

Cover Page

Order ID : Q2487

Project ID : Construction of Shafts 17B-18B - PN 220084

Client : Walsh Construction Company II, LLC

Lab Sample Number

Client Sample Number

Q2487-01	G4(1.5)
Q2487-02	G4(10)
Q2487-03	G3(9)
Q2487-04	G3(3)
Q2487-05	G2(2.5)
Q2487-06	G2(9)
Q2487-07	G1(4.5)
Q2487-08	G1(10)
Q2487-09	G4(0-6)
Q2487-10	G4(6-12)
Q2487-11	G3(0-6)
Q2487-12	G3(6-12)
Q2487-13	G2(0-6)
Q2487-14	G2(6-12)
Q2487-15	G1(0-6)
Q2487-16	G1(6-12)
Q2487-17	G4(1.5)
Q2487-18	G4(10)
Q2487-19	G3(9)
Q2487-20	G3(3)
Q2487-21	G2(2.5)
Q2487-22	G2(9)
Q2487-23	G1(10)
Q2487-24	G1(4.5)

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2487

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SHREENA PATEL

Date: 07/09/2025

LAB CHRONICLE

OrderID:	Q2487	OrderDate:	7/2/2025 10:05:00 AM
Client:	Walsh Construction Company II, LLC	Project:	Construction of Shafts 17B-18B - PN 220084
Contact:	Jesse A. Sylvestri	Location:	A22,A53,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2487-01	G4(1.5)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-02	G4(10)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-03	G3(9)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-04	G3(3)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-05	G2(2.5)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/02/25	07/01/25
Q2487-05RE	G2(2.5)RE	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-06	G2(9)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-07	G1(4.5)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/03/25	07/01/25
Q2487-07RE	G1(4.5)RE	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/07/25	07/01/25
Q2487-08	G1(10)	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/07/25	07/01/25

Hit Summary Sheet
SW-846

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	G4(1.5)							
Q2487-01	G4(1.5)	SOIL	Acetone	120		5.50	29.1	ug/Kg
Q2487-01	G4(1.5)	SOIL	Carbon Disulfide	4.10	J	1.20	5.80	ug/Kg
Q2487-01	G4(1.5)	SOIL	2-Butanone	19.5	J	7.60	29.1	ug/Kg
			Total Voc :			144		
Q2487-01	G4(1.5)	SOIL	unknown15.035	* 7.20	J	0	0	ug/Kg
Q2487-01	G4(1.5)	SOIL	1-Methyldecahydronaphthalene	* 16.2	J	0	0	ug/Kg
Q2487-01	G4(1.5)	SOIL	Naphthalene, decahydro-2-metl	* 14.8	J	0	0	ug/Kg
Q2487-01	G4(1.5)	SOIL	Cyclohexane, 1-methyl-3-(1-m	* 17.6	J	0	0	ug/Kg
Q2487-01	G4(1.5)	SOIL	Cyclodecene, 1-methyl-	* 7.80	J	0	0	ug/Kg
			Total Tics :			63.6		
			Total Concentration:			207		
Client ID:	G4(10)							
Q2487-02	G4(10)	SOIL	Acetone	78.1		5.10	26.9	ug/Kg
Q2487-02	G4(10)	SOIL	2-Butanone	20.4	J	7.00	26.9	ug/Kg
			Total Voc :			98.5		
			Total Concentration:			98.5		
Client ID:	G3(9)							
Q2487-03	G3(9)	SOIL	Acetone	150		6.60	34.9	ug/Kg
Q2487-03	G3(9)	SOIL	2-Butanone	36.5		9.10	34.9	ug/Kg
			Total Voc :			187		
			Total Concentration:			187		
Client ID:	G2(2.5)							
Q2487-05	G2(2.5)	SOIL	Acetone	6.50	J	4.60	24.3	ug/Kg
Q2487-05	G2(2.5)	SOIL	Tetrachloroethene	1.00	J	1.00	4.90	ug/Kg
			Total Voc :			7.50		
			Total Concentration:			7.50		
Client ID:	G2(9)							
Q2487-06	G2(9)	SOIL	Acetone	70.8		6.20	32.9	ug/Kg
Q2487-06	G2(9)	SOIL	2-Butanone	16.7	J	8.60	32.9	ug/Kg
			Total Voc :			87.5		
			Total Concentration:			87.5		
Client ID:	G1(4.5)							
Q2487-07	G1(4.5)	SOIL	Acetone	84.9		8.80	46.4	ug/Kg
Q2487-07	G1(4.5)	SOIL	Carbon Disulfide	7.30	J	2.00	9.30	ug/Kg
Q2487-07	G1(4.5)	SOIL	2-Butanone	24.2	J	12.1	46.4	ug/Kg
Q2487-07	G1(4.5)	SOIL	Chlorobenzene	5.00	J	1.70	9.30	ug/Kg
			Total Voc :			121		
			Total Concentration:			121		
Client ID:	G1(4.5)RE							

Hit Summary Sheet
SW-846

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2487-07RE	G1(4.5)RE	SOIL	Acetone	26.3	J	6.70	35.3	ug/Kg
			Total Voc :	26.3				
			Total Concentration:	26.3				
Client ID:	G1(10)							
Q2487-08	G1(10)	SOIL	Acetone	1200		12.7	67.1	ug/Kg
Q2487-08	G1(10)	SOIL	Carbon Disulfide	5.00	J	2.80	13.4	ug/Kg
Q2487-08	G1(10)	SOIL	Methylene Chloride	21.0	JQ	9.50	26.8	ug/Kg
Q2487-08	G1(10)	SOIL	2-Butanone	290		17.6	67.1	ug/Kg
			Total Voc :	1520				
Q2487-08	G1(10)	SOIL	Propene	* 17.5	J	0	0	ug/Kg
			Total Tics :	17.5				
			Total Concentration:	1530				



QC SUMMARY

Surrogate Summary

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2487-01	G4(1.5)	1,2-Dichloroethane-d4	50	53.3	107		63	155
		Dibromofluoromethane	50	53.7	107		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	55.4	111		17	146
Q2487-02	G4(10)	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	56.7	113		17	146
Q2487-03	G3(9)	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	50.6	101		74	123
		4-Bromofluorobenzene	50	54.7	109		17	146
Q2487-04	G3(3)	1,2-Dichloroethane-d4	50	49.1	98		63	155
		Dibromofluoromethane	50	50.8	101		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	50.9	102		17	146
Q2487-05	G2(2.5)	1,2-Dichloroethane-d4	50	44.5	89		63	155
		Dibromofluoromethane	50	55.2	110		70	134
		Toluene-d8	50	46.0	92		74	123
		4-Bromofluorobenzene	50	22.9	46		17	146
Q2487-05RE	G2(2.5)RE	1,2-Dichloroethane-d4	50	46.2	92		63	155
		Dibromofluoromethane	50	52.9	106		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	29.0	58		17	146
Q2487-06	G2(9)	1,2-Dichloroethane-d4	50	53.6	107		63	155
		Dibromofluoromethane	50	53.2	106		70	134
		Toluene-d8	50	51.2	102		74	123
		4-Bromofluorobenzene	50	55.4	111		17	146
Q2487-07	G1(4.5)	1,2-Dichloroethane-d4	50	30.9	62	*	63	155
		Dibromofluoromethane	50	44.5	89		70	134
		Toluene-d8	50	48.2	96		74	123
		4-Bromofluorobenzene	50	34.7	69		17	146
Q2487-07RE	G1(4.5)RE	1,2-Dichloroethane-d4	50	39.8	80		63	155
		Dibromofluoromethane	50	49.1	98		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	41.9	84		17	146
Q2487-08	G1(10)	1,2-Dichloroethane-d4	50	51.6	103		63	155
		Dibromofluoromethane	50	53.6	107		70	134
		Toluene-d8	50	49.9	100		74	123
		4-Bromofluorobenzene	50	45.5	91		17	146
VY0702SBL01	VY0702SBL01	1,2-Dichloroethane-d4	50	49.3	99		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0702SBS01	VY0702SBS01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	48.9	98		17	146
VY0702SBSD01	VY0702SBSD01	1,2-Dichloroethane-d4	50	48.9	98		63	155
		Dibromofluoromethane	50	49.5	99		70	134

Surrogate Summary

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VY0702SBSD01	VY0702SBSD01	Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	47.2	94		17	146
VY0703SBL01	VY0703SBL01	1,2-Dichloroethane-d4	50	52.7	105		63	155
		Dibromofluoromethane	50	52.7	105		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0703SBS01	VY0703SBS01	1,2-Dichloroethane-d4	50	48.4	97		63	155
		Dibromofluoromethane	50	50.6	101		70	134
		Toluene-d8	50	51.1	102		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146
VY0707SBL01	VY0707SBL01	1,2-Dichloroethane-d4	50	45.8	91		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	53.3	107		17	146
VY0707SBS01	VY0707SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2487</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Walsh Construction Company II, LLC</u>	Datafile :	<u>VY022905.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0702SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	22.7	ug/Kg	114			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	21.9	ug/Kg	110			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.6	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.0	ug/Kg	85			69	149	
	Methylene Chloride	20	22.0	ug/Kg	110			72	131	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	97.2	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.7	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	19.8	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	89.3	ug/Kg	89			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96			82	125	
	2-Hexanone	100	90.1	ug/Kg	90			66	138	
	Dibromochloromethane	20	18.8	ug/Kg	94			79	125	
	1,2-Dibromoethane	20	18.3	ug/Kg	92			80	125	
	Tetrachloroethene	20	19.7	ug/Kg	99			83	125	
	Chlorobenzene	20	20.4	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487

Analytical Method: SW8260D

Client: Walsh Construction Company II, LLC

Datafile : VY022905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0702SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2487	Analytical Method:	SW8260D
Client:	Walsh Construction Company II, LLC	Datafile :	VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0702SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		64	136	20
	Chloromethane	20	20.5	ug/Kg	103	10		52	151	20
	Vinyl chloride	20	19.5	ug/Kg	98	3		56	148	20
	Bromomethane	20	21.3	ug/Kg	106	4		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	3		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	21.4	ug/Kg	107	3		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.0	ug/Kg	105	2		59	130	20
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102	7		77	129	20
	Methyl Acetate	20	19.1	ug/Kg	96	12		69	149	20
	Methylene Chloride	20	24.1	ug/Kg	121	10		72	131	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	22.0	ug/Kg	110	5		82	123	20
	Cyclohexane	20	21.9	ug/Kg	110	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	13		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	1		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		82	123	20
	Bromochloromethane	20	21.4	ug/Kg	107	6		80	127	20
	Chloroform	20	21.3	ug/Kg	106	2		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	4		80	126	20
	Methylcyclohexane	20	20.6	ug/Kg	103	0		77	123	20
	Benzene	20	21.2	ug/Kg	106	3		84	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	4		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	21.6	ug/Kg	108	4		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	4		82	123	20
	4-Methyl-2-Pentanone	100	97.1	ug/Kg	97	9		70	135	20
	Toluene	20	20.8	ug/Kg	104	3		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	3		81	122	20
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100	4		82	125	20
	2-Hexanone	100	98.9	ug/Kg	99	10		66	138	20
	Dibromochloromethane	20	20.1	ug/Kg	101	7		79	125	20
	1,2-Dibromoethane	20	19.2	ug/Kg	96	4		80	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	3		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	4		84	122	20
	Ethyl Benzene	20	21.1	ug/Kg	106	3		82	124	20
	m/p-Xylenes	40	41.8	ug/Kg	104	2		83	124	20
	o-Xylene	20	20.9	ug/Kg	104	4		83	123	20
	Styrene	20	20.5	ug/Kg	103	4		82	124	20
	Bromoform	20	19.3	ug/Kg	97	5		75	127	20
	Isopropylbenzene	20	22.1	ug/Kg	111	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/Kg	107	3		77	127	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	3		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487

Analytical Method: SW8260D

Client: Walsh Construction Company II, LLC

Datafile : VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0702SBSD01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	7		78	127	20
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96	6		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2487</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Walsh Construction Company II, LLC</u>	Datafile :	<u>VY022931.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0703SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	19.6	ug/Kg	98			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	18.3	ug/Kg	92			77	129	
	Methyl Acetate	20	16.2	ug/Kg	81			69	149	
	Methylene Chloride	20	24.0	ug/Kg	120			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	21.4	ug/Kg	107			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	21.2	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	88.7	ug/Kg	89			70	135	
	Toluene	20	20.6	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	19.4	ug/Kg	97			82	125	
	2-Hexanone	100	97.3	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.1	ug/Kg	96			79	125	
	1,2-Dibromoethane	20	18.2	ug/Kg	91			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	21.4	ug/Kg	107			82	124	
	m/p-Xylenes	40	42.4	ug/Kg	106			83	124	
	o-Xylene	20	20.1	ug/Kg	101			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	17.7	ug/Kg	89			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487

Analytical Method: SW8260D

Client: Walsh Construction Company II, LLC

Datafile : VY022931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0703SBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	17.7	ug/Kg	89			78	127	
	1,2,3-Trichlorobenzene	20	16.9	ug/Kg	85			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2487</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Walsh Construction Company II, LLC</u>	Datafile :	<u>VY022948.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0707SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	18.8	ug/Kg	94			56	148	
	Bromomethane	20	18.8	ug/Kg	94			58	141	
	Chloroethane	20	19.0	ug/Kg	95			69	130	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.7	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	18.4	ug/Kg	92			77	129	
	Methyl Acetate	20	16.6	ug/Kg	83			69	149	
	Methylene Chloride	20	28.4	ug/Kg	142		*	72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.3	ug/Kg	106			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.5	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	87.9	ug/Kg	88			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			82	125	
	2-Hexanone	100	97.0	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.3	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	18.6	ug/Kg	93			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.4	ug/Kg	104			83	124	
	o-Xylene	20	20.3	ug/Kg	102			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	18.3	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.5	ug/Kg	108			82	124	
	1,1,2,2-Tetrachloroethane	20	18.3	ug/Kg	92			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2487</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Walsh Construction Company II, LLC</u>	Datafile :	<u>VY022948.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0707SBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/Kg	84			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89			70	137	

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0702SBL01

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022904.D

Lab Sample ID: VY0702SBL01

Date Analyzed: 07/02/2025

Time Analyzed: 11:42

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
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025
G2 (2.5)	Q2487-05	VY022925.D	07/02/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0703SBL01

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022930.D

Lab Sample ID: VY0703SBL01

Date Analyzed: 07/03/2025

Time Analyzed: 09:57

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
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025
G4 (1.5)	Q2487-01	VY022938.D	07/03/2025
G4 (10)	Q2487-02	VY022939.D	07/03/2025
G3 (9)	Q2487-03	VY022940.D	07/03/2025
G3 (3)	Q2487-04	VY022941.D	07/03/2025
G2 (2.5) RE	Q2487-05RE	VY022942.D	07/03/2025
G2 (9)	Q2487-06	VY022943.D	07/03/2025
G1 (4.5)	Q2487-07	VY022944.D	07/03/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0707SBL01

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022947.D

Lab Sample ID: VY0707SBL01

Date Analyzed: 07/07/2025

Time Analyzed: 09:44

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
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025
G1 (4.5) RE	Q2487-07RE	VY022955.D	07/07/2025
G1 (10)	Q2487-08	VY022956.D	07/07/2025

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022775.D

BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 10:17

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	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (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
VSTDIC005	VSTDIC005	VY022776.D	06/23/2025	13:38
VSTDIC010	VSTDIC010	VY022777.D	06/23/2025	14:00
VSTDIC020	VSTDIC020	VY022778.D	06/23/2025	14:23
VSTDIC050	VSTDIC050	VY022779.D	06/23/2025	14:46
VSTDIC100	VSTDIC100	VY022780.D	06/23/2025	15:08
VSTDIC150	VSTDIC150	VY022781.D	06/23/2025	15:31



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022902.D

BFB Injection Date: 07/02/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:51

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	22.5
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	83.6
175	5.0 - 9.0% of mass 174	6.1 (7.3) 1
176	95.0 - 101.0% of mass 174	81.3 (97.3) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDCCC050	VSTDCCC050	VY022903.D	07/02/2025	10:37
VY0702SBL01	VY0702SBL01	VY022904.D	07/02/2025	11:42
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025	12:12
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025	12:35
G2 (2.5)	Q2487-05	VY022925.D	07/02/2025	20:14



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022928.D

BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:03

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	23
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.3 (7.3) 1
176	95.0 - 101.0% of mass 174	81 (95.1) 1
177	5.0 - 9.0% of mass 176	5.3 (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	VY022929.D	07/03/2025	09:26
VY0703SBL01	VY0703SBL01	VY022930.D	07/03/2025	09:57
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025	10:29
G4 (1.5)	Q2487-01	VY022938.D	07/03/2025	13:26
G4 (10)	Q2487-02	VY022939.D	07/03/2025	13:50
G3 (9)	Q2487-03	VY022940.D	07/03/2025	14:13
G3 (3)	Q2487-04	VY022941.D	07/03/2025	14:36
G2 (2.5) RE	Q2487-05RE	VY022942.D	07/03/2025	15:00
G2 (9)	Q2487-06	VY022943.D	07/03/2025	15:23
G1 (4.5)	Q2487-07	VY022944.D	07/03/2025	15:47



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q2487

Lab File ID: VY022945.D

BFB Injection Date: 07/07/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:36

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	20.9
75	30.0 - 60.0% of mass 95	53.2
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	1 (1.2) 1
174	50.0 - 100.0% of mass 95	84
175	5.0 - 9.0% of mass 174	6.1 (7.2) 1
176	95.0 - 101.0% of mass 174	79.8 (95) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022946.D	07/07/2025	09:08
VY0707SBL01	VY0707SBL01	VY022947.D	07/07/2025	09:44
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025	10:17
G1(4.5)RE	Q2487-07RE	VY022955.D	07/07/2025	13:15
G1(10)	Q2487-08	VY022956.D	07/07/2025	13:38

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: WALS01
 Lab Code: ACE SDG NO.: Q2487
 Lab File ID: VY022903.D Date Analyzed: 07/02/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:37
 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	453239	7.71	750175	8.62	644334	11.41
UPPER LIMIT	906478	8.213	1500350	9.116	1288670	11.914
LOWER LIMIT	226620	7.213	375088	8.116	322167	10.914
EPA SAMPLE NO.						
G2 (2.5)	250233	7.71	421989	8.62	262343 *	11.41
VY0702SBL01	327303	7.71	608180	8.62	599654	11.42
VY0702SBS01	424569	7.71	714057	8.62	598160	11.41
VY0702SBSD01	405936	7.71	690466	8.62	580305	11.41

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: WALS01
 Lab Code: ACE SDG NO.: Q2487
 Lab File ID: VY022903.D Date Analyzed: 07/02/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:37
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	321198	13.347				
UPPER LIMIT	642396	13.847				
LOWER LIMIT	160599	12.847				
EPA SAMPLE NO.						
G2 (2.5)	52246 *	13.35				
VY0702SBL01	251367	13.35				
VY0702SBS01	274634	13.35				
VY0702SBSD01	268831	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: WALS01
 Lab Code: ACE SDG NO.: Q2487
 Lab File ID: VY022929.D Date Analyzed: 07/03/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:26
 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	402903	7.71	653588	8.62	556811	11.41
UPPER LIMIT	805806	8.207	1307180	9.116	1113620	11.914
LOWER LIMIT	201452	7.207	326794	8.116	278406	10.914
EPA SAMPLE NO.						
G4 (1.5)	263891	7.71	498003	8.62	486484	11.41
G4 (10)	268165	7.71	511702	8.62	518609	11.41
G3 (9)	248522	7.71	472611	8.61	460662	11.41
G3 (3)	293406	7.71	553186	8.62	524066	11.41
G2 (2.5) RE	247861	7.71	437126	8.62	308489	11.41
G2 (9)	255058	7.71	488190	8.61	486353	11.41
G1 (4.5)	278058	7.71	464417	8.62	350783	11.41
VY0703SBL01	297416	7.71	558302	8.62	553906	11.41
VY0703SBS01	387913	7.71	648160	8.62	537972	11.41

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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2487</u>
Lab File ID:	<u>VY022929.D</u>	Date Analyzed:	<u>07/03/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:26</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	273118	13.347				
UPPER LIMIT	546236	13.847				
LOWER LIMIT	136559	12.847				
EPA SAMPLE NO.						
G4 (1.5)	211646	13.35				
G4 (10)	221137	13.35				
G3 (9)	196307	13.34				
G3 (3)	206599	13.35				
G2 (2.5) RE	72021 *	13.35				
G2 (9)	207222	13.35				
G1 (4.5)	104418 *	13.35				
VY0703SBL01	230762	13.35				
VY0703SBS01	252496	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: WALS01
Lab Code: ACE SDG NO.: Q2487
Lab File ID: VY022946.D Date Analyzed: 07/07/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:08
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	469181	7.71	754142	8.62	648632	11.41
UPPER LIMIT	938362	8.207	1508280	9.116	1297260	11.914
LOWER LIMIT	234591	7.207	377071	8.116	324316	10.914
EPA SAMPLE NO.						
G1 (4.5) RE	143475 *	7.71	238103 *	8.62	198851 *	11.41
G1 (10)	283210	7.71	516435	8.62	471025	11.41
VY0707SBL01	359794	7.71	659995	8.62	632698	11.41
VY0707SBS01	438661	7.71	730129	8.61	612594	11.41

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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2487</u>
Lab File ID:	<u>VY022946.D</u>	Date Analyzed:	<u>07/07/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:08</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	317038	13.347				
UPPER LIMIT	634076	13.847				
LOWER LIMIT	158519	12.847				
EPA SAMPLE NO.						
G1 (4.5) RE	72469 *	13.35				
G1 (10)	158953	13.35				
VY0707SBL01	266428	13.35				
VY0707SBS01	286401	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:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G4(1.5)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	88.1	
Sample Wt/Vol:	4.87	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022938.D	1	07/03/25 13:26	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.80	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.92	U	0.92	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	5.80	ug/Kg
67-64-1	Acetone	120		5.50	29.1	ug/Kg
75-15-0	Carbon Disulfide	4.10	J	1.20	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.85	U	0.85	5.80	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.80	ug/Kg
75-09-2	Methylene Chloride	4.10	U	4.10	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	U	1.00	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.93	U	0.93	5.80	ug/Kg
110-82-7	Cyclohexane	0.92	U	0.92	5.80	ug/Kg
78-93-3	2-Butanone	19.5	J	7.60	29.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.87	U	0.87	5.80	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.80	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	5.80	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.92	U	0.92	5.80	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.91	U	0.91	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	29.1	ug/Kg
108-88-3	Toluene	0.91	U	0.91	5.80	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084			Date Received:	07/01/25
Client Sample ID:	G4(1.5)			SDG No.:	Q2487
Lab Sample ID:	Q2487-01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	88.1
Sample Wt/Vol:	4.87	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022938.D	1	07/03/25 13:26	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.76	U	0.76	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	0.72	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.80	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	29.1	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.80	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.78	U	0.78	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.7	ug/Kg
95-47-6	o-Xylene	0.96	U	0.96	5.80	ug/Kg
100-42-5	Styrene	0.83	U	0.83	5.80	ug/Kg
75-25-2	Bromoform	1.00	U	1.00	5.80	ug/Kg
98-82-8	Isopropylbenzene	0.91	U	0.91	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	2.00	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	1.70	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.50	U	3.50	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.70	U	3.70	5.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.3	63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7	70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.9	74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3	17 - 146	111%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	264000	7.707
540-36-3	1,4-Difluorobenzene	498000	8.616
3114-55-4	Chlorobenzene-d5	486000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(1.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022938.D	1	07/03/25 13:26	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
024399-15-3	Cyclohexane, 1-methyl-3-(1-methyle	17.6	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	14.8	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	16.2	J		14.3	ug/Kg
066633-38-3	Cyclodecene, 1-methyl-	7.80	J		14.6	ug/Kg
	unknown15.035	7.20	J		15.0	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\VY070325\
 Data File : VY022938.D
 Acq On : 03 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2487-01
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

Quant Time: Jul 04 03:19:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

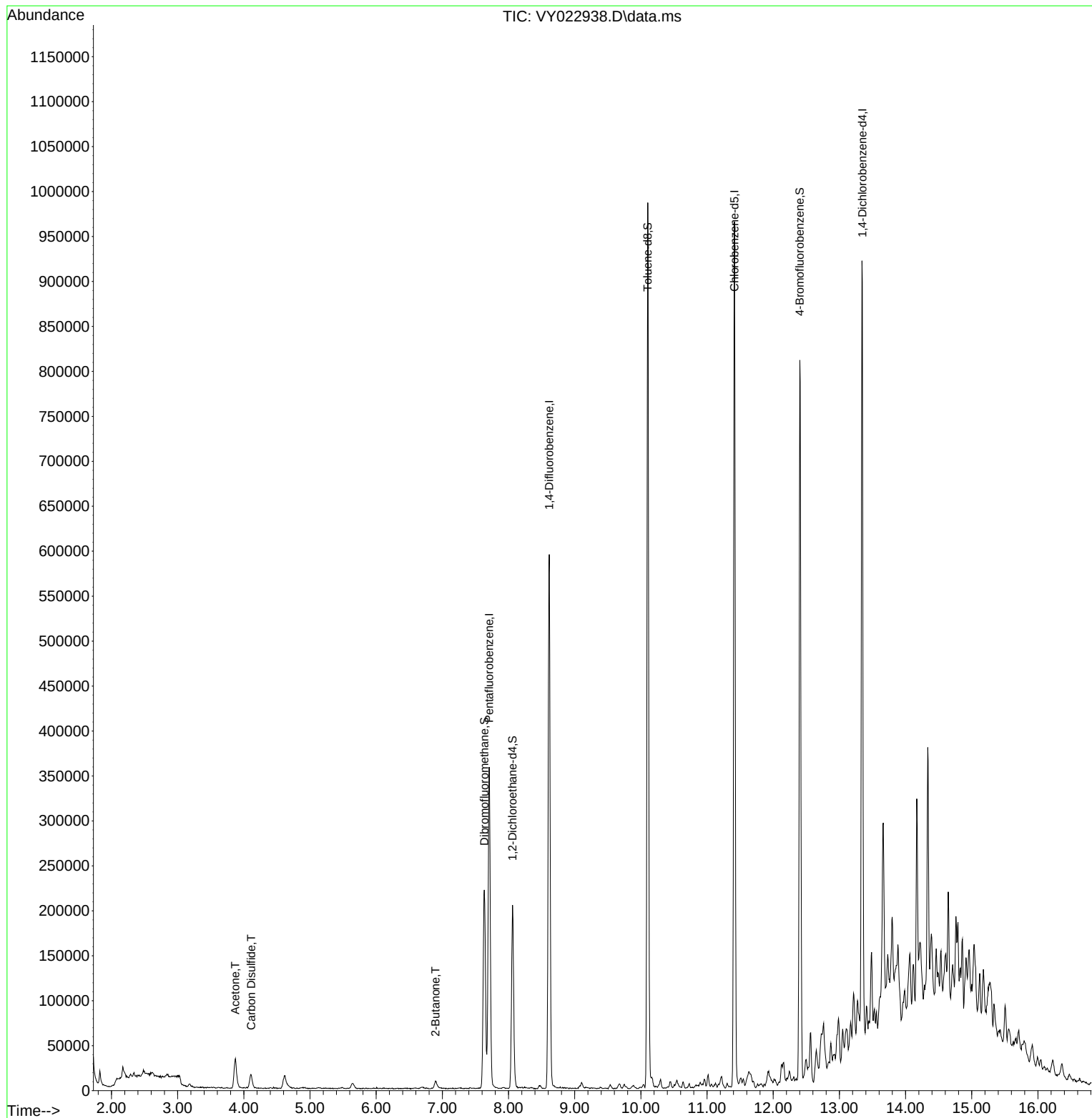
Internal Standards						
1) Pentafluorobenzene	7.707	168	263891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	486484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156878	53.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.520%	
35) Dibromofluoromethane	7.634	113	162534	53.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.340%	
50) Toluene-d8	10.103	98	611986	50.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.402	95	213824	55.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.700%	
Target Compounds						
						Qvalue
16) Acetone	3.873	43	57915	104.036	ug/l	95
17) Carbon Disulfide	4.110	76	30501	3.535	ug/l	98
25) 2-Butanone	6.896	43	13532	16.702	ug/l	95

