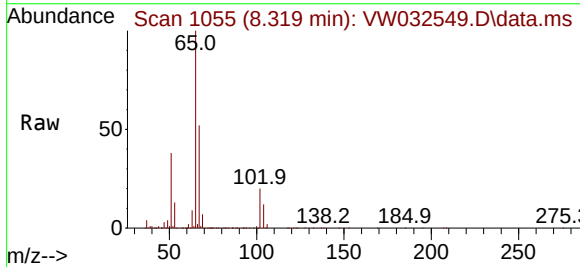
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

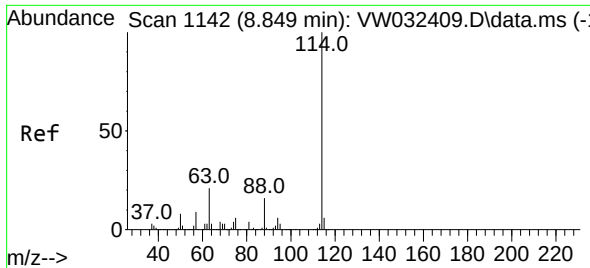
Tgt Ion:168 Resp: 181206
Ion Ratio Lower Upper
168 100
99 70.7 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 70.425 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion: 65 Resp: 164526
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

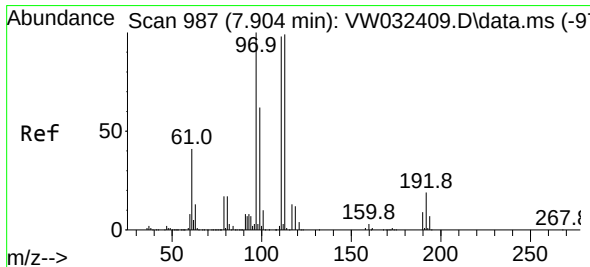
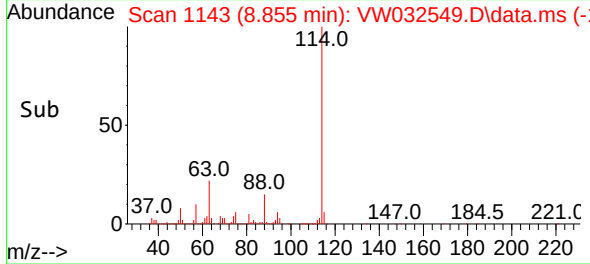
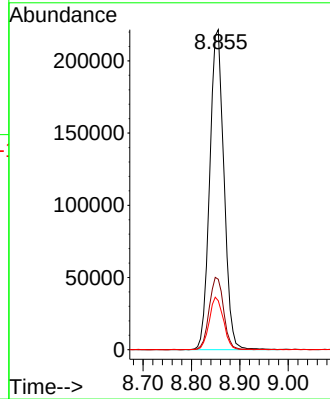
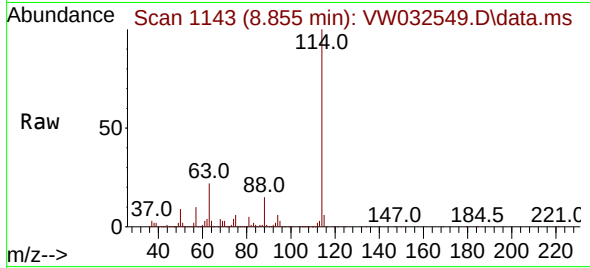




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

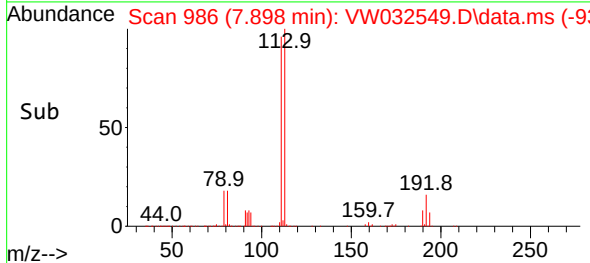
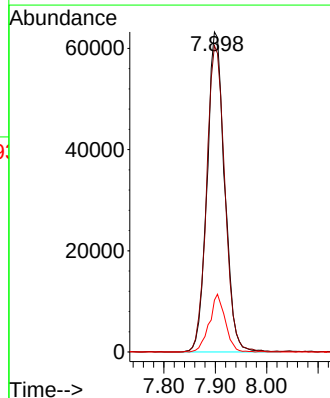
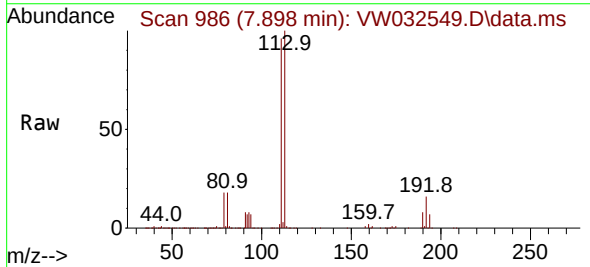
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

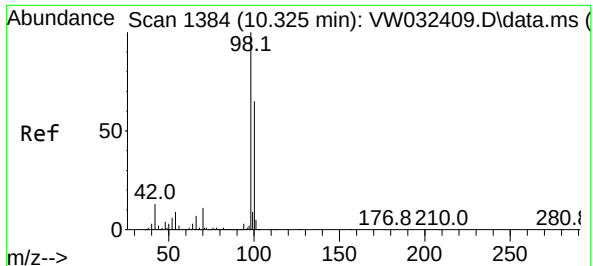
Tgt Ion:114 Resp: 452149
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 55.543 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion:113 Resp: 150363
Ion Ratio Lower Upper
113 100
111 99.1 83.1 124.7
192 16.3 13.4 20.2

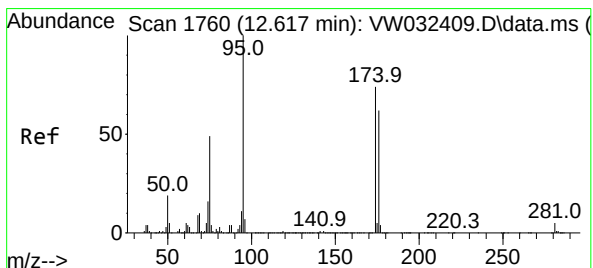
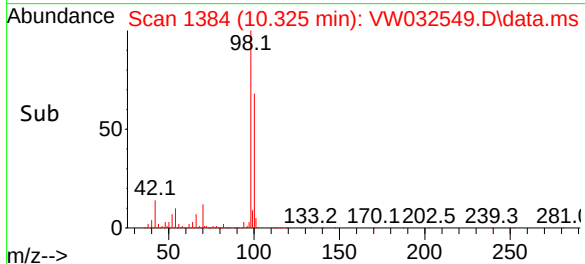
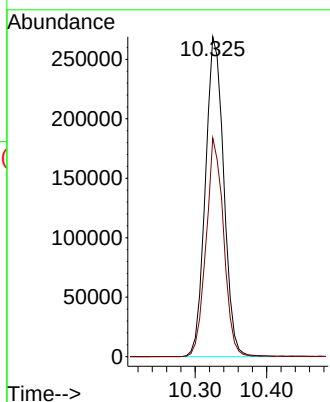
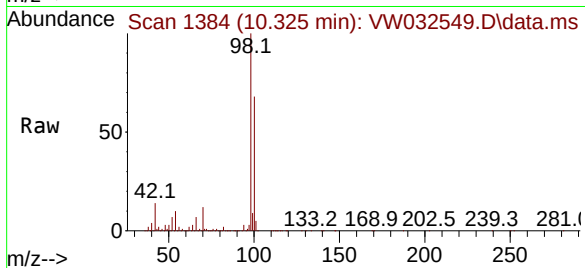




#50
Toluene-d8
Concen: 46.158 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

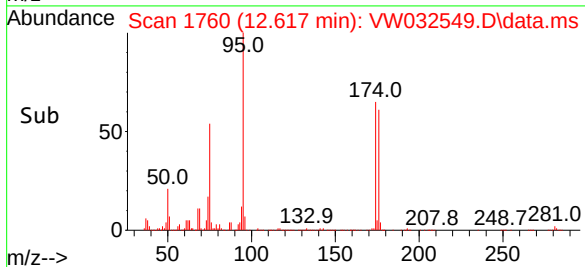
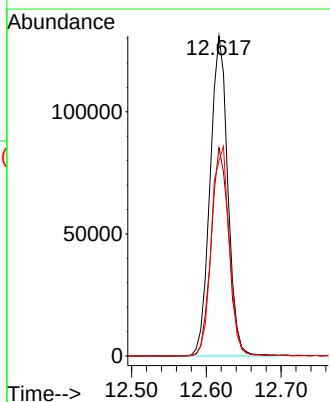
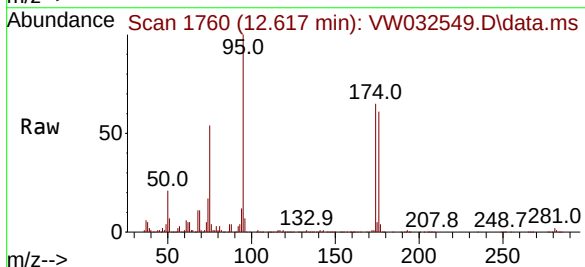
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

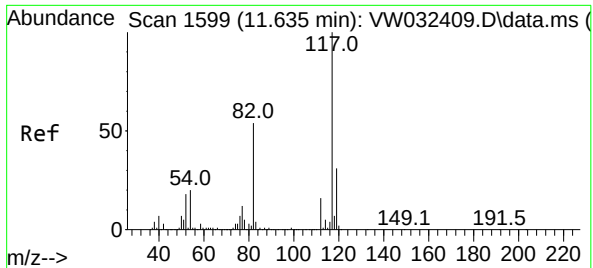
Tgt Ion: 98 Resp: 479373
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.078 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion: 95 Resp: 216082
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.4
176 65.8 0.0 131.8

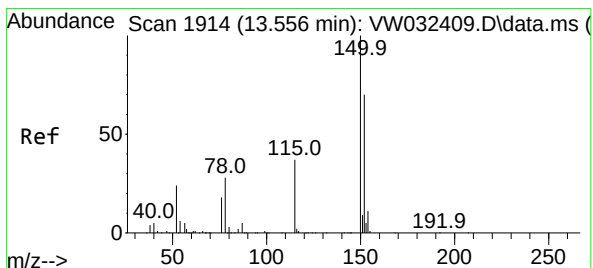
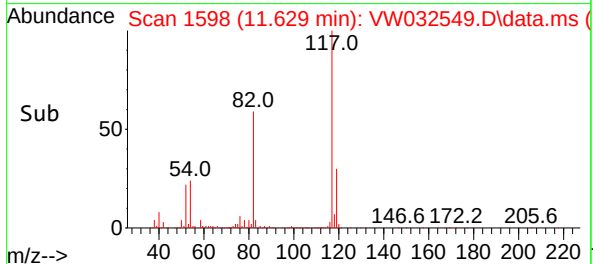
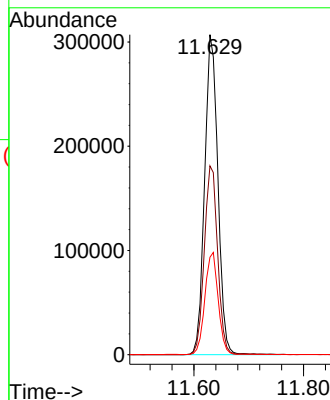
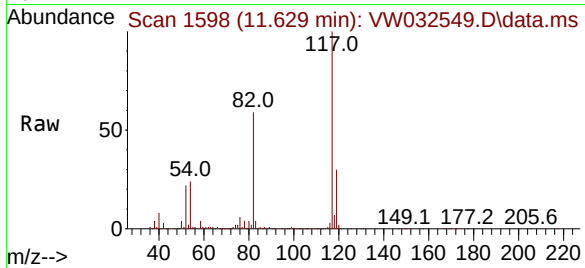




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

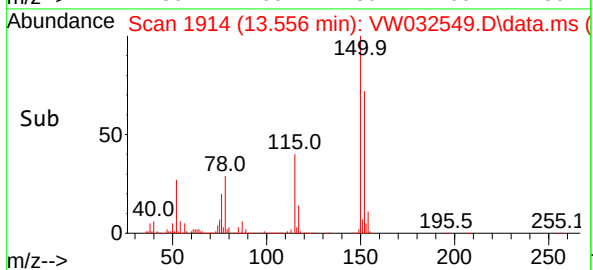
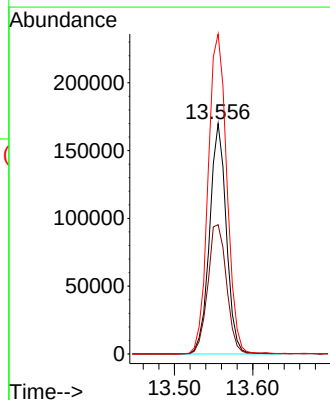
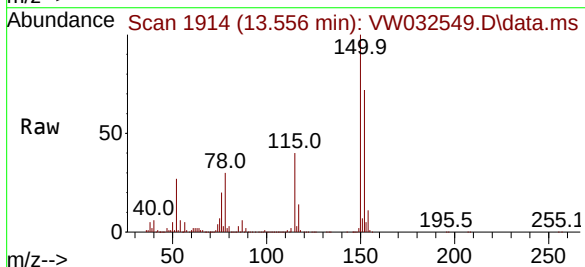
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

Tgt Ion:117 Resp: 513533
Ion Ratio Lower Upper
117 100
82 59.0 43.0 64.4
119 30.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032549.D
Acq: 26 Nov 2025 17:11

Tgt Ion:152 Resp: 252269
Ion Ratio Lower Upper
152 100
115 63.1 32.8 98.3
150 154.9 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032549.D
 Acq On : 26 Nov 2025 17:11
 Operator : SY/MD
 Sample : Q3719-10
 Misc : 5.17g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-15B

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032549.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.947	492	502	515	rBV2	17622	66871	4.08%	0.743%
2	5.966	663	669	680	rVB	10771	31794	1.94%	0.353%
3	7.167	857	866	880	rBV	41454	125303	7.65%	1.393%
4	7.898	977	986	991	rBV	195618	465215	28.42%	5.171%
5	7.959	991	996	1007	rVB	271064	604024	36.90%	6.715%
6	8.264	1035	1046	1049	rBV4	39270	95166	5.81%	1.058%
7	8.319	1049	1055	1070	rVB	198543	458169	27.99%	5.093%
8	8.849	1134	1142	1155	rBV	541968	1113908	68.04%	12.383%
9	10.325	1375	1384	1393	rBV	741230	1314038	80.27%	14.607%
10	10.703	1437	1446	1454	rBV2	67723	131217	8.02%	1.459%
11	11.062	1499	1505	1512	rBV	74658	127755	7.80%	1.420%
12	11.434	1558	1566	1574	rVB2	20588	40425	2.47%	0.449%
13	11.629	1591	1598	1606	rBV	963499	1637100	100.00%	18.199%
14	12.617	1751	1760	1770	rBV2	626596	1072698	65.52%	11.924%
15	12.928	1805	1811	1818	rBV2	24358	44955	2.75%	0.500%
16	13.556	1903	1914	1929	rBV	994024	1621880	99.07%	18.029%
17	14.056	1992	1996	2004	rVB	11296	21118	1.29%	0.235%
18	14.324	2032	2040	2047	rBV10	10301	24145	1.47%	0.268%

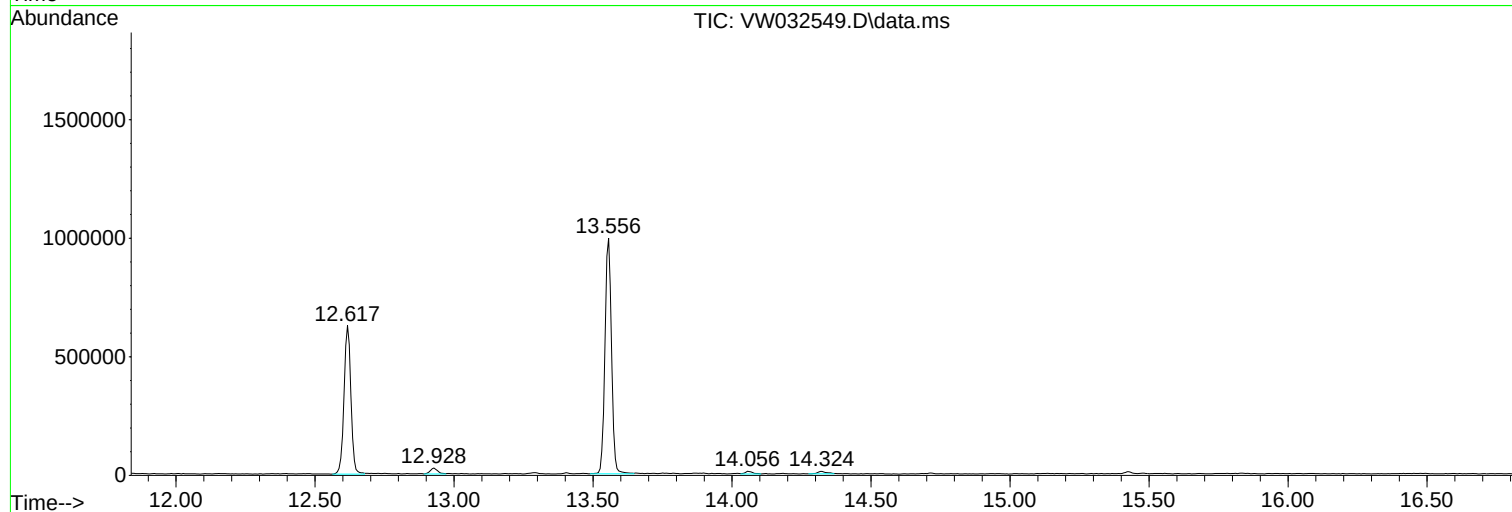
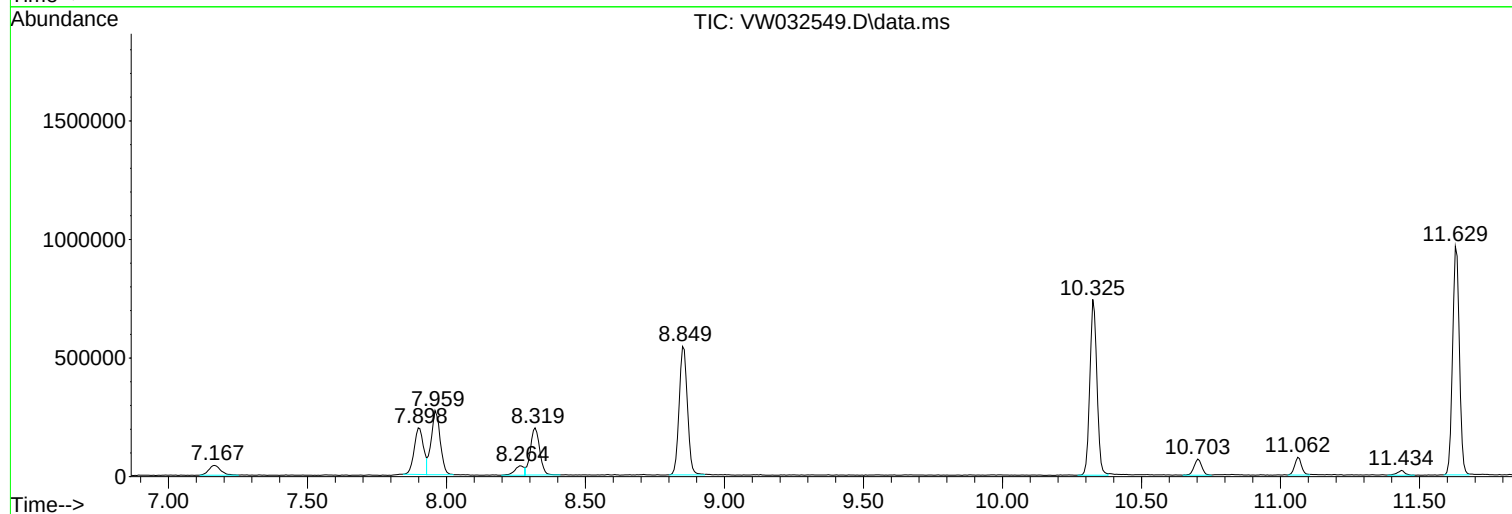
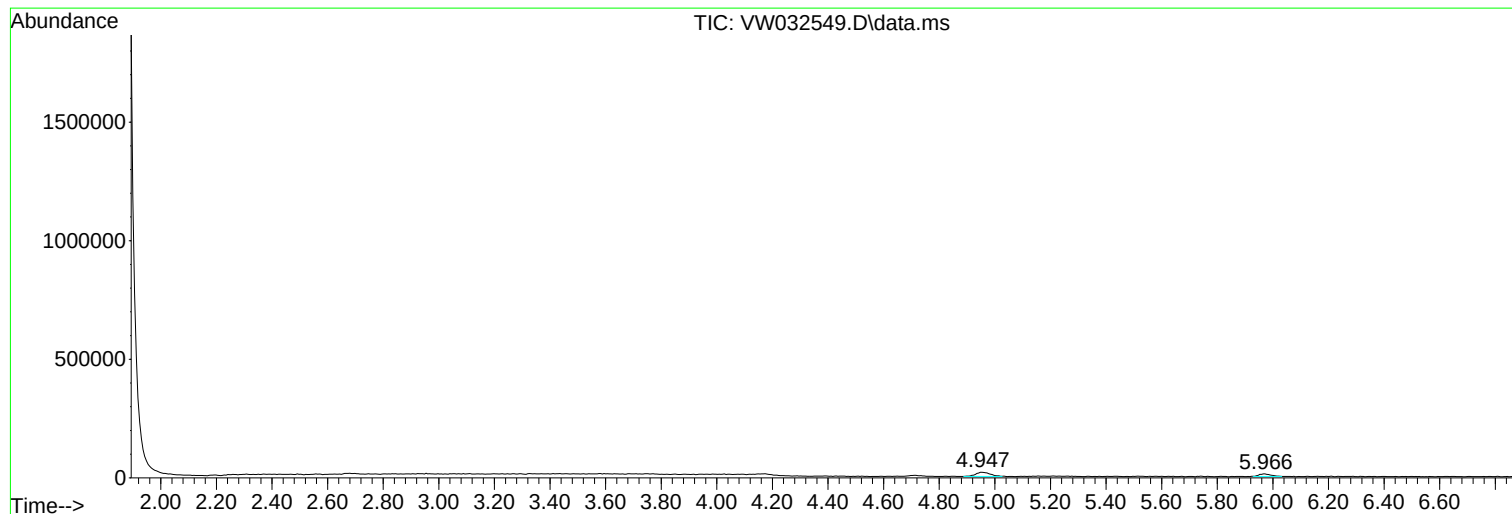
Sum of corrected areas: 8995781

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032549.D
Acq On : 26 Nov 2025 17:11
Operator : SY/MD
Sample : Q3719-10
Misc : 5.17g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032549.D
Acq On : 26 Nov 2025 17:11
Operator : SY/MD
Sample : Q3719-10
Misc : 5.17g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032549.D
Acq On : 26 Nov 2025 17:11
Operator : SY/MD
Sample : Q3719-10
Misc : 5.17g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-15B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-16A
 Lab Sample ID: Q3719-11
 Analytical Method: 8260D
 Sample Wt/Vol: 4.66 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 88
 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	11/26/25 17:33	VW112625
74-87-3	Chloromethane	1.40	U	1	1.40	6.10	ug/Kg	11/26/25 17:33	VW112625
75-01-4	Vinyl Chloride	0.96	U	1	0.96	6.10	ug/Kg	11/26/25 17:33	VW112625
74-83-9	Bromomethane	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:33	VW112625
75-00-3	Chloroethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:33	VW112625
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:33	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UQ	1	1.30	6.10	ug/Kg	11/26/25 17:33	VW112625
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.10	ug/Kg	11/26/25 17:33	VW112625
67-64-1	Acetone	5.80	U	1	5.80	30.5	ug/Kg	11/26/25 17:33	VW112625
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:33	VW112625
1634-04-4	Methyl tert-butyl Ether	0.89	U	1	0.89	6.10	ug/Kg	11/26/25 17:33	VW112625
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.10	ug/Kg	11/26/25 17:33	VW112625
75-09-2	Methylene Chloride	4.30	U	1	4.30	12.2	ug/Kg	11/26/25 17:33	VW112625
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:33	VW112625
75-34-3	1,1-Dichloroethane	0.98	U	1	0.98	6.10	ug/Kg	11/26/25 17:33	VW112625
110-82-7	Cyclohexane	0.96	U	1	0.96	6.10	ug/Kg	11/26/25 17:33	VW112625
78-93-3	2-Butanone	8.00	U	1	8.00	30.5	ug/Kg	11/26/25 17:33	VW112625
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.10	ug/Kg	11/26/25 17:33	VW112625
156-59-2	cis-1,2-Dichloroethene	0.91	U	1	0.91	6.10	ug/Kg	11/26/25 17:33	VW112625
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.10	ug/Kg	11/26/25 17:33	VW112625
67-66-3	Chloroform	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:33	VW112625
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
71-43-2	Benzene	0.96	U	1	0.96	6.10	ug/Kg	11/26/25 17:33	VW112625
107-06-2	1,2-Dichloroethane	0.96	U	1	0.96	6.10	ug/Kg	11/26/25 17:33	VW112625
79-01-6	Trichloroethene	0.99	U	1	0.99	6.10	ug/Kg	11/26/25 17:33	VW112625
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
75-27-4	Bromodichloromethane	0.95	U	1	0.95	6.10	ug/Kg	11/26/25 17:33	VW112625
108-10-1	4-Methyl-2-Pentanone	4.40	U	1	4.40	30.5	ug/Kg	11/26/25 17:33	VW112625
108-88-3	Toluene	0.95	U	1	0.95	6.10	ug/Kg	11/26/25 17:33	VW112625
10061-02-6	t-1,3-Dichloropropene	0.79	U	1	0.79	6.10	ug/Kg	11/26/25 17:33	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.76	U	1	0.76	6.10	ug/Kg	11/26/25 17:33	VW112625
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
591-78-6	2-Hexanone	4.50	U	1	4.50	30.5	ug/Kg	11/26/25 17:33	VW112625
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:33	VW112625
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:33	VW112625
100-41-4	Ethyl Benzene	0.82	U	1	0.82	6.10	ug/Kg	11/26/25 17:33	VW112625
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.2	ug/Kg	11/26/25 17:33	VW112625
95-47-6	o-Xylene	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:33	VW112625
100-42-5	Styrene	0.87	U	1	0.87	6.10	ug/Kg	11/26/25 17:33	VW112625
75-25-2	Bromoform	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:33	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-16A	SDG No.:	Q3719
Lab Sample ID:	Q3719-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88
Sample Wt/Vol:	4.66 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

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	11/26/25 17:33	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:33	VW112625
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.10	ug/Kg	11/26/25 17:33	VW112625
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.10	ug/Kg	11/26/25 17:33	VW112625
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.10	ug/Kg	11/26/25 17:33	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.10	ug/Kg	11/26/25 17:33	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.10	ug/Kg	11/26/25 17:33	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.90	U	1	3.90	6.10	ug/Kg	11/26/25 17:33	VW112625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	71.4			63 - 155	143%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5			70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	47.0			74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7			52 - 138	111%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	180000
540-36-3	1,4-Difluorobenzene	445000
3114-55-4	Chlorobenzene-d5	516000
3855-82-1	1,4-Dichlorobenzene-d4	254000

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_W\Data\VW112625\
 Data File : VW032550.D
 Acq On : 26 Nov 2025 17:33
 Operator : SY/MD
 Sample : Q3719-11
 Misc : 4.66g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-16A

Quant Time: Nov 27 00:30:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	179732	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	445052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	515760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	254063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	165498	71.422	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	142.840%
35) Dibromofluoromethane	7.898	113	147838	55.482	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.960%
50) Toluene-d8	10.330	98	480029	46.958	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.617	95	215196	55.727	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	111.460%

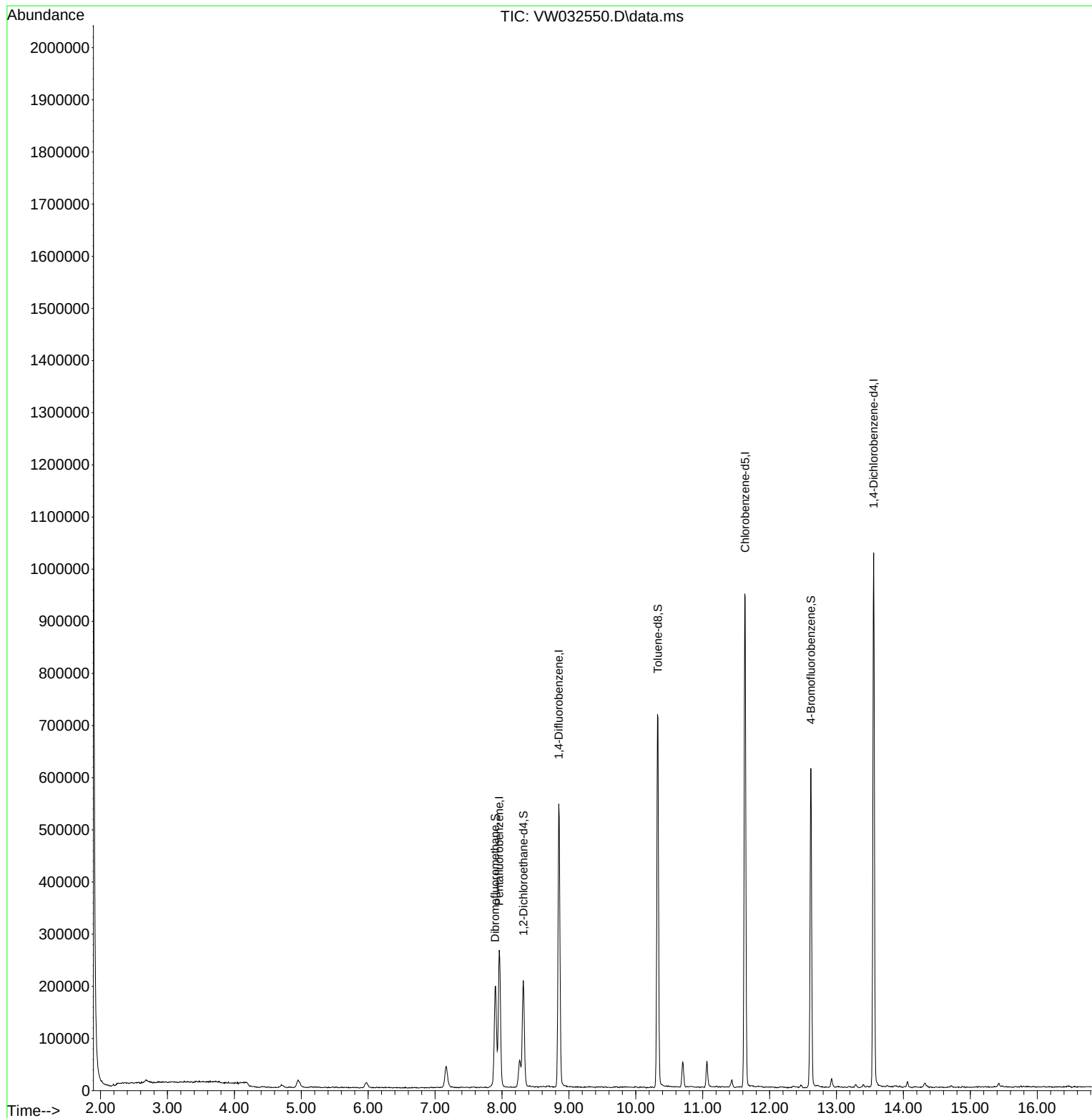
Target Compounds	Qvalue

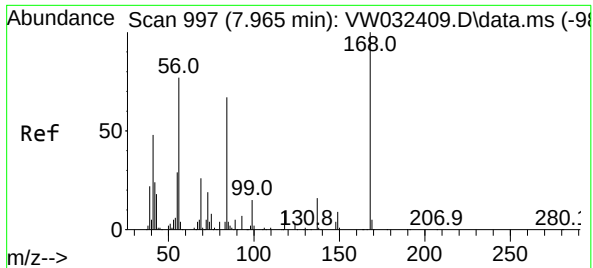
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032550.D
Acq On : 26 Nov 2025 17:33
Operator : SY/MD
Sample : Q3719-11
Misc : 4.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

Quant Time: Nov 27 00:30:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

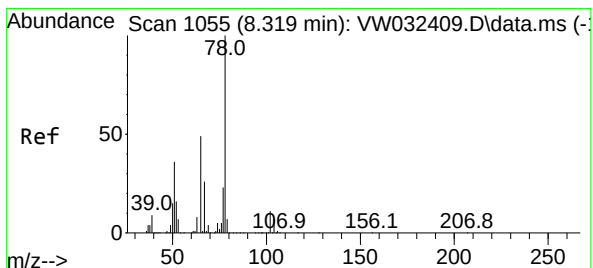
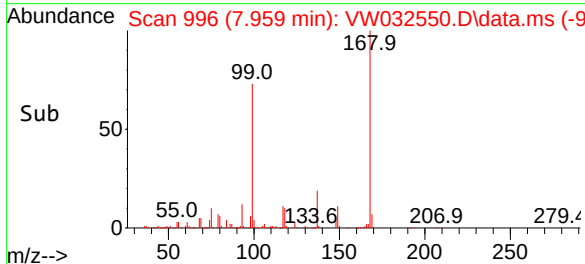
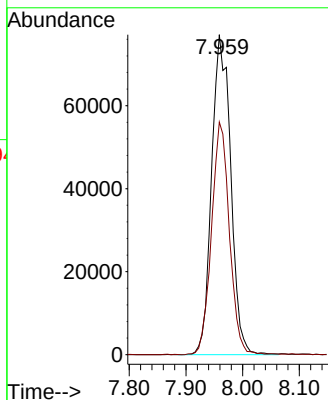
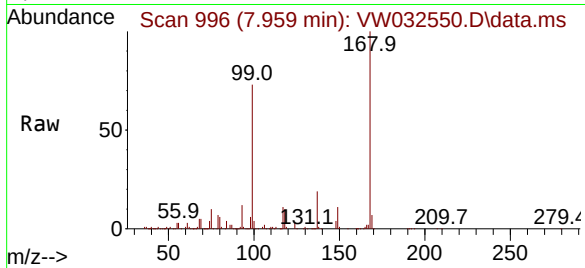




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

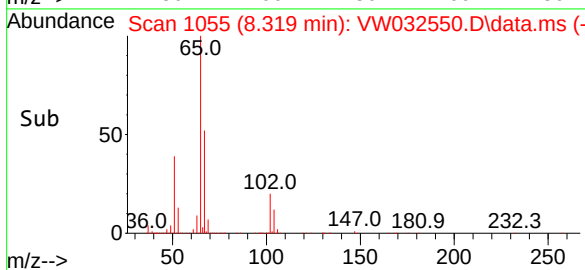
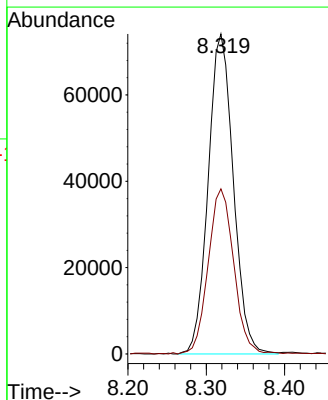
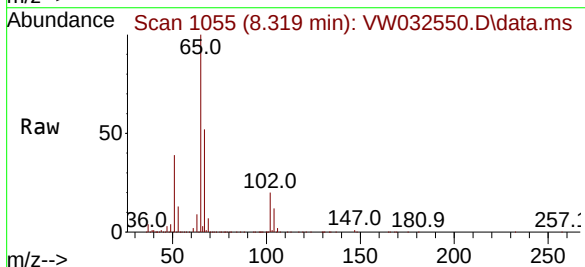
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

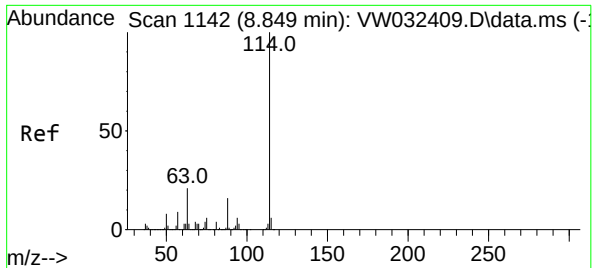
Tgt Ion:168 Resp: 179732
Ion Ratio Lower Upper
168 100
99 72.6 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 71.422 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion: 65 Resp: 165498
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

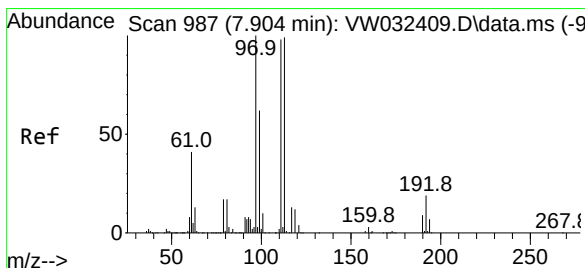
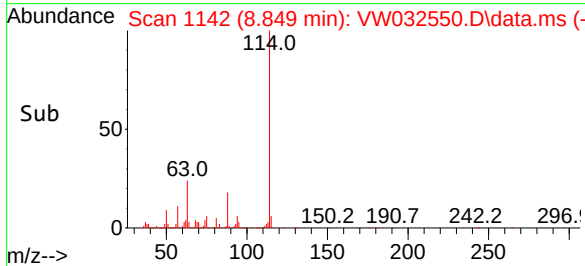
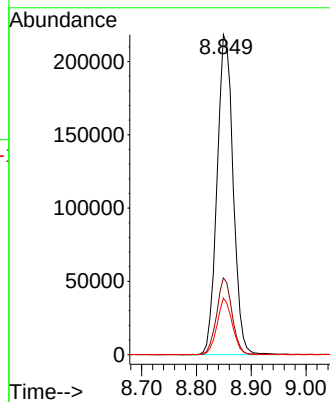
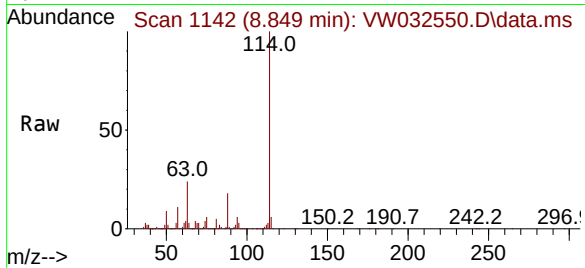




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

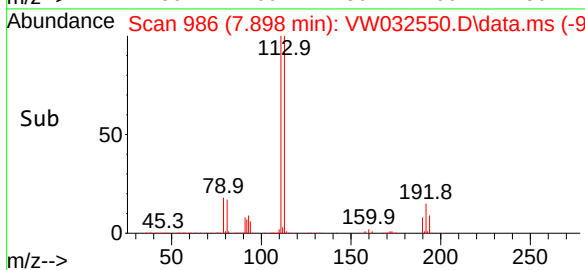
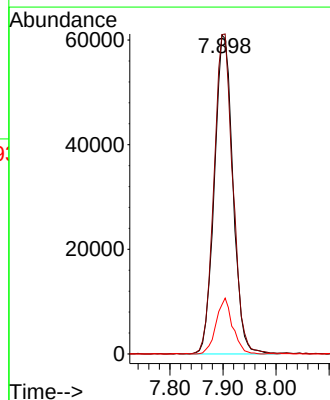
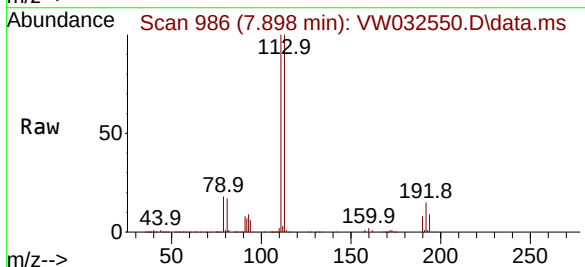
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

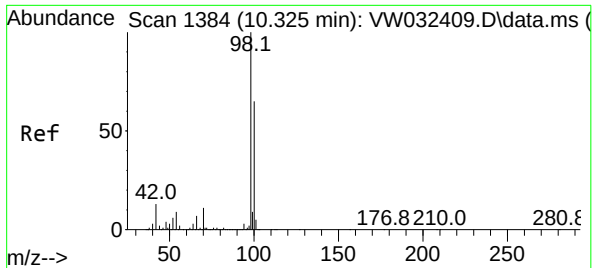
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	41.8
88	17.7	0.0	32.6



#35
Dibromofluoromethane
Concen: 55.482 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	15.7	13.4	20.2

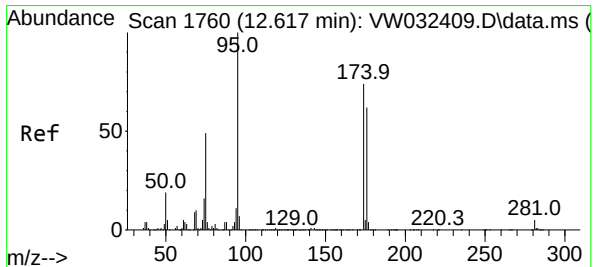
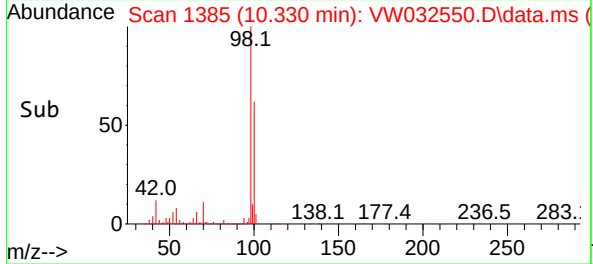
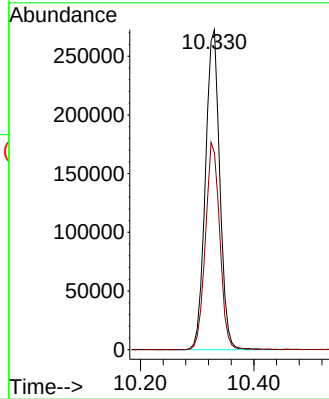
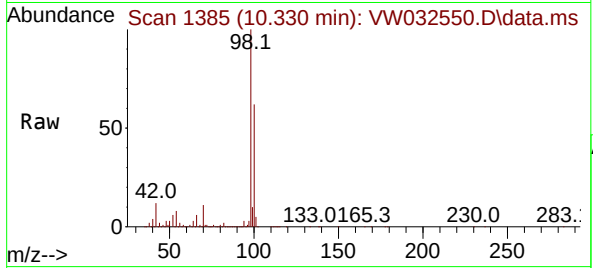




#50
Toluene-d8
Concen: 46.958 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

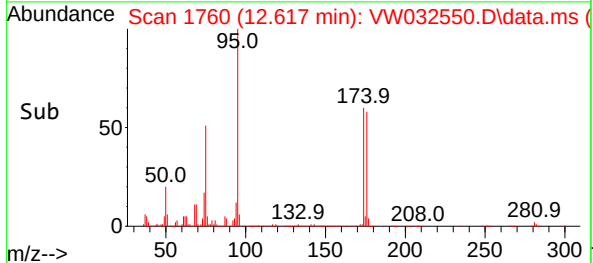
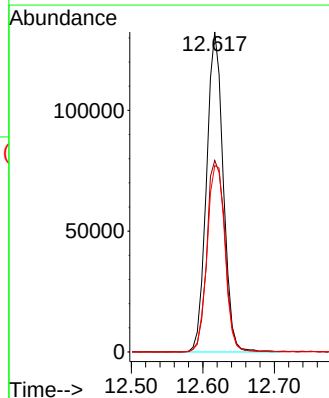
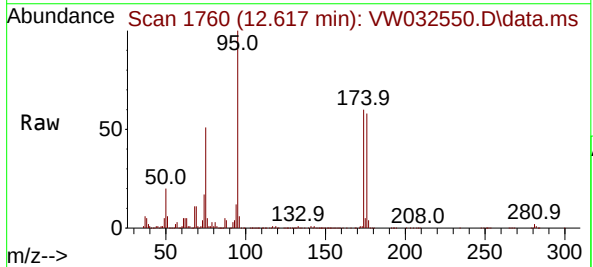
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

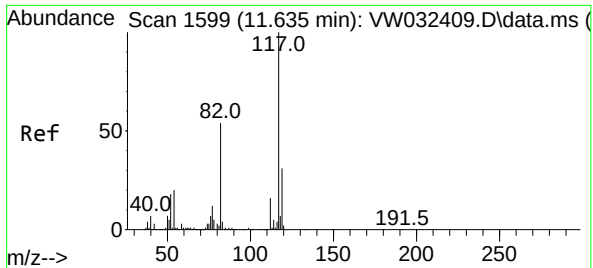
Tgt Ion: 98 Resp: 480029
Ion Ratio Lower Upper
98 100
100 64.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.727 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion: 95 Resp: 215196
Ion Ratio Lower Upper
95 100
174 64.7 0.0 135.4
176 62.5 0.0 131.8

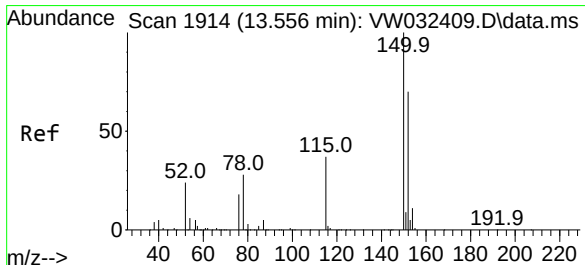
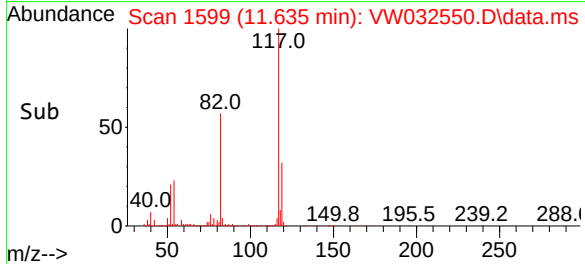
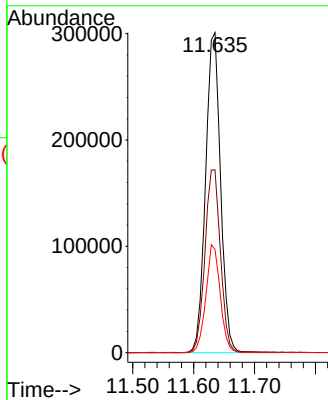
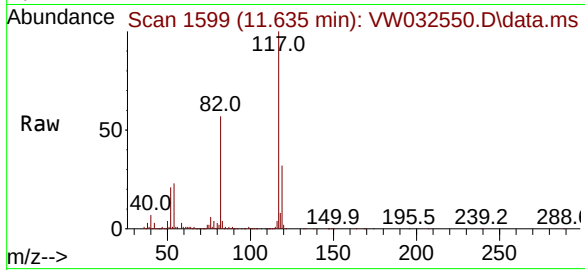




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

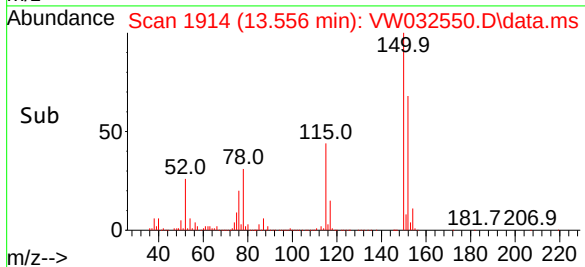
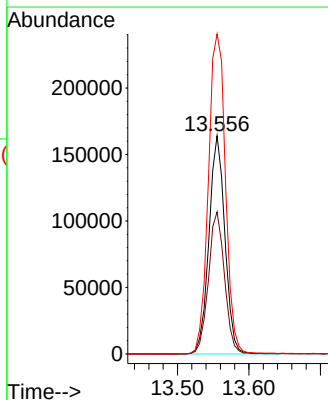
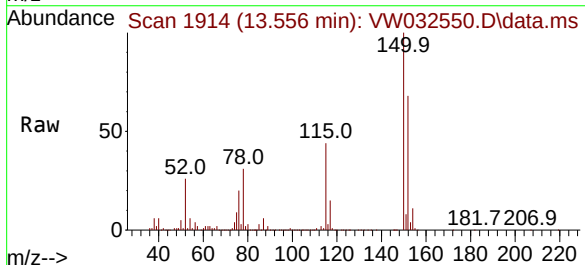
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.0	64.4
119	32.2	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	32.8	98.3
150	157.2	0.0	356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032550.D
 Acq On : 26 Nov 2025 17:33
 Operator : SY/MD
 Sample : Q3719-11
 Misc : 4.66g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-16A

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032550.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.953	491	503	515	rBV3	14718	53238	3.22%	0.599%
2	5.978	661	671	678	rBV6	10410	32943	1.99%	0.371%
3	7.166	854	866	878	rBV2	40557	122303	7.40%	1.376%
4	7.904	966	987	991	rBV	194722	487314	29.48%	5.482%
5	7.959	991	996	1007	rVB	261982	602768	36.46%	6.781%
6	8.264	1037	1046	1049	rBV2	51485	119203	7.21%	1.341%
7	8.319	1049	1055	1066	rVB	203123	462543	27.98%	5.204%
8	8.849	1133	1142	1155	rBV	543050	1099626	66.52%	12.371%
9	10.324	1375	1384	1393	rBV	716257	1290838	78.08%	14.522%
10	10.702	1439	1446	1453	rBV2	48150	93654	5.67%	1.054%
11	11.062	1499	1505	1517	rBV	50738	95469	5.77%	1.074%
12	11.434	1559	1566	1575	rVB	14700	30023	1.82%	0.338%
13	11.629	1590	1598	1607	rBV	945834	1643828	99.43%	18.493%
14	12.617	1749	1760	1771	rBV	612885	1048688	63.43%	11.798%
15	12.928	1803	1811	1819	rBV	16976	32787	1.98%	0.369%
16	13.556	1906	1914	1925	rBV	1024282	1653179	100.00%	18.599%
17	14.324	2030	2040	2043	rBV10	8552	20363	1.23%	0.229%

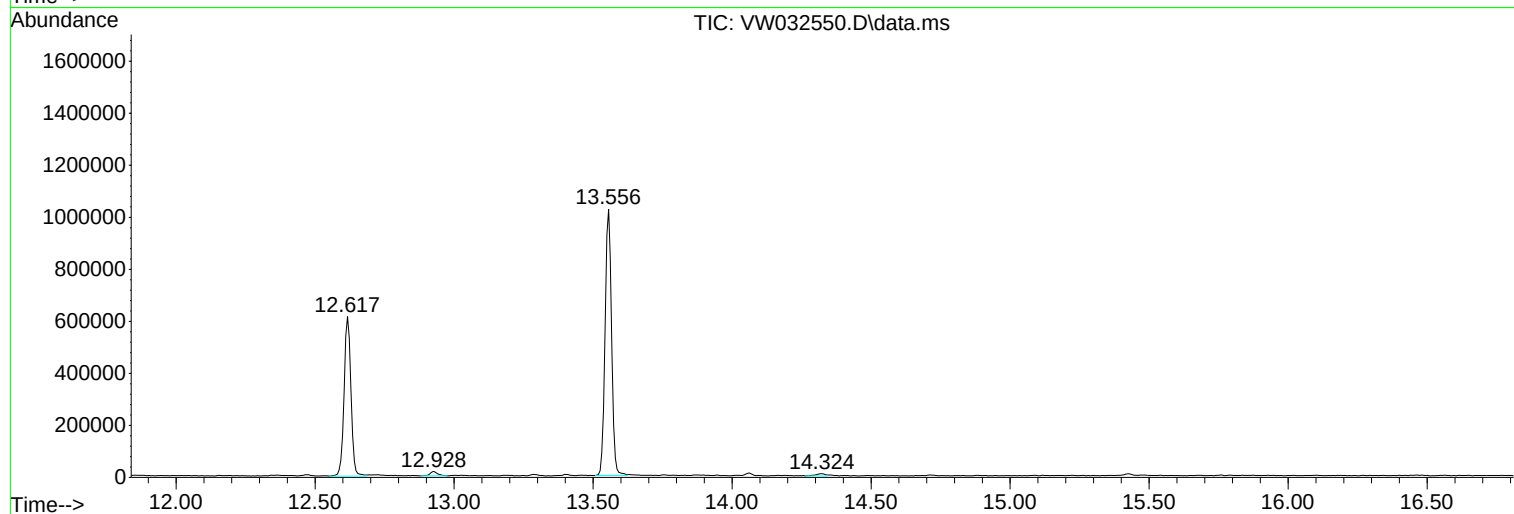
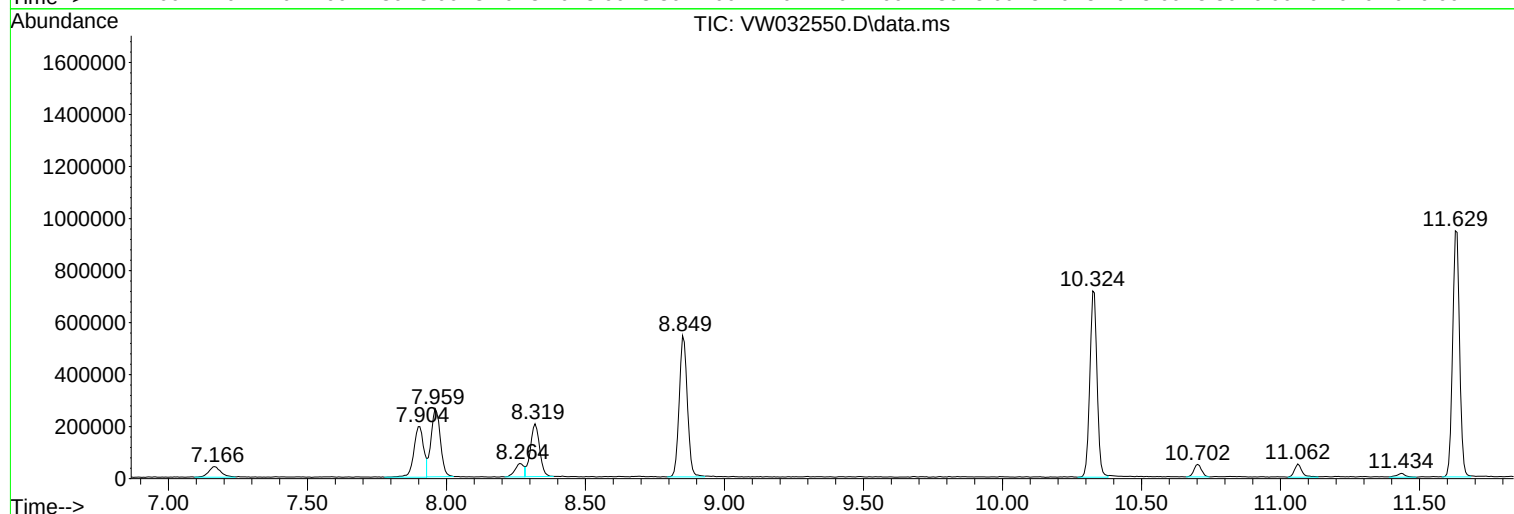
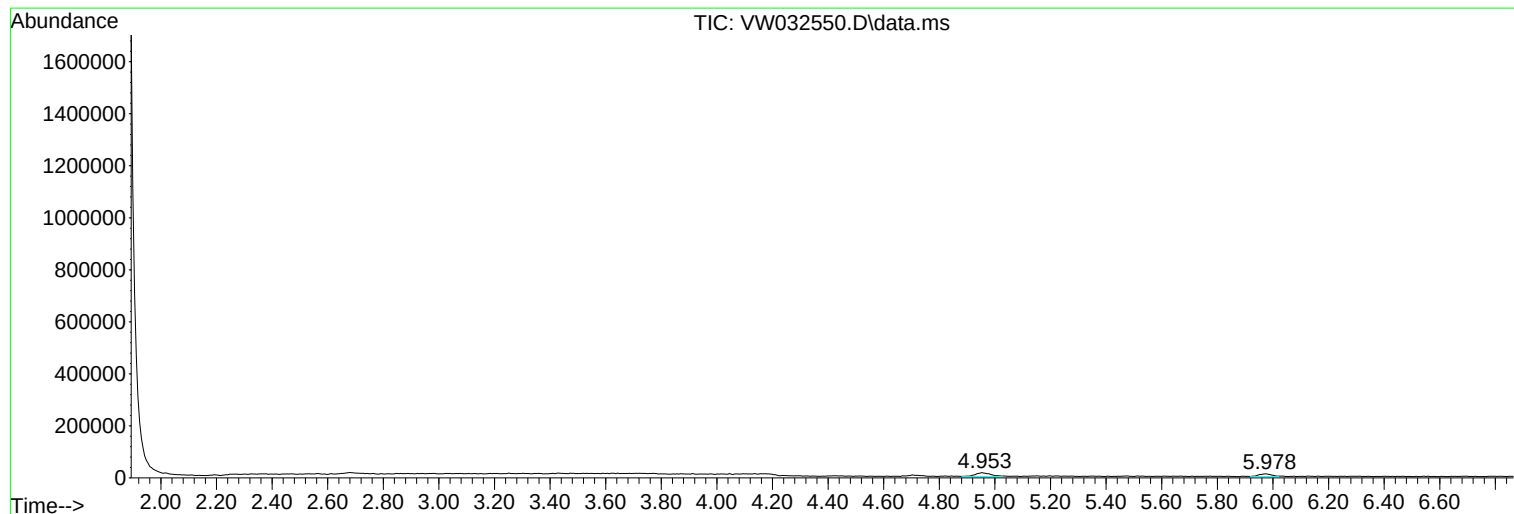
Sum of corrected areas: 8888767

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032550.D
Acq On : 26 Nov 2025 17:33
Operator : SY/MD
Sample : Q3719-11
Misc : 4.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032550.D
Acq On : 26 Nov 2025 17:33
Operator : SY/MD
Sample : Q3719-11
Misc : 4.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032550.D
Acq On : 26 Nov 2025 17:33
Operator : SY/MD
Sample : Q3719-11
Misc : 4.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-16B
 Lab Sample ID: Q3719-12
 Analytical Method: 8260D
 Sample Wt/Vol: 4.51 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 90.7
 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	11/26/25 17:55	VW112625
74-87-3	Chloromethane	1.40	U	1	1.40	6.10	ug/Kg	11/26/25 17:55	VW112625
75-01-4	Vinyl Chloride	0.97	U	1	0.97	6.10	ug/Kg	11/26/25 17:55	VW112625
74-83-9	Bromomethane	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:55	VW112625
75-00-3	Chloroethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:55	VW112625
75-69-4	Trichlorofluoromethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:55	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UQ	1	1.30	6.10	ug/Kg	11/26/25 17:55	VW112625
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	6.10	ug/Kg	11/26/25 17:55	VW112625
67-64-1	Acetone	5.80	U	1	5.80	30.6	ug/Kg	11/26/25 17:55	VW112625
75-15-0	Carbon Disulfide	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:55	VW112625
1634-04-4	Methyl tert-butyl Ether	0.89	U	1	0.89	6.10	ug/Kg	11/26/25 17:55	VW112625
79-20-9	Methyl Acetate	1.90	U	1	1.90	6.10	ug/Kg	11/26/25 17:55	VW112625
75-09-2	Methylene Chloride	4.30	U	1	4.30	12.2	ug/Kg	11/26/25 17:55	VW112625
156-60-5	trans-1,2-Dichloroethene	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
75-34-3	1,1-Dichloroethane	0.98	U	1	0.98	6.10	ug/Kg	11/26/25 17:55	VW112625
110-82-7	Cyclohexane	0.97	U	1	0.97	6.10	ug/Kg	11/26/25 17:55	VW112625
78-93-3	2-Butanone	8.00	U	1	8.00	30.6	ug/Kg	11/26/25 17:55	VW112625
56-23-5	Carbon Tetrachloride	1.20	U	1	1.20	6.10	ug/Kg	11/26/25 17:55	VW112625
156-59-2	cis-1,2-Dichloroethene	0.92	U	1	0.92	6.10	ug/Kg	11/26/25 17:55	VW112625
74-97-5	Bromochloromethane	1.40	U	1	1.40	6.10	ug/Kg	11/26/25 17:55	VW112625
67-66-3	Chloroform	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:55	VW112625
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
108-87-2	Methylcyclohexane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
71-43-2	Benzene	0.97	U	1	0.97	6.10	ug/Kg	11/26/25 17:55	VW112625
107-06-2	1,2-Dichloroethane	0.97	U	1	0.97	6.10	ug/Kg	11/26/25 17:55	VW112625
79-01-6	Trichloroethene	0.99	U	1	0.99	6.10	ug/Kg	11/26/25 17:55	VW112625
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
75-27-4	Bromodichloromethane	0.95	U	1	0.95	6.10	ug/Kg	11/26/25 17:55	VW112625
108-10-1	4-Methyl-2-Pentanone	4.40	U	1	4.40	30.6	ug/Kg	11/26/25 17:55	VW112625
108-88-3	Toluene	0.95	U	1	0.95	6.10	ug/Kg	11/26/25 17:55	VW112625
10061-02-6	t-1,3-Dichloropropene	0.79	U	1	0.79	6.10	ug/Kg	11/26/25 17:55	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.76	U	1	0.76	6.10	ug/Kg	11/26/25 17:55	VW112625
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
591-78-6	2-Hexanone	4.50	U	1	4.50	30.6	ug/Kg	11/26/25 17:55	VW112625
124-48-1	Dibromochloromethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
106-93-4	1,2-Dibromoethane	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
127-18-4	Tetrachloroethene	1.30	U	1	1.30	6.10	ug/Kg	11/26/25 17:55	VW112625
108-90-7	Chlorobenzene	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625
100-41-4	Ethyl Benzene	0.82	U	1	0.82	6.10	ug/Kg	11/26/25 17:55	VW112625
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	12.2	ug/Kg	11/26/25 17:55	VW112625
95-47-6	o-Xylene	1.00	U	1	1.00	6.10	ug/Kg	11/26/25 17:55	VW112625
100-42-5	Styrene	0.87	U	1	0.87	6.10	ug/Kg	11/26/25 17:55	VW112625
75-25-2	Bromoform	1.10	U	1	1.10	6.10	ug/Kg	11/26/25 17:55	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-16B	SDG No.:	Q3719
Lab Sample ID:	Q3719-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	4.51 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

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	11/26/25 17:55	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1	1.50	6.10	ug/Kg	11/26/25 17:55	VW112625
541-73-1	1,3-Dichlorobenzene	2.10	U	1	2.10	6.10	ug/Kg	11/26/25 17:55	VW112625
106-46-7	1,4-Dichlorobenzene	1.90	U	1	1.90	6.10	ug/Kg	11/26/25 17:55	VW112625
95-50-1	1,2-Dichlorobenzene	1.80	U	1	1.80	6.10	ug/Kg	11/26/25 17:55	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	6.10	ug/Kg	11/26/25 17:55	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.60	U	1	3.60	6.10	ug/Kg	11/26/25 17:55	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.90	U	1	3.90	6.10	ug/Kg	11/26/25 17:55	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	66.9			63 - 155	134%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.5			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	45.2			74 - 123	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.9			52 - 138	108%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	190000							
540-36-3	1,4-Difluorobenzene	464000							
3114-55-4	Chlorobenzene-d5	527000							
3855-82-1	1,4-Dichlorobenzene-d4	256000							

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_W\Data\VW112625\
 Data File : VW032551.D
 Acq On : 26 Nov 2025 17:55
 Operator : SY/MD
 Sample : Q3719-12
 Misc : 4.51g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-16B

Quant Time: Nov 27 00:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	189608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	463920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	526803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163489	66.880	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	133.760%
35) Dibromofluoromethane	7.898	113	148536	53.476	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.960%
50) Toluene-d8	10.331	98	481649	45.201	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.400%
62) 4-Bromofluorobenzene	12.617	95	216969	53.901	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.800%

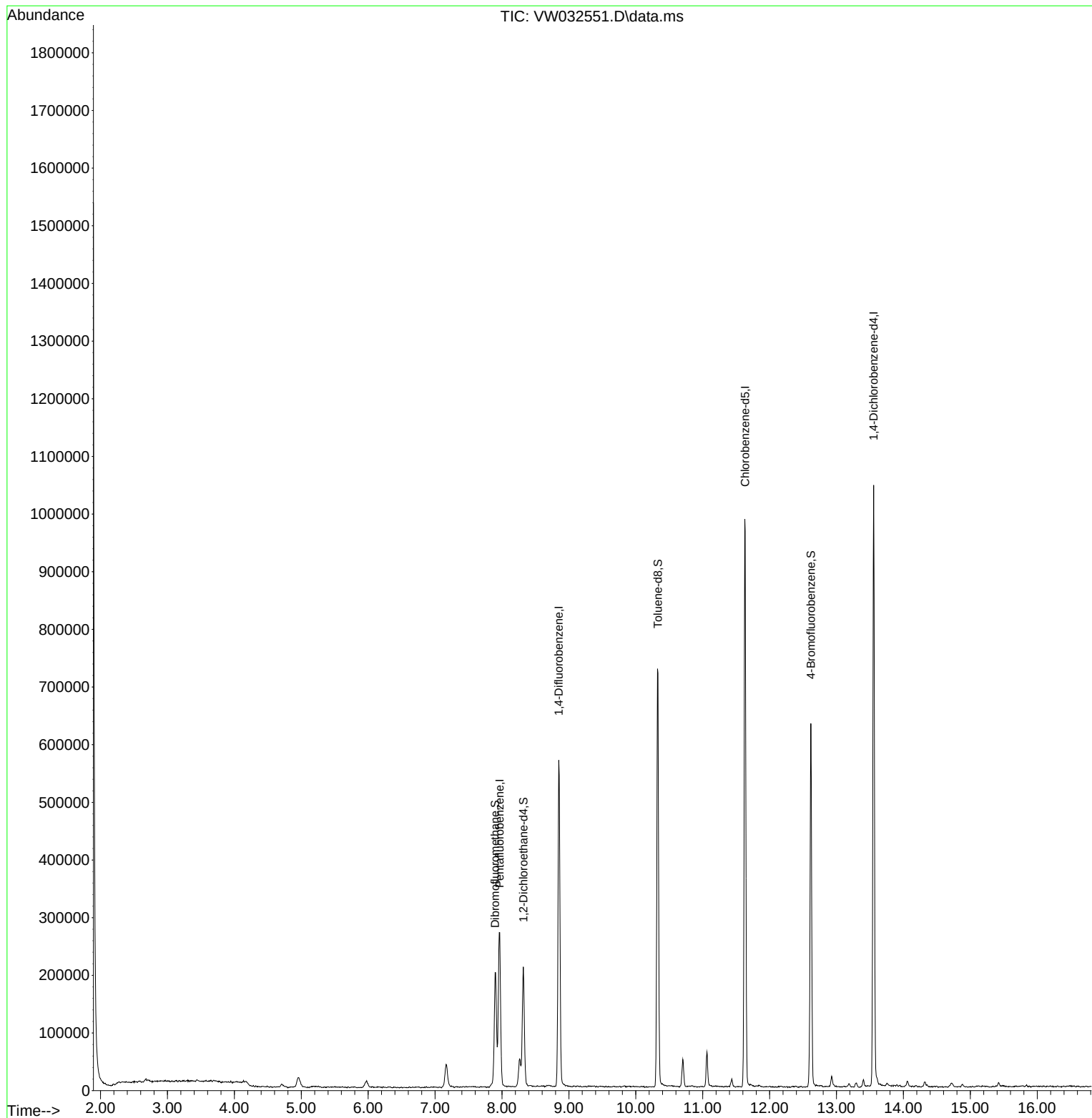
Target Compounds	Qvalue

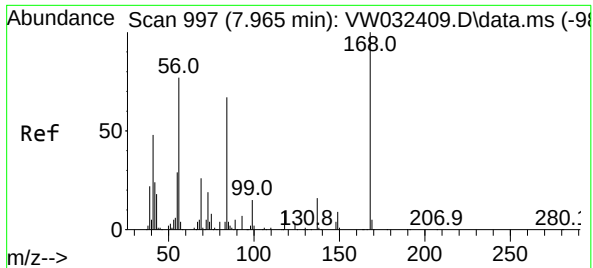
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032551.D
Acq On : 26 Nov 2025 17:55
Operator : SY/MD
Sample : Q3719-12
Misc : 4.51g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