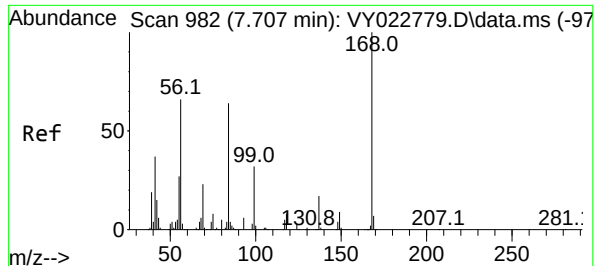
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

Quant Time: Jul 04 03:19:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

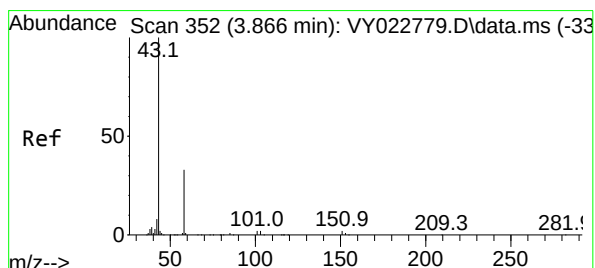
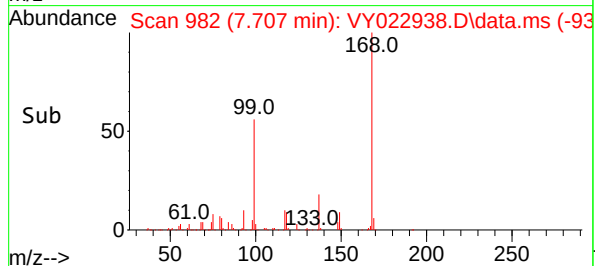
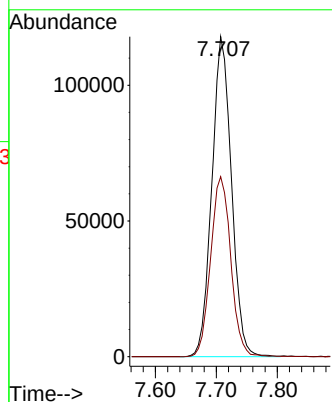
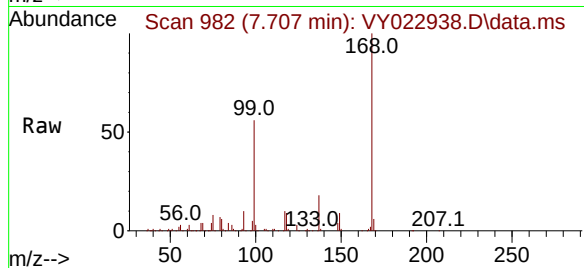




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

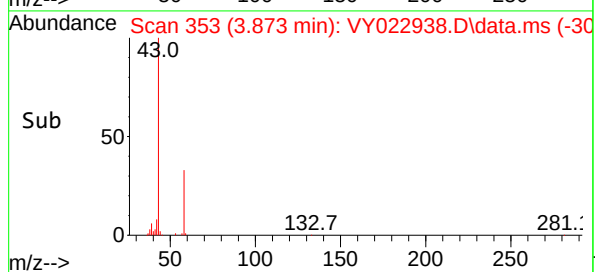
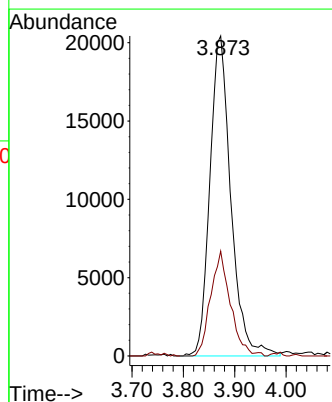
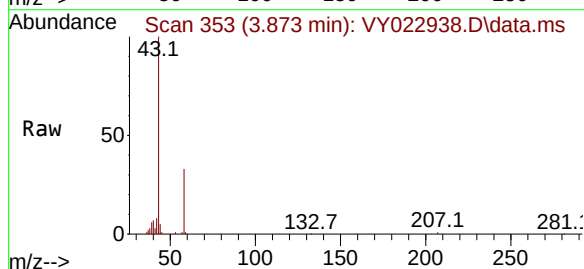
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

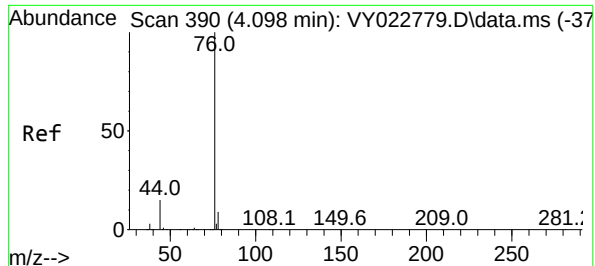
Tgt Ion:168 Resp: 263891
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 104.036 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 43 Resp: 57915
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0





#17

Carbon Disulfide

Concen: 3.535 ug/l

RT: 4.110 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

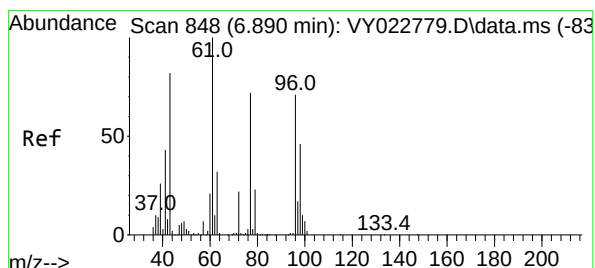
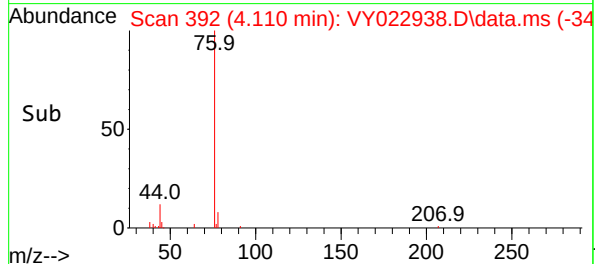
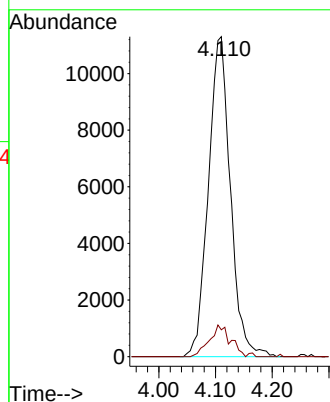
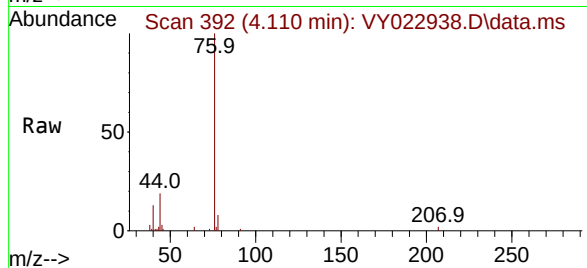
G4(1.5)

Tgt Ion: 76 Resp: 30501

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



#25

2-Butanone

Concen: 16.702 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022938.D

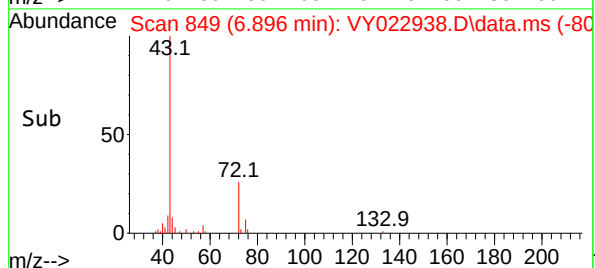
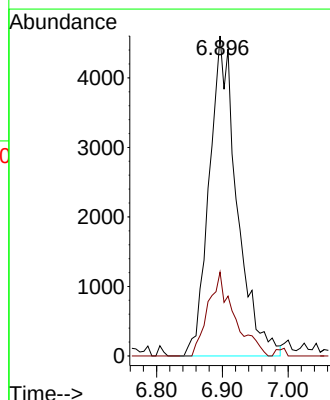
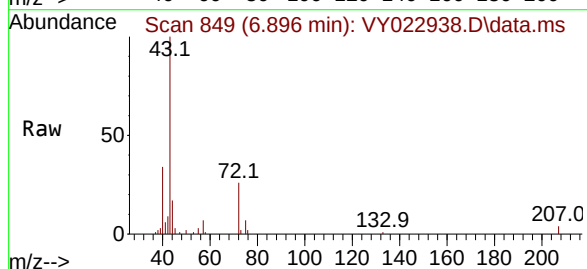
Acq: 03 Jul 2025 13:26

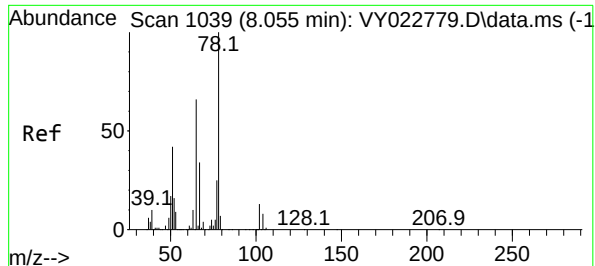
Tgt Ion: 43 Resp: 13532

Ion Ratio Lower Upper

43 100

72 26.2 22.9 34.3





#33

1,2-Dichloroethane-d4

Concen: 53.264 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

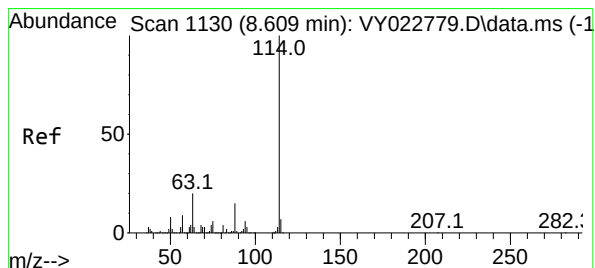
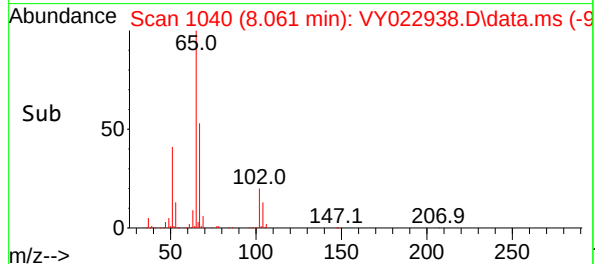
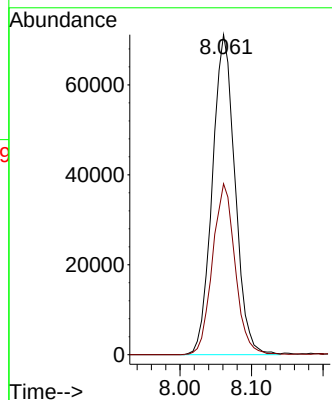
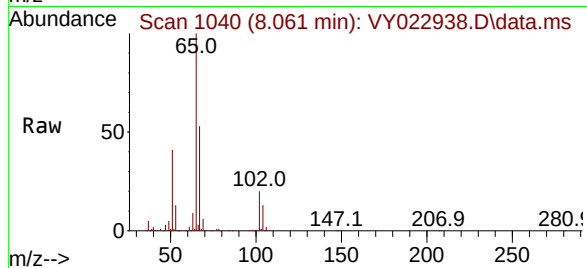
G4(1.5)

Tgt Ion: 65 Resp: 156878

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

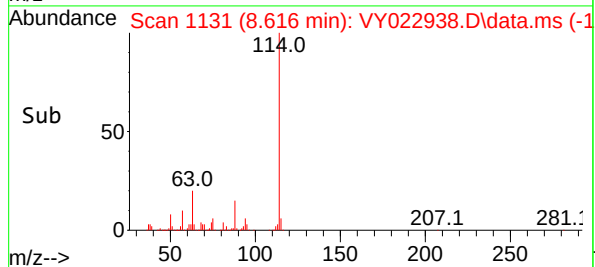
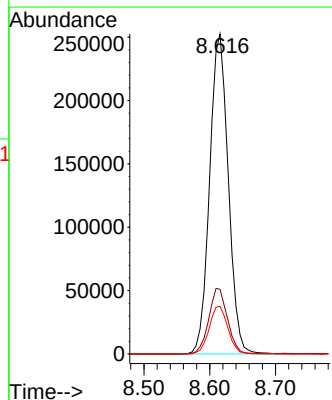
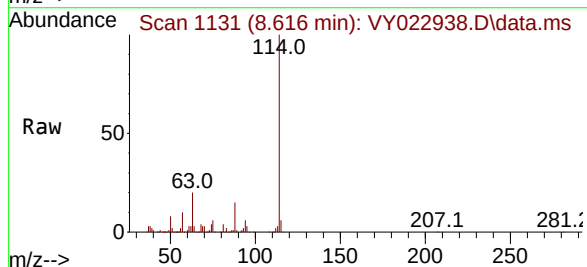
Tgt Ion: 114 Resp: 498003

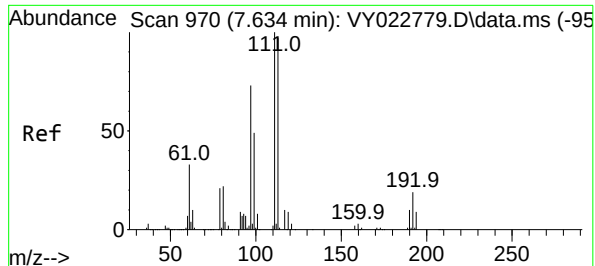
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 53.666 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

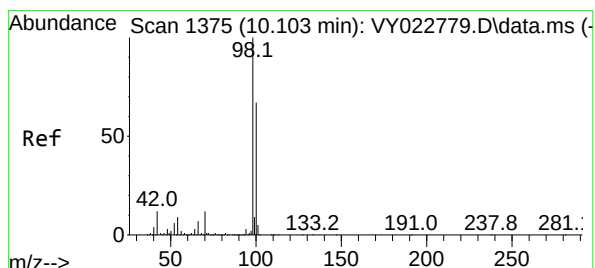
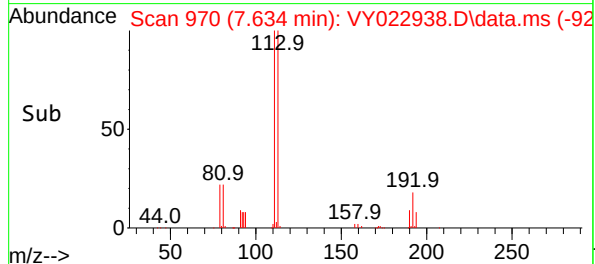
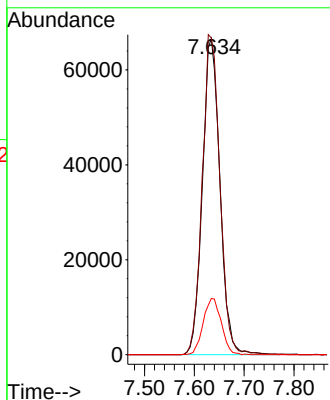
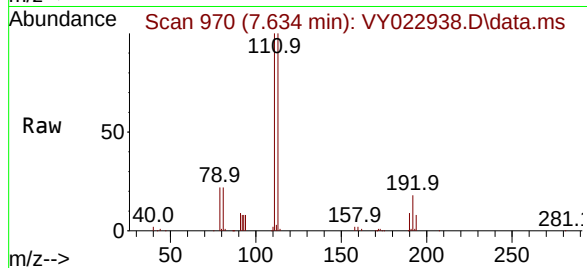
Tgt Ion:113 Resp: 162534

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 18.4 14.2 21.2



#50

Toluene-d8

Concen: 50.923 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022938.D

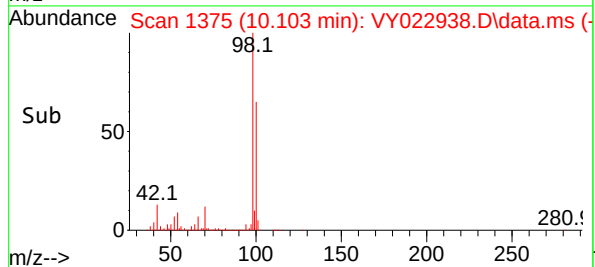
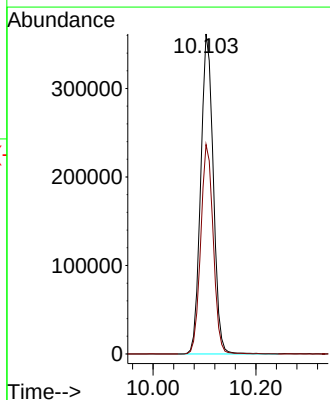
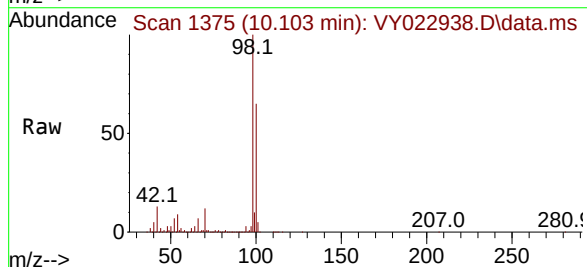
Acq: 03 Jul 2025 13:26

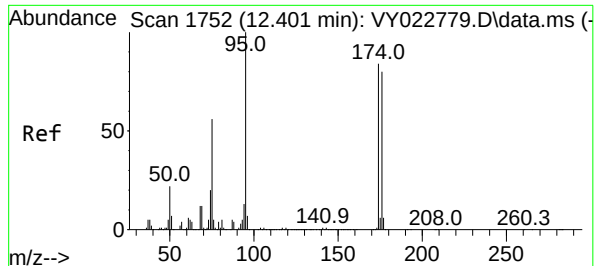
Tgt Ion: 98 Resp: 611986

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 55.346 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

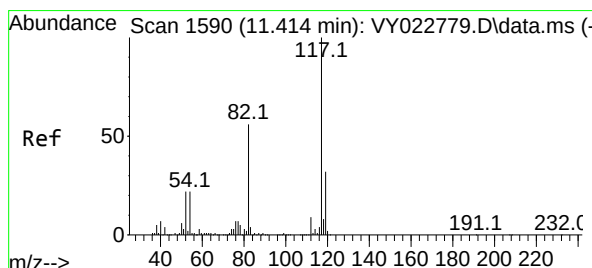
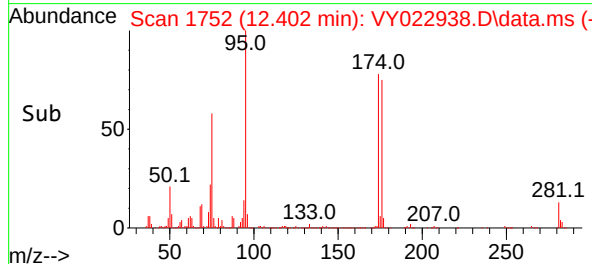
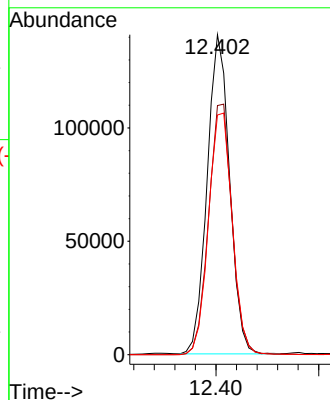
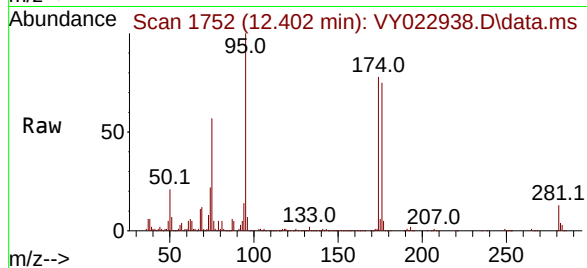
Tgt Ion: 95 Resp: 213824

Ion Ratio Lower Upper

95 100

174 81.7 0.0 170.0

176 80.3 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

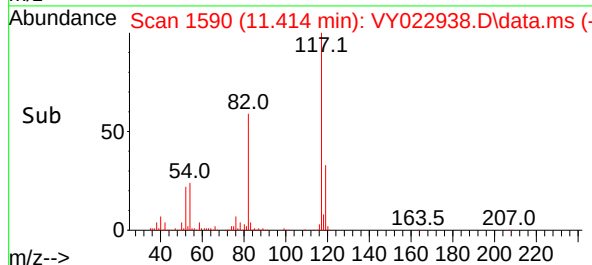
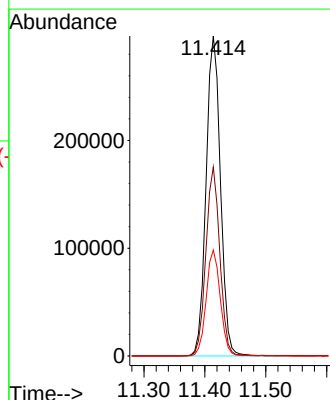
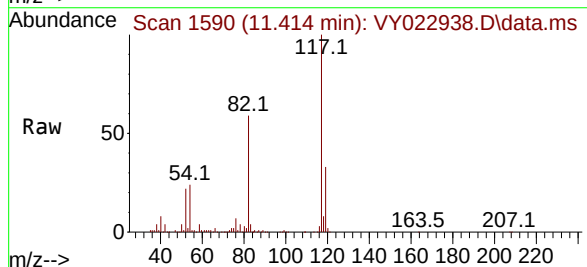
Tgt Ion: 117 Resp: 486484

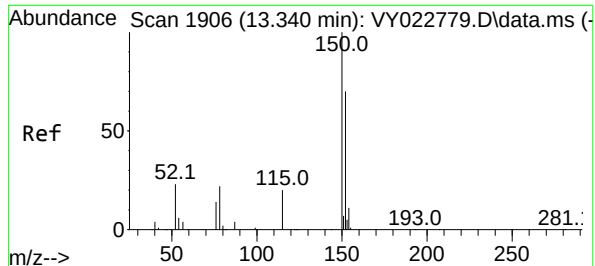
Ion Ratio Lower Upper

117 100

82 59.0 44.6 66.8

119 33.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022938.D

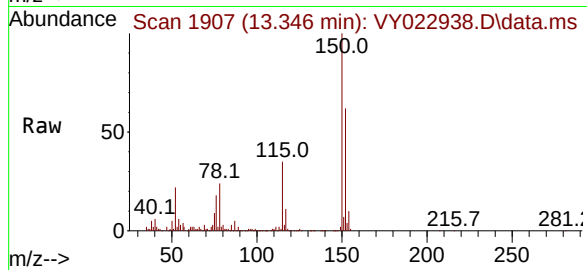
Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)



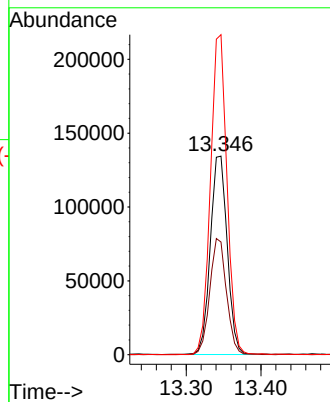
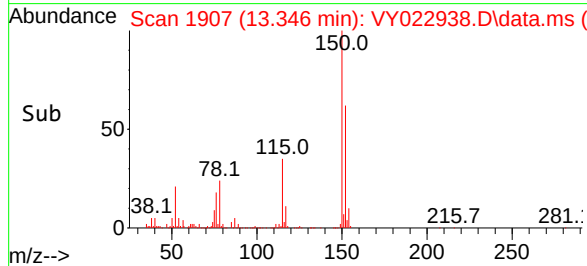
Tgt Ion:152 Resp: 211646

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022938.D
 Acq On : 03 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2487-01
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

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\82Y062325S.M
 Title : SW846 8260

Signal : TIC: VY022938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	25	rVB3	15790	25818	1.54%	0.193%
2	2.172	70	74	82	rBV3	11448	23243	1.38%	0.174%
3	3.019	211	213	221	rVB4	10805	20995	1.25%	0.157%
4	3.873	344	353	371	rBV	32905	93126	5.54%	0.698%
5	4.104	383	391	400	rBV2	15078	42165	2.51%	0.316%
6	4.622	466	476	490	rBV4	14217	53325	3.17%	0.400%
7	5.641	635	643	655	rVB6	5874	19810	1.18%	0.148%
8	6.896	841	849	858	rBV	8194	22217	1.32%	0.166%
9	7.634	960	970	976	rBV2	220584	543475	32.35%	4.072%
10	7.707	976	982	998	rVB	356723	811898	48.33%	6.083%
11	8.061	1030	1040	1050	rBV	204047	460115	27.39%	3.447%
12	8.616	1120	1131	1142	rBV	594017	1188692	70.76%	8.905%
13	9.103	1203	1211	1219	rBV8	6622	17343	1.03%	0.130%
14	10.103	1368	1375	1384	rBV	984186	1679883	100.00%	12.585%
15	10.298	1399	1407	1413	rVB6	10005	21176	1.26%	0.159%
16	10.542	1442	1447	1455	rVV8	8690	21558	1.28%	0.162%
17	11.018	1519	1525	1530	rVB3	13126	21836	1.30%	0.164%
18	11.219	1552	1558	1567	rVB5	13013	33222	1.98%	0.249%
19	11.414	1582	1590	1600	rBV	962568	1568313	93.36%	11.750%
20	11.633	1616	1626	1629	rBV4	15350	46439	2.76%	0.348%
21	11.932	1666	1675	1685	rBV4	16249	59568	3.55%	0.446%
22	12.127	1702	1707	1709	rBV5	20042	33372	1.99%	0.250%
23	12.158	1709	1712	1718	rVV5	21661	37019	2.20%	0.277%
24	12.243	1722	1726	1733	rVB8	10447	19197	1.14%	0.144%
25	12.402	1746	1752	1760	rBV2	800570	1377233	81.98%	10.318%
26	12.499	1762	1768	1771	rBV6	18340	37883	2.26%	0.284%
27	12.566	1774	1779	1786	rVB3	55072	102814	6.12%	0.770%
28	12.651	1786	1793	1798	rBV8	35846	92294	5.49%	0.691%
29	12.725	1799	1805	1807	rBV3	38066	72242	4.30%	0.541%
30	12.871	1826	1829	1833	rBV5	21942	31179	1.86%	0.234%
31	12.987	1840	1848	1853	rVB5	48496	120313	7.16%	0.901%
32	13.048	1854	1858	1862	rBV4	34793	60450	3.60%	0.453%
33	13.103	1863	1867	1872	rVB6	25085	55690	3.32%	0.417%
34	13.170	1874	1878	1881	rVV3	27009	42755	2.55%	0.320%
35	13.212	1881	1885	1891	rVV7	54215	111737	6.65%	0.837%
36	13.273	1891	1895	1901	rVV4	40549	96111	5.72%	0.720%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

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\82Y062325S.M
Title : SW846 8260