Quant Time: Nov 27 00:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

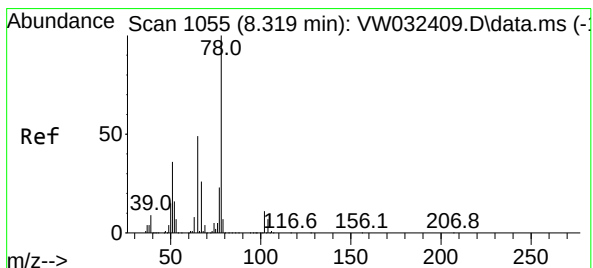
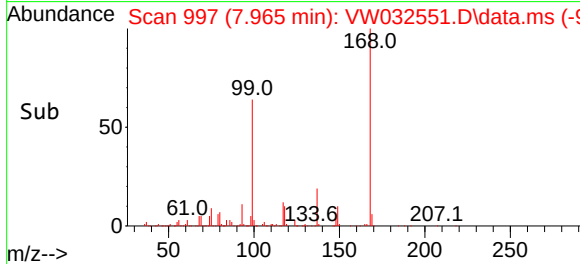
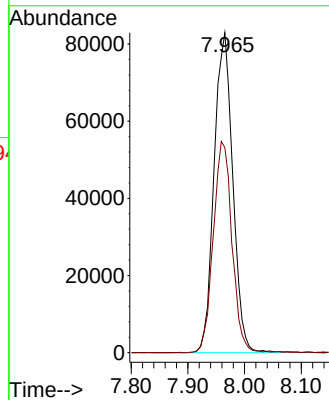
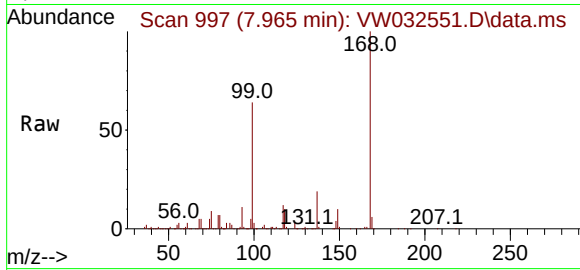




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

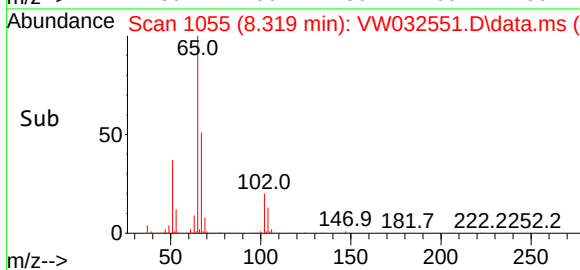
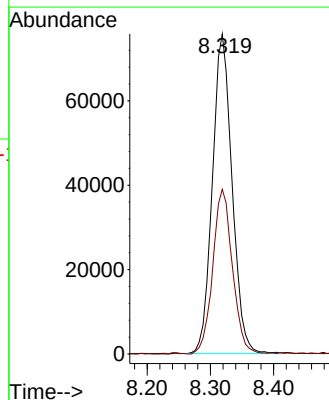
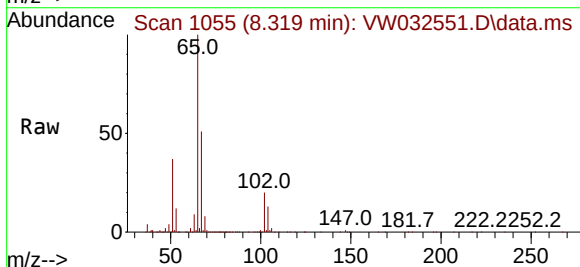
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

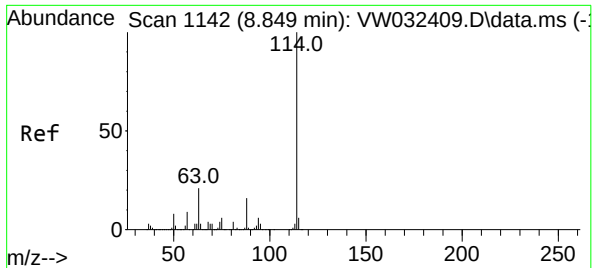
Tgt Ion:168 Resp: 189608
Ion Ratio Lower Upper
168 100
99 64.0 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 66.880 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 65 Resp: 163489
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.8

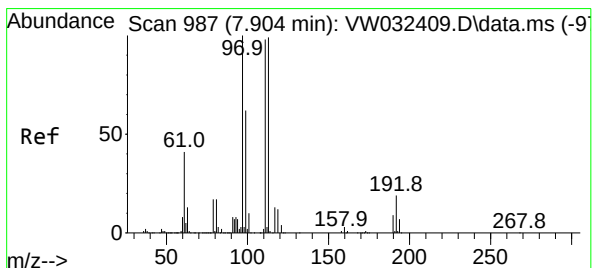
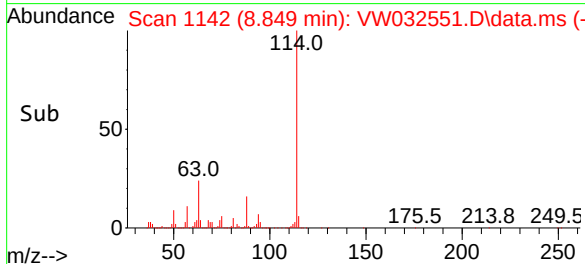
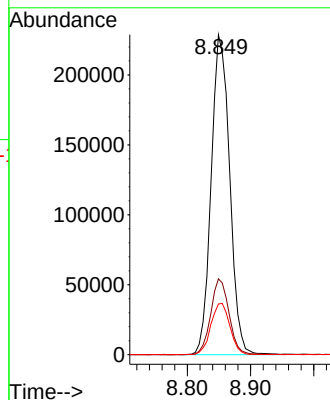
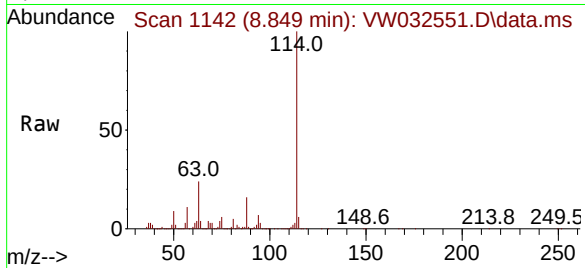




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

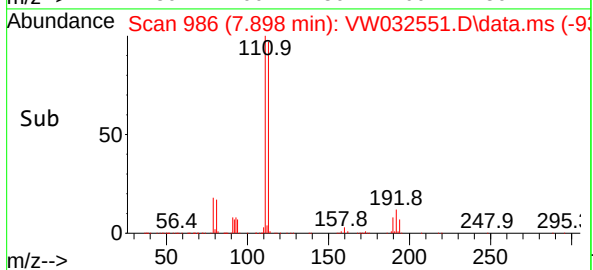
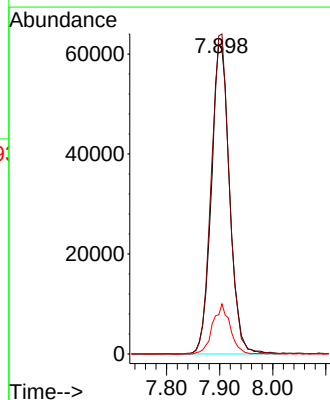
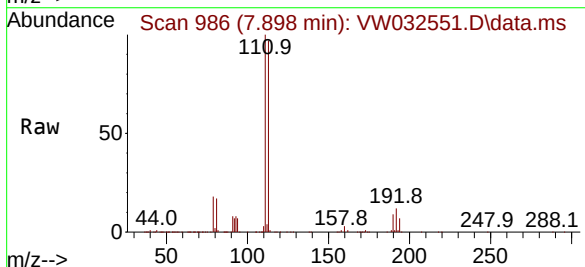
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

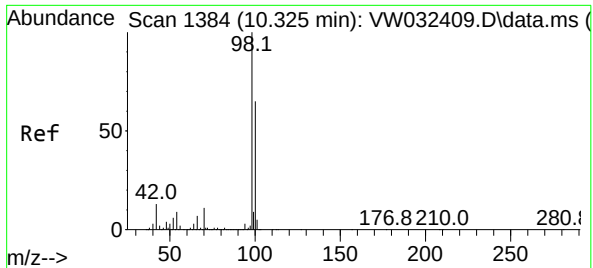
Tgt Ion:114 Resp: 463920
Ion Ratio Lower Upper
114 100
63 23.7 0.0 41.8
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.476 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion:113 Resp: 148536
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 15.3 13.4 20.2

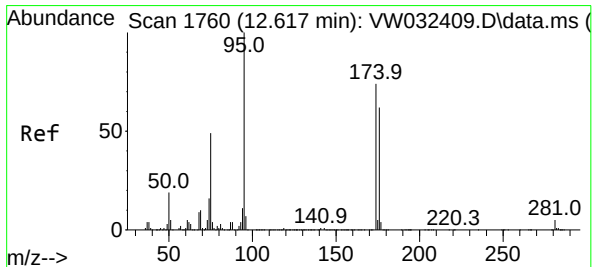
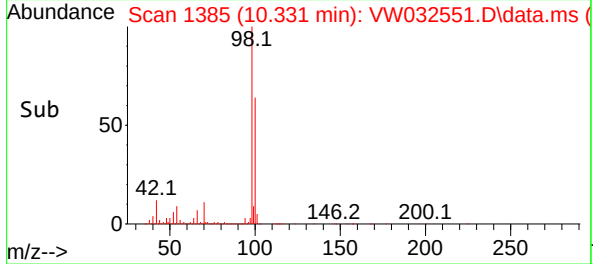
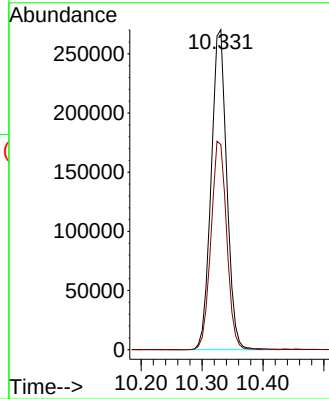
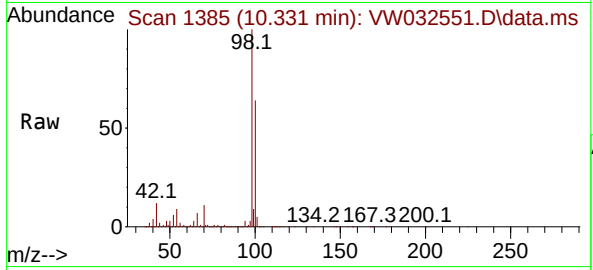




#50
Toluene-d8
Concen: 45.201 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

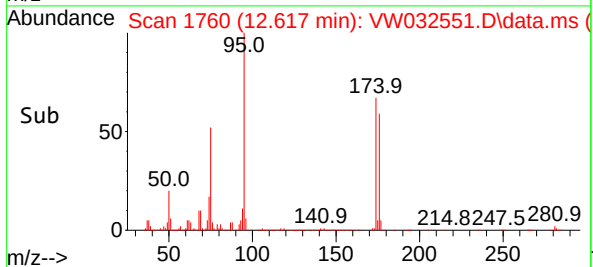
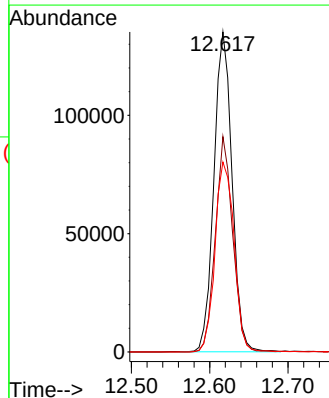
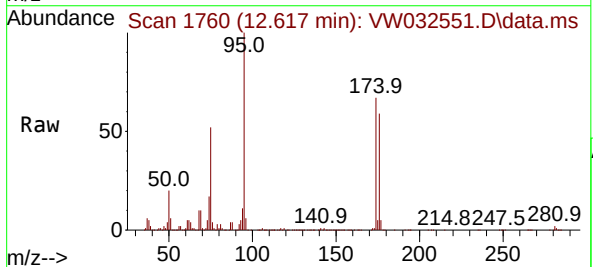
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

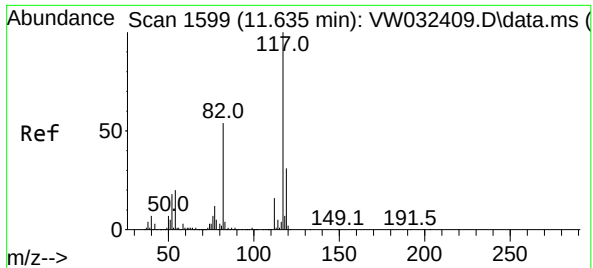
Tgt Ion: 98 Resp: 481649
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.901 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 62.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032551.D

Acq: 26 Nov 2025 17:55

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-16B

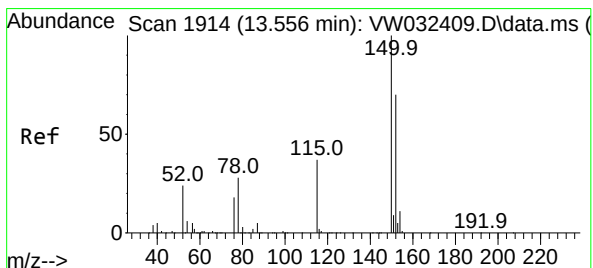
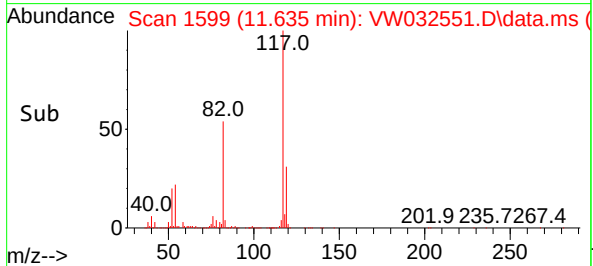
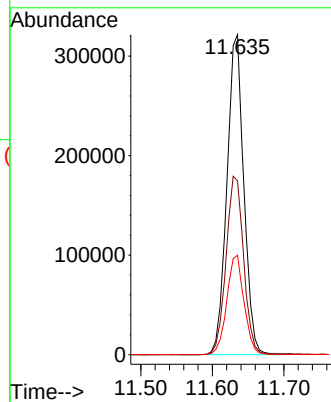
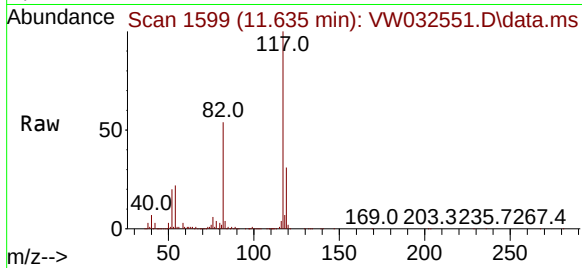
Tgt Ion:117 Resp: 526803

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.4

119 31.0 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032551.D

Acq: 26 Nov 2025 17:55

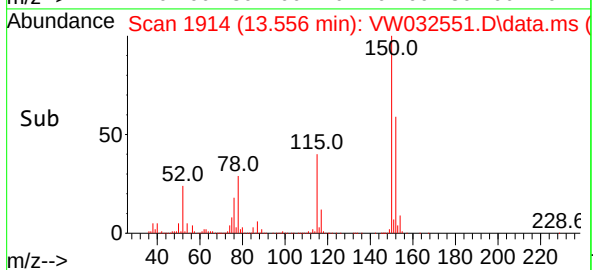
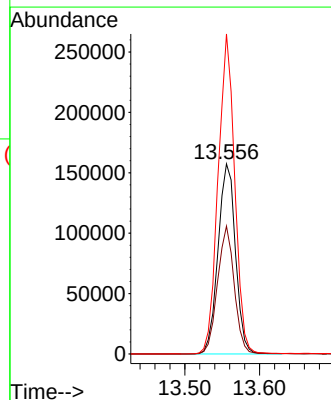
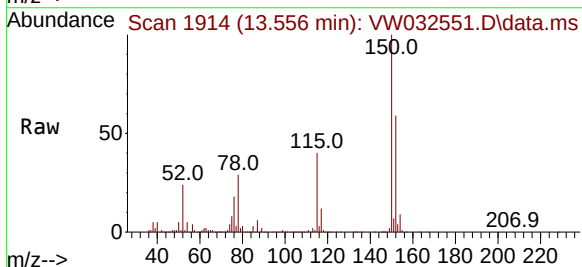
Tgt Ion:152 Resp: 256014

Ion Ratio Lower Upper

152 100

115 64.3 32.8 98.3

150 160.2 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032551.D
 Acq On : 26 Nov 2025 17:55
 Operator : SY/MD
 Sample : Q3719-12
 Misc : 4.51g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-16B

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032551.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	492	503	515	rBV3	16441	59970	3.53%	0.656%
2	5.978	660	671	680	rBV4	11689	35019	2.06%	0.383%
3	7.167	854	866	877	rBV	40824	124883	7.35%	1.367%
4	7.898	971	986	991	rBV	199563	491810	28.95%	5.383%
5	7.959	991	996	1010	rVB	267081	633297	37.28%	6.932%
6	8.264	1036	1046	1049	rBV2	48270	111420	6.56%	1.220%
7	8.319	1049	1055	1067	rVB	207051	458426	26.99%	5.018%
8	8.849	1134	1142	1158	rBV	565345	1152213	67.83%	12.612%
9	10.325	1375	1384	1394	rBV	725359	1313910	77.35%	14.382%
10	10.703	1438	1446	1453	rBV	48057	92676	5.46%	1.014%
11	11.062	1498	1505	1516	rBV	60274	107752	6.34%	1.179%
12	11.434	1561	1566	1570	rBV2	13440	22295	1.31%	0.244%
13	11.629	1589	1598	1610	rBV	985239	1681739	99.00%	18.408%
14	12.617	1751	1760	1771	rBV	630394	1053037	61.99%	11.526%
15	12.928	1806	1811	1819	rVB	17532	32182	1.89%	0.352%
16	13.403	1882	1889	1893	rBV2	13268	23254	1.37%	0.255%
17	13.556	1903	1914	1926	rBV	1042499	1698718	100.00%	18.594%
18	14.056	1989	1996	2001	rBV2	9650	19711	1.16%	0.216%
19	14.720	2095	2105	2113	rBV2	7327	23556	1.39%	0.258%

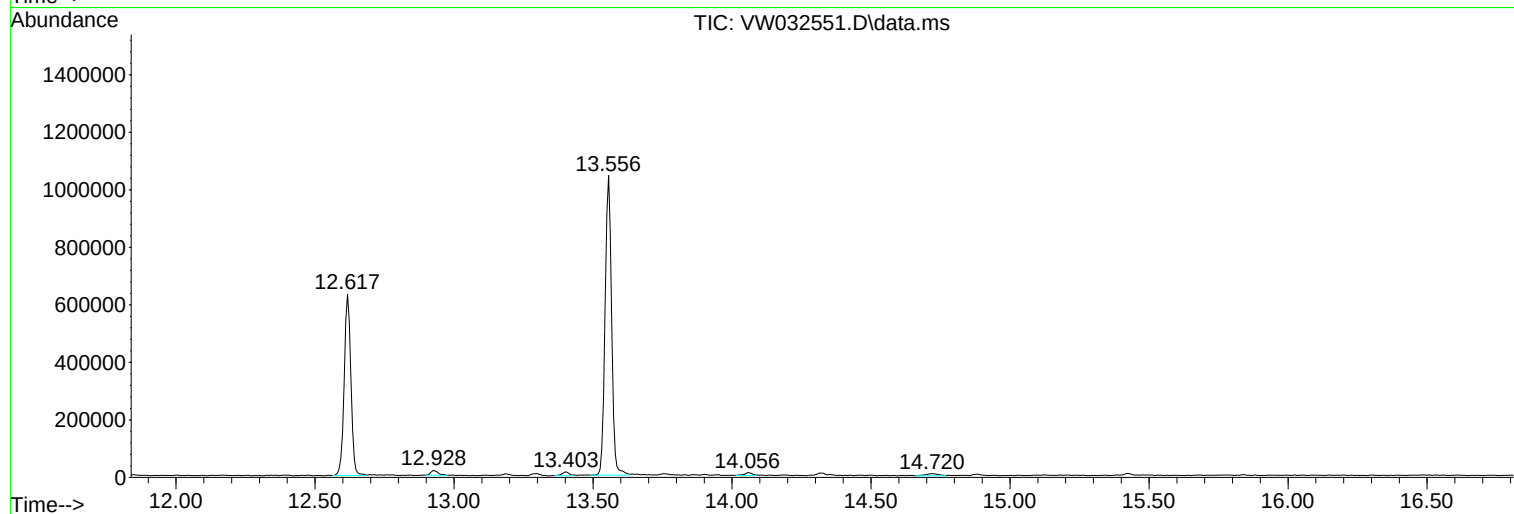
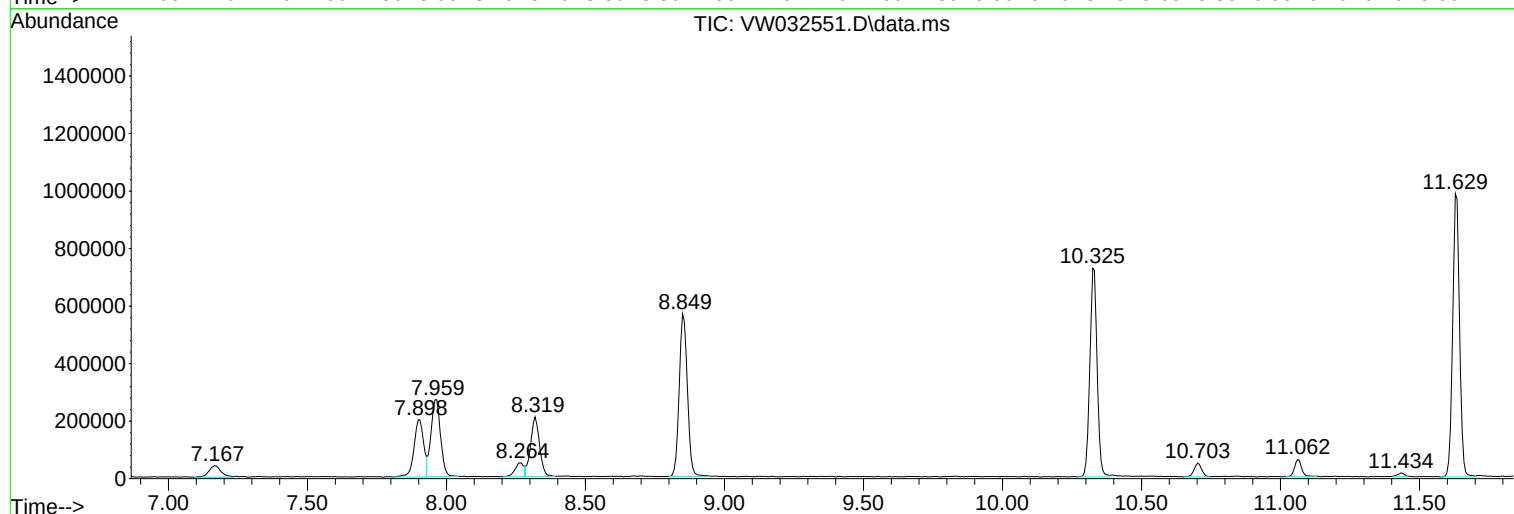
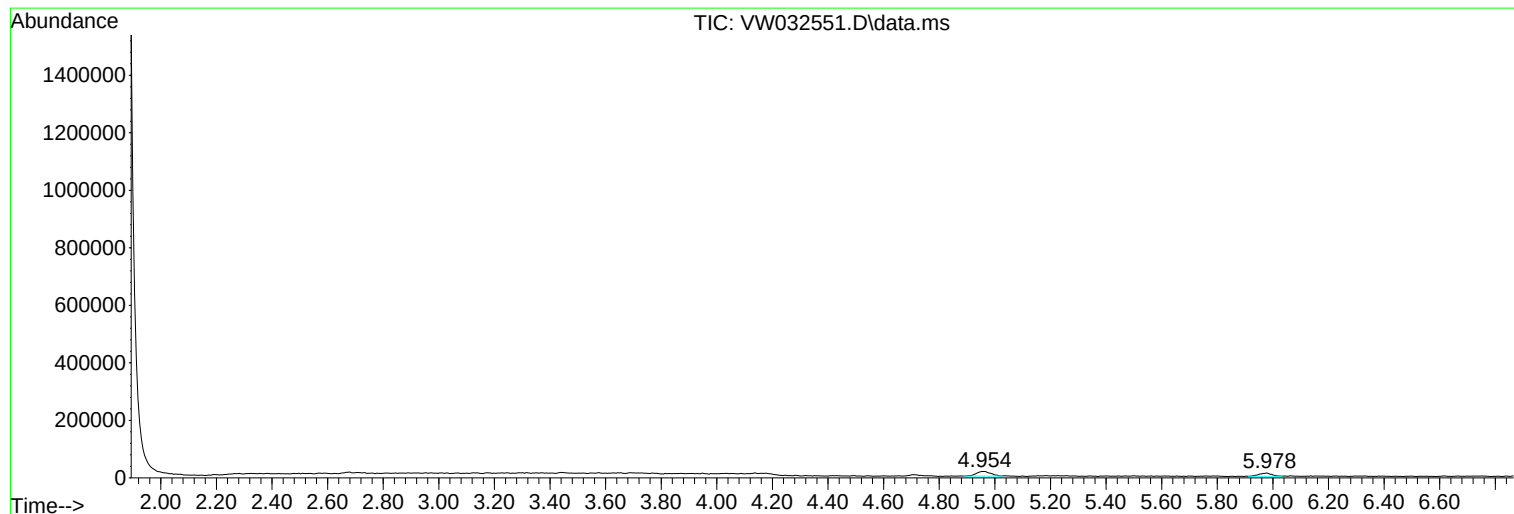
Sum of corrected areas: 9135868

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032551.D
Acq On : 26 Nov 2025 17:55
Operator : SY/MD
Sample : Q3719-12
Misc : 4.51g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032551.D
Acq On : 26 Nov 2025 17:55
Operator : SY/MD
Sample : Q3719-12
Misc : 4.51g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032551.D
Acq On : 26 Nov 2025 17:55
Operator : SY/MD
Sample : Q3719-12
Misc : 4.51g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-16B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: SB-1125-17A
 Lab Sample ID: Q3719-13
 Analytical Method: 8260D
 Sample Wt/Vol: 4.89 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/25/25
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 86.3
 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	5.90	ug/Kg	12/01/25 11:25	VY120125
74-87-3	Chloromethane	1.40	U	1	1.40	5.90	ug/Kg	12/01/25 11:25	VY120125
75-01-4	Vinyl Chloride	0.94	U	1	0.94	5.90	ug/Kg	12/01/25 11:25	VY120125
74-83-9	Bromomethane	1.30	U	1	1.30	5.90	ug/Kg	12/01/25 11:25	VY120125
75-00-3	Chloroethane	1.50	U	1	1.50	5.90	ug/Kg	12/01/25 11:25	VY120125
75-69-4	Trichlorofluoromethane	1.40	U	1	1.40	5.90	ug/Kg	12/01/25 11:25	VY120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1	1.30	5.90	ug/Kg	12/01/25 11:25	VY120125
75-35-4	1,1-Dichloroethene	1.20	U	1	1.20	5.90	ug/Kg	12/01/25 11:25	VY120125
67-64-1	Acetone	5.60	U	1	5.60	29.6	ug/Kg	12/01/25 11:25	VY120125
75-15-0	Carbon Disulfide	1.30	U	1	1.30	5.90	ug/Kg	12/01/25 11:25	VY120125
1634-04-4	Methyl tert-butyl Ether	0.86	U	1	0.86	5.90	ug/Kg	12/01/25 11:25	VY120125
79-20-9	Methyl Acetate	1.80	U	1	1.80	5.90	ug/Kg	12/01/25 11:25	VY120125
75-09-2	Methylene Chloride	4.20	U	1	4.20	11.8	ug/Kg	12/01/25 11:25	VY120125
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	1.00	5.90	ug/Kg	12/01/25 11:25	VY120125
75-34-3	1,1-Dichloroethane	0.95	U	1	0.95	5.90	ug/Kg	12/01/25 11:25	VY120125
110-82-7	Cyclohexane	0.94	U	1	0.94	5.90	ug/Kg	12/01/25 11:25	VY120125
78-93-3	2-Butanone	7.70	U	1	7.70	29.6	ug/Kg	12/01/25 11:25	VY120125
56-23-5	Carbon Tetrachloride	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
156-59-2	cis-1,2-Dichloroethene	0.89	U	1	0.89	5.90	ug/Kg	12/01/25 11:25	VY120125
74-97-5	Bromochloromethane	1.40	U	1	1.40	5.90	ug/Kg	12/01/25 11:25	VY120125
67-66-3	Chloroform	1.00	U	1	1.00	5.90	ug/Kg	12/01/25 11:25	VY120125
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
108-87-2	Methylcyclohexane	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
71-43-2	Benzene	0.94	U	1	0.94	5.90	ug/Kg	12/01/25 11:25	VY120125
107-06-2	1,2-Dichloroethane	0.94	U	1	0.94	5.90	ug/Kg	12/01/25 11:25	VY120125
79-01-6	Trichloroethene	0.96	U	1	0.96	5.90	ug/Kg	12/01/25 11:25	VY120125
78-87-5	1,2-Dichloropropane	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
75-27-4	Bromodichloromethane	0.92	U	1	0.92	5.90	ug/Kg	12/01/25 11:25	VY120125
108-10-1	4-Methyl-2-Pentanone	4.20	U	1	4.20	29.6	ug/Kg	12/01/25 11:25	VY120125
108-88-3	Toluene	0.92	U	1	0.92	5.90	ug/Kg	12/01/25 11:25	VY120125
10061-02-6	t-1,3-Dichloropropene	0.77	U	1	0.77	5.90	ug/Kg	12/01/25 11:25	VY120125
10061-01-5	cis-1,3-Dichloropropene	0.73	U	1	0.73	5.90	ug/Kg	12/01/25 11:25	VY120125
79-00-5	1,1,2-Trichloroethane	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
591-78-6	2-Hexanone	4.40	U	1	4.40	29.6	ug/Kg	12/01/25 11:25	VY120125
124-48-1	Dibromochloromethane	1.00	U	1	1.00	5.90	ug/Kg	12/01/25 11:25	VY120125
106-93-4	1,2-Dibromoethane	1.00	U	1	1.00	5.90	ug/Kg	12/01/25 11:25	VY120125
127-18-4	Tetrachloroethene	1.20	U	1	1.20	5.90	ug/Kg	12/01/25 11:25	VY120125
108-90-7	Chlorobenzene	1.10	U	1	1.10	5.90	ug/Kg	12/01/25 11:25	VY120125
100-41-4	Ethyl Benzene	0.79	U	1	0.79	5.90	ug/Kg	12/01/25 11:25	VY120125
179601-23-1	m/p-Xylenes	1.50	U	1	1.50	11.8	ug/Kg	12/01/25 11:25	VY120125
95-47-6	o-Xylene	0.97	U	1	0.97	5.90	ug/Kg	12/01/25 11:25	VY120125
100-42-5	Styrene	0.84	U	1	0.84	5.90	ug/Kg	12/01/25 11:25	VY120125
75-25-2	Bromoform	1.00	U	1	1.00	5.90	ug/Kg	12/01/25 11:25	VY120125



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-17A	SDG No.:	Q3719
Lab Sample ID:	Q3719-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	4.89 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.92	U	1	0.92	5.90	ug/Kg	12/01/25 11:25	VY120125
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1	1.40	5.90	ug/Kg	12/01/25 11:25	VY120125
541-73-1	1,3-Dichlorobenzene	2.00	U	1	2.00	5.90	ug/Kg	12/01/25 11:25	VY120125
106-46-7	1,4-Dichlorobenzene	1.80	U	1	1.80	5.90	ug/Kg	12/01/25 11:25	VY120125
95-50-1	1,2-Dichlorobenzene	1.70	U	1	1.70	5.90	ug/Kg	12/01/25 11:25	VY120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	1	2.20	5.90	ug/Kg	12/01/25 11:25	VY120125
120-82-1	1,2,4-Trichlorobenzene	3.50	U	1	3.50	5.90	ug/Kg	12/01/25 11:25	VY120125
87-61-6	1,2,3-Trichlorobenzene	3.80	U	1	3.80	5.90	ug/Kg	12/01/25 11:25	VY120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.8			63 - 155	128%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.9			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	50.4			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.6			52 - 138	87%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	710000							
540-36-3	1,4-Difluorobenzene	1310000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	428000							

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 : VY023834.D
Acq On : 01 Dec 2025 11:25
Operator : SY/MD
Sample : Q3719-13
Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

Quant Time: Dec 02 03:15:02 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	710245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1310532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1122921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	427893	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	441595	63.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.680%
35) Dibromofluoromethane	7.640	113	426470	54.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.109	98	1552670	50.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.408	95	442861	43.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.300%

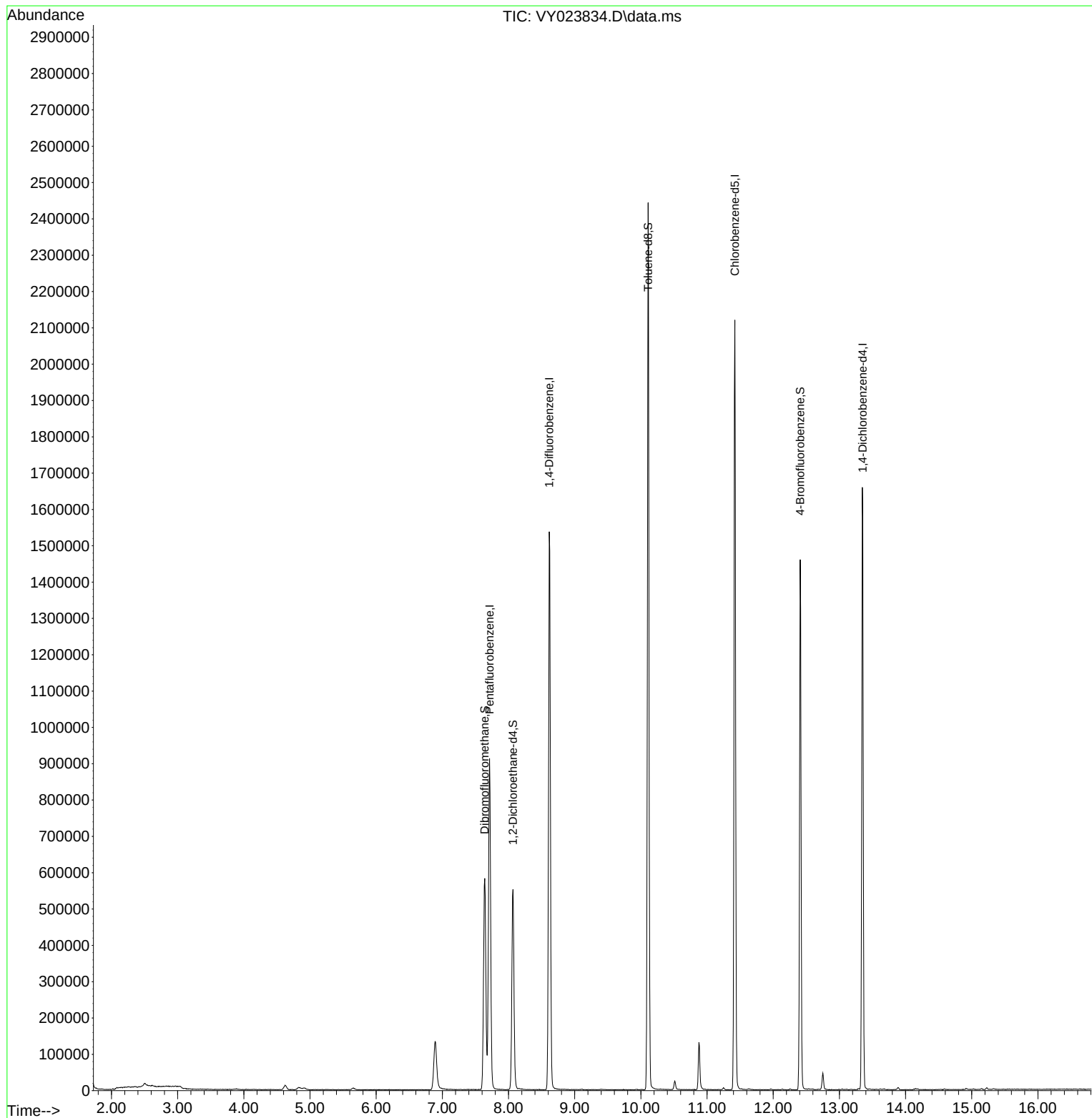
Target Compounds	Qvalue

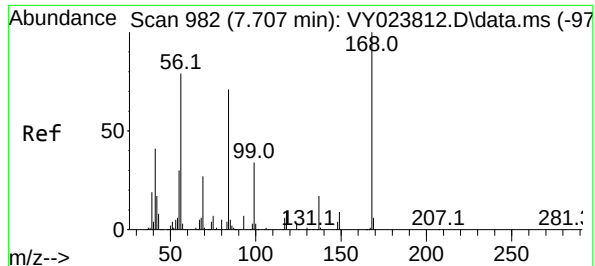
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023834.D
Acq On : 01 Dec 2025 11:25
Operator : SY/MD
Sample : Q3719-13
Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

Quant Time: Dec 02 03:15:02 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

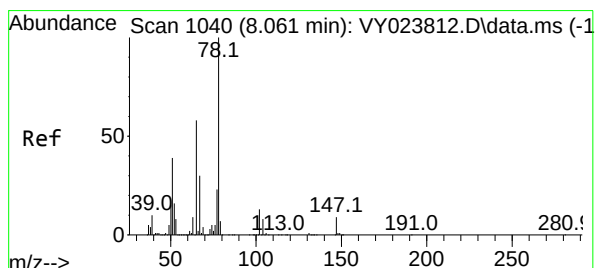
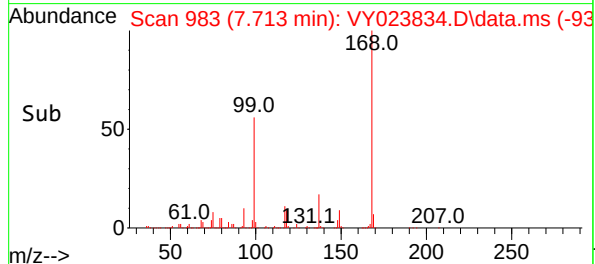
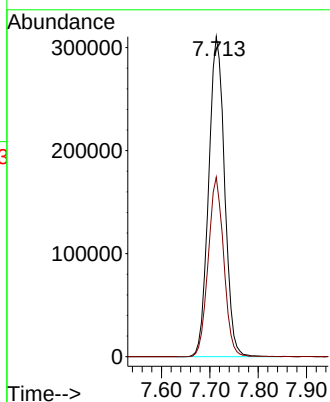
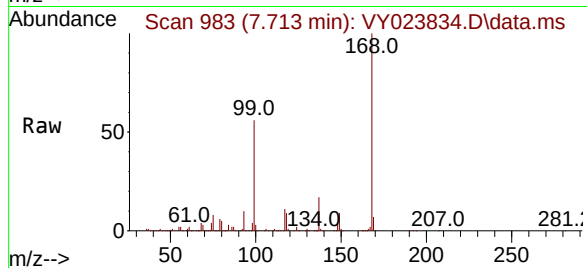




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

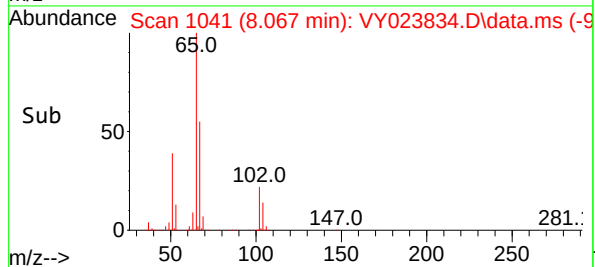
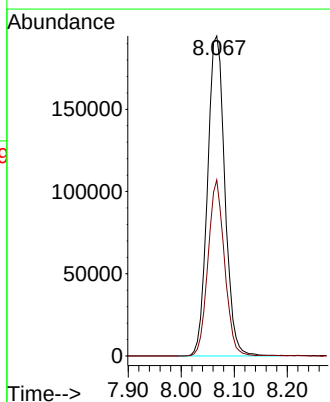
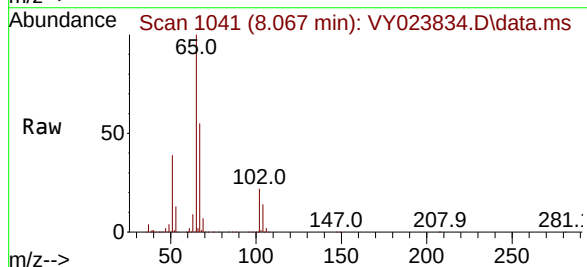
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

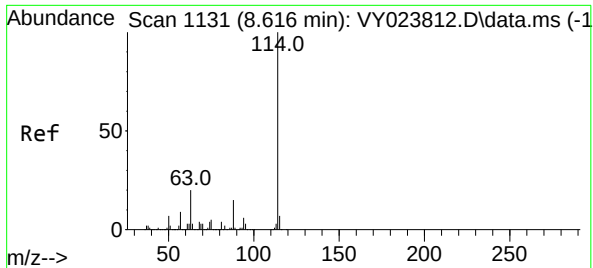
Tgt Ion:168 Resp: 710245
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 63.845 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 65 Resp: 441595
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

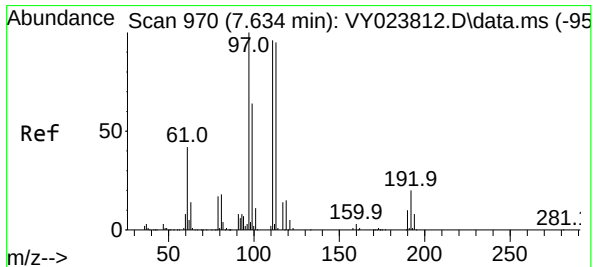
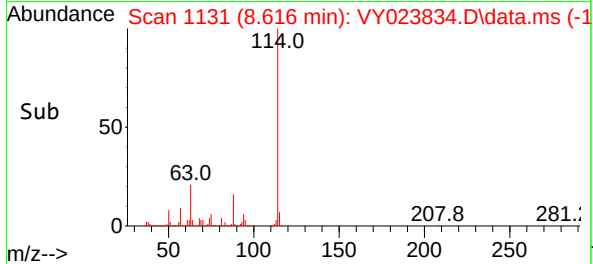
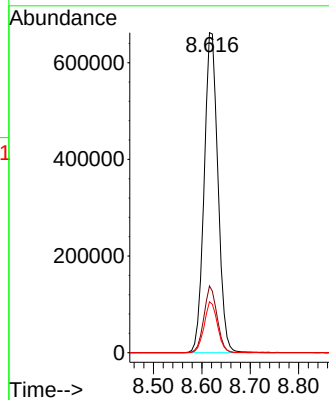
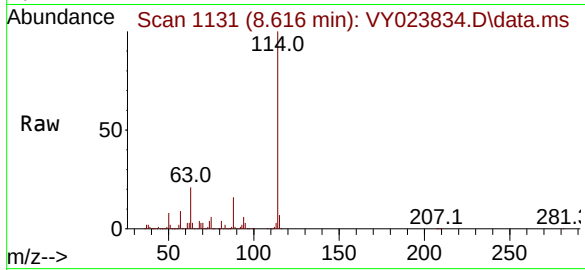




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

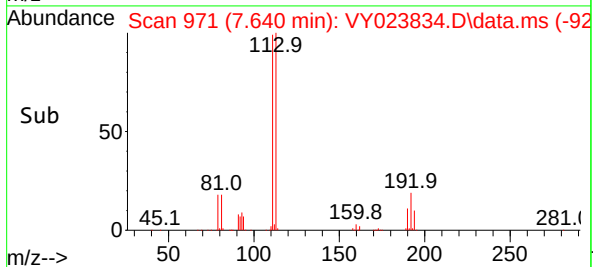
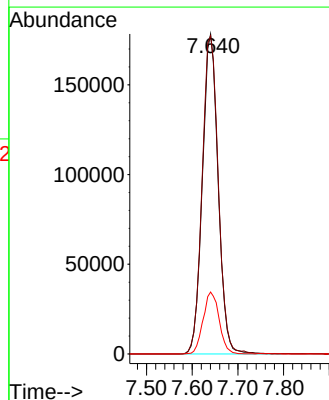
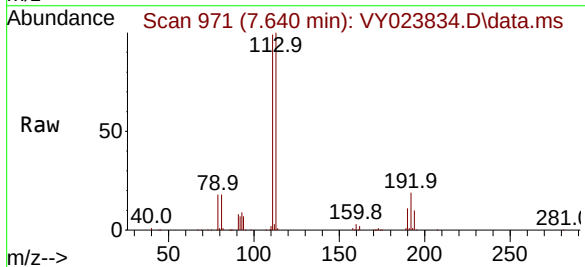
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

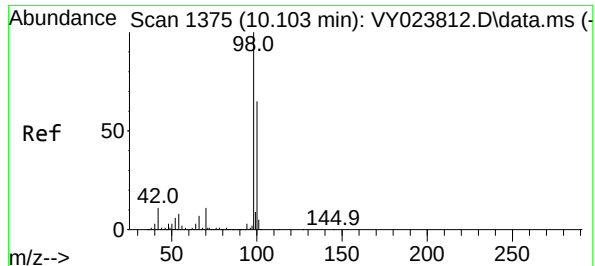
Tgt Ion:114 Resp: 1310532
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.4
88 15.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.933 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion:113 Resp: 426470
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.7 15.8 23.8





#50

Toluene-d8

Concen: 50.352 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

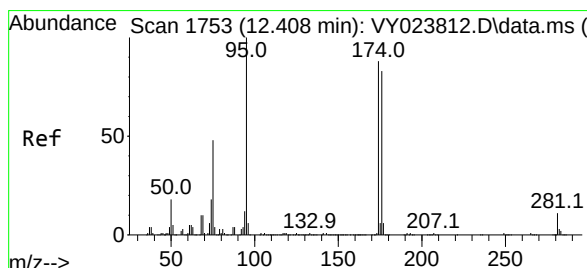
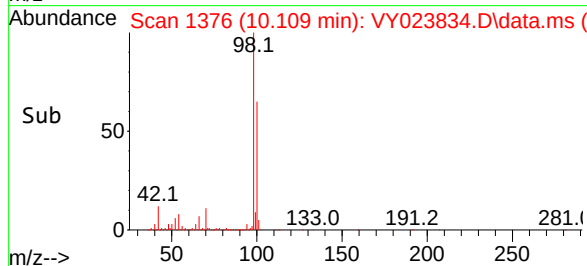
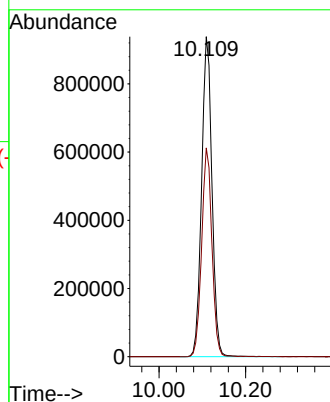
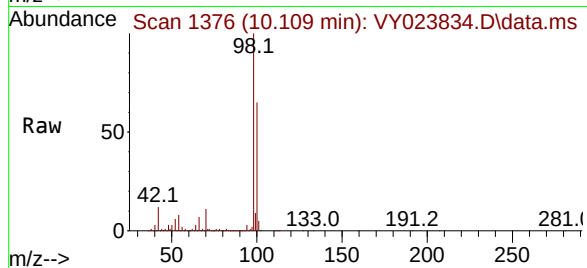
SB-1125-17A

Tgt Ion: 98 Resp: 1552670

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.648 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

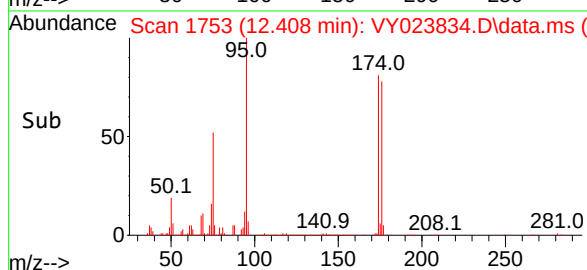
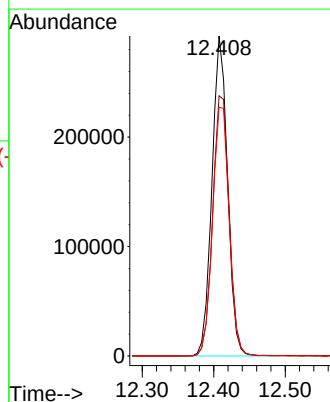
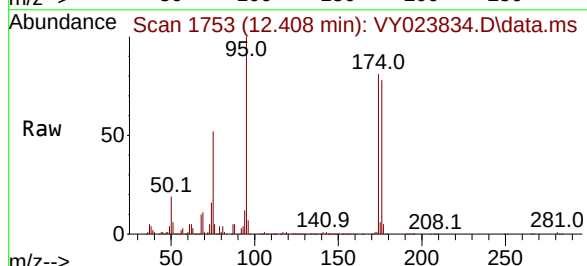
Tgt Ion: 95 Resp: 442861

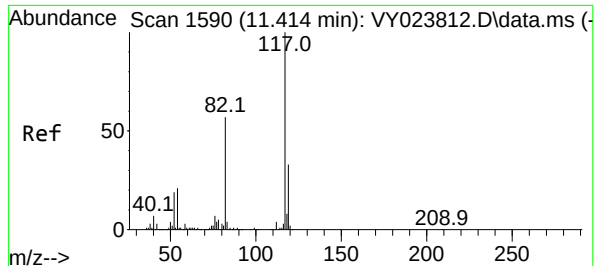
Ion Ratio Lower Upper

95 100

174 86.3 0.0 168.6

176 83.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-17A

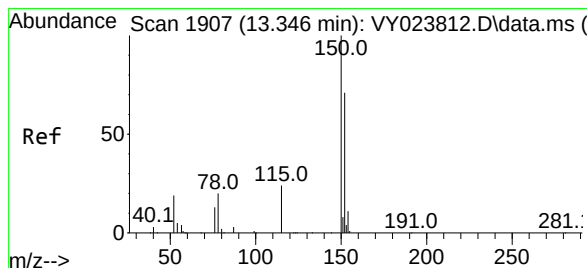
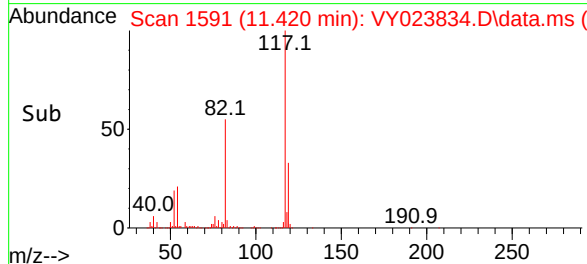
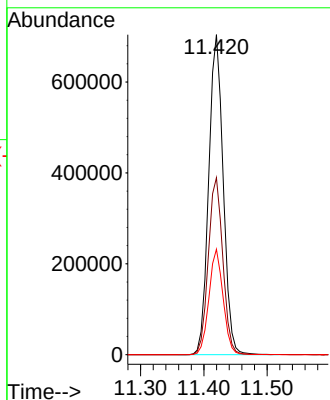
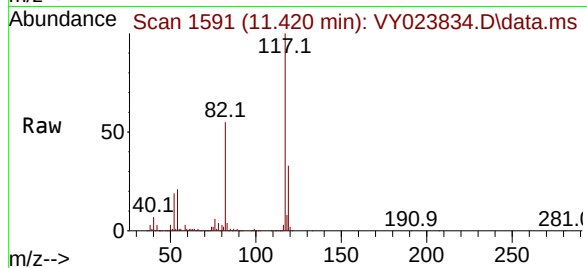
Tgt Ion:117 Resp: 1122921

Ion Ratio Lower Upper

117 100

82 55.3 45.4 68.0

119 33.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

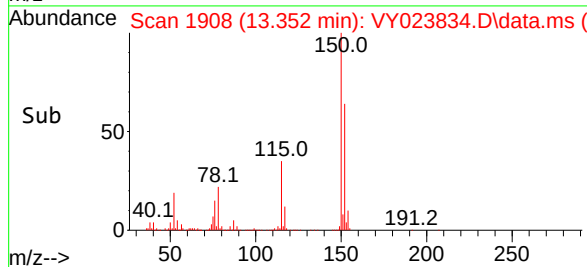
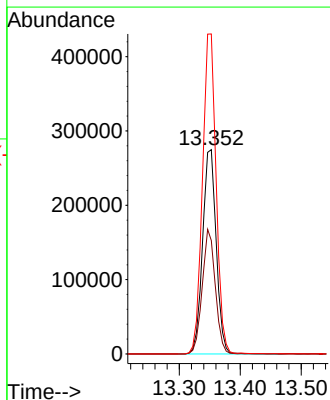
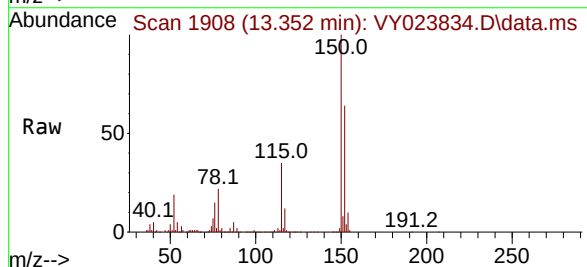
Tgt Ion:152 Resp: 427893

Ion Ratio Lower Upper

152 100

115 58.4 28.7 86.3

150 156.9 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023834.D
 Acq On : 01 Dec 2025 11:25
 Operator : SY/MD
 Sample : Q3719-13
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-17A

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: VY023834.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	838	848	866	rBV	132420	425952	10.45%	2.045%
2	7.640	961	971	977	rBV	581700	1412919	34.67%	6.782%
3	7.713	977	983	997	rVB	909994	2055648	50.45%	9.867%
4	8.067	1030	1041	1053	rBV	551540	1248403	30.64%	5.992%
5	8.616	1122	1131	1145	rBV	1536220	3003585	73.71%	14.417%
6	10.109	1367	1376	1398	rBV	2442295	4074996	100.00%	19.560%
7	10.512	1436	1442	1451	rBV2	23247	41554	1.02%	0.199%
8	10.877	1496	1502	1513	rBV	130493	226391	5.56%	1.087%
9	11.420	1583	1591	1606	rBV	2118653	3410125	83.68%	16.368%
10	12.408	1746	1753	1766	rBV	1459578	2305716	56.58%	11.067%
11	12.749	1801	1809	1815	rBV	45392	76975	1.89%	0.369%
12	13.346	1900	1907	1921	rVB	1657517	2551482	62.61%	12.247%

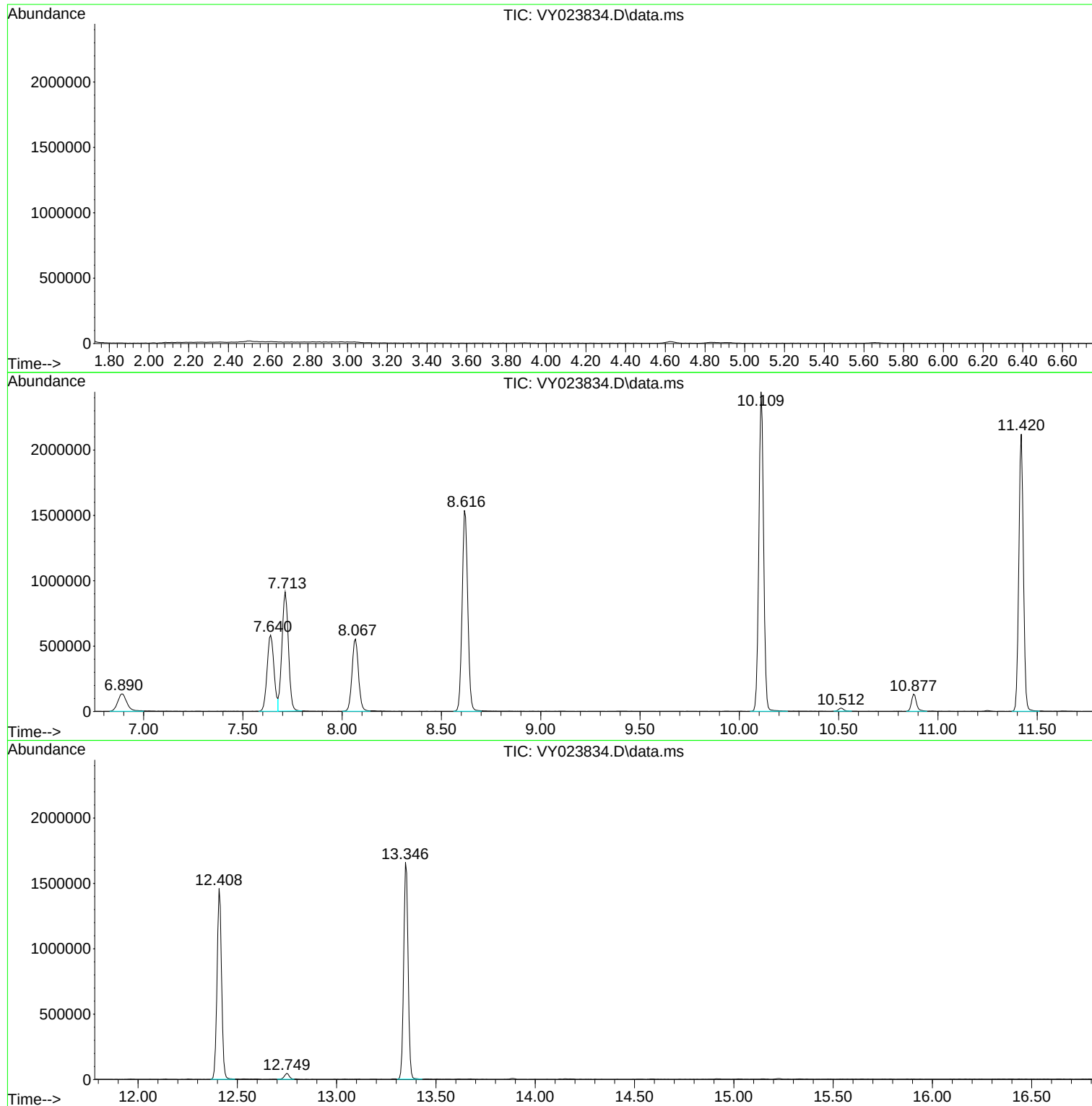
Sum of corrected areas: 20833746

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023834.D
Acq On : 01 Dec 2025 11:25
Operator : SY/MD
Sample : Q3719-13
Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

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 : VY023834.D
Acq On : 01 Dec 2025 11:25
Operator : SY/MD
Sample : Q3719-13
Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

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 : VY023834.D
Acq On : 01 Dec 2025 11:25
Operator : SY/MD
Sample : Q3719-13
Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: SB-1125-17B
Lab Sample ID: Q3719-14
Analytical Method: 8260D
Sample Wt/Vol: 4.27 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/25/25
SDG No.: Q3719
Matrix: SOIL
% Solid: 84.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60	U	1	1.60	6.90	ug/Kg	11/26/25 19:23	VW112625
74-87-3	Chloromethane	1.60	U	1	1.60	6.90	ug/Kg	11/26/25 19:23	VW112625
75-01-4	Vinyl Chloride	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
74-83-9	Bromomethane	1.50	U	1	1.50	6.90	ug/Kg	11/26/25 19:23	VW112625
75-00-3	Chloroethane	1.80	U	1	1.80	6.90	ug/Kg	11/26/25 19:23	VW112625
75-69-4	Trichlorofluoromethane	1.70	U	1	1.70	6.90	ug/Kg	11/26/25 19:23	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	UQ	1	1.50	6.90	ug/Kg	11/26/25 19:23	VW112625
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	6.90	ug/Kg	11/26/25 19:23	VW112625
67-64-1	Acetone	96.6		1	6.60	34.7	ug/Kg	11/26/25 19:23	VW112625
75-15-0	Carbon Disulfide	1.50	U	1	1.50	6.90	ug/Kg	11/26/25 19:23	VW112625
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	1.00	6.90	ug/Kg	11/26/25 19:23	VW112625
79-20-9	Methyl Acetate	2.10	U	1	2.10	6.90	ug/Kg	11/26/25 19:23	VW112625
75-09-2	Methylene Chloride	4.90	U	1	4.90	13.9	ug/Kg	11/26/25 19:23	VW112625
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	6.90	ug/Kg	11/26/25 19:23	VW112625
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
110-82-7	Cyclohexane	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
78-93-3	2-Butanone	25.7	J	1	9.10	34.7	ug/Kg	11/26/25 19:23	VW112625
56-23-5	Carbon Tetrachloride	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	1.00	6.90	ug/Kg	11/26/25 19:23	VW112625
74-97-5	Bromochloromethane	1.60	U	1	1.60	6.90	ug/Kg	11/26/25 19:23	VW112625
67-66-3	Chloroform	1.20	U	1	1.20	6.90	ug/Kg	11/26/25 19:23	VW112625
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
108-87-2	Methylcyclohexane	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
71-43-2	Benzene	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
79-01-6	Trichloroethene	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
75-27-4	Bromodichloromethane	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	5.00	34.7	ug/Kg	11/26/25 19:23	VW112625
108-88-3	Toluene	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
10061-02-6	t-1,3-Dichloropropene	0.90	U	1	0.90	6.90	ug/Kg	11/26/25 19:23	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.86	U	1	0.86	6.90	ug/Kg	11/26/25 19:23	VW112625
79-00-5	1,1,2-Trichloroethane	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
591-78-6	2-Hexanone	5.10	U	1	5.10	34.7	ug/Kg	11/26/25 19:23	VW112625
124-48-1	Dibromochloromethane	1.20	U	1	1.20	6.90	ug/Kg	11/26/25 19:23	VW112625
106-93-4	1,2-Dibromoethane	1.20	U	1	1.20	6.90	ug/Kg	11/26/25 19:23	VW112625
127-18-4	Tetrachloroethene	1.50	U	1	1.50	6.90	ug/Kg	11/26/25 19:23	VW112625
108-90-7	Chlorobenzene	1.30	U	1	1.30	6.90	ug/Kg	11/26/25 19:23	VW112625
100-41-4	Ethyl Benzene	0.93	U	1	0.93	6.90	ug/Kg	11/26/25 19:23	VW112625
179601-23-1	m/p-Xylenes	1.70	U	1	1.70	13.9	ug/Kg	11/26/25 19:23	VW112625
95-47-6	o-Xylene	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
100-42-5	Styrene	0.99	U	1	0.99	6.90	ug/Kg	11/26/25 19:23	VW112625
75-25-2	Bromoform	1.20	U	1	1.20	6.90	ug/Kg	11/26/25 19:23	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-17B	SDG No.:	Q3719
Lab Sample ID:	Q3719-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.3
Sample Wt/Vol:	4.27 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	6.90	ug/Kg	11/26/25 19:23	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	1.70	6.90	ug/Kg	11/26/25 19:23	VW112625
541-73-1	1,3-Dichlorobenzene	2.40	U	1	2.40	6.90	ug/Kg	11/26/25 19:23	VW112625
106-46-7	1,4-Dichlorobenzene	2.20	U	1	2.20	6.90	ug/Kg	11/26/25 19:23	VW112625
95-50-1	1,2-Dichlorobenzene	2.00	U	1	2.00	6.90	ug/Kg	11/26/25 19:23	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	1	2.60	6.90	ug/Kg	11/26/25 19:23	VW112625
120-82-1	1,2,4-Trichlorobenzene	4.10	U	1	4.10	6.90	ug/Kg	11/26/25 19:23	VW112625
87-61-6	1,2,3-Trichlorobenzene	4.40	U	1	4.40	6.90	ug/Kg	11/26/25 19:23	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.2			70 - 134	96%	SPK: 50		
2037-26-5	Toluene-d8	45.5			74 - 123	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.6			52 - 138	119%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	212000							
540-36-3	1,4-Difluorobenzene	543000							
3114-55-4	Chlorobenzene-d5	642000							
3855-82-1	1,4-Dichlorobenzene-d4	328000							

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_W\Data\VW112625\
 Data File : VW032555.D
 Acq On : 26 Nov 2025 19:23
 Operator : SY/MD
 Sample : Q3719-14
 Misc : 4.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-17B

Quant Time: Nov 27 00:32:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

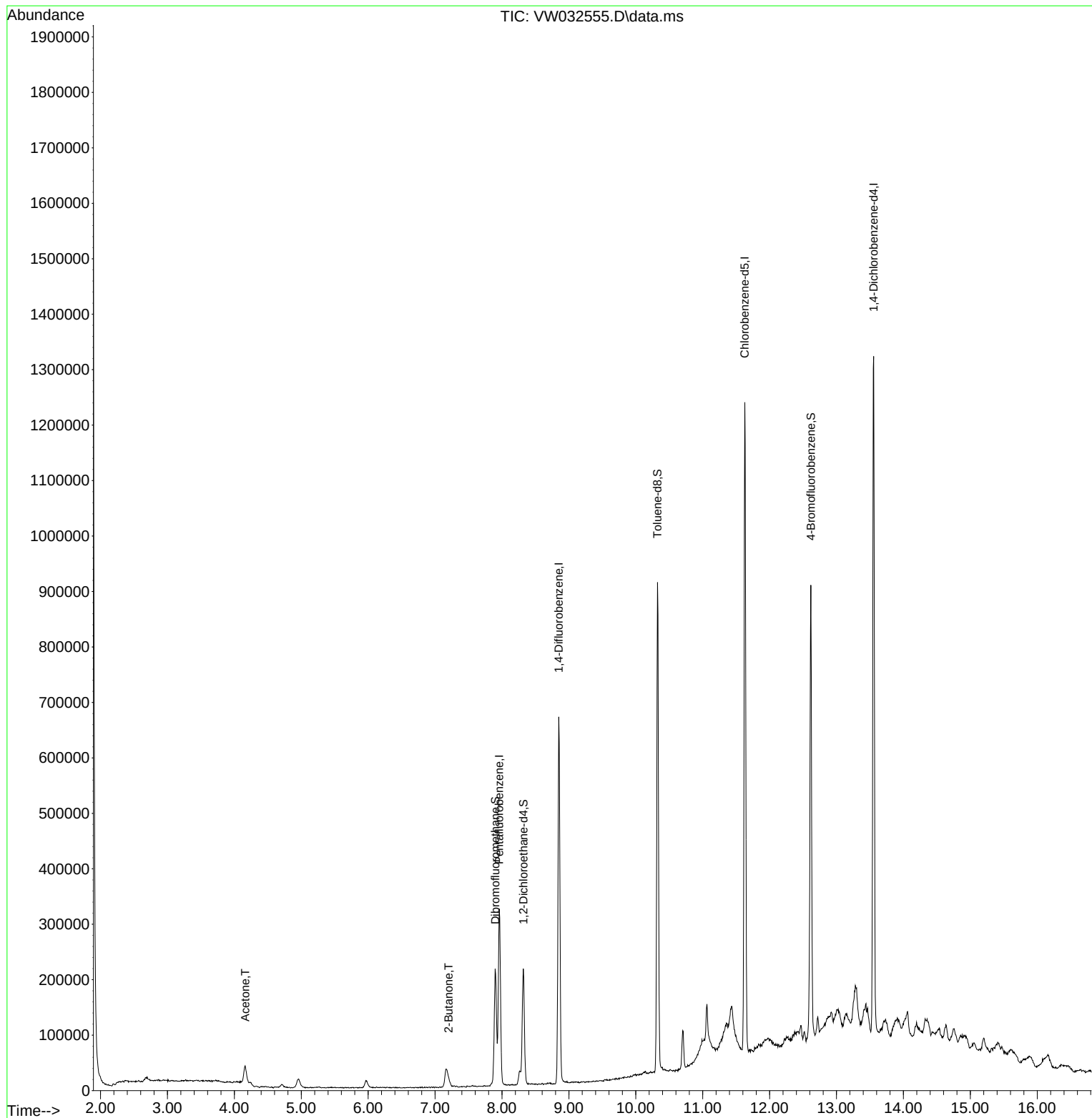
Internal Standards						
1) Pentafluorobenzene	7.959	168	212464	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	543417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	642461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	328212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169877	62.018	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	124.040%
35) Dibromofluoromethane	7.898	113	156833	48.203	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.400%
50) Toluene-d8	10.324	98	568078	45.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.617	95	281208	59.640	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	119.280%
Target Compounds						Qvalue
16) Acetone	4.161	43	57001	69.557	ug/l	91
25) 2-Butanone	7.203	43	22298	18.469	ug/l #	87

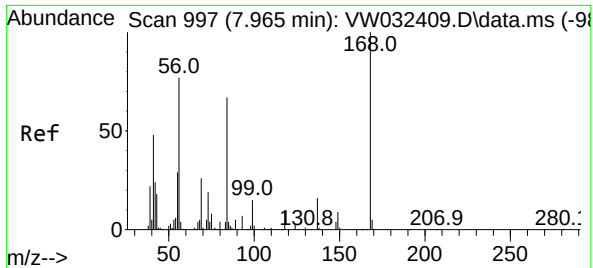
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032555.D
Acq On : 26 Nov 2025 19:23
Operator : SY/MD
Sample : Q3719-14
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

Quant Time: Nov 27 00:32:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

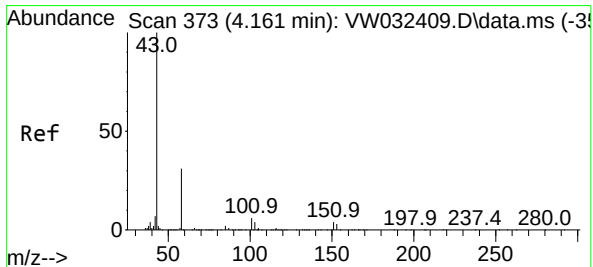
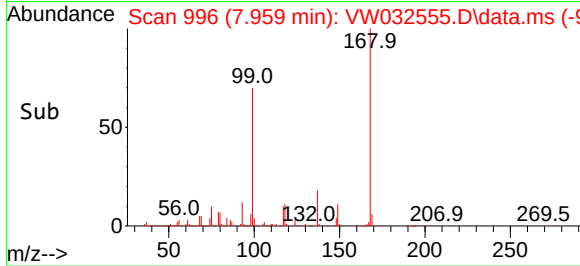
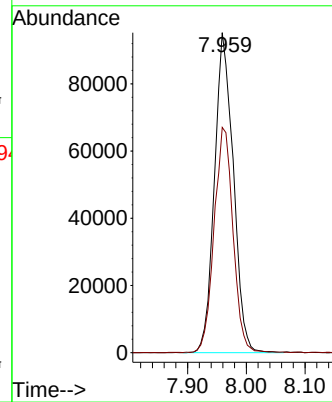
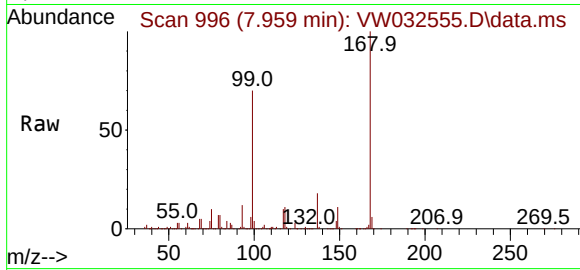




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

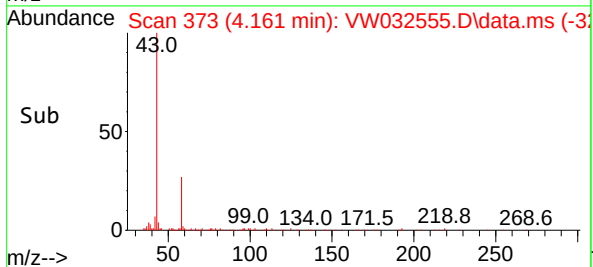
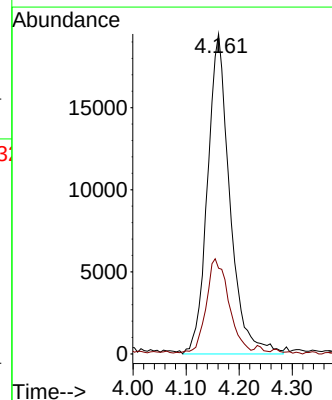
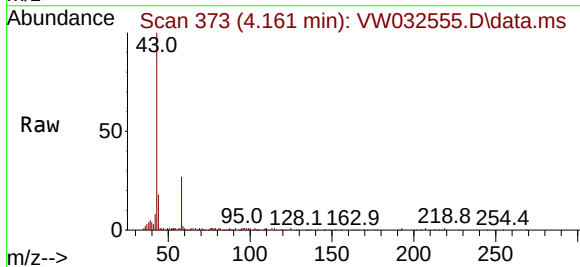
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

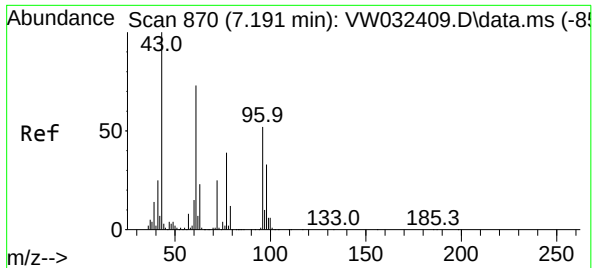
Tgt Ion:168 Resp: 212464
Ion Ratio Lower Upper
168 100
99 70.3 45.4 68.2#



#16
Acetone
Concen: 69.557 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

Tgt Ion: 43 Resp: 57001
Ion Ratio Lower Upper
43 100
58 26.2 24.8 37.2

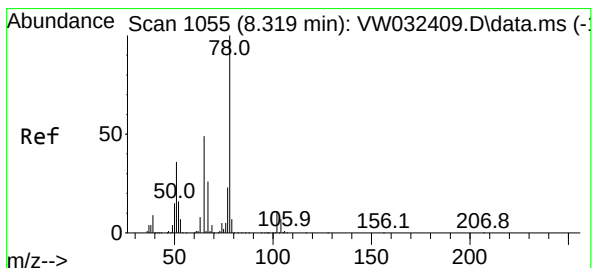
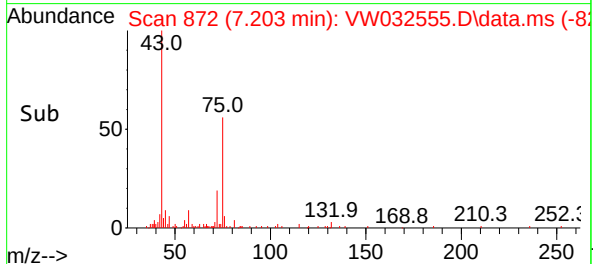
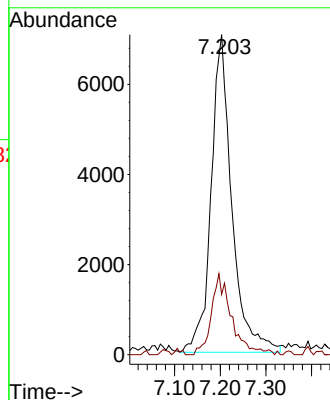
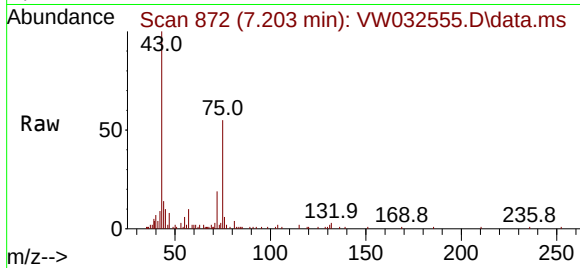




#25
2-Butanone
Concen: 18.469 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

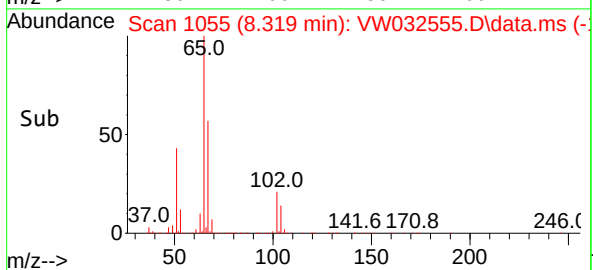
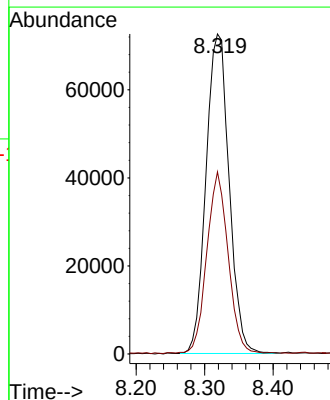
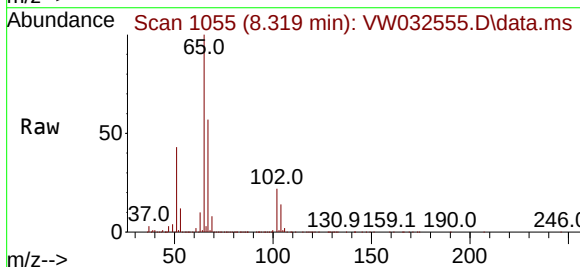
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

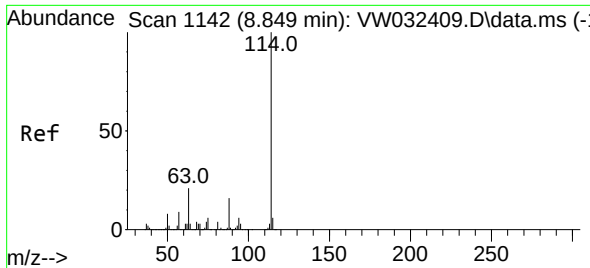
Tgt Ion: 43 Resp: 22298
Ion Ratio Lower Upper
43 100
72 18.3 20.0 30.0#



#33
1,2-Dichloroethane-d4
Concen: 62.018 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

Tgt Ion: 65 Resp: 169877
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

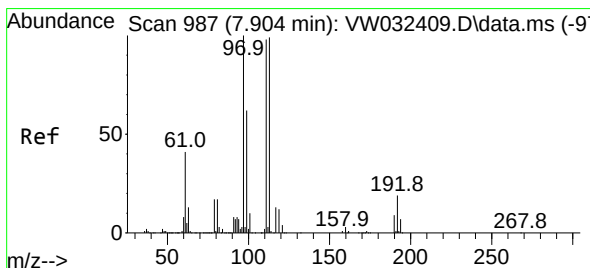
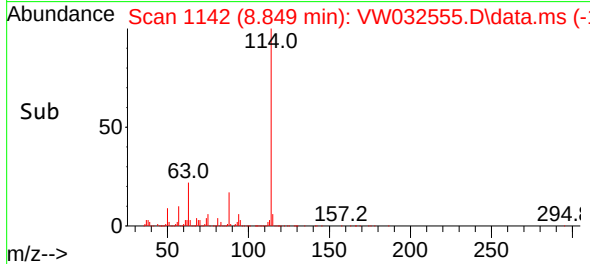
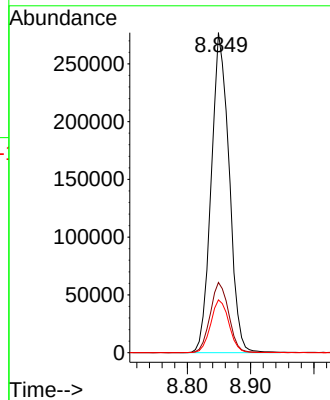
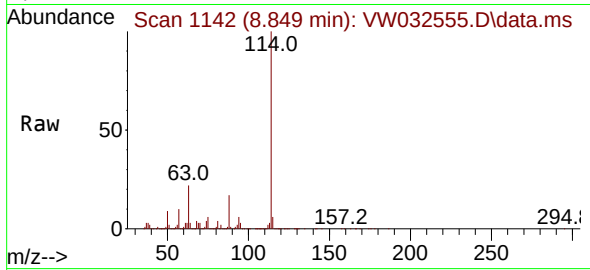




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

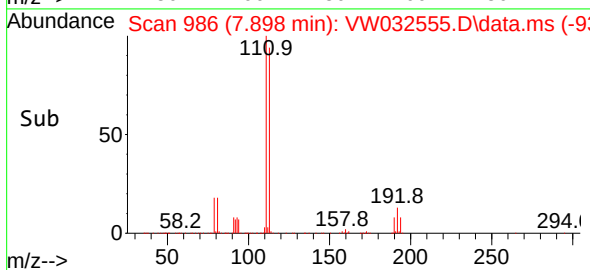
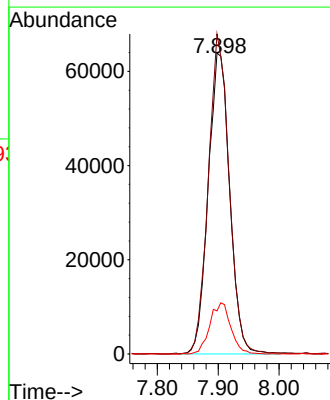
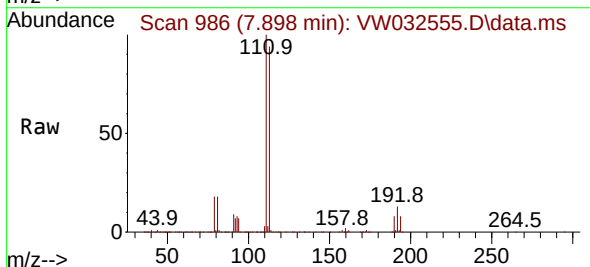
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

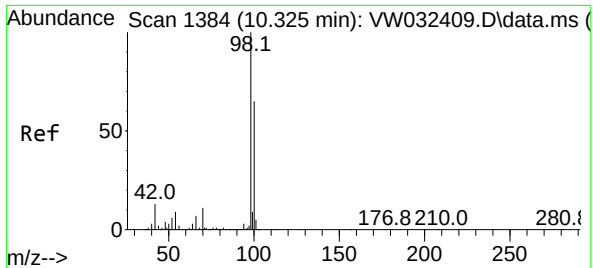
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	16.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 48.203 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	16.6	13.4	20.2

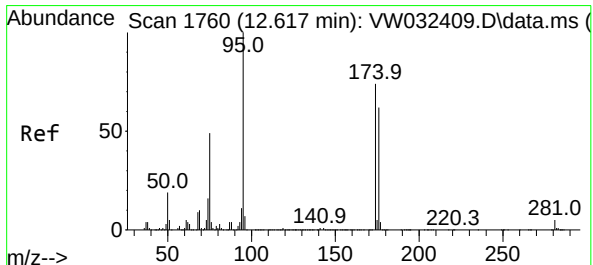
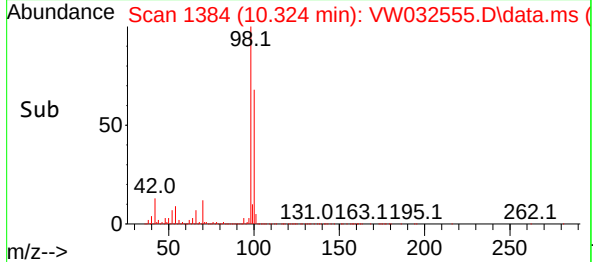
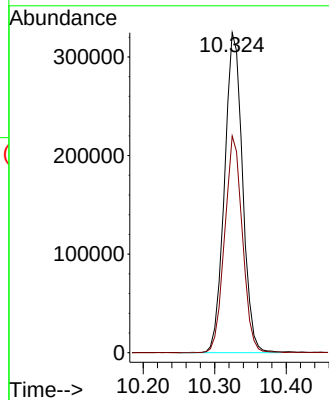
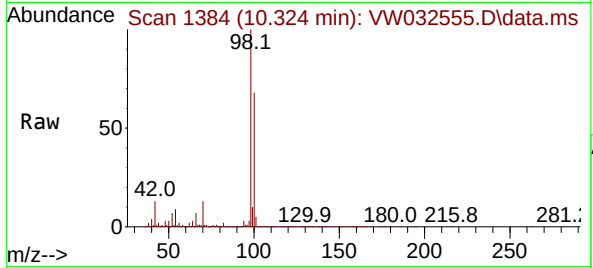




#50
Toluene-d8
Concen: 45.513 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

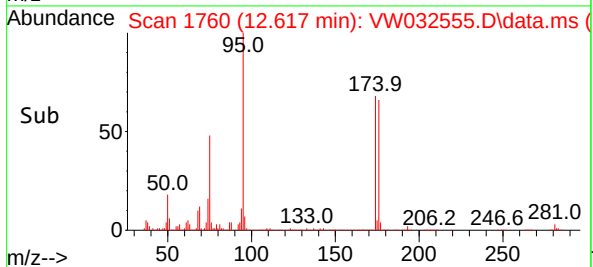
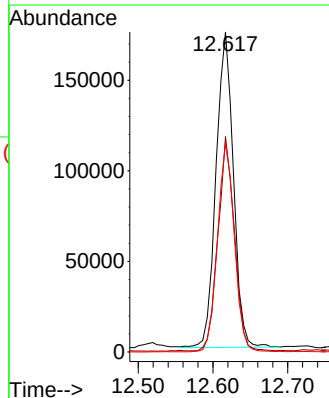
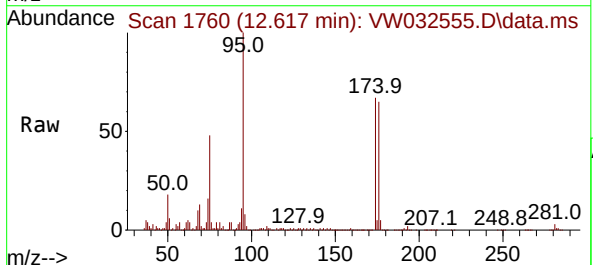
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

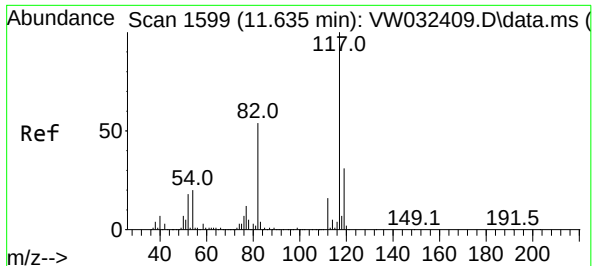
Tgt Ion: 98 Resp: 568078
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.640 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032555.D
Acq: 26 Nov 2025 19:23

Tgt Ion: 95 Resp: 281208
Ion Ratio Lower Upper
95 100
174 64.7 0.0 135.4
176 64.3 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VW032555.D

Acq: 26 Nov 2025 19:23

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-17B

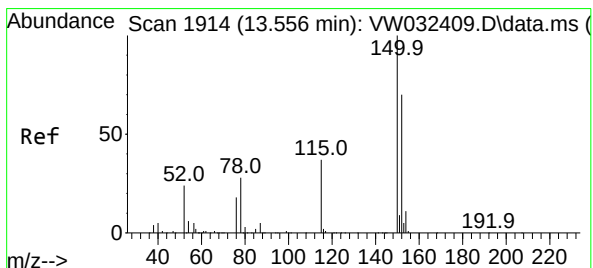
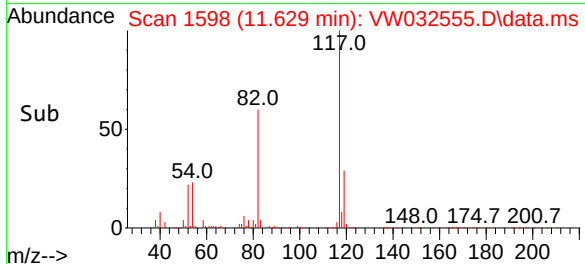
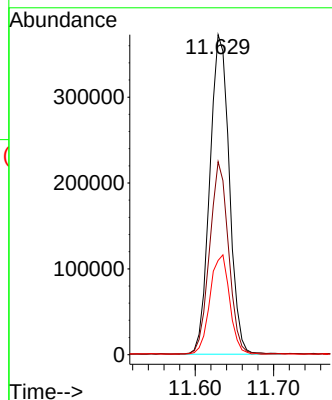
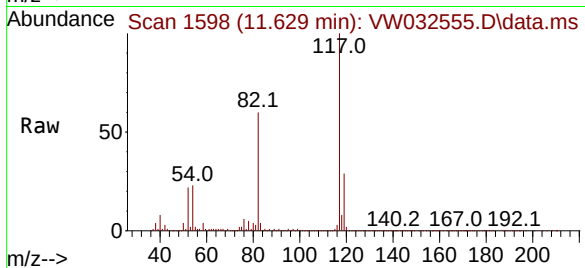
Tgt Ion:117 Resp: 642461

Ion Ratio Lower Upper

117 100

82 60.1 43.0 64.4

119 29.3 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032555.D

Acq: 26 Nov 2025 19:23

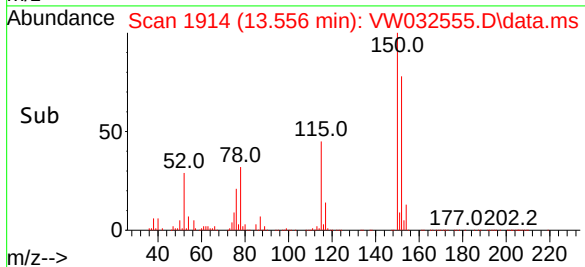
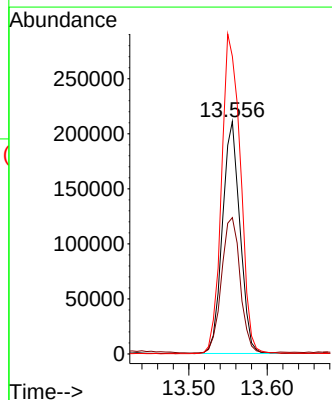
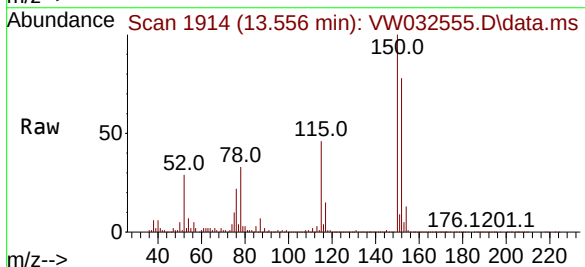
Tgt Ion:152 Resp: 328212

Ion Ratio Lower Upper

152 100

115 62.6 32.8 98.3

150 148.1 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032555.D
 Acq On : 26 Nov 2025 19:23
 Operator : SY/MD
 Sample : Q3719-14
 Misc : 4.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-17B

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_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	365	373	382	rVB2	30532	85935	4.19%	0.799%
2	4.960	494	504	515	rVB2	14776	50135	2.45%	0.466%
3	5.965	660	669	679	rBV4	13190	42430	2.07%	0.394%
4	7.166	857	866	879	rBV2	32605	126882	6.19%	1.179%
5	7.898	973	986	991	rBV2	211493	517309	25.25%	4.808%
6	7.959	991	996	1008	rVB	317463	719510	35.11%	6.687%
7	8.264	1037	1046	1049	rBV2	25539	62170	3.03%	0.578%
8	8.319	1049	1055	1066	rVB	208815	476634	23.26%	4.430%
9	8.849	1133	1142	1153	rBV	661823	1334762	65.14%	12.406%
10	10.324	1377	1384	1394	rBV	883561	1558639	76.07%	14.486%
11	10.702	1441	1446	1453	rVB	66366	123704	6.04%	1.150%
12	11.062	1501	1505	1519	rVB3	78977	182984	8.93%	1.701%
13	11.629	1592	1598	1607	rVB	1171007	2018345	98.50%	18.759%
14	12.617	1753	1760	1770	rVB	811813	1410803	68.85%	13.112%
15	13.556	1908	1914	1928	rVB	1219467	2049022	100.00%	19.044%

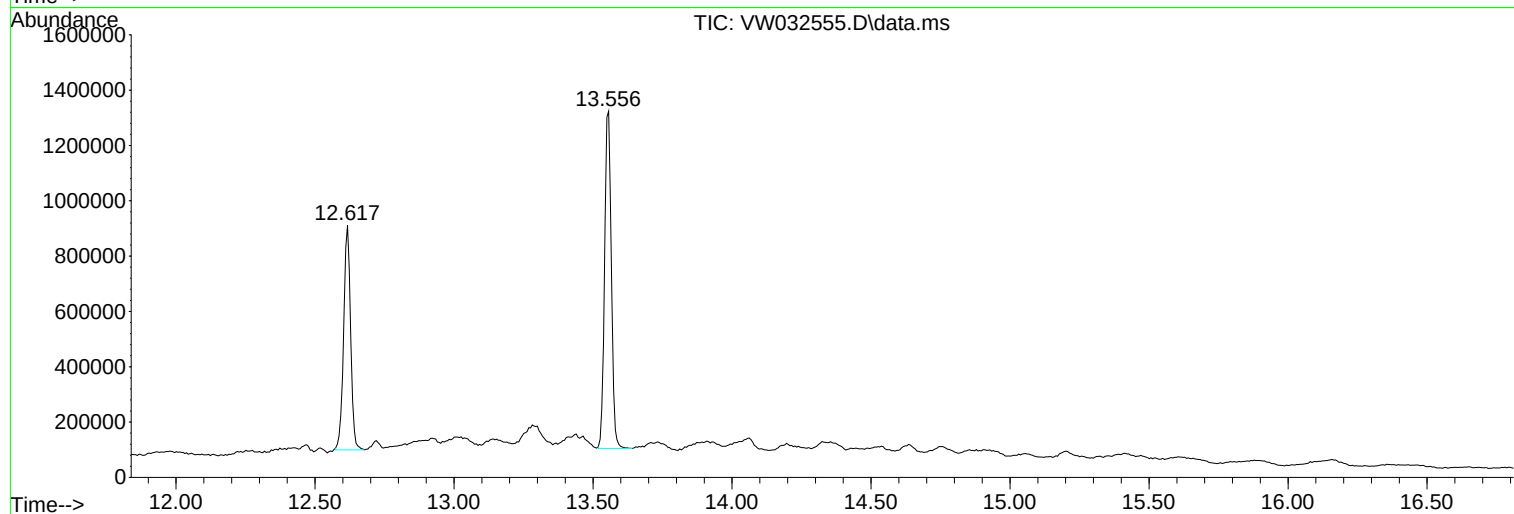
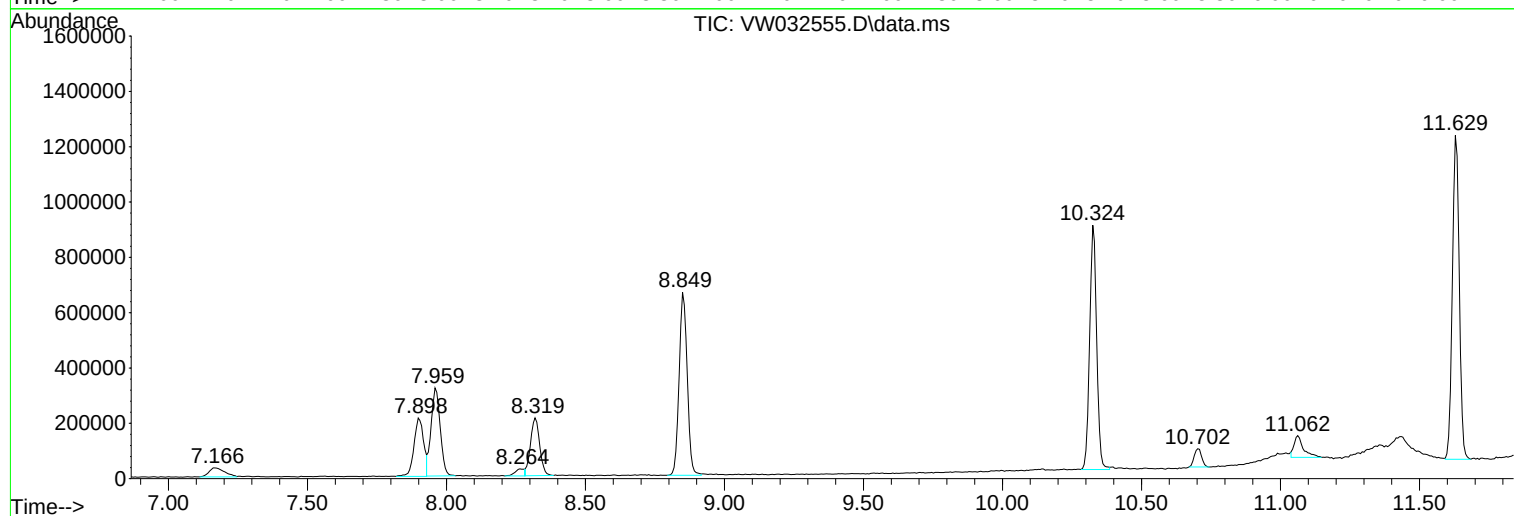
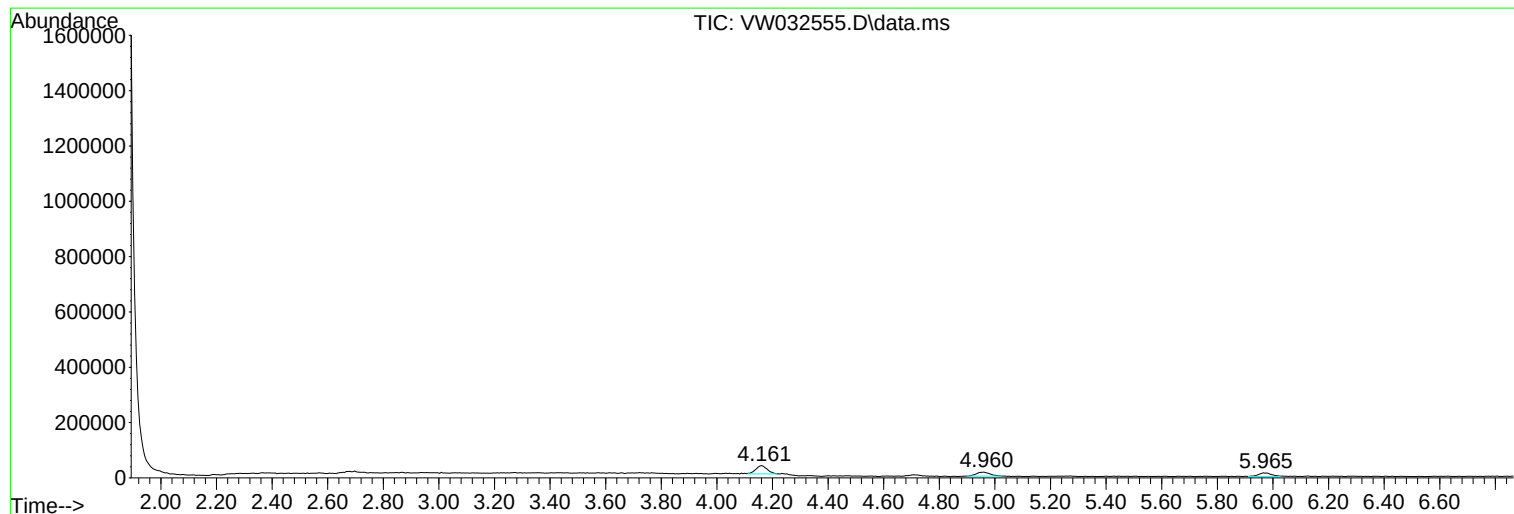
Sum of corrected areas: 10759264

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032555.D
Acq On : 26 Nov 2025 19:23
Operator : SY/MD
Sample : Q3719-14
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032555.D
Acq On : 26 Nov 2025 19:23
Operator : SY/MD
Sample : Q3719-14
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032555.D
Acq On : 26 Nov 2025 19:23
Operator : SY/MD
Sample : Q3719-14
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-17B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01
 Lab Code: ACE SDG No.: Q3719
 Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VW032406.D	RRF010 = VW032407.D	RRF020 = VW032408.D	RRF050 = VW032409.D	RRF100 = VW032410.D	RRF150 = VW032411.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.288	0.282	0.231	0.248	0.243	0.230	0.254	10
Chloromethane	0.476	0.439	0.408	0.408	0.438	0.440	0.435	5.8
Vinyl Chloride	0.591	0.567	0.525	0.538	0.543	0.528	0.549	4.6
Bromomethane	0.402	0.371	0.350	0.358	0.364	0.358	0.367	5.1
Chloroethane	0.382	0.361	0.340	0.355	0.362	0.354	0.359	3.9
Trichlorofluoromethane	0.420	0.416	0.392	0.459	0.442	0.452	0.430	5.9
1,1,2-Trichlorotrifluoroethane	0.506	0.495	0.438	0.467	0.458	0.449	0.469	5.6
1,1-Dichloroethene	0.576	0.541	0.506	0.540	0.539	0.523	0.537	4.3
Acetone	0.216	0.194	0.183	0.186	0.190	0.188	0.193	6.3
Carbon Disulfide	1.604	1.574	1.497	1.608	1.644	1.603	1.588	3.1
Methyl tert-butyl Ether	1.186	1.163	1.107	1.139	1.126	1.076	1.133	3.5
Methyl Acetate	0.486	0.494	0.459	0.463	0.476	0.487	0.478	2.9
Methylene Chloride	0.789	0.741	0.682	0.640	0.658	0.629	0.690	9.1
trans-1,2-Dichloroethene	0.646	0.619	0.596	0.603	0.624	0.598	0.615	3.1
1,1-Dichloroethane	1.217	1.156	1.091	1.148	1.168	1.138	1.153	3.5
Cyclohexane	1.236	1.141	1.016	1.027	1.003	0.976	1.066	9.5
2-Butanone	0.292	0.288	0.282	0.280	0.284	0.278	0.284	1.9
Carbon Tetrachloride	0.392	0.398	0.386	0.399	0.386	0.391	0.392	1.4
cis-1,2-Dichloroethene	0.764	0.727	0.713	0.729	0.748	0.723	0.734	2.5
Bromochloromethane	0.606	0.563	0.533	0.502	0.538	0.527	0.545	6.6
Chloroform	1.164	1.165	1.089	1.109	1.141	1.103	1.129	2.9
1,1,1-Trichloroethane	0.831	0.820	0.776	0.817	0.817	0.777	0.806	2.9
Methylcyclohexane	0.560	0.575	0.562	0.598	0.562	0.572	0.571	2.5
Benzene	1.410	1.473	1.410	1.437	1.413	1.380	1.420	2.2
1,2-Dichloroethane	0.425	0.423	0.416	0.421	0.409	0.409	0.417	1.7
Trichloroethene	0.336	0.340	0.327	0.335	0.323	0.323	0.331	2.2
1,2-Dichloropropane	0.356	0.360	0.354	0.356	0.350	0.346	0.354	1.4
Bromodichloromethane	0.460	0.469	0.456	0.482	0.481	0.482	0.471	2.5
4-Methyl-2-Pentanone	0.304	0.329	0.330	0.336	0.317	0.311	0.321	3.9
Toluene	0.875	0.896	0.870	0.894	0.870	0.859	0.877	1.7

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01
 Lab Code: ACE SDG No.: Q3719
 Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW032406.D		RRF010 = VW032407.D		RRF020 = VW032408.D			
		RRF050 = VW032409.D		RRF100 = VW032410.D		RRF150 = VW032411.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.445	0.481	0.469	0.504	0.508	0.507	0.486	5.2	
cis-1,3-Dichloropropene	0.531	0.553	0.556	0.579	0.576	0.574	0.562	3.2	
1,1,2-Trichloroethane	0.288	0.283	0.282	0.293	0.278	0.277	0.284	2.1	
2-Hexanone	0.223	0.245	0.241	0.244	0.231	0.226	0.235	4	
Dibromochloromethane	0.306	0.317	0.314	0.320	0.320	0.322	0.317	1.9	
1,2-Dibromoethane	0.261	0.292	0.279	0.281	0.272	0.272	0.276	3.8	
Tetrachloroethene	0.298	0.304	0.285	0.300	0.303	0.287	0.296	2.8	
Chlorobenzene	1.087	1.088	1.042	1.133	1.093	1.023	1.078	3.7	
Ethyl Benzene	1.875	1.853	1.822	1.944	1.915	1.779	1.865	3.2	
m/p-Xylenes	0.692	0.713	0.679	0.732	0.708	0.677	0.700	3	
o-Xylene	0.668	0.659	0.662	0.682	0.699	0.653	0.670	2.5	
Styrene	1.104	1.146	1.132	1.208	1.212	1.118	1.153	4	
Bromoform	0.187	0.201	0.193	0.203	0.205	0.196	0.198	3.5	
Isopropylbenzene	3.523	3.562	3.511	3.968	3.781	3.689	3.672	4.9	
1,1,2,2-Tetrachloroethane	0.886	0.869	0.845	0.927	0.871	0.831	0.871	3.8	
1,3-Dichlorobenzene	1.665	1.630	1.620	1.721	1.659	1.596	1.648	2.7	
1,4-Dichlorobenzene	1.776	1.680	1.644	1.774	1.658	1.602	1.689	4.2	
1,2-Dichlorobenzene	1.547	1.528	1.464	1.545	1.509	1.488	1.513	2.2	
1,2-Dibromo-3-Chloropropane	0.145	0.146	0.145	0.159	0.152	0.154	0.150	3.8	
1,2,4-Trichlorobenzene	0.943	0.917	0.923	1.032	0.972	0.992	0.963	4.6	
1,2,3-Trichlorobenzene	0.892	0.831	0.836	0.901	0.880	0.906	0.874	3.8	
1,2-Dichloroethane-d4	0.691	0.654	0.647	0.605	0.640	0.630	0.645	4.4	
Dibromofluoromethane	0.314	0.302	0.305	0.287	0.297	0.291	0.299	3.3	
Toluene-d8	1.171	1.176	1.152	1.130	1.136	1.125	1.148	1.9	
4-Bromofluorobenzene	0.444	0.444	0.454	0.415	0.426	0.421	0.434	3.6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W111025S.M
 Title : SW846 8260
 Last Update : Tue Nov 11 03:48:21 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW032406.D 10 =VW032407.D 20 =VW032408.D 50 =VW032409.D 100 =VW032410.D 150 =VW032411.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.288	0.282	0.231	0.248	0.243	0.230	0.254	9.97
3) P	Chloromethane	0.476	0.439	0.408	0.408	0.438	0.440	0.435	5.84
4) C	Vinyl Chloride	0.591	0.567	0.525	0.538	0.543	0.528	0.549	4.64#
5) T	Bromomethane	0.402	0.371	0.350	0.358	0.364	0.358	0.367	5.06
6) T	Chloroethane	0.382	0.361	0.340	0.355	0.362	0.354	0.359	3.85
7) T	Trichlorofluor...	0.420	0.416	0.392	0.459	0.442	0.452	0.430	5.87
8) T	Diethyl Ether	0.376	0.359	0.337	0.340	0.351	0.348	0.352	4.00
9) T	1,1,2-Trichlor...	0.506	0.495	0.438	0.467	0.458	0.449	0.469	5.65
10) T	Methyl Iodide	0.771	0.762	0.725	0.744	0.781	0.747	0.755	2.68
11) T	Tert butyl alc...	0.055	0.063	0.057	0.054	0.054	0.052	0.056	6.52
12) CM	1,1-Dichloroet...	0.576	0.541	0.506	0.540	0.539	0.523	0.537	4.33#
13) T	Acrolein	0.095	0.095	0.096	0.090	0.094	0.092	0.094	2.32
14) T	Allyl chloride	1.051	1.034	0.979	1.041	1.065	1.031	1.034	2.84
15) T	Acrylonitrile	0.208	0.208	0.197	0.203	0.204	0.200	0.203	2.19
16) T	Acetone	0.216	0.194	0.183	0.186	0.190	0.188	0.193	6.27
17) T	Carbon Disulfide	1.604	1.574	1.497	1.608	1.644	1.603	1.588	3.14
18) T	Methyl Acetate	0.486	0.494	0.459	0.463	0.476	0.487	0.478	2.92
19) T	Methyl tert-bu...	1.186	1.163	1.107	1.139	1.126	1.076	1.133	3.47
20) T	Methylene Chlo...	0.789	0.741	0.682	0.640	0.658	0.629	0.690	9.09
21) T	trans-1,2-Dich...	0.646	0.619	0.596	0.603	0.624	0.598	0.615	3.07
22) T	Diisopropyl ether	2.154	2.132	2.078	2.085	2.134	2.043	2.104	2.01
23) T	Vinyl Acetate	1.416	1.434	1.406	1.460	1.493	1.440	1.442	2.19
24) P	1,1-Dichloroet...	1.217	1.156	1.091	1.148	1.168	1.138	1.153	3.55
25) T	2-Butanone	0.292	0.288	0.282	0.280	0.284	0.278	0.284	1.87
26) T	2,2-Dichloropr...	0.719	0.681	0.616	0.619	0.629	0.592	0.643	7.38
27) T	cis-1,2-Dichlo...	0.764	0.727	0.713	0.729	0.748	0.723	0.734	2.53
28) T	Bromochloromet...	0.606	0.563	0.533	0.502	0.538	0.527	0.545	6.59
29) T	Tetrahydrofuran	0.184	0.182	0.178	0.181	0.182	0.175	0.180	1.71
30) C	Chloroform	1.164	1.165	1.089	1.109	1.141	1.103	1.129	2.89#
31) T	Cyclohexane	1.236	1.141	1.016	1.027	1.003	0.976	1.066	9.46
32) T	1,1,1-Trichlor...	0.831	0.820	0.776	0.817	0.817	0.777	0.806	2.94
33) S	1,2-Dichloroet...	0.691	0.654	0.647	0.605	0.640	0.630	0.645	4.39
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.314	0.302	0.305	0.287	0.297	0.291	0.299	3.29
36) T	1,1-Dichloropr...	0.435	0.447	0.436	0.455	0.436	0.437	0.441	1.89
37) T	Ethyl Acetate	0.315	0.347	0.333	0.337	0.320	0.317	0.328	3.95
38) T	Carbon Tetrach...	0.392	0.398	0.386	0.399	0.386	0.391	0.392	1.41
39) T	Methylcyclohexane	0.560	0.575	0.562	0.598	0.562	0.572	0.571	2.55
40) TM	Benzene	1.410	1.473	1.410	1.437	1.413	1.380	1.420	2.22
41) T	Methacrylonitrile	0.161	0.174	0.193	0.187	0.182	0.184	0.180	6.34
42) TM	1,2-Dichloroet...	0.425	0.423	0.416	0.421	0.409	0.409	0.417	1.70
43) T	Isopropyl Acetate	0.556	0.583	0.575	0.604	0.581	0.586	0.581	2.68
44) TM	Trichloroethene	0.336	0.340	0.327	0.335	0.323	0.323	0.331	2.20
45) C	1,2-Dichloropr...	0.356	0.360	0.354	0.356	0.350	0.346	0.354	1.37#
46) T	Dibromomethane	0.207	0.210	0.210	0.211	0.202	0.200	0.207	2.36
47) T	Bromodichlorom...	0.460	0.469	0.456	0.482	0.481	0.482	0.471	2.46
48) T	Methyl methacr...	0.261	0.261	0.261	0.303	0.275	0.295	0.276	6.80
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	3.45
50) S	Toluene-d8	1.171	1.176	1.152	1.130	1.136	1.125	1.148	1.87
51) T	4-Methyl-2-Pen...	0.304	0.329	0.330	0.336	0.317	0.311	0.321	3.90
52) CM	Toluene	0.875	0.896	0.870	0.894	0.870	0.859	0.877	1.69#
53) T	t-1,3-Dichloro...	0.445	0.481	0.469	0.504	0.508	0.507	0.486	5.23
54) T	cis-1,3-Dichlo...	0.531	0.553	0.556	0.579	0.576	0.574	0.562	3.24
55) T	1,1,2-Trichlor...	0.288	0.283	0.282	0.293	0.278	0.277	0.284	2.14
56) T	Ethyl methacry...	0.389	0.428	0.436	0.458	0.449	0.450	0.435	5.71

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W111025S.M

57)	T	1,3-Dichloropr...	0.495	0.517	0.512	0.523	0.497	0.495	0.506	2.43
58)	T	2-Chloroethyl ...	0.218	0.236	0.237	0.226	0.238	0.235	0.232	3.45
59)	T	2-Hexanone	0.223	0.245	0.241	0.244	0.231	0.226	0.235	4.02
60)	T	Dibromochlorom...	0.306	0.317	0.314	0.320	0.320	0.322	0.317	1.86
61)	T	1,2-Dibromoethane	0.261	0.292	0.279	0.281	0.272	0.272	0.276	3.84
62)	S	4-Bromofluorob...	0.444	0.444	0.454	0.415	0.426	0.421	0.434	3.56
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.298	0.304	0.285	0.300	0.303	0.287	0.296	2.79
65)	PM	Chlorobenzene	1.087	1.088	1.042	1.133	1.093	1.023	1.078	3.68
66)	T	1,1,1,2-Tetrac...	0.338	0.328	0.324	0.339	0.346	0.327	0.334	2.52
67)	C	Ethyl Benzene	1.875	1.853	1.822	1.943	1.915	1.779	1.865	3.23#
68)	T	m/p-Xylenes	0.692	0.713	0.679	0.732	0.708	0.677	0.700	3.02
69)	T	o-Xylene	0.668	0.659	0.662	0.682	0.699	0.653	0.670	2.54
70)	T	Styrene	1.104	1.146	1.132	1.208	1.212	1.118	1.153	4.01
71)	P	Bromoform	0.187	0.201	0.193	0.203	0.205	0.196	0.198	3.53
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.523	3.562	3.511	3.968	3.781	3.689	3.672	4.87
74)	T	N-amyl acetate	1.175	1.202	1.245	1.403	1.334	1.298	1.276	6.70
75)	P	1,1,2,2-Tetrac...	0.886	0.869	0.845	0.927	0.871	0.831	0.871	3.84
76)	T	1,2,3-Trichlor...	0.735	0.749	0.730	0.671	0.621	0.606	0.686	9.02
77)	T	Bromobenzene	0.877	0.865	0.811	0.942	0.863	0.860	0.869	4.86
78)	T	n-propylbenzene	4.287	4.362	4.312	4.819	4.565	4.488	4.472	4.48
79)	T	2-Chlorotoluene	2.669	2.699	2.630	2.874	2.789	2.719	2.730	3.23
80)	T	1,3,5-Trimethy...	2.919	2.983	2.969	3.242	3.086	2.978	3.030	3.87
81)	T	trans-1,4-Dich...	0.263	0.281	0.277	0.328	0.323	0.325	0.299	9.73
82)	T	4-Chlorotoluene	2.804	2.776	2.752	3.008	2.858	2.837	2.839	3.22
83)	T	tert-Butylbenzene	2.567	2.531	2.515	2.880	2.687	2.632	2.635	5.17
84)	T	1,2,4-Trimethy...	3.047	3.050	2.963	3.291	3.071	3.067	3.081	3.56
85)	T	sec-Butylbenzene	3.938	3.846	3.784	4.197	3.902	3.883	3.925	3.65
86)	T	p-Isopropyltol...	3.148	3.210	3.114	3.434	3.289	3.249	3.241	3.53
87)	T	1,3-Dichlorobe...	1.665	1.630	1.620	1.721	1.659	1.596	1.648	2.66
88)	T	1,4-Dichlorobe...	1.776	1.680	1.644	1.774	1.658	1.602	1.689	4.24
89)	T	n-Butylbenzene	3.059	3.073	3.087	3.388	3.184	3.206	3.166	3.94
90)	T	Hexachloroethane	0.563	0.564	0.540	0.624	0.598	0.617	0.584	5.77
91)	T	1,2-Dichlorobe...	1.547	1.528	1.464	1.545	1.509	1.488	1.513	2.19
92)	T	1,2-Dibromo-3-...	0.145	0.146	0.145	0.159	0.152	0.154	0.150	3.85
93)	T	1,2,4-Trichlor...	0.943	0.917	0.923	1.032	0.972	0.992	0.963	4.62
94)	T	Hexachlorobuta...	0.408	0.386	0.366	0.422	0.404	0.414	0.400	5.17
95)	T	Naphthalene	2.182	2.294	2.276	2.598	2.586	2.472	2.401	7.29
96)	T	1,2,3-Trichlor...	0.892	0.831	0.836	0.901	0.880	0.906	0.874	3.76

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032406.D
 Acq On : 10 Nov 2025 15:11
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	446044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	861919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	746442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	357631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	30808	5.357	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.720%#		
35) Dibromofluoromethane	7.904	113	27089	5.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.500%#		
50) Toluene-d8	10.325	98	100946	5.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.200%#		
62) 4-Bromofluorobenzene	12.617	95	38253	5.115	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.220%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	12853m	5.626	ug/l	
3) Chloromethane	2.253	50	21252	5.479	ug/l	96
4) Vinyl Chloride	2.405	62	26343	5.381	ug/l	97
5) Bromomethane	2.826	94	17936	5.477	ug/l	86
6) Chloroethane	2.978	64	17036	5.319	ug/l	99
7) Trichlorofluoromethane	3.308	101	18735	4.881	ug/l	94
8) Diethyl Ether	3.716	74	16754	5.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	22551	5.394	ug/l	98
10) Methyl Iodide	4.307	142	34394	5.107	ug/l	99
11) Tert butyl alcohol	5.216	59	12284	24.704	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	25678	5.356	ug/l	98
13) Acrolein	3.929	56	21243	25.462	ug/l	97
14) Allyl chloride	4.710	41	46866	5.083	ug/l	98
15) Acrylonitrile	5.405	53	46350	25.546	ug/l	99
16) Acetone	4.161	43	48252	28.046	ug/l	93
17) Carbon Disulfide	4.417	76	71547	5.049	ug/l	98
18) Methyl Acetate	4.716	43	21679	5.089	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	52903	5.235	ug/l	96
20) Methylene Chloride	4.954	84	35179	5.718	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	28795	5.253	ug/l	96
22) Diisopropyl ether	6.338	45	96076	5.118	ug/l	94
23) Vinyl Acetate	6.289	43	315880	24.561	ug/l	99
24) 1,1-Dichloroethane	6.246	63	54281	5.278	ug/l	99
25) 2-Butanone	7.197	43	65204	25.725	ug/l	95
26) 2,2-Dichloropropane	7.191	77	32052	5.592	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	34097	5.205	ug/l	96
28) Bromochloromethane	7.532	49	27041	5.563	ug/l	98
29) Tetrahydrofuran	7.557	42	41010	25.492	ug/l	98
30) Chloroform	7.691	83	51922	5.157	ug/l	98
31) Cyclohexane	7.965	56	55149	5.797	ug/l #	75
32) 1,1,1-Trichloroethane	7.886	97	37069	5.154	ug/l	97
36) 1,1-Dichloropropene	8.093	75	37460	4.927	ug/l	96
37) Ethyl Acetate	7.276	43	27118	4.796	ug/l	96
38) Carbon Tetrachloride	8.087	117	33800	5.003	ug/l	95
39) Methylcyclohexane	9.343	83	48247	4.898	ug/l	97
40) Benzene	8.337	78	121492	4.962	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032406.D
 Acq On : 10 Nov 2025 15:11
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/11/2025

Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:33:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Quant Title : SW846 8260

QLast Update : Tue Nov 11 03:33:05 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	13857	4.462	ug/l	93
42) 1,2-Dichloroethane	8.410	62	36648	5.095	ug/l	100
43) Isopropyl Acetate	8.435	43	47925	4.787	ug/l	98
44) Trichloroethene	9.099	130	28965	5.084	ug/l	92
45) 1,2-Dichloropropane	9.374	63	30643	5.026	ug/l	97
46) Dibromomethane	9.465	93	17884	5.020	ug/l	98
47) Bromodichloromethane	9.648	83	39690	4.884	ug/l	96
48) Methyl methacrylate	9.441	41	22511	4.732	ug/l	98
49) 1,4-Dioxane	9.465	88	4928	98.734	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	130944	23.659	ug/l	99
52) Toluene	10.392	92	75426	4.987	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	38349	4.582	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	45809	4.733	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	24841	5.082	ug/l	95
56) Ethyl methacrylate	10.648	69	33566	4.476	ug/l	97
57) 1,3-Dichloropropane	10.934	76	42638	4.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	93963	23.527	ug/l	97
59) 2-Hexanone	10.971	43	96031	23.716	ug/l	99
60) Dibromochloromethane	11.129	129	26381	4.833	ug/l	99
61) 1,2-Dibromoethane	11.233	107	22493	4.725	ug/l	97
64) Tetrachloroethene	10.867	164	22220	5.027	ug/l	93
65) Chlorobenzene	11.660	112	81174	5.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	25207	5.063	ug/l	99
67) Ethyl Benzene	11.727	91	139985	5.029	ug/l	98
68) m/p-Xylenes	11.837	106	103326	9.886	ug/l	99
69) o-Xylene	12.166	106	49846	4.981	ug/l	99
70) Styrene	12.178	104	82403	4.787	ug/l	98
71) Bromoform	12.343	173	13933	4.724	ug/l #	99
73) Isopropylbenzene	12.458	105	125978	4.796	ug/l	100
74) N-amyl acetate	12.269	43	42020	4.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	31677	5.082	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	26298m	5.362	ug/l	
77) Bromobenzene	12.745	156	31353	5.042	ug/l	99
78) n-propylbenzene	12.800	91	153312	4.793	ug/l	99
79) 2-Chlorotoluene	12.891	91	95466	4.889	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	104405	4.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9398	4.390	ug/l	88
82) 4-Chlorotoluene	12.983	91	100291	4.938	ug/l	97
83) tert-Butylbenzene	13.202	119	91812	4.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	108985	4.945	ug/l	100
85) sec-Butylbenzene	13.379	105	140828	5.016	ug/l	97
86) p-Isopropyltoluene	13.495	119	112594	4.858	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	59538	5.050	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	63512	5.258	ug/l	96
89) n-Butylbenzene	13.818	91	109389	4.831	ug/l	98
90) Hexachloroethane	14.092	117	20141	4.819	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	55317	5.111	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5174	4.818	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	33710	4.894	ug/l	95
94) Hexachlorobutadiene	15.220	225	14601	5.103	ug/l	91
95) Naphthalene	15.360	128	78029	4.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	31907	5.102	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032406.D
Acq On : 10 Nov 2025 15:11
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration

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

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

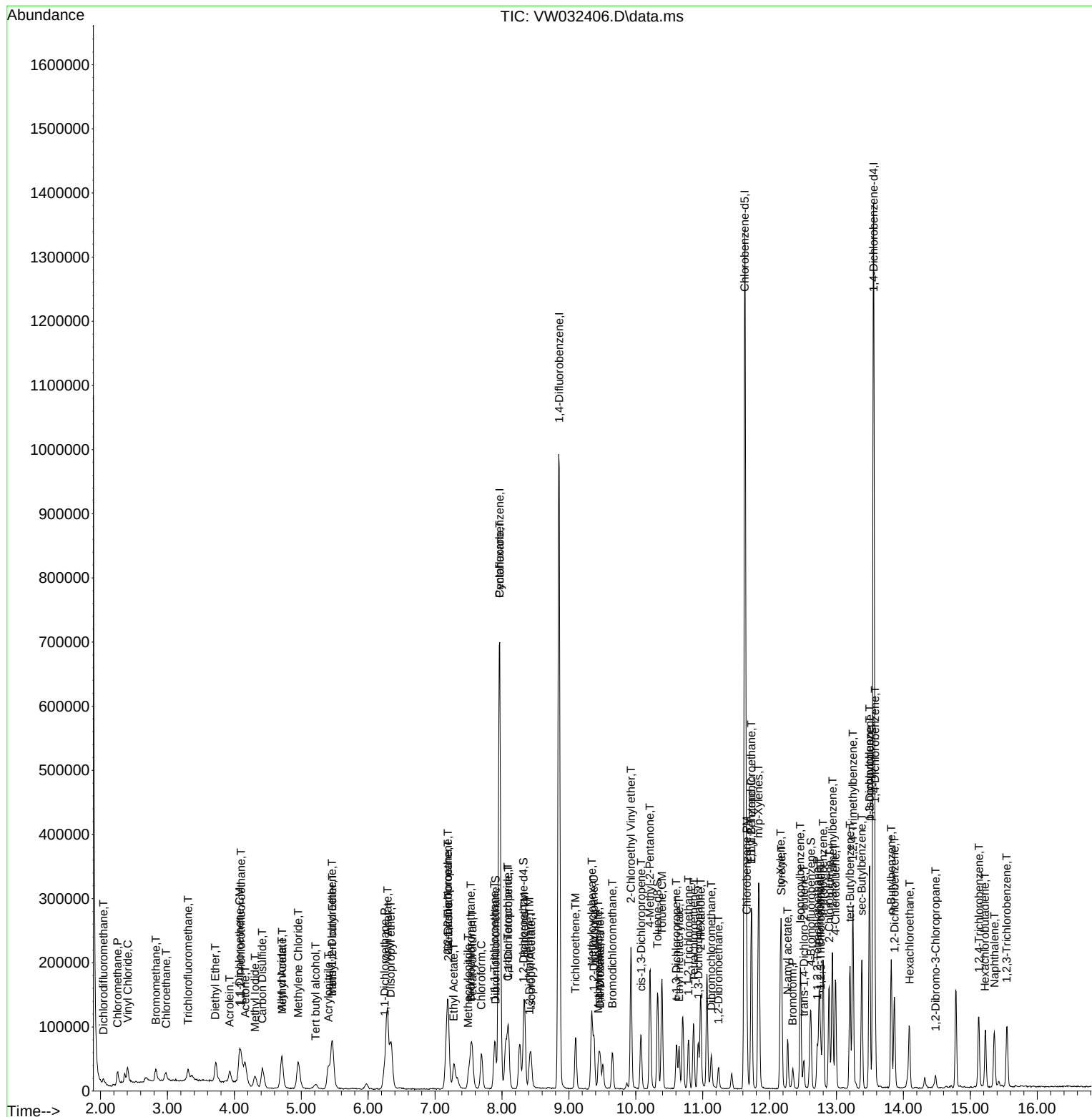
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032406.D
Acq On : 10 Nov 2025 15:11
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032407.D
 Acq On : 10 Nov 2025 15:33
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:34:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	450836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	819351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	741941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	349708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	59003	10.151	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.300%#		
35) Dibromofluoromethane	7.904	113	49546	10.100	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.200%#		
50) Toluene-d8	10.325	98	192718	10.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.480%#		
62) 4-Bromofluorobenzene	12.617	95	72758	10.234	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	25392m	10.997	ug/l	
3) Chloromethane	2.253	50	39572	10.093	ug/l	99
4) Vinyl Chloride	2.405	62	51167	10.341	ug/l	95
5) Bromomethane	2.826	94	33455	10.108	ug/l	92
6) Chloroethane	2.972	64	32585	10.065	ug/l	98
7) Trichlorofluoromethane	3.308	101	37511	9.669	ug/l	98
8) Diethyl Ether	3.722	74	32396	10.214	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	44628	10.560	ug/l	99
10) Methyl Iodide	4.313	142	68681	10.090	ug/l	100
11) Tert butyl alcohol	5.216	59	28210	56.129	ug/l	100
12) 1,1-Dichloroethene	4.076	96	48802	10.071	ug/l	99
13) Acrolein	3.935	56	42661	50.591	ug/l	99
14) Allyl chloride	4.710	41	93239	10.005	ug/l	99
15) Acrylonitrile	5.405	53	93953	51.232	ug/l	99
16) Acetone	4.161	43	87310	50.210	ug/l	97
17) Carbon Disulfide	4.417	76	141915	9.909	ug/l	97
18) Methyl Acetate	4.710	43	44520	10.339	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	104889	10.268	ug/l	95
20) Methylene Chloride	4.954	84	66798	10.741	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	55842	10.078	ug/l	97
22) Diisopropyl ether	6.337	45	192206	10.130	ug/l	96
23) Vinyl Acetate	6.283	43	646655	49.745	ug/l	97
24) 1,1-Dichloroethane	6.246	63	104196	10.023	ug/l	98
25) 2-Butanone	7.197	43	129968	50.732	ug/l	98
26) 2,2-Dichloropropane	7.191	77	61367	10.593	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	65574	9.904	ug/l	95
28) Bromochloromethane	7.532	49	50794	10.338	ug/l	99
29) Tetrahydrofuran	7.551	42	81885	50.359	ug/l	99
30) Chloroform	7.697	83	105045	10.322	ug/l	98
31) Cyclohexane	7.965	56	102879	10.699	ug/l #	92
32) 1,1,1-Trichloroethane	7.892	97	73948	10.172	ug/l	98
36) 1,1-Dichloropropene	8.099	75	73275	10.138	ug/l	97
37) Ethyl Acetate	7.276	43	56863	10.580	ug/l	98
38) Carbon Tetrachloride	8.081	117	65150	10.144	ug/l	92
39) Methylcyclohexane	9.343	83	94305	10.071	ug/l	86
40) Benzene	8.337	78	241413	10.371	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032407.D
 Acq On : 10 Nov 2025 15:33
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:34:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	28465	9.641	ug/l	94
42) 1,2-Dichloroethane	8.416	62	69346	10.143	ug/l	99
43) Isopropyl Acetate	8.435	43	95514	10.036	ug/l	99
44) Trichloroethene	9.099	130	55649	10.274	ug/l	93
45) 1,2-Dichloropropane	9.374	63	59038	10.186	ug/l	98
46) Dibromomethane	9.471	93	34419	10.162	ug/l	97
47) Bromodichloromethane	9.648	83	76814	9.942	ug/l	95
48) Methyl methacrylate	9.441	41	42787	9.461	ug/l	95
49) 1,4-Dioxane	9.465	88	9540	201.067	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	269178	51.163	ug/l	99
52) Toluene	10.392	92	146853	10.214	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	78747	9.897	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	90589	9.845	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	46448	9.997	ug/l	94
56) Ethyl methacrylate	10.648	69	70122	9.836	ug/l	99
57) 1,3-Dichloropropane	10.934	76	84750	10.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	193282	50.910	ug/l	99
59) 2-Hexanone	10.971	43	200376	52.056	ug/l	99
60) Dibromochloromethane	11.129	129	51945	10.011	ug/l	98
61) 1,2-Dibromoethane	11.239	107	47906	10.586	ug/l	94
64) Tetrachloroethene	10.861	164	45145	10.275	ug/l	94
65) Chlorobenzene	11.660	112	161494	10.099	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	48692	9.839	ug/l	98
67) Ethyl Benzene	11.733	91	275018	9.939	ug/l	98
68) m/p-Xylenes	11.836	106	211539	20.362	ug/l	97
69) o-Xylene	12.166	106	97756	9.827	ug/l	100
70) Styrene	12.178	104	170000	9.935	ug/l	99
71) Bromoform	12.343	173	29843	10.181	ug/l #	92
73) Isopropylbenzene	12.464	105	249133	9.700	ug/l	98
74) N-amyl acetate	12.269	43	84064	9.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	60803	9.975	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	52388m	10.924	ug/l	
77) Bromobenzene	12.745	156	60481	9.946	ug/l	97
78) n-propylbenzene	12.800	91	305079	9.754	ug/l	99
79) 2-Chlorotoluene	12.891	91	188782	9.887	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	208642	9.847	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	19619	9.371	ug/l	94
82) 4-Chlorotoluene	12.989	91	194147	9.776	ug/l	97
83) tert-Butylbenzene	13.202	119	176992	9.602	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	213291	9.897	ug/l	99
85) sec-Butylbenzene	13.379	105	268972	9.798	ug/l	99
86) p-Isopropyltoluene	13.495	119	224526	9.906	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	113975	9.886	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	117480	9.946	ug/l	93
89) n-Butylbenzene	13.818	91	214914	9.705	ug/l	100
90) Hexachloroethane	14.086	117	39430	9.649	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	106855	10.096	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10231	9.743	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	64111	9.519	ug/l	94
94) Hexachlorobutadiene	15.226	225	27012	9.655	ug/l	92
95) Naphthalene	15.360	128	160481	9.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	58107	9.503	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032407.D
Acq On : 10 Nov 2025 15:33
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:34:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration

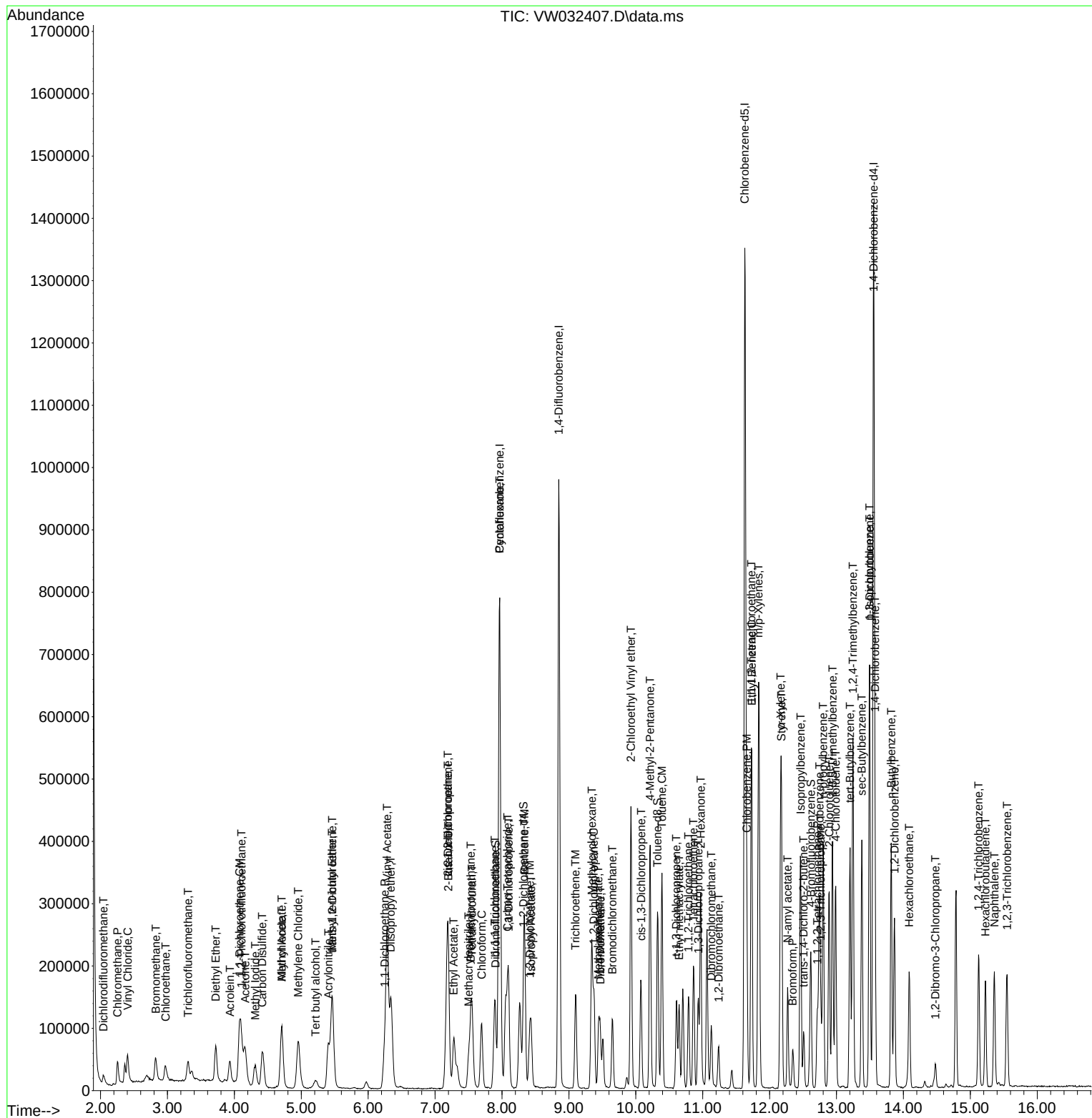
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	457584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	816489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	742729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	346736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	118510	20.089	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	40.180%#		
35) Dibromofluoromethane	7.904	113	99490	20.352	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.700%#		
50) Toluene-d8	10.325	98	376146	20.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.617	95	148179	20.916	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	42243	18.026	ug/l	90
3) Chloromethane	2.253	50	74640	18.757	ug/l	98
4) Vinyl Chloride	2.405	62	96045	19.124	ug/l	100
5) Bromomethane	2.820	94	64010	19.054	ug/l	97
6) Chloroethane	2.966	64	62143	18.913	ug/l	100
7) Trichlorofluoromethane	3.308	101	71828	18.242	ug/l	88
8) Diethyl Ether	3.722	74	61770	19.188	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	80209	18.700	ug/l	99
10) Methyl Iodide	4.314	142	132689	19.207	ug/l	100
11) Tert butyl alcohol	5.216	59	51729	101.406	ug/l	99
12) 1,1-Dichloroethene	4.076	96	92526	18.812	ug/l	99
13) Acrolein	3.929	56	87436	102.160	ug/l	99
14) Allyl chloride	4.704	41	179218	18.948	ug/l	98
15) Acrylonitrile	5.405	53	180486	96.966	ug/l	99
16) Acetone	4.161	43	167175	94.720	ug/l	99
17) Carbon Disulfide	4.417	76	274085	18.855	ug/l	98
18) Methyl Acetate	4.716	43	84037	19.228	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	202532	19.535	ug/l	96
20) Methylene Chloride	4.948	84	124826	19.777	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	109177	19.413	ug/l	98
22) Diisopropyl ether	6.344	45	380288	19.748	ug/l	94
23) Vinyl Acetate	6.283	43	1286472	97.505	ug/l	99
24) 1,1-Dichloroethane	6.246	63	199778	18.935	ug/l	98
25) 2-Butanone	7.197	43	257973	99.213	ug/l	97
26) 2,2-Dichloropropane	7.185	77	112678	19.163	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	130563	19.430	ug/l	99
28) Bromochloromethane	7.532	49	97569	19.566	ug/l	98
29) Tetrahydrofuran	7.551	42	162726	98.600	ug/l	99
30) Chloroform	7.691	83	199398	19.305	ug/l	99
31) Cyclohexane	7.971	56	186039	19.062	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	142015	19.247	ug/l	99
36) 1,1-Dichloropropene	8.099	75	142545	19.790	ug/l	99
37) Ethyl Acetate	7.276	43	108602	20.277	ug/l	100
38) Carbon Tetrachloride	8.087	117	126114	19.706	ug/l	98
39) Methylcyclohexane	9.343	83	183430	19.658	ug/l	93
40) Benzene	8.337	78	460390	19.848	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	63058	21.432	ug/l	95
42) 1,2-Dichloroethane	8.410	62	135836	19.937	ug/l	100
43) Isopropyl Acetate	8.435	43	187892	19.812	ug/l	99
44) Trichloroethene	9.099	130	106920	19.809	ug/l	99
45) 1,2-Dichloropropane	9.374	63	115560	20.008	ug/l	99
46) Dibromomethane	9.465	93	68601	20.326	ug/l	98
47) Bromodichloromethane	9.654	83	148808	19.328	ug/l	96
48) Methyl methacrylate	9.441	41	85216	18.909	ug/l	93
49) 1,4-Dioxane	9.465	88	18879	399.292	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	538488	102.710	ug/l	99
52) Toluene	10.392	92	284143	19.832	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	153300	19.334	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	181723	19.819	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	92074	19.886	ug/l	96
56) Ethyl methacrylate	10.648	69	142352	20.038	ug/l	99
57) 1,3-Dichloropropane	10.934	76	167175	20.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	386317	102.111	ug/l	100
59) 2-Hexanone	10.971	43	392754	102.391	ug/l	99
60) Dibromochloromethane	11.129	129	102649	19.852	ug/l	96
61) 1,2-Dibromoethane	11.239	107	91235	20.231	ug/l	99
64) Tetrachloroethene	10.867	164	84673	19.251	ug/l	94
65) Chlorobenzene	11.660	112	309433	19.329	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	96211	19.420	ug/l	100
67) Ethyl Benzene	11.733	91	541238	19.540	ug/l	98
68) m/p-Xylenes	11.837	106	403489	38.797	ug/l	98
69) o-Xylene	12.166	106	196711	19.754	ug/l	98
70) Styrene	12.178	104	336202	19.626	ug/l	100
71) Bromoform	12.349	173	57398	19.560	ug/l	91
73) Isopropylbenzene	12.458	105	486953	19.122	ug/l	100
74) N-amyl acetate	12.269	43	172679	19.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	117227	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	101298m	21.304	ug/l	
77) Bromobenzene	12.745	156	112433	18.648	ug/l	91
78) n-propylbenzene	12.800	91	598062	19.285	ug/l	100
79) 2-Chlorotoluene	12.891	91	364742	19.266	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	411841	19.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	38383	18.491	ug/l	94
82) 4-Chlorotoluene	12.983	91	381756	19.388	ug/l	99
83) tert-Butylbenzene	13.202	119	348802	19.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	410945	19.231	ug/l	98
85) sec-Butylbenzene	13.379	105	524886	19.284	ug/l	99
86) p-Isopropyltoluene	13.495	119	431851	19.216	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	224644	19.651	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	227987	19.467	ug/l	97
89) n-Butylbenzene	13.818	91	428136	19.500	ug/l	99
90) Hexachloroethane	14.086	117	74845	18.472	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	202982	19.343	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	20157	19.361	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	127966	19.162	ug/l	97
94) Hexachlorobutadiene	15.226	225	50712	18.281	ug/l	86
95) Naphthalene	15.360	128	315603	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	115969	19.128	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032408.D
Acq On : 10 Nov 2025 15:55
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 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_W\Data\VW111025\
 Data File : VW032408.D
 Acq On : 10 Nov 2025 15:55
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/11/2025

Supervised By :Semsettin Yesilyurt 11/11/2025

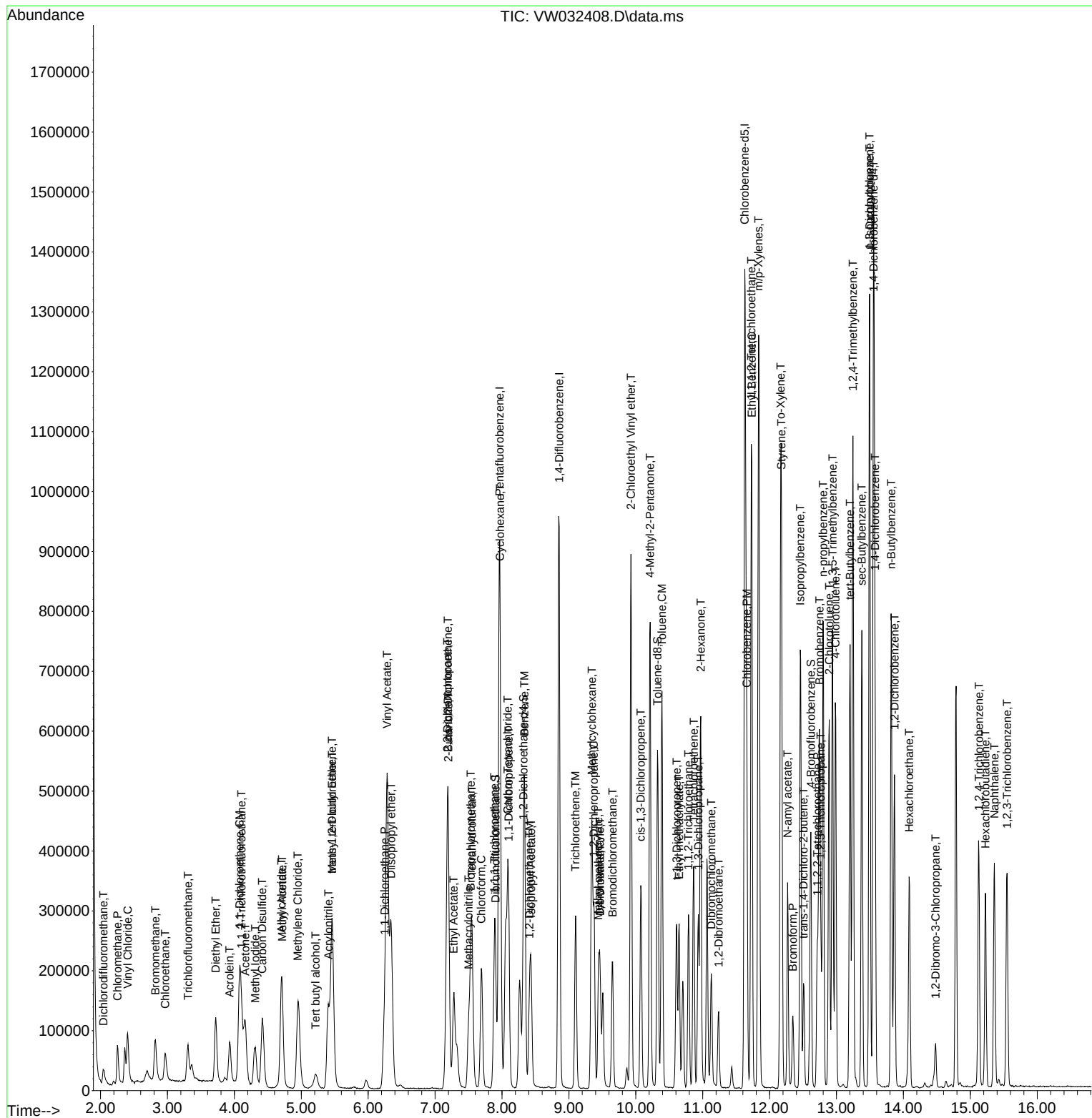
Quant Time: Nov 11 03:35:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Quant Title : SW846 8260

QLast Update : Tue Nov 11 03:33:05 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032409.D
 Acq On : 10 Nov 2025 16:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	473870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	839187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	738113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	330535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	286867	46.956	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.920%		
35) Dibromofluoromethane	7.904	113	240784	47.923	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.840%		
50) Toluene-d8	10.325	98	948663	49.216	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.617	95	348133	47.811	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	95.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	117696	48.496	ug/l	100
3) Chloromethane	2.253	50	193400	46.930	ug/l	100
4) Vinyl Chloride	2.405	62	255152	49.059	ug/l	100
5) Bromomethane	2.826	94	169422	48.699	ug/l	100
6) Chloroethane	2.972	64	168250	49.446	ug/l	100
7) Trichlorofluoromethane	3.308	101	217703	53.389	ug/l	100
8) Diethyl Ether	3.722	74	161055	48.309	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	221350	49.832	ug/l	100
10) Methyl Iodide	4.307	142	352515	49.273	ug/l	100
11) Tert butyl alcohol	5.216	59	127100	240.595	ug/l	100
12) 1,1-Dichloroethene	4.082	96	255938	50.249	ug/l	100
13) Acrolein	3.929	56	213422	240.790	ug/l	100
14) Allyl chloride	4.704	41	493300	50.363	ug/l	100
15) Acrylonitrile	5.405	53	480718	249.389	ug/l	100
16) Acetone	4.161	43	440757	241.146	ug/l	100
17) Carbon Disulfide	4.423	76	761956	50.614	ug/l	100
18) Methyl Acetate	4.710	43	219594	48.517	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	539886	50.284	ug/l	100
20) Methylene Chloride	4.954	84	303080	46.367	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	285957	49.100	ug/l	100
22) Diisopropyl ether	6.337	45	987895	49.536	ug/l	100
23) Vinyl Acetate	6.283	43	3459955	253.227	ug/l	100
24) 1,1-Dichloroethane	6.246	63	543885	49.778	ug/l	100
25) 2-Butanone	7.191	43	663205	246.293	ug/l	100
26) 2,2-Dichloropropane	7.185	77	293455	48.192	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	345581	49.660	ug/l	100
28) Bromochloromethane	7.532	49	237900	46.067	ug/l	100
29) Tetrahydrofuran	7.551	42	429579	251.347	ug/l	100
30) Chloroform	7.691	83	525290	49.110	ug/l	100
31) Cyclohexane	7.971	56	486431	48.128	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	387016	50.649	ug/l	100
36) 1,1-Dichloropropene	8.099	75	382172	51.624	ug/l	100
37) Ethyl Acetate	7.270	43	283001	51.410	ug/l	100
38) Carbon Tetrachloride	8.081	117	334794	50.897	ug/l	100
39) Methylcyclohexane	9.343	83	501951	52.340	ug/l	100
40) Benzene	8.337	78	1206225	50.596	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032409.D
 Acq On : 10 Nov 2025 16:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	157157	51.970	ug/l	100
42) 1,2-Dichloroethane	8.410	62	353418	50.470	ug/l	100
43) Isopropyl Acetate	8.435	43	506886	52.003	ug/l	100
44) Trichloroethene	9.099	130	280938	50.643	ug/l	100
45) 1,2-Dichloropropane	9.374	63	298715	50.321	ug/l	100
46) Dibromomethane	9.465	93	177243	51.095	ug/l	100
47) Bromodichloromethane	9.654	83	404213	51.082	ug/l	100
48) Methyl methacrylate	9.441	41	254032	54.845	ug/l	100
49) 1,4-Dioxane	9.465	88	51534	1060.466	ug/l #	100
51) 4-Methyl-2-Pentanone	10.209	43	1411536	261.951	ug/l	100
52) Toluene	10.392	92	750381	50.957	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	422565	51.852	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	485529	51.519	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	245652	51.620	ug/l	100
56) Ethyl methacrylate	10.648	69	384615	52.675	ug/l	100
57) 1,3-Dichloropropane	10.934	76	438483	51.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	947852	243.759	ug/l	100
59) 2-Hexanone	10.971	43	1024540	259.873	ug/l	100
60) Dibromochloromethane	11.129	129	268368	50.499	ug/l	100
61) 1,2-Dibromoethane	11.239	107	235648	50.842	ug/l	100
64) Tetrachloroethene	10.867	164	221732	50.729	ug/l	100
65) Chlorobenzene	11.654	112	836572	52.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	249919	50.760	ug/l	100
67) Ethyl Benzene	11.727	91	1434522	52.113	ug/l	100
68) m/p-Xylenes	11.836	106	1080126	104.508	ug/l	100
69) o-Xylene	12.166	106	503049	50.833	ug/l	100
70) Styrene	12.178	104	891578	52.373	ug/l	100
71) Bromoform	12.349	173	149754	51.352	ug/l	100
73) Isopropylbenzene	12.464	105	1311412	54.022	ug/l	100
74) N-amyl acetate	12.269	43	463709	54.971	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	306330	53.171	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	221825m	48.938	ug/l	
77) Bromobenzene	12.745	156	311375	54.174	ug/l	100
78) n-propylbenzene	12.800	91	1592697	53.874	ug/l	100
79) 2-Chlorotoluene	12.891	91	949870	52.633	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1071434	53.498	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	108494	54.830	ug/l	100
82) 4-Chlorotoluene	12.983	91	994389	52.976	ug/l	100
83) tert-Butylbenzene	13.202	119	952056	54.647	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	1087654	53.395	ug/l	100
85) sec-Butylbenzene	13.379	105	1387291	53.468	ug/l	100
86) p-Isopropyltoluene	13.495	119	1135093	52.985	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	568988	52.213	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	586517	52.535	ug/l	100
89) n-Butylbenzene	13.818	91	1119974	53.512	ug/l	100
90) Hexachloroethane	14.086	117	206125	53.365	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	510688	51.050	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	52673	53.072	ug/l	100
93) 1,2,4-Trichlorobenzene	15.129	180	341171	53.593	ug/l	100
94) Hexachlorobutadiene	15.226	225	139533	52.766	ug/l	100
95) Naphthalene	15.360	128	858633	54.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	297797	51.526	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032409.D
Acq On : 10 Nov 2025 16:17
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:35:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration

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

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

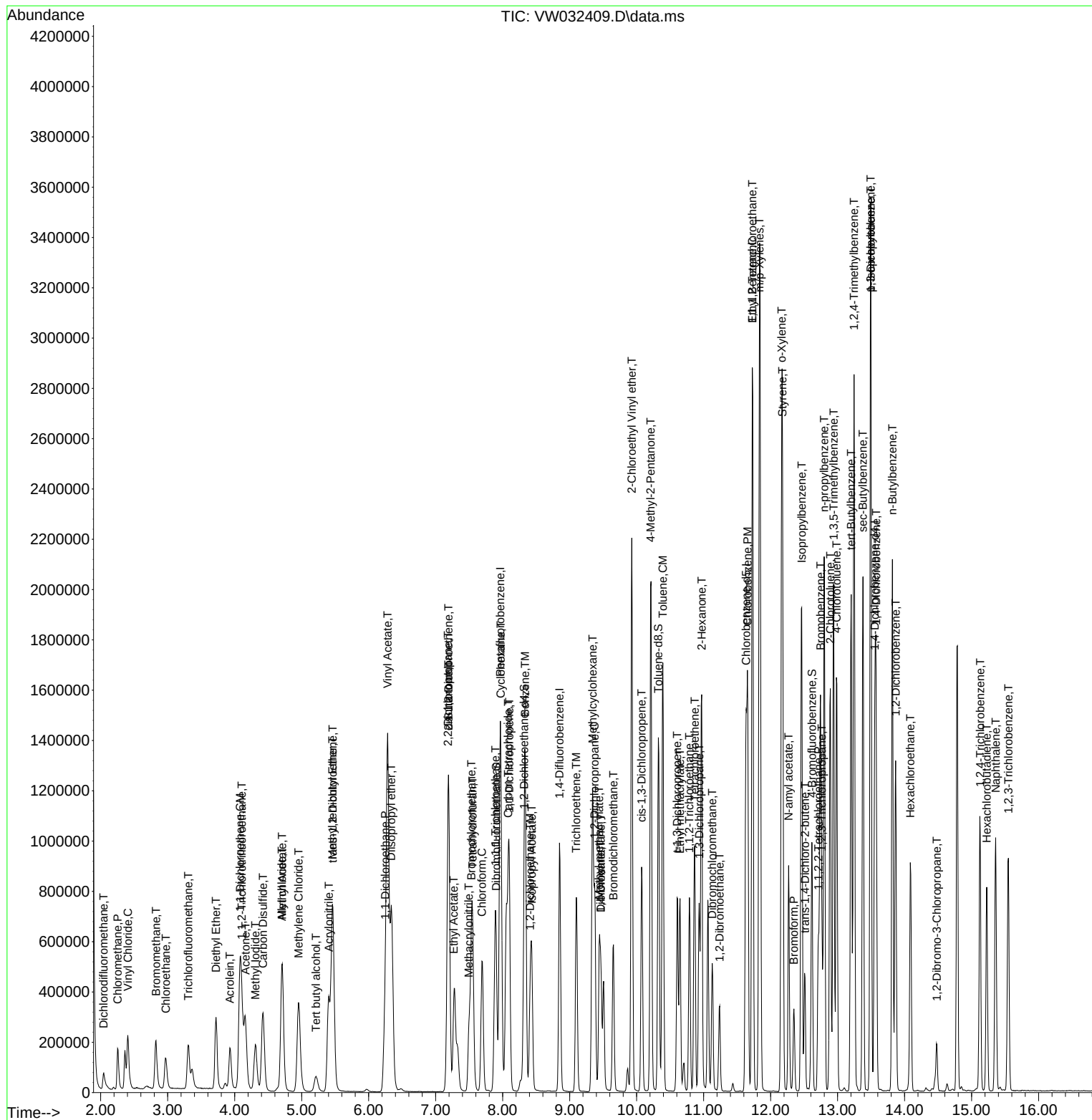
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032409.D
 Acq On : 10 Nov 2025 16:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 11 03:35:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032410.D
 Acq On : 10 Nov 2025 16:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:36:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	429725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	800384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	693653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	316801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	550189	99.309	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 198.620%#			
35) Dibromofluoromethane	7.898	113	474936	99.108	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 198.220%#			
50) Toluene-d8	10.324	98	1818950	98.942	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 197.880%#			
62) 4-Bromofluorobenzene	12.617	95	681369	98.113	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 196.220%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	209198	95.054	ug/l	97
3) Chloromethane	2.253	50	376296	100.692	ug/l	100
4) Vinyl Chloride	2.405	62	466906	98.996	ug/l	96
5) Bromomethane	2.820	94	312741	99.129	ug/l	99
6) Chloroethane	2.966	64	310998	100.786	ug/l	99
7) Trichlorofluoromethane	3.307	101	379643	102.667	ug/l	95
8) Diethyl Ether	3.722	74	301478	99.719	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	393269	97.631	ug/l	100
10) Methyl Iodide	4.307	142	670896	103.409	ug/l	97
11) Tert butyl alcohol	5.216	59	233477	487.365	ug/l	99
12) 1,1-Dichloroethene	4.076	96	462998	100.240	ug/l	98
13) Acrolein	3.929	56	403577	502.106	ug/l	100
14) Allyl chloride	4.703	41	915284	103.044	ug/l	99
15) Acrylonitrile	5.405	53	878664	502.664	ug/l	100
16) Acetone	4.161	43	816608	492.679	ug/l	99
17) Carbon Disulfide	4.417	76	1412864	103.493	ug/l	98
18) Methyl Acetate	4.710	43	409034	99.655	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	967405	99.359	ug/l	99
20) Methylene Chloride	4.953	84	565294	95.367	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	536141	101.514	ug/l	99
22) Diisopropyl ether	6.343	45	1834328	101.428	ug/l	93
23) Vinyl Acetate	6.282	43	6417015	517.894	ug/l	98
24) 1,1-Dichloroethane	6.246	63	1003793	101.307	ug/l	99
25) 2-Butanone	7.191	43	1219983	499.605	ug/l	99
26) 2,2-Dichloropropane	7.191	77	540572	97.893	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	642856	101.868	ug/l	99
28) Bromochloromethane	7.532	49	462255	98.707	ug/l	98
29) Tetrahydrofuran	7.551	42	781708	504.365	ug/l	100
30) Chloroform	7.697	83	980958	101.132	ug/l	98
31) Cyclohexane	7.971	56	861642	94.009	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	701923	101.298	ug/l	100
36) 1,1-Dichloropropene	8.099	75	697975	98.854	ug/l	99
37) Ethyl Acetate	7.270	43	511684	97.458	ug/l	99
38) Carbon Tetrachloride	8.087	117	617665	98.453	ug/l	98
39) Methylcyclohexane	9.343	83	898941	98.279	ug/l	93
40) Benzene	8.337	78	2261437	99.457	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032410.D
 Acq On : 10 Nov 2025 16:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:36:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	292045	101.259	ug/l	98
42) 1,2-Dichloroethane	8.410	62	655360	98.125	ug/l	100
43) Isopropyl Acetate	8.434	43	929467	99.979	ug/l	100
44) Trichloroethene	9.099	130	516649	97.647	ug/l	94
45) 1,2-Dichloropropane	9.373	63	560668	99.027	ug/l	98
46) Dibromomethane	9.465	93	322963	97.615	ug/l	99
47) Bromodichloromethane	9.648	83	769561	101.968	ug/l	97
48) Methyl methacrylate	9.440	41	439533	99.494	ug/l	94
49) 1,4-Dioxane	9.459	88	92138	1987.934	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	2535868	493.417	ug/l	100
52) Toluene	10.391	92	1393077	99.188	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	813483	104.660	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	921332	102.501	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	445589	98.174	ug/l	97
56) Ethyl methacrylate	10.648	69	718120	103.118	ug/l	99
57) 1,3-Dichloropropane	10.934	76	795798	98.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	1907914	514.445	ug/l	100
59) 2-Hexanone	10.971	43	1848731	491.662	ug/l	99
60) Dibromochloromethane	11.129	129	512808	101.174	ug/l	99
61) 1,2-Dibromoethane	11.239	107	434659	98.325	ug/l	99
64) Tetrachloroethene	10.867	164	419713	102.178	ug/l	93
65) Chlorobenzene	11.660	112	1515655	101.377	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	479510	103.634	ug/l	99
67) Ethyl Benzene	11.727	91	2656753	102.700	ug/l	99
68) m/p-Xylenes	11.836	106	1963495	202.156	ug/l	99
69) o-Xylene	12.166	106	969597	104.258	ug/l	97
70) Styrene	12.178	104	1681973	105.135	ug/l	99
71) Bromoform	12.348	173	284967	103.980	ug/l #	98
73) Isopropylbenzene	12.464	105	2395772	102.968	ug/l	100
74) N-amyl acetate	12.269	43	845015	104.515	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	551839	99.938	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	393778m	90.639	ug/l	
77) Bromobenzene	12.745	156	546510	99.206	ug/l	92
78) n-propylbenzene	12.800	91	2892121	102.070	ug/l	99
79) 2-Chlorotoluene	12.891	91	1767116	102.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1955044	101.850	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	204550	107.855	ug/l	97
82) 4-Chlorotoluene	12.989	91	1810987	100.663	ug/l	99
83) tert-Butylbenzene	13.202	119	1702452	101.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	1945604	99.654	ug/l	98
85) sec-Butylbenzene	13.379	105	2472114	99.408	ug/l	100
86) p-Isopropyltoluene	13.495	119	2083658	101.480	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	1051226	100.648	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	1050230	98.149	ug/l	99
89) n-Butylbenzene	13.818	91	2017115	100.554	ug/l	100
90) Hexachloroethane	14.092	117	379045	102.388	ug/l	97
91) 1,2-Dichlorobenzene	13.866	146	955867	99.694	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	96032	100.954	ug/l	97
93) 1,2,4-Trichlorobenzene	15.128	180	615828	100.931	ug/l	96
94) Hexachlorobutadiene	15.226	225	255953	100.987	ug/l	98
95) Naphthalene	15.360	128	1638729	107.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	557493	100.642	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032410.D
Acq On : 10 Nov 2025 16:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration

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

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

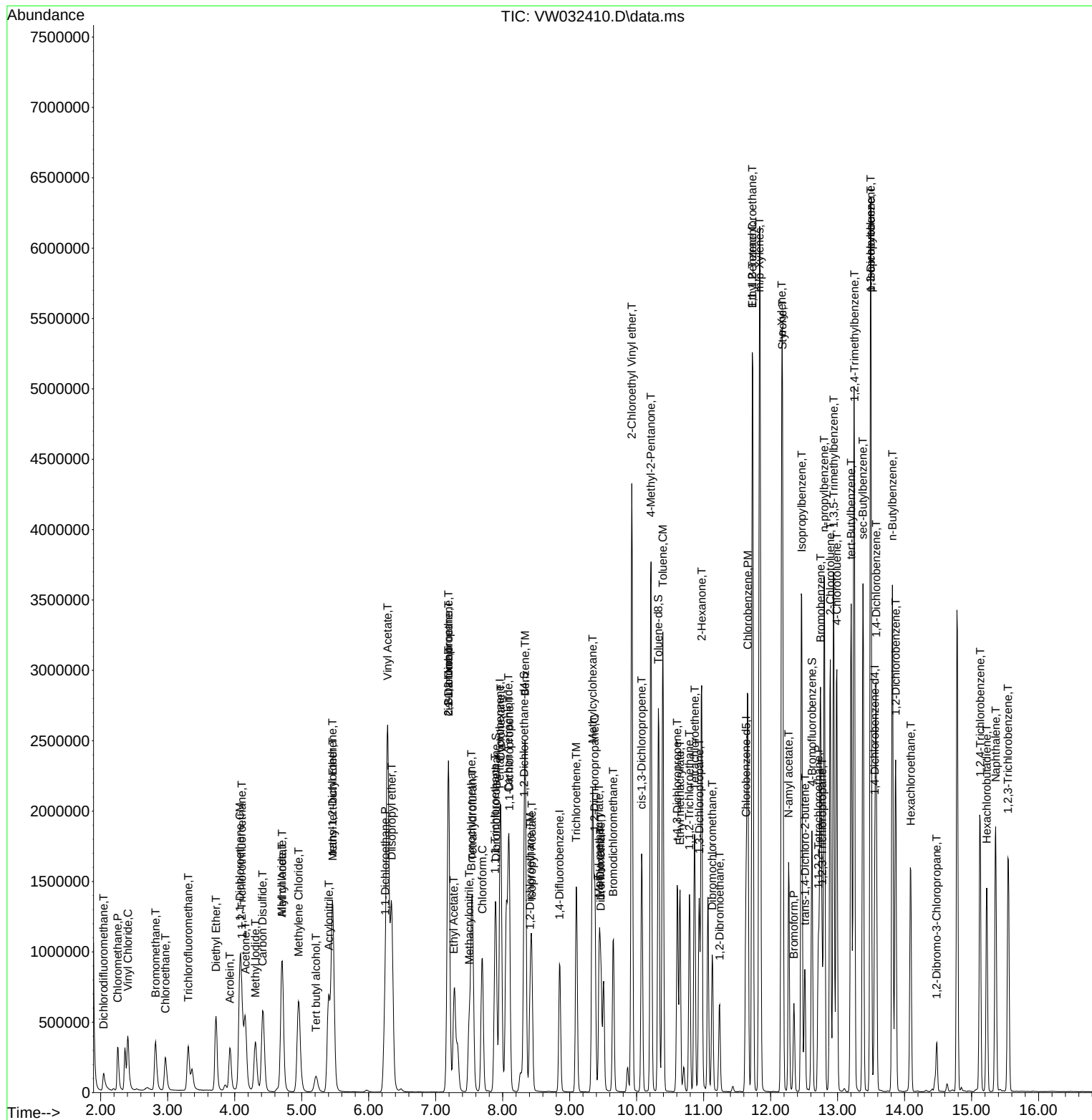
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Data File : VW032410.D
Acq On : 10 Nov 2025 16:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032411.D
 Acq On : 10 Nov 2025 17:00
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:37:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	435986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	797552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	719357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	315359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	823539	146.514	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 293.020%#			
35) Dibromofluoromethane	7.904	113	696957	145.955	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 291.920%#			
50) Toluene-d8	10.325	98	2691800	146.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 293.880%#			
62) 4-Bromofluorobenzene	12.617	95	1007366	145.569	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.140%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	300485	134.572	ug/l	98
3) Chloromethane	2.253	50	575315	151.736	ug/l	99
4) Vinyl Chloride	2.405	62	690759	144.355	ug/l	100
5) Bromomethane	2.814	94	468539	146.379	ug/l	97
6) Chloroethane	2.966	64	463613	148.087	ug/l	100
7) Trichlorofluoromethane	3.308	101	591071	157.548	ug/l	95
8) Diethyl Ether	3.716	74	454616	148.213	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	586837	143.593	ug/l	100
10) Methyl Iodide	4.301	142	977057	148.436	ug/l	98
11) Tert butyl alcohol	5.216	59	341966	703.576	ug/l	99
12) 1,1-Dichloroethene	4.076	96	684456	146.058	ug/l	95
13) Acrolein	3.930	56	599820	735.542	ug/l	97
14) Allyl chloride	4.704	41	1348651	149.653	ug/l	99
15) Acrylonitrile	5.399	53	1304835	735.748	ug/l	100
16) Acetone	4.161	43	1231978	732.607	ug/l	98
17) Carbon Disulfide	4.417	76	2097048	151.404	ug/l	99
18) Methyl Acetate	4.704	43	637225	153.021	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	1407972	142.531	ug/l	98
20) Methylene Chloride	4.954	84	823132	136.871	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	782759	146.081	ug/l	96
22) Diisopropyl ether	6.338	45	2672365	145.645	ug/l	99
23) Vinyl Acetate	6.283	43	9418125	749.187	ug/l	99
24) 1,1-Dichloroethane	6.246	63	1487877	148.007	ug/l	99
25) 2-Butanone	7.191	43	1820645	734.880	ug/l	99
26) 2,2-Dichloropropane	7.185	77	774362	138.217	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	946132	147.772	ug/l	99
28) Bromochloromethane	7.533	49	689075	145.028	ug/l #	16
29) Tetrahydrofuran	7.551	42	1147539	729.769	ug/l	100
30) Chloroform	7.691	83	1443061	146.635	ug/l	99
31) Cyclohexane	7.972	56	1276256	137.246	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	1016260	144.555	ug/l	98
36) 1,1-Dichloropropene	8.093	75	1045183	148.554	ug/l	99
37) Ethyl Acetate	7.270	43	758180	144.920	ug/l	100
38) Carbon Tetrachloride	8.081	117	935129	149.585	ug/l	98
39) Methylcyclohexane	9.343	83	1368173	150.110	ug/l	94
40) Benzene	8.337	78	3302092	145.740	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032411.D
 Acq On : 10 Nov 2025 17:00
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:37:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	439701	152.996	ug/l	98
42) 1,2-Dichloroethane	8.410	62	977444	146.870	ug/l	100
43) Isopropyl Acetate	8.435	43	1401399	151.278	ug/l	100
44) Trichloroethene	9.099	130	771901	146.409	ug/l	95
45) 1,2-Dichloropropane	9.374	63	828599	146.870	ug/l	98
46) Dibromomethane	9.465	93	477479	144.830	ug/l	97
47) Bromodichloromethane	9.648	83	1152120	153.199	ug/l	97
48) Methyl methacrylate	9.441	41	706671	160.532	ug/l	100
49) 1,4-Dioxane	9.459	88	132273	2864.004	ug/l #	100
51) 4-Methyl-2-Pentanone	10.209	43	3720409	726.470	ug/l	99
52) Toluene	10.392	92	2054324	146.788	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	1212474	156.547	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	1373940	153.398	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	661729	146.312	ug/l	98
56) Ethyl methacrylate	10.648	69	1077015	155.202	ug/l	99
57) 1,3-Dichloropropane	10.934	76	1184554	146.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	2815169	761.770	ug/l	100
59) 2-Hexanone	10.971	43	2707666	722.649	ug/l	99
60) Dibromochloromethane	11.130	129	771162	152.685	ug/l	98
61) 1,2-Dibromoethane	11.233	107	650672	147.713	ug/l	97
64) Tetrachloroethene	10.867	164	618662	145.230	ug/l	88
65) Chlorobenzene	11.654	112	2207255	142.361	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	706156	147.164	ug/l	99
67) Ethyl Benzene	11.727	91	3839407	143.114	ug/l	97
68) m/p-Xylenes	11.837	106	2923713	290.261	ug/l	96
69) o-Xylene	12.166	106	1409302	146.124	ug/l	97
70) Styrene	12.178	104	2411726	145.364	ug/l	99
71) Bromoform	12.349	173	423010	148.835	ug/l #	95
73) Isopropylbenzene	12.459	105	3489900	150.679	ug/l	99
74) N-amyl acetate	12.270	43	1227847	152.560	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	786139	143.021	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	573471m	132.604	ug/l	
77) Bromobenzene	12.745	156	813648	148.374	ug/l	97
78) n-propylbenzene	12.800	91	4246088	150.540	ug/l	99
79) 2-Chlorotoluene	12.891	91	2572090	149.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	2817712	147.463	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	307315	162.783	ug/l	96
82) 4-Chlorotoluene	12.983	91	2684128	149.879	ug/l	100
83) tert-Butylbenzene	13.202	119	2490454	149.829	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	2901660	149.302	ug/l	100
85) sec-Butylbenzene	13.379	105	3673311	148.386	ug/l	100
86) p-Isopropyltoluene	13.495	119	3073760	150.385	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	1509962	145.231	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	1515160	142.246	ug/l	97
89) n-Butylbenzene	13.818	91	3032908	151.884	ug/l	99
90) Hexachloroethane	14.086	117	584015	158.476	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	1407554	147.475	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	145307	153.453	ug/l	94
93) 1,2,4-Trichlorobenzene	15.129	180	938399	154.502	ug/l	98
94) Hexachlorobutadiene	15.232	225	391549	155.194	ug/l	96
95) Naphthalene	15.360	128	2339043	154.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	856827	155.386	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032411.D
Acq On : 10 Nov 2025 17:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:37:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:33:05 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_W\Data\VW111025\
 Data File : VW032411.D
 Acq On : 10 Nov 2025 17:00
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/11/2025

Supervised By :Semsettin Yesilyurt 11/11/2025

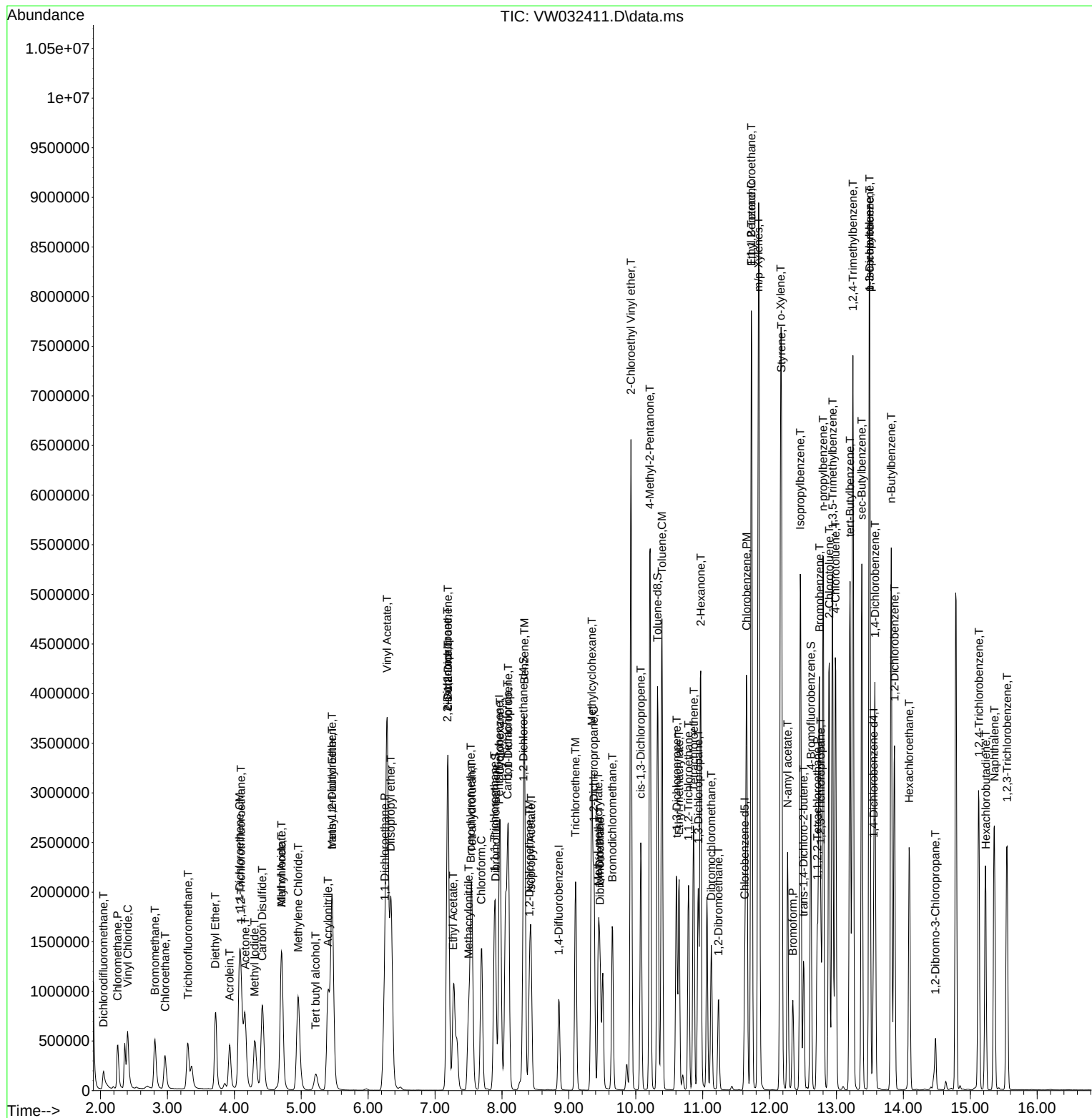
Quant Time: Nov 11 03:37:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Quant Title : SW846 8260

QLast Update : Tue Nov 11 03:33:05 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW111025

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	457772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	826297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	742649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	335568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	292374	49.540	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.080%		
35) Dibromofluoromethane	7.898	113	246711	49.868	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.740%		
50) Toluene-d8	10.325	98	943721	49.724	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.440%		
62) 4-Bromofluorobenzene	12.617	95	362720	50.591	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	103260	44.460	ug/l	97
3) Chloromethane	2.253	50	191682	48.149	ug/l	100
4) Vinyl Chloride	2.405	62	236975	47.166	ug/l	95
5) Bromomethane	2.826	94	161727	48.121	ug/l	98
6) Chloroethane	2.966	64	157091	47.790	ug/l	99
7) Trichlorofluoromethane	3.308	101	198210	50.318	ug/l	93
8) Diethyl Ether	3.722	74	155105	48.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	203133	47.339	ug/l	99
10) Methyl Iodide	4.314	142	345049	49.926	ug/l	97
11) Tert butyl alcohol	5.210	59	123907	242.799	ug/l	100
12) 1,1-Dichloroethene	4.082	96	232539	47.260	ug/l	97
13) Acrolein	3.930	56	205590	240.111	ug/l	100
14) Allyl chloride	4.710	41	463711	49.007	ug/l	99
15) Acrylonitrile	5.405	53	461322	247.743	ug/l	100
16) Acetone	4.161	43	446031	252.613	ug/l	99
17) Carbon Disulfide	4.423	76	712178	48.971	ug/l	99
18) Methyl Acetate	4.710	43	222685	50.930	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	521562	50.286	ug/l	99
20) Methylene Chloride	4.960	84	292767	46.365	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	264891	47.082	ug/l	99
22) Diisopropyl ether	6.338	45	949736	49.298	ug/l	99
23) Vinyl Acetate	6.283	43	3293228	249.500	ug/l	99
24) 1,1-Dichloroethane	6.246	63	510813	48.395	ug/l	98
25) 2-Butanone	7.191	43	649663	249.748	ug/l	100
26) 2,2-Dichloropropane	7.191	77	278144	47.283	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	326672	48.593	ug/l	100
28) Bromochloromethane	7.533	49	238363	47.780	ug/l	97
29) Tetrahydrofuran	7.551	42	415747	251.809	ug/l	99
30) Chloroform	7.697	83	496469	48.047	ug/l	98
31) Cyclohexane	7.972	56	441733	45.242	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	359677	48.726	ug/l	100
36) 1,1-Dichloropropene	8.100	75	354738	48.666	ug/l	99
37) Ethyl Acetate	7.277	43	273800	50.514	ug/l	99
38) Carbon Tetrachloride	8.087	117	311936	48.162	ug/l	96
39) Methylcyclohexane	9.343	83	450888	47.748	ug/l	89
40) Benzene	8.337	78	1144488	48.756	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW111025

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	152683	51.279	ug/l	98
42) 1,2-Dichloroethane	8.410	62	338257	49.058	ug/l	99
43) Isopropyl Acetate	8.435	43	482186	50.240	ug/l	100
44) Trichloroethene	9.099	130	256771	47.008	ug/l	98
45) 1,2-Dichloropropane	9.374	63	284966	48.753	ug/l	100
46) Dibromomethane	9.465	93	170725	49.983	ug/l	97
47) Bromodichloromethane	9.648	83	381617	48.979	ug/l	96
48) Methyl methacrylate	9.441	41	226548	49.674	ug/l	95
49) 1,4-Dioxane	9.465	88	46205	965.638	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1355743	255.521	ug/l	99
52) Toluene	10.392	92	697639	48.115	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	398178	49.622	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	460102	49.583	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	223598	47.719	ug/l	98
56) Ethyl methacrylate	10.648	69	367486	51.114	ug/l	99
57) 1,3-Dichloropropane	10.934	76	411537	49.175	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	949029	247.869	ug/l	99
59) 2-Hexanone	10.965	43	984290	253.559	ug/l	100
60) Dibromochloromethane	11.129	129	255752	48.876	ug/l	98
61) 1,2-Dibromoethane	11.233	107	225223	49.350	ug/l	99
64) Tetrachloroethene	10.861	164	210025	47.757	ug/l	90
65) Chlorobenzene	11.654	112	772847	48.283	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	234293	47.296	ug/l	97
67) Ethyl Benzene	11.727	91	1336202	48.245	ug/l	95
68) m/p-Xylenes	11.837	106	1020533	98.139	ug/l	99
69) o-Xylene	12.166	106	485568	48.767	ug/l	98
70) Styrene	12.178	104	858740	50.136	ug/l	98
71) Bromoform	12.349	173	147519	50.276	ug/l #	95
73) Isopropylbenzene	12.459	105	1201571	48.754	ug/l	99
74) N-amyl acetate	12.270	43	439444	51.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	289144	49.435	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	209388m	45.507	ug/l	
77) Bromobenzene	12.745	156	290897	49.852	ug/l	98
78) n-propylbenzene	12.800	91	1506843	50.206	ug/l	98
79) 2-Chlorotoluene	12.891	91	908334	49.577	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	1005706	49.463	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	102563	51.055	ug/l	99
82) 4-Chlorotoluene	12.983	91	944717	49.575	ug/l	99
83) tert-Butylbenzene	13.202	119	883415	49.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1029723	49.793	ug/l	100
85) sec-Butylbenzene	13.379	105	1278459	48.534	ug/l	98
86) p-Isopropyltoluene	13.495	119	1070542	49.222	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	546952	49.439	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	549573	48.488	ug/l	99
89) n-Butylbenzene	13.818	91	1036054	48.759	ug/l	99
90) Hexachloroethane	14.086	117	191658	48.875	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	491597	48.405	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	50261	49.882	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	322348	49.877	ug/l	96
94) Hexachlorobutadiene	15.232	225	137633	51.267	ug/l	97
95) Naphthalene	15.360	128	806082	50.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	290012	49.427	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032413.D
Acq On : 10 Nov 2025 17:44
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWV111025

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:51:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

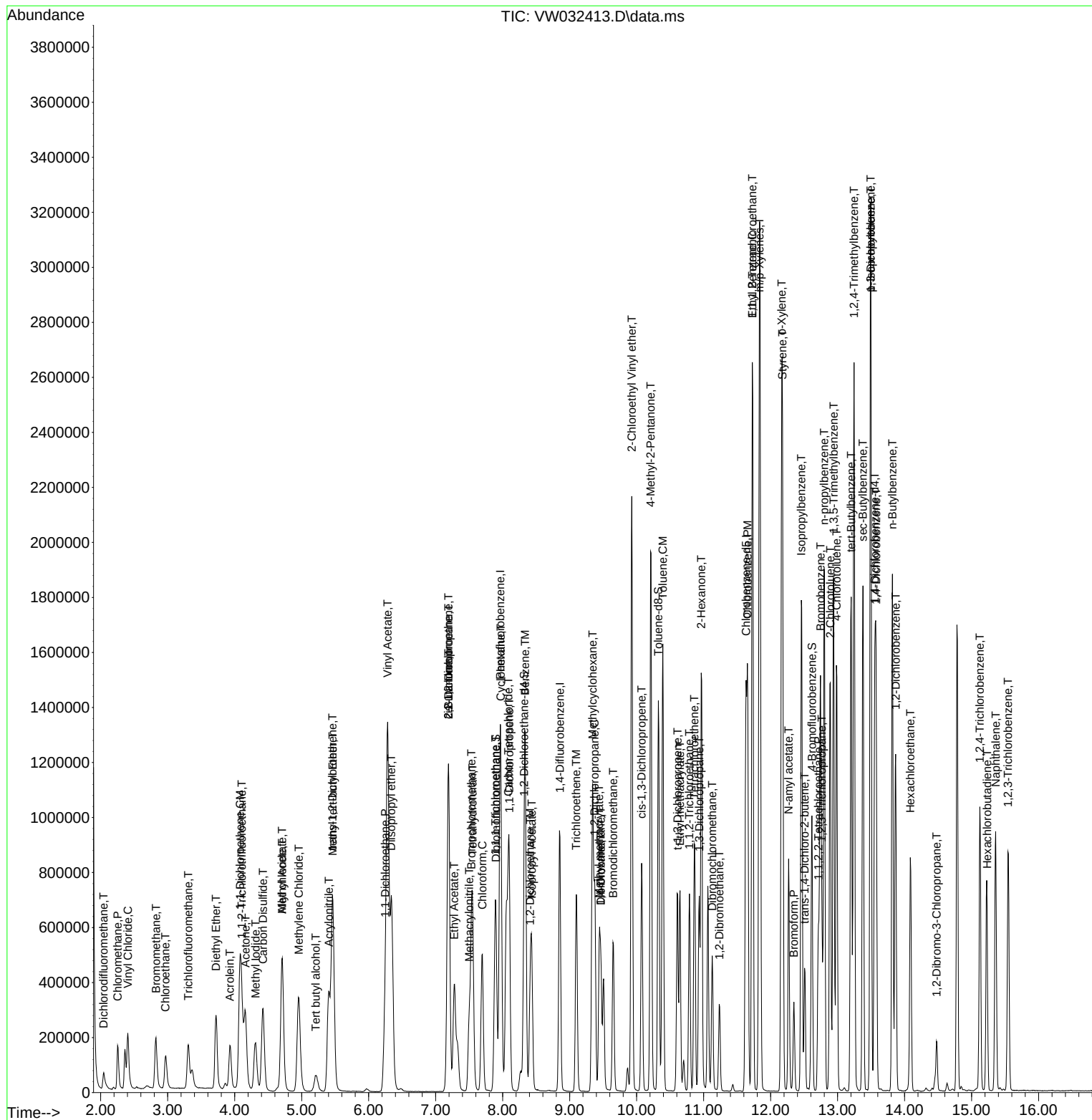
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032413.D
Acq On : 10 Nov 2025 17:44
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW111025

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:51:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW111025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	97	0.00
2 T	Dichlorodifluoromethane	0.254	0.226	11.0	88	0.00
3 P	Chloromethane	0.435	0.419	3.7	99	0.00
4 C	Vinyl Chloride	0.549	0.518	5.6#	93	0.00
5 T	Bromomethane	0.367	0.353	3.8	95	0.00
6 T	Chloroethane	0.359	0.343	4.5	93	0.00
7 T	Trichlorofluoromethane	0.430	0.433	-0.7	91	0.00
8 T	Diethyl Ether	0.352	0.339	3.7	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.469	0.444	5.3	92	0.00
10 T	Methyl Iodide	0.755	0.754	0.1	98	0.00
11 T	Tert butyl alcohol	0.056	0.054	3.6	97	0.00
12 CM	1,1-Dichloroethene	0.537	0.508	5.4#	91	0.00
13 T	Acrolein	0.094	0.090	4.3	96	0.00
14 T	Allyl chloride	1.034	1.013	2.0	94	0.00
15 T	Acrylonitrile	0.203	0.202	0.5	96	0.00
16 T	Acetone	0.193	0.195	-1.0	101	0.00
17 T	Carbon Disulfide	1.588	1.556	2.0	93	0.00
18 T	Methyl Acetate	0.478	0.486	-1.7	101	0.00
19 T	Methyl tert-butyl Ether	1.133	1.139	-0.5	97	0.00
20 T	Methylene Chloride	0.690	0.640	7.2	97	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.579	5.9	93	0.00
22 T	Diisopropyl ether	2.104	2.075	1.4	96	0.00
23 T	Vinyl Acetate	1.442	1.439	0.2	95	0.00
24 P	1,1-Dichloroethane	1.153	1.116	3.2	94	0.00
25 T	2-Butanone	0.284	0.284	0.0	98	0.00
26 T	2,2-Dichloropropane	0.643	0.608	5.4	95	0.00
27 T	cis-1,2-Dichloroethene	0.734	0.714	2.7	95	0.00
28 T	Bromochloromethane	0.545	0.521	4.4	100	0.00
29 T	Tetrahydrofuran	0.180	0.182	-1.1	97	0.00
30 C	Chloroform	1.129	1.085	3.9#	95	0.00
31 T	Cyclohexane	1.066	0.965	9.5	91	0.00
32 T	1,1,1-Trichloroethane	0.806	0.786	2.5	93	0.00
33 S	1,2-Dichloroethane-d4	0.645	0.639	0.9	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.299	0.299	0.0	102	0.00
36 T	1,1-Dichloropropene	0.441	0.429	2.7	93	0.00
37 T	Ethyl Acetate	0.328	0.331	-0.9	97	0.00
38 T	Carbon Tetrachloride	0.392	0.378	3.6	93	0.00
39 T	Methylcyclohexane	0.571	0.546	4.4	90	0.00
40 TM	Benzene	1.420	1.385	2.5	95	0.00
41 T	Methacrylonitrile	0.180	0.185	-2.8	97	0.00
42 TM	1,2-Dichloroethane	0.417	0.409	1.9	96	0.00
43 T	Isopropyl Acetate	0.581	0.584	-0.5	95	0.00
44 TM	Trichloroethene	0.331	0.311	6.0	91	0.00
45 C	1,2-Dichloropropane	0.354	0.345	2.5#	95	0.00
46 T	Dibromomethane	0.207	0.207	0.0	96	0.00
47 T	Bromodichloromethane	0.471	0.462	1.9	94	0.00
48 T	Methyl methacrylate	0.276	0.274	0.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW111025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	0.003	0.003	0.0	90	0.00
50 S	Toluene-d8	1.148	1.142	0.5	99	0.00
51 T	4-Methyl-2-Pentanone	0.321	0.328	-2.2	96	0.00
52 CM	Toluene	0.877	0.844	3.8#	93	0.00
53 T	t-1,3-Dichloropropene	0.486	0.482	0.8	94	0.00
54 T	cis-1,3-Dichloropropene	0.562	0.557	0.9	95	0.00
55 T	1,1,2-Trichloroethane	0.284	0.271	4.6	91	0.00
56 T	Ethyl methacrylate	0.435	0.445	-2.3	96	0.00
57 T	1,3-Dichloropropane	0.506	0.498	1.6	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.232	0.230	0.9	100	0.00
59 T	2-Hexanone	0.235	0.238	-1.3	96	0.00
60 T	Dibromochloromethane	0.317	0.310	2.2	95	0.00
61 T	1,2-Dibromoethane	0.276	0.273	1.1	96	0.00
62 S	4-Bromofluorobenzene	0.434	0.439	-1.2	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.296	0.283	4.4	95	0.00
65 PM	Chlorobenzene	1.078	1.041	3.4	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.334	0.315	5.7	94	0.00
67 C	Ethyl Benzene	1.865	1.799	3.5#	93	0.00
68 T	m/p-Xylenes	0.700	0.687	1.9	94	0.00
69 T	o-Xylene	0.670	0.654	2.4	97	0.00
70 T	Styrene	1.153	1.156	-0.3	96	0.00
71 P	Bromoform	0.198	0.199	-0.5	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.672	3.581	2.5	92	0.00
74 T	N-amyl acetate	1.276	1.310	-2.7	95	0.00
75 P	1,1,2,2-Tetrachloroethane	0.871	0.862	1.0	94	0.00
76 T	1,2,3-Trichloropropane	0.686	0.624	9.0	94	0.00
77 T	Bromobenzene	0.869	0.867	0.2	93	0.00
78 T	n-propylbenzene	4.472	4.490	-0.4	95	0.00
79 T	2-Chlorotoluene	2.730	2.707	0.8	96	0.00
80 T	1,3,5-Trimethylbenzene	3.030	2.997	1.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.299	0.306	-2.3	95	0.00
82 T	4-Chlorotoluene	2.839	2.815	0.8	95	0.00
83 T	tert-Butylbenzene	2.635	2.633	0.1	93	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.069	0.4	95	0.00
85 T	sec-Butylbenzene	3.925	3.810	2.9	92	0.00
86 T	p-Isopropyltoluene	3.241	3.190	1.6	94	0.00
87 T	1,3-Dichlorobenzene	1.648	1.630	1.1	96	0.00
88 T	1,4-Dichlorobenzene	1.689	1.638	3.0	94	0.00
89 T	n-Butylbenzene	3.166	3.087	2.5	93	0.00
90 T	Hexachloroethane	0.584	0.571	2.2	93	0.00
91 T	1,2-Dichlorobenzene	1.513	1.465	3.2	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.150	0.150	0.0	95	0.00
93 T	1,2,4-Trichlorobenzene	0.963	0.961	0.2	94	0.00
94 T	Hexachlorobutadiene	0.400	0.410	-2.5	99	0.00
95 T	Naphthalene	2.401	2.402	-0.0	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032413.D
Acq On : 10 Nov 2025 17:44
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWV111025

Quant Time: Nov 11 03:51:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	0.874	0.864	1.1	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVWVW111025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	97	0.00
2 T	Dichlorodifluoromethane	50.000	44.460	11.1	88	0.00
3 P	Chloromethane	50.000	48.149	3.7	99	0.00
4 C	Vinyl Chloride	50.000	47.166	5.7#	93	0.00
5 T	Bromomethane	50.000	48.121	3.8	95	0.00
6 T	Chloroethane	50.000	47.790	4.4	93	0.00
7 T	Trichlorofluoromethane	50.000	50.318	-0.6	91	0.00
8 T	Diethyl Ether	50.000	48.160	3.7	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.339	5.3	92	0.00
10 T	Methyl Iodide	50.000	49.926	0.1	98	0.00
11 T	Tert butyl alcohol	250.000	242.799	2.9	97	0.00
12 CM	1,1-Dichloroethene	50.000	47.260	5.5#	91	0.00
13 T	Acrolein	250.000	240.111	4.0	96	0.00
14 T	Allyl chloride	50.000	49.007	2.0	94	0.00
15 T	Acrylonitrile	250.000	247.743	0.9	96	0.00
16 T	Acetone	250.000	252.613	-1.0	101	0.00
17 T	Carbon Disulfide	50.000	48.971	2.1	93	0.00
18 T	Methyl Acetate	50.000	50.930	-1.9	101	0.00
19 T	Methyl tert-butyl Ether	50.000	50.286	-0.6	97	0.00
20 T	Methylene Chloride	50.000	46.365	7.3	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.082	5.8	93	0.00
22 T	Diisopropyl ether	50.000	49.298	1.4	96	0.00
23 T	Vinyl Acetate	250.000	249.500	0.2	95	0.00
24 P	1,1-Dichloroethane	50.000	48.395	3.2	94	0.00
25 T	2-Butanone	250.000	249.748	0.1	98	0.00
26 T	2,2-Dichloropropane	50.000	47.283	5.4	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.593	2.8	95	0.00
28 T	Bromochloromethane	50.000	47.780	4.4	100	0.00
29 T	Tetrahydrofuran	250.000	251.809	-0.7	97	0.00
30 C	Chloroform	50.000	48.047	3.9#	95	0.00
31 T	Cyclohexane	50.000	45.242	9.5	91	0.00
32 T	1,1,1-Trichloroethane	50.000	48.726	2.5	93	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.540	0.9	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	49.868	0.3	102	0.00
36 T	1,1-Dichloropropene	50.000	48.666	2.7	93	0.00
37 T	Ethyl Acetate	50.000	50.514	-1.0	97	0.00
38 T	Carbon Tetrachloride	50.000	48.162	3.7	93	0.00
39 T	Methylcyclohexane	50.000	47.748	4.5	90	0.00
40 TM	Benzene	50.000	48.756	2.5	95	0.00
41 T	Methacrylonitrile	50.000	51.279	-2.6	97	0.00
42 TM	1,2-Dichloroethane	50.000	49.058	1.9	96	0.00
43 T	Isopropyl Acetate	50.000	50.240	-0.5	95	0.00
44 TM	Trichloroethene	50.000	47.008	6.0	91	0.00
45 C	1,2-Dichloropropane	50.000	48.753	2.5#	95	0.00
46 T	Dibromomethane	50.000	49.983	0.0	96	0.00
47 T	Bromodichloromethane	50.000	48.979	2.0	94	0.00
48 T	Methyl methacrylate	50.000	49.674	0.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032413.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW111025

Quant Time: Nov 11 03:51:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	965.638	3.4	90	0.00
50 S	Toluene-d8	50.000	49.724	0.6	99	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.521	-2.2	96	0.00
52 CM	Toluene	50.000	48.115	3.8#	93	0.00
53 T	t-1,3-Dichloropropene	50.000	49.622	0.8	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.583	0.8	95	0.00
55 T	1,1,2-Trichloroethane	50.000	47.719	4.6	91	0.00
56 T	Ethyl methacrylate	50.000	51.114	-2.2	96	0.00
57 T	1,3-Dichloropropane	50.000	49.175	1.7	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	247.869	0.9	100	0.00
59 T	2-Hexanone	250.000	253.559	-1.4	96	0.00
60 T	Dibromochloromethane	50.000	48.876	2.2	95	0.00
61 T	1,2-Dibromoethane	50.000	49.350	1.3	96	0.00
62 S	4-Bromofluorobenzene	50.000	50.591	-1.2	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	47.757	4.5	95	0.00
65 PM	Chlorobenzene	50.000	48.283	3.4	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.296	5.4	94	0.00
67 C	Ethyl Benzene	50.000	48.245	3.5#	93	0.00
68 T	m/p-Xylenes	100.000	98.139	1.9	94	0.00
69 T	o-Xylene	50.000	48.767	2.5	97	0.00
70 T	Styrene	50.000	50.136	-0.3	96	0.00
71 P	Bromoform	50.000	50.276	-0.6	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	48.754	2.5	92	0.00
74 T	N-amyl acetate	50.000	51.313	-2.6	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.435	1.1	94	0.00
76 T	1,2,3-Trichloropropane	50.000	45.507	9.0	94	0.00
77 T	Bromobenzene	50.000	49.852	0.3	93	0.00
78 T	n-propylbenzene	50.000	50.206	-0.4	95	0.00
79 T	2-Chlorotoluene	50.000	49.577	0.8	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.463	1.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.055	-2.1	95	0.00
82 T	4-Chlorotoluene	50.000	49.575	0.8	95	0.00
83 T	tert-Butylbenzene	50.000	49.947	0.1	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.793	0.4	95	0.00
85 T	sec-Butylbenzene	50.000	48.534	2.9	92	0.00
86 T	p-Isopropyltoluene	50.000	49.222	1.6	94	0.00
87 T	1,3-Dichlorobenzene	50.000	49.439	1.1	96	0.00
88 T	1,4-Dichlorobenzene	50.000	48.488	3.0	94	0.00
89 T	n-Butylbenzene	50.000	48.759	2.5	93	0.00
90 T	Hexachloroethane	50.000	48.875	2.3	93	0.00
91 T	1,2-Dichlorobenzene	50.000	48.405	3.2	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.882	0.2	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.877	0.2	94	0.00
94 T	Hexachlorobutadiene	50.000	51.267	-2.5	99	0.00
95 T	Naphthalene	50.000	50.016	-0.0	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032413.D
Acq On : 10 Nov 2025 17:44
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWV111025

Quant Time: Nov 11 03:51:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	49.427	1.1	97	0.00

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>11/26/2025</u> <u>11/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>08:04</u> <u>10:02</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (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	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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01
 Lab Code: ACE SDG No.: Q3719
 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	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.