37	13.340	1901	1906	1914	rVB	859704	1366477	81.34%	10.237%
38	13.407	1914	1917	1921	rBV6	29878	43205	2.57%	0.324%
39	13.487	1925	1930	1934	rVV3	77956	126480	7.53%	0.948%
40	13.615	1945	1951	1952	rBV6	35466	65570	3.90%	0.491%
41	13.663	1952	1959	1964	rVV4	198613	413055	24.59%	3.095%
42	13.798	1978	1981	1986	rVB2	70224	99275	5.91%	0.744%
43	14.066	2018	2025	2029	rBV7	58503	127144	7.57%	0.953%
44	14.121	2030	2034	2038	rBV6	40494	60602	3.61%	0.454%
45	14.169	2038	2042	2046	rBV2	224609	347649	20.69%	2.605%
46	14.334	2065	2069	2074	rBV2	258600	380602	22.66%	2.851%
47	14.462	2086	2090	2093	rBV4	49773	72266	4.30%	0.541%
48	14.535	2098	2102	2106	rVB6	44571	65652	3.91%	0.492%
49	14.645	2116	2120	2126	rVB3	118438	183522	10.92%	1.375%
50	14.761	2135	2139	2141	rBV2	78935	108147	6.44%	0.810%
51	14.858	2152	2155	2158	rVB3	77130	105966	6.31%	0.794%
52	14.913	2158	2164	2167	rBV5	56553	118972	7.08%	0.891%
53	15.035	2181	2184	2192	rVB5	74065	169351	10.08%	1.269%
54	15.175	2202	2207	2214	rBV8	48488	89154	5.31%	0.668%
55	15.334	2231	2233	2242	rVB9	35896	68482	4.08%	0.513%
56	15.505	2256	2261	2266	rBV5	39171	69672	4.15%	0.522%
57	15.913	2321	2328	2337	rVB10	23821	67462	4.02%	0.505%
58	15.992	2337	2341	2346	rVV6	12590	23347	1.39%	0.175%
59	16.041	2346	2349	2354	rVB6	10624	17699	1.05%	0.133%
60	16.224	2372	2379	2388	rVB7	17285	47731	2.84%	0.358%
61	16.364	2398	2402	2414	rVB9	18086	45895	2.73%	0.344%

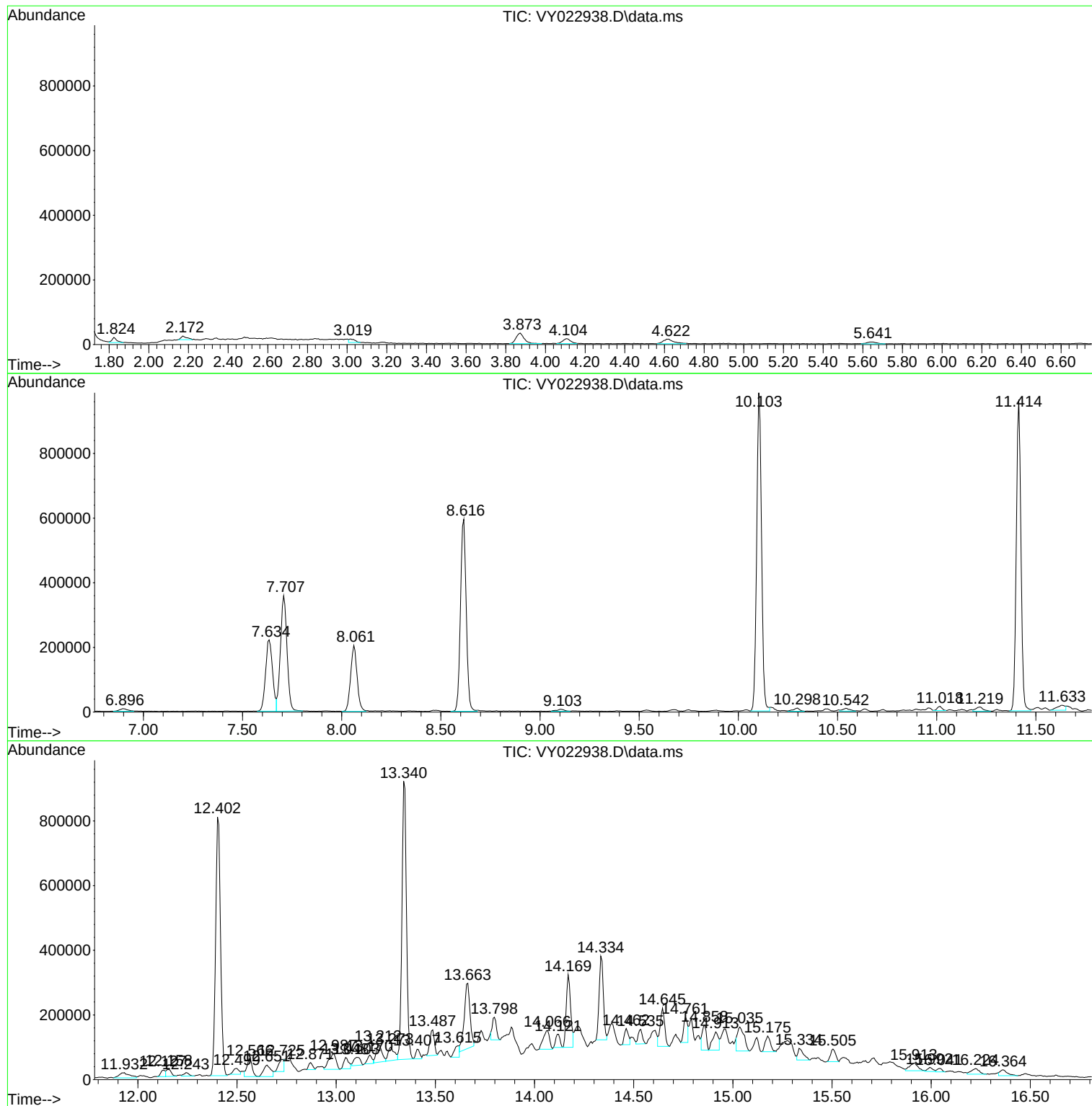
Sum of corrected areas: 13347883

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

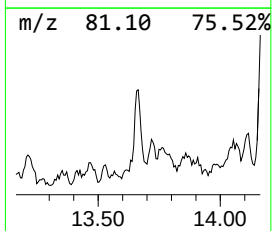
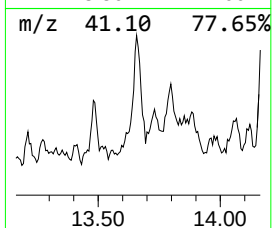
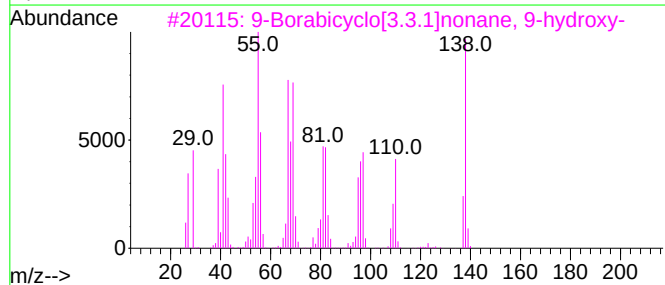
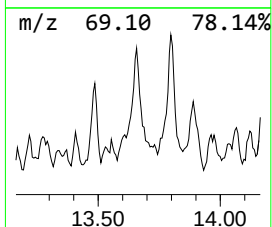
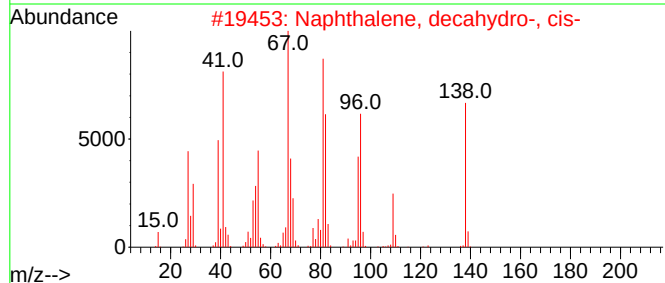
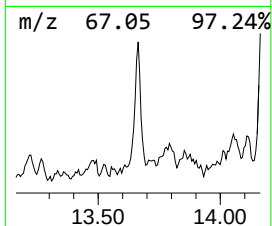
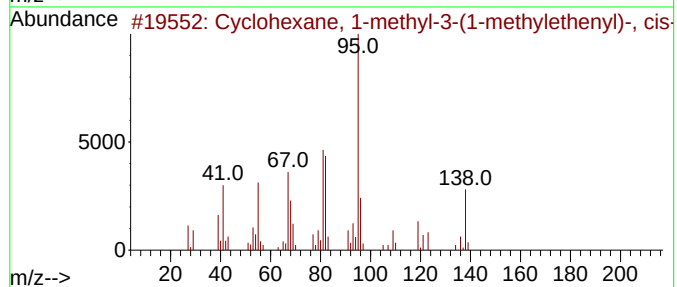
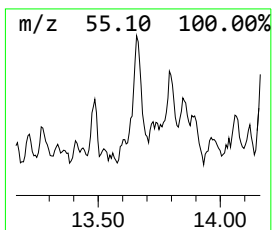
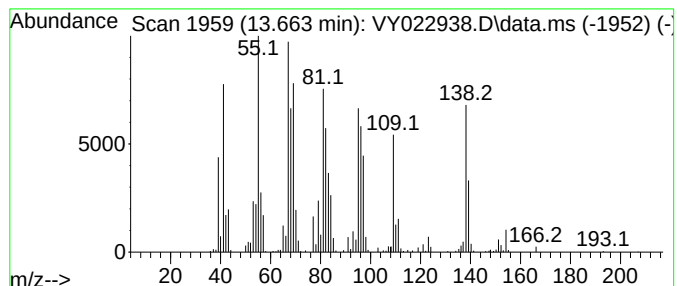
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	15.11 ug/l	413055	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	70
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60
3			9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	52
4			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	49
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

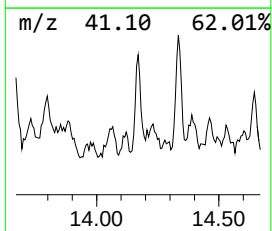
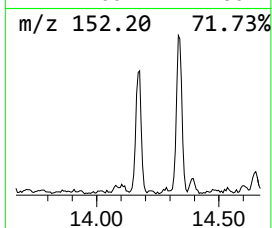
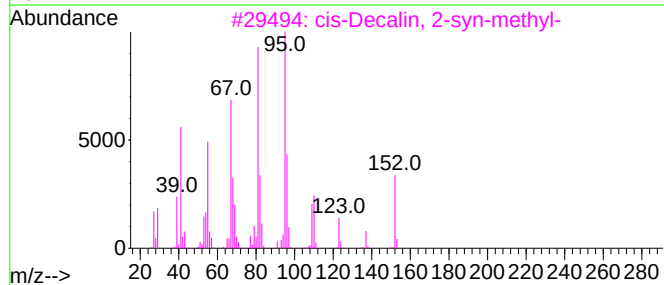
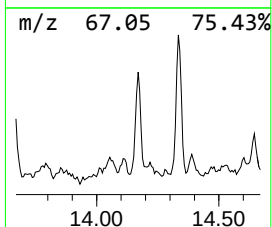
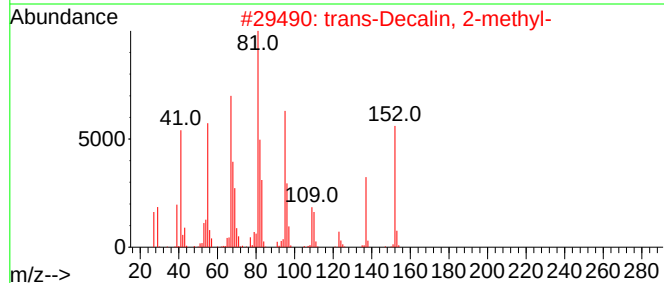
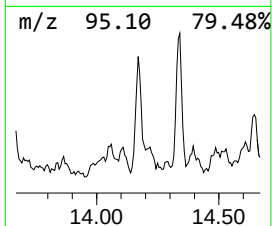
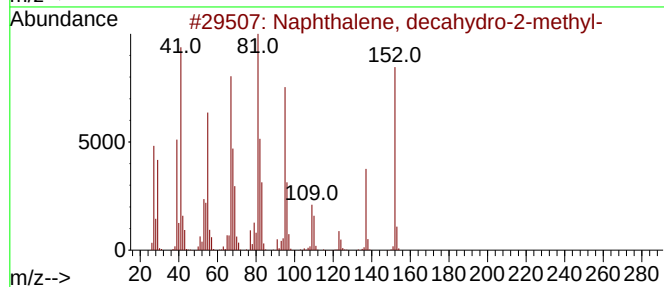
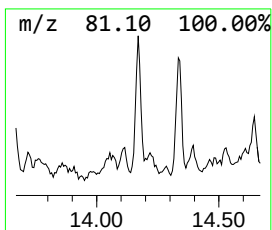
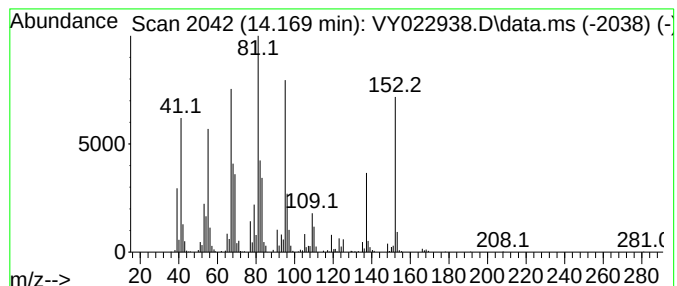
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Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	12.72 ug/l	347649	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	99
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
4			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	76
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

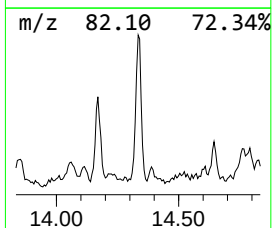
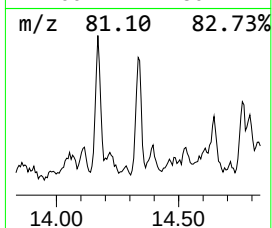
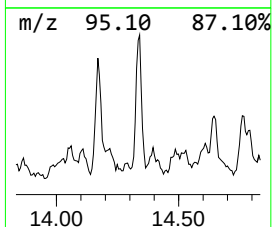
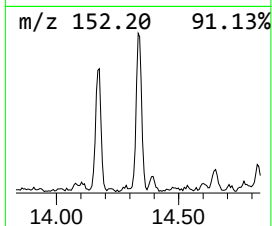
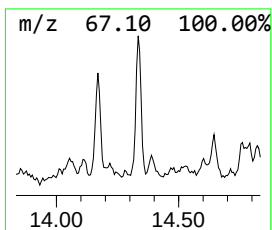
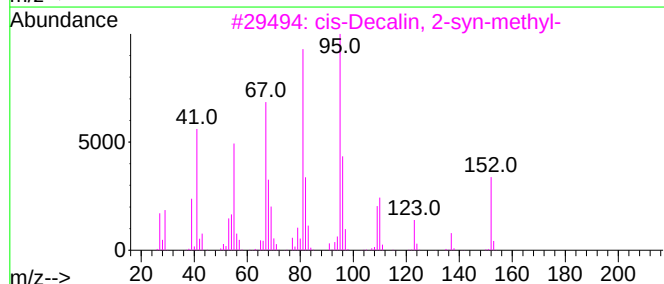
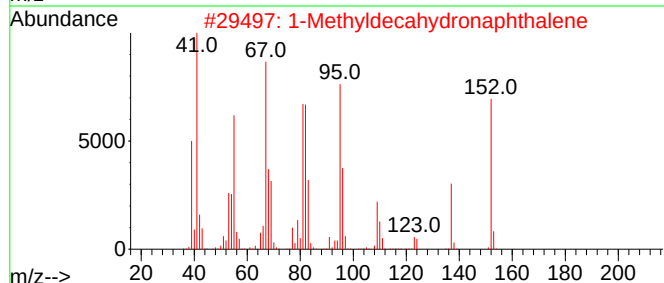
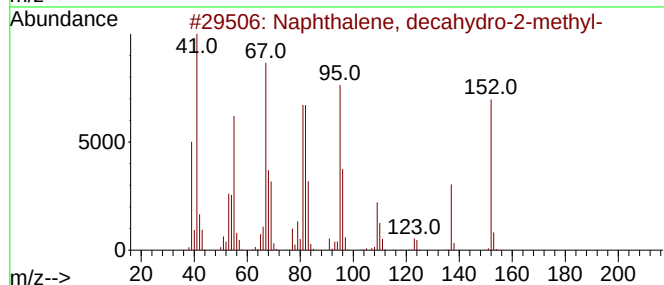
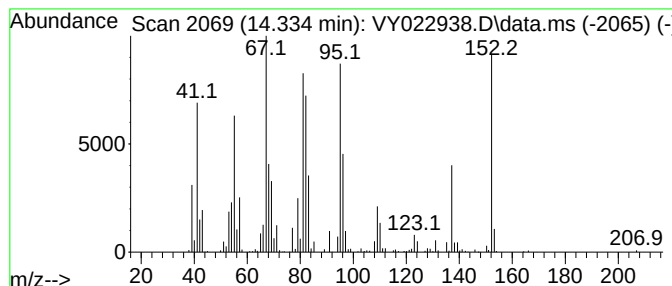
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 3 1-Methyldecahydronaphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	13.93 ug/l	380602	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	93
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

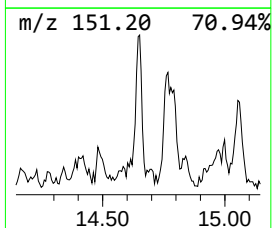
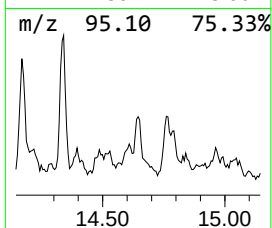
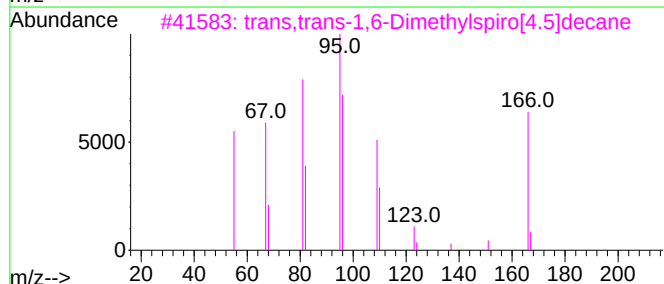
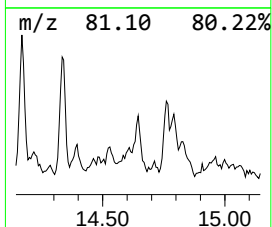
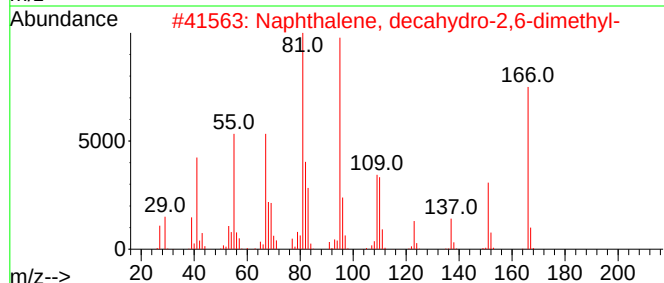
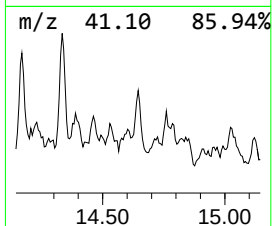
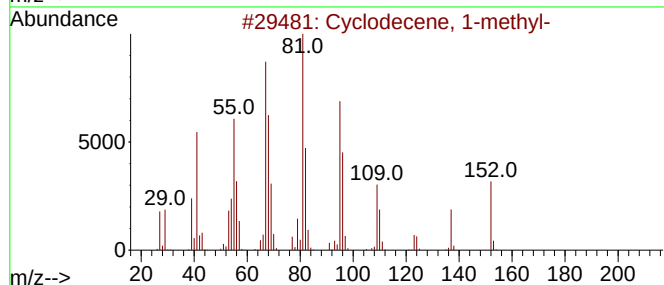
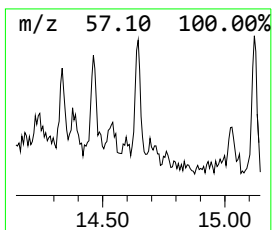
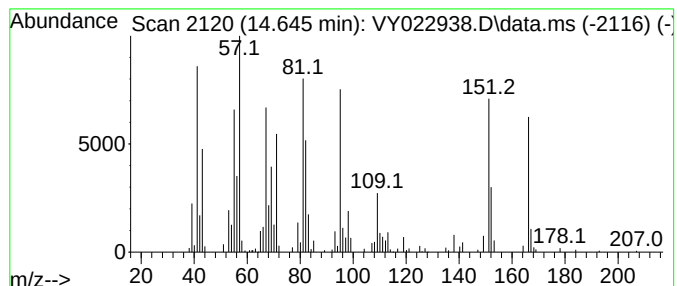
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclodecene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	6.72 ug/l	183522	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	64
2			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	58
3			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	58
4			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	53
5			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

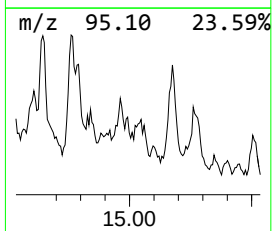
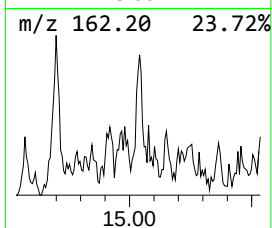
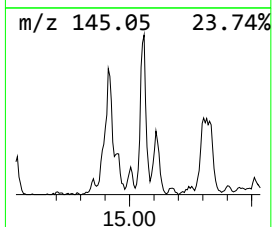
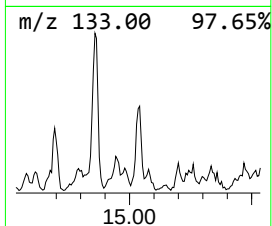
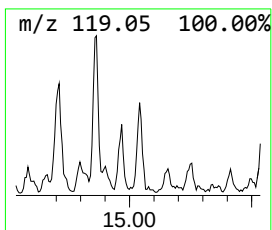
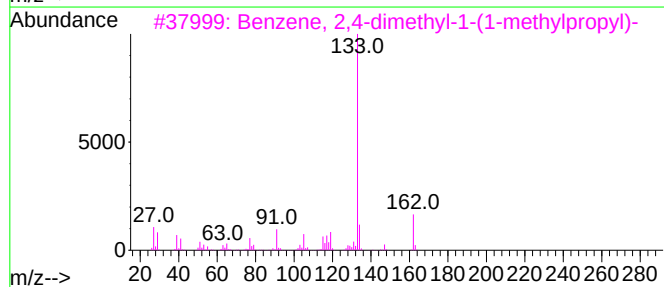
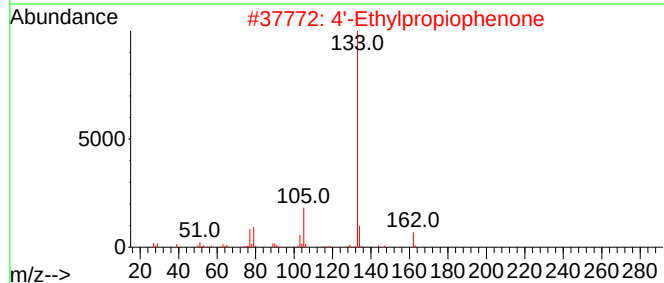
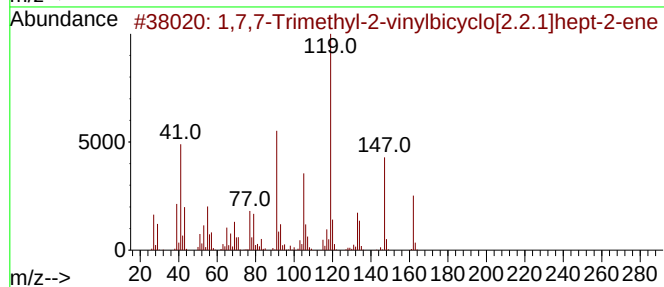
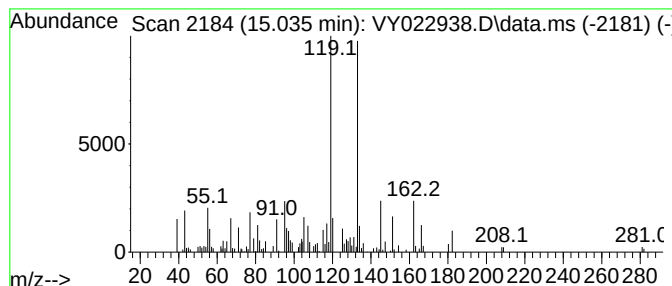
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 5 unknown15.035 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	6.20 ug/l	169351	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,7,7-Trimethyl-2-vinylbicyclo[2...]	162	C12H18	130930-56-2	41
2			4'-Ethylpropiophenone	162	C11H14O	027465-51-6	30
3			Benzene, 2,4-dimethyl-1-(1-methy...	162	C12H18	001483-60-9	30
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	30
5			1-Propanone, 1-(2,4-dimethylphen...	162	C11H14O	035031-55-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022938.D
Acq On : 03 Jul 2025 13:26
Operator : SY/MD
Sample : Q2487-01
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1-...	13.664	15.1	ug/l	413055	4	13.347	1366480	50.0
Naphthalene, de...	14.169	12.7	ug/l	347649	4	13.347	1366480	50.0
1-Methyldecahyd...	14.334	13.9	ug/l	380602	4	13.347	1366480	50.0
Cyclodecene, 1-...	14.645	6.7	ug/l	183522	4	13.347	1366480	50.0
unknown15.035	15.035	6.2	ug/l	169351	4	13.347	1366480	50.0

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G4(10)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	72.9	
Sample Wt/Vol:	6.38	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022939.D	1	07/03/25 13:50	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	78.1		5.10	26.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	20.4	J	7.00	26.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.9	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G4(10)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	72.9	
Sample Wt/Vol:	6.38	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022939.D	1	07/03/25 13:50	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	26.9	ug/Kg
124-48-1	Dibromochloromethane	0.94	U	0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.95	U	0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.8	ug/Kg
95-47-6	o-Xylene	0.88	U	0.88	5.40	ug/Kg
100-42-5	Styrene	0.76	U	0.76	5.40	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	512000	8.616			
3114-55-4	Chlorobenzene-d5	519000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.346			



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(10)	SDG No.:	Q2487
Lab Sample ID:	Q2487-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	72.9
Sample Wt/Vol:	6.38	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022939.D	1	07/03/25 13:50	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070325\
 Data File : VY022939.D
 Acq On : 03 Jul 2025 13:50
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 03:19:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