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
-----ISTD-----										
63)	I	Chlorobenzene-d5								
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
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
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

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

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

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

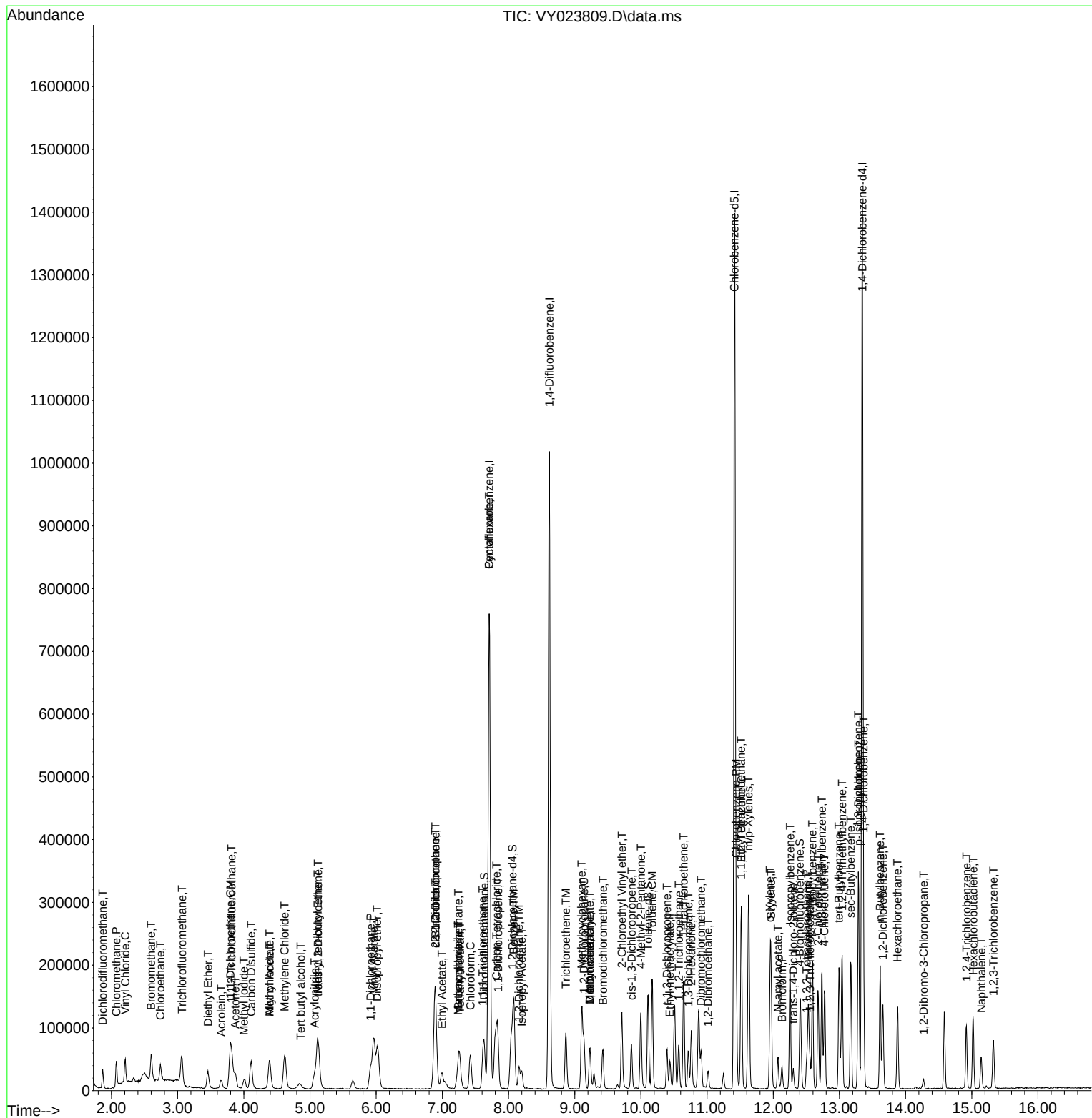
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023809.D
Acq On : 26 Nov 2025 08:04
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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



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)

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

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)
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

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

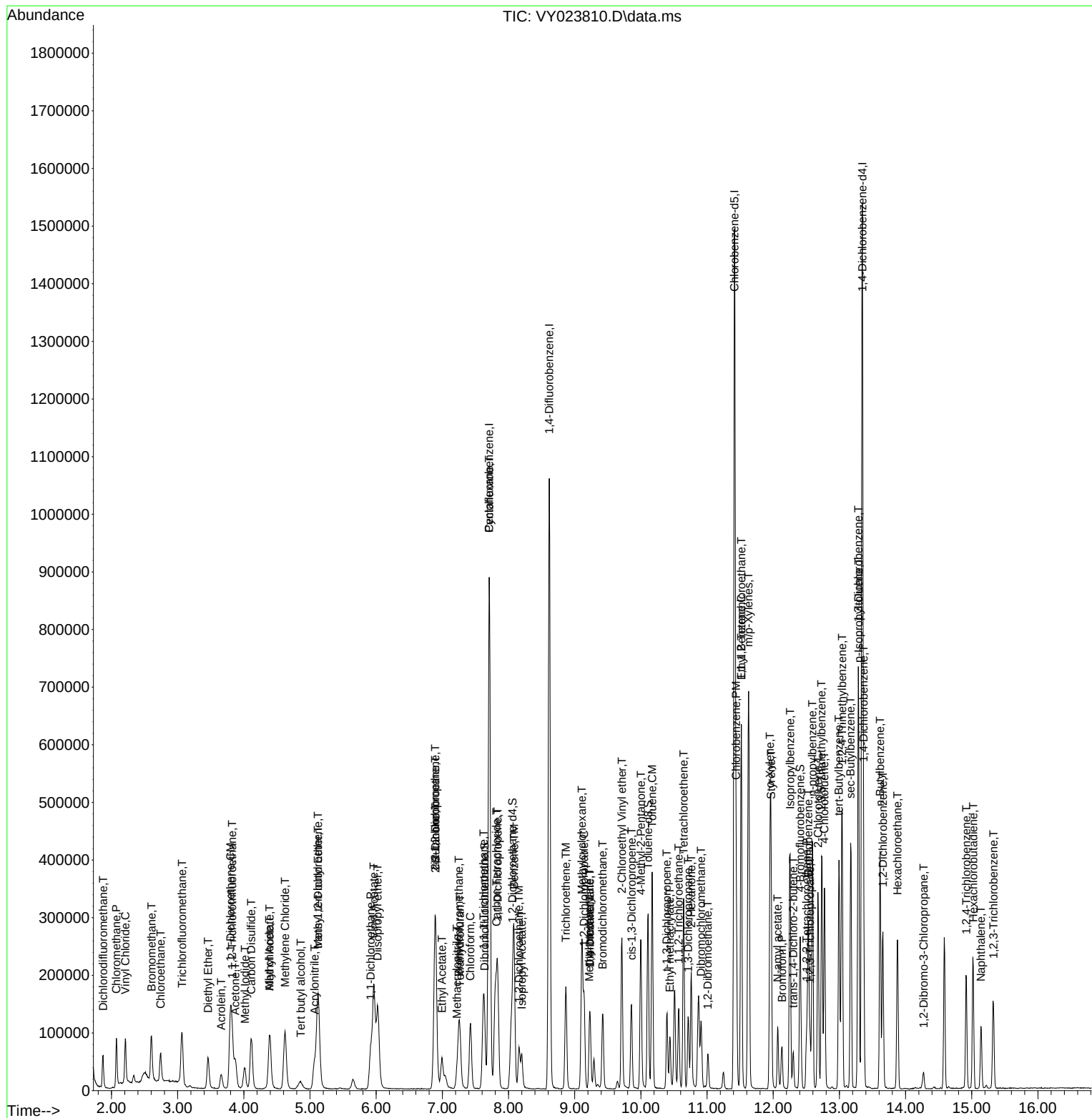
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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



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

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)
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

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

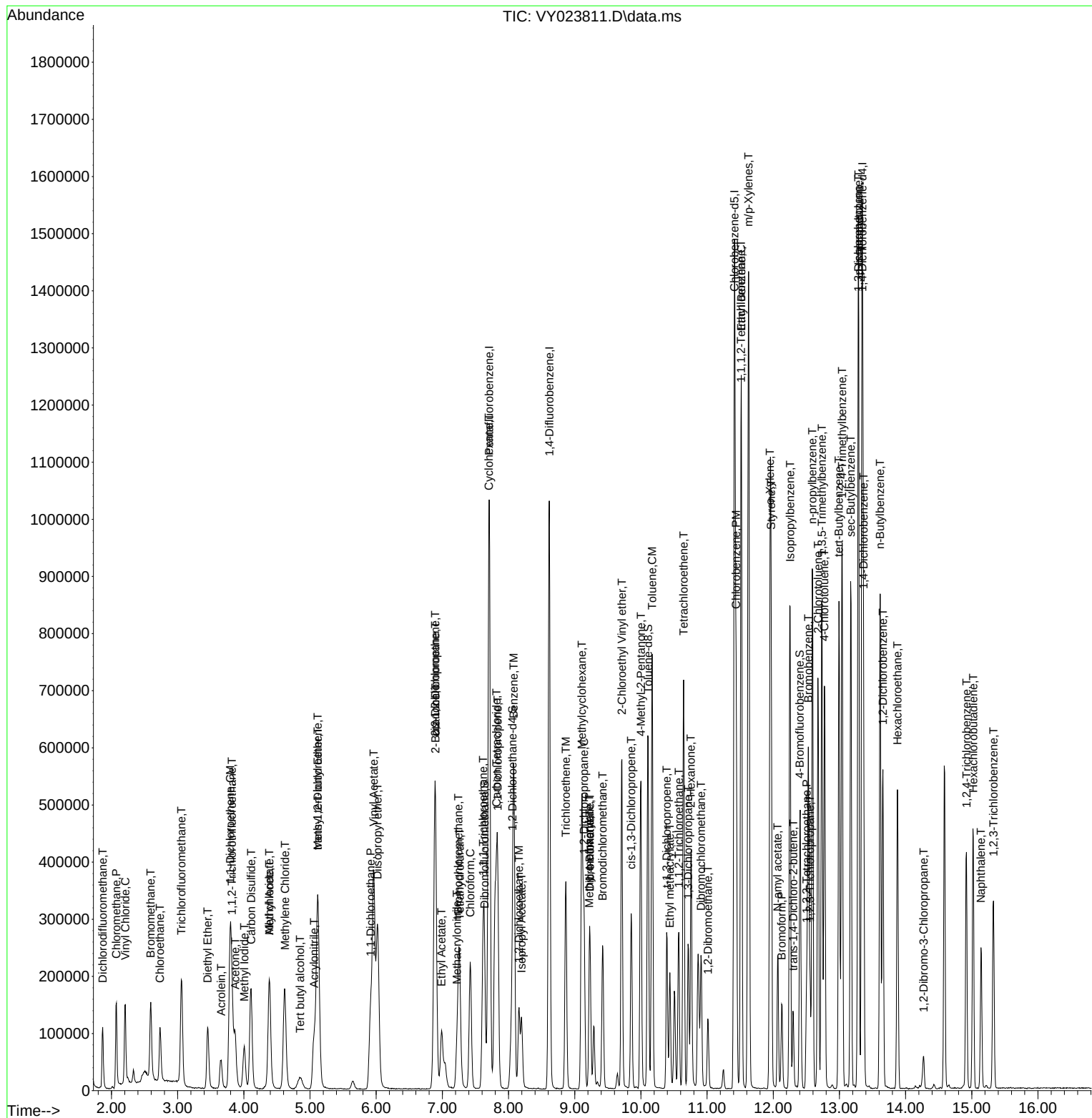
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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



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)

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

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)
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	100
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

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

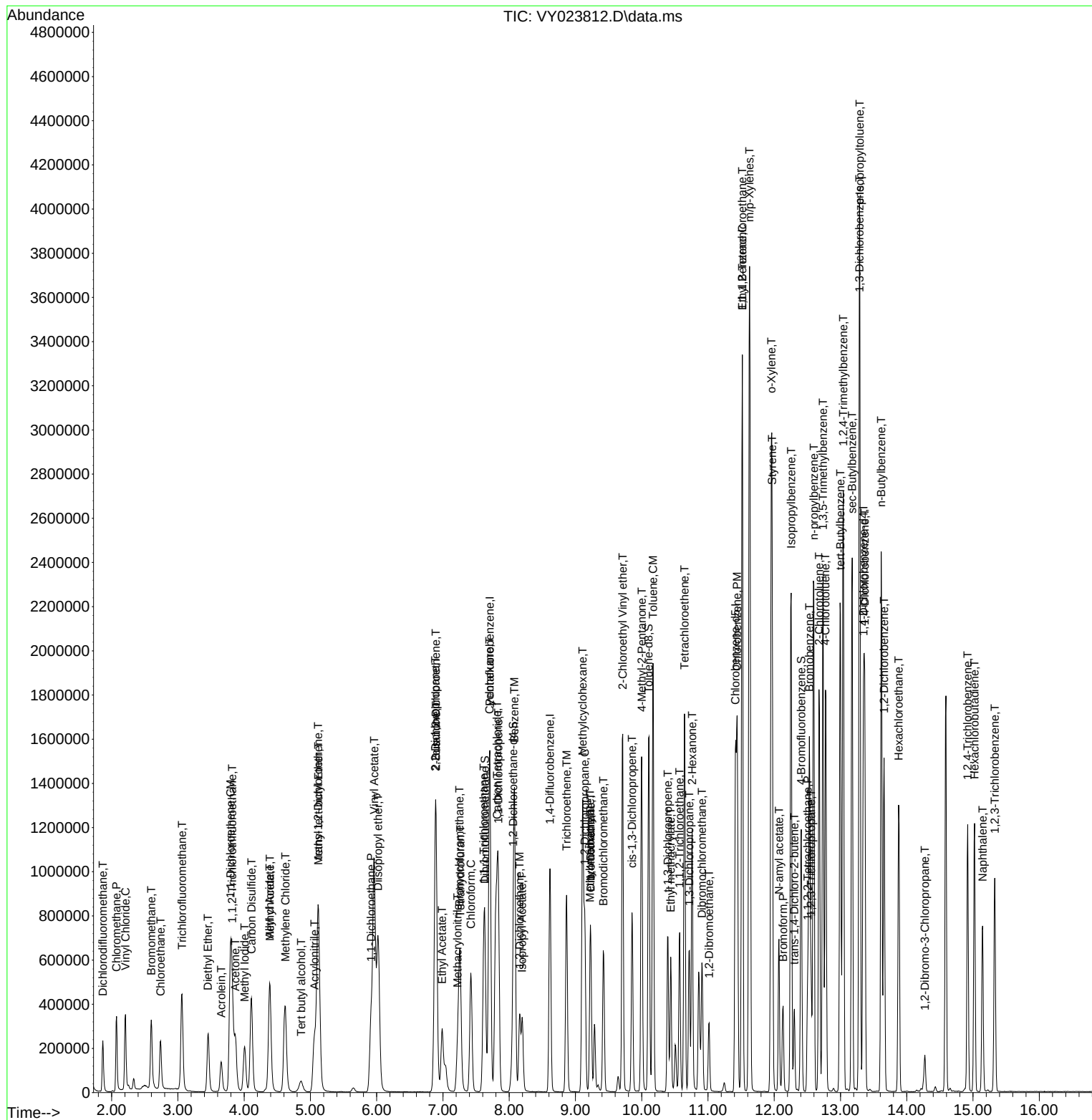
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023812.D
 Acq On : 26 Nov 2025 09:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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



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)

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

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)
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

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

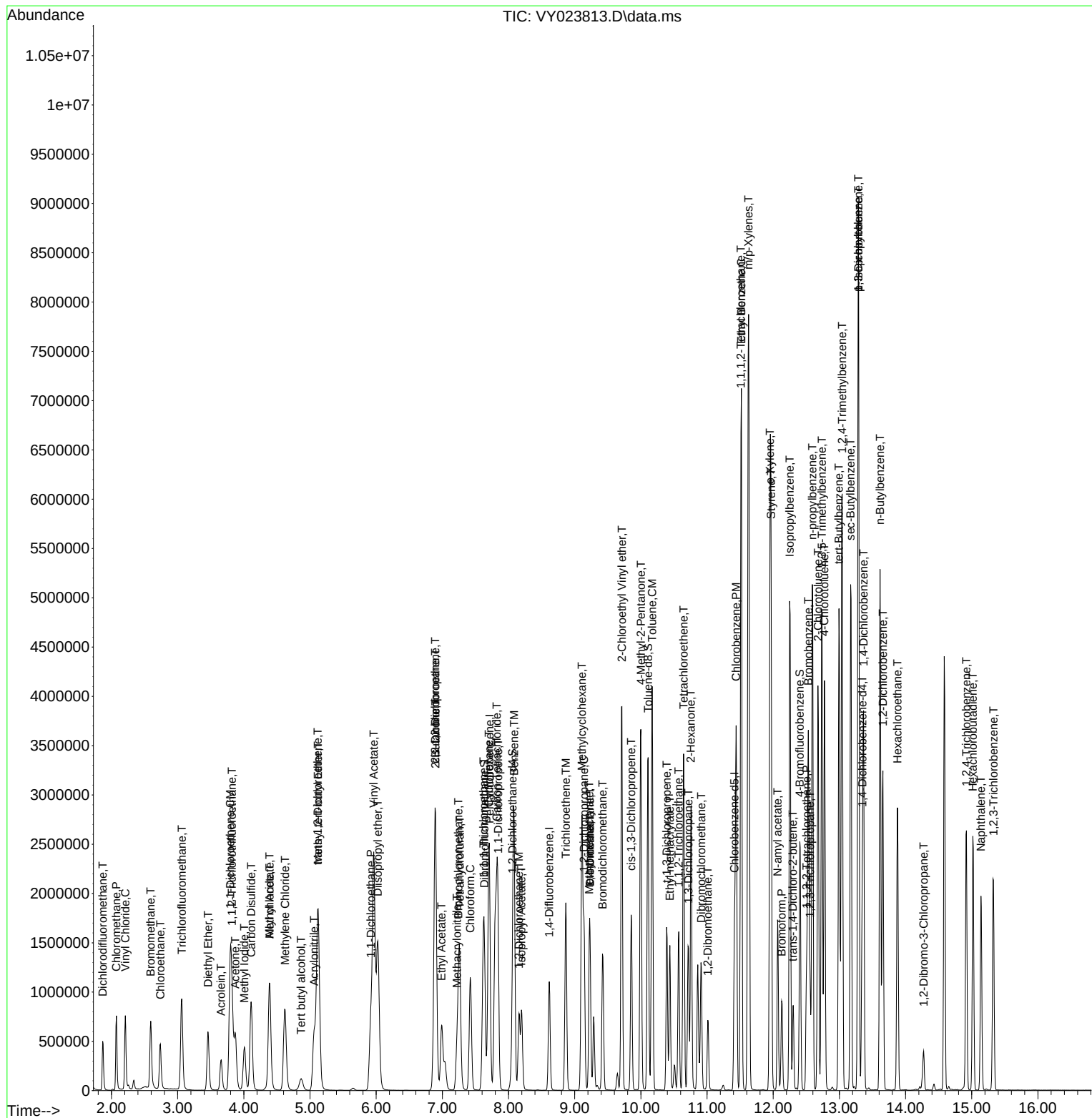
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023813.D
Acq On : 26 Nov 2025 09:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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



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

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

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

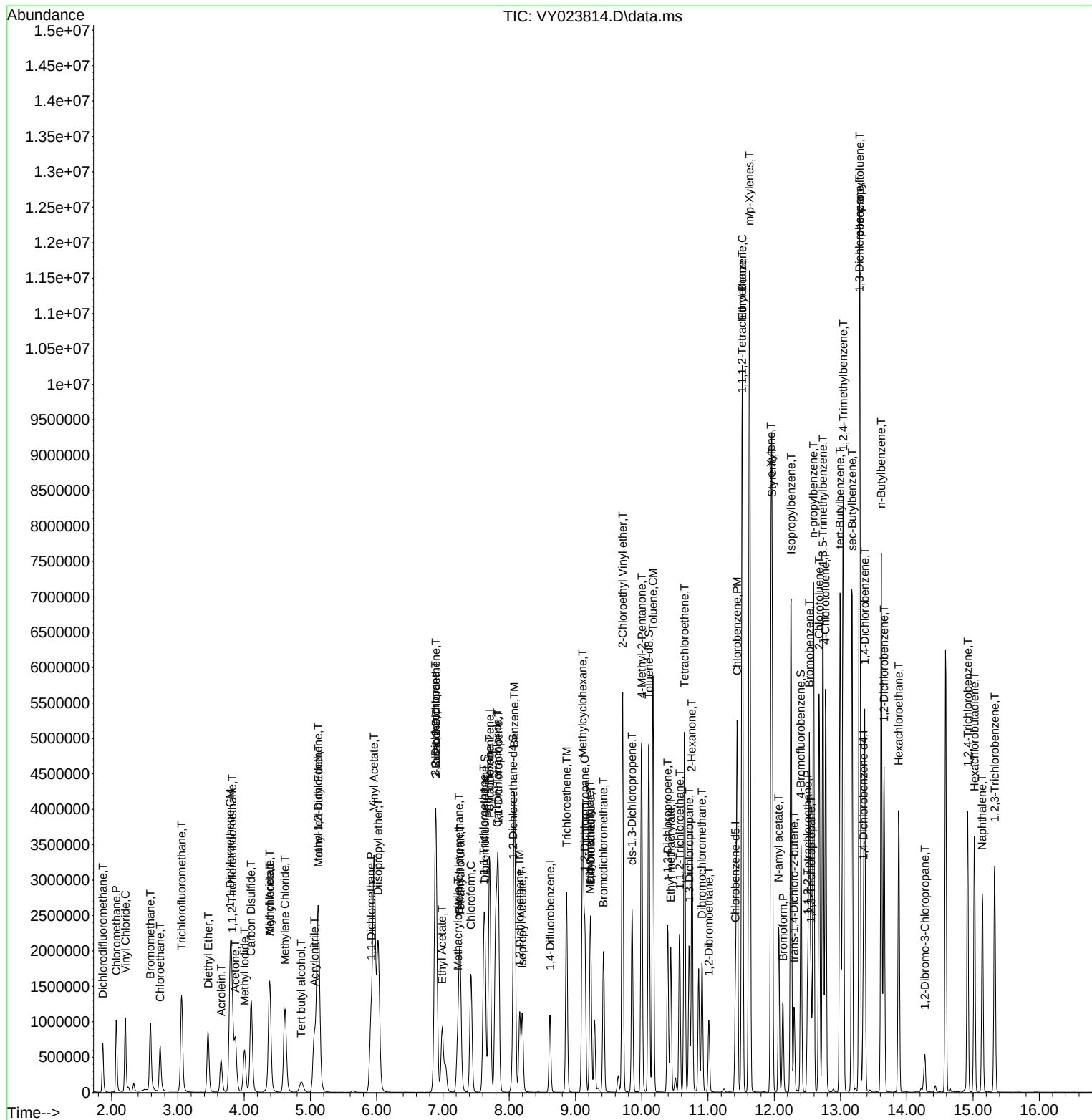
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023814.D
 Acq On : 26 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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



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

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	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

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)
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