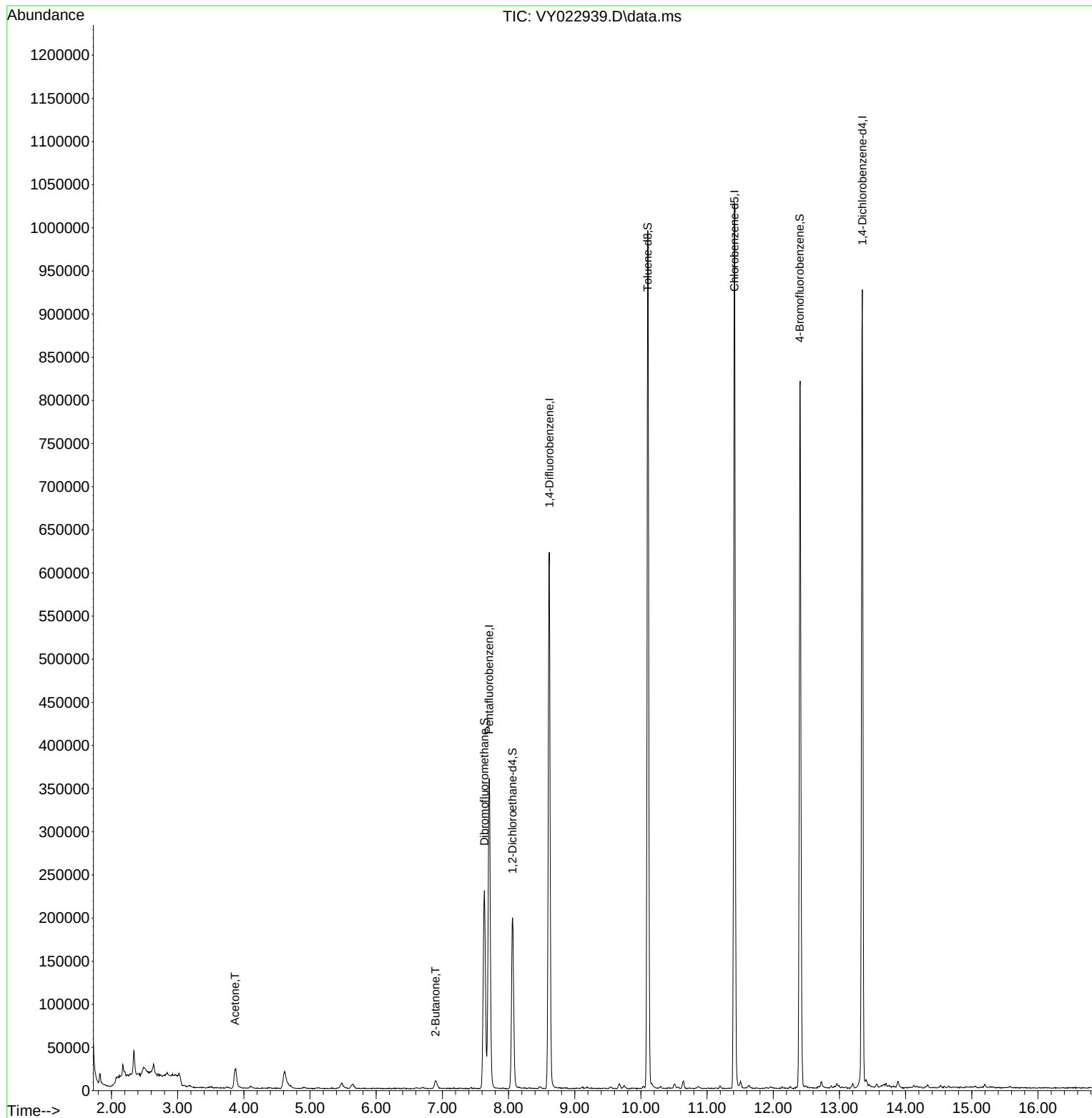
Internal Standards						
1) Pentafluorobenzene	7.707	168	268165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	511702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157321	52.563	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.120%	
35) Dibromofluoromethane	7.634	113	161972	52.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.103	98	636307	51.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.402	95	225067	56.697	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.400%	
Target Compounds						Qvalue
16) Acetone	3.866	43	41089	72.634	ug/l	99
25) 2-Butanone	6.896	43	15608	18.957	ug/l #	87

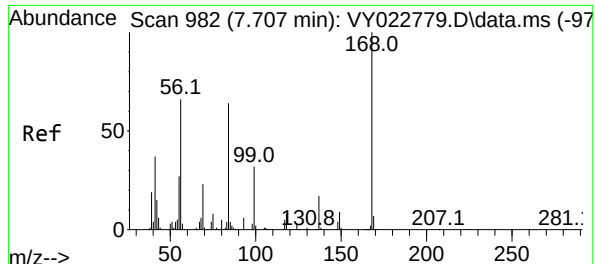
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022939.D
Acq On : 03 Jul 2025 13:50
Operator : SY/MD
Sample : Q2487-02
Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

Quant Time: Jul 04 03:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

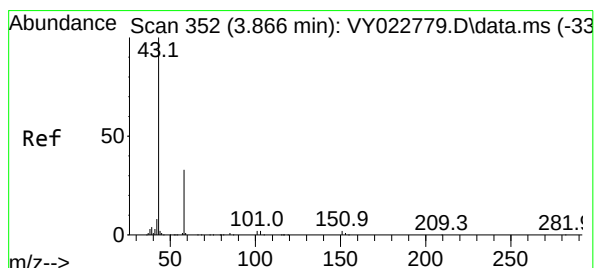
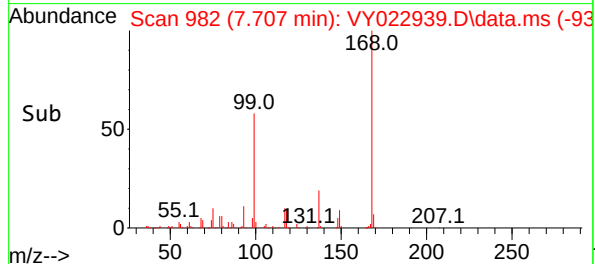
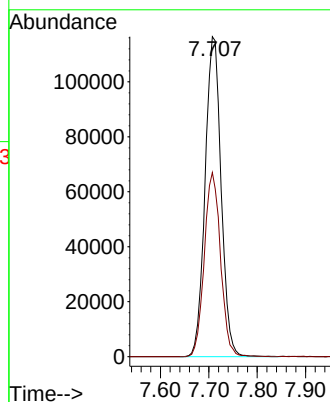
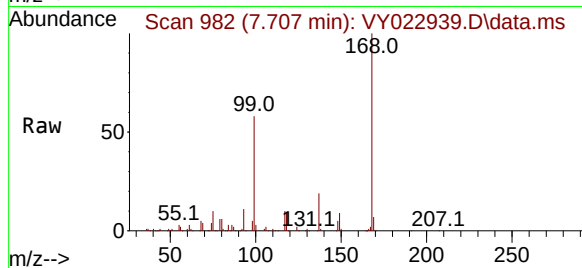




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

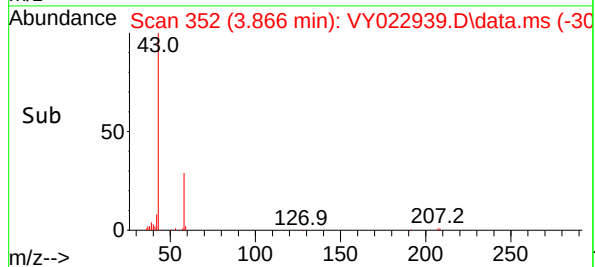
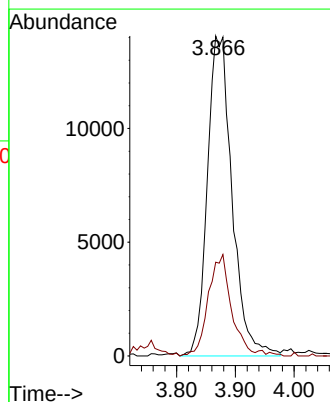
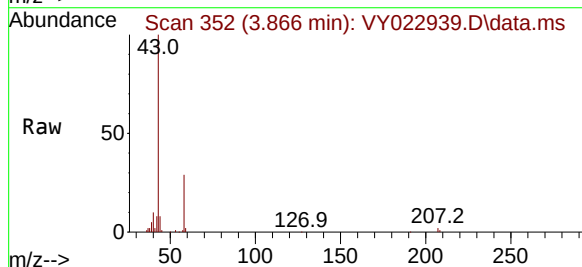
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

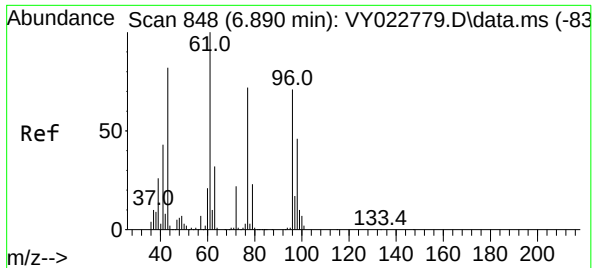
Tgt Ion:168 Resp: 268165
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#16
Acetone
Concen: 72.634 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 43 Resp: 41089
Ion Ratio Lower Upper
43 100
58 29.3 24.0 36.0

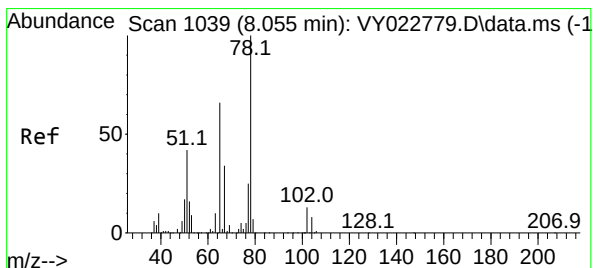
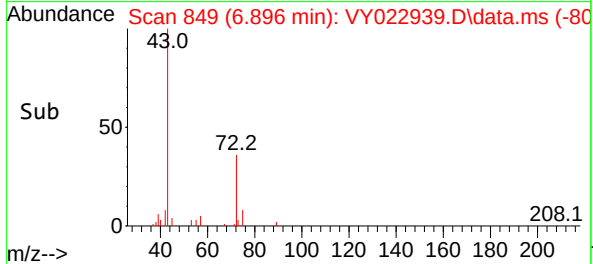
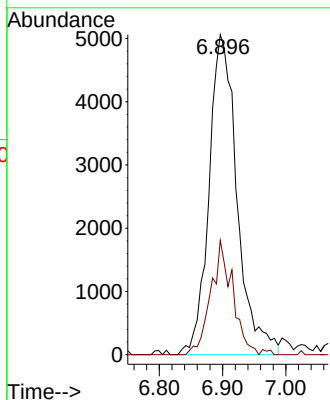
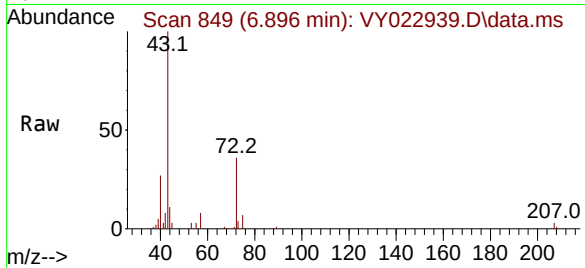




#25
2-Butanone
Concen: 18.957 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

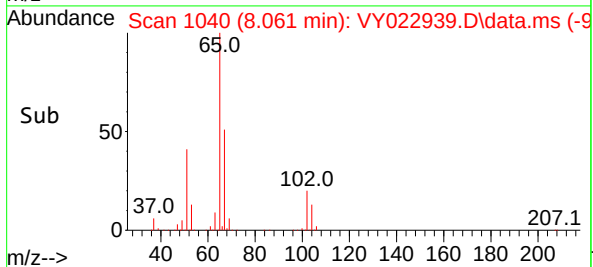
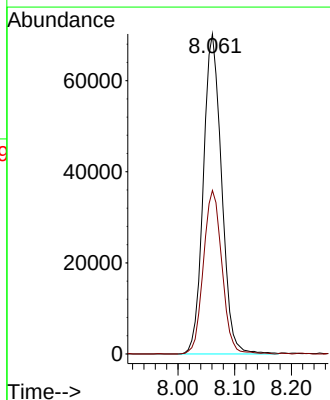
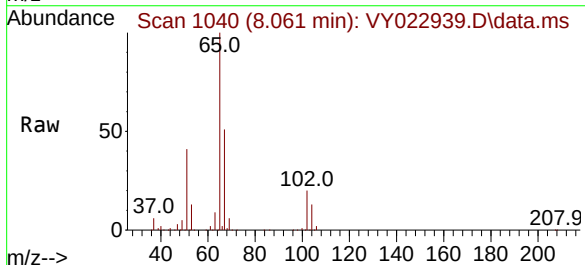
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

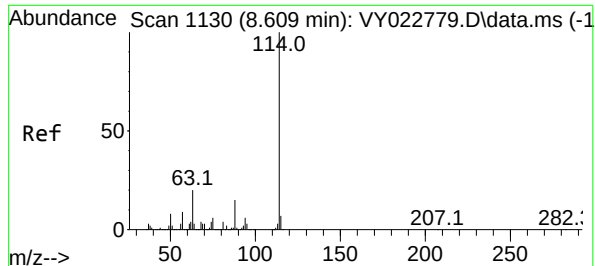
Tgt Ion: 43 Resp: 15608
Ion Ratio Lower Upper
43 100
72 35.7 22.9 34.3#



#33
1,2-Dichloroethane-d4
Concen: 52.563 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 65 Resp: 157321
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

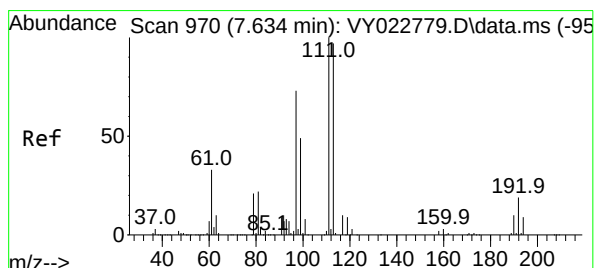
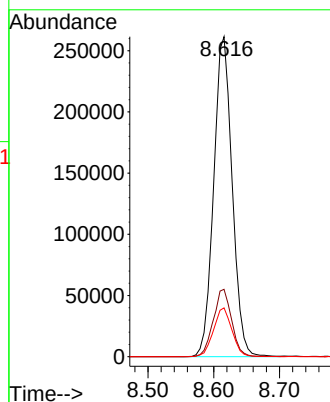
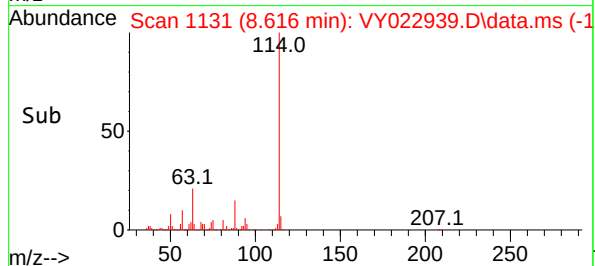
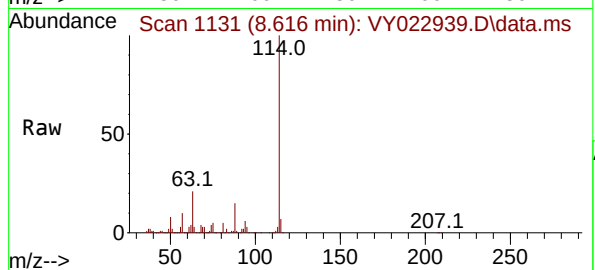
Tgt Ion:114 Resp: 511702

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.049 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

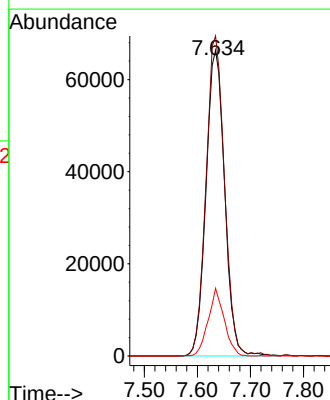
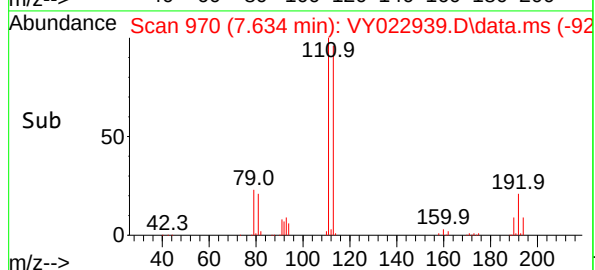
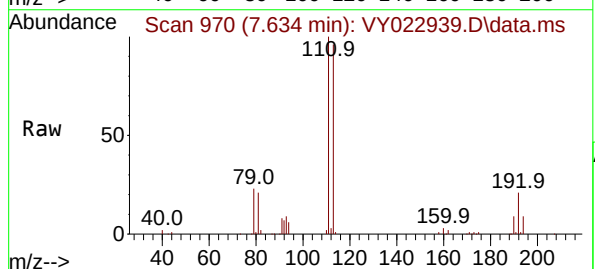
Tgt Ion:113 Resp: 161972

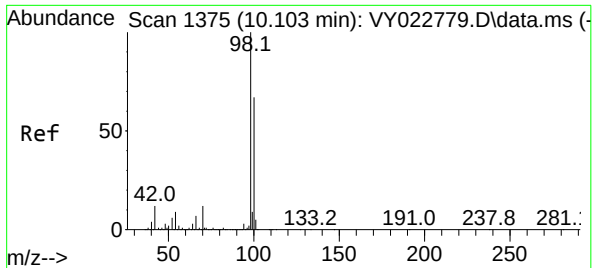
Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 19.2 14.2 21.2

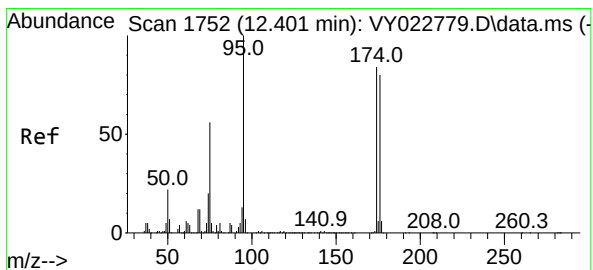
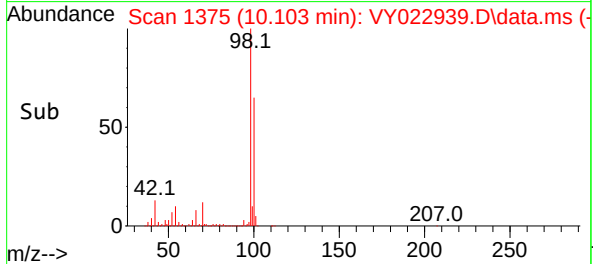
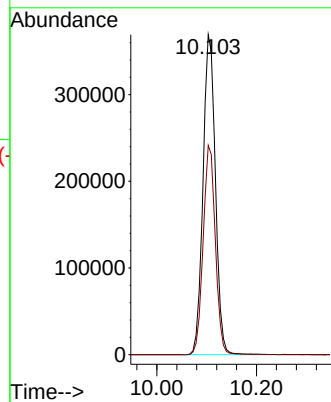
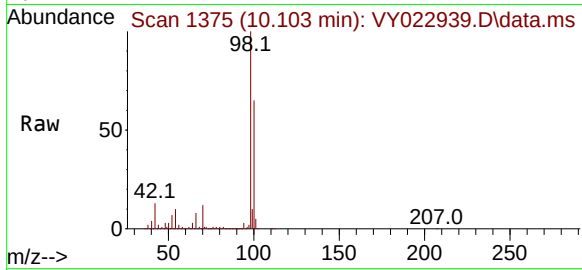




#50
Toluene-d8
Concen: 51.529 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

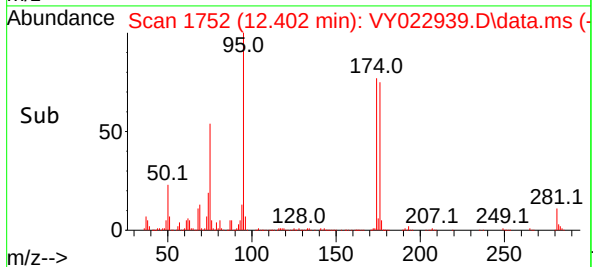
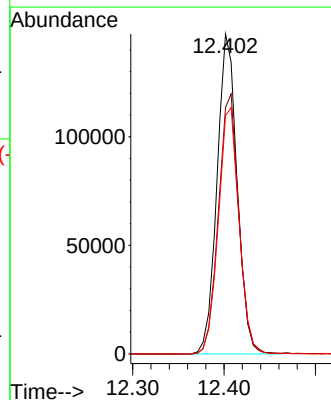
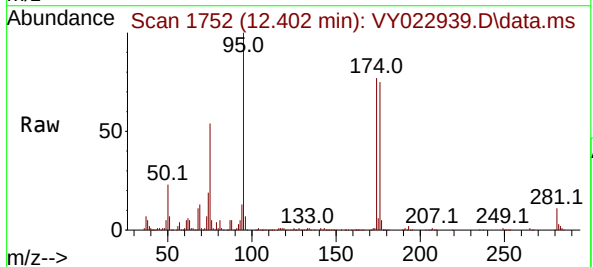
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

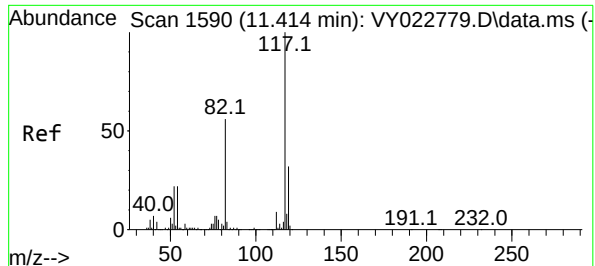
Tgt Ion: 98 Resp: 636307
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 56.697 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 95 Resp: 225067
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.0
176 79.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

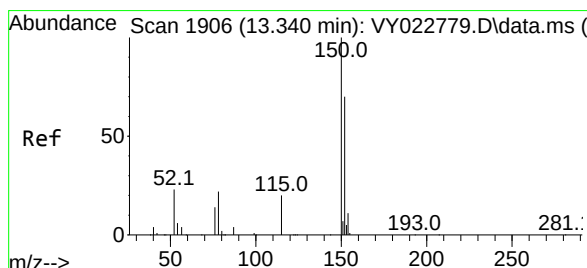
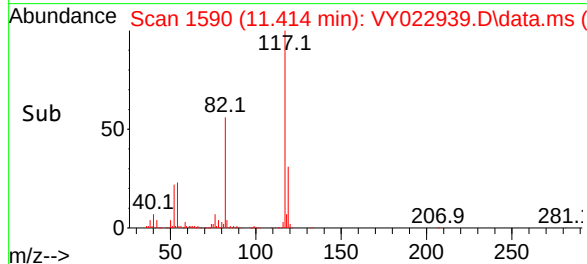
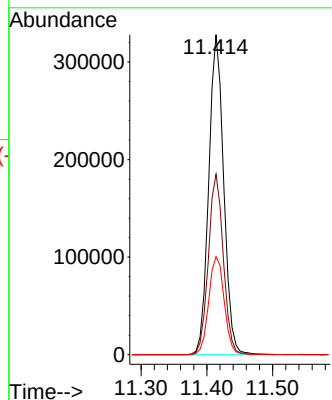
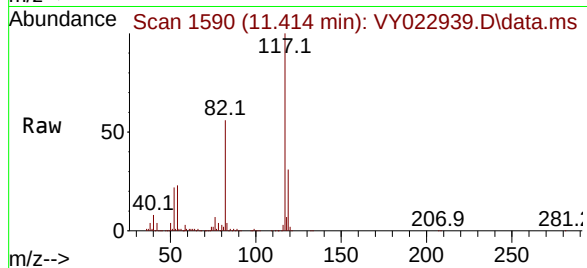
Tgt Ion:117 Resp: 518609

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 30.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

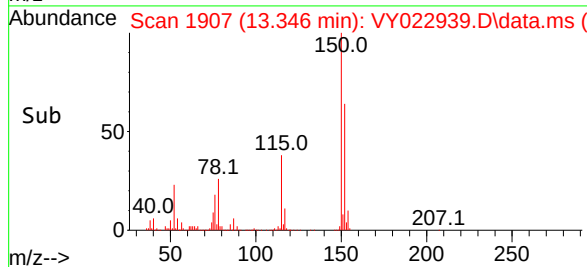
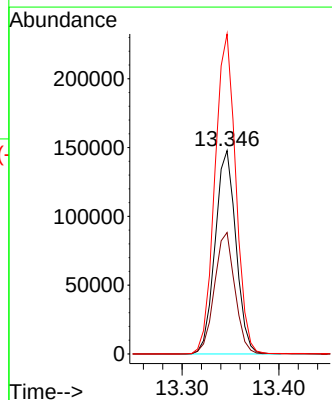
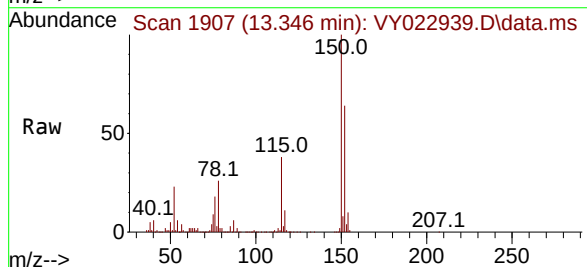
Tgt Ion:152 Resp: 221137

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 157.5 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022939.D
 Acq On : 03 Jul 2025 13:50
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022939.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	59	rBV4	9675	18389	1.08%	0.192%
2	2.172	71	74	82	rVB3	13217	23063	1.35%	0.241%
3	2.336	97	101	109	rVB	27515	45673	2.68%	0.476%
4	2.635	148	150	159	rVB2	13707	22853	1.34%	0.238%
5	3.879	343	354	362	rBV2	22805	65846	3.87%	0.687%
6	4.616	465	475	487	rBV4	19859	73838	4.34%	0.770%
7	6.896	842	849	858	rBV	8996	25764	1.51%	0.269%
8	7.634	959	970	976	rBV	229539	552172	32.44%	5.758%
9	7.707	976	982	997	rVB	359196	830280	48.77%	8.659%
10	8.061	1028	1040	1054	rBV2	198579	459239	26.98%	4.789%
11	8.616	1122	1131	1147	rBV	621717	1234209	72.50%	12.871%
12	10.103	1368	1375	1384	rBV	993766	1702387	100.00%	17.754%
13	11.414	1582	1590	1601	rBV	1026484	1646978	96.75%	17.176%
14	12.408	1744	1753	1762	rBV2	818709	1444907	84.88%	15.069%
15	13.346	1888	1907	1914	rBV	925289	1443247	84.78%	15.051%

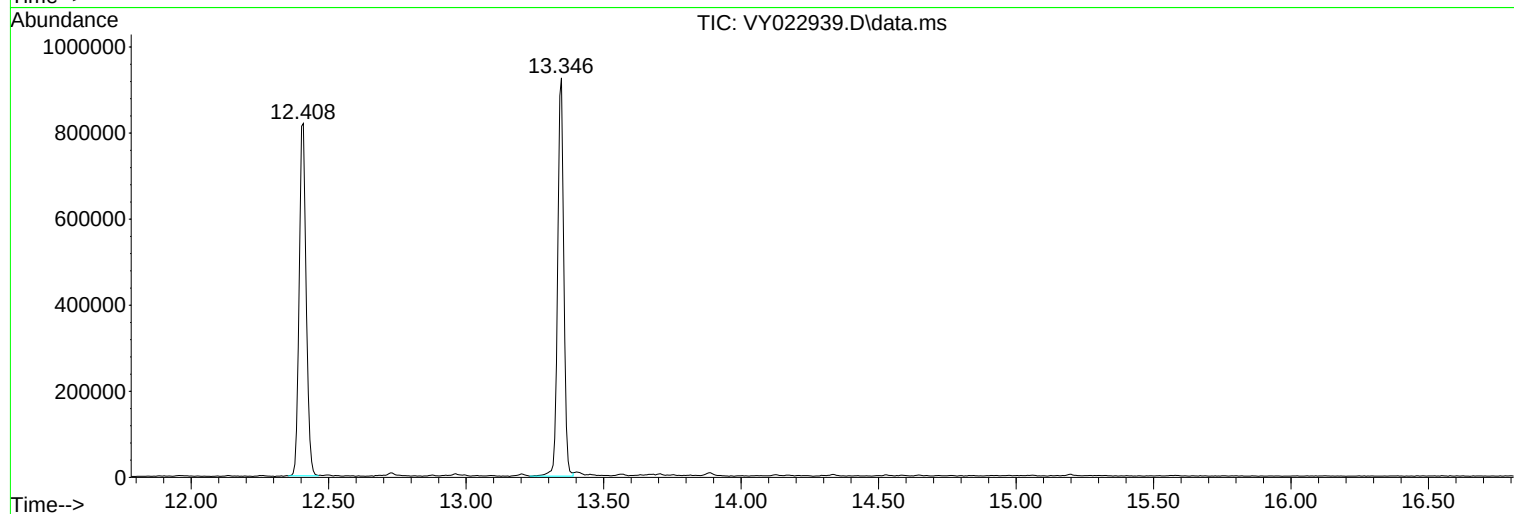
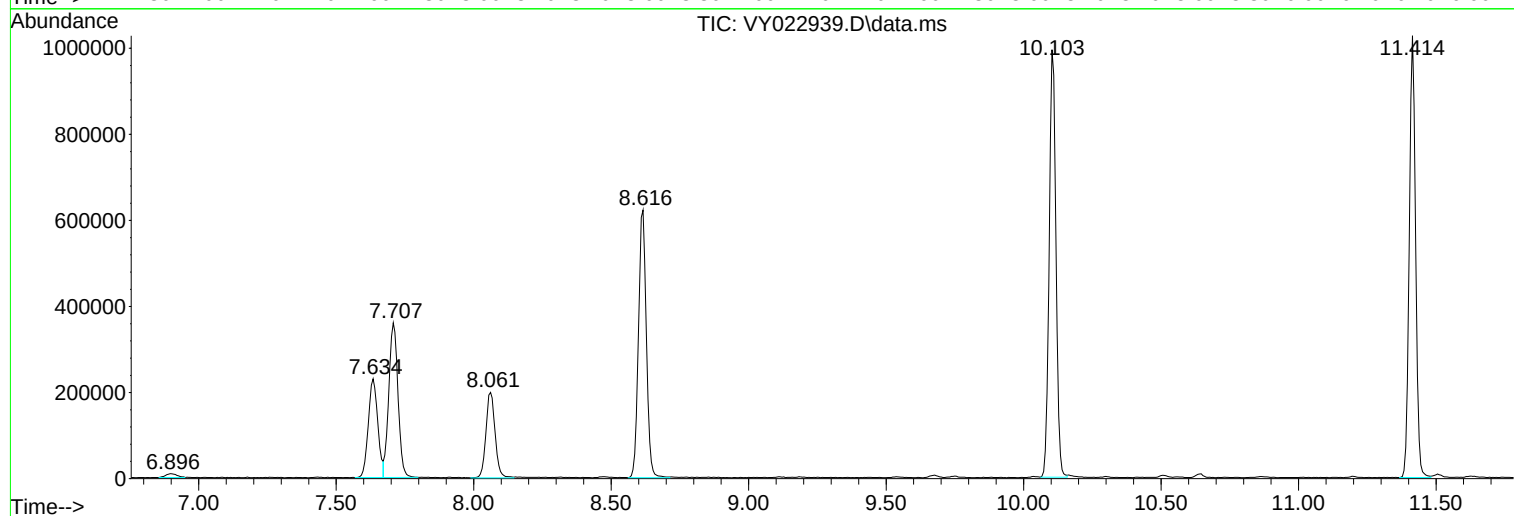
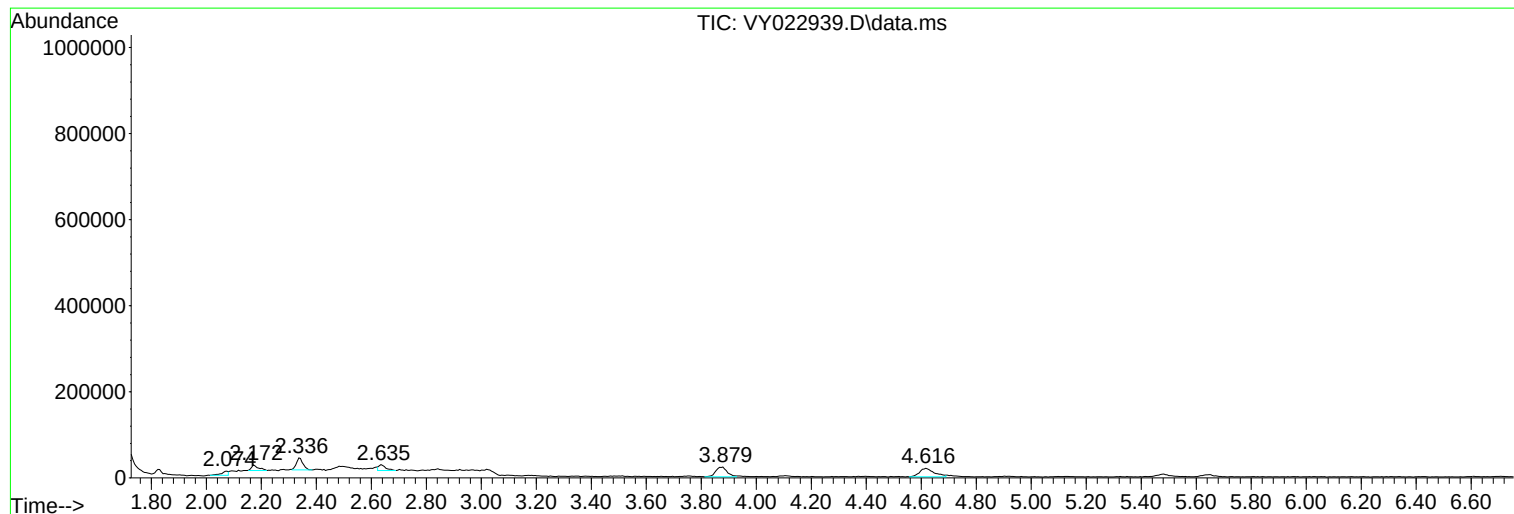
Sum of corrected areas: 9588845

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022939.D
Acq On : 03 Jul 2025 13:50
Operator : SY/MD
Sample : Q2487-02
Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022939.D
Acq On : 03 Jul 2025 13:50
Operator : SY/MD
Sample : Q2487-02
Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022939.D
Acq On : 03 Jul 2025 13:50
Operator : SY/MD
Sample : Q2487-02
Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	58.4
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022940.D	1	07/03/25 14:13	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	7.00	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	7.00	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.00	ug/Kg
74-83-9	Bromomethane	1.50	U	1.50	7.00	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.70	U	1.70	7.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	7.00	ug/Kg
67-64-1	Acetone	150		6.60	34.9	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	7.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	7.00	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	7.00	ug/Kg
75-09-2	Methylene Chloride	4.90	U	4.90	13.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	7.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	7.00	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.00	ug/Kg
78-93-3	2-Butanone	36.5		9.10	34.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.00	U	1.00	7.00	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	7.00	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.00	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.00	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.00	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	7.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.00	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	34.9	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	58.4
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022940.D	1	07/03/25 14:13	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.91	U	0.91	7.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.86	U	0.86	7.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.00	ug/Kg
591-78-6	2-Hexanone	5.10	U	5.10	34.9	ug/Kg
124-48-1	Dibromochloromethane	1.20	U	1.20	7.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.00	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.00	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.00	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	7.00	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	13.9	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	7.00	ug/Kg
100-42-5	Styrene	0.99	U	0.99	7.00	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.00	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	2.40	7.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	2.20	7.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	2.00	7.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	2.60	7.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	4.10	7.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.40	U	4.40	7.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.6		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	473000	8.61			
3114-55-4	Chlorobenzene-d5	461000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	196000	13.341			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	58.4
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022940.D	1	07/03/25 14:13	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070325\
 Data File : VY022940.D
 Acq On : 03 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2487-03
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Quant Time: Jul 07 08:22:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

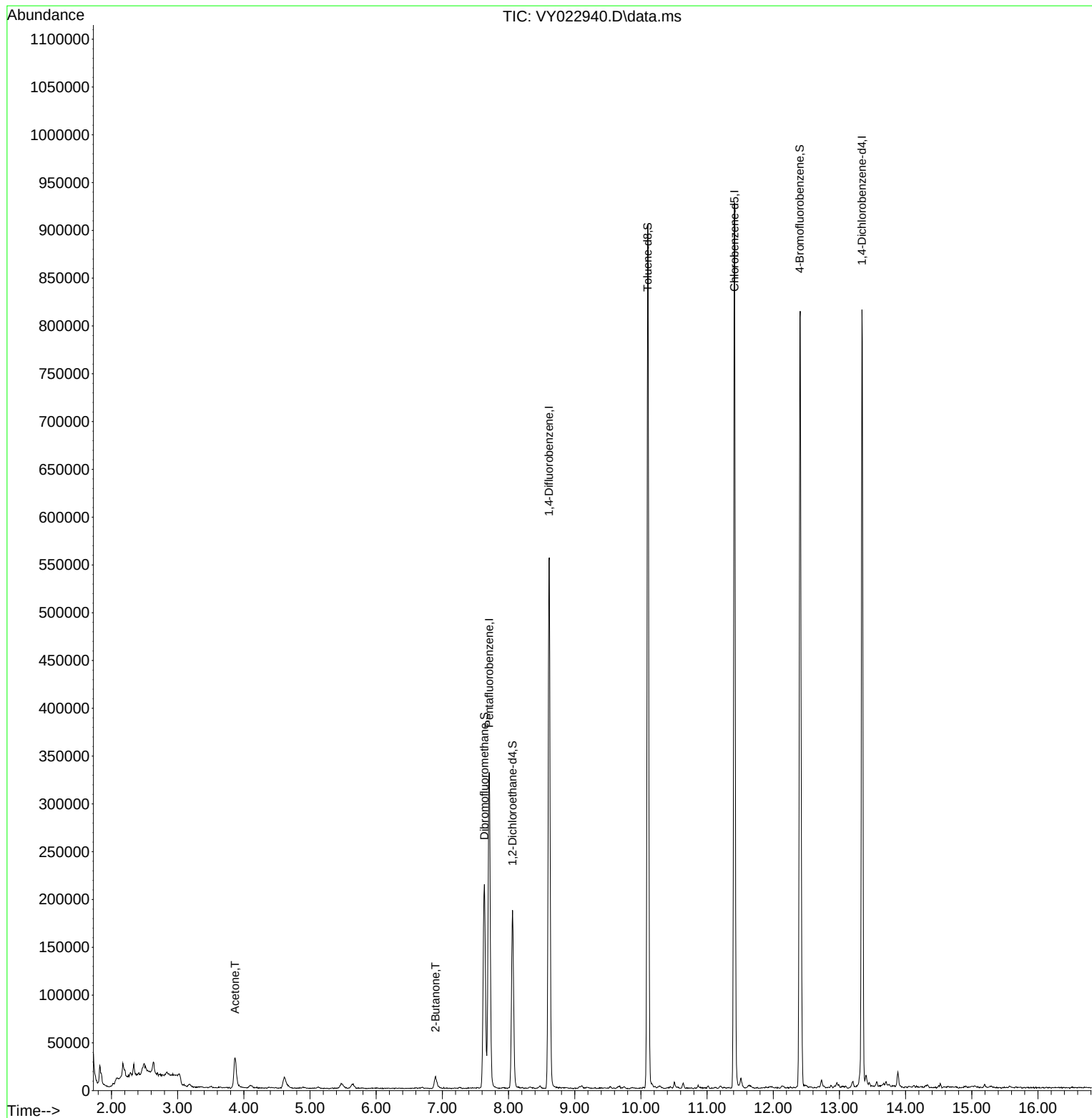
Internal Standards						
1) Pentafluorobenzene	7.707	168	248522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	472611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	196307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148315	53.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.634	113	153843	53.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.060%	
50) Toluene-d8	10.103	98	577298	50.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.402	95	200658	54.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.460%	
Target Compounds						Qvalue
16) Acetone	3.867	43	56181	107.162	ug/l	97
25) 2-Butanone	6.897	43	19980	26.185	ug/l #	89

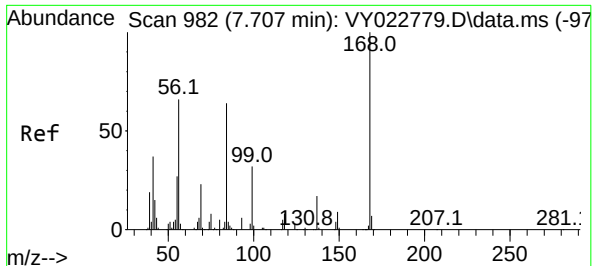
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022940.D
Acq On : 03 Jul 2025 14:13
Operator : SY/MD
Sample : Q2487-03
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

Quant Time: Jul 07 08:22:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

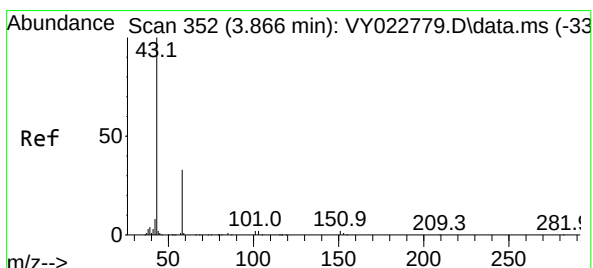
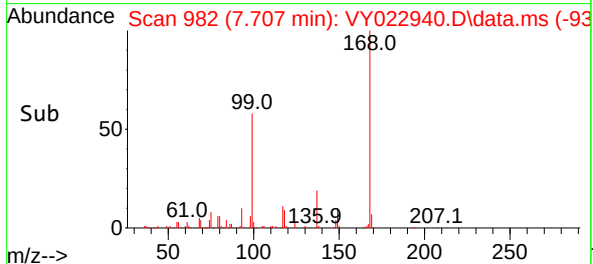
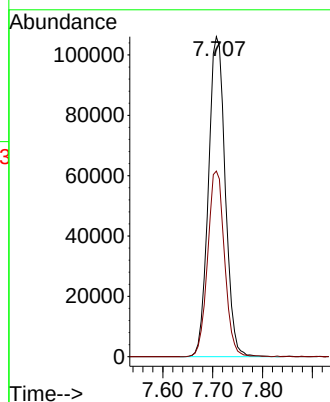
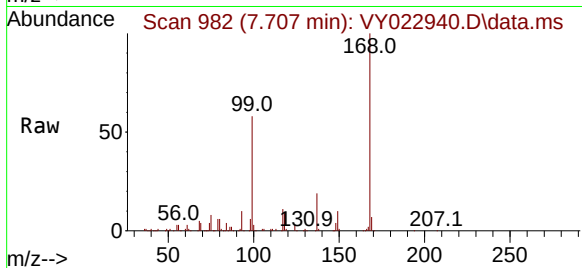




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

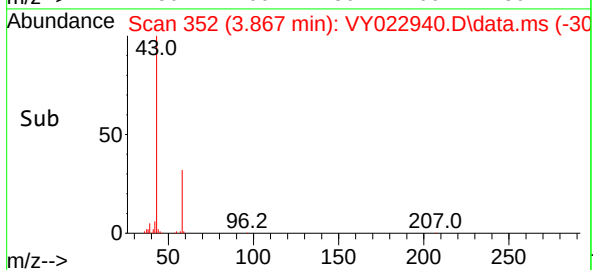
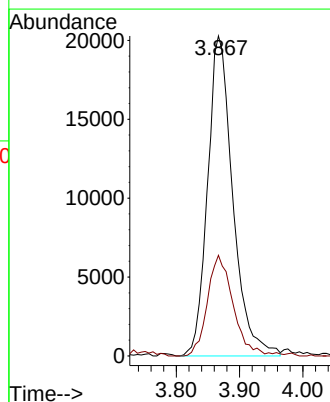
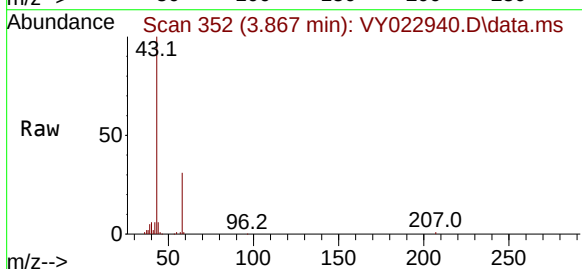
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

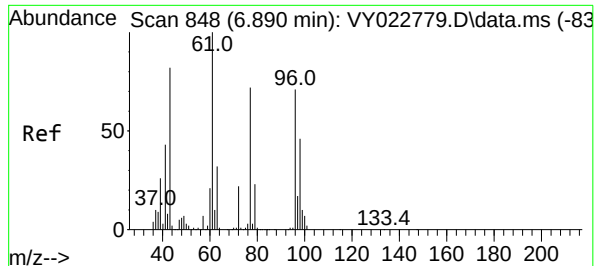
Tgt Ion:168 Resp: 248522
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#16
Acetone
Concen: 107.162 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 43 Resp: 56181
Ion Ratio Lower Upper
43 100
58 31.4 24.0 36.0





#25

2-Butanone

Concen: 26.185 ug/l

RT: 6.897 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

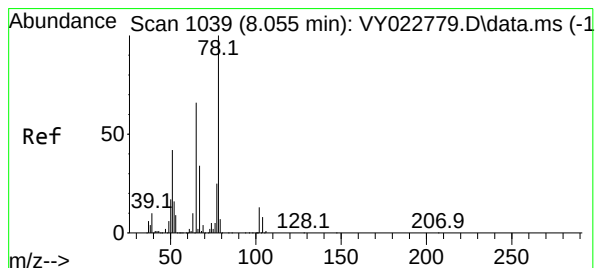
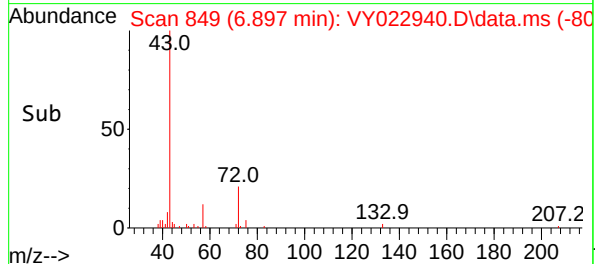
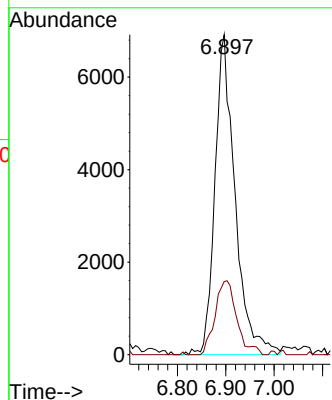
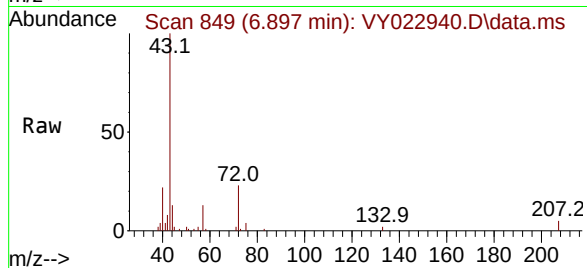
G3(9)

Tgt Ion: 43 Resp: 19980

Ion Ratio Lower Upper

43 100

72 22.9 22.9 34.3#



#33

1,2-Dichloroethane-d4

Concen: 53.471 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022940.D

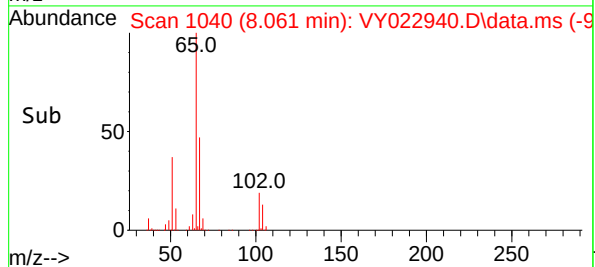
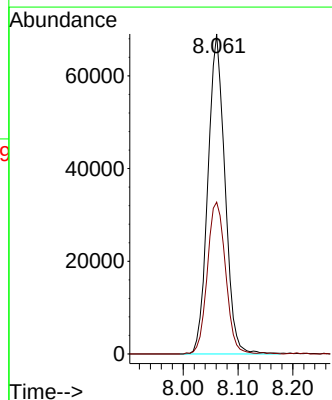
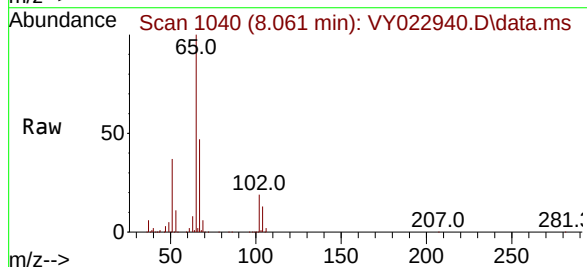
Acq: 03 Jul 2025 14:13

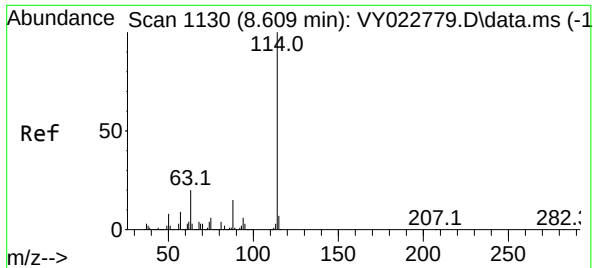
Tgt Ion: 65 Resp: 148315

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

G3(9)

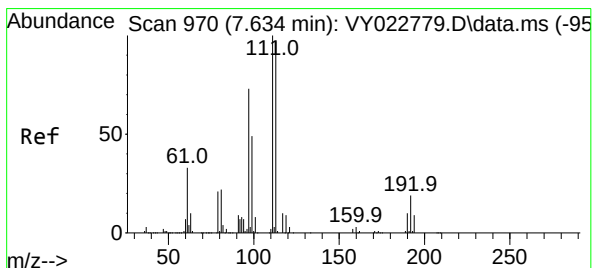
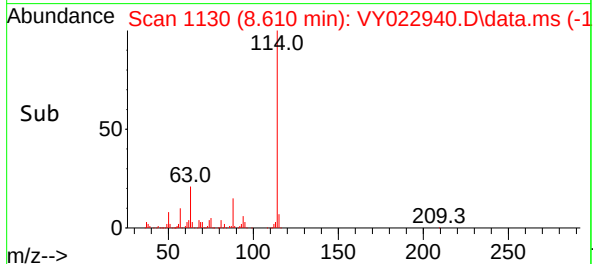
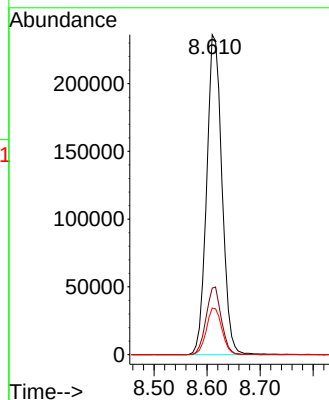
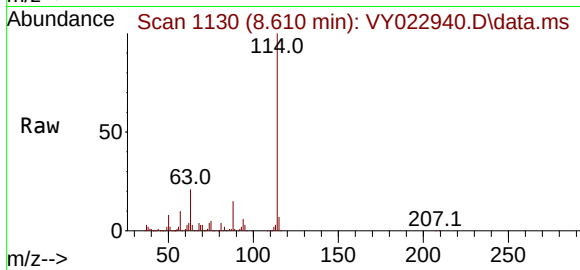
Tgt Ion:114 Resp: 472611

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.526 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

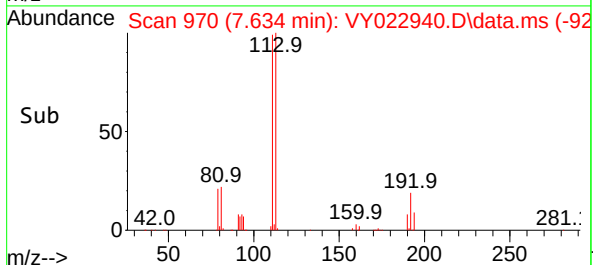
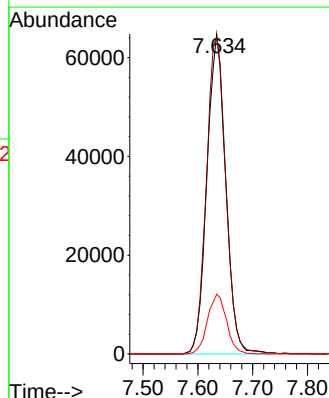
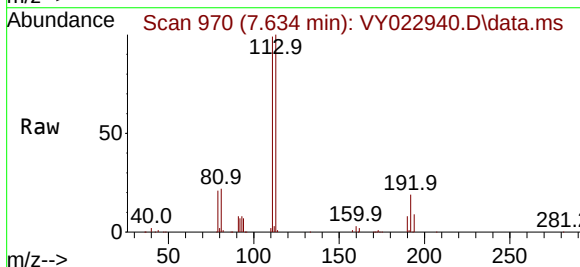
Tgt Ion:113 Resp: 153843

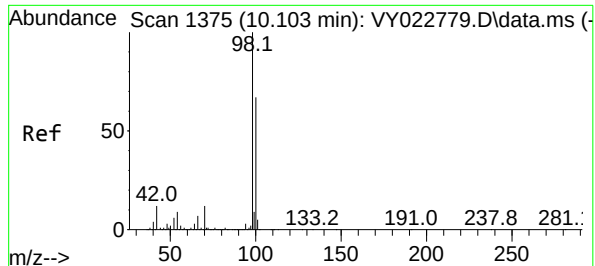
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 18.9 14.2 21.2





#50

Toluene-d8

Concen: 50.617 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

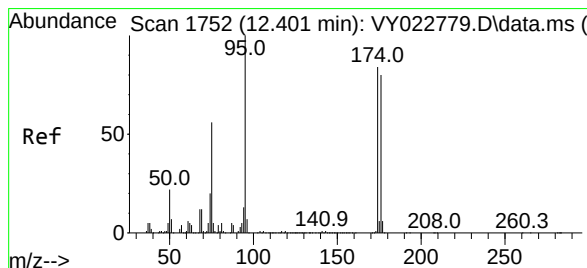
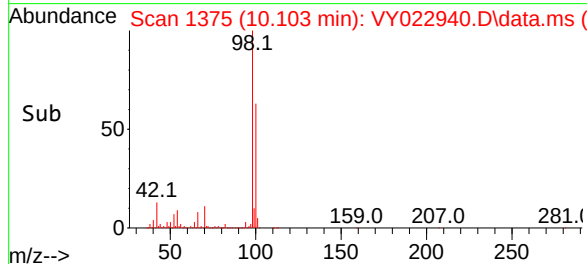
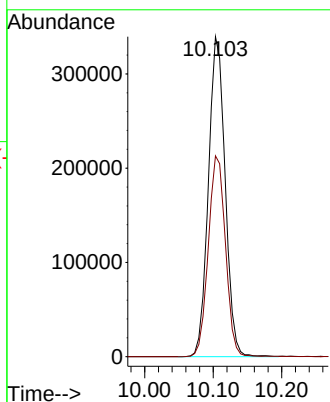
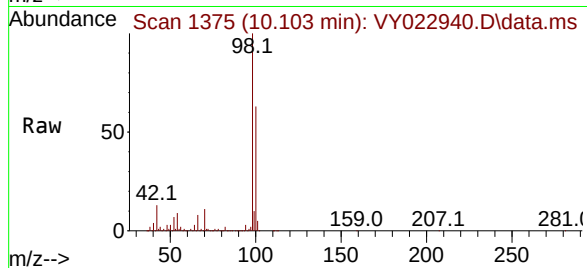
G3(9)

Tgt Ion: 98 Resp: 577298

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 54.729 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

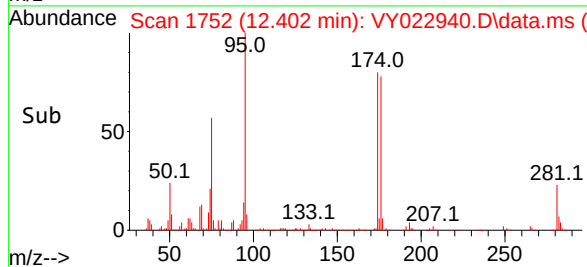
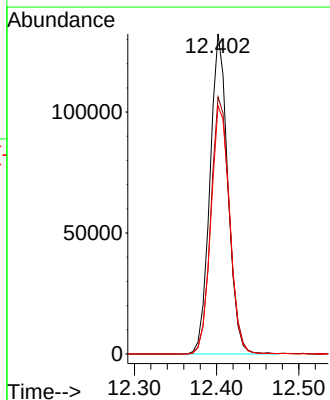
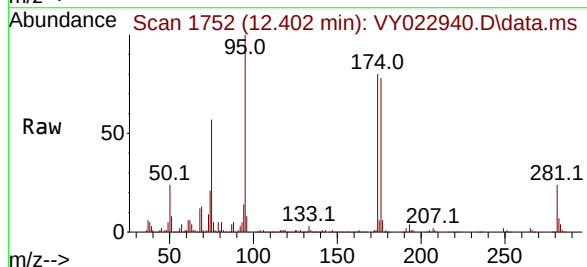
Tgt Ion: 95 Resp: 200658

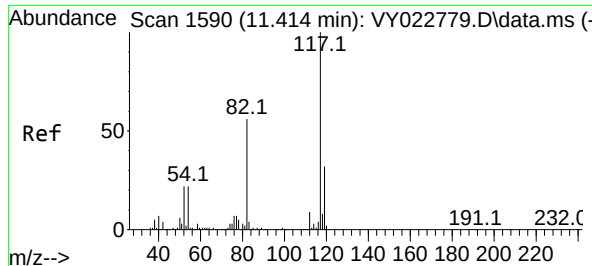
Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.0