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

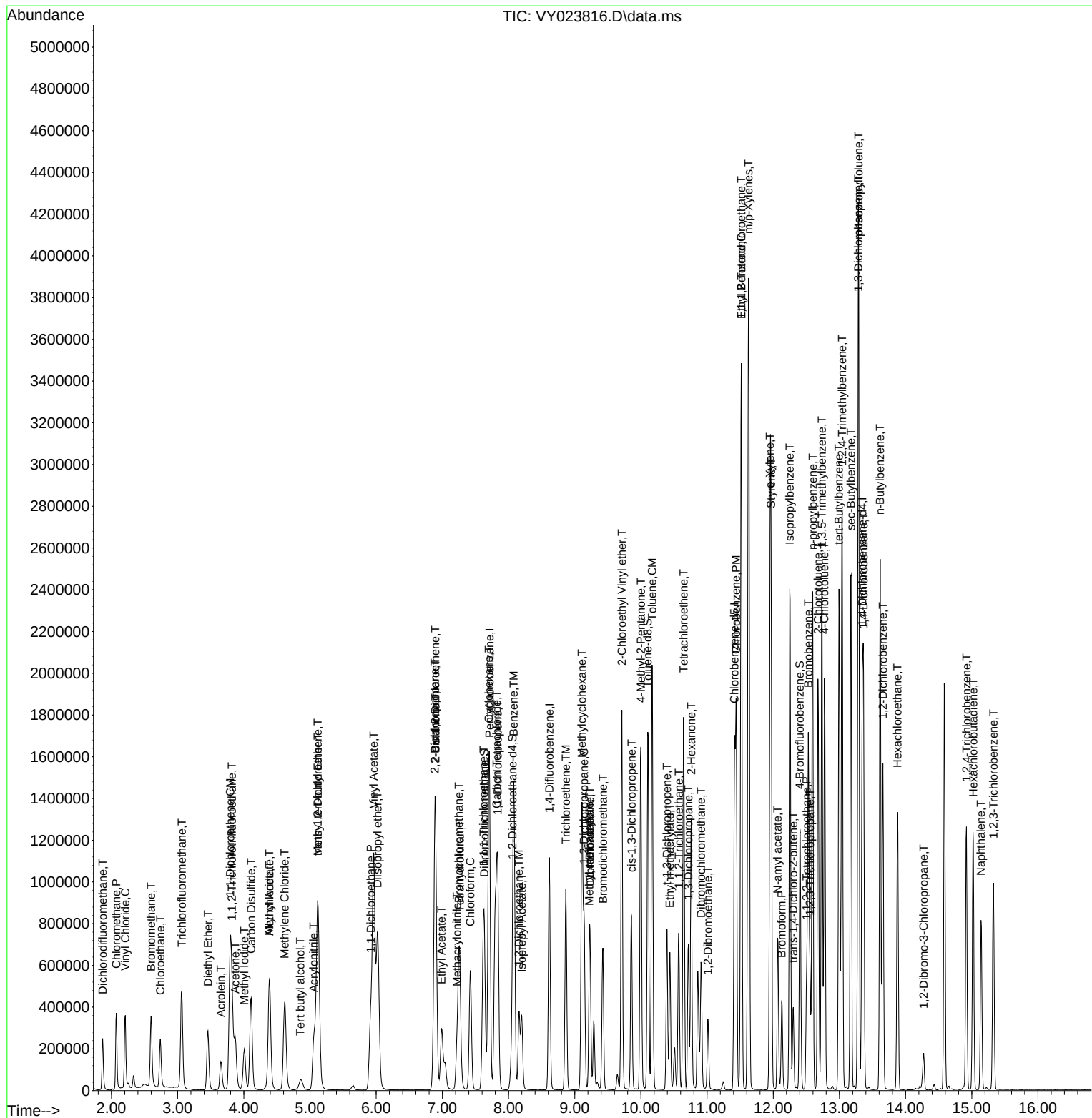
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
Data File : VY023816.D
Acq On    : 26 Nov 2025  10:50
Operator  : SY/MD
Sample    : VSTDICV050
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 10    Sample Multiplier: 1
```

Instrument :
MSVOA_Y
ClientSampleId :
ICVY112625

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



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

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 :
 ICSVY112625

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

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

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

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-ethyl 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

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

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY112625

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

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.877	-1.8	108	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>11/25/2025 09:00</u>
Lab File ID:	<u>VW032529.D</u>	Init. Calib. Date(s):	<u>11/10/2025 11/10/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>15:11 17:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.272		7.09	20
Chloromethane	0.435	0.456	0.1	4.83	20
Vinyl Chloride	0.549	0.602		9.65	20
Bromomethane	0.367	0.383		4.36	20
Chloroethane	0.359	0.379		5.57	20
Trichlorofluoromethane	0.430	0.418		-2.79	20
1,1,2-Trichlorotrifluoroethane	0.469	0.520		10.87	20
1,1-Dichloroethene	0.537	0.579		7.82	20
Acetone	0.193	0.192		-0.52	20
Carbon Disulfide	1.588	1.667		4.97	20
Methyl tert-butyl Ether	1.133	1.160		2.38	20
Methyl Acetate	0.478	0.525		9.83	20
Methylene Chloride	0.690	0.705		2.17	20
trans-1,2-Dichloroethene	0.615	0.669		8.78	20
1,1-Dichloroethane	1.153	1.289	0.1	11.8	20
Cyclohexane	1.066	1.125		5.53	20
2-Butanone	0.284	0.279		-1.76	20
Carbon Tetrachloride	0.392	0.440		12.24	20
cis-1,2-Dichloroethene	0.734	0.785		6.95	20
Bromochloromethane	0.545	0.573		5.14	20
Chloroform	1.129	1.268		12.31	20
1,1,1-Trichloroethane	0.806	0.892		10.67	20
Methylcyclohexane	0.571	0.622		8.93	20
Benzene	1.420	1.507		6.13	20
1,2-Dichloroethane	0.417	0.450		7.91	20
Trichloroethene	0.331	0.340		2.72	20
1,2-Dichloropropane	0.354	0.381		7.63	20
Bromodichloromethane	0.471	0.505		7.22	20
4-Methyl-2-Pentanone	0.321	0.340		5.92	20
Toluene	0.877	0.963		9.81	20
t-1,3-Dichloropropene	0.486	0.510		4.94	20
cis-1,3-Dichloropropene	0.562	0.601		6.94	20
1,1,2-Trichloroethane	0.284	0.300		5.63	20
2-Hexanone	0.235	0.238		1.28	20
Dibromochloromethane	0.317	0.330		4.1	20
1,2-Dibromoethane	0.276	0.285		3.26	20
Tetrachloroethene	0.296	0.321		8.45	20
Chlorobenzene	1.078	1.128	0.3	4.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>11/25/2025</u> <u>09:00</u>
Lab File ID:	<u>VW032529.D</u>	Init. Calib. Date(s):	<u>11/10/2025</u> <u>11/10/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>15:11</u> <u>17:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	2.017		8.15	20
m/p-Xylenes	0.700	0.779		11.29	20
o-Xylene	0.670	0.721		7.61	20
Styrene	1.153	1.277		10.76	20
Bromoform	0.198	0.210	0.1	6.06	20
Isopropylbenzene	3.672	3.963		7.93	20
1,1,2,2-Tetrachloroethane	0.871	0.929	0.3	6.66	20
1,3-Dichlorobenzene	1.648	1.853		12.44	20
1,4-Dichlorobenzene	1.689	1.832		8.47	20
1,2-Dichlorobenzene	1.513	1.593		5.29	20
1,2-Dibromo-3-Chloropropane	0.150	0.152		1.33	20
1,2,4-Trichlorobenzene	0.963	0.957		-0.62	20
1,2,3-Trichlorobenzene	0.874	0.921		5.38	20
1,2-Dichloroethane-d4	0.645	0.672		4.19	20
Dibromofluoromethane	0.299	0.310		3.68	20
Toluene-d8	1.148	1.197		4.27	20
4-Bromofluorobenzene	0.434	0.438		0.92	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_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	353910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	659809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	585550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	271795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	237697	52.095	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery	= 104.200%		
35) Dibromofluoromethane	7.898	113	204363	51.732	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery	= 103.460%		
50) Toluene-d8	10.324	98	789724	52.109	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery	= 104.220%		
62) 4-Bromofluorobenzene	12.617	95	288717	50.431	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery	= 100.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	96203	53.577	ug/l	94
3) Chloromethane	2.253	50	161270	52.398	ug/l	100
4) Vinyl Chloride	2.405	62	213042	54.847	ug/l	98
5) Bromomethane	2.820	94	135595	52.186	ug/l	92
6) Chloroethane	2.966	64	134258	52.830	ug/l	99
7) Trichlorofluoromethane	3.301	101	147853	48.549	ug/l	90
8) Diethyl Ether	3.722	74	127340	51.143	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	183984	55.460	ug/l	99
10) Methyl Iodide	4.307	142	274793	51.429	ug/l	99
11) Tert butyl alcohol	5.209	59	91011	230.676	ug/l	100
12) 1,1-Dichloroethene	4.069	96	205061	53.907	ug/l	93
13) Acrolein	3.929	56	77696	117.372	ug/l	98
14) Allyl chloride	4.697	41	387540	52.976	ug/l	98
15) Acrylonitrile	5.398	53	383084	266.101	ug/l	99
16) Acetone	4.155	43	340160	249.190	ug/l	98
17) Carbon Disulfide	4.417	76	589846	52.462	ug/l	98
18) Methyl Acetate	4.703	43	185851	54.980	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	410670	51.214	ug/l	99
20) Methylene Chloride	4.953	84	249359	51.080	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	236793	54.439	ug/l	99
22) Diisopropyl ether	6.337	45	796727	53.492	ug/l	97
23) Vinyl Acetate	6.282	43	2687674	263.379	ug/l	99
24) 1,1-Dichloroethane	6.240	63	456185	55.903	ug/l	99
25) 2-Butanone	7.191	43	493694	245.487	ug/l	97
26) 2,2-Dichloropropane	7.179	77	235418	51.765	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	277965	53.482	ug/l	98
28) Bromochloromethane	7.526	49	202678	52.550	ug/l	95
29) Tetrahydrofuran	7.550	42	334987	262.437	ug/l	99
30) Chloroform	7.691	83	448629	56.159	ug/l	94
31) Cyclohexane	7.971	56	398174	52.749	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	315729	55.325	ug/l	98
36) 1,1-Dichloropropene	8.093	75	324476	55.746	ug/l	98
37) Ethyl Acetate	7.270	43	219351	50.680	ug/l	99
38) Carbon Tetrachloride	8.081	117	290271	56.126	ug/l	97
39) Methylcyclohexane	9.343	83	410378	54.424	ug/l	93
40) Benzene	8.337	78	994259	53.043	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	128114	53.884	ug/l	95
42) 1,2-Dichloroethane	8.410	62	296832	53.913	ug/l	98
43) Isopropyl Acetate	8.434	43	388102	50.641	ug/l	99
44) Trichloroethene	9.099	130	224242	51.412	ug/l	96
45) 1,2-Dichloropropane	9.373	63	251539	53.893	ug/l	99
46) Dibromomethane	9.465	93	145263	53.260	ug/l	99
47) Bromodichloromethane	9.648	83	333533	53.609	ug/l	96
48) Methyl methacrylate	9.440	41	192444	52.843	ug/l	99
49) 1,4-Dioxane	9.459	88	38807	1015.672	ug/l #	97
51) 4-Methyl-2-Pentanone	10.208	43	1122985	265.059	ug/l	99
52) Toluene	10.391	92	635528	54.891	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	336762	52.558	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	396661	53.532	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	197663	52.828	ug/l	97
56) Ethyl methacrylate	10.647	69	294875	51.364	ug/l	99
57) 1,3-Dichloropropane	10.934	76	349586	52.312	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	793914	259.677	ug/l	99
59) 2-Hexanone	10.964	43	785135	253.290	ug/l	99
60) Dibromochloromethane	11.129	129	217712	52.104	ug/l	98
61) 1,2-Dibromoethane	11.233	107	187919	51.566	ug/l	100
64) Tetrachloroethene	10.861	164	187807	54.162	ug/l	92
65) Chlorobenzene	11.659	112	660376	52.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.726	131	206458	52.858	ug/l	97
67) Ethyl Benzene	11.726	91	1181320	54.096	ug/l	99
68) m/p-Xylenes	11.836	106	911965	111.228	ug/l	98
69) o-Xylene	12.165	106	422318	53.794	ug/l	98
70) Styrene	12.178	104	747573	55.356	ug/l	99
71) Bromoform	12.348	173	123142	53.228	ug/l #	96
73) Isopropylbenzene	12.458	105	1077179	53.962	ug/l	99
74) N-amyl acetate	12.269	43	353773	51.002	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	252433	53.286	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	213990m	57.420	ug/l	
77) Bromobenzene	12.745	156	246305	52.115	ug/l	94
78) n-propylbenzene	12.799	91	1384706	56.962	ug/l	98
79) 2-Chlorotoluene	12.891	91	795584	53.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	917204	55.695	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	84161	51.725	ug/l	93
82) 4-Chlorotoluene	12.982	91	833615	54.009	ug/l	97
83) tert-Butylbenzene	13.202	119	778905	54.371	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	905564	54.063	ug/l	98
85) sec-Butylbenzene	13.379	105	1177159	55.174	ug/l	99
86) p-Isopropyltoluene	13.494	119	975222	55.361	ug/l	99
87) 1,3-Dichlorobenzene	13.494	146	503505	56.190	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	497995	54.246	ug/l	99
89) n-Butylbenzene	13.818	91	968255	56.261	ug/l	100
90) Hexachloroethane	14.086	117	181490	57.142	ug/l	95
91) 1,2-Dichlorobenzene	13.860	146	432986	52.637	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	41326	50.638	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	260106	49.689	ug/l	94
94) Hexachlorobutadiene	15.226	225	117133	53.868	ug/l	90
95) Naphthalene	15.360	128	657387	50.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	250452	52.700	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032529.D
Acq On : 25 Nov 2025 09:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:36:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

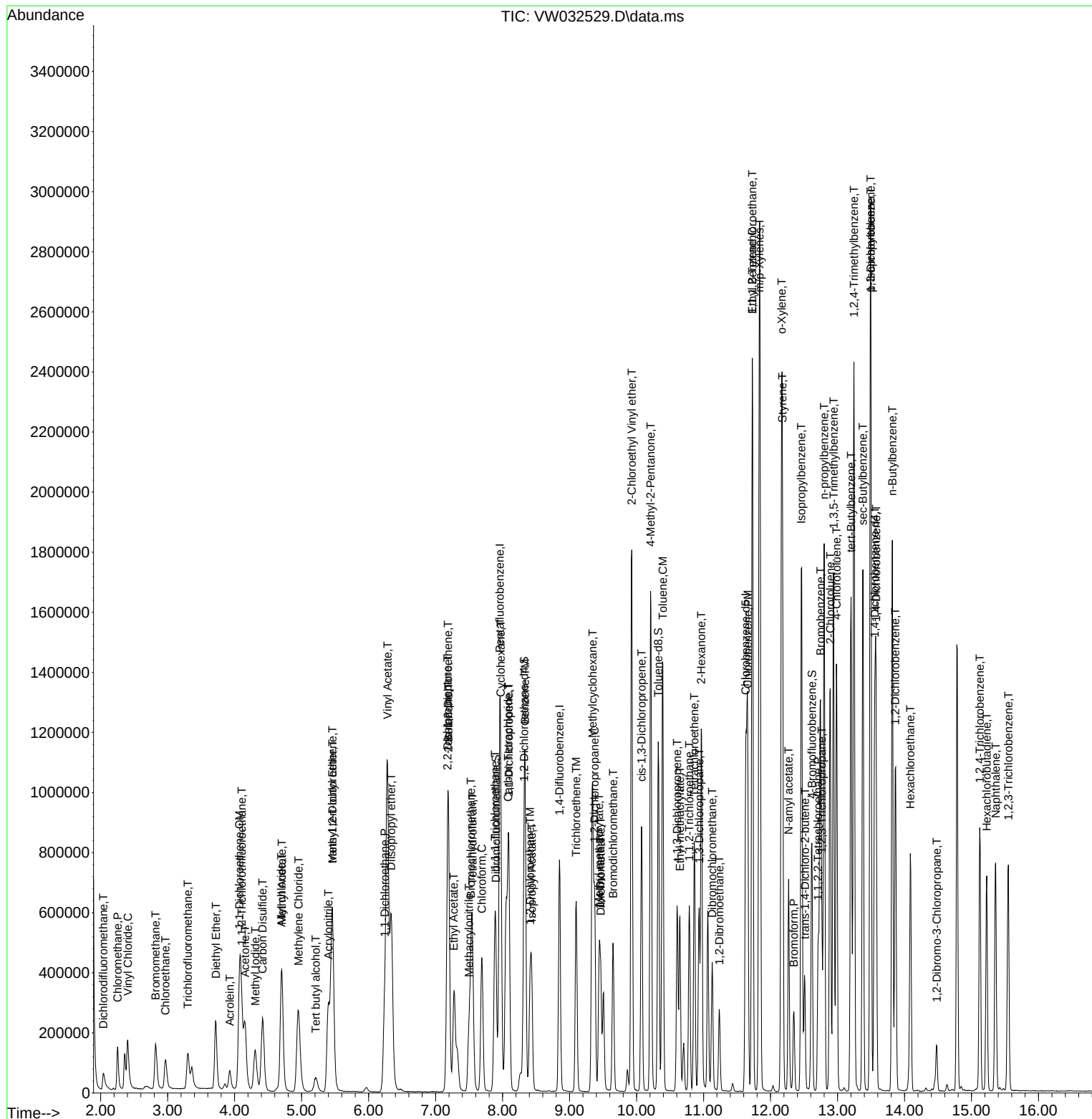
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032529.D
Acq On : 25 Nov 2025 09:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:36:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	75	0.00
2 T	Dichlorodifluoromethane	0.254	0.272	-7.1	82	0.00
3 P	Chloromethane	0.435	0.456	-4.8	83	0.00
4 C	Vinyl Chloride	0.549	0.602	-9.7#	83	0.00
5 T	Bromomethane	0.367	0.383	-4.4	80	0.00
6 T	Chloroethane	0.359	0.379	-5.6	80	0.00
7 T	Trichlorofluoromethane	0.430	0.418	2.8	68	0.00
8 T	Diethyl Ether	0.352	0.360	-2.3	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.469	0.520	-10.9	83	0.00
10 T	Methyl Iodide	0.755	0.776	-2.8	78	0.00
11 T	Tert butyl alcohol	0.056	0.051	8.9	72	0.00
12 CM	1,1-Dichloroethene	0.537	0.579	-7.8#	80	-0.01
13 T	Acrolein	0.094	0.044	53.2#	36#	0.00
14 T	Allyl chloride	1.034	1.095	-5.9	79	0.00
15 T	Acrylonitrile	0.203	0.216	-6.4	80	0.00
16 T	Acetone	0.193	0.192	0.5	77	0.00
17 T	Carbon Disulfide	1.588	1.667	-5.0	77	0.00
18 T	Methyl Acetate	0.478	0.525	-9.8	85	0.00
19 T	Methyl tert-butyl Ether	1.133	1.160	-2.4	76	0.00
20 T	Methylene Chloride	0.690	0.705	-2.2	82	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.669	-8.8	83	0.00
22 T	Diisopropyl ether	2.104	2.251	-7.0	81	0.00
23 T	Vinyl Acetate	1.442	1.519	-5.3	78	0.00
24 P	1,1-Dichloroethane	1.153	1.289	-11.8	84	0.00
25 T	2-Butanone	0.284	0.279	1.8	74	0.00
26 T	2,2-Dichloropropane	0.643	0.665	-3.4	80	0.00
27 T	cis-1,2-Dichloroethene	0.734	0.785	-6.9	80	0.00
28 T	Bromochloromethane	0.545	0.573	-5.1	85	0.00
29 T	Tetrahydrofuran	0.180	0.189	-5.0	78	0.00
30 C	Chloroform	1.129	1.268	-12.3#	85	0.00
31 T	Cyclohexane	1.066	1.125	-5.5	82	0.00
32 T	1,1,1-Trichloroethane	0.806	0.892	-10.7	82	0.00
33 S	1,2-Dichloroethane-d4	0.645	0.672	-4.2	83	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	79	0.00
35 S	Dibromofluoromethane	0.299	0.310	-3.7	85	0.00
36 T	1,1-Dichloropropene	0.441	0.492	-11.6	85	0.00
37 T	Ethyl Acetate	0.328	0.332	-1.2	78	0.00
38 T	Carbon Tetrachloride	0.392	0.440	-12.2	87	0.00
39 T	Methylcyclohexane	0.571	0.622	-8.9	82	0.00
40 TM	Benzene	1.420	1.507	-6.1	82	0.00
41 T	Methacrylonitrile	0.180	0.194	-7.8	82	0.00
42 TM	1,2-Dichloroethane	0.417	0.450	-7.9	84	0.00
43 T	Isopropyl Acetate	0.581	0.588	-1.2	77	0.00
44 TM	Trichloroethene	0.331	0.340	-2.7	80	0.00
45 C	1,2-Dichloropropane	0.354	0.381	-7.6#	84	0.00
46 T	Dibromomethane	0.207	0.220	-6.3	82	0.00
47 T	Bromodichloromethane	0.471	0.505	-7.2	83	0.00
48 T	Methyl methacrylate	0.276	0.292	-5.8	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	0.003	0.003	0.0	75	0.00
50 S	Toluene-d8	1.148	1.197	-4.3	83	0.00
51 T	4-Methyl-2-Pentanone	0.321	0.340	-5.9	80	0.00
52 CM	Toluene	0.877	0.963	-9.8#	85	0.00
53 T	t-1,3-Dichloropropene	0.486	0.510	-4.9	80	0.00
54 T	cis-1,3-Dichloropropene	0.562	0.601	-6.9	82	0.00
55 T	1,1,2-Trichloroethane	0.284	0.300	-5.6	80	0.00
56 T	Ethyl methacrylate	0.435	0.447	-2.8	77	0.00
57 T	1,3-Dichloropropane	0.506	0.530	-4.7	80	0.00
58 T	2-Chloroethyl Vinyl ether	0.232	0.241	-3.9	84	0.00
59 T	2-Hexanone	0.235	0.238	-1.3	77	0.00
60 T	Dibromochloromethane	0.317	0.330	-4.1	81	0.00
61 T	1,2-Dibromoethane	0.276	0.285	-3.3	80	0.00
62 S	4-Bromofluorobenzene	0.434	0.438	-0.9	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
64 T	Tetrachloroethene	0.296	0.321	-8.4	85	0.00
65 PM	Chlorobenzene	1.078	1.128	-4.6	79	0.00
66 T	1,1,1,2-Tetrachloroethane	0.334	0.353	-5.7	83	0.00
67 C	Ethyl Benzene	1.865	2.017	-8.2#	82	0.00
68 T	m/p-Xylenes	0.700	0.779	-11.3	84	0.00
69 T	o-Xylene	0.670	0.721	-7.6	84	0.00
70 T	Styrene	1.153	1.277	-10.8	84	0.00
71 P	Bromoform	0.198	0.210	-6.1	82	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
73 T	Isopropylbenzene	3.672	3.963	-7.9	82	0.00
74 T	N-amyl acetate	1.276	1.302	-2.0	76	0.00
75 P	1,1,2,2-Tetrachloroethane	0.871	0.929	-6.7	82	0.00
76 T	1,2,3-Trichloropropane	0.686	0.787	-14.7	96	0.00
77 T	Bromobenzene	0.869	0.906	-4.3	79	0.00
78 T	n-propylbenzene	4.472	5.095	-13.9	87	0.00
79 T	2-Chlorotoluene	2.730	2.927	-7.2	84	0.00
80 T	1,3,5-Trimethylbenzene	3.030	3.375	-11.4	86	0.00
81 T	trans-1,4-Dichloro-2-butene	0.299	0.310	-3.7	78	0.00
82 T	4-Chlorotoluene	2.839	3.067	-8.0	84	0.00
83 T	tert-Butylbenzene	2.635	2.866	-8.8	82	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.332	-8.1	83	0.00
85 T	sec-Butylbenzene	3.925	4.331	-10.3	85	0.00
86 T	p-Isopropyltoluene	3.241	3.588	-10.7	86	0.00
87 T	1,3-Dichlorobenzene	1.648	1.853	-12.4	88	0.00
88 T	1,4-Dichlorobenzene	1.689	1.832	-8.5	85	0.00
89 T	n-Butylbenzene	3.166	3.562	-12.5	86	0.00
90 T	Hexachloroethane	0.584	0.668	-14.4	88	0.00
91 T	1,2-Dichlorobenzene	1.513	1.593	-5.3	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.150	0.152	-1.3	78	0.00
93 T	1,2,4-Trichlorobenzene	0.963	0.957	0.6	76	0.00
94 T	Hexachlorobutadiene	0.400	0.431	-7.7	84	0.00
95 T	Naphthalene	2.401	2.419	-0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032529.D
Acq On : 25 Nov 2025 09:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	0.874	0.921	-5.4	84	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	75	0.00
2 T	Dichlorodifluoromethane	50.000	53.577	-7.2	82	0.00
3 P	Chloromethane	50.000	52.398	-4.8	83	0.00
4 C	Vinyl Chloride	50.000	54.847	-9.7#	83	0.00
5 T	Bromomethane	50.000	52.186	-4.4	80	0.00
6 T	Chloroethane	50.000	52.830	-5.7	80	0.00
7 T	Trichlorofluoromethane	50.000	48.549	2.9	68	0.00
8 T	Diethyl Ether	50.000	51.143	-2.3	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.460	-10.9	83	0.00
10 T	Methyl Iodide	50.000	51.429	-2.9	78	0.00
11 T	Tert butyl alcohol	250.000	230.676	7.7	72	0.00
12 CM	1,1-Dichloroethene	50.000	53.907	-7.8#	80	-0.01
13 T	Acrolein	250.000	117.372	53.1#	36	0.00
14 T	Allyl chloride	50.000	52.976	-6.0	79	0.00
15 T	Acrylonitrile	250.000	266.101	-6.4	80	0.00
16 T	Acetone	250.000	249.190	0.3	77	0.00
17 T	Carbon Disulfide	50.000	52.462	-4.9	77	0.00
18 T	Methyl Acetate	50.000	54.980	-10.0	85	0.00
19 T	Methyl tert-butyl Ether	50.000	51.214	-2.4	76	0.00
20 T	Methylene Chloride	50.000	51.080	-2.2	82	0.00
21 T	trans-1,2-Dichloroethene	50.000	54.439	-8.9	83	0.00
22 T	Diisopropyl ether	50.000	53.492	-7.0	81	0.00
23 T	Vinyl Acetate	250.000	263.379	-5.4	78	0.00
24 P	1,1-Dichloroethane	50.000	55.903	-11.8	84	0.00
25 T	2-Butanone	250.000	245.487	1.8	74	0.00
26 T	2,2-Dichloropropane	50.000	51.765	-3.5	80	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.482	-7.0	80	0.00
28 T	Bromochloromethane	50.000	52.550	-5.1	85	0.00
29 T	Tetrahydrofuran	250.000	262.437	-5.0	78	0.00
30 C	Chloroform	50.000	56.159	-12.3#	85	0.00
31 T	Cyclohexane	50.000	52.749	-5.5	82	0.00
32 T	1,1,1-Trichloroethane	50.000	55.325	-10.7	82	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.095	-4.2	83	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	79	0.00
35 S	Dibromofluoromethane	50.000	51.732	-3.5	85	0.00
36 T	1,1-Dichloropropene	50.000	55.746	-11.5	85	0.00
37 T	Ethyl Acetate	50.000	50.680	-1.4	78	0.00
38 T	Carbon Tetrachloride	50.000	56.126	-12.3	87	0.00
39 T	Methylcyclohexane	50.000	54.424	-8.8	82	0.00
40 TM	Benzene	50.000	53.043	-6.1	82	0.00
41 T	Methacrylonitrile	50.000	53.884	-7.8	82	0.00
42 TM	1,2-Dichloroethane	50.000	53.913	-7.8	84	0.00
43 T	Isopropyl Acetate	50.000	50.641	-1.3	77	0.00
44 TM	Trichloroethene	50.000	51.412	-2.8	80	0.00
45 C	1,2-Dichloropropane	50.000	53.893	-7.8#	84	0.00
46 T	Dibromomethane	50.000	53.260	-6.5	82	0.00
47 T	Bromodichloromethane	50.000	53.609	-7.2	83	0.00
48 T	Methyl methacrylate	50.000	52.843	-5.7	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032529.D
 Acq On : 25 Nov 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	1015.672	-1.6	75	0.00
50 S	Toluene-d8	50.000	52.109	-4.2	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.059	-6.0	80	0.00
52 CM	Toluene	50.000	54.891	-9.8#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	52.558	-5.1	80	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.532	-7.1	82	0.00
55 T	1,1,2-Trichloroethane	50.000	52.828	-5.7	80	0.00
56 T	Ethyl methacrylate	50.000	51.364	-2.7	77	0.00
57 T	1,3-Dichloropropane	50.000	52.312	-4.6	80	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	259.677	-3.9	84	0.00
59 T	2-Hexanone	250.000	253.290	-1.3	77	0.00
60 T	Dibromochloromethane	50.000	52.104	-4.2	81	0.00
61 T	1,2-Dibromoethane	50.000	51.566	-3.1	80	0.00
62 S	4-Bromofluorobenzene	50.000	50.431	-0.9	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
64 T	Tetrachloroethene	50.000	54.162	-8.3	85	0.00
65 PM	Chlorobenzene	50.000	52.325	-4.7	79	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.858	-5.7	83	0.00
67 C	Ethyl Benzene	50.000	54.096	-8.2#	82	0.00
68 T	m/p-Xylenes	100.000	111.228	-11.2	84	0.00
69 T	o-Xylene	50.000	53.794	-7.6	84	0.00
70 T	Styrene	50.000	55.356	-10.7	84	0.00
71 P	Bromoform	50.000	53.228	-6.5	82	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	82	0.00
73 T	Isopropylbenzene	50.000	53.962	-7.9	82	0.00
74 T	N-ethyl acetate	50.000	51.002	-2.0	76	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.286	-6.6	82	0.00
76 T	1,2,3-Trichloropropane	50.000	57.420	-14.8	96	0.00
77 T	Bromobenzene	50.000	52.115	-4.2	79	0.00
78 T	n-propylbenzene	50.000	56.962	-13.9	87	0.00
79 T	2-Chlorotoluene	50.000	53.611	-7.2	84	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.695	-11.4	86	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.725	-3.5	78	0.00
82 T	4-Chlorotoluene	50.000	54.009	-8.0	84	0.00
83 T	tert-Butylbenzene	50.000	54.371	-8.7	82	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.063	-8.1	83	0.00
85 T	sec-Butylbenzene	50.000	55.174	-10.3	85	0.00
86 T	p-Isopropyltoluene	50.000	55.361	-10.7	86	0.00
87 T	1,3-Dichlorobenzene	50.000	56.190	-12.4	88	0.00
88 T	1,4-Dichlorobenzene	50.000	54.246	-8.5	85	0.00
89 T	n-Butylbenzene	50.000	56.261	-12.5	86	0.00
90 T	Hexachloroethane	50.000	57.142	-14.3	88	0.00
91 T	1,2-Dichlorobenzene	50.000	52.637	-5.3	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.638	-1.3	78	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.689	0.6	76	0.00
94 T	Hexachlorobutadiene	50.000	53.868	-7.7	84	0.00
95 T	Naphthalene	50.000	50.360	-0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032529.D
Acq On : 25 Nov 2025 09:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 01:36:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	52.700	-5.4	84	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>11/26/2025 12:05</u>
Lab File ID:	<u>VW032536.D</u>	Init. Calib. Date(s):	<u>11/10/2025 11/10/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>15:11 17:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.283		11.42	20
Chloromethane	0.435	0.490	0.1	12.64	20
Vinyl Chloride	0.549	0.631		14.94	20
Bromomethane	0.367	0.414		12.81	20
Chloroethane	0.359	0.408		13.65	20
Trichlorofluoromethane	0.430	0.460		6.98	20
1,1,2-Trichlorotrifluoroethane	0.469	0.567		20.9	20
1,1-Dichloroethene	0.537	0.621		15.64	20
Acetone	0.193	0.201		4.14	20
Carbon Disulfide	1.588	1.704		7.3	20
Methyl tert-butyl Ether	1.133	1.192		5.21	20
Methyl Acetate	0.478	0.580		21.34	20
Methylene Chloride	0.690	0.732		6.09	20
trans-1,2-Dichloroethene	0.615	0.683		11.06	20
1,1-Dichloroethane	1.153	1.330	0.1	15.35	20
Cyclohexane	1.066	1.138		6.75	20
2-Butanone	0.284	0.286		0.7	20
Carbon Tetrachloride	0.392	0.484		23.47	20
cis-1,2-Dichloroethene	0.734	0.805		9.67	20
Bromochloromethane	0.545	0.594		8.99	20
Chloroform	1.129	1.341		18.78	20
1,1,1-Trichloroethane	0.806	0.936		16.13	20
Methylcyclohexane	0.571	0.644		12.78	20
Benzene	1.420	1.626		14.51	20
1,2-Dichloroethane	0.417	0.508		21.82	20
Trichloroethene	0.331	0.364		9.97	20
1,2-Dichloropropane	0.354	0.416		17.51	20
Bromodichloromethane	0.471	0.565		19.96	20
4-Methyl-2-Pentanone	0.321	0.368		14.64	20
Toluene	0.877	1.020		16.31	20
t-1,3-Dichloropropene	0.486	0.552		13.58	20
cis-1,3-Dichloropropene	0.562	0.646		14.95	20
1,1,2-Trichloroethane	0.284	0.318		11.97	20
2-Hexanone	0.235	0.258		9.79	20
Dibromochloromethane	0.317	0.368		16.09	20
1,2-Dibromoethane	0.276	0.308		11.59	20
Tetrachloroethene	0.296	0.333		12.5	20
Chlorobenzene	1.078	1.161	0.3	7.7	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>11/26/2025</u> <u>12:05</u>
Lab File ID:	<u>VW032536.D</u>	Init. Calib. Date(s):	<u>11/10/2025</u> <u>11/10/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>15:11</u> <u>17:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	2.114		13.35	20
m/p-Xylenes	0.700	0.773		10.43	20
o-Xylene	0.670	0.743		10.9	20
Styrene	1.153	1.319		14.4	20
Bromoform	0.198	0.210	0.1	6.06	20
Isopropylbenzene	3.672	3.918		6.7	20
1,1,2,2-Tetrachloroethane	0.871	0.907	0.3	4.13	20
1,3-Dichlorobenzene	1.648	1.840		11.65	20
1,4-Dichlorobenzene	1.689	1.772		4.91	20
1,2-Dichlorobenzene	1.513	1.619		7.01	20
1,2-Dibromo-3-Chloropropane	0.150	0.151		0.67	20
1,2,4-Trichlorobenzene	0.963	0.967		0.41	20
1,2,3-Trichlorobenzene	0.874	0.916		4.8	20
1,2-Dichloroethane-d4	0.645	0.717		11.16	20
Dibromofluoromethane	0.299	0.323		8.03	20
Toluene-d8	1.148	1.231		7.23	20
4-Bromofluorobenzene	0.434	0.460		5.99	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_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

12/01/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	353885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	632151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	586351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	285431	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253656	55.597	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 111.200%	
35) Dibromofluoromethane	7.898	113	204103	53.926	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 107.860%	
50) Toluene-d8	10.324	98	777892	53.574	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 107.140%	
62) 4-Bromofluorobenzene	12.617	95	290681	52.995	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 106.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.039	85	100134	55.770	ug/l	97
3) Chloromethane	2.253	50	173312	56.315	ug/l	97
4) Vinyl Chloride	2.405	62	223388	57.514	ug/l	99
5) Bromomethane	2.826	94	146647	56.444	ug/l	99
6) Chloroethane	2.966	64	144375	56.815	ug/l	100
7) Trichlorofluoromethane	3.301	101	162899	53.494	ug/l	94
8) Diethyl Ether	3.722	74	134377	53.973	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	200808	60.535	ug/l	97
10) Methyl Iodide	4.301	142	280410	52.484	ug/l	98
11) Tert butyl alcohol	5.215	59	90242	228.743	ug/l	99
12) 1,1-Dichloroethene	4.069	96	219663	57.749	ug/l	92
13) Acrolein	3.929	56	71634	108.222	ug/l	99
14) Allyl chloride	4.703	41	405679	55.460	ug/l	95
15) Acrylonitrile	5.398	53	381262	264.854	ug/l	99
16) Acetone	4.155	43	356355	261.073	ug/l	97
17) Carbon Disulfide	4.417	76	603023	53.638	ug/l	97
18) Methyl Acetate	4.703	43	205179	60.702	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	421796	52.605	ug/l	99
20) Methylene Chloride	4.947	84	259171	53.093	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	241695	55.570	ug/l	97
22) Diisopropyl ether	6.337	45	838393	56.293	ug/l	97
23) Vinyl Acetate	6.276	43	2809322	275.320	ug/l	98
24) 1,1-Dichloroethane	6.240	63	470680	57.683	ug/l	98
25) 2-Butanone	7.191	43	506744	251.994	ug/l	99
26) 2,2-Dichloropropane	7.179	77	252133	55.444	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	284842	54.809	ug/l	96
28) Bromochloromethane	7.532	49	210332	54.538	ug/l	94
29) Tetrahydrofuran	7.550	42	339596	266.067	ug/l	98
30) Chloroform	7.691	83	474613	59.416	ug/l	99
31) Cyclohexane	7.965	56	402758	53.360	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	331155	58.032	ug/l	97
36) 1,1-Dichloropropene	8.093	75	329519	59.090	ug/l	98
37) Ethyl Acetate	7.270	43	228169	55.024	ug/l	98
38) Carbon Tetrachloride	8.081	117	305909	61.737	ug/l	90
39) Methylcyclohexane	9.337	83	406914	56.326	ug/l	93
40) Benzene	8.337	78	1027690	57.226	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

12/01/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	118366	51.962	ug/l	98
42) 1,2-Dichloroethane	8.410	62	321088	60.870	ug/l	97
43) Isopropyl Acetate	8.434	43	404559	55.098	ug/l	99
44) Trichloroethene	9.099	130	230022	55.044	ug/l	98
45) 1,2-Dichloropropane	9.373	63	262731	58.754	ug/l	99
46) Dibromomethane	9.465	93	151373	57.928	ug/l	99
47) Bromodichloromethane	9.648	83	357194	59.924	ug/l	93
48) Methyl methacrylate	9.440	41	203688	58.378	ug/l	97
49) 1,4-Dioxane	9.459	88	38085	1040.386	ug/l #	92
51) 4-Methyl-2-Pentanone	10.208	43	1162333	286.349	ug/l	98
52) Toluene	10.385	92	644751	58.124	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	348787	56.816	ug/l	96
54) cis-1,3-Dichloropropene	10.074	75	408430	57.532	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	200992	56.068	ug/l	98
56) Ethyl methacrylate	10.647	69	302586	55.013	ug/l	97
57) 1,3-Dichloropropane	10.934	76	369138	57.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	786217	268.411	ug/l	99
59) 2-Hexanone	10.964	43	814669	274.316	ug/l	97
60) Dibromochloromethane	11.129	129	232841	58.163	ug/l	100
61) 1,2-Dibromoethane	11.233	107	194929	55.830	ug/l	100
64) Tetrachloroethene	10.861	164	195430	56.283	ug/l #	83
65) Chlorobenzene	11.659	112	680746	53.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.726	131	215135	55.005	ug/l	98
67) Ethyl Benzene	11.726	91	1239569	56.686	ug/l	100
68) m/p-Xylenes	11.836	106	906489	110.409	ug/l	96
69) o-Xylene	12.165	106	435488	55.396	ug/l	99
70) Styrene	12.178	104	773278	57.181	ug/l	99
71) Bromoform	12.348	173	122869	53.038	ug/l #	100
73) Isopropylbenzene	12.458	105	1118323	53.347	ug/l	98
74) N-amyl acetate	12.269	43	369695	50.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	258804	52.021	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	186218m	47.581	ug/l	
77) Bromobenzene	12.745	156	258573	52.097	ug/l	96
78) n-propylbenzene	12.799	91	1416555	55.488	ug/l	98
79) 2-Chlorotoluene	12.885	91	846639	54.326	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	964429	55.765	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	87439	51.172	ug/l	94
82) 4-Chlorotoluene	12.982	91	864480	53.333	ug/l	99
83) tert-Butylbenzene	13.202	119	792168	52.655	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	952843	54.168	ug/l	99
85) sec-Butylbenzene	13.379	105	1193114	53.250	ug/l	99
86) p-Isopropyltoluene	13.494	119	976186	52.768	ug/l	99
87) 1,3-Dichlorobenzene	13.494	146	525128	55.803	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	505802	52.465	ug/l	99
89) n-Butylbenzene	13.818	91	984921	54.495	ug/l	99
90) Hexachloroethane	14.086	117	176857	53.023	ug/l	95
91) 1,2-Dichlorobenzene	13.866	146	462168	53.501	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.476	75	43093	50.280	ug/l	94
93) 1,2,4-Trichlorobenzene	15.128	180	276099	50.225	ug/l	98
94) Hexachlorobutadiene	15.226	225	119925	52.517	ug/l	97
95) Naphthalene	15.360	128	657110	47.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	261370	52.370	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032536.D
Acq On : 26 Nov 2025 12:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

12/01/2025
Supervised By :Mahesh
Dadoda

12/01/2025

Quant Time: Nov 27 00:21:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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_W\Data\VW112625\
Data File : VW032536.D
Acq On : 26 Nov 2025 12:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

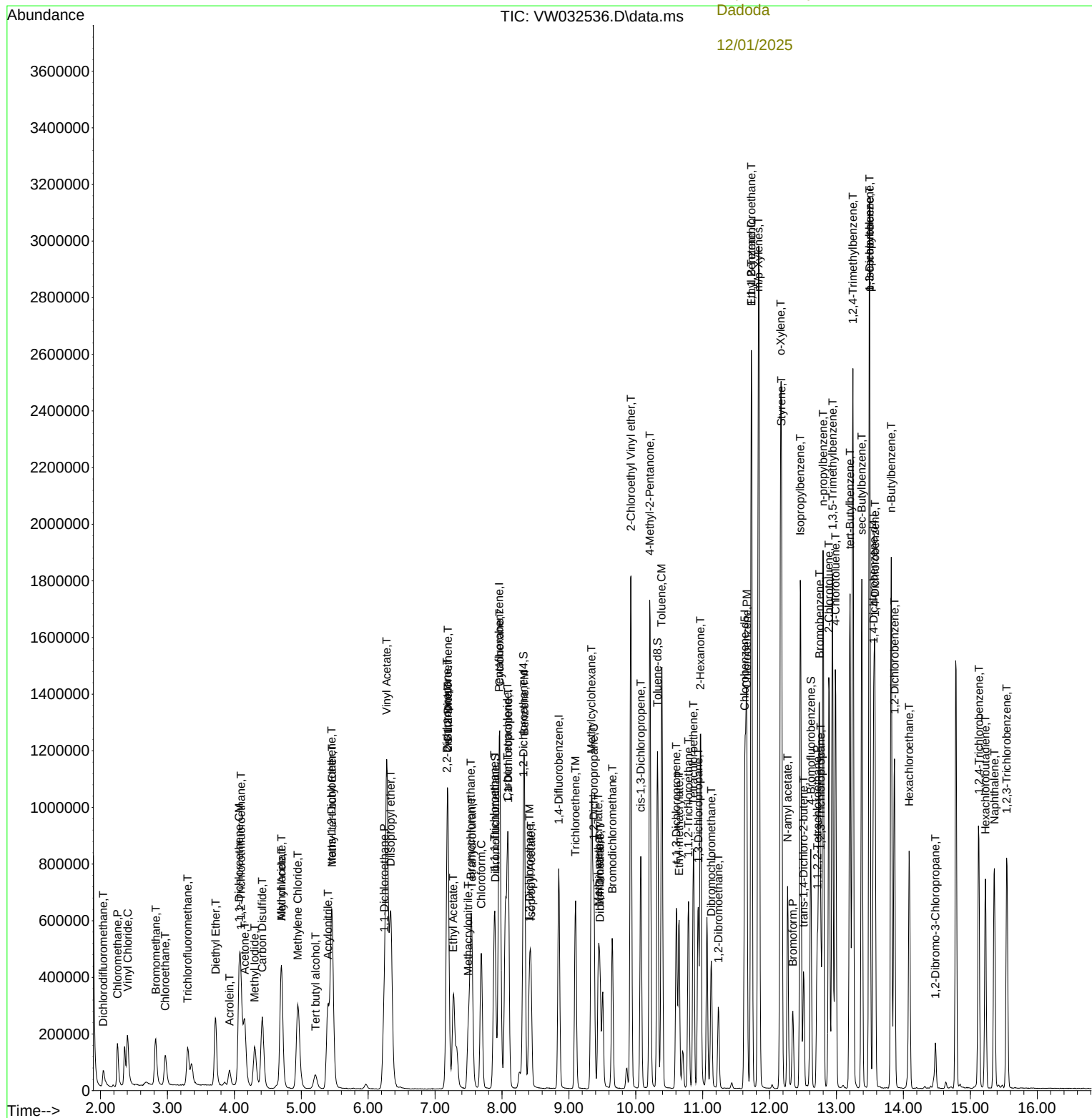
Manual Integrations APPROVED

Reviewed By :Semsettin
Yesilyurt

12/01/2025
Supervised By :Mahesh
Dadoda

12/01/2025

Quant Time: Nov 27 00:21:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	75	0.00
2 T	Dichlorodifluoromethane	0.254	0.283	-11.4	85	0.00
3 P	Chloromethane	0.435	0.490	-12.6	90	0.00
4 C	Vinyl Chloride	0.549	0.631	-14.9#	88	0.00
5 T	Bromomethane	0.367	0.414	-12.8	87	0.00
6 T	Chloroethane	0.359	0.408	-13.6	86	0.00
7 T	Trichlorofluoromethane	0.430	0.460	-7.0	75	0.00
8 T	Diethyl Ether	0.352	0.380	-8.0	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.469	0.567	-20.9	91	0.00
10 T	Methyl Iodide	0.755	0.792	-4.9	80	0.00
11 T	Tert butyl alcohol	0.056	0.051	8.9	71	0.00
12 CM	1,1-Dichloroethene	0.537	0.621	-15.6#	86	-0.01
13 T	Acrolein	0.094	0.040	57.4#	34#	0.00
14 T	Allyl chloride	1.034	1.146	-10.8	82	0.00
15 T	Acrylonitrile	0.203	0.215	-5.9	79	0.00
16 T	Acetone	0.193	0.201	-4.1	81	0.00
17 T	Carbon Disulfide	1.588	1.704	-7.3	79	0.00
18 T	Methyl Acetate	0.478	0.580	-21.3	93	0.00
19 T	Methyl tert-butyl Ether	1.133	1.192	-5.2	78	0.00
20 T	Methylene Chloride	0.690	0.732	-6.1	86	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.683	-11.1	85	-0.01
22 T	Diisopropyl ether	2.104	2.369	-12.6	85	0.00
23 T	Vinyl Acetate	1.442	1.588	-10.1	81	0.00
24 P	1,1-Dichloroethane	1.153	1.330	-15.4	87	0.00
25 T	2-Butanone	0.284	0.286	-0.7	76	0.00
26 T	2,2-Dichloropropane	0.643	0.712	-10.7	86	0.00
27 T	cis-1,2-Dichloroethene	0.734	0.805	-9.7	82	0.00
28 T	Bromochloromethane	0.545	0.594	-9.0	88	0.00
29 T	Tetrahydrofuran	0.180	0.192	-6.7	79	0.00
30 C	Chloroform	1.129	1.341	-18.8#	90	0.00
31 T	Cyclohexane	1.066	1.138	-6.8	83	0.00
32 T	1,1,1-Trichloroethane	0.806	0.936	-16.1	86	0.00
33 S	1,2-Dichloroethane-d4	0.645	0.717	-11.2	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.00
35 S	Dibromofluoromethane	0.299	0.323	-8.0	85	0.00
36 T	1,1-Dichloropropene	0.441	0.521	-18.1	86	0.00
37 T	Ethyl Acetate	0.328	0.361	-10.1	81	0.00
38 T	Carbon Tetrachloride	0.392	0.484	-23.5	91	0.00
39 T	Methylcyclohexane	0.571	0.644	-12.8	81	0.00
40 TM	Benzene	1.420	1.626	-14.5	85	0.00
41 T	Methacrylonitrile	0.180	0.187	-3.9	75	0.00
42 TM	1,2-Dichloroethane	0.417	0.508	-21.8	91	0.00
43 T	Isopropyl Acetate	0.581	0.640	-10.2	80	0.00
44 TM	Trichloroethene	0.331	0.364	-10.0	82	0.00
45 C	1,2-Dichloropropane	0.354	0.416	-17.5#	88	0.00
46 T	Dibromomethane	0.207	0.239	-15.5	85	0.00
47 T	Bromodichloromethane	0.471	0.565	-20.0	88	0.00
48 T	Methyl methacrylate	0.276	0.322	-16.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	0.003	0.003	0.0	74	0.00
50 S	Toluene-d8	1.148	1.231	-7.2	82	0.00
51 T	4-Methyl-2-Pentanone	0.321	0.368	-14.6	82	0.00
52 CM	Toluene	0.877	1.020	-16.3#	86	0.00
53 T	t-1,3-Dichloropropene	0.486	0.552	-13.6	83	0.00
54 T	cis-1,3-Dichloropropene	0.562	0.646	-14.9	84	0.00
55 T	1,1,2-Trichloroethane	0.284	0.318	-12.0	82	0.00
56 T	Ethyl methacrylate	0.435	0.479	-10.1	79	0.00
57 T	1,3-Dichloropropane	0.506	0.584	-15.4	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.232	0.249	-7.3	83	0.00
59 T	2-Hexanone	0.235	0.258	-9.8	80	0.00
60 T	Dibromochloromethane	0.317	0.368	-16.1	87	0.00
61 T	1,2-Dibromoethane	0.276	0.308	-11.6	83	0.00
62 S	4-Bromofluorobenzene	0.434	0.460	-6.0	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
64 T	Tetrachloroethene	0.296	0.333	-12.5	88	0.00
65 PM	Chlorobenzene	1.078	1.161	-7.7	81	0.00
66 T	1,1,1,2-Tetrachloroethane	0.334	0.367	-9.9	86	0.00
67 C	Ethyl Benzene	1.865	2.114	-13.4#	86	0.00
68 T	m/p-Xylenes	0.700	0.773	-10.4	84	0.00
69 T	o-Xylene	0.670	0.743	-10.9	87	0.00
70 T	Styrene	1.153	1.319	-14.4	87	0.00
71 P	Bromoform	0.198	0.210	-6.1	82	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73 T	Isopropylbenzene	3.672	3.918	-6.7	85	0.00
74 T	N-amyl acetate	1.276	1.295	-1.5	80	0.00
75 P	1,1,2,2-Tetrachloroethane	0.871	0.907	-4.1	84	0.00
76 T	1,2,3-Trichloropropane	0.686	0.652	5.0	84	0.00
77 T	Bromobenzene	0.869	0.906	-4.3	83	0.00
78 T	n-propylbenzene	4.472	4.963	-11.0	89	0.00
79 T	2-Chlorotoluene	2.730	2.966	-8.6	89	0.00
80 T	1,3,5-Trimethylbenzene	3.030	3.379	-11.5	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.299	0.306	-2.3	81	0.00
82 T	4-Chlorotoluene	2.839	3.029	-6.7	87	0.00
83 T	tert-Butylbenzene	2.635	2.775	-5.3	83	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.338	-8.3	88	0.00
85 T	sec-Butylbenzene	3.925	4.180	-6.5	86	0.00
86 T	p-Isopropyltoluene	3.241	3.420	-5.5	86	0.00
87 T	1,3-Dichlorobenzene	1.648	1.840	-11.7	92	0.00
88 T	1,4-Dichlorobenzene	1.689	1.772	-4.9	86	0.00
89 T	n-Butylbenzene	3.166	3.451	-9.0	88	0.00
90 T	Hexachloroethane	0.584	0.620	-6.2	86	0.00
91 T	1,2-Dichlorobenzene	1.513	1.619	-7.0	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.150	0.151	-0.7	82	0.00
93 T	1,2,4-Trichlorobenzene	0.963	0.967	-0.4	81	0.00
94 T	Hexachlorobutadiene	0.400	0.420	-5.0	86	0.00
95 T	Naphthalene	2.401	2.302	4.1	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032536.D
Acq On : 26 Nov 2025 12:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	0.874	0.916	-4.8	88	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	75	0.00
2 T	Dichlorodifluoromethane	50.000	55.770	-11.5	85	0.00
3 P	Chloromethane	50.000	56.315	-12.6	90	0.00
4 C	Vinyl Chloride	50.000	57.514	-15.0#	88	0.00
5 T	Bromomethane	50.000	56.444	-12.9	87	0.00
6 T	Chloroethane	50.000	56.815	-13.6	86	0.00
7 T	Trichlorofluoromethane	50.000	53.494	-7.0	75	0.00
8 T	Diethyl Ether	50.000	53.973	-7.9	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	60.535	-21.1	91	0.00
10 T	Methyl Iodide	50.000	52.484	-5.0	80	0.00
11 T	Tert butyl alcohol	250.000	228.743	8.5	71	0.00
12 CM	1,1-Dichloroethene	50.000	57.749	-15.5#	86	-0.01
13 T	Acrolein	250.000	108.222	56.7#	34	0.00
14 T	Allyl chloride	50.000	55.460	-10.9	82	0.00
15 T	Acrylonitrile	250.000	264.854	-5.9	79	0.00
16 T	Acetone	250.000	261.073	-4.4	81	0.00
17 T	Carbon Disulfide	50.000	53.638	-7.3	79	0.00
18 T	Methyl Acetate	50.000	60.702	-21.4	93	0.00
19 T	Methyl tert-butyl Ether	50.000	52.605	-5.2	78	0.00
20 T	Methylene Chloride	50.000	53.093	-6.2	86	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.570	-11.1	85	-0.01
22 T	Diisopropyl ether	50.000	56.293	-12.6	85	0.00
23 T	Vinyl Acetate	250.000	275.320	-10.1	81	0.00
24 P	1,1-Dichloroethane	50.000	57.683	-15.4	87	0.00
25 T	2-Butanone	250.000	251.994	-0.8	76	0.00
26 T	2,2-Dichloropropane	50.000	55.444	-10.9	86	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.809	-9.6	82	0.00
28 T	Bromochloromethane	50.000	54.538	-9.1	88	0.00
29 T	Tetrahydrofuran	250.000	266.067	-6.4	79	0.00
30 C	Chloroform	50.000	59.416	-18.8#	90	0.00
31 T	Cyclohexane	50.000	53.360	-6.7	83	0.00
32 T	1,1,1-Trichloroethane	50.000	58.032	-16.1	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	55.597	-11.2	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	75	0.00
35 S	Dibromofluoromethane	50.000	53.926	-7.9	85	0.00
36 T	1,1-Dichloropropene	50.000	59.090	-18.2	86	0.00
37 T	Ethyl Acetate	50.000	55.024	-10.0	81	0.00
38 T	Carbon Tetrachloride	50.000	61.737	-23.5	91	0.00
39 T	Methylcyclohexane	50.000	56.326	-12.7	81	0.00
40 TM	Benzene	50.000	57.226	-14.5	85	0.00
41 T	Methacrylonitrile	50.000	51.962	-3.9	75	0.00
42 TM	1,2-Dichloroethane	50.000	60.870	-21.7	91	0.00
43 T	Isopropyl Acetate	50.000	55.098	-10.2	80	0.00
44 TM	Trichloroethene	50.000	55.044	-10.1	82	0.00
45 C	1,2-Dichloropropane	50.000	58.754	-17.5#	88	0.00
46 T	Dibromomethane	50.000	57.928	-15.9	85	0.00
47 T	Bromodichloromethane	50.000	59.924	-19.8	88	0.00
48 T	Methyl methacrylate	50.000	58.378	-16.8	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032536.D
 Acq On : 26 Nov 2025 12:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 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	1040.386	-4.0	74	0.00
50 S	Toluene-d8	50.000	53.574	-7.1	82	0.00
51 T	4-Methyl-2-Pentanone	250.000	286.349	-14.5	82	0.00
52 CM	Toluene	50.000	58.124	-16.2#	86	0.00
53 T	t-1,3-Dichloropropene	50.000	56.816	-13.6	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	57.532	-15.1	84	0.00
55 T	1,1,2-Trichloroethane	50.000	56.068	-12.1	82	0.00
56 T	Ethyl methacrylate	50.000	55.013	-10.0	79	0.00
57 T	1,3-Dichloropropane	50.000	57.655	-15.3	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.411	-7.4	83	0.00
59 T	2-Hexanone	250.000	274.316	-9.7	80	0.00
60 T	Dibromochloromethane	50.000	58.163	-16.3	87	0.00
61 T	1,2-Dibromoethane	50.000	55.830	-11.7	83	0.00
62 S	4-Bromofluorobenzene	50.000	52.995	-6.0	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
64 T	Tetrachloroethene	50.000	56.283	-12.6	88	0.00
65 PM	Chlorobenzene	50.000	53.865	-7.7	81	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.005	-10.0	86	0.00
67 C	Ethyl Benzene	50.000	56.686	-13.4#	86	0.00
68 T	m/p-Xylenes	100.000	110.409	-10.4	84	0.00
69 T	o-Xylene	50.000	55.396	-10.8	87	0.00
70 T	Styrene	50.000	57.181	-14.4	87	0.00
71 P	Bromoform	50.000	53.038	-6.1	82	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73 T	Isopropylbenzene	50.000	53.347	-6.7	85	0.00
74 T	N-ethyl acetate	50.000	50.751	-1.5	80	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.021	-4.0	84	0.00
76 T	1,2,3-Trichloropropane	50.000	47.581	4.8	84	0.00
77 T	Bromobenzene	50.000	52.097	-4.2	83	0.00
78 T	n-propylbenzene	50.000	55.488	-11.0	89	0.00
79 T	2-Chlorotoluene	50.000	54.326	-8.7	89	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.765	-11.5	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.172	-2.3	81	0.00
82 T	4-Chlorotoluene	50.000	53.333	-6.7	87	0.00
83 T	tert-Butylbenzene	50.000	52.655	-5.3	83	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.168	-8.3	88	0.00
85 T	sec-Butylbenzene	50.000	53.250	-6.5	86	0.00
86 T	p-Isopropyltoluene	50.000	52.768	-5.5	86	0.00
87 T	1,3-Dichlorobenzene	50.000	55.803	-11.6	92	0.00
88 T	1,4-Dichlorobenzene	50.000	52.465	-4.9	86	0.00
89 T	n-Butylbenzene	50.000	54.495	-9.0	88	0.00
90 T	Hexachloroethane	50.000	53.023	-6.0	86	0.00
91 T	1,2-Dichlorobenzene	50.000	53.501	-7.0	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.280	-0.6	82	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.225	-0.5	81	0.00
94 T	Hexachlorobutadiene	50.000	52.517	-5.0	86	0.00
95 T	Naphthalene	50.000	47.934	4.1	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032536.D
Acq On : 26 Nov 2025 12:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Nov 27 00:21:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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	52.370	-4.7	88	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>12/01/2025 07:55</u>
Lab File ID:	<u>VY023829.D</u>	Init. Calib. Date(s):	<u>11/26/2025 11/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:04 10:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (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.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>12/01/2025</u> <u>07:55</u>
Lab File ID:	<u>VY023829.D</u>	Init. Calib. Date(s):	<u>11/26/2025</u> <u>11/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>08:04</u> <u>10:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (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

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

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

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

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

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

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

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
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023829.D
 Acq On : 01 Dec 2025 07:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 12/02/2025

Supervised By : Mahesh Dadoda 12/02/2025

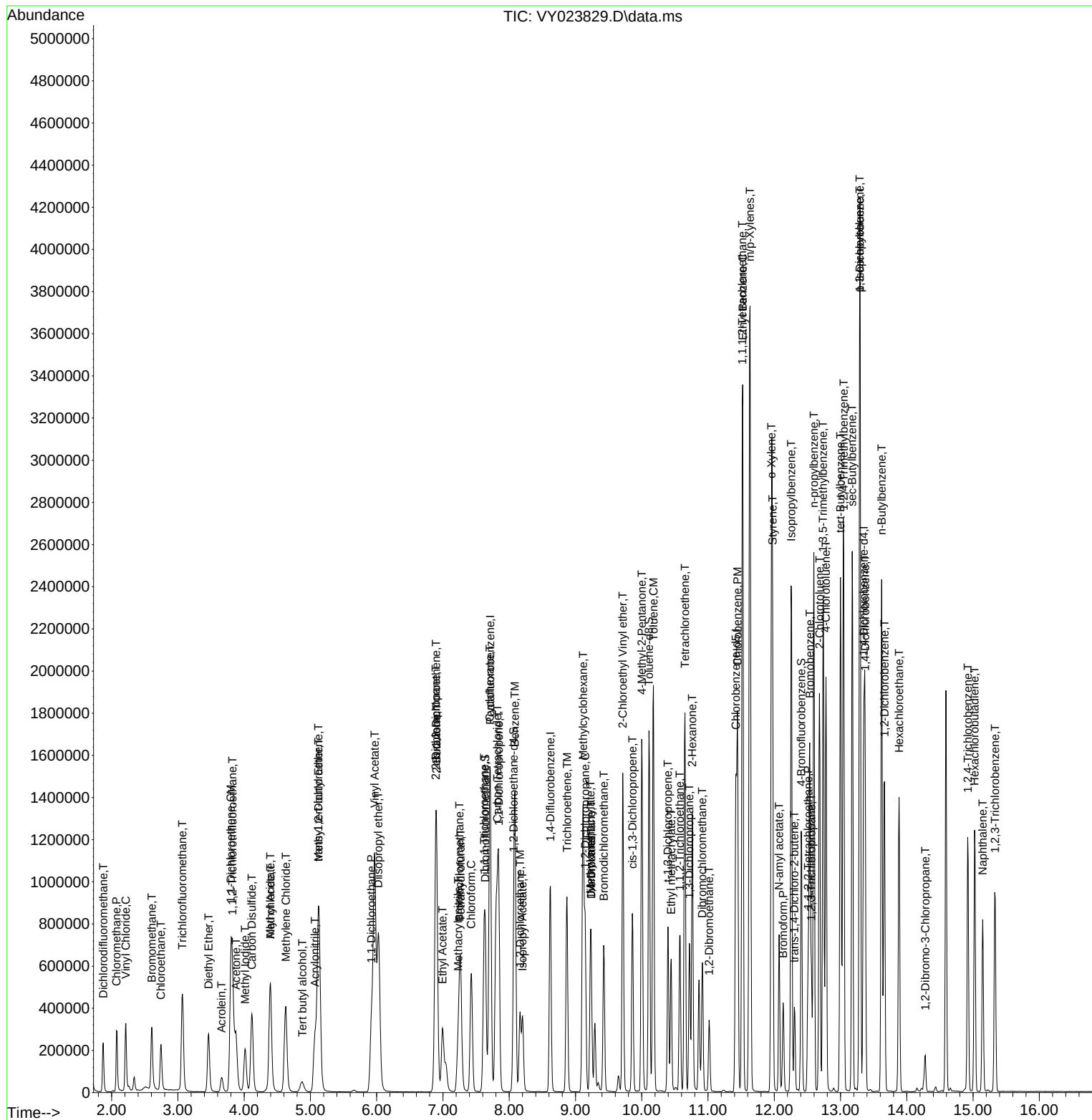
Quant Time: Dec 02 03:11:20 2025

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



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

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

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

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-ethyl 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



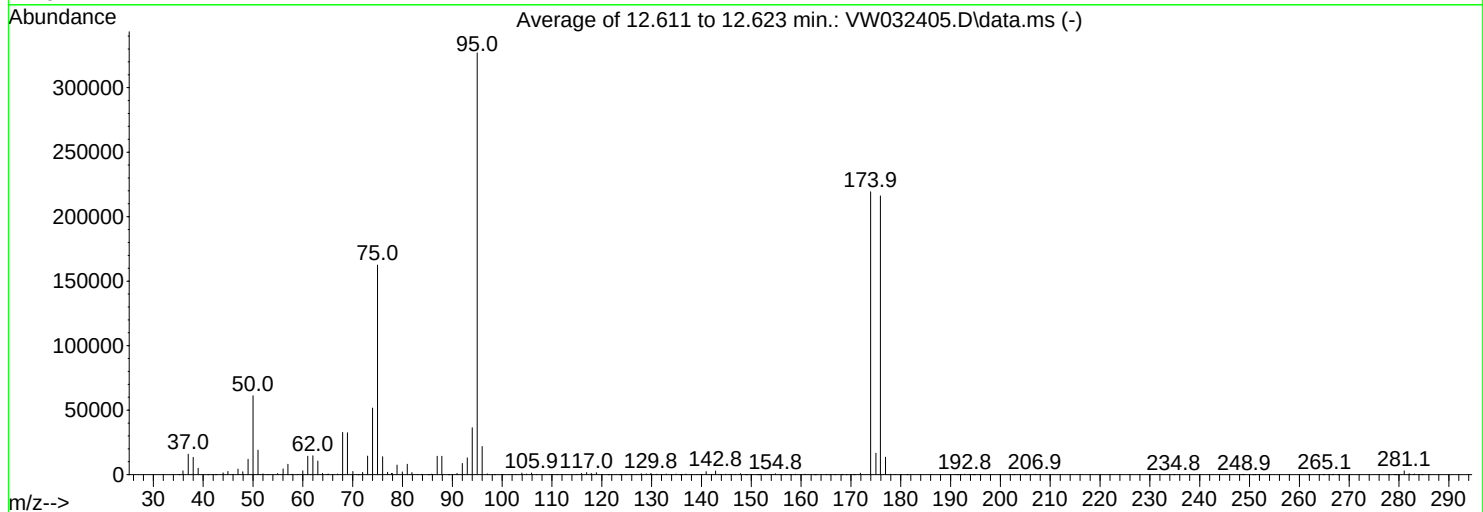
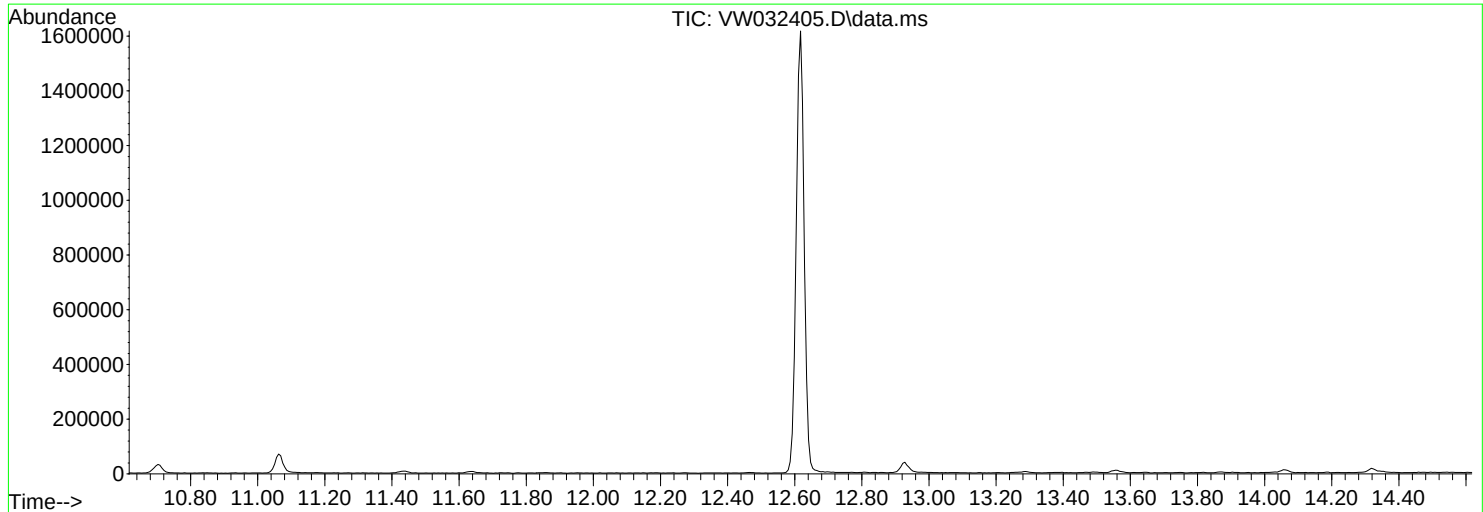
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
Data File : VW032405.D
Acq On : 10 Nov 2025 14:20