176 81.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

G3(9)

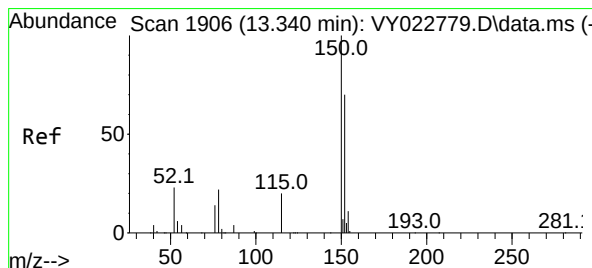
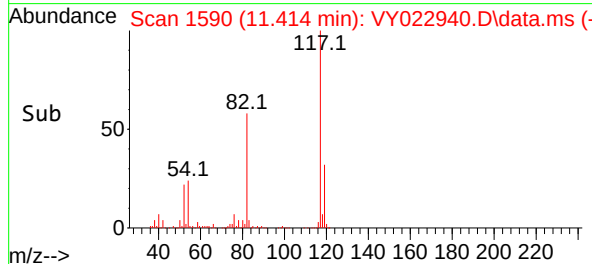
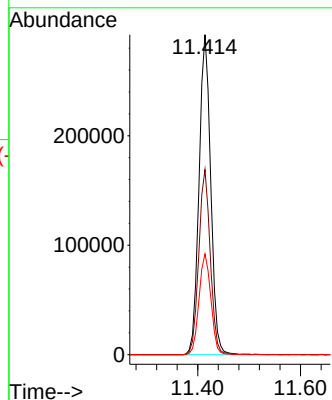
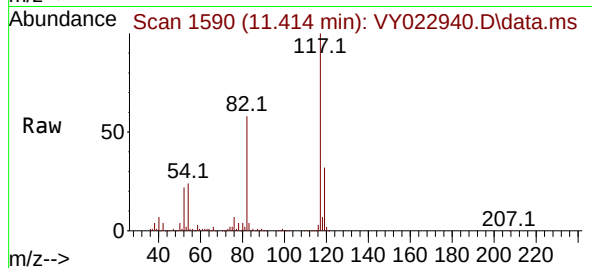
Tgt Ion:117 Resp: 460662

Ion Ratio Lower Upper

117 100

82 57.8 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

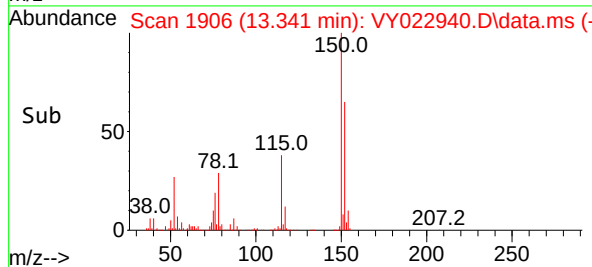
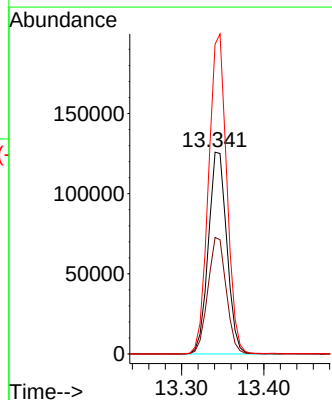
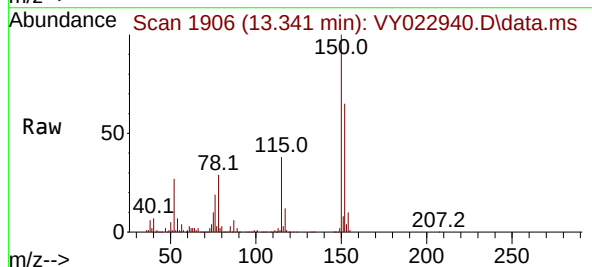
Tgt Ion:152 Resp: 196307

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 156.5 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022940.D
 Acq On : 03 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2487-03
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022940.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV2	17374	26604	1.71%	0.296%
2	2.172	70	74	82	rBV2	13344	25799	1.66%	0.287%
3	2.495	118	127	129	rBV6	11459	29174	1.88%	0.325%
4	2.635	146	150	156	rVB2	11938	21718	1.40%	0.242%
5	3.867	341	352	361	rBV	31877	91155	5.86%	1.014%
6	4.610	466	474	483	rBV4	11693	39041	2.51%	0.434%
7	6.897	841	849	856	rBV2	12301	32149	2.07%	0.358%
8	7.634	957	970	976	rBV	213214	519099	33.39%	5.775%
9	7.707	976	982	996	rVB	329470	762202	49.02%	8.479%
10	8.061	1032	1040	1053	rBV	185645	411641	26.48%	4.579%
11	8.616	1122	1131	1144	rBV	555323	1132894	72.87%	12.603%
12	10.103	1367	1375	1384	rBV	903249	1554760	100.00%	17.296%
13	11.414	1582	1590	1601	rBV	926359	1478580	95.10%	16.449%
14	11.512	1601	1606	1616	rVB5	10405	23002	1.48%	0.256%
15	12.408	1745	1753	1761	rBV2	811137	1515305	97.46%	16.857%
16	13.341	1891	1906	1913	rBV	813388	1281994	82.46%	14.262%
17	13.401	1913	1916	1922	rVB5	9691	16608	1.07%	0.185%
18	13.883	1988	1995	2001	rBV	15351	27329	1.76%	0.304%

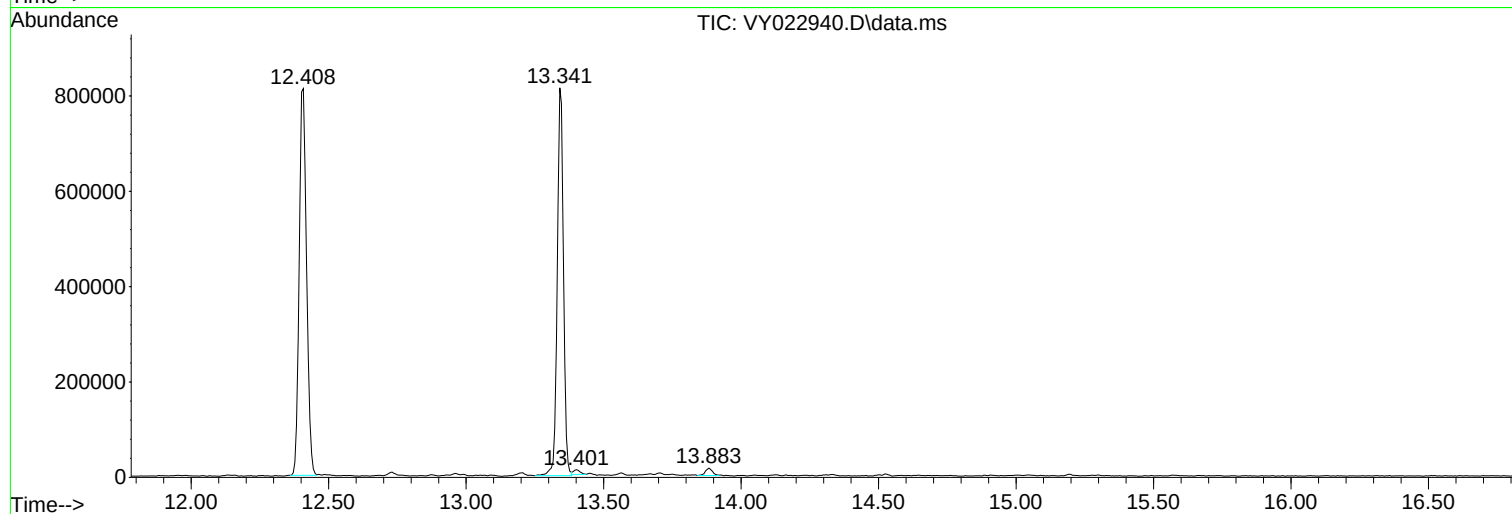
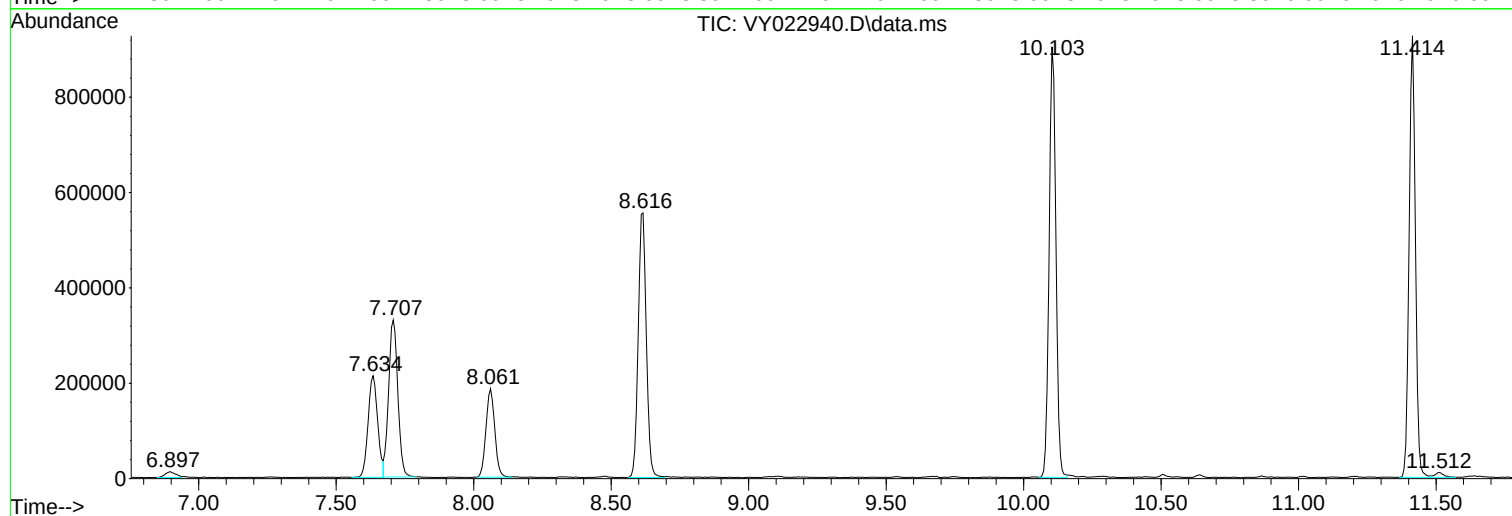
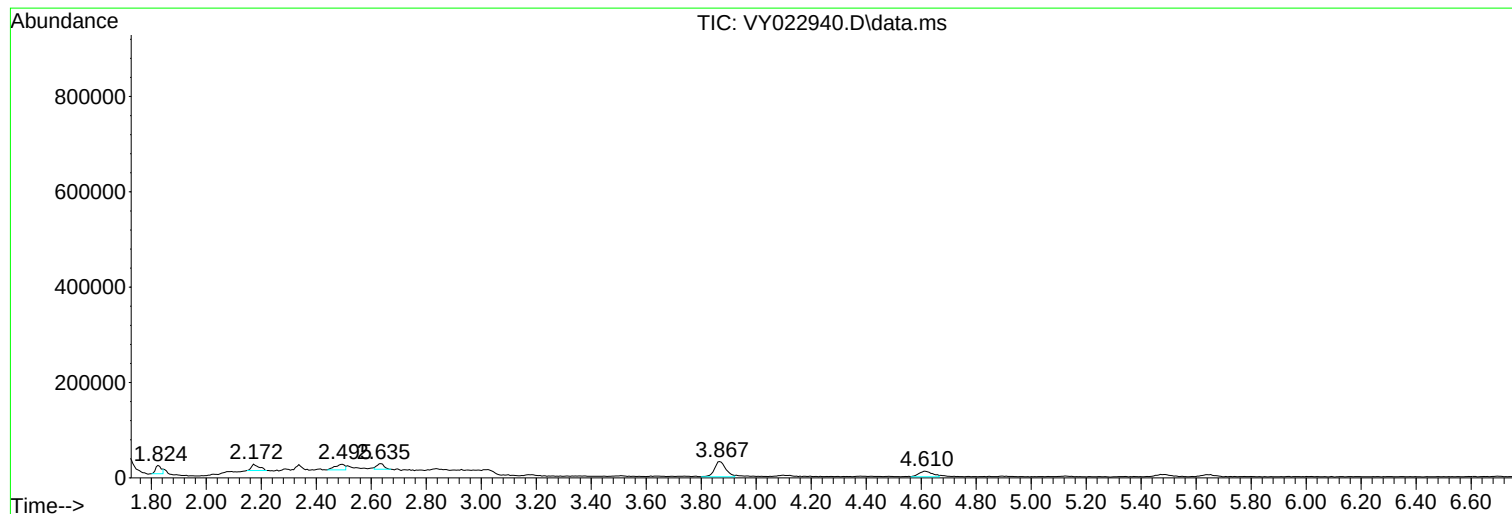
Sum of corrected areas: 8989054

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022940.D
Acq On : 03 Jul 2025 14:13
Operator : SY/MD
Sample : Q2487-03
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022940.D
Acq On : 03 Jul 2025 14:13
Operator : SY/MD
Sample : Q2487-03
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022940.D
Acq On : 03 Jul 2025 14:13
Operator : SY/MD
Sample : Q2487-03
Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G3(3)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.4	
Sample Wt/Vol:	5.77	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022941.D	1	07/03/25 14:36	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.80	ug/Kg
67-64-1	Acetone	4.60	U	4.60	24.2	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.71	U	0.71	4.80	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.78	U	0.78	4.80	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	4.80	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	24.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.73	U	0.73	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.88	U	0.88	4.80	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.77	U	0.77	4.80	ug/Kg
79-01-6	Trichloroethene	0.79	U	0.79	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.88	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.76	U	0.76	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.2	ug/Kg
108-88-3	Toluene	0.76	U	0.76	4.80	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(3)	SDG No.:	Q2487
Lab Sample ID:	Q2487-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.4
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022941.D	1	07/03/25 14:36	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.2	ug/Kg
124-48-1	Dibromochloromethane	0.84	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.70	ug/Kg
95-47-6	o-Xylene	0.79	U	0.79	4.80	ug/Kg
100-42-5	Styrene	0.69	U	0.69	4.80	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293000	7.707			
540-36-3	1,4-Difluorobenzene	553000	8.616			
3114-55-4	Chlorobenzene-d5	524000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(3)	SDG No.:	Q2487
Lab Sample ID:	Q2487-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.4
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022941.D	1	07/03/25 14:36	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070325\
 Data File : VY022941.D
 Acq On : 03 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

Quant Time: Jul 07 08:22:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	293406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206599	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160756	49.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.180%
35) Dibromofluoromethane	7.634	113	170721	50.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.103	98	674231	50.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.402	95	218285	50.865	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.720%

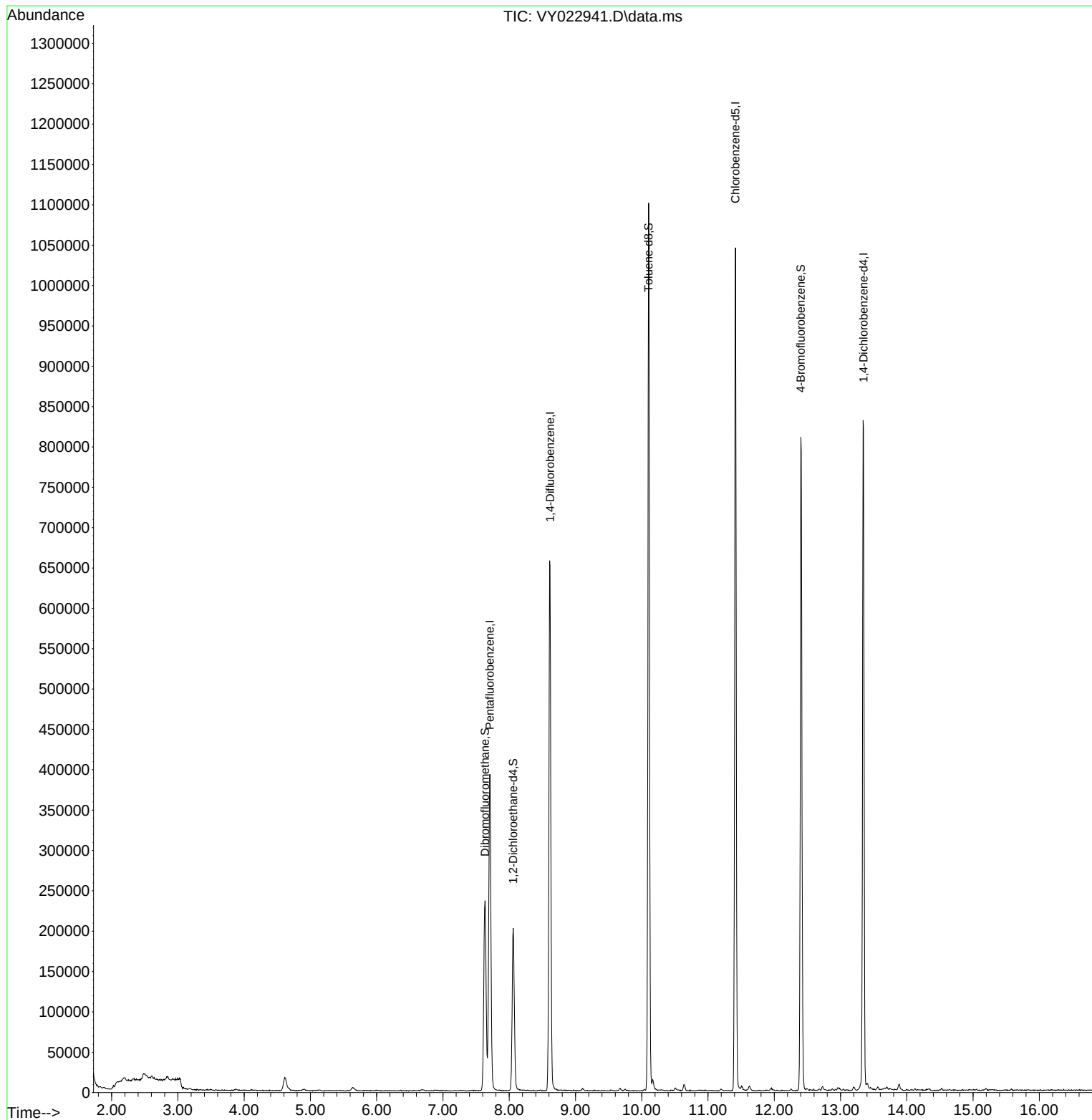
Target Compounds	Qvalue

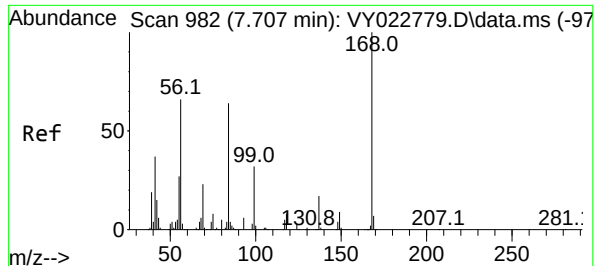
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022941.D
Acq On : 03 Jul 2025 14:36
Operator : SY/MD
Sample : Q2487-04
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Quant Time: Jul 07 08:22:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

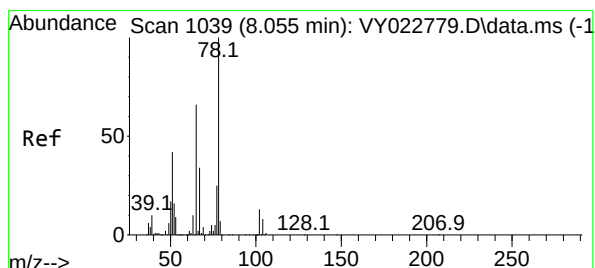
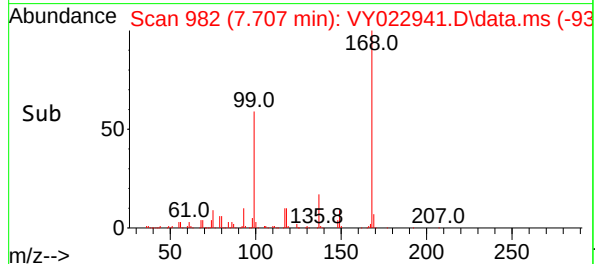
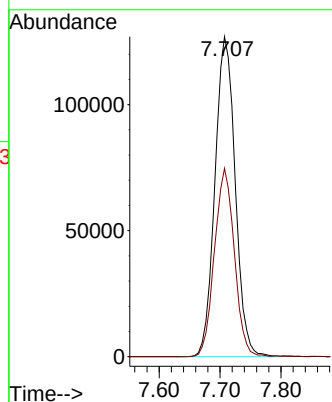
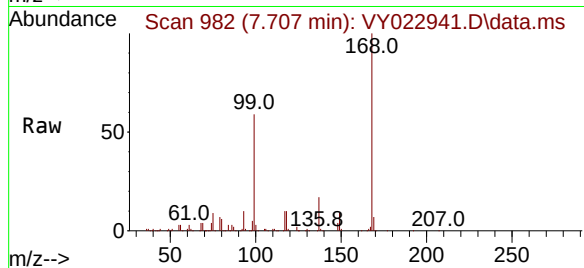




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

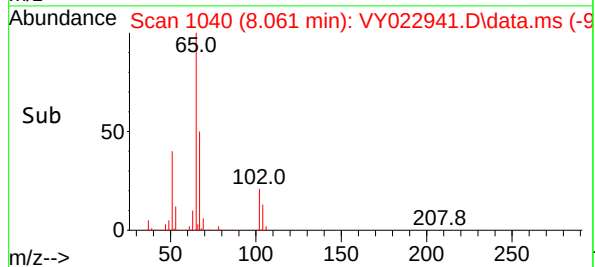
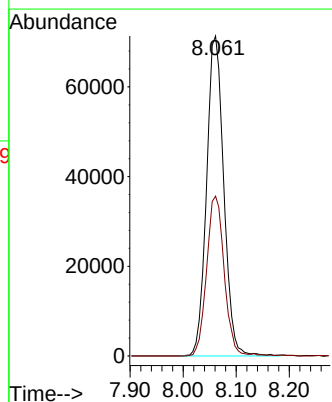
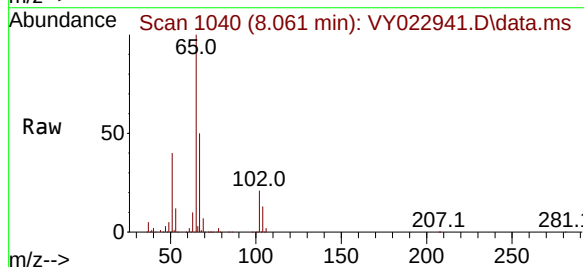
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

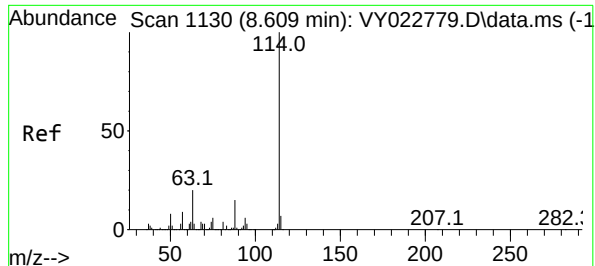
Tgt Ion:168 Resp: 293406
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.090 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 65 Resp: 160756
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

G3(3)

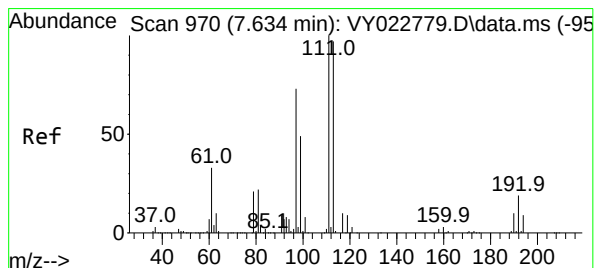
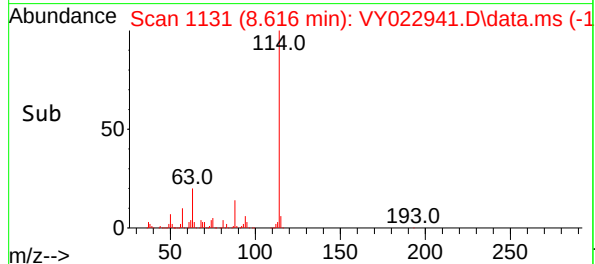
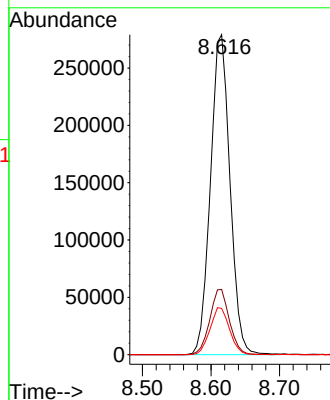
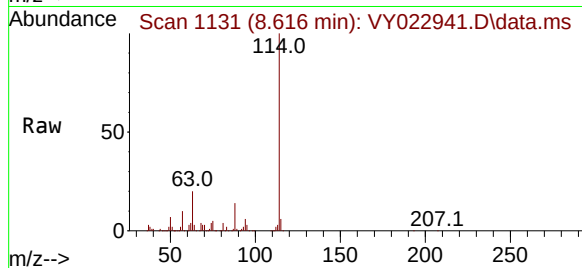
Tgt Ion:114 Resp: 553186

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.746 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

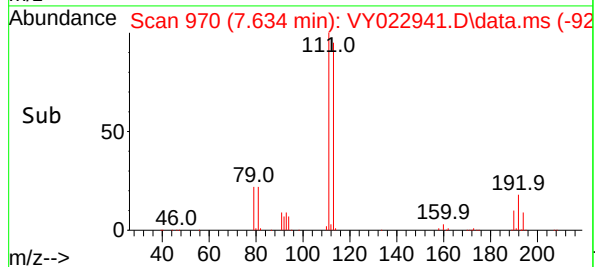
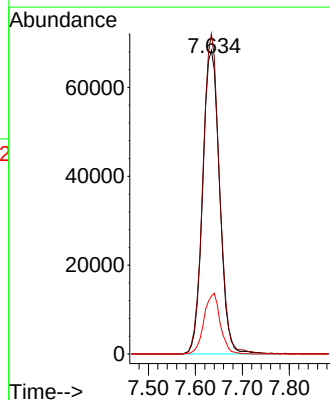
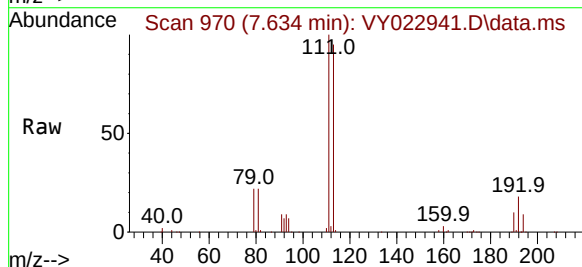
Tgt Ion:113 Resp: 170721

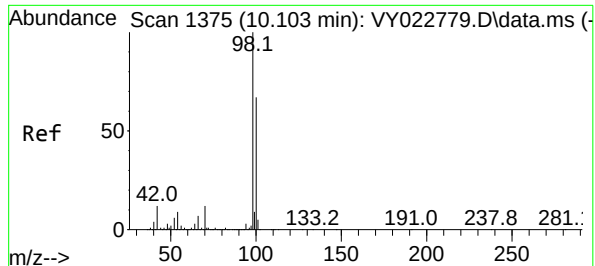
Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

192 19.2 14.2 21.2





#50

Toluene-d8

Concen: 50.505 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

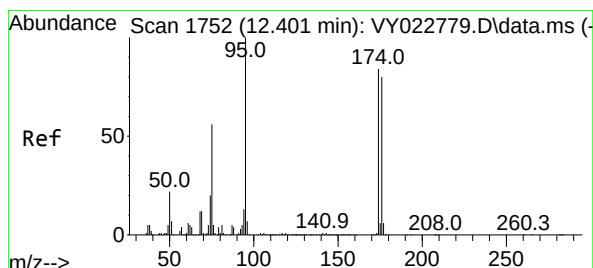
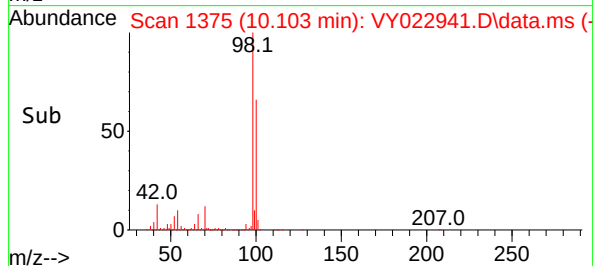
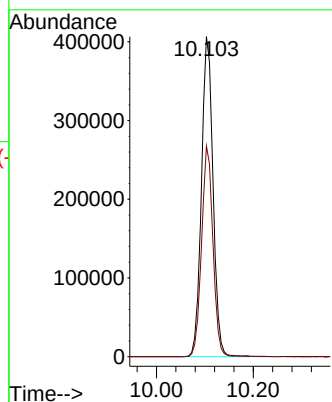
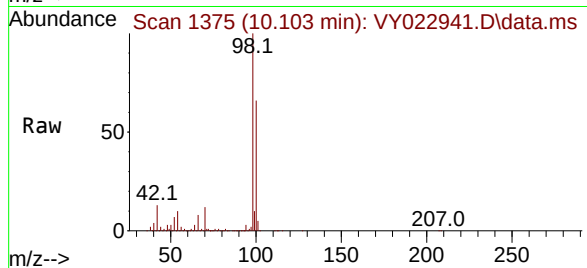
G3(3)

Tgt Ion: 98 Resp: 674231

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 50.865 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

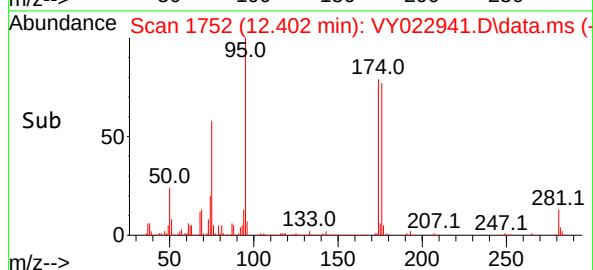
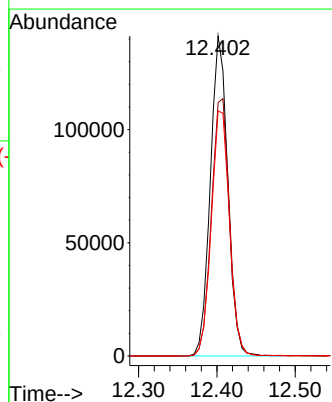
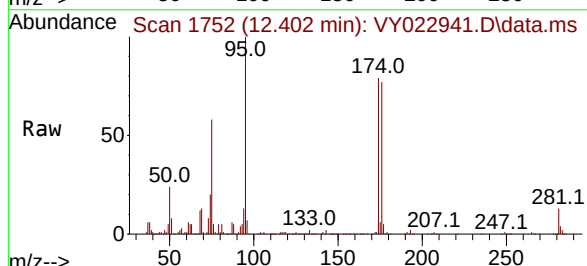
Tgt Ion: 95 Resp: 218285

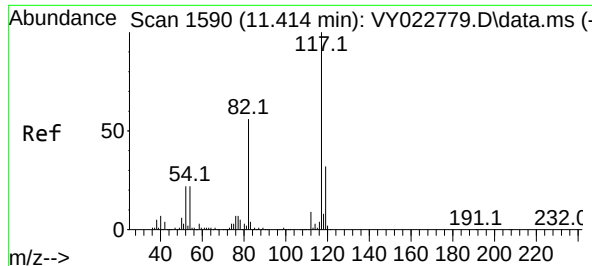
Ion Ratio Lower Upper

95 100

174 84.0 0.0 170.0

176 79.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

G3(3)

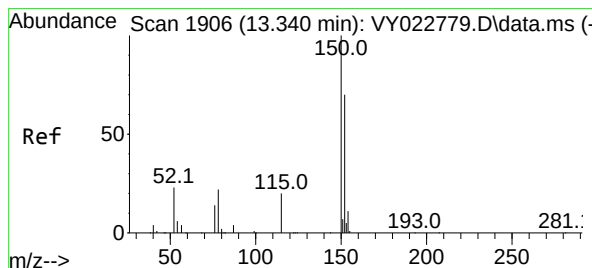
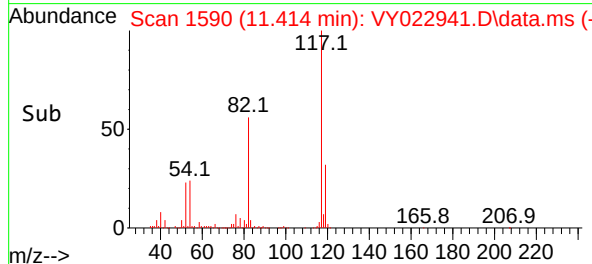
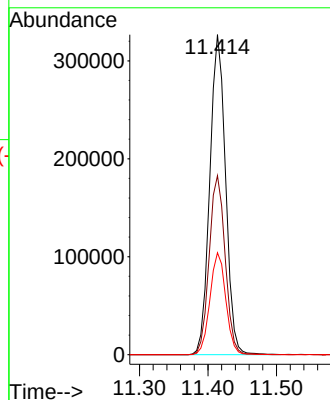
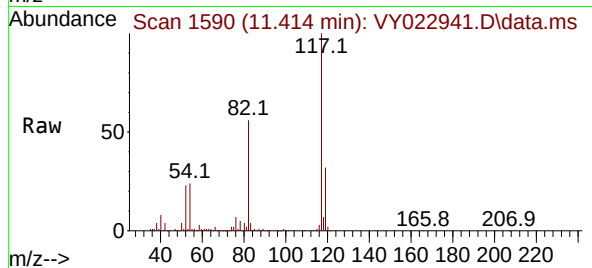
Tgt Ion:117 Resp: 524066

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022941.D

Acq: 03 Jul 2025 14:36

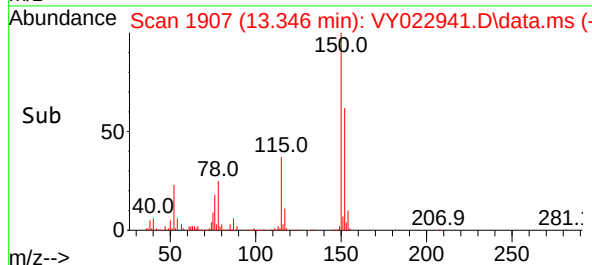
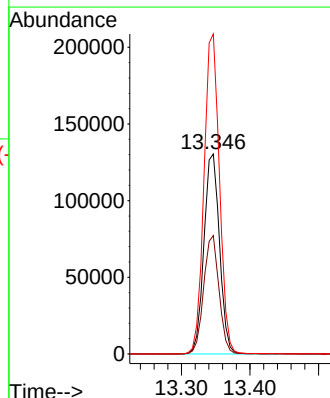
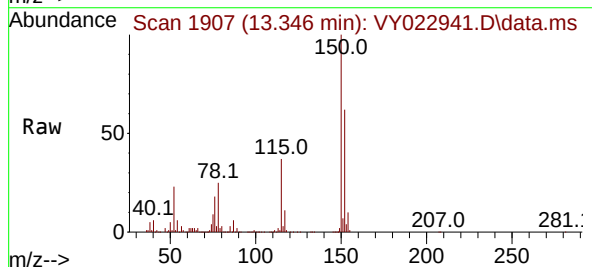
Tgt Ion:152 Resp: 206599

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 158.4 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022941.D
 Acq On : 03 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022941.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	52	61	63	rBV2	6484	18180	1.00%	0.188%
2	4.610	463	474	488	rBV3	16757	61516	3.39%	0.638%
3	7.634	960	970	976	rBV2	235276	582123	32.12%	6.033%
4	7.707	976	982	997	rVB	391298	900039	49.66%	9.328%
5	8.061	1028	1040	1051	rBV	201399	459297	25.34%	4.760%
6	8.610	1121	1130	1143	rBV	656947	1320199	72.85%	13.683%
7	10.103	1368	1375	1383	rBV	1099217	1812278	100.00%	18.783%
8	10.164	1383	1385	1393	rVB	12434	20481	1.13%	0.212%
9	11.414	1582	1590	1602	rBV	1044758	1685253	92.99%	17.467%
10	12.402	1745	1752	1762	rBV2	808881	1420875	78.40%	14.727%
11	13.340	1891	1906	1913	rBV	830199	1347945	74.38%	13.971%
12	13.889	1988	1996	2006	rVB4	8040	20123	1.11%	0.209%

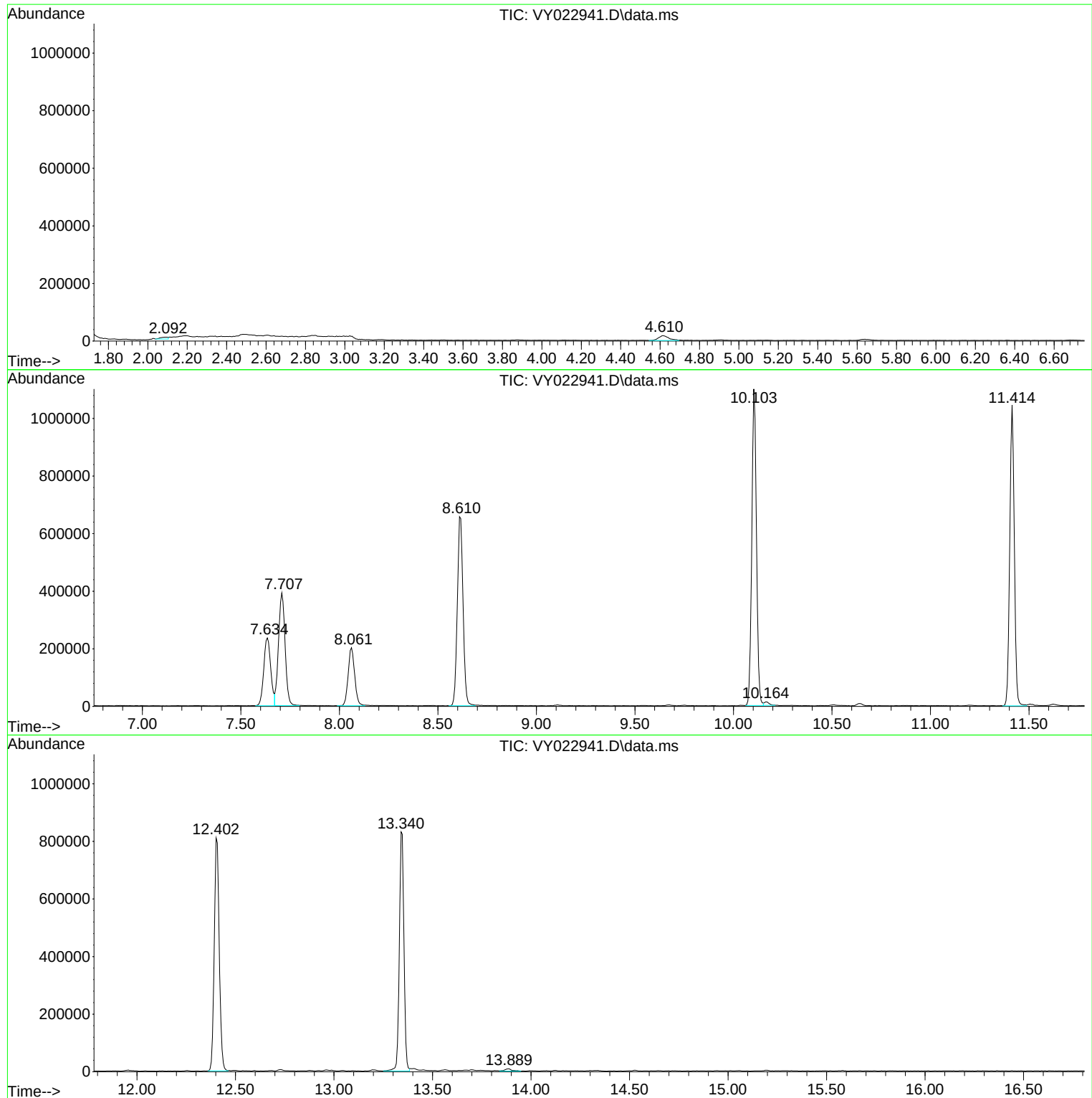
Sum of corrected areas: 9648309

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022941.D
Acq On : 03 Jul 2025 14:36
Operator : SY/MD
Sample : Q2487-04
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022941.D
Acq On : 03 Jul 2025 14:36
Operator : SY/MD
Sample : Q2487-04
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022941.D
Acq On : 03 Jul 2025 14:36
Operator : SY/MD
Sample : Q2487-04
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G2(2.5)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.1	
Sample Wt/Vol:	5.52	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022925.D	1	07/02/25 20:14	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.90	ug/Kg
67-64-1	Acetone	6.50	J	4.60	24.3	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.71	U	0.71	4.90	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.90	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.78	U	0.78	4.90	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	4.90	ug/Kg
78-93-3	2-Butanone	6.40	U	6.40	24.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.73	U	0.73	4.90	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.90	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.89	U	0.89	4.90	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.77	U	0.77	4.90	ug/Kg
79-01-6	Trichloroethene	0.79	U	0.79	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.76	U	0.76	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.3	ug/Kg
108-88-3	Toluene	0.76	U	0.76	4.90	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(2.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	5.52	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022925.D	1	07/02/25 20:14	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	4.90	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.3	ug/Kg
124-48-1	Dibromochloromethane	0.85	U	0.85	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.86	U	0.86	4.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	J	1.00	4.90	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.70	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	4.90	ug/Kg
100-42-5	Styrene	0.69	U	0.69	4.90	ug/Kg
75-25-2	Bromoform	0.84	U	0.84	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	46.0		74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	22.9		17 - 146	46%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	7.707			
540-36-3	1,4-Difluorobenzene	422000	8.616			
3114-55-4	Chlorobenzene-d5	262000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	52200	13.347			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(2.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	5.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022925.D	1	07/02/25 20:14	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070225\
 Data File : VY022925.D
 Acq On : 02 Jul 2025 20:14
 Operator : SY/MD
 Sample : Q2487-05
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)

Quant Time: Jul 03 02:28:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

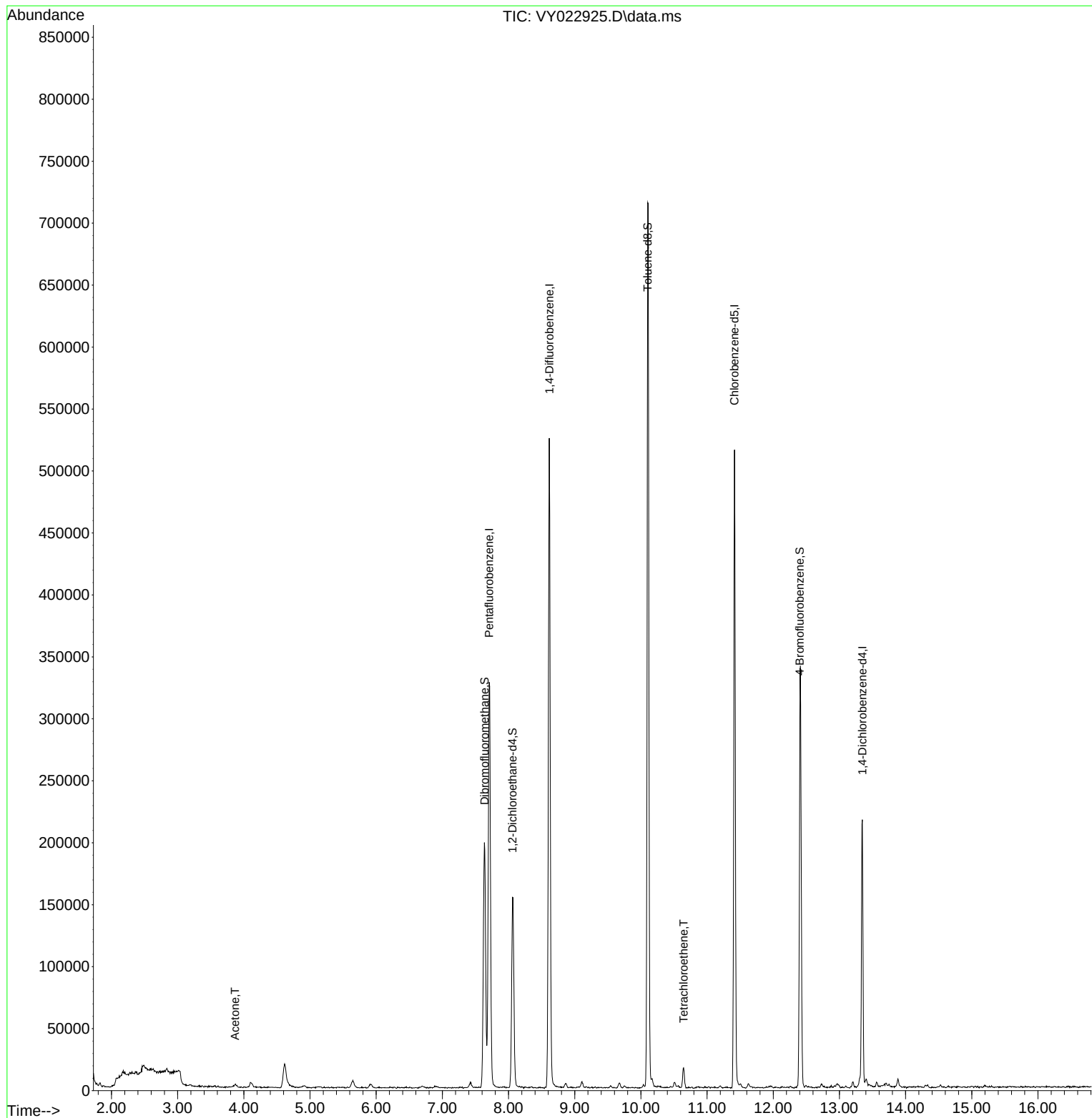
Internal Standards						
1) Pentafluorobenzene	7.707	168	250233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	52246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124281	44.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.000%
35) Dibromofluoromethane	7.640	113	141611	55.180	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.360%
50) Toluene-d8	10.103	98	468528	46.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.402	95	74808	22.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.700%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	3505	6.640	ug/l	90
64) Tetrachloroethene	10.646	164	2603	1.050	ug/l	93

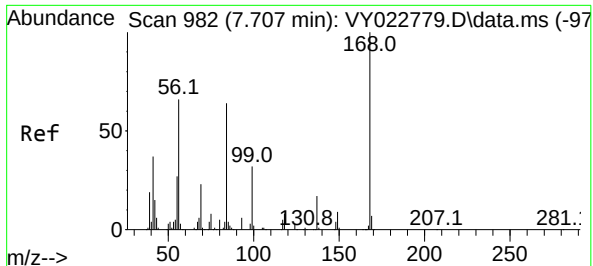
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022925.D
Acq On : 02 Jul 2025 20:14
Operator : SY/MD
Sample : Q2487-05
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

Quant Time: Jul 03 02:28:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

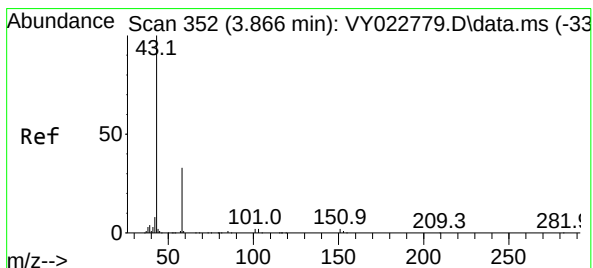
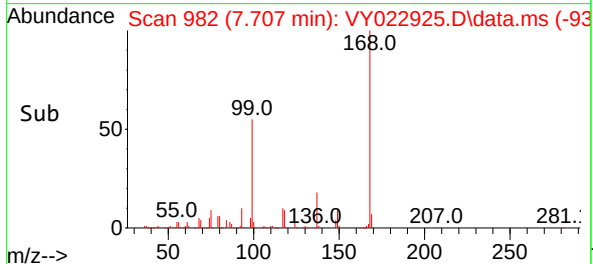
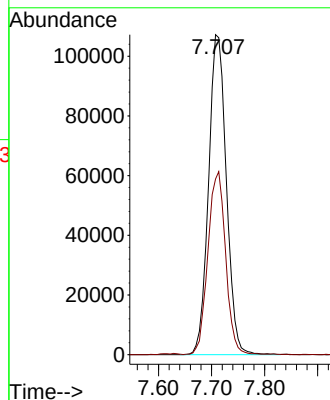
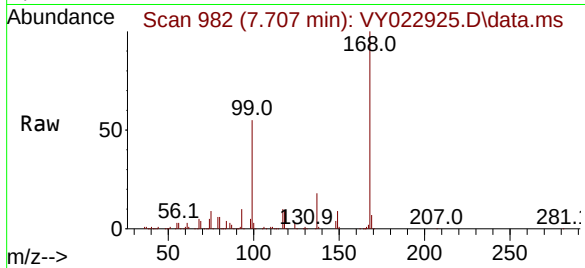




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

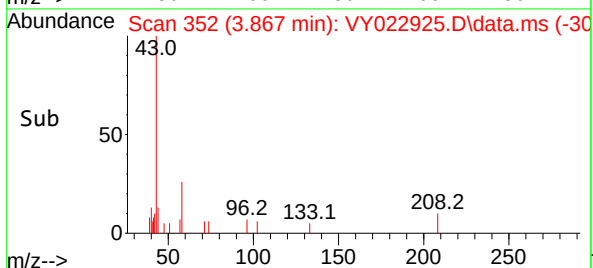
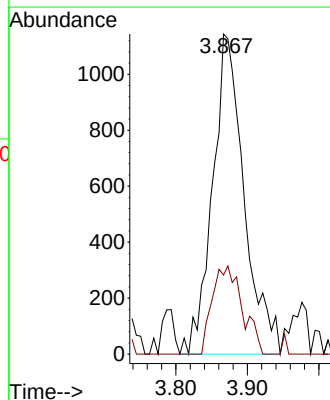
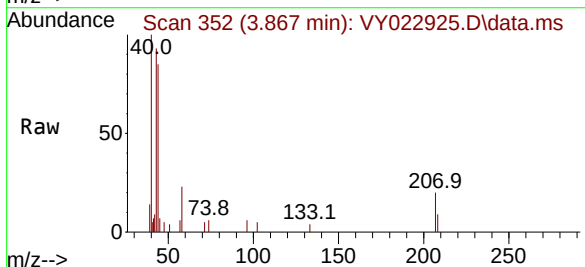
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

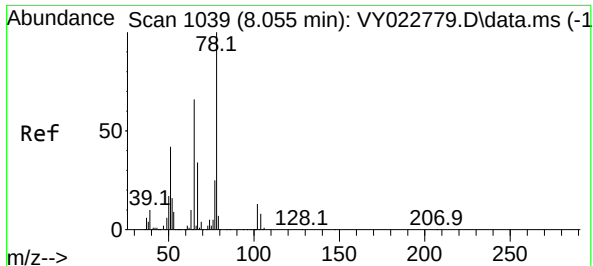
Tgt Ion:168 Resp: 250233
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#16
Acetone
Concen: 6.640 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 43 Resp: 3505
Ion Ratio Lower Upper
43 100
58 24.7 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 44.500 ug/l

RT: 8.061 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

Instrument :

MSVOA_Y

ClientSampleId :

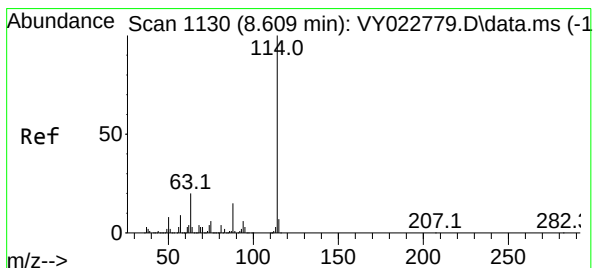
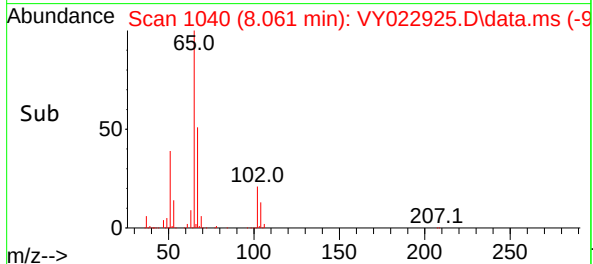
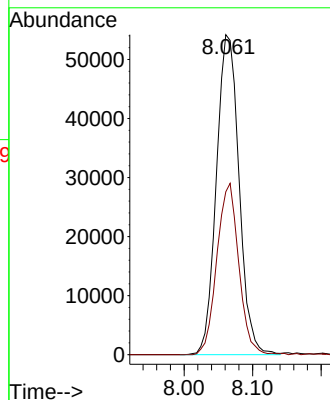
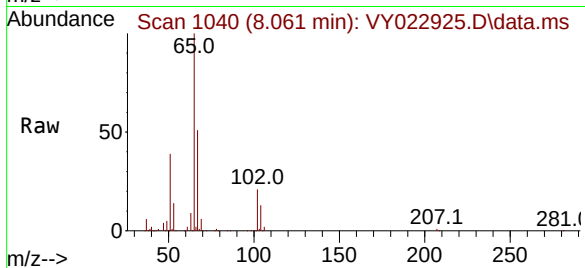
G2(2.5)

Tgt Ion: 65 Resp: 124281

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

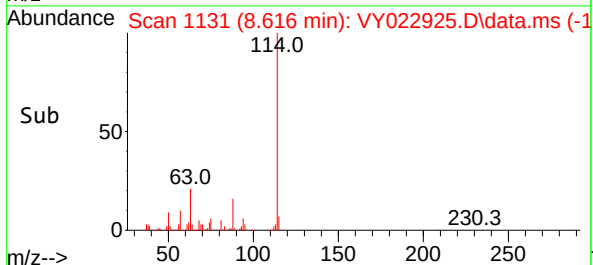
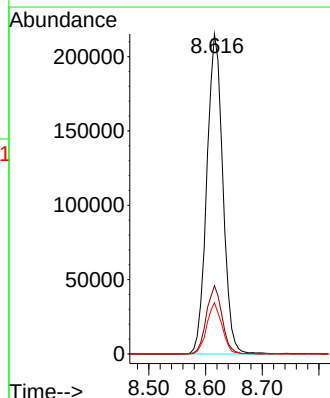
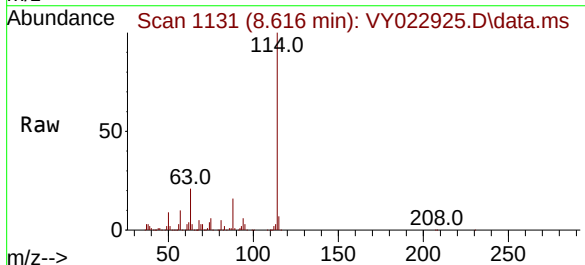
Tgt Ion: 114 Resp: 421989

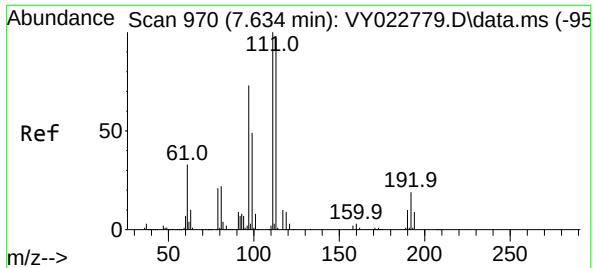
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 16.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 55.180 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

Instrument :

MSVOA_Y

ClientSampleId :

G2(2.5)

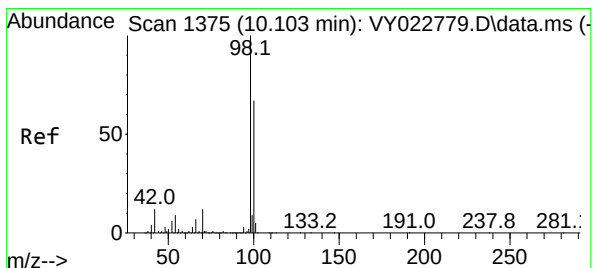
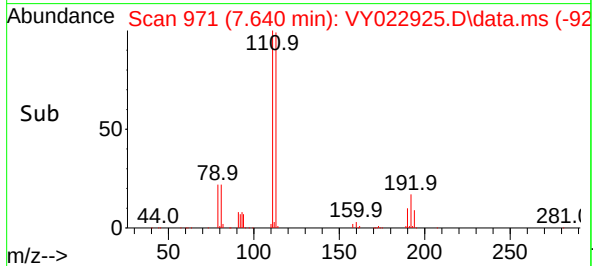
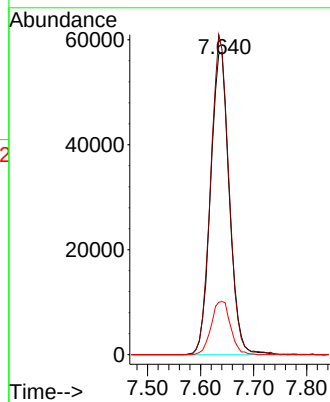
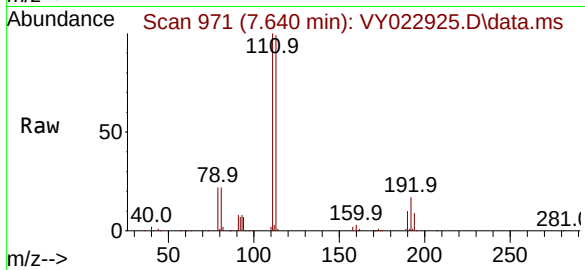
Tgt Ion:113 Resp: 141611

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 18.1 14.2 21.2



#50

Toluene-d8

Concen: 46.008 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022925.D

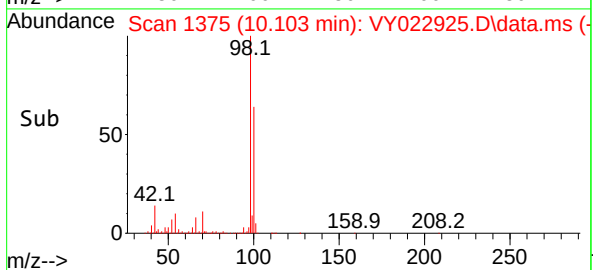
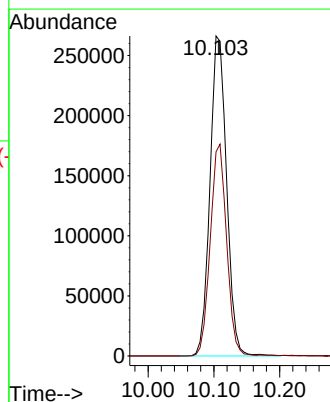
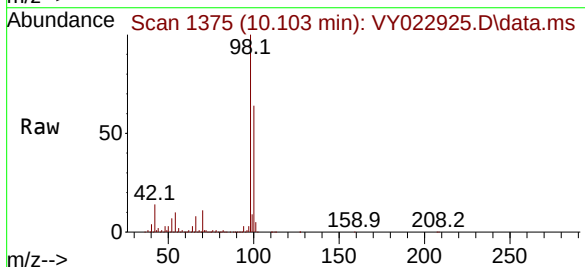
Acq: 02 Jul 2025 20:14

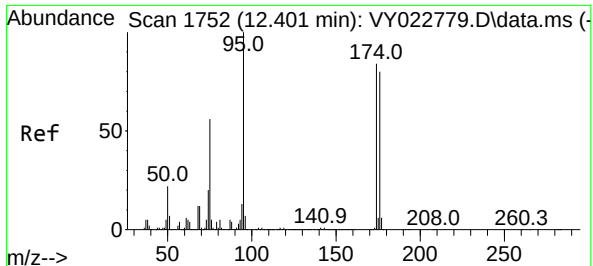
Tgt Ion: 98 Resp: 468528

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

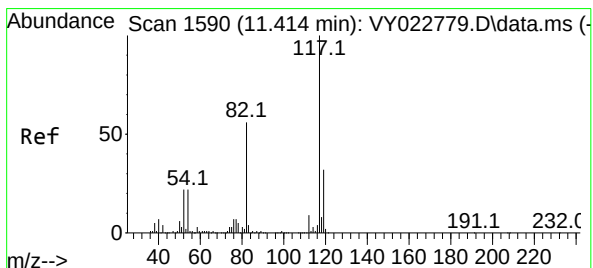
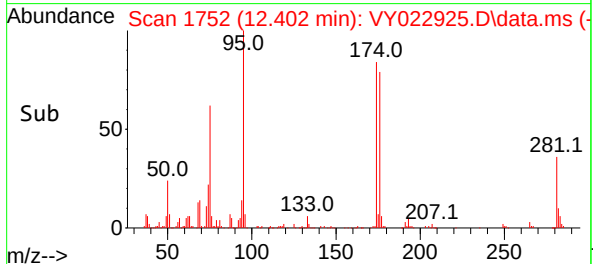
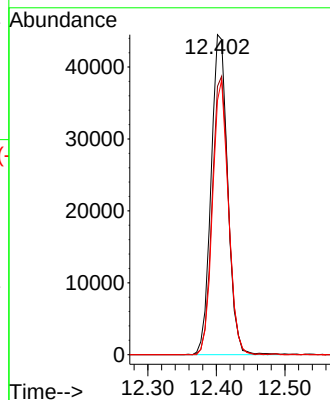
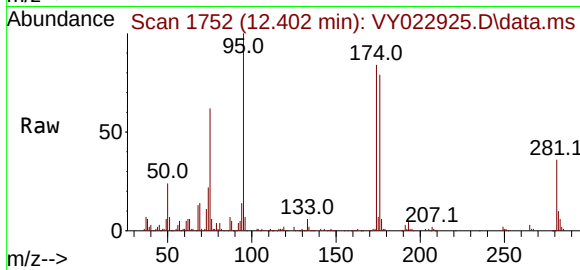




#62
4-Bromofluorobenzene
Concen: 22.851 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

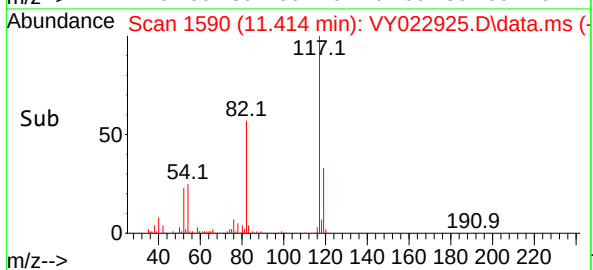
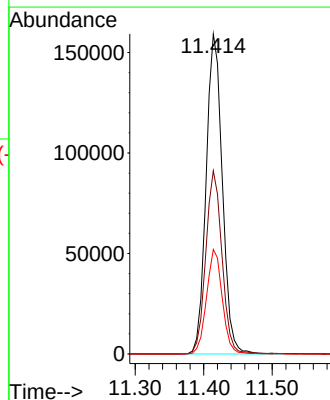
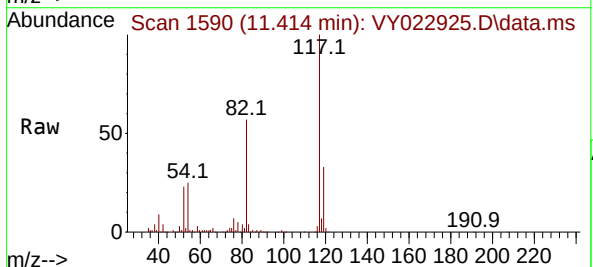
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

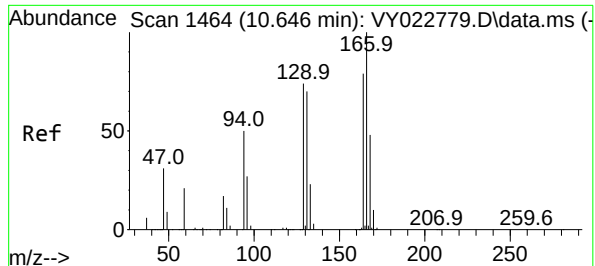
Tgt Ion: 95 Resp: 74808
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022925.D
Acq: 02 Jul 2025 20:14

Tgt Ion: 117 Resp: 262343
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 32.7 25.4 38.0





#64

Tetrachloroethene

Concen: 1.050 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022925.D

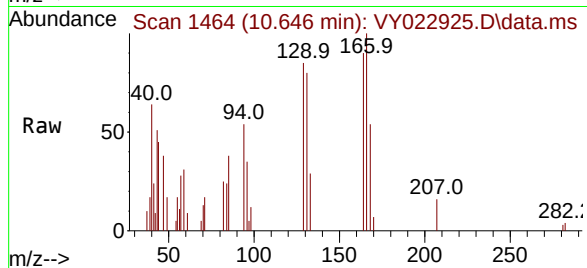
Acq: 02 Jul 2025 20:14

Instrument :

MSVOA_Y

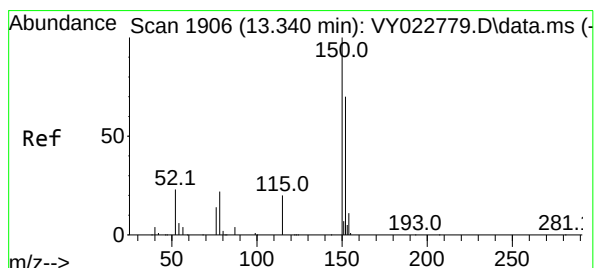
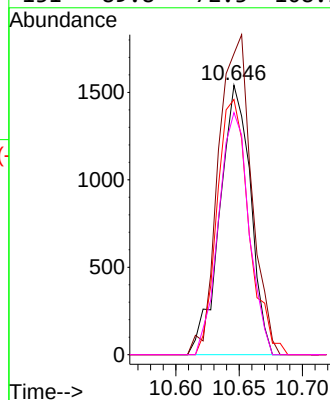
ClientSampleId :

G2(2.5)



Tgt Ion:164 Resp: 2603

Ion	Ratio	Lower	Upper
164	100		
166	111.7	104.0	156.0
129	94.7	74.5	111.7
131	89.8	72.3	108.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

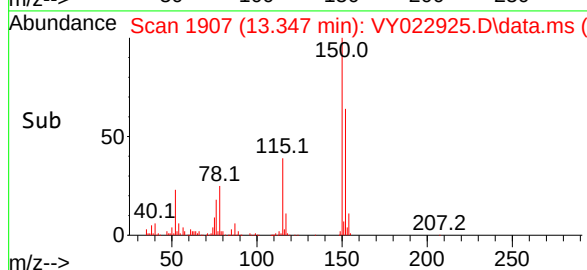
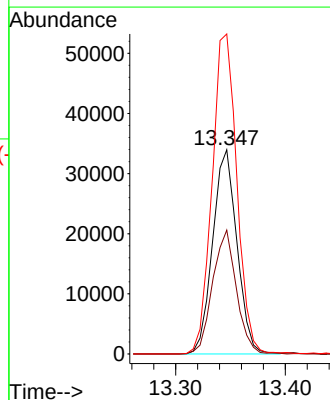
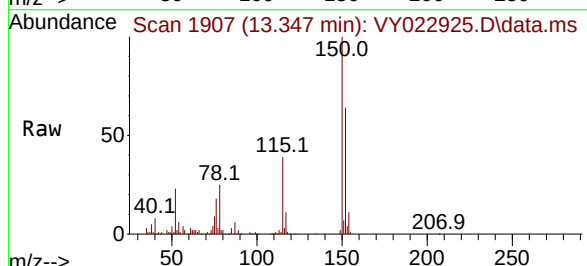
Delta R.T. 0.000 min

Lab File: VY022925.D

Acq: 02 Jul 2025 20:14

Tgt Ion:152 Resp: 52246

Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.9	86.7
150	160.2	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022925.D
Acq On : 02 Jul 2025 20:14
Operator : SY/MD
Sample : Q2487-05
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022925.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	489	rBV3	19297	70961	5.59%	1.206%
2	5.647	634	644	656	rVB4	6006	18075	1.43%	0.307%
3	7.634	960	970	976	rBV2	197811	477569	37.65%	8.120%
4	7.707	976	982	999	rVB	326578	769502	60.67%	13.083%
5	8.061	1032	1040	1056	rBV	153460	357421	28.18%	6.077%
6	8.616	1123	1131	1147	rBV	523915	1018976	80.34%	17.324%
7	10.103	1368	1375	1384	rBV	712914	1268306	100.00%	21.564%
8	10.646	1457	1464	1470	rVB6	16406	31732	2.50%	0.540%
9	11.414	1583	1590	1601	rBV	515152	842160	66.40%	14.318%
10	12.408	1746	1753	1763	rVB3	338316	650353	51.28%	11.057%
11	13.347	1892	1907	1913	rBV	216160	361155	28.48%	6.140%
12	13.883	1986	1995	2006	rBV4	6925	15500	1.22%	0.264%

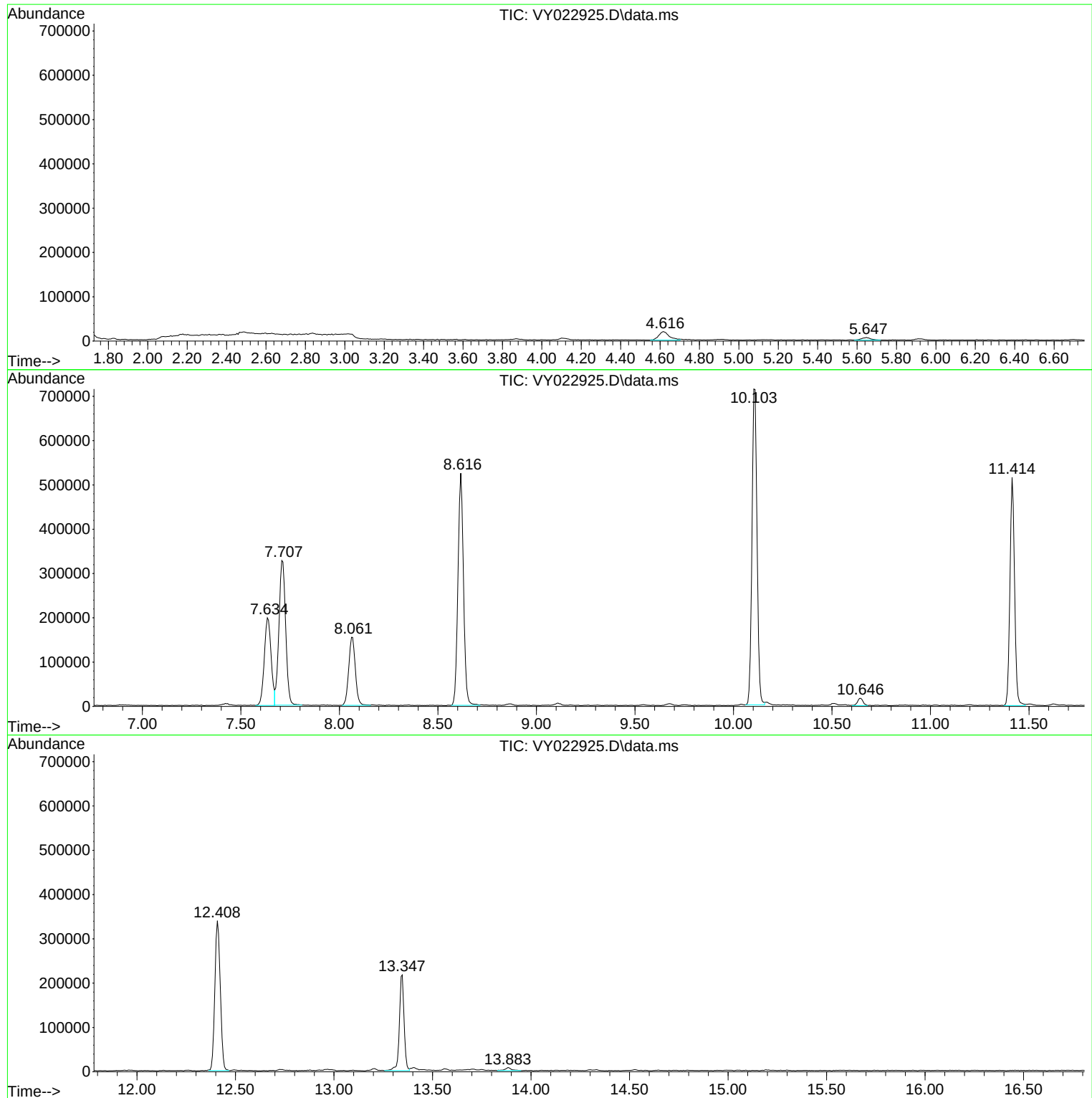
Sum of corrected areas: 5881710

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022925.D
Acq On : 02 Jul 2025 20:14
Operator : SY/MD
Sample : Q2487-05
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022925.D
Acq On : 02 Jul 2025 20:14
Operator : SY/MD
Sample : Q2487-05
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070225\
Data File : VY022925.D
Acq On : 02 Jul 2025 20:14
Operator : SY/MD
Sample : Q2487-05
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G2(2.5)RE		SDG No.:	Q2487	
Lab Sample ID:	Q2487-05RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.1	
Sample Wt/Vol:	5.03	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022942.D	1	07/03/25 15:00	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.10	U	5.10	26.7	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	7.00	U	7.00	26.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.7	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G2(2.5)RE		SDG No.:	Q2487	
Lab Sample ID:	Q2487-05RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.1	
Sample Wt/Vol:	5.03	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022942.D	1	07/03/25 15:00	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.7	ug/Kg
124-48-1	Dibromochloromethane	0.93	U	0.93	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.94	U	0.94	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.7	ug/Kg
95-47-6	o-Xylene	0.88	U	0.88	5.30	ug/Kg
100-42-5	Styrene	0.76	U	0.76	5.30	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.0		17 - 146	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	7.707			
540-36-3	1,4-Difluorobenzene	437000	8.615			
3114-55-4	Chlorobenzene-d5	308000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	72000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(2.5)RE	SDG No.:	Q2487
Lab Sample ID:	Q2487-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022942.D	1	07/03/25 15:00	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070325\
 Data File : VY022942.D
 Acq On : 03 Jul 2025 15:00
 Operator : SY/MD
 Sample : Q2487-05RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

Quant Time: Jul 07 08:23:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	247861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	437126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	308489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	127917	46.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.634	113	140708	52.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.860%
50) Toluene-d8	10.103	98	509346	48.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.401	95	98294	28.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.980%

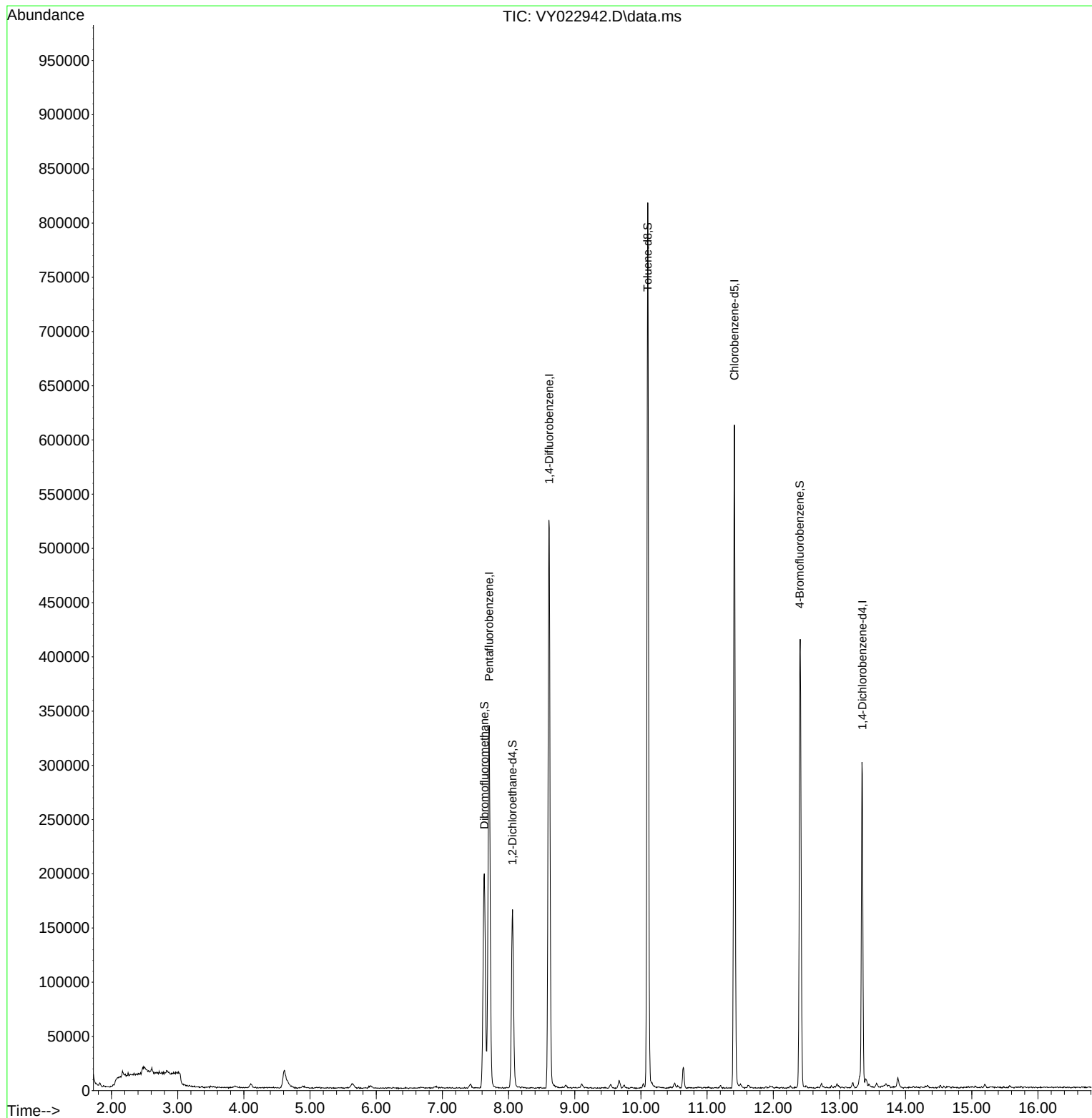
Target Compounds	Qvalue

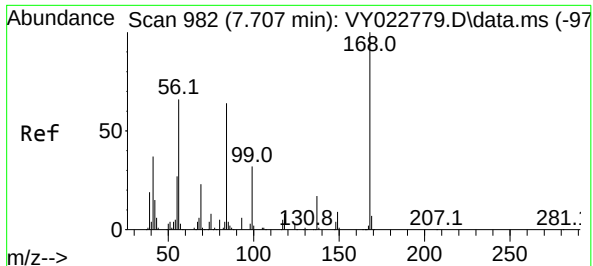
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022942.D
Acq On : 03 Jul 2025 15:00
Operator : SY/MD
Sample : Q2487-05RE
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

Quant Time: Jul 07 08:23:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

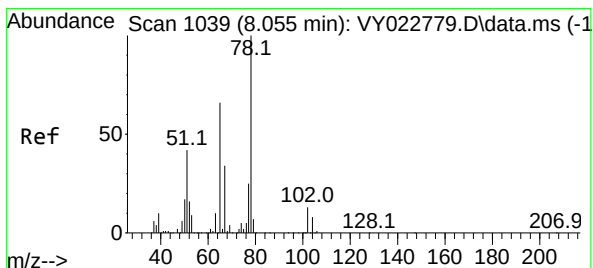
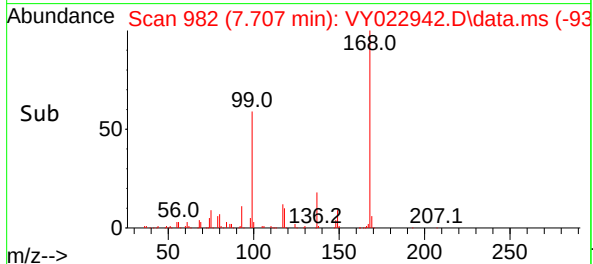
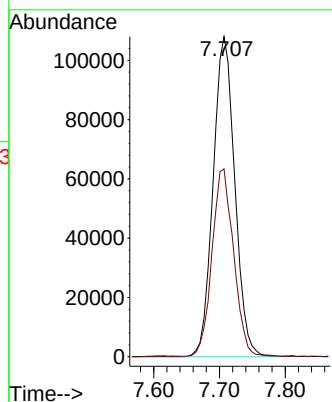
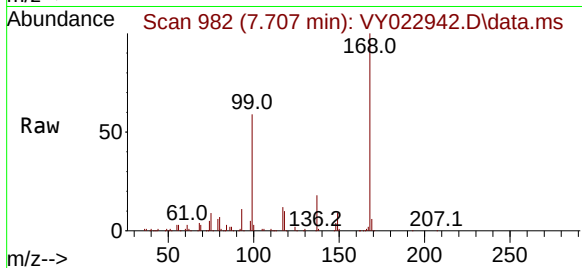




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

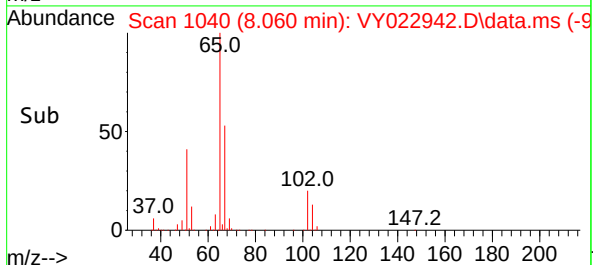
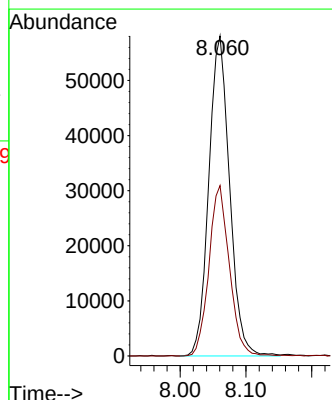
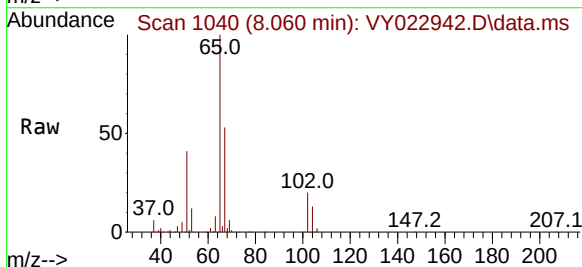
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

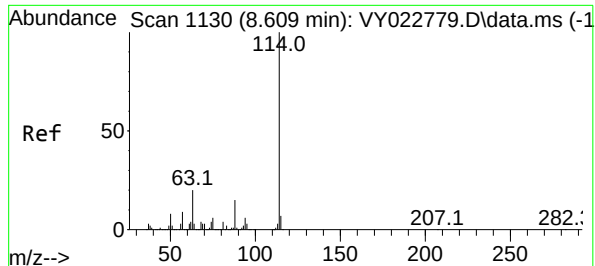
Tgt Ion:168 Resp: 247861
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 46.240 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion: 65 Resp: 127917
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

G2(2.5)RE

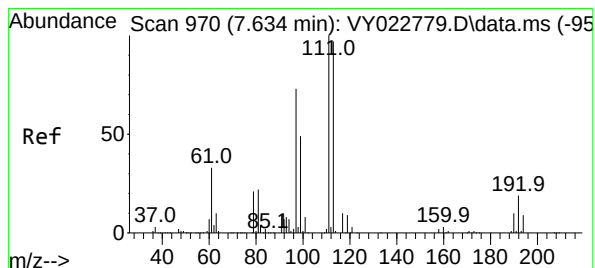