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260
Last Update : Tue Nov 11 03:48:21 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

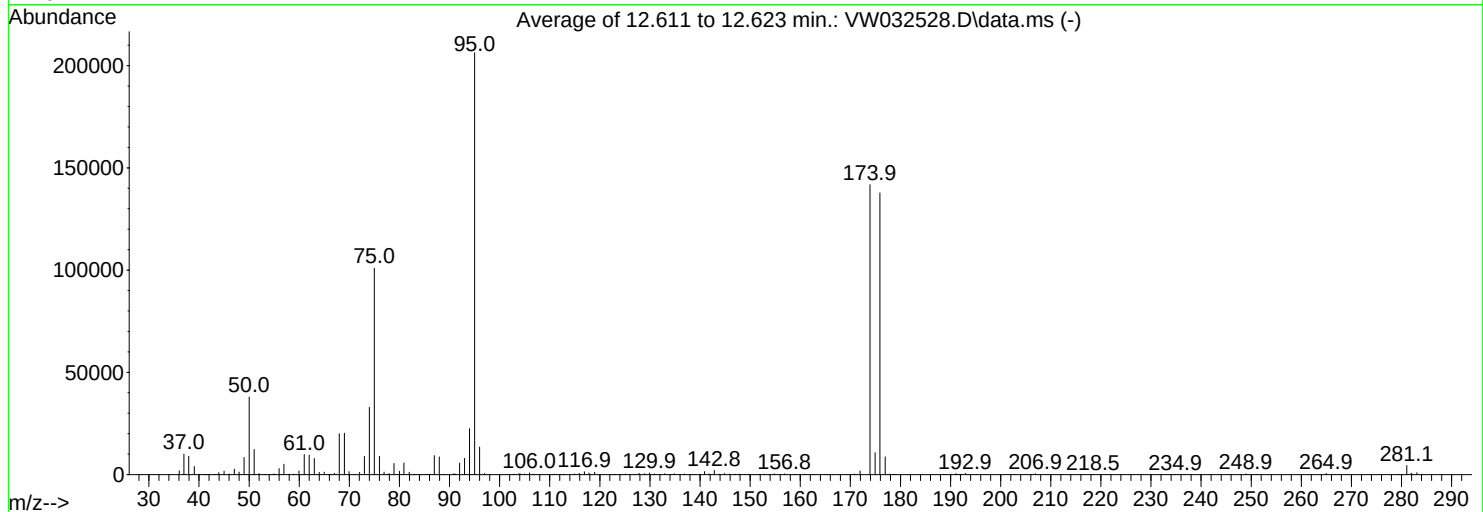
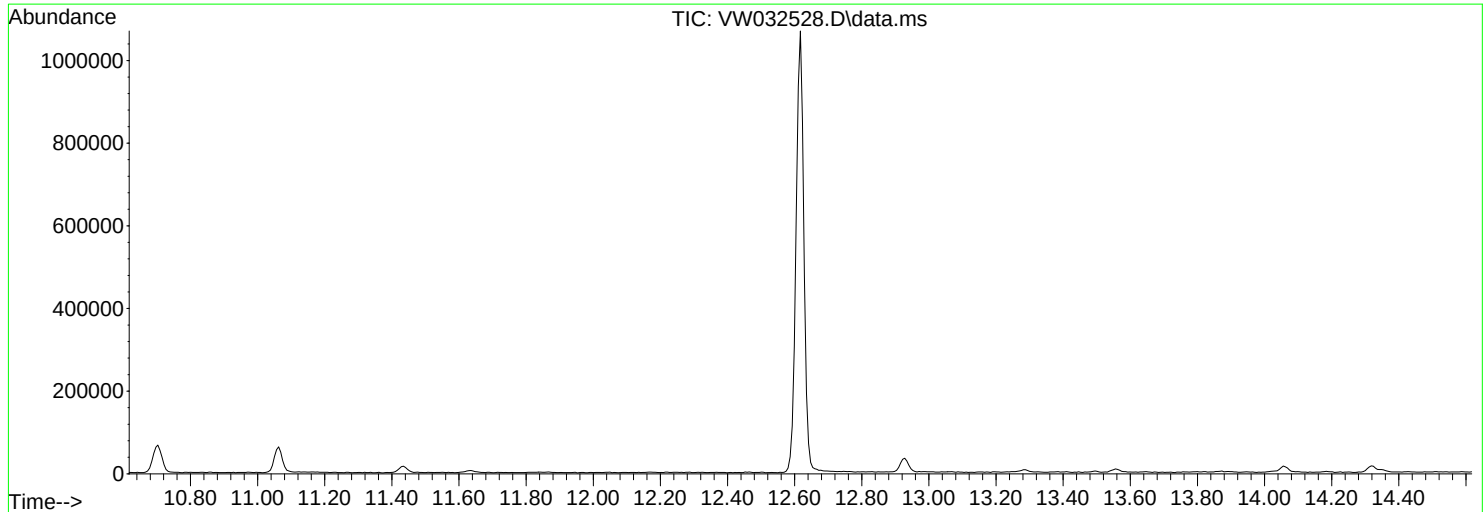
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.7	61165	PASS
75	95	30	60	49.7	162496	PASS
95	95	100	100	100.0	326997	PASS
96	95	5	9	6.7	21816	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	219371	PASS
175	174	5	9	7.6	16661	PASS
176	174	95	101	98.5	216149	PASS
177	176	5	9	6.3	13512	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032528.D
Acq On : 25 Nov 2025 08:13
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260
Last Update : Tue Nov 11 03:48:21 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

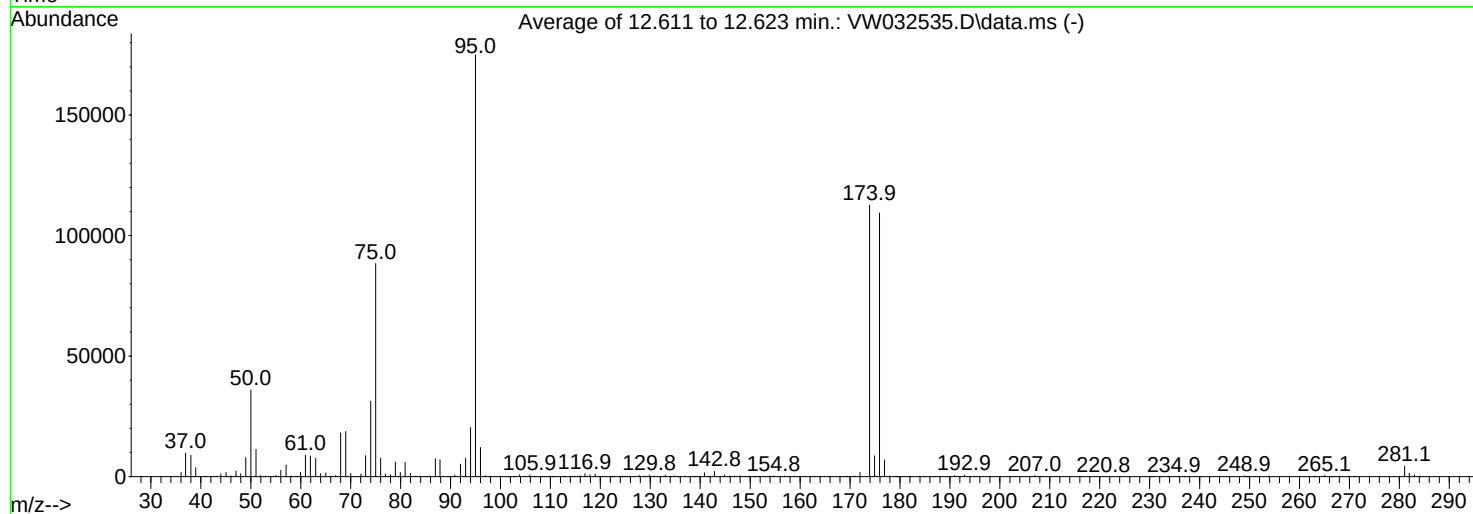
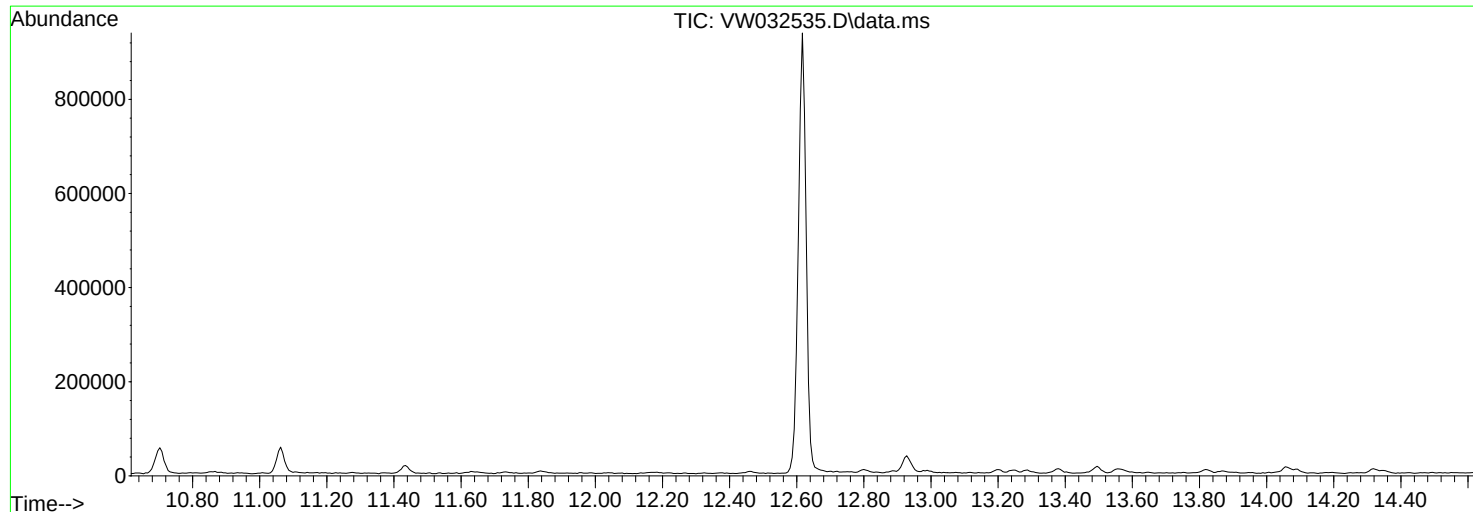
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	37909	PASS
75	95	30	60	48.9	100915	PASS
95	95	100	100	100.0	206293	PASS
96	95	5	9	6.5	13408	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.7	141755	PASS
175	174	5	9	7.5	10684	PASS
176	174	95	101	97.2	137736	PASS
177	176	5	9	6.3	8683	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032535.D
Acq On : 26 Nov 2025 11:05
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260
Last Update : Tue Nov 11 03:48:21 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

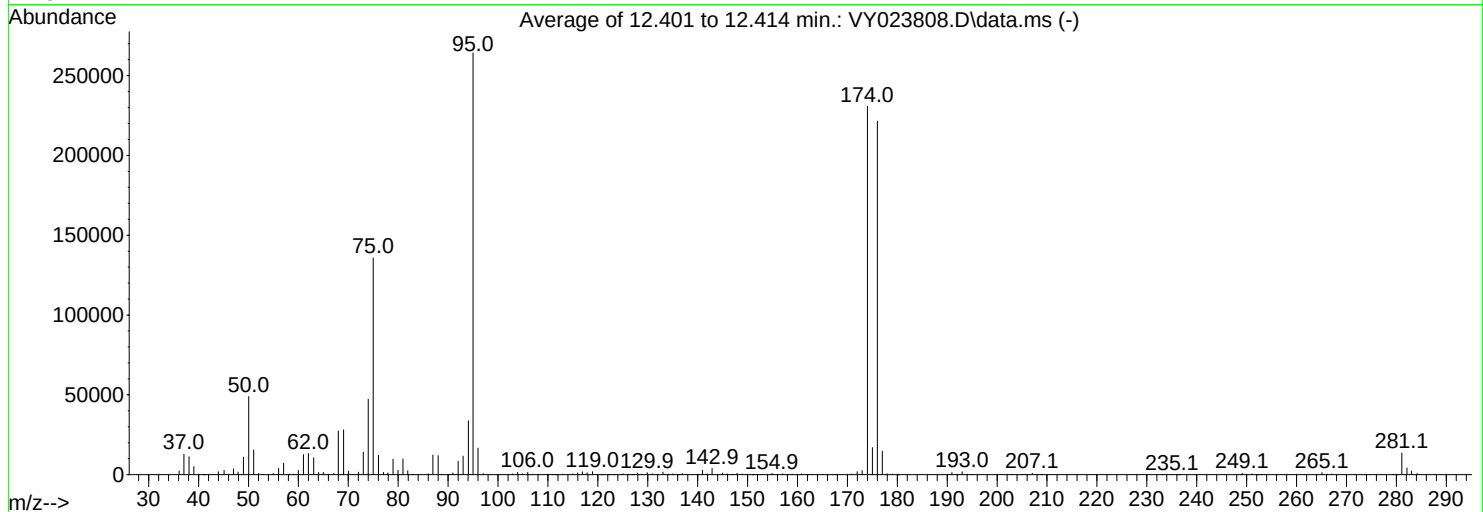
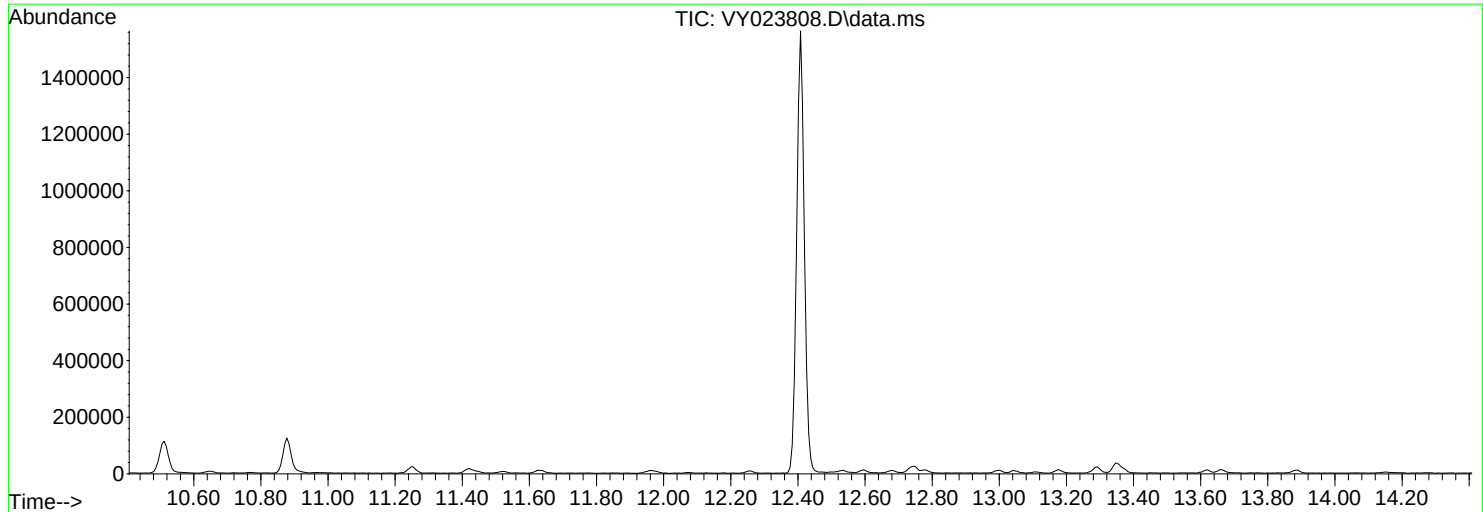
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	35963	PASS
75	95	30	60	50.5	88400	PASS
95	95	100	100	100.0	174976	PASS
96	95	5	9	6.9	12114	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.4	112659	PASS
175	174	5	9	7.7	8636	PASS
176	174	95	101	97.1	109392	PASS
177	176	5	9	6.3	6939	PASS

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

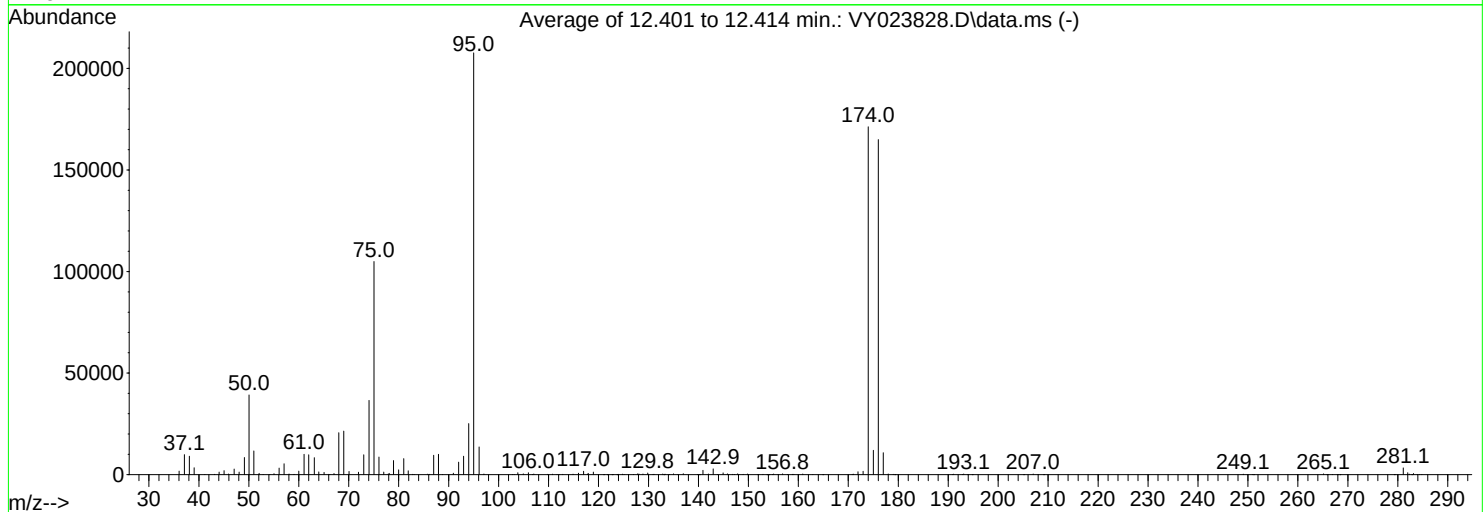
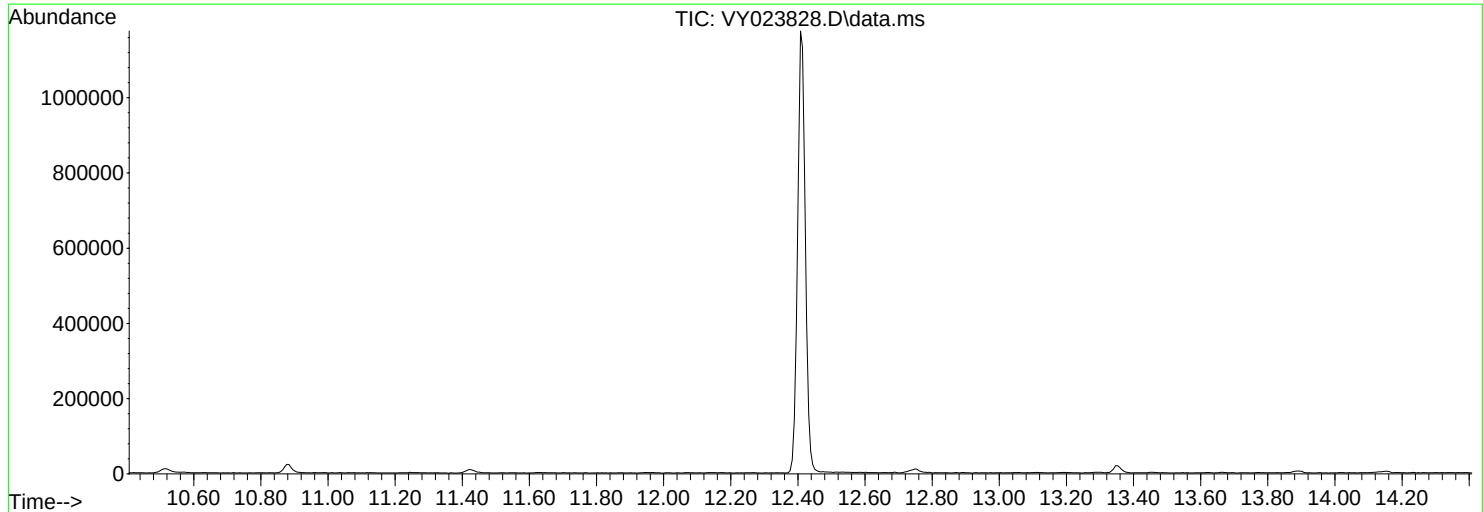
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.5	48904	PASS
75	95	30	60	51.4	135885	PASS
95	95	100	100	100.0	264277	PASS
96	95	5	9	6.3	16621	PASS
173	174	0.00	2	1.1	2509	PASS
174	95	50	100	87.3	230763	PASS
175	174	5	9	7.4	16984	PASS
176	174	95	101	96.0	221461	PASS
177	176	5	9	6.6	14721	PASS

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: VW1125SBL01
 Lab Sample ID: VW1125SBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 100
 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	11/25/25 09:57	VW112525
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/25/25 09:57	VW112525
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/25/25 09:57	VW112525
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/25/25 09:57	VW112525
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/25/25 09:57	VW112525
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/25/25 09:57	VW112525
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/25/25 09:57	VW112525
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/25/25 09:57	VW112525
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/25/25 09:57	VW112525
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/25/25 09:57	VW112525
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/25/25 09:57	VW112525
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/25/25 09:57	VW112525
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/25/25 09:57	VW112525
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/25/25 09:57	VW112525
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/25/25 09:57	VW112525
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/25/25 09:57	VW112525
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/25/25 09:57	VW112525
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/25/25 09:57	VW112525
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/25/25 09:57	VW112525
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/25/25 09:57	VW112525
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/25/25 09:57	VW112525
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/25/25 09:57	VW112525
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/25/25 09:57	VW112525
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/25/25 09:57	VW112525
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/25/25 09:57	VW112525
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/25/25 09:57	VW112525
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/25/25 09:57	VW112525
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/25/25 09:57	VW112525
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/25/25 09:57	VW112525
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/25/25 09:57	VW112525
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/25/25 09:57	VW112525
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/25/25 09:57	VW112525
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/25/25 09:57	VW112525
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/25/25 09:57	VW112525
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/25/25 09:57	VW112525
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/25/25 09:57	VW112525
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/25/25 09:57	VW112525
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/25/25 09:57	VW112525
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/25/25 09:57	VW112525
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/25/25 09:57	VW112525
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/25/25 09:57	VW112525
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/25/25 09:57	VW112525
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/25/25 09:57	VW112525



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	VW1125SBL01	SDG No.:	Q3719
Lab Sample ID:	VW1125SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

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	11/25/25 09:57	VW112525
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/25/25 09:57	VW112525
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/25/25 09:57	VW112525
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/25/25 09:57	VW112525
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/25/25 09:57	VW112525
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/25/25 09:57	VW112525
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/25/25 09:57	VW112525
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/25/25 09:57	VW112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.5			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.7			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	51.7			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.6			52 - 138	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	313000							
540-36-3	1,4-Difluorobenzene	617000							
3114-55-4	Chlorobenzene-d5	571000							
3855-82-1	1,4-Dichlorobenzene-d4	261000							

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_W\Data\VW112525\
 Data File : VW032530.D
 Acq On : 25 Nov 2025 09:57
 Operator : SY/MD
 Sample : VW1125SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1125SBL01

Quant Time: Nov 26 01:37:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	312940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	570663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	260746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	240172	59.529	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.060%
35) Dibromofluoromethane	7.898	113	201862	54.688	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.380%
50) Toluene-d8	10.325	98	732098	51.700	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.400%
62) 4-Bromofluorobenzene	12.617	95	270484	50.564	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.120%

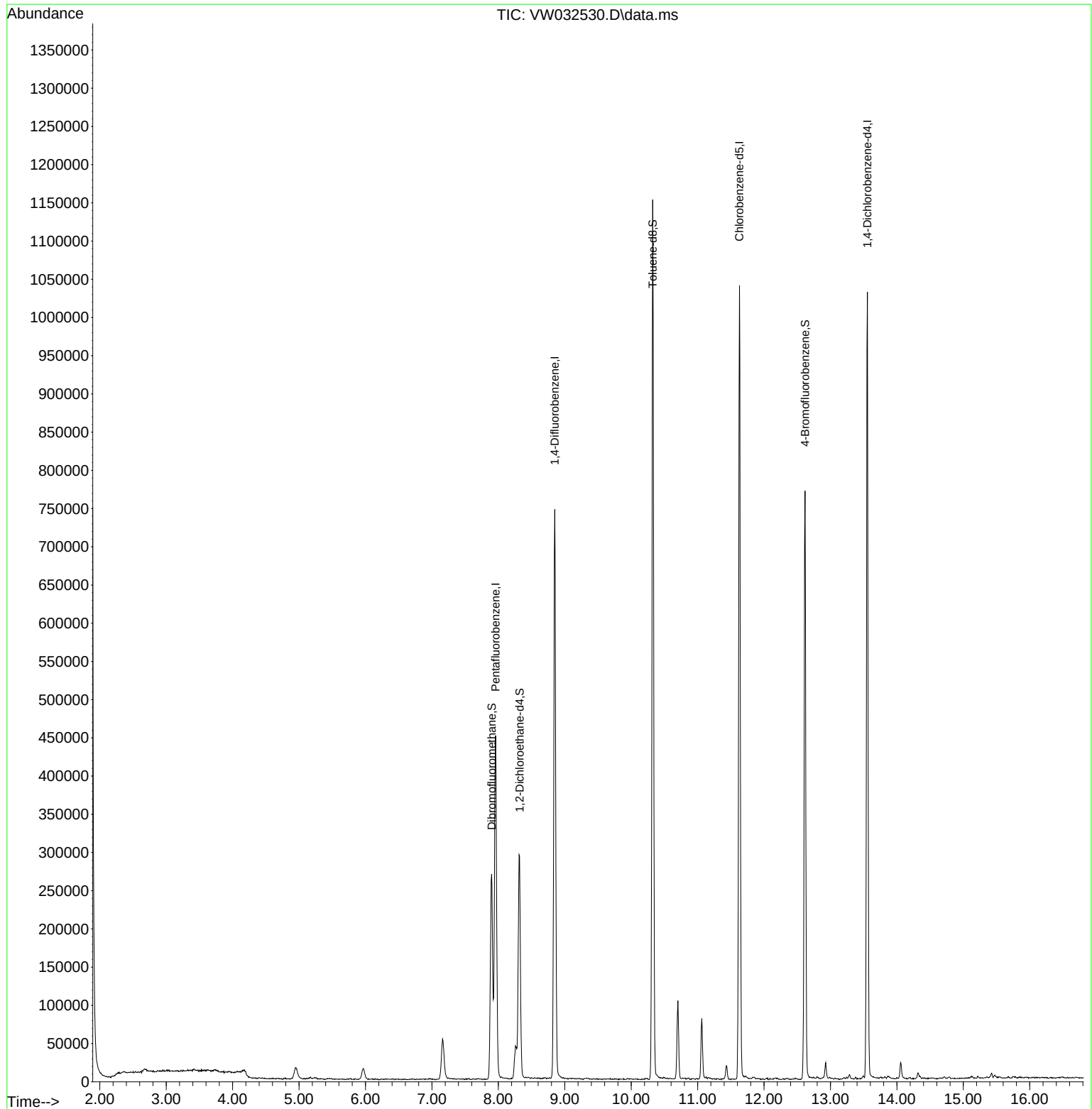
Target Compounds	Qvalue

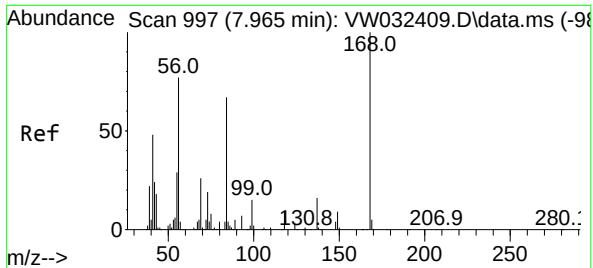
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032530.D
Acq On : 25 Nov 2025 09:57
Operator : SY/MD
Sample : VW1125SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Quant Time: Nov 26 01:37:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

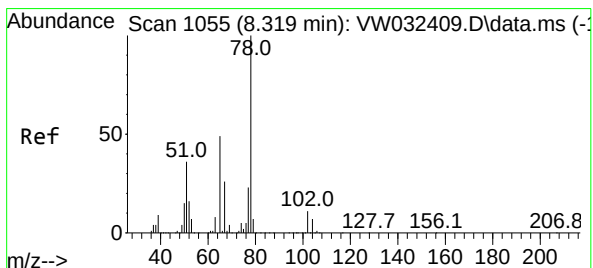
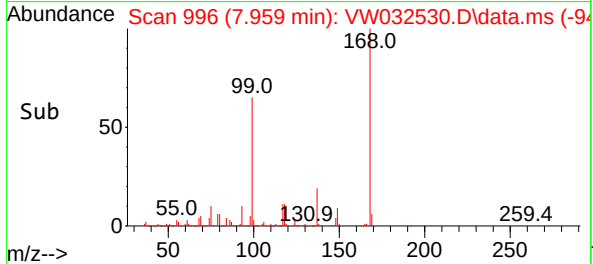
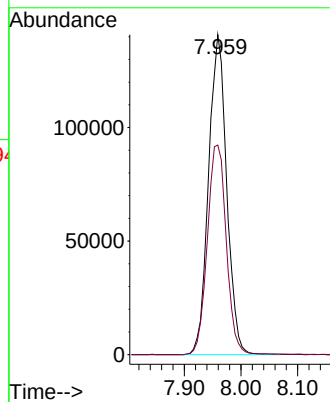
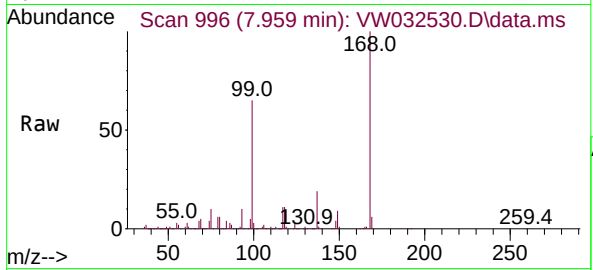




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

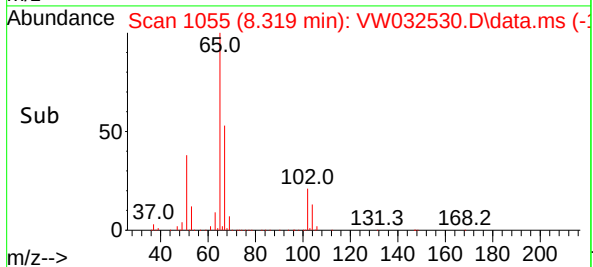
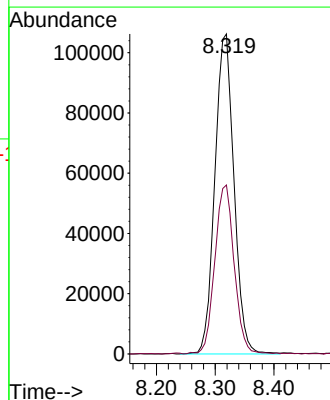
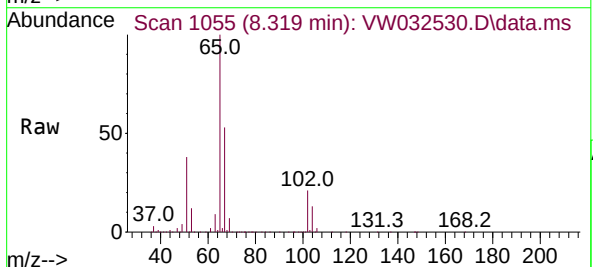
Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

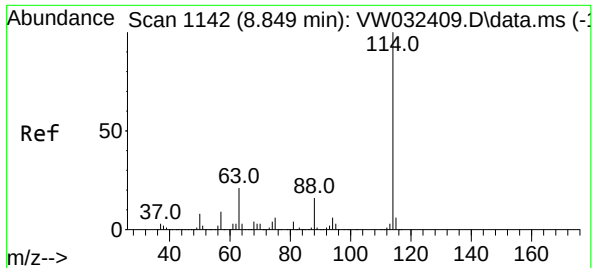
Tgt Ion:168 Resp: 312940
Ion Ratio Lower Upper
168 100
99 65.5 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 59.529 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

Tgt Ion: 65 Resp: 240172
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

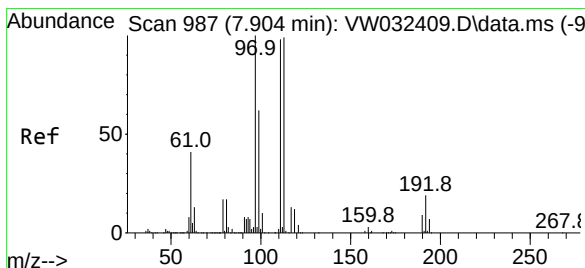
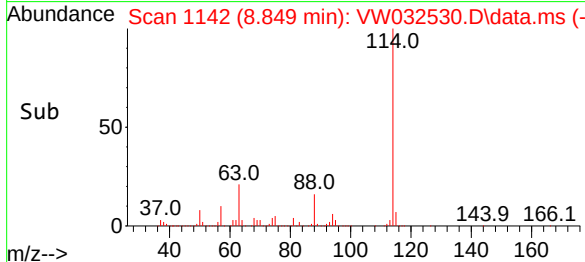
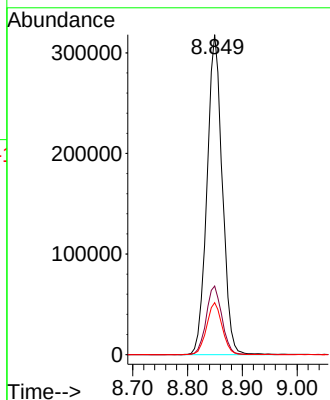
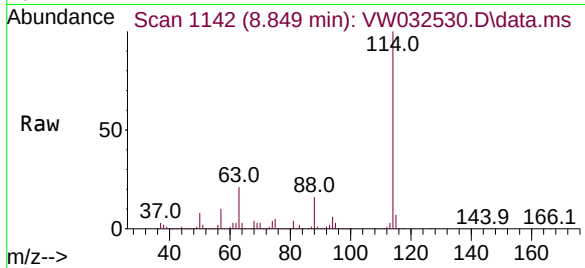




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

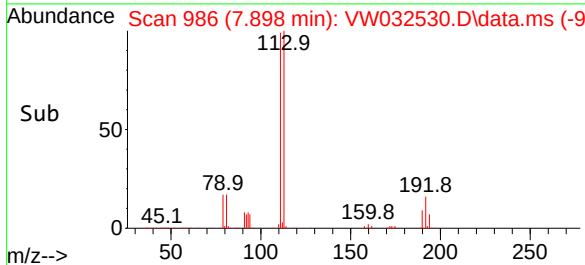
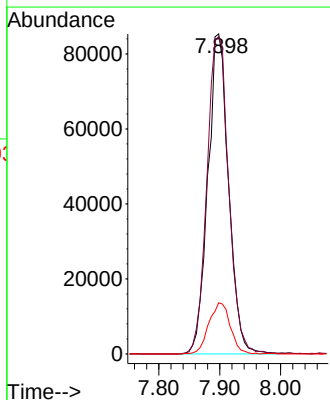
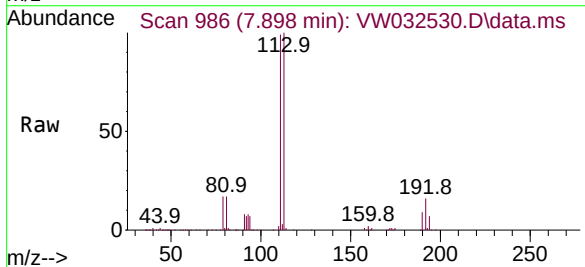
Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

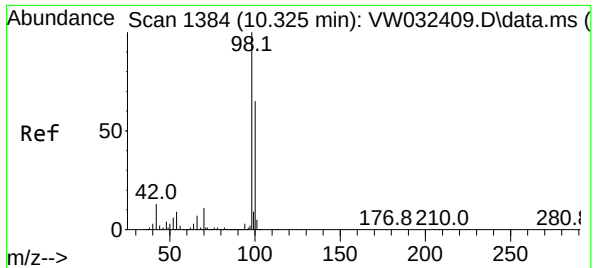
Tgt Ion:114	Resp:	616508
Ion	Ratio	Lower Upper
114	100	
63	21.4	0.0 41.8
88	16.2	0.0 32.6



#35
Dibromofluoromethane
Concen: 54.688 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

Tgt Ion:113	Resp:	201862
Ion	Ratio	Lower Upper
113	100	
111	104.4	83.1 124.7
192	16.5	13.4 20.2

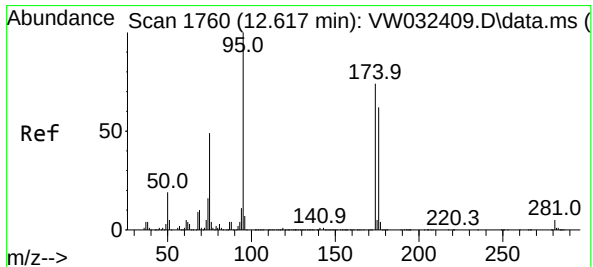
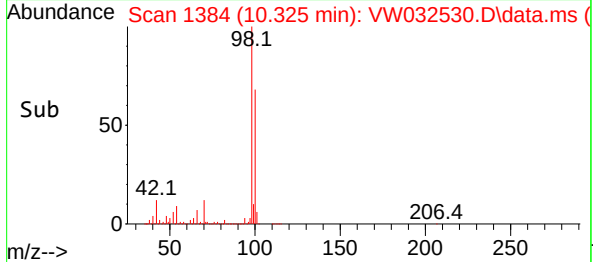
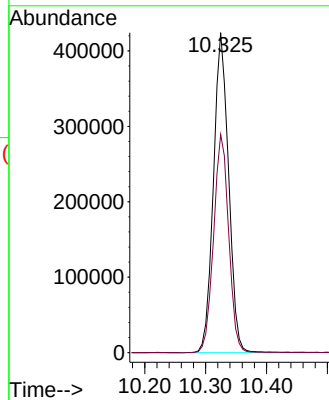
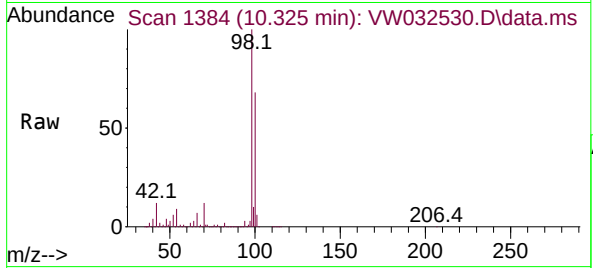




#50
Toluene-d8
Concen: 51.700 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

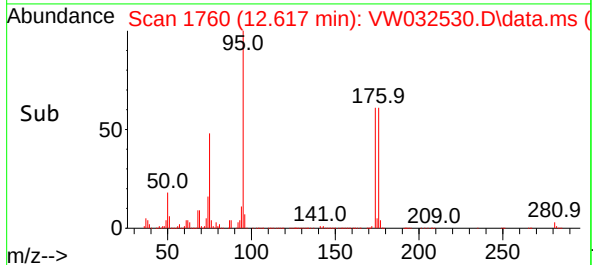
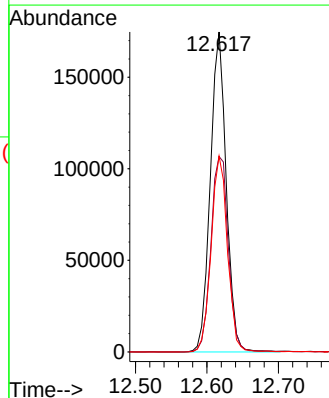
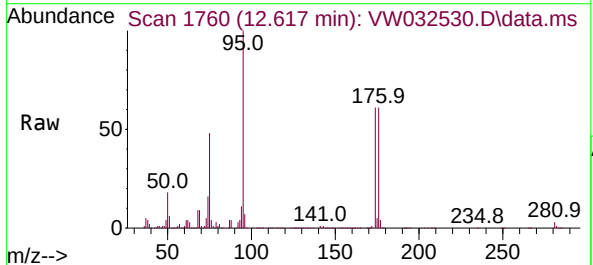
Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

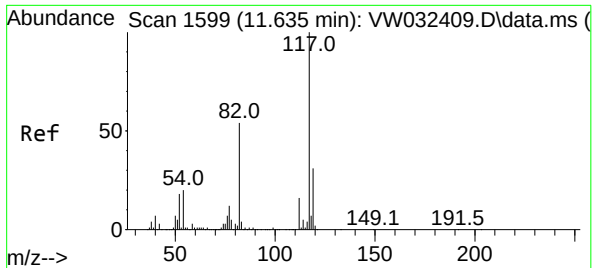
Tgt Ion: 98 Resp: 732098
Ion Ratio Lower Upper
98 100
100 67.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.564 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

Tgt Ion: 95 Resp: 270484
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.4
176 62.9 0.0 131.8

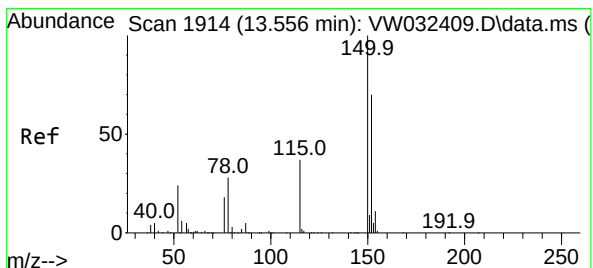
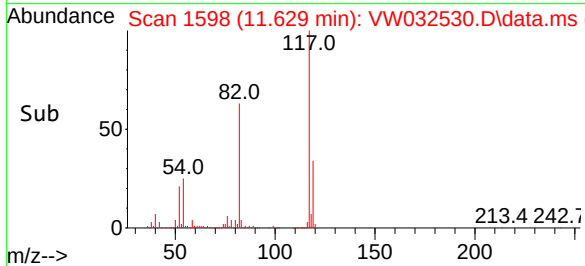
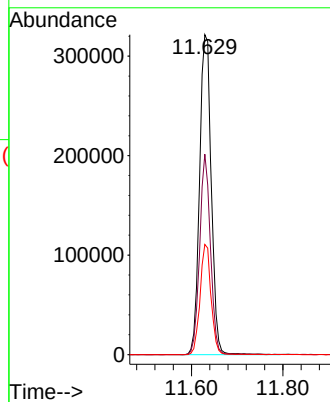
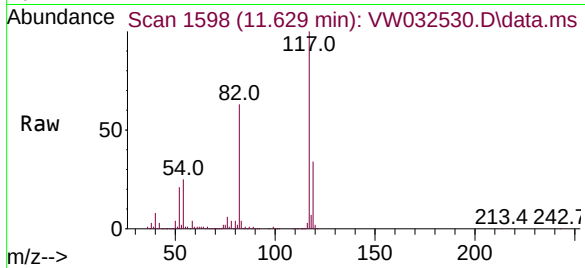




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

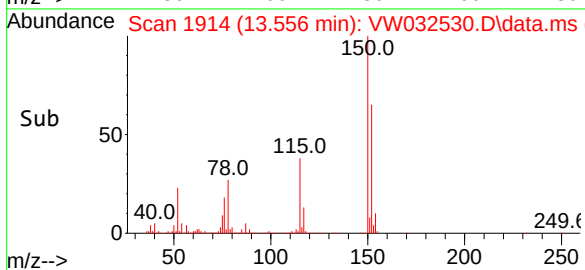
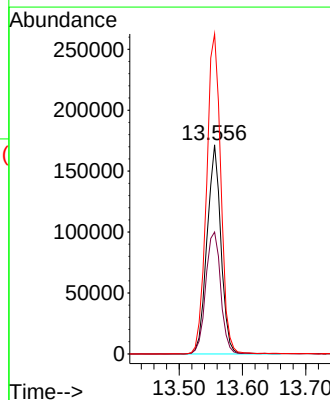
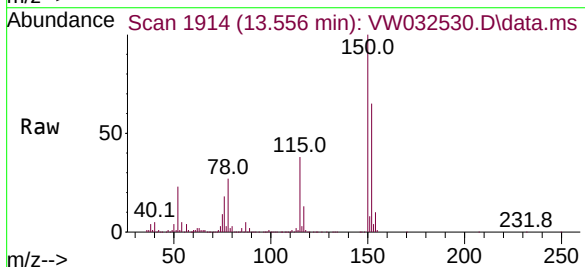
Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Tgt Ion:117 Resp: 570663
Ion Ratio Lower Upper
117 100
82 62.6 43.0 64.4
119 34.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032530.D
Acq: 25 Nov 2025 09:57

Tgt Ion:152 Resp: 260746
Ion Ratio Lower Upper
152 100
115 62.9 32.8 98.3
150 157.3 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032530.D
Acq On : 25 Nov 2025 09:57
Operator : SY/MD
Sample : VW1125SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M

Title : SW846 8260

Signal : TIC: VW032530.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	494	503	516	rBV3	14286	49435	2.47%	0.437%
2	5.966	658	669	681	rVB4	14454	47156	2.36%	0.417%
3	7.161	855	865	877	rBV	52439	152862	7.65%	1.352%
4	7.898	974	986	990	rBV	268545	634052	31.72%	5.608%
5	7.959	990	996	1008	rVB	447894	1037495	51.90%	9.177%
6	8.258	1036	1045	1048	rBV2	42716	99766	4.99%	0.882%
7	8.313	1048	1054	1070	rVB	292107	678283	33.93%	6.000%
8	8.849	1132	1142	1157	rBV	744597	1485683	74.33%	13.141%
9	10.325	1375	1384	1393	rBV	1151219	1998880	100.00%	17.680%
10	10.703	1439	1446	1454	rVB	102054	175813	8.80%	1.555%
11	11.062	1498	1505	1513	rBV	79195	136183	6.81%	1.205%
12	11.434	1560	1566	1572	rVB3	17775	32352	1.62%	0.286%
13	11.629	1587	1598	1611	rBV	1038644	1777123	88.91%	15.719%
14	12.617	1749	1760	1770	rBV	770125	1293949	64.73%	11.445%
15	12.928	1802	1811	1817	rBV2	20381	34264	1.71%	0.303%
16	13.556	1907	1914	1928	rBV	1027935	1635914	81.84%	14.470%
17	14.056	1991	1996	2002	rBV2	20674	36435	1.82%	0.322%

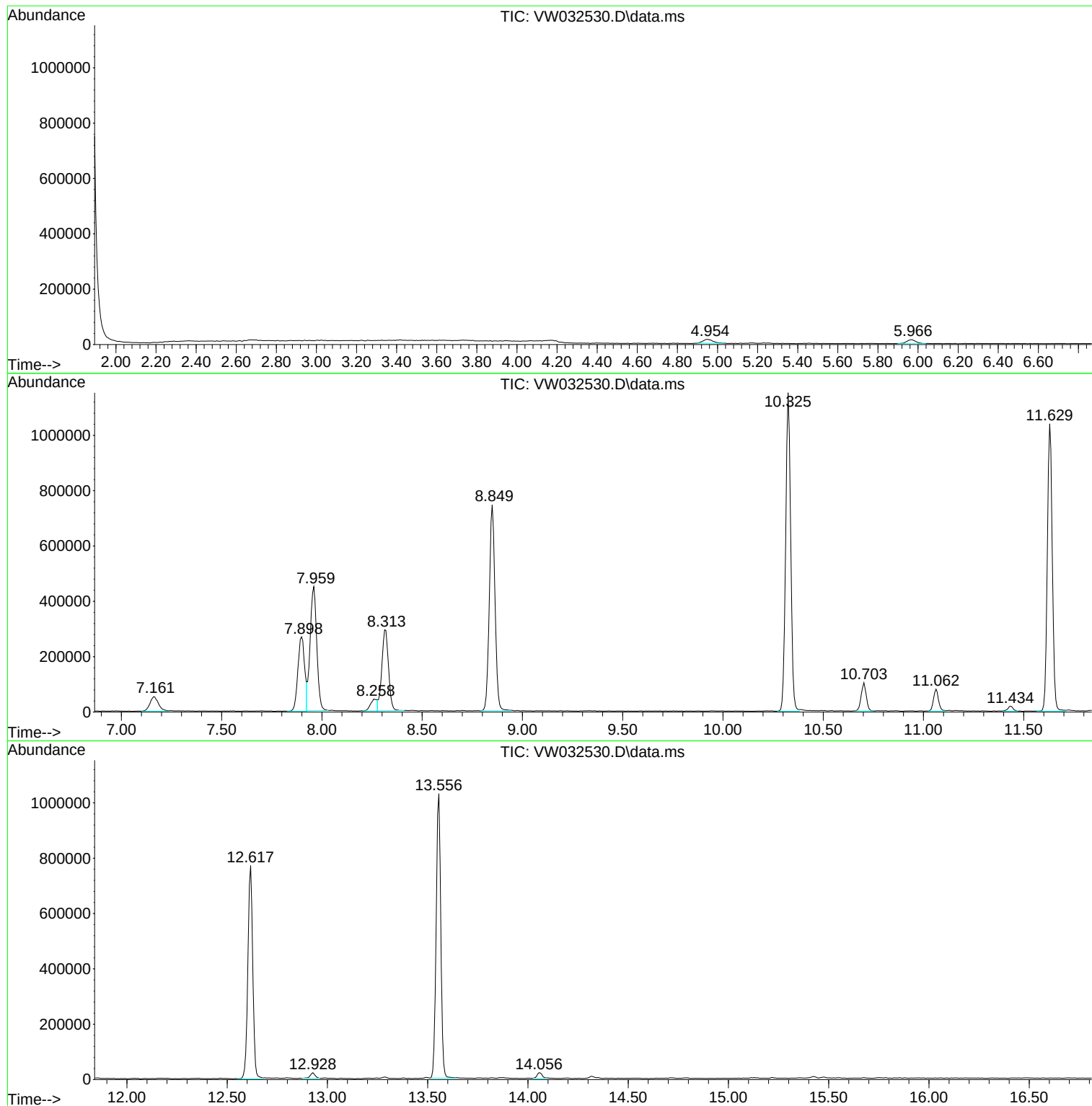
Sum of corrected areas: 11305645

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032530.D
Acq On : 25 Nov 2025 09:57
Operator : SY/MD
Sample : VW1125SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032530.D
Acq On : 25 Nov 2025 09:57
Operator : SY/MD
Sample : VW1125SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112525\
Data File : VW032530.D
Acq On : 25 Nov 2025 09:57
Operator : SY/MD
Sample : VW1125SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: VW1126SBL01
Lab Sample ID: VW1126SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3719
Matrix: SOIL
% Solid: 100
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	11/26/25 12:37	VW112625
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/26/25 12:37	VW112625
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/26/25 12:37	VW112625
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/26/25 12:37	VW112625
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/26/25 12:37	VW112625
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/26/25 12:37	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/26/25 12:37	VW112625
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/26/25 12:37	VW112625
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/26/25 12:37	VW112625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/26/25 12:37	VW112625
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/26/25 12:37	VW112625
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/26/25 12:37	VW112625
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/26/25 12:37	VW112625
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/26/25 12:37	VW112625
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/26/25 12:37	VW112625
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/26/25 12:37	VW112625
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/26/25 12:37	VW112625
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/26/25 12:37	VW112625
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/26/25 12:37	VW112625
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/26/25 12:37	VW112625
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/26/25 12:37	VW112625
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/26/25 12:37	VW112625
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/26/25 12:37	VW112625
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/26/25 12:37	VW112625
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/26/25 12:37	VW112625
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/26/25 12:37	VW112625
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/26/25 12:37	VW112625
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/26/25 12:37	VW112625
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/26/25 12:37	VW112625
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/26/25 12:37	VW112625
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/26/25 12:37	VW112625
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/26/25 12:37	VW112625
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/26/25 12:37	VW112625
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/26/25 12:37	VW112625
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/26/25 12:37	VW112625
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/26/25 12:37	VW112625
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/26/25 12:37	VW112625
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/26/25 12:37	VW112625
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/26/25 12:37	VW112625
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/26/25 12:37	VW112625
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/26/25 12:37	VW112625
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/26/25 12:37	VW112625
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/26/25 12:37	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	VW1126SBL01	SDG No.:	Q3719
Lab Sample ID:	VW1126SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

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	11/26/25 12:37	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/26/25 12:37	VW112625
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/26/25 12:37	VW112625
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/26/25 12:37	VW112625
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/26/25 12:37	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/26/25 12:37	VW112625
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/26/25 12:37	VW112625
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/26/25 12:37	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.0			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.3			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	49.6			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.2			52 - 138	94%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	323000							
540-36-3	1,4-Difluorobenzene	616000							
3114-55-4	Chlorobenzene-d5	556000							
3855-82-1	1,4-Dichlorobenzene-d4	254000							

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_W\Data\VW112625\
 Data File : VW032537.D
 Acq On : 26 Nov 2025 12:37
 Operator : SY/MD
 Sample : VW1126SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBL01

Quant Time: Nov 27 00:25:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	322545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	615508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	556062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253580	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	253776	61.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	122.060%
35) Dibromofluoromethane	7.898	113	200211	54.328	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.660%
50) Toluene-d8	10.325	98	700835	49.572	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.617	95	251867	47.160	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.320%

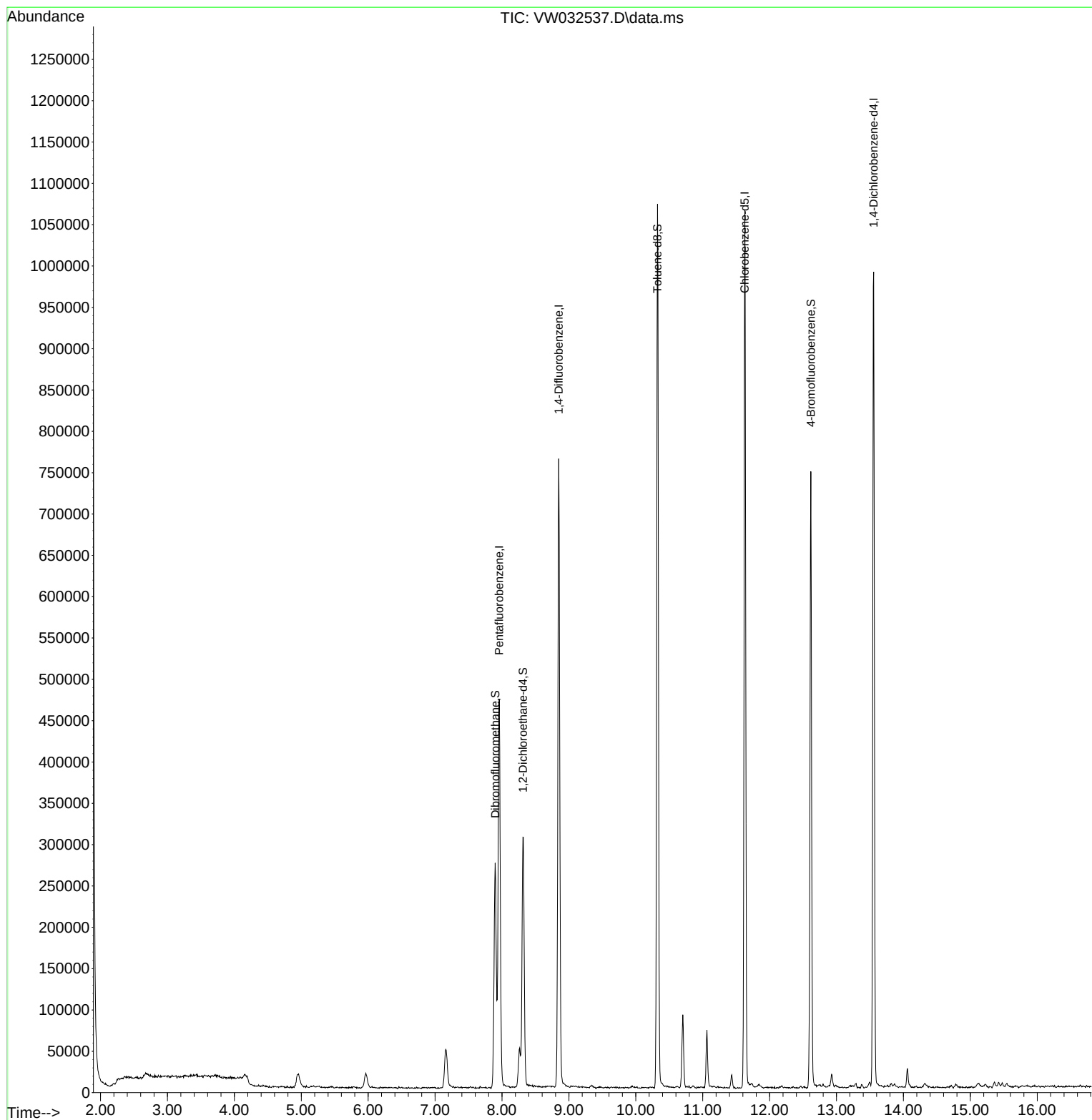
Target Compounds	Qvalue

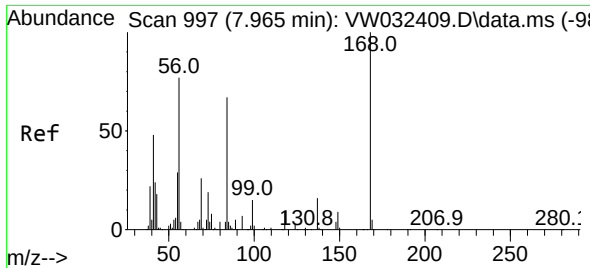
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032537.D
Acq On : 26 Nov 2025 12:37
Operator : SY/MD
Sample : VW1126SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Quant Time: Nov 27 00:25:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

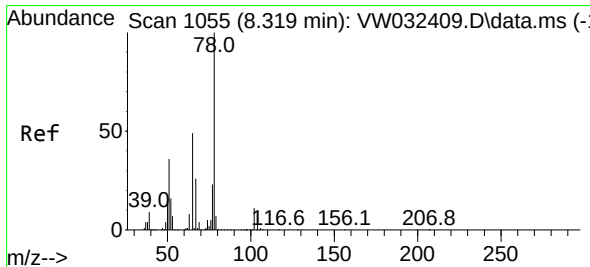
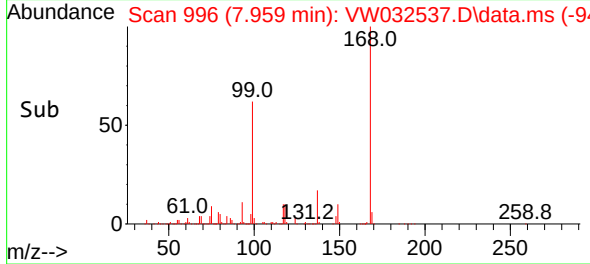
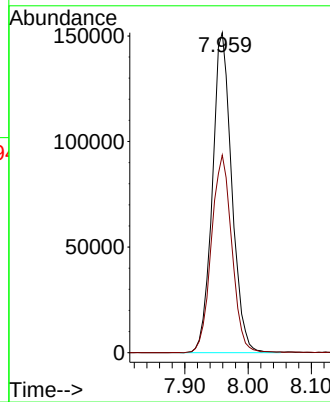
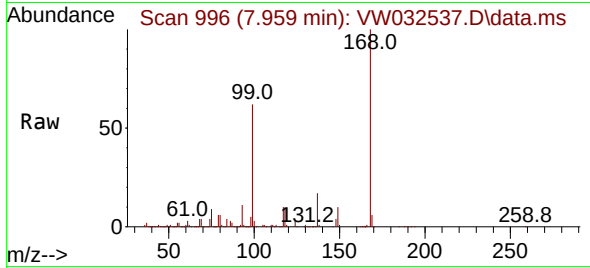




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

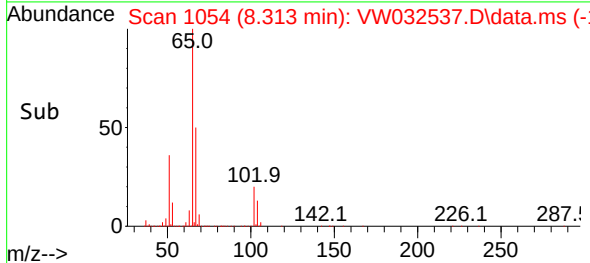
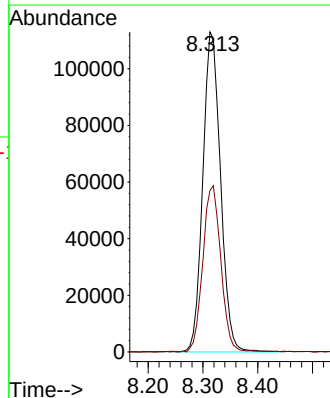
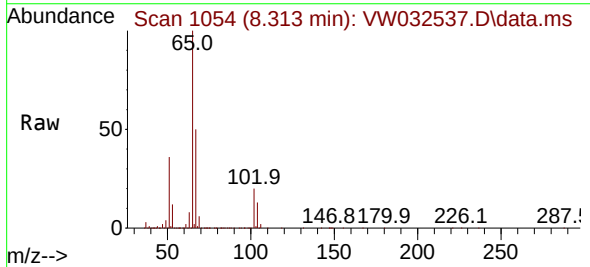
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

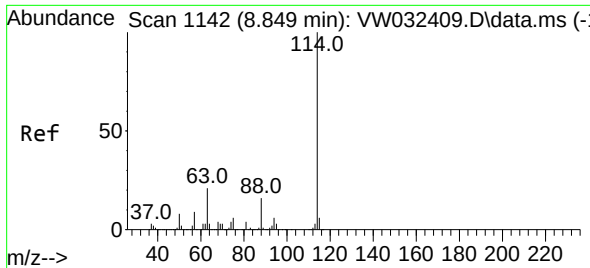
Tgt Ion:168 Resp: 322545
Ion Ratio Lower Upper
168 100
99 61.7 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 61.028 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

Tgt Ion: 65 Resp: 253776
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

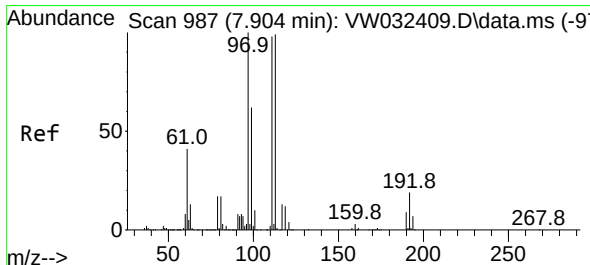
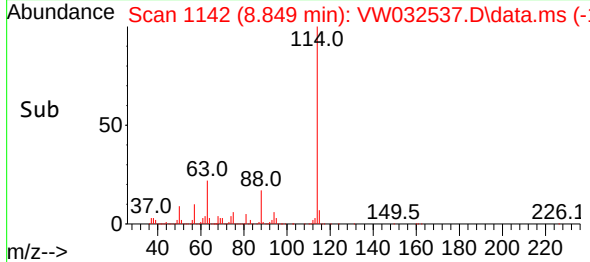
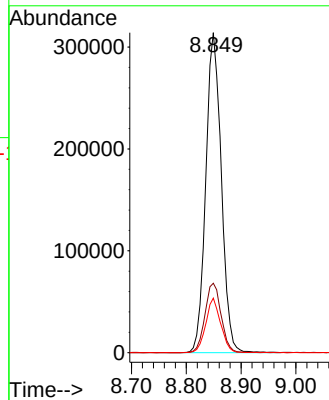
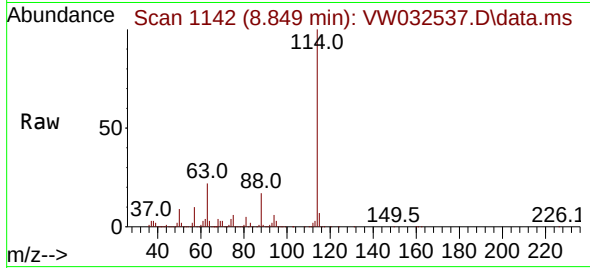




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

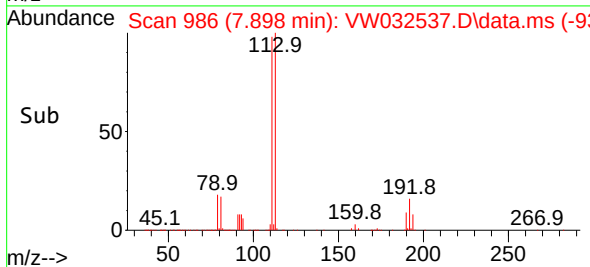
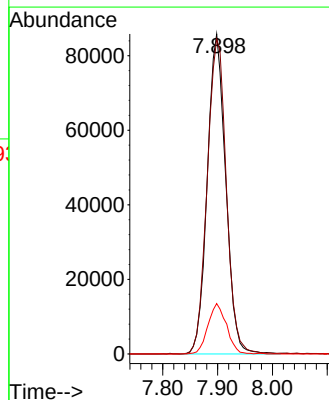
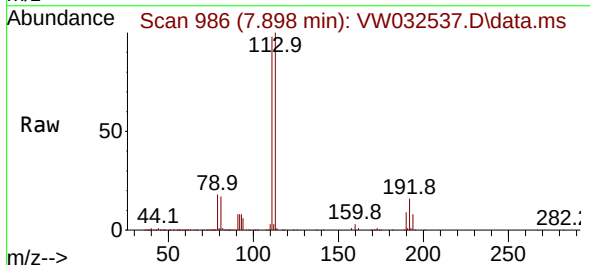
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

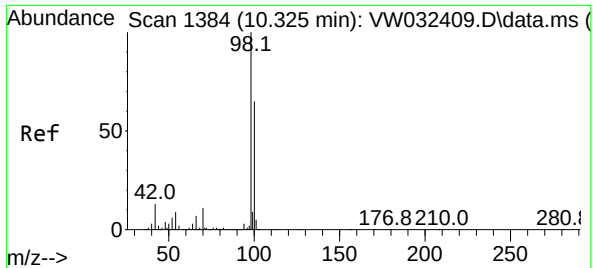
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	17.1	0.0	32.6



#35
Dibromofluoromethane
Concen: 54.328 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	15.9	13.4	20.2

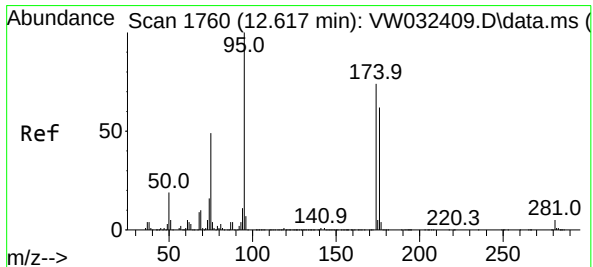
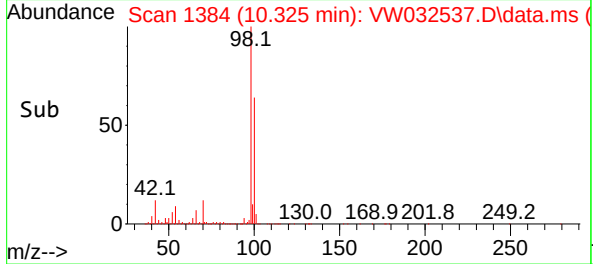
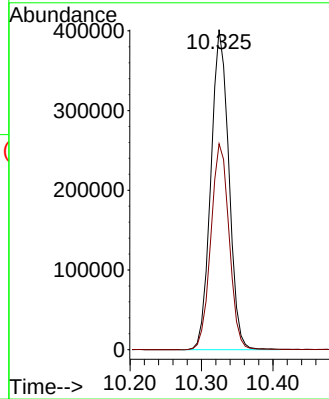
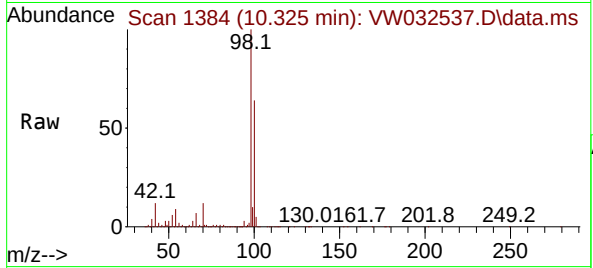




#50
Toluene-d8
Concen: 49.572 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

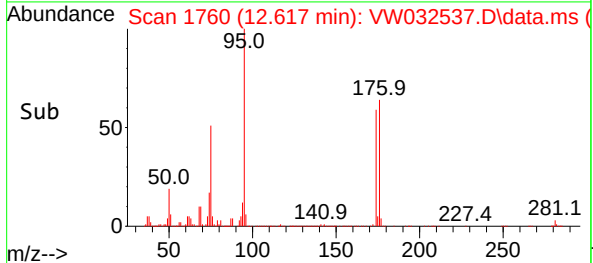
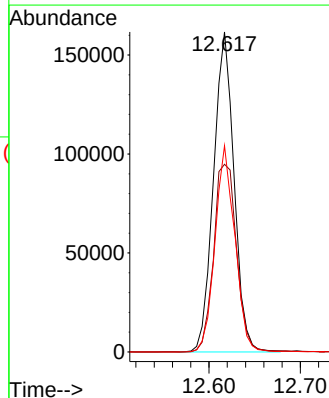
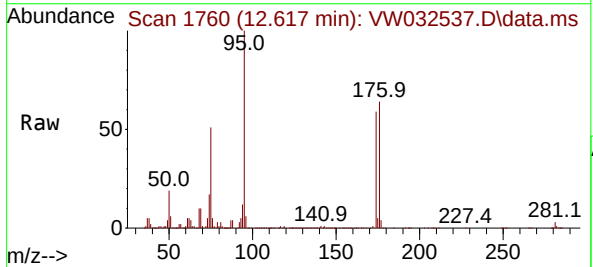
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

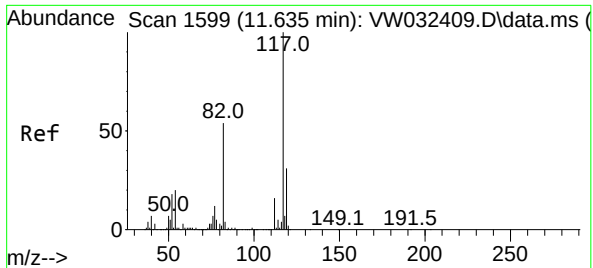
Tgt Ion: 98 Resp: 700835
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.160 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

Tgt Ion: 95 Resp: 251867
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.4
176 62.5 0.0 131.8

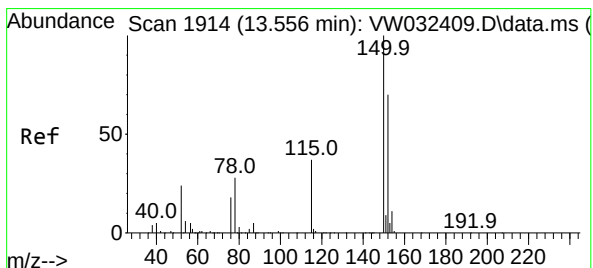
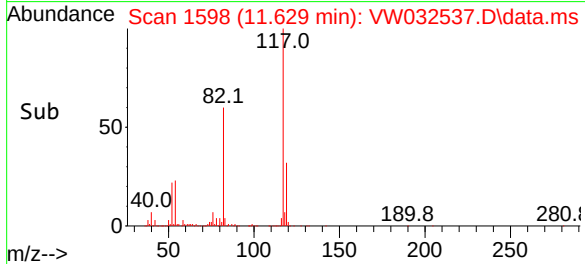
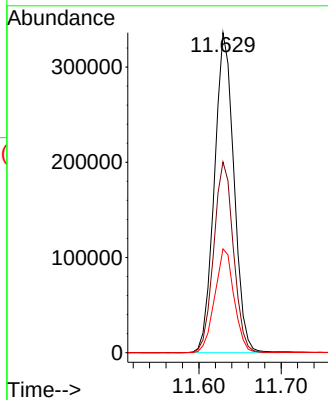
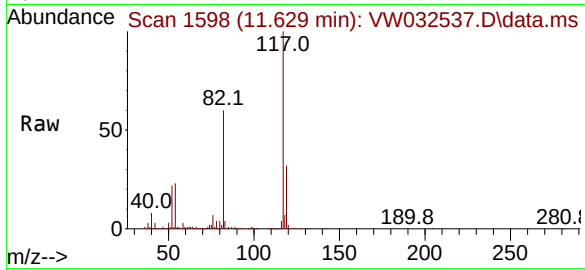




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

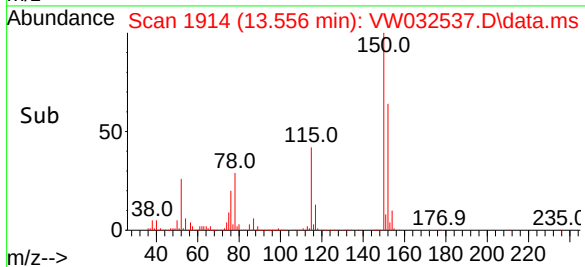
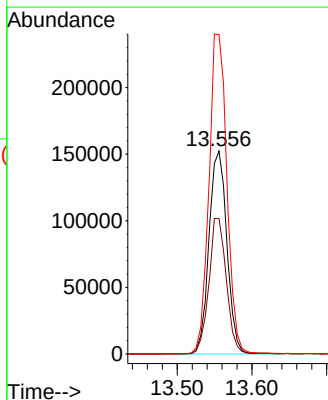
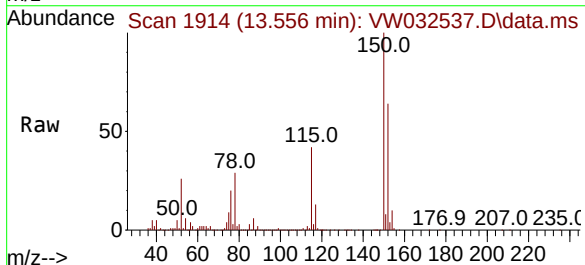
Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Tgt Ion:117 Resp: 556062
Ion Ratio Lower Upper
117 100
82 59.6 43.0 64.4
119 32.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032537.D
Acq: 26 Nov 2025 12:37

Tgt Ion:152 Resp: 253580
Ion Ratio Lower Upper
152 100
115 64.9 32.8 98.3
150 158.4 0.0 356.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032537.D
 Acq On : 26 Nov 2025 12:37
 Operator : SY/MD
 Sample : VW1126SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBL01

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_W\Method\82W111025S.M
 Title : SW846 8260

Signal : TIC: VW032537.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	493	502	503	rBV2	15938	33371	1.76%	0.299%
2	5.966	657	669	680	rBV3	18261	60905	3.21%	0.546%
3	7.161	855	865	874	rBV	46523	139505	7.35%	1.250%
4	7.898	975	986	990	rBV	272874	630859	33.22%	5.654%
5	7.959	990	996	1007	rVB	467687	1056543	55.63%	9.470%
6	8.264	1036	1046	1048	rBV	47415	99243	5.23%	0.889%
7	8.313	1048	1054	1065	rVB	300596	694155	36.55%	6.222%
8	8.849	1131	1142	1152	rBV	760281	1508847	79.45%	13.524%
9	10.325	1376	1384	1394	rBV	1069554	1899139	100.00%	17.022%
10	10.703	1438	1446	1453	rBV2	88642	161627	8.51%	1.449%
11	11.062	1499	1505	1512	rBV	69832	116218	6.12%	1.042%
12	11.434	1560	1566	1571	rBV3	16324	28902	1.52%	0.259%
13	11.629	1588	1598	1609	rBV	1062223	1790366	94.27%	16.047%
14	12.617	1751	1760	1769	rBV	745828	1238802	65.23%	11.103%
15	12.928	1806	1811	1817	rVB3	15149	28224	1.49%	0.253%
16	13.556	1907	1914	1922	rVV	984478	1628457	85.75%	14.596%
17	14.062	1991	1997	2006	rVB	22618	42009	2.21%	0.377%

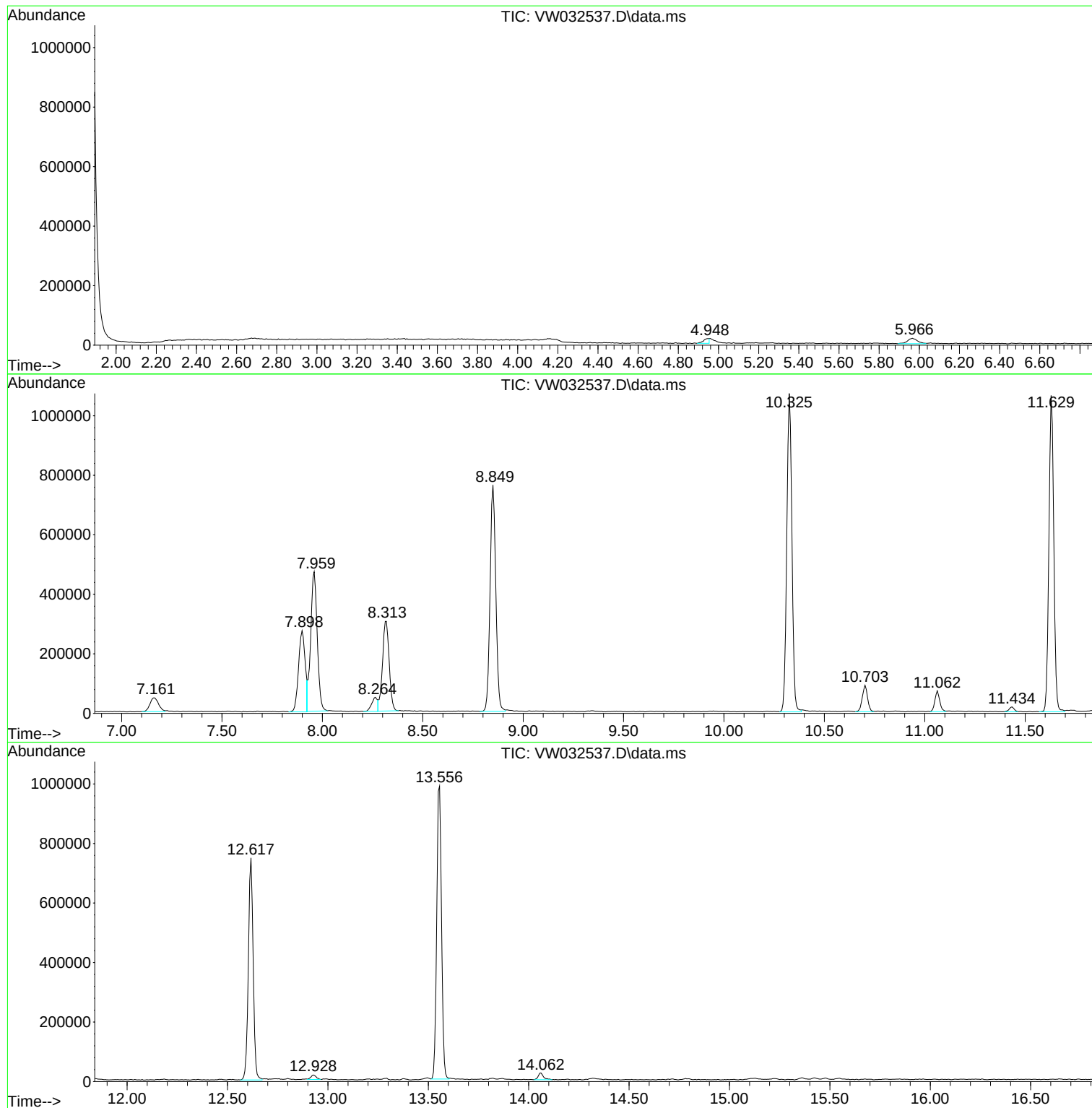
Sum of corrected areas: 11157172

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032537.D
Acq On : 26 Nov 2025 12:37
Operator : SY/MD
Sample : VW1126SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032537.D
Acq On : 26 Nov 2025 12:37
Operator : SY/MD
Sample : VW1126SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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_W\Data\VW112625\
Data File : VW032537.D
Acq On : 26 Nov 2025 12:37
Operator : SY/MD
Sample : VW1126SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: VY1201SBL01
 Lab Sample ID: VY1201SBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 100
 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



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

Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: VY1201SBL01
Lab Sample ID: VY1201SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3719
Matrix: SOIL
% Solid: 100
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									
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%

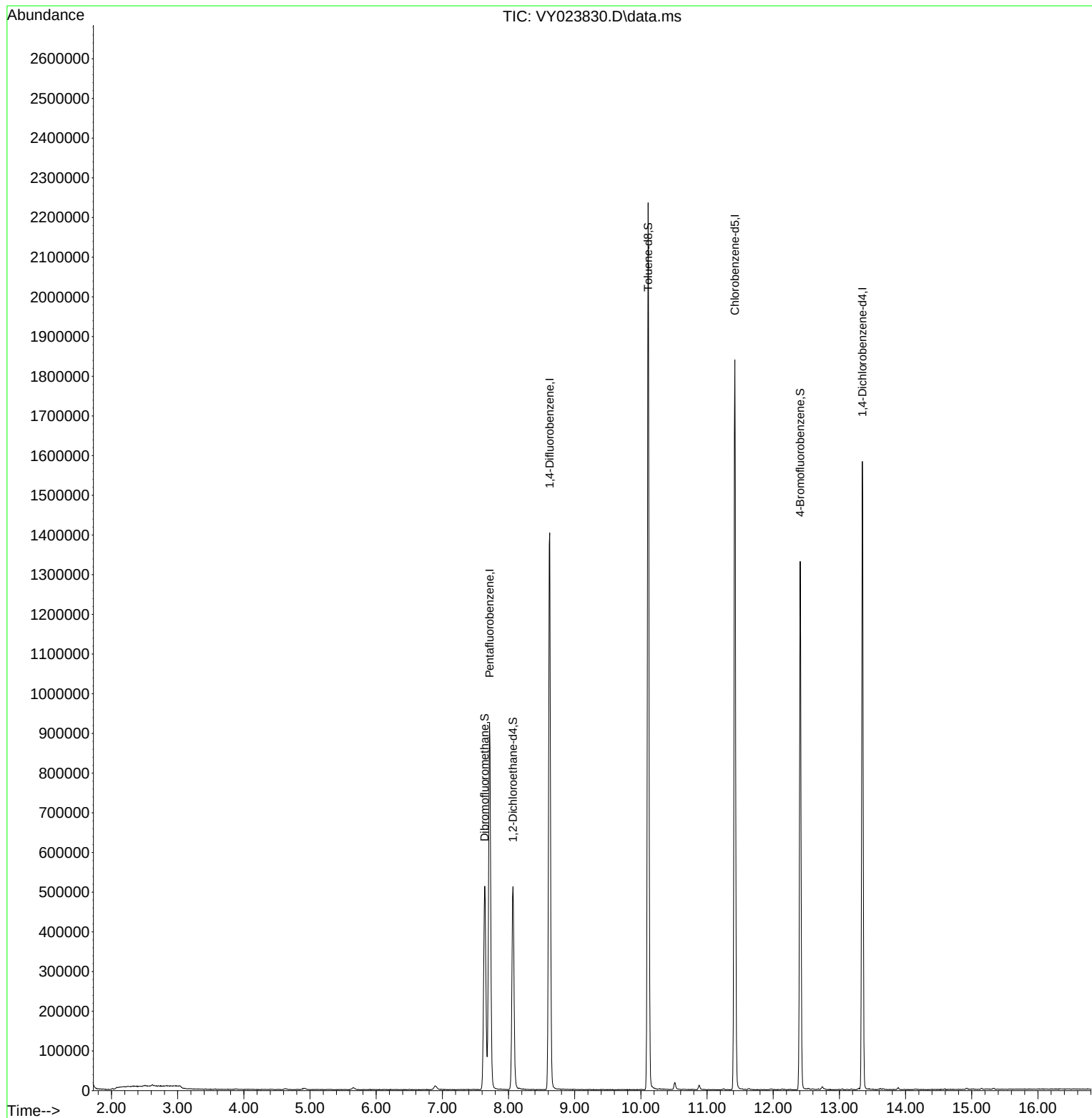
Target Compounds	Qvalue

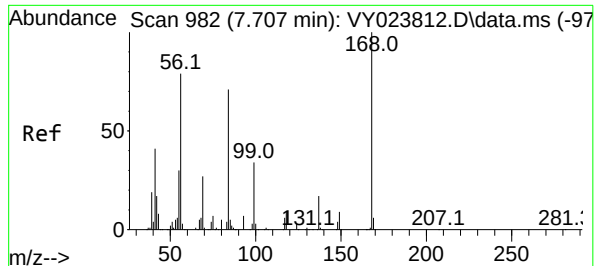
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

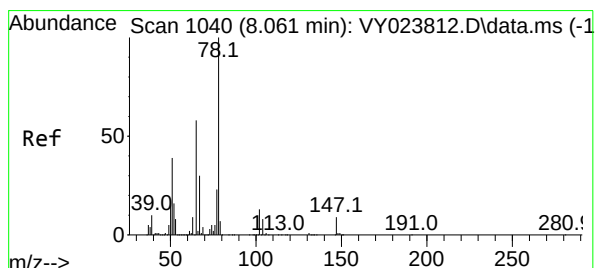
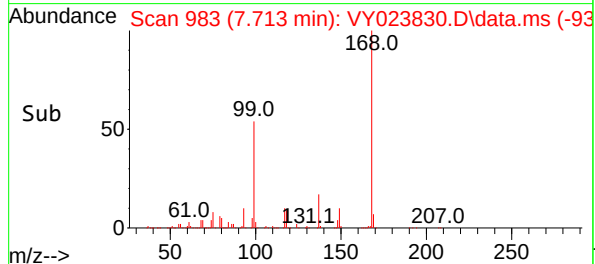
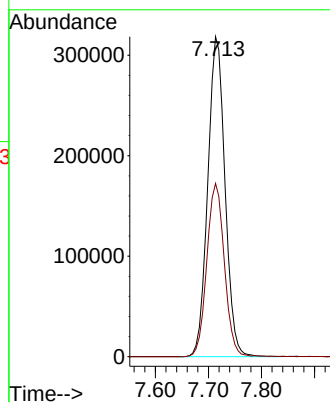
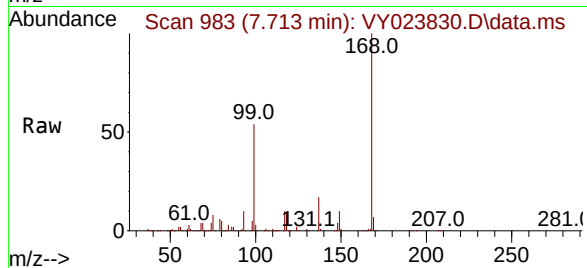




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

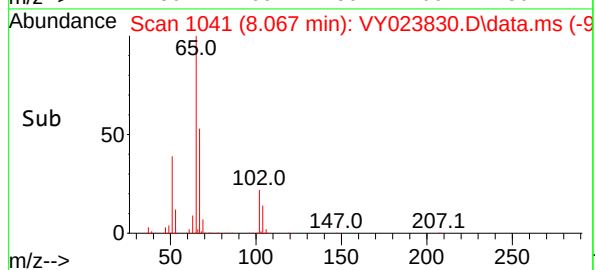
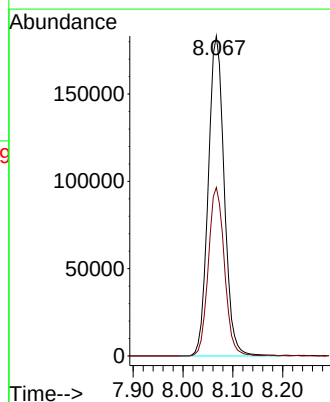
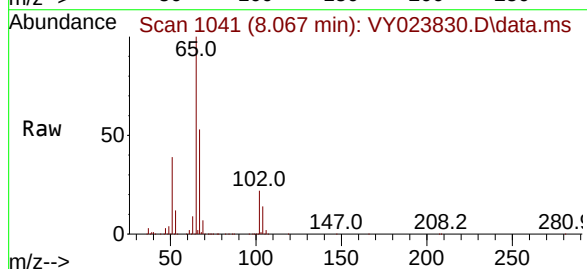
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

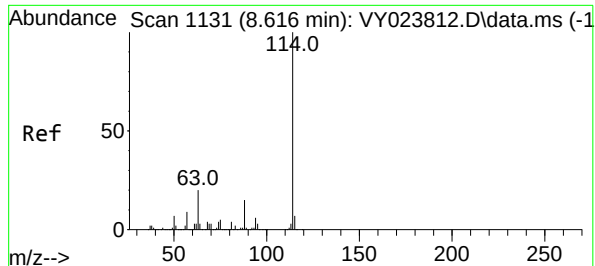
Tgt Ion:168 Resp: 719047
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#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# 1132

Delta R.T. 0.006 min

Lab File: VY023830.D

Acq: 01 Dec 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1201SBL01

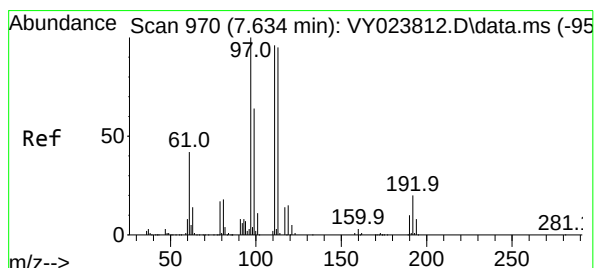
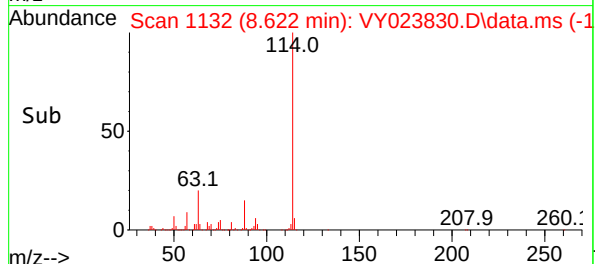
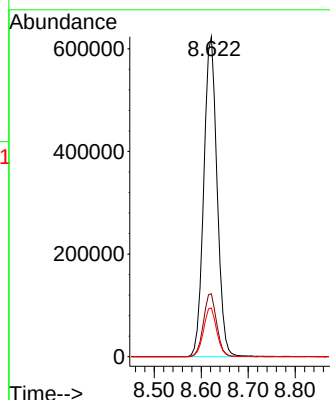
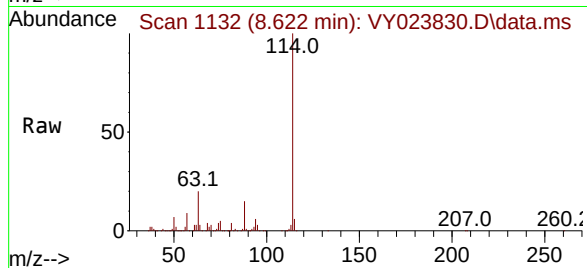
Tgt Ion:114 Resp: 1221329

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

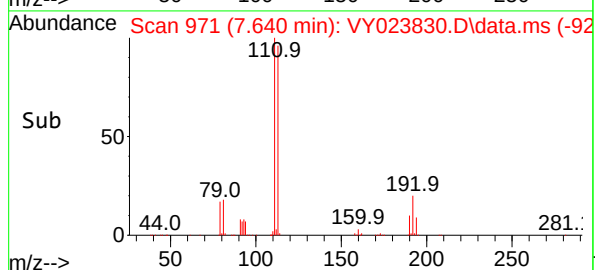
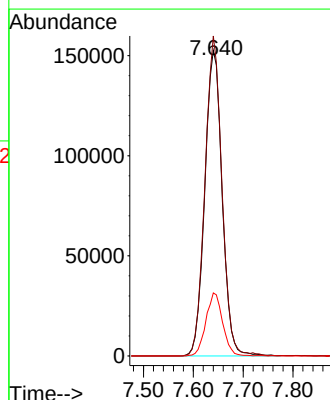
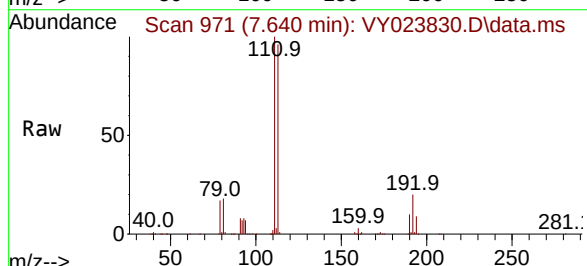
Tgt Ion:113 Resp: 368921

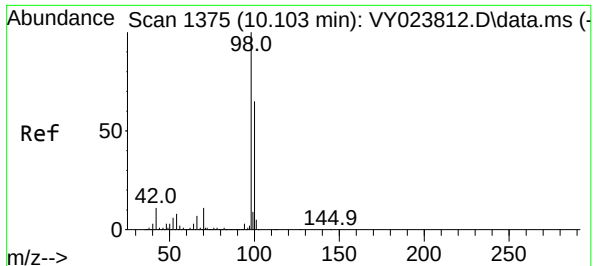
Ion Ratio Lower Upper

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# 1375

Delta R.T. 0.006 min

Lab File: VY023830.D

Acq: 01 Dec 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

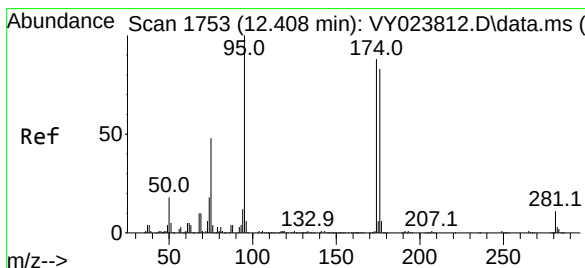
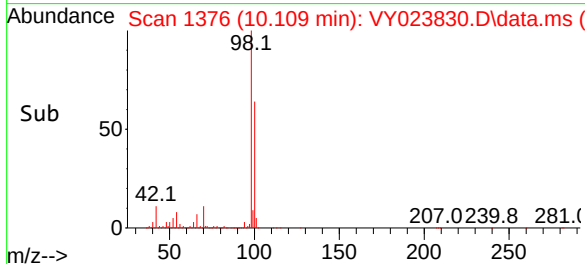
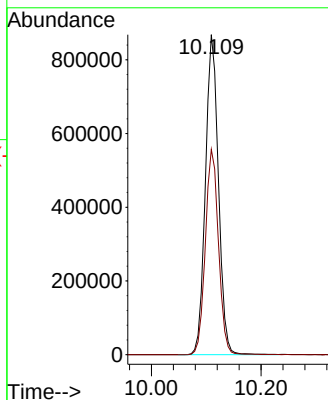
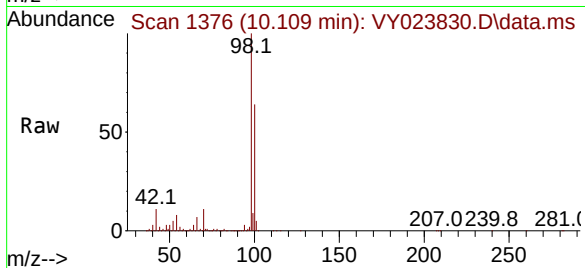
VY1201SBL01

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

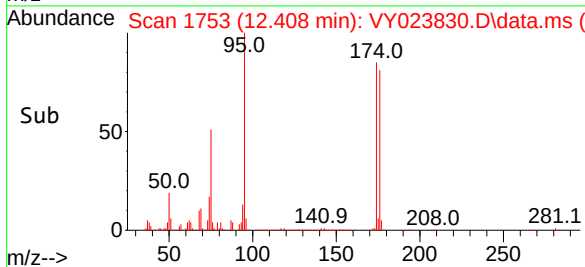
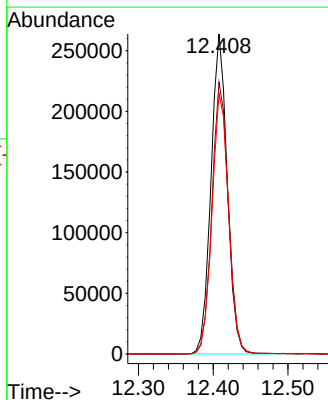
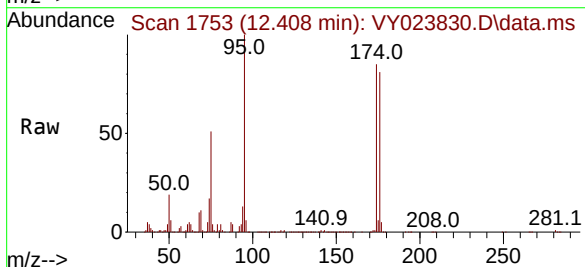
Tgt Ion: 95 Resp: 399287

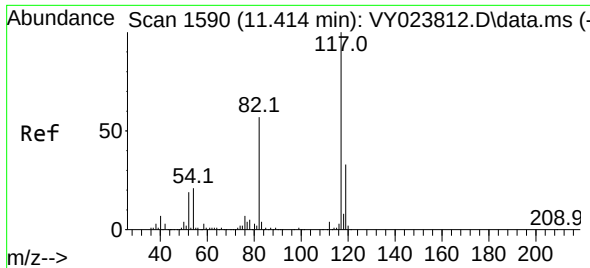
Ion Ratio Lower Upper

95 100

174 86.7 0.0 168.6

176 83.0 0.0 164.6

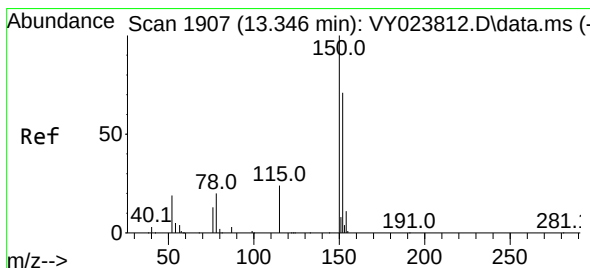
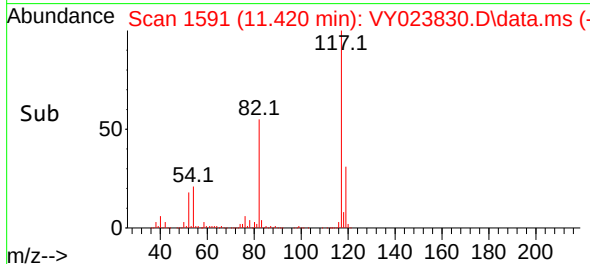
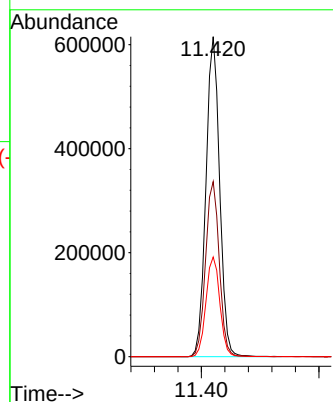
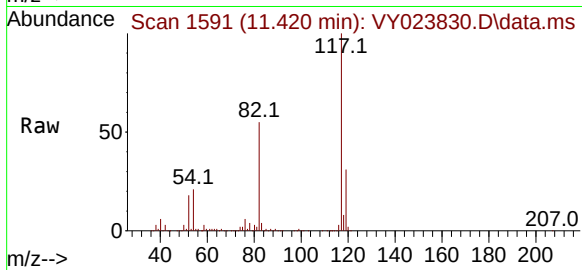




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

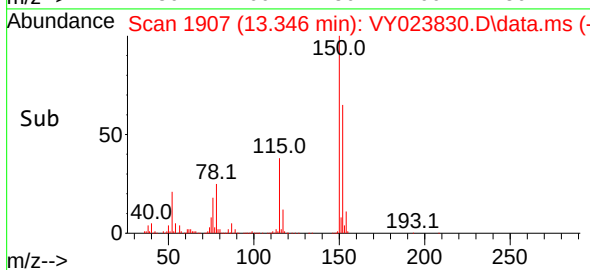
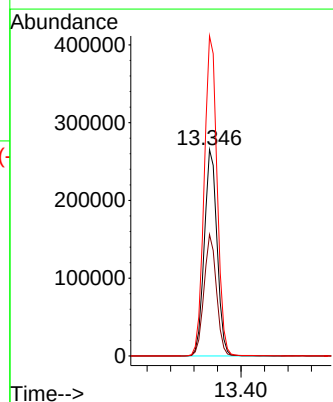
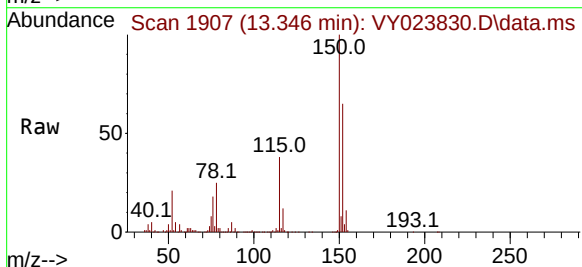
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

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



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

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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%

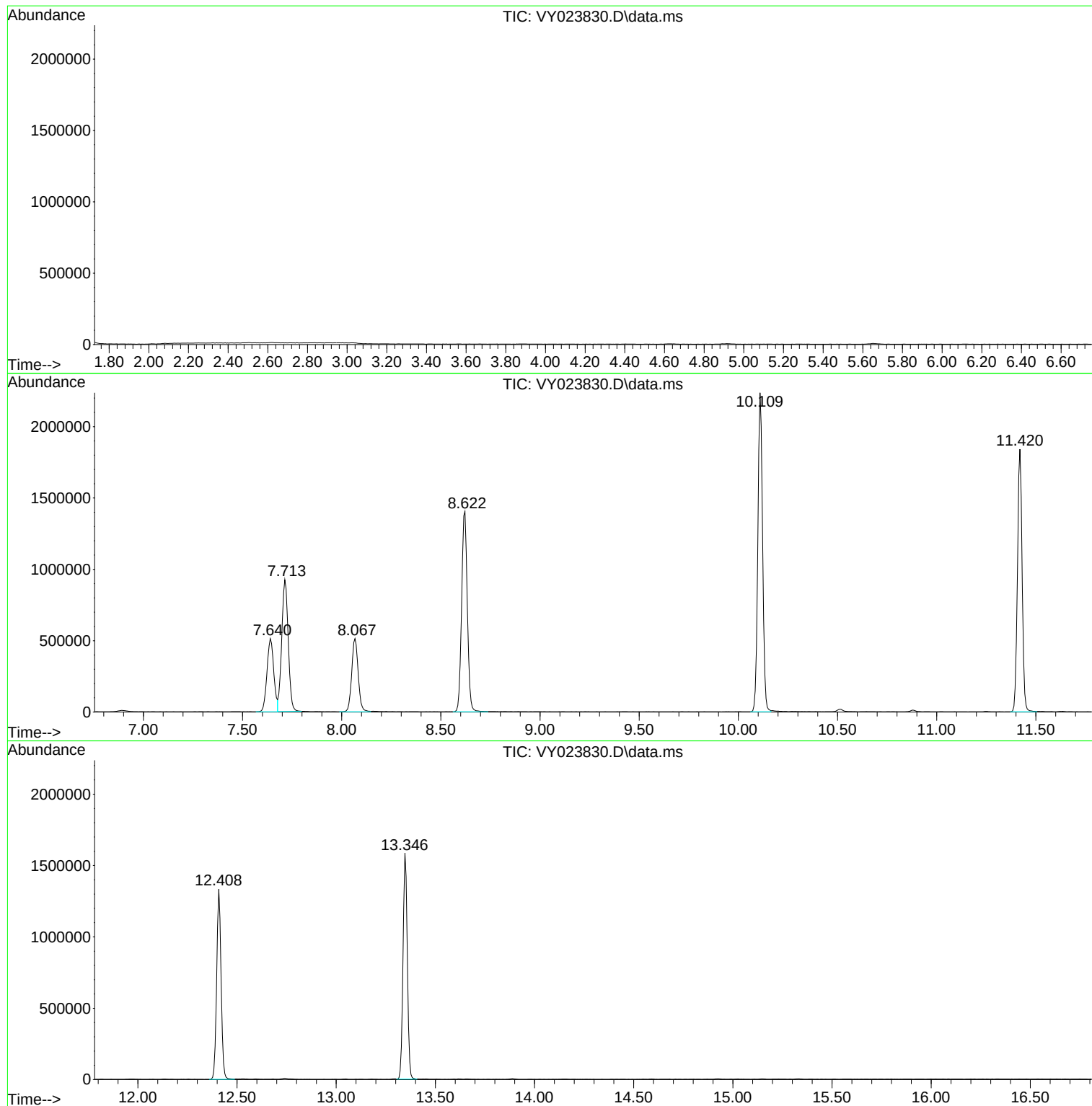
Sum of corrected areas: 18409236

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



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\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: VW1125SBS01
 Lab Sample ID: VW1125SBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.6		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
74-87-3	Chloromethane	22.3		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
75-01-4	Vinyl Chloride	22.9		1	0.79	5.00	ug/Kg	11/25/25 10:25	VW112525
74-83-9	Bromomethane	21.8		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
75-00-3	Chloroethane	21.9		1	1.30	5.00	ug/Kg	11/25/25 10:25	VW112525
75-69-4	Trichlorofluoromethane	19.0		1	1.20	5.00	ug/Kg	11/25/25 10:25	VW112525
76-13-1	1,1,2-Trichlorotrifluoroethane	23.4		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
75-35-4	1,1-Dichloroethene	22.9		1	1.00	5.00	ug/Kg	11/25/25 10:25	VW112525
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/25/25 10:25	VW112525
75-15-0	Carbon Disulfide	21.2		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
1634-04-4	Methyl tert-butyl Ether	20.6		1	0.73	5.00	ug/Kg	11/25/25 10:25	VW112525
79-20-9	Methyl Acetate	21.8		1	1.50	5.00	ug/Kg	11/25/25 10:25	VW112525
75-09-2	Methylene Chloride	23.9		1	3.50	10.0	ug/Kg	11/25/25 10:25	VW112525
156-60-5	trans-1,2-Dichloroethene	22.1		1	0.86	5.00	ug/Kg	11/25/25 10:25	VW112525
75-34-3	1,1-Dichloroethane	23.4		1	0.80	5.00	ug/Kg	11/25/25 10:25	VW112525
110-82-7	Cyclohexane	22.1		1	0.79	5.00	ug/Kg	11/25/25 10:25	VW112525
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	11/25/25 10:25	VW112525
56-23-5	Carbon Tetrachloride	23.9		1	0.97	5.00	ug/Kg	11/25/25 10:25	VW112525
156-59-2	cis-1,2-Dichloroethene	22.2		1	0.75	5.00	ug/Kg	11/25/25 10:25	VW112525
74-97-5	Bromochloromethane	22.5		1	1.20	5.00	ug/Kg	11/25/25 10:25	VW112525
67-66-3	Chloroform	23.4		1	0.84	5.00	ug/Kg	11/25/25 10:25	VW112525
71-55-6	1,1,1-Trichloroethane	22.9		1	0.93	5.00	ug/Kg	11/25/25 10:25	VW112525
108-87-2	Methylcyclohexane	22.4		1	0.91	5.00	ug/Kg	11/25/25 10:25	VW112525
71-43-2	Benzene	23.6		1	0.79	5.00	ug/Kg	11/25/25 10:25	VW112525
107-06-2	1,2-Dichloroethane	24.1		1	0.79	5.00	ug/Kg	11/25/25 10:25	VW112525
79-01-6	Trichloroethene	22.5		1	0.81	5.00	ug/Kg	11/25/25 10:25	VW112525
78-87-5	1,2-Dichloropropane	24.4		1	0.91	5.00	ug/Kg	11/25/25 10:25	VW112525
75-27-4	Bromodichloromethane	23.6		1	0.78	5.00	ug/Kg	11/25/25 10:25	VW112525
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/25/25 10:25	VW112525
108-88-3	Toluene	23.9		1	0.78	5.00	ug/Kg	11/25/25 10:25	VW112525
10061-02-6	t-1,3-Dichloropropene	21.7		1	0.65	5.00	ug/Kg	11/25/25 10:25	VW112525
10061-01-5	cis-1,3-Dichloropropene	22.4		1	0.62	5.00	ug/Kg	11/25/25 10:25	VW112525
79-00-5	1,1,2-Trichloroethane	23.1		1	0.92	5.00	ug/Kg	11/25/25 10:25	VW112525
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/25/25 10:25	VW112525
124-48-1	Dibromochloromethane	22.4		1	0.87	5.00	ug/Kg	11/25/25 10:25	VW112525
106-93-4	1,2-Dibromoethane	23.2		1	0.88	5.00	ug/Kg	11/25/25 10:25	VW112525
127-18-4	Tetrachloroethene	22.9		1	1.10	5.00	ug/Kg	11/25/25 10:25	VW112525
108-90-7	Chlorobenzene	22.7		1	0.91	5.00	ug/Kg	11/25/25 10:25	VW112525
100-41-4	Ethyl Benzene	22.1		1	0.67	5.00	ug/Kg	11/25/25 10:25	VW112525
179601-23-1	m/p-Xylenes	46.4		1	1.20	10.0	ug/Kg	11/25/25 10:25	VW112525
95-47-6	o-Xylene	21.5		1	0.82	5.00	ug/Kg	11/25/25 10:25	VW112525
100-42-5	Styrene	22.4		1	0.71	5.00	ug/Kg	11/25/25 10:25	VW112525
75-25-2	Bromoform	21.0		1	0.86	5.00	ug/Kg	11/25/25 10:25	VW112525

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	VW1125SBS01	SDG No.:	Q3719
Lab Sample ID:	VW1125SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.4		1	0.78	5.00	ug/Kg	11/25/25 10:25	VW112525
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1	1.20	5.00	ug/Kg	11/25/25 10:25	VW112525
541-73-1	1,3-Dichlorobenzene	22.2		1	1.70	5.00	ug/Kg	11/25/25 10:25	VW112525
106-46-7	1,4-Dichlorobenzene	21.3		1	1.60	5.00	ug/Kg	11/25/25 10:25	VW112525
95-50-1	1,2-Dichlorobenzene	20.8		1	1.50	5.00	ug/Kg	11/25/25 10:25	VW112525
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	11/25/25 10:25	VW112525
120-82-1	1,2,4-Trichlorobenzene	19.0		1	3.00	5.00	ug/Kg	11/25/25 10:25	VW112525
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	5.00	ug/Kg	11/25/25 10:25	VW112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.9			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.2			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	54.1			74 - 123	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.4			52 - 138	109%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	348000							
540-36-3	1,4-Difluorobenzene	621000							
3114-55-4	Chlorobenzene-d5	580000							
3855-82-1	1,4-Dichlorobenzene-d4	287000							

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_W\Data\VW112525\
 Data File : VW032531.D
 Acq On : 25 Nov 2025 10:25
 Operator : SY/MD
 Sample : VW1125SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1125SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:38:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	347685	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	620529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	580431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	286931	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	237125	52.900	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 105.800%	
35) Dibromofluoromethane	7.898	113	205163	55.222	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 110.440%	
50) Toluene-d8	10.325	98	770576	54.064	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 108.120%	
62) 4-Bromofluorobenzene	12.617	95	293134	54.443	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 108.880%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.040	85	39898	22.618	ug/l	96
3) Chloromethane	2.253	50	67311	22.262	ug/l	96
4) Vinyl Chloride	2.405	62	87252	22.865	ug/l	96
5) Bromomethane	2.820	94	55692	21.818	ug/l	92
6) Chloroethane	2.966	64	54763	21.935	ug/l	94
7) Trichlorofluoromethane	3.302	101	56954	19.036	ug/l	92
8) Diethyl Ether	3.716	74	52272	21.370	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	76144	23.364	ug/l	99
10) Methyl Iodide	4.308	142	112843	21.497	ug/l	99
11) Tert butyl alcohol	5.216	59	42288	109.102	ug/l	99
12) 1,1-Dichloroethene	4.070	96	85566	22.896	ug/l	99
13) Acrolein	3.924	56	47274	72.694	ug/l	99
14) Allyl chloride	4.698	41	153442	21.351	ug/l	98
15) Acrylonitrile	5.399	53	150875	106.679	ug/l	98
16) Acetone	4.161	43	143130	106.730	ug/l	94
17) Carbon Disulfide	4.417	76	234023	21.187	ug/l	99
18) Methyl Acetate	4.704	43	72467	21.822	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	162652	20.647	ug/l	99
20) Methylene Chloride	4.954	84	114587	23.893	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	94479	22.110	ug/l	97
22) Diisopropyl ether	6.338	45	325252	22.228	ug/l	99
23) Vinyl Acetate	6.283	43	1054157	105.152	ug/l	99
24) 1,1-Dichloroethane	6.240	63	187251	23.357	ug/l	99
25) 2-Butanone	7.191	43	202477	102.483	ug/l	99
26) 2,2-Dichloropropane	7.185	77	97889	21.910	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	113210	22.172	ug/l	97
28) Bromochloromethane	7.527	49	85215	22.490	ug/l	98
29) Tetrahydrofuran	7.551	42	131058	104.513	ug/l	98
30) Chloroform	7.691	83	183447	23.375	ug/l	96
31) Cyclohexane	7.965	56	163677	22.072	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	128309	22.886	ug/l	96
36) 1,1-Dichloropropene	8.093	75	130688	23.874	ug/l	99
37) Ethyl Acetate	7.270	43	87985	21.615	ug/l	99
38) Carbon Tetrachloride	8.081	117	116121	23.874	ug/l	94
39) Methylcyclohexane	9.337	83	158627	22.369	ug/l	94
40) Benzene	8.331	78	416285	23.614	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032531.D
 Acq On : 25 Nov 2025 10:25
 Operator : SY/MD
 Sample : VW1125SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1125SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:38:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	43503	19.455	ug/l #	93
42) 1,2-Dichloroethane	8.411	62	124704	24.083	ug/l	100
43) Isopropyl Acetate	8.435	43	154380	21.419	ug/l	99
44) Trichloroethene	9.099	130	92177	22.471	ug/l	97
45) 1,2-Dichloropropane	9.374	63	107119	24.403	ug/l	99
46) Dibromomethane	9.465	93	61337	23.912	ug/l	99
47) Bromodichloromethane	9.648	83	137861	23.561	ug/l	97
48) Methyl methacrylate	9.441	41	67352	19.665	ug/l	91
49) 1,4-Dioxane	9.453	88	15792	439.477	ug/l #	91
51) 4-Methyl-2-Pentanone	10.209	43	446803	112.135	ug/l	99
52) Toluene	10.386	92	260293	23.905	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	131011	21.741	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	155920	22.374	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	81293	23.102	ug/l	96
56) Ethyl methacrylate	10.648	69	112961	20.922	ug/l	99
57) 1,3-Dichloropropane	10.934	76	143537	22.839	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.929	63	316839	110.193	ug/l	99
59) 2-Hexanone	10.971	43	310966	106.670	ug/l	97
60) Dibromochloromethane	11.130	129	88212	22.448	ug/l	99
61) 1,2-Dibromoethane	11.233	107	79674	23.247	ug/l	96
64) Tetrachloroethene	10.861	164	78690	22.894	ug/l	91
65) Chlorobenzene	11.654	112	284000	22.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	88583	22.879	ug/l	98
67) Ethyl Benzene	11.727	91	477431	22.056	ug/l	97
68) m/p-Xylenes	11.837	106	376775	46.359	ug/l	98
69) o-Xylene	12.166	106	167315	21.500	ug/l	100
70) Styrene	12.178	104	299433	22.368	ug/l	99
71) Bromoform	12.349	173	48214	21.024	ug/l	98
73) Isopropylbenzene	12.465	105	428938	20.355	ug/l	99
74) N-amyl acetate	12.270	43	138885	18.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	106141	21.223	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	88437m	22.479	ug/l	
77) Bromobenzene	12.745	156	105632	21.171	ug/l	99
78) n-propylbenzene	12.800	91	544225	21.206	ug/l	99
79) 2-Chlorotoluene	12.885	91	326725	20.855	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	369138	21.233	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	31438	18.302	ug/l	91
82) 4-Chlorotoluene	12.983	91	351895	21.596	ug/l	99
83) tert-Butylbenzene	13.202	119	317458	20.991	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	384298	21.733	ug/l	99
85) sec-Butylbenzene	13.379	105	471145	20.918	ug/l	99
86) p-Isopropyltoluene	13.489	119	381166	20.496	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	209682	22.166	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	206013	21.257	ug/l	97
89) n-Butylbenzene	13.818	91	381348	20.989	ug/l	99
90) Hexachloroethane	14.086	117	71554	21.340	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	180740	20.813	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	15857	18.405	ug/l	93
93) 1,2,4-Trichlorobenzene	15.129	180	105182	19.033	ug/l	91
94) Hexachlorobutadiene	15.226	225	49955	21.762	ug/l	97
95) Naphthalene	15.360	128	245131	17.788	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	98535	19.640	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032531.D
Acq On : 25 Nov 2025 10:25
Operator : SY/MD
Sample : VW1125SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:38:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

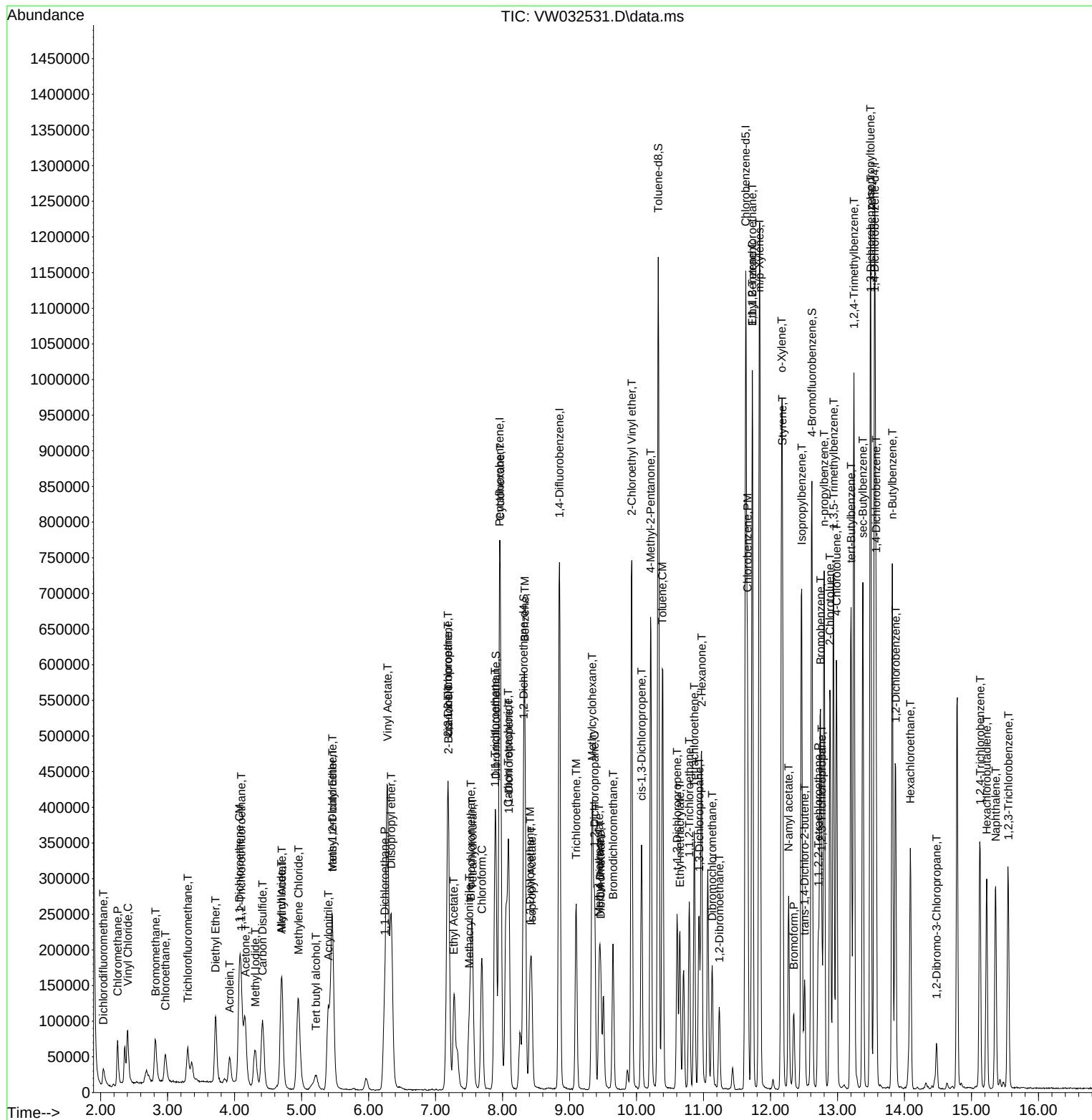
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032531.D
Acq On : 25 Nov 2025 10:25
Operator : SY/MD
Sample : VW11255BS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBS01

Manual Integrations

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:38:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: VW1126SBS01
 Lab Sample ID: VW1126SBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	23.9		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
74-87-3	Chloromethane	24.3		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
75-01-4	Vinyl Chloride	23.7		1	0.79	5.00	ug/Kg	11/26/25 13:05	VW112625
74-83-9	Bromomethane	24.4		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
75-00-3	Chloroethane	23.2		1	1.30	5.00	ug/Kg	11/26/25 13:05	VW112625
75-69-4	Trichlorofluoromethane	20.3		1	1.20	5.00	ug/Kg	11/26/25 13:05	VW112625
76-13-1	1,1,2-Trichlorotrifluoroethane	24.9		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
75-35-4	1,1-Dichloroethene	23.2		1	1.00	5.00	ug/Kg	11/26/25 13:05	VW112625
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	11/26/25 13:05	VW112625
75-15-0	Carbon Disulfide	21.7		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
1634-04-4	Methyl tert-butyl Ether	21.6		1	0.73	5.00	ug/Kg	11/26/25 13:05	VW112625
79-20-9	Methyl Acetate	24.6		1	1.50	5.00	ug/Kg	11/26/25 13:05	VW112625
75-09-2	Methylene Chloride	25.3		1	3.50	10.0	ug/Kg	11/26/25 13:05	VW112625
156-60-5	trans-1,2-Dichloroethene	22.3		1	0.86	5.00	ug/Kg	11/26/25 13:05	VW112625
75-34-3	1,1-Dichloroethane	24.0		1	0.80	5.00	ug/Kg	11/26/25 13:05	VW112625
110-82-7	Cyclohexane	22.0		1	0.79	5.00	ug/Kg	11/26/25 13:05	VW112625
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	11/26/25 13:05	VW112625
56-23-5	Carbon Tetrachloride	24.0		1	0.97	5.00	ug/Kg	11/26/25 13:05	VW112625
156-59-2	cis-1,2-Dichloroethene	22.4		1	0.75	5.00	ug/Kg	11/26/25 13:05	VW112625
74-97-5	Bromochloromethane	24.3		1	1.20	5.00	ug/Kg	11/26/25 13:05	VW112625
67-66-3	Chloroform	24.8		1	0.84	5.00	ug/Kg	11/26/25 13:05	VW112625
71-55-6	1,1,1-Trichloroethane	24.2		1	0.93	5.00	ug/Kg	11/26/25 13:05	VW112625
108-87-2	Methylcyclohexane	21.0		1	0.91	5.00	ug/Kg	11/26/25 13:05	VW112625
71-43-2	Benzene	23.1		1	0.79	5.00	ug/Kg	11/26/25 13:05	VW112625
107-06-2	1,2-Dichloroethane	25.2		1	0.79	5.00	ug/Kg	11/26/25 13:05	VW112625
79-01-6	Trichloroethene	20.8		1	0.81	5.00	ug/Kg	11/26/25 13:05	VW112625
78-87-5	1,2-Dichloropropane	23.5		1	0.91	5.00	ug/Kg	11/26/25 13:05	VW112625
75-27-4	Bromodichloromethane	23.7		1	0.78	5.00	ug/Kg	11/26/25 13:05	VW112625
108-10-1	4-Methyl-2-Pentanone	120		1	3.60	25.0	ug/Kg	11/26/25 13:05	VW112625
108-88-3	Toluene	23.1		1	0.78	5.00	ug/Kg	11/26/25 13:05	VW112625
10061-02-6	t-1,3-Dichloropropene	21.7		1	0.65	5.00	ug/Kg	11/26/25 13:05	VW112625
10061-01-5	cis-1,3-Dichloropropene	22.0		1	0.62	5.00	ug/Kg	11/26/25 13:05	VW112625
79-00-5	1,1,2-Trichloroethane	23.6		1	0.92	5.00	ug/Kg	11/26/25 13:05	VW112625
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/26/25 13:05	VW112625
124-48-1	Dibromochloromethane	23.2		1	0.87	5.00	ug/Kg	11/26/25 13:05	VW112625
106-93-4	1,2-Dibromoethane	22.7		1	0.88	5.00	ug/Kg	11/26/25 13:05	VW112625
127-18-4	Tetrachloroethene	22.3		1	1.10	5.00	ug/Kg	11/26/25 13:05	VW112625
108-90-7	Chlorobenzene	21.8		1	0.91	5.00	ug/Kg	11/26/25 13:05	VW112625
100-41-4	Ethyl Benzene	21.4		1	0.67	5.00	ug/Kg	11/26/25 13:05	VW112625
179601-23-1	m/p-Xylenes	44.0		1	1.20	10.0	ug/Kg	11/26/25 13:05	VW112625
95-47-6	o-Xylene	20.8		1	0.82	5.00	ug/Kg	11/26/25 13:05	VW112625
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	11/26/25 13:05	VW112625
75-25-2	Bromoform	20.6		1	0.86	5.00	ug/Kg	11/26/25 13:05	VW112625



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	VW1126SBS01	SDG No.:	Q3719
Lab Sample ID:	VW1126SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.1		1	0.78	5.00	ug/Kg	11/26/25 13:05	VW112625
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1	1.20	5.00	ug/Kg	11/26/25 13:05	VW112625
541-73-1	1,3-Dichlorobenzene	22.1		1	1.70	5.00	ug/Kg	11/26/25 13:05	VW112625
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	11/26/25 13:05	VW112625
95-50-1	1,2-Dichlorobenzene	21.1		1	1.50	5.00	ug/Kg	11/26/25 13:05	VW112625
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1	1.80	5.00	ug/Kg	11/26/25 13:05	VW112625
120-82-1	1,2,4-Trichlorobenzene	19.1		1	3.00	5.00	ug/Kg	11/26/25 13:05	VW112625
87-61-6	1,2,3-Trichlorobenzene	19.7		1	3.20	5.00	ug/Kg	11/26/25 13:05	VW112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.6			63 - 155	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.4			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	51.9			74 - 123	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.4			52 - 138	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	338000							
540-36-3	1,4-Difluorobenzene	629000							
3114-55-4	Chlorobenzene-d5	579000							
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_W\Data\VW112625\
 Data File : VW032538.D
 Acq On : 26 Nov 2025 13:05
 Operator : SY/MD
 Sample : VW1126SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:26:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	337562	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	629179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	578751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	250756	57.619	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 115.240%			
35) Dibromofluoromethane	7.898	113	197338	52.385	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.780%			
50) Toluene-d8	10.325	98	749931	51.892	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.617	95	280681	51.414	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	40884	23.872	ug/l	90
3) Chloromethane	2.253	50	71270	24.278	ug/l	99
4) Vinyl Chloride	2.399	62	87624	23.651	ug/l	97
5) Bromomethane	2.814	94	60416	24.378	ug/l	100
6) Chloroethane	2.960	64	56305	23.229	ug/l	91
7) Trichlorofluoromethane	3.295	101	58995	20.310	ug/l	96
8) Diethyl Ether	3.716	74	57175	24.075	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	78641	24.853	ug/l	98
10) Methyl Iodide	4.314	142	107964	21.185	ug/l	96
11) Tert butyl alcohol	5.222	59	44464	118.156	ug/l	97
12) 1,1-Dichloroethene	4.076	96	84340	23.245	ug/l	94
13) Acrolein	3.929	56	50172	79.463	ug/l	98
14) Allyl chloride	4.698	41	156916	22.489	ug/l	95
15) Acrylonitrile	5.399	53	158055	115.107	ug/l	99
16) Acetone	4.161	43	172518	132.502	ug/l	95
17) Carbon Disulfide	4.417	76	232572	21.687	ug/l	99
18) Methyl Acetate	4.704	43	79374	24.618	ug/l	95
19) Methyl tert-butyl Ether	5.460	73	165056	21.581	ug/l	99
20) Methylene Chloride	4.954	84	117647	25.266	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	92366	22.264	ug/l	99
22) Diisopropyl ether	6.338	45	332486	23.404	ug/l	99
23) Vinyl Acetate	6.283	43	1099752	112.990	ug/l	97
24) 1,1-Dichloroethane	6.240	63	186701	23.987	ug/l	98
25) 2-Butanone	7.191	43	228547	119.148	ug/l	99
26) 2,2-Dichloropropane	7.185	77	100778	23.233	ug/l	95
27) cis-1,2-Dichloroethene	7.185	96	111212	22.434	ug/l	96
28) Bromochloromethane	7.526	49	89514	24.333	ug/l	94
29) Tetrahydrofuran	7.551	42	136283	111.938	ug/l	98
30) Chloroform	7.691	83	188879	24.789	ug/l	98
31) Cyclohexane	7.971	56	158345	21.993	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	131738	24.202	ug/l	96
36) 1,1-Dichloropropene	8.093	75	131322	23.660	ug/l	99
37) Ethyl Acetate	7.270	43	93514	22.658	ug/l	96
38) Carbon Tetrachloride	8.081	117	118484	24.025	ug/l	93
39) Methylcyclohexane	9.343	83	150748	20.965	ug/l	94
40) Benzene	8.337	78	413141	23.114	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032538.D
 Acq On : 26 Nov 2025 13:05
 Operator : SY/MD
 Sample : VW1126SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:26:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	51285	22.620	ug/l	96
42) 1,2-Dichloroethane	8.410	62	132398	25.218	ug/l	97
43) Isopropyl Acetate	8.435	43	160403	21.949	ug/l	99
44) Trichloroethene	9.099	130	86516	20.801	ug/l	95
45) 1,2-Dichloropropane	9.374	63	104425	23.463	ug/l	99
46) Dibromomethane	9.465	93	59857	23.015	ug/l	98
47) Bromodichloromethane	9.648	83	140506	23.683	ug/l	98
48) Methyl methacrylate	9.441	41	73039	21.032	ug/l #	91
49) 1,4-Dioxane	9.459	88	15702	430.965	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	474461	117.439	ug/l	97
52) Toluene	10.392	92	254781	23.077	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	132372	21.665	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	155326	21.983	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	84254	23.614	ug/l	93
56) Ethyl methacrylate	10.648	69	110864	20.251	ug/l	93
57) 1,3-Dichloropropane	10.928	76	144519	22.679	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	326058	111.840	ug/l	97
59) 2-Hexanone	10.971	43	339797	114.957	ug/l	95
60) Dibromochloromethane	11.129	129	92399	23.190	ug/l	98
61) 1,2-Dibromoethane	11.233	107	79012	22.737	ug/l	96
64) Tetrachloroethene	10.861	164	76551	22.336	ug/l	93
65) Chlorobenzene	11.654	112	271839	21.792	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	85454	22.135	ug/l	98
67) Ethyl Benzene	11.733	91	461801	21.396	ug/l	99
68) m/p-Xylenes	11.837	106	356177	43.951	ug/l	98
69) o-Xylene	12.166	106	161395	20.800	ug/l	96
70) Styrene	12.178	104	291593	21.845	ug/l	98
71) Bromoform	12.349	173	47143	20.617	ug/l	98
73) Isopropylbenzene	12.458	105	421872	20.104	ug/l	98
74) N-amyl acetate	12.269	43	146466	20.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	106828	21.451	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	78337m	19.996	ug/l	
77) Bromobenzene	12.739	156	99017	19.929	ug/l	89
78) n-propylbenzene	12.800	91	554412	21.695	ug/l	98
79) 2-Chlorotoluene	12.885	91	325618	20.873	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	358716	20.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	33802	19.762	ug/l	89
82) 4-Chlorotoluene	12.983	91	352752	21.740	ug/l	99
83) tert-Butylbenzene	13.202	119	291467	19.354	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	370238	21.026	ug/l	97
85) sec-Butylbenzene	13.379	105	458187	20.429	ug/l	98
86) p-Isopropyltoluene	13.495	119	365551	19.740	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	208260	22.108	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	198764	20.596	ug/l	94
89) n-Butylbenzene	13.818	91	377459	20.863	ug/l	97
90) Hexachloroethane	14.086	117	68581	20.540	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	182729	21.131	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17369	20.245	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	105044	19.089	ug/l	95
94) Hexachlorobutadiene	15.226	225	48778	21.339	ug/l	93
95) Naphthalene	15.360	128	247278	18.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	98437	19.703	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032538.D
Acq On : 26 Nov 2025 13:05
Operator : SY/MD
Sample : VW1126SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBS01

Manual Integrations
APPROVED

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

Quant Time: Nov 27 00:26:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

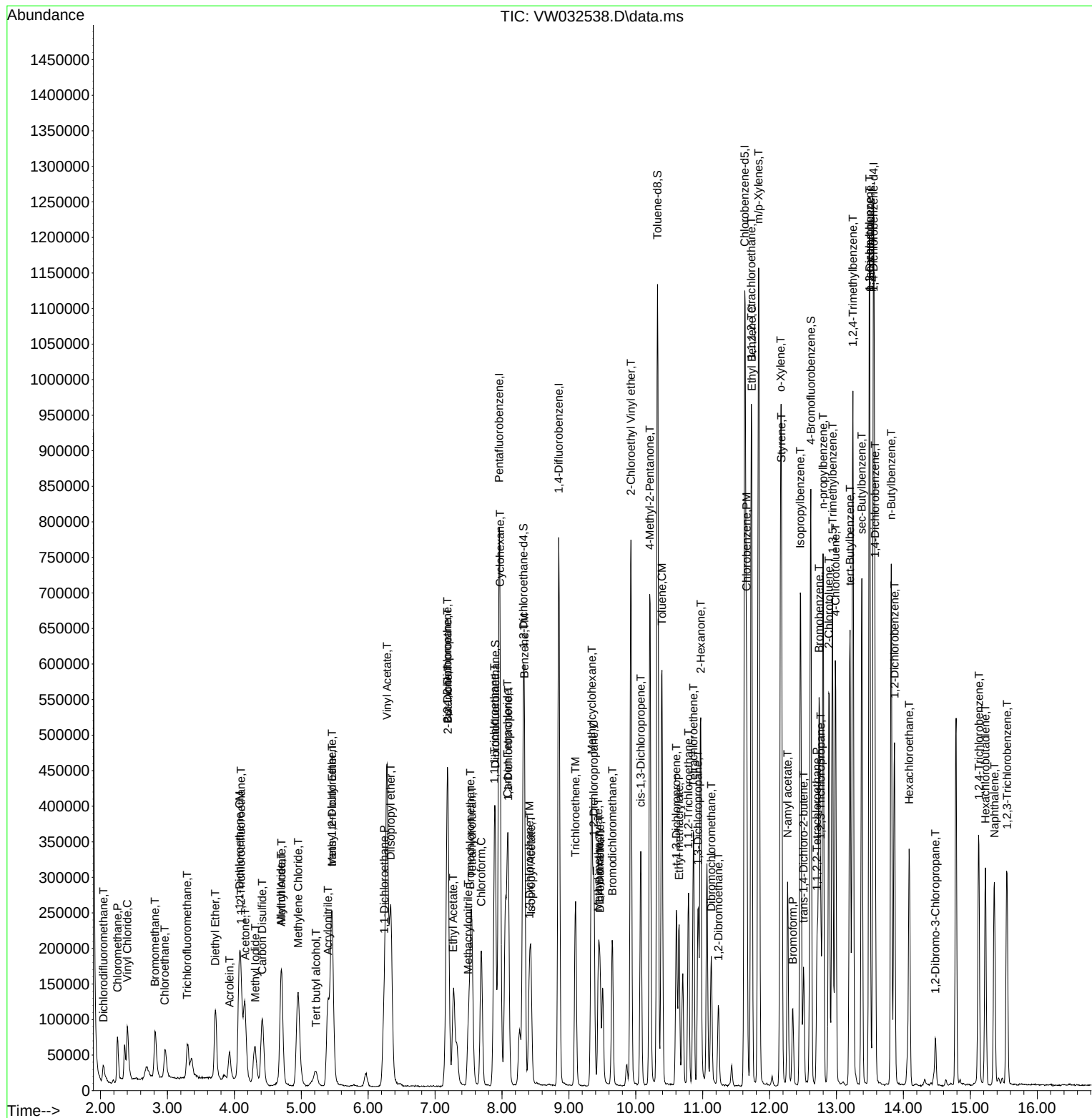
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
Data File : VW032538.D
Acq On : 26 Nov 2025 13:05
Operator : SY/MD
Sample : VW11265BS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1126SBS01

Manual Integrations

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

Quant Time: Nov 27 00:26:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



Report of Analysis

Client: Remington & Vernick
Project: Saddler Property
Client Sample ID: VY1201SBS01
Lab Sample ID: VY1201SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3719
Matrix: SOIL
% Solid: 100
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



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

Report of Analysis

Client: Remington & Vernick

Project: Saddler Property

Client Sample ID: VY1201SBS01

Lab Sample ID: VY1201SBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3719

Matrix: SOIL

% Solid: 100

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

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)

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

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)
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

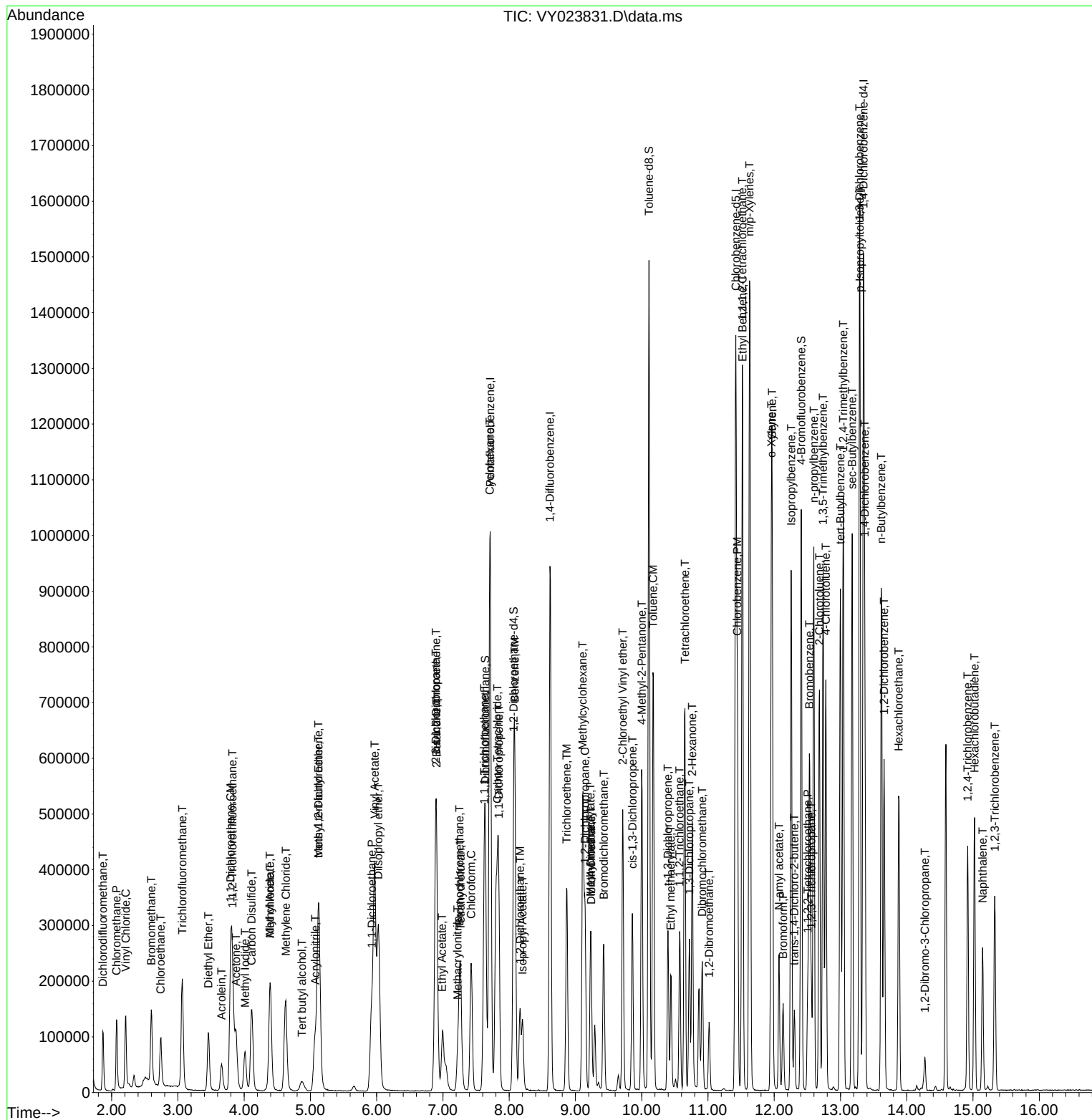
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023831.D
Acq On : 01 Dec 2025 09:37
Operator : SY/MD
Sample : VY12015BS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBS01

Manual Integrations

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



Report of Analysis

Client: Remington & Vernick
 Project: Saddler Property
 Client Sample ID: VW1125SBS01
 Lab Sample ID: VW1125SBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3719
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.5		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
74-87-3	Chloromethane	21.7		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
75-01-4	Vinyl Chloride	22.0		1	0.79	5.00	ug/Kg	11/25/25 10:46	VW112525
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
75-00-3	Chloroethane	22.7		1	1.30	5.00	ug/Kg	11/25/25 10:46	VW112525
75-69-4	Trichlorofluoromethane	21.0		1	1.20	5.00	ug/Kg	11/25/25 10:46	VW112525
76-13-1	1,1,2-Trichlorotrifluoroethane	22.8		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
75-35-4	1,1-Dichloroethene	22.0		1	1.00	5.00	ug/Kg	11/25/25 10:46	VW112525
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/25/25 10:46	VW112525
75-15-0	Carbon Disulfide	21.0		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	11/25/25 10:46	VW112525
79-20-9	Methyl Acetate	22.7		1	1.50	5.00	ug/Kg	11/25/25 10:46	VW112525
75-09-2	Methylene Chloride	22.0		1	3.50	10.0	ug/Kg	11/25/25 10:46	VW112525
156-60-5	trans-1,2-Dichloroethene	21.6		1	0.86	5.00	ug/Kg	11/25/25 10:46	VW112525
75-34-3	1,1-Dichloroethane	22.6		1	0.80	5.00	ug/Kg	11/25/25 10:46	VW112525
110-82-7	Cyclohexane	21.6		1	0.79	5.00	ug/Kg	11/25/25 10:46	VW112525
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/25/25 10:46	VW112525
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	11/25/25 10:46	VW112525
156-59-2	cis-1,2-Dichloroethene	22.1		1	0.75	5.00	ug/Kg	11/25/25 10:46	VW112525
74-97-5	Bromochloromethane	22.7		1	1.20	5.00	ug/Kg	11/25/25 10:46	VW112525
67-66-3	Chloroform	23.6		1	0.84	5.00	ug/Kg	11/25/25 10:46	VW112525
71-55-6	1,1,1-Trichloroethane	22.8		1	0.93	5.00	ug/Kg	11/25/25 10:46	VW112525
108-87-2	Methylcyclohexane	20.3		1	0.91	5.00	ug/Kg	11/25/25 10:46	VW112525
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	11/25/25 10:46	VW112525
107-06-2	1,2-Dichloroethane	22.6		1	0.79	5.00	ug/Kg	11/25/25 10:46	VW112525
79-01-6	Trichloroethene	21.3		1	0.81	5.00	ug/Kg	11/25/25 10:46	VW112525
78-87-5	1,2-Dichloropropane	22.7		1	0.91	5.00	ug/Kg	11/25/25 10:46	VW112525
75-27-4	Bromodichloromethane	22.1		1	0.78	5.00	ug/Kg	11/25/25 10:46	VW112525
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/25/25 10:46	VW112525
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	11/25/25 10:46	VW112525
10061-02-6	t-1,3-Dichloropropene	21.0		1	0.65	5.00	ug/Kg	11/25/25 10:46	VW112525
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.62	5.00	ug/Kg	11/25/25 10:46	VW112525
79-00-5	1,1,2-Trichloroethane	22.1		1	0.92	5.00	ug/Kg	11/25/25 10:46	VW112525
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/25/25 10:46	VW112525
124-48-1	Dibromochloromethane	21.3		1	0.87	5.00	ug/Kg	11/25/25 10:46	VW112525
106-93-4	1,2-Dibromoethane	21.8		1	0.88	5.00	ug/Kg	11/25/25 10:46	VW112525
127-18-4	Tetrachloroethene	21.3		1	1.10	5.00	ug/Kg	11/25/25 10:46	VW112525
108-90-7	Chlorobenzene	20.6		1	0.91	5.00	ug/Kg	11/25/25 10:46	VW112525
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	11/25/25 10:46	VW112525
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	11/25/25 10:46	VW112525
95-47-6	o-Xylene	20.1		1	0.82	5.00	ug/Kg	11/25/25 10:46	VW112525
100-42-5	Styrene	21.5		1	0.71	5.00	ug/Kg	11/25/25 10:46	VW112525
75-25-2	Bromoform	19.6		1	0.86	5.00	ug/Kg	11/25/25 10:46	VW112525



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

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	VW1125SBSD01	SDG No.:	Q3719
Lab Sample ID:	VW1125SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.0		1	0.78	5.00	ug/Kg	11/25/25 10:46	VW112525
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	11/25/25 10:46	VW112525
541-73-1	1,3-Dichlorobenzene	22.0		1	1.70	5.00	ug/Kg	11/25/25 10:46	VW112525
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	5.00	ug/Kg	11/25/25 10:46	VW112525
95-50-1	1,2-Dichlorobenzene	21.0		1	1.50	5.00	ug/Kg	11/25/25 10:46	VW112525
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1	1.80	5.00	ug/Kg	11/25/25 10:46	VW112525
120-82-1	1,2,4-Trichlorobenzene	21.0		1	3.00	5.00	ug/Kg	11/25/25 10:46	VW112525
87-61-6	1,2,3-Trichlorobenzene	21.7		1	3.20	5.00	ug/Kg	11/25/25 10:46	VW112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.3			63 - 155	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.7			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	49.7			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			52 - 138	102%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	373000							
540-36-3	1,4-Difluorobenzene	705000							
3114-55-4	Chlorobenzene-d5	658000							
3855-82-1	1,4-Dichlorobenzene-d4	307000							

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_W\Data\VW112525\
 Data File : VW032532.D
 Acq On : 25 Nov 2025 10:46
 Operator : SY/MD
 Sample : VW1125SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1125SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:39:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	373267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	705017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	657789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	307491	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	256553	53.312	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.620%	
35) Dibromofluoromethane	7.898	113	218394	51.739	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 103.480%	
50) Toluene-d8	10.325	98	805422	49.737	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.617	95	312420	51.072	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 102.140%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.052	85	40713	21.498	ug/l	95
3) Chloromethane	2.259	50	70474	21.710	ug/l	94
4) Vinyl Chloride	2.411	62	89995	21.967	ug/l	100
5) Bromomethane	2.820	94	59601	21.749	ug/l	99
6) Chloroethane	2.966	64	60710	22.650	ug/l	93
7) Trichlorofluoromethane	3.301	101	67555	21.032	ug/l	97
8) Diethyl Ether	3.722	74	58755	22.374	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	79935	22.846	ug/l	99
10) Methyl Iodide	4.320	142	121023	21.475	ug/l	99
11) Tert butyl alcohol	5.222	59	42520	102.182	ug/l	97
12) 1,1-Dichloroethene	4.082	96	88361	22.024	ug/l	91
13) Acrolein	3.935	56	51651	73.981	ug/l	97
14) Allyl chloride	4.704	41	165502	21.451	ug/l	99
15) Acrylonitrile	5.405	53	167653	110.417	ug/l	100
16) Acetone	4.167	43	161680	112.299	ug/l	94
17) Carbon Disulfide	4.429	76	248583	20.963	ug/l	99
18) Methyl Acetate	4.710	43	81069	22.739	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	180212	21.309	ug/l	98
20) Methylene Chloride	4.954	84	113265	21.998	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	99261	21.637	ug/l	96
22) Diisopropyl ether	6.344	45	349003	22.217	ug/l	98
23) Vinyl Acetate	6.283	43	1169027	108.618	ug/l	96
24) 1,1-Dichloroethane	6.246	63	194079	22.550	ug/l	100
25) 2-Butanone	7.197	43	231257	109.028	ug/l	98
26) 2,2-Dichloropropane	7.191	77	102013	21.268	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	121216	22.113	ug/l	98
28) Bromochloromethane	7.532	49	92137	22.650	ug/l	95
29) Tetrahydrofuran	7.557	42	147199	109.339	ug/l	99
30) Chloroform	7.697	83	199211	23.644	ug/l	97
31) Cyclohexane	7.971	56	171912	21.593	ug/l	94
32) 1,1,1-Trichloroethane	7.892	97	137329	22.816	ug/l	97
36) 1,1-Dichloropropene	8.099	75	136194	21.898	ug/l	98
37) Ethyl Acetate	7.276	43	98323	21.260	ug/l	97
38) Carbon Tetrachloride	8.081	117	121728	22.028	ug/l	99
39) Methylcyclohexane	9.343	83	163946	20.348	ug/l	93
40) Benzene	8.337	78	435640	21.751	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032532.D
 Acq On : 25 Nov 2025 10:46
 Operator : SY/MD
 Sample : VW1125SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1125SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:39:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	54480	21.445	ug/l	98
42) 1,2-Dichloroethane	8.410	62	132910	22.592	ug/l	100
43) Isopropyl Acetate	8.435	43	171577	20.952	ug/l	99
44) Trichloroethene	9.099	130	99233	21.292	ug/l	99
45) 1,2-Dichloropropane	9.373	63	113286	22.716	ug/l	98
46) Dibromomethane	9.465	93	63849	21.909	ug/l	97
47) Bromodichloromethane	9.648	83	147096	22.127	ug/l	99
48) Methyl methacrylate	9.441	41	77115	19.817	ug/l	93
49) 1,4-Dioxane	9.465	88	18291	448.022	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	501964	110.881	ug/l	99
52) Toluene	10.392	92	270933	21.900	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	143580	20.971	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	165278	20.875	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	88247	22.073	ug/l	98
56) Ethyl methacrylate	10.648	69	123482	20.130	ug/l	97
57) 1,3-Dichloropropane	10.934	76	156405	21.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	354429	108.495	ug/l	100
59) 2-Hexanone	10.971	43	355542	107.345	ug/l	98
60) Dibromochloromethane	11.129	129	95055	21.291	ug/l	98
61) 1,2-Dibromoethane	11.239	107	84871	21.796	ug/l	97
64) Tetrachloroethene	10.867	164	82864	21.273	ug/l	81
65) Chlorobenzene	11.654	112	291409	20.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	88133	20.086	ug/l	97
67) Ethyl Benzene	11.727	91	504632	20.571	ug/l	98
68) m/p-Xylenes	11.836	106	388574	42.188	ug/l	99
69) o-Xylene	12.166	106	177422	20.118	ug/l	99
70) Styrene	12.178	104	326371	21.513	ug/l	98
71) Bromoform	12.349	173	50939	19.600	ug/l #	99
73) Isopropylbenzene	12.458	105	451543	19.995	ug/l	100
74) N-amyl acetate	12.269	43	157508	20.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	116729	21.780	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	85420m	20.260	ug/l	
77) Bromobenzene	12.745	156	109933	20.560	ug/l	96
78) n-propylbenzene	12.800	91	574973	20.907	ug/l	99
79) 2-Chlorotoluene	12.891	91	354160	21.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	390427	20.956	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	37025	20.114	ug/l	94
82) 4-Chlorotoluene	12.983	91	366239	20.974	ug/l	99
83) tert-Butylbenzene	13.202	119	331405	20.448	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	392484	20.712	ug/l	98
85) sec-Butylbenzene	13.379	105	484676	20.080	ug/l	100
86) p-Isopropyltoluene	13.495	119	405327	20.338	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	222577	21.956	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	212530	20.463	ug/l	93
89) n-Butylbenzene	13.818	91	416723	21.403	ug/l	97
90) Hexachloroethane	14.086	117	76729	21.354	ug/l	95
91) 1,2-Dichlorobenzene	13.861	146	195164	20.971	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	18770	20.329	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	124161	20.965	ug/l	98
94) Hexachlorobutadiene	15.226	225	53438	21.723	ug/l	94
95) Naphthalene	15.360	128	297089	20.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	116483	21.665	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032532.D
Acq On : 25 Nov 2025 10:46
Operator : SY/MD
Sample : VW1125SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:39:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

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

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

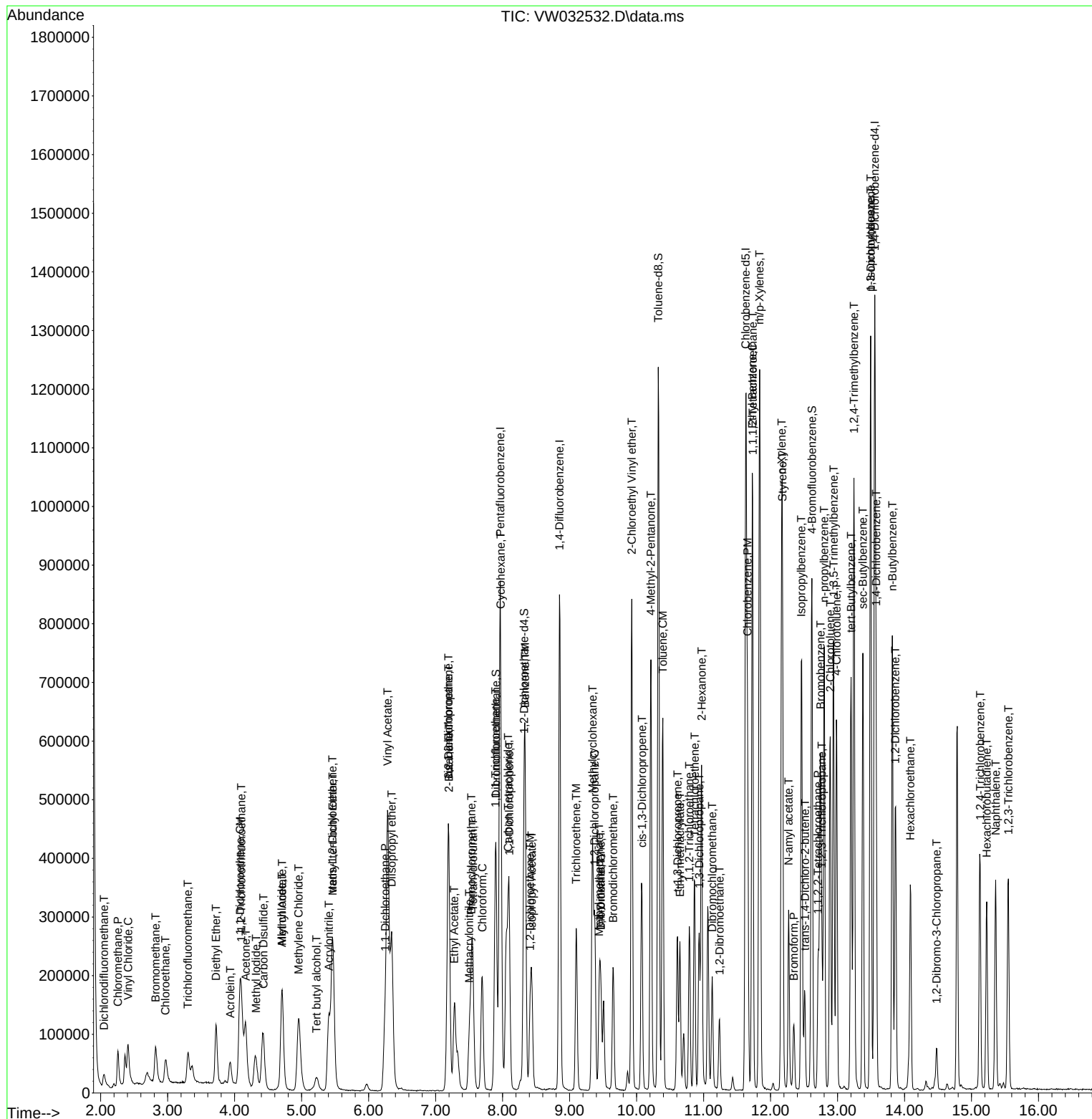
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
Data File : VW032532.D
Acq On    : 25 Nov 2025 10:46
Operator  : SY/MD
Sample    : VW1125SBS01
Misc      : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial  : 6 Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VW1125SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 01:39:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VW111025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032406.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC005	VW032406.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC020	VW032408.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:39 AM	sam	11/11/2025 12:30:15 PM	Peak Integrated by Software
VSTDICCC050	VW032409.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:43 AM	sam	11/11/2025 12:29:38 PM	Peak Integrated by Software
VSTDICC100	VW032410.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:48 AM	sam	11/11/2025 12:30:21 PM	Peak Integrated by Software
VSTDICC150	VW032411.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:52 AM	sam	11/11/2025 12:29:30 PM	Peak Integrated by Software
VSTDICV050	VW032413.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:57 AM	sam	11/11/2025 12:29:34 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW112525

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032529.D	1,2,3-Trichloropropane	amit	11/26/2025 10:20:48 AM	MMDadoda	11/26/2025 12:23:05 PM	Peak Integrated by Software
VW1125SBS01	VW032531.D	1,2,3-Trichloropropane	amit	11/26/2025 10:20:53 AM	MMDadoda	11/26/2025 12:23:08 PM	Peak Integrated by Software
VW1125SBSD0 1	VW032532.D	1,2,3-Trichloropropane	amit	11/26/2025 10:20:56 AM	MMDadoda	11/26/2025 12:23:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VW112625	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032536.D	1,2,3-Trichloropropane	sam	12/1/2025 9:50:35 AM	MMDadoda	12/1/2025 3:30:35 PM	Peak Integrated by Software
VW1126SBS01	VW032538.D	1,2,3-Trichloropropane	sam	12/1/2025 9:50:40 AM	MMDadoda	12/1/2025 3:30:38 PM	Peak Integrated by Software
VSTDCCC050	VW032559.D	1,2,3-Trichloropropane	sam	12/1/2025 9:50:58 AM	MMDadoda	12/1/2025 3:30:53 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY112625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	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
VSTDIC005	VY023809.D	Methacrylonitrile	sam	12/1/2025 9:09:40 AM	MMDadoda	12/2/2025 8:05:29 AM	Peak Integrated by Software
VSTDIC005	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
VSTDIC010	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
VSTDIC020	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
VSTDIC100	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
VSTDIC150	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

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
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

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Maresh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m
STD. NAME	STD REF.#				
Tune/Reschk	VP136122				
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128				
CCC					
Internal Standard/PEM	VP133934				
ICV/I.BLK	VP136129				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032405.D	10 Nov 2025 14:20	SY/MD	Ok
2	VSTDIC005	VW032406.D	10 Nov 2025 15:11	SY/MD	Ok,M
3	VSTDIC010	VW032407.D	10 Nov 2025 15:33	SY/MD	Ok,M
4	VSTDIC020	VW032408.D	10 Nov 2025 15:55	SY/MD	Ok,M
5	VSTDIC050	VW032409.D	10 Nov 2025 16:17	SY/MD	Ok,M
6	VSTDIC100	VW032410.D	10 Nov 2025 16:39	SY/MD	Ok,M
7	VSTDIC150	VW032411.D	10 Nov 2025 17:00	SY/MD	Ok,M
8	VIBLK	VW032412.D	10 Nov 2025 17:22	SY/MD	Ok
9	VSTDICV050	VW032413.D	10 Nov 2025 17:44	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW112525

Review By	Amit Patel	Review On	11/26/2025 10:23:14 AM	
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 12:23:19 PM	
SubDirectory	VW112525	HP Acquire Method	MSVOA_W	HP Processing Method
STD. NAME		STD REF.#		
Tune/Reschk Initial Calibration Stds		VP136411		
CCC		VP136412,VP136413		
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	VW032528.D	25 Nov 2025 08:13	SY/MD	Ok
2	VSTDCCC050	VW032529.D	25 Nov 2025 09:00	SY/MD	Ok,M
3	VW1125SBL01	VW032530.D	25 Nov 2025 09:57	SY/MD	Ok
4	VW1125SBS01	VW032531.D	25 Nov 2025 10:25	SY/MD	Ok,M
5	VW1125SBSD01	VW032532.D	25 Nov 2025 10:46	SY/MD	Ok,M
6	Q3719-01	VW032533.D	25 Nov 2025 13:26	SY/MD	Ok
7	Q3719-02	VW032534.D	25 Nov 2025 13:48	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:56:57 AM		
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:30 PM		
SubDirectory	VW112625	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136443			
CCC		VP136441,VP136442			
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	VW032535.D	26 Nov 2025 11:05	SY/MD	Ok
2	VSTDCCC050	VW032536.D	26 Nov 2025 12:05	SY/MD	Ok,M
3	VW1126SBL01	VW032537.D	26 Nov 2025 12:37	SY/MD	Ok
4	VW1126SBS01	VW032538.D	26 Nov 2025 13:05	SY/MD	Ok,M
5	VW1126SBSD01	VW032539.D	26 Nov 2025 13:27	SY/MD	Ok,M
6	Q3719-03	VW032540.D	26 Nov 2025 13:49	SY/MD	Ok
7	Q3604-05	VW032541.D	26 Nov 2025 14:11	SY/MD	Ok
8	Q3604-04	VW032542.D	26 Nov 2025 14:36	SY/MD	Ok
9	Q3719-04	VW032543.D	26 Nov 2025 14:58	SY/MD	Ok
10	Q3719-05	VW032544.D	26 Nov 2025 15:20	SY/MD	Ok
11	Q3719-06	VW032545.D	26 Nov 2025 15:42	SY/MD	Ok
12	Q3719-07	VW032546.D	26 Nov 2025 16:04	SY/MD	Ok
13	Q3719-08	VW032547.D	26 Nov 2025 16:27	SY/MD	Ok
14	Q3719-09	VW032548.D	26 Nov 2025 16:49	SY/MD	ReRun
15	Q3719-10	VW032549.D	26 Nov 2025 17:11	SY/MD	Ok
16	Q3719-11	VW032550.D	26 Nov 2025 17:33	SY/MD	Ok
17	Q3719-12	VW032551.D	26 Nov 2025 17:55	SY/MD	Ok
18	Q3719-13	VW032552.D	26 Nov 2025 18:17	SY/MD	ReRun
19	Q3723-01	VW032553.D	26 Nov 2025 18:39	SY/MD	Not Ok
20	Q3721-01	VW032554.D	26 Nov 2025 19:01	SY/MD	Not Ok
21	Q3719-14	VW032555.D	26 Nov 2025 19:23	SY/MD	Ok

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:56:57 AM		
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:30 PM		
SubDirectory	VW112625	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136443			
CCC		VP136441,VP136442			
Internal Standard/PEM		VP136146			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3733-01	VW032556.D	26 Nov 2025 19:45	SY/MD	Ok
23	Q3732-01	VW032557.D	26 Nov 2025 20:07	SY/MD	Ok
24	VIBLK	VW032558.D	26 Nov 2025 20:30	SY/MD	Ok
25	VSTDCCC050	VW032559.D	26 Nov 2025 20:52	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch 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	VSTDIC005	VY023809.D	26 Nov 2025 08:04	SY/MD	Ok,M
3	VSTDIC010	VY023810.D	26 Nov 2025 08:27	SY/MD	Ok,M
4	VSTDIC020	VY023811.D	26 Nov 2025 08:49	SY/MD	Ok,M
5	VSTDIC050	VY023812.D	26 Nov 2025 09:17	SY/MD	Ok,M
6	VSTDIC100	VY023813.D	26 Nov 2025 09:39	SY/MD	Ok,M
7	VSTDIC150	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	VY1126SBS01	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	VSTDIC050	VY023827.D	26 Nov 2025 15:17	SY/MD	Ok,M

M : Manual Integration

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 Initial Calibration Stds		VP136454			
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

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM
Supervise By	Maresh Dadoda	Supervise On	11/17/2025 1:37:22 PM
SubDirectory	VW111025	HP Acquire Method	VP134934 HP Processing Method 82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032405.D	10 Nov 2025 14:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032406.D	10 Nov 2025 15:11		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032407.D	10 Nov 2025 15:33		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032408.D	10 Nov 2025 15:55		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032409.D	10 Nov 2025 16:17		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032410.D	10 Nov 2025 16:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032411.D	10 Nov 2025 17:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032412.D	10 Nov 2025 17:22		SY/MD	Ok
9	VSTDICV050	ICVVW111025	VW032413.D	10 Nov 2025 17:44		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW112525

Review By	Amit Patel	Review On	11/26/2025 10:23:14 AM
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 12:23:19 PM
SubDirectory	VW112525	HP Acquire Method	MSVOA_W HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136411
CCC	VP136412,VP136413
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	VW032528.D	25 Nov 2025 08:13		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032529.D	25 Nov 2025 09:00		SY/MD	Ok,M
3	VW1125SBL01	VW1125SBL01	VW032530.D	25 Nov 2025 09:57		SY/MD	Ok
4	VW1125SBS01	VW1125SBS01	VW032531.D	25 Nov 2025 10:25		SY/MD	Ok,M
5	VW1125SBSD01	VW1125SBSD01	VW032532.D	25 Nov 2025 10:46		SY/MD	Ok,M
6	Q3719-01	SB-1125-10A	VW032533.D	25 Nov 2025 13:26		SY/MD	Ok
7	Q3719-02	SB-1125-10B	VW032534.D	25 Nov 2025 13:48		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:56:57 AM
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:30 PM
SubDirectory	VW112625	HP Acquire Method	MSVOA_W HP Processing Method 82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136443
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136441,VP136442 VP136146

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032535.D	26 Nov 2025 11:05		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032536.D	26 Nov 2025 12:05		SY/MD	Ok,M
3	VW1126SBL01	VW1126SBL01	VW032537.D	26 Nov 2025 12:37		SY/MD	Ok
4	VW1126SBS01	VW1126SBS01	VW032538.D	26 Nov 2025 13:05		SY/MD	Ok,M
5	VW1126SBSD01	VW1126SBSD01	VW032539.D	26 Nov 2025 13:27		SY/MD	Ok,M
6	Q3719-03	SB-1125-11A	VW032540.D	26 Nov 2025 13:49	vial B	SY/MD	Ok
7	Q3604-05	S-2	VW032541.D	26 Nov 2025 14:11	vial B	SY/MD	Ok
8	Q3604-04	S-1	VW032542.D	26 Nov 2025 14:36		SY/MD	Ok
9	Q3719-04	SB-1125-11B	VW032543.D	26 Nov 2025 14:58	vial B	SY/MD	Ok
10	Q3719-05	SB-1125-12A	VW032544.D	26 Nov 2025 15:20	vial B	SY/MD	Ok
11	Q3719-06	SB-1125-12B	VW032545.D	26 Nov 2025 15:42	vial A	SY/MD	Ok
12	Q3719-07	SB-1125-14A	VW032546.D	26 Nov 2025 16:04	vial A	SY/MD	Ok
13	Q3719-08	SB-1125-14B	VW032547.D	26 Nov 2025 16:27	vial A	SY/MD	Ok
14	Q3719-09	SB-1125-15A	VW032548.D	26 Nov 2025 16:49	Internal Standard Fail,vial A	SY/MD	ReRun
15	Q3719-10	SB-1125-15B	VW032549.D	26 Nov 2025 17:11	vial A	SY/MD	Ok
16	Q3719-11	SB-1125-16A	VW032550.D	26 Nov 2025 17:33	vial A	SY/MD	Ok
17	Q3719-12	SB-1125-16B	VW032551.D	26 Nov 2025 17:55	vial A	SY/MD	Ok
18	Q3719-13	SB-1125-17A	VW032552.D	26 Nov 2025 18:17	Internal Standard Fail,vial A	SY/MD	ReRun

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW112625

Review By	Semsettin Yesilyurt	Review On	12/1/2025 9:56:57 AM		
Supervise By	John Carlone	Supervise On	12/1/2025 2:45:30 PM		
SubDirectory	VW112625	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136443			
CCC		VP136441,VP136442			
Internal Standard/PEM		VP136146			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3723-01	CC-1-112525	VW032553.D	26 Nov 2025 18:39	Already Analyzed,vial B	SY/MD	Not Ok
20	Q3721-01	EO-2-112525	VW032554.D	26 Nov 2025 19:01	Already Analyzed,vial B	SY/MD	Not Ok
21	Q3719-14	SB-1125-17B	VW032555.D	26 Nov 2025 19:23	vial A	SY/MD	Ok
22	Q3733-01	SU-04-11-26-2025	VW032556.D	26 Nov 2025 19:45	vial A	SY/MD	Ok
23	Q3732-01	HD-01-11-26-2025	VW032557.D	26 Nov 2025 20:07	vial A	SY/MD	Ok
24	VIBLK	VIBLK	VW032558.D	26 Nov 2025 20:30		SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VW032559.D	26 Nov 2025 20:52		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY120125

Review By	John Carlone	Review On	12/2/2025 9:00:18 AM
Supervise By	Maresh 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 Initial Calibration Stds	VP136454
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136455,VP136456 VP136146

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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 Initial Calibration Stds	VP136454
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



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 11/25/2025
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: 11/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138040

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
Q3604-04	S-1	1	1.15	10.36	11.51	9.73	82.8	
Q3604-05	S-2	2	1.13	10.26	11.39	9.62	82.7	
Q3719-01	SB-1125-10A	3	1.15	10.90	12.05	9.46	76.2	
Q3719-02	SB-1125-10B	4	1.18	10.16	11.34	9.97	86.5	
Q3719-03	SB-1125-11A	5	1.13	10.69	11.82	9.71	80.3	
Q3719-04	SB-1125-11B	6	1.19	10.22	11.41	10.31	89.2	
Q3719-05	SB-1125-12A	7	1.16	10.46	11.62	8.25	67.8	
Q3719-06	SB-1125-12B	8	1.19	10.43	11.62	10.3	87.3	
Q3719-07	SB-1125-14A	9	1.18	10.41	11.59	9.86	83.4	
Q3719-08	SB-1125-14B	10	1.18	10.94	12.12	10.84	88.3	
Q3719-09	SB-1125-15A	11	1.11	10.78	11.89	10.52	87.3	
Q3719-10	SB-1125-15B	12	1.18	10.28	11.46	10.37	89.4	
Q3719-11	SB-1125-16A	13	1.19	10.48	11.67	10.41	88.0	
Q3719-12	SB-1125-16B	14	1.14	10.62	11.76	10.77	90.7	
Q3719-13	SB-1125-17A	15	1.18	10.86	12.04	10.55	86.3	
Q3719-14	SB-1125-17B	16	1.13	10.10	11.23	9.64	84.3	
Q3719-14D	SB-1125-17BDUP	17	1.15	10.10	11.25	9.63	84.0	
Q3721-01	EO-2-112525	18	1.14	10.28	11.42	10.57	91.7	
Q3721-02	EO-2-112525-E2	19	1.16	10.19	11.35	10.55	92.1	
Q3723-01	CC-1-112525	20	1.12	10.65	11.77	10.93	92.1	
Q3723-02	CC-1-112525-E2	21	1.16	10.33	11.49	10.62	91.6	
Q3726-01	112125-A	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3726-02	112125-B	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

571252040

WorkList Name : %1-112525

WorkList ID : 193343

Department : Wet-Chemistry

Date : 11-25-2025 10:19:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3604-04	S-1	Solid	Percent Solids	Cool 4 deg C	ROMA02	D41	11/10/2025	Chemtech -SO
Q3604-05	S-2	Solid	Percent Solids	Cool 4 deg C	ROMA02	D41	11/10/2025	Chemtech -SO
Q3719-01	SB-1125-10A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-02	SB-1125-10B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-03	SB-1125-11A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-04	SB-1125-11B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-05	SB-1125-12A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-06	SB-1125-12B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-07	SB-1125-14A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-08	SB-1125-14B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-09	SB-1125-15A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-10	SB-1125-15B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-11	SB-1125-16A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-12	SB-1125-16B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-13	SB-1125-17A	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3719-14	SB-1125-17B	Solid	Percent Solids	Cool 4 deg C	REMI01	D51	11/25/2025	Chemtech -SO
Q3721-01	EO-2-112525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/26/2025	Chemtech -SO
Q3721-02	EO-2-112525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/26/2025	Chemtech -SO
Q3723-01	CC-1-112525	Solid	Percent Solids	Cool 4 deg C	PSEG05	--Sele	11/25/2025	Chemtech -SO
Q3723-02	CC-1-112525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	--Sele	11/25/2025	Chemtech -SO
Q3726-01	112125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	11/25/2025	Chemtech -SO

Date/Time 11-25-25 15:20

Raw Sample Received by: JH WCC

Raw Sample Relinquished by: RS (EAL-106)

Date/Time 11-25-25

Raw Sample Received by: RS (EAL-106)

Raw Sample Relinquished by: JH WCC

WORKLIST(Hardcopy Internal Chain)

138040

WorkList Name : %1-112525

WorkList ID : 193343

Department : Wet-Chemistry

Date : 11-25-2025 10:19:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3726-02	112125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	11/25/2025	Chemtech -SO

Date/Time 11.25.25 15:20
 Raw Sample Received by: JG WCC
 Raw Sample Relinquished by: RJ (1-A-164)

Date/Time 11.25.25 17:45
 Raw Sample Received by: RJ (1-A-164)
 Raw Sample Relinquished by: JG WCC



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Remington + Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson e RVE.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Saddler Property
PROJECT NO.: 0400L003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson e RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: API Invoices e RVE.com PO#:
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson PHONE: 609-682-3049

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EOD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
✓ EDD FORMAT NJ Haz Site

TAL/TCL+30
VOCs
Cyanide
EPH Cat 2 (hatched)

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		E	F	E	E						
1.	SB-1125-10A	Soil		X	11/24/25	1440	7	3	3	3	1						3 Enclosures = F
2.	SB-1125-10B	Soil		X	11/24/25	1500	7	3	3		1						
3.	SB-1125-11A	Soil		X	11/24/25	1405	7	3	3		1						
4.	SB-1125-11B	Soil		X	11/24/25	1415	7	3	3		1						
5.	SB-1125-12A	Soil		X	11/24/25	1220	7	3	3		1						
6.	SB-1125-12B	Soil		X	11/24/25	1230	7	3	3		1						
7.	SB-1125-14A	Soil		X	11/24/25	1615	7	3	3		1						
8.	SB-1125-14B	Soil		X	11/24/25	1620	7	3	3		1						
9.	SB-1125-15A	Soil		X	11/24/25	1540	7	3	3		1						
10.	SB-1125-15B	Soil		X	11/24/25	1555	7	3	3		1						

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

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>11/25/2025</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
1. <u>Manuel Corral, Jr. RVE</u>		1. <u>[Signature]</u>	Comments: <u>VOCs + Cyanide w/ TAL/TCL+30</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME: <u>11-25-25</u>	RECEIVED BY:	
3. <u>[Signature]</u>		3.	

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington + Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson e RVE.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Saddle Property
PROJECT NO.: 0100L003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APInvoices@RVE.com PO#:
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson PHONE: 609-682-3049

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
EDD FORMAT: NJ Hazsite

TAL/TCL+30
VOCs
Cyanides
EPH Cat 2 (non Pres.)

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	F	E	E						
1.	SB-1125-16A	Soil		X	11/24/25	1340	7	3	3	1	1						F = Encovers
2.	SB-1125-16B	Soil		X	11/24/25	1355	7	3	3	1	1						
3.	SB-1125-17A	Soil		X	11/24/25	1515	7	3	3	1	1						
4.	SB-1125-17B	Soil		X	11/24/25	1530	7	3	3	1	1						
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.1 °C
1. Marco Canale 90 RVE	11/25/2025 9:00	11-25-25	Comments: VOCs + Cyanides w/ TAL/TCL+30
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.	11-25-25	3.	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3719 REMI01

Client Name : Remington & Vernick

Client Contact : Justin Zarzecki

Invoice Name : Remington & Vernick

Invoice Contact : Justin Zarzecki

Order Date : 11/25/2025 11:38:47 AM

Project Name : ^{Saddler} Sadler Property

Receive DateTime : 11/25/2025 11:55:00 AM

Purchase Order :

Project Mgr :

Report Type : Level 1

EDD Type : EXCEL NJ CLEANUP

Hard Copy Date :

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3719-01	SB-1125-10A	Solid	11/25/2025	14:40	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-02	SB-1125-10B	Solid	11/25/2025	15:00	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-03	SB-1125-11A	Solid	11/25/2025	14:05	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-04	SB-1125-11B	Solid	11/25/2025	14:15	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-05	SB-1125-12A	Solid	11/25/2025	12:20	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-06	SB-1125-12B	Solid	11/25/2025	12:30	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-07	SB-1125-14A	Solid	11/25/2025	16:15	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-08	SB-1125-14B	Solid	11/25/2025	16:20	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

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Project Name : *Sadler* Sadler Property

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Purchase Order :

Project Mgr :

Report Type : Level 1

EDD Type : EXCEL N/CLEANUP

Hard Copy Date : *MT Redwood*

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3719-09	SB-1125-15A	Solid	11/25/2025	15:40	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-10	SB-1125-15B	Solid	11/25/2025	15:55	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-11	SB-1125-16A	Solid	11/25/2025	13:40	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-12	SB-1125-16B	Solid	11/25/2025	13:55	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-13	SB-1125-17A	Solid	11/25/2025	15:15	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3719-14	SB-1125-17B	Solid	11/25/2025	15:30	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3719	REMI01	Order Date : 11/25/2025 11:38:47 AM	Project Mgr :
Client Name : Remington & Vernick		Project Name : ^{Sadler} Sadler Property	Report Type : Level 1
Client Contact : Justin Zarzecki		Receive DateTime : 11/25/2025 11:55:00 AM	EDD Type : EXCEL NJ CLEANUP
Invoice Name : Remington & Vernick		Purchase Order :	Hard Copy Date : ^{MT Redwood}
Invoice Contact : Justin Zarzecki			Date Signoff :

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

Relinquished By :

Date / Time :

CP
11/25/25 1255

Received By :

Date / Time :

APB
11/25/25

Storage Area : VOA Refridgerator Room

13:00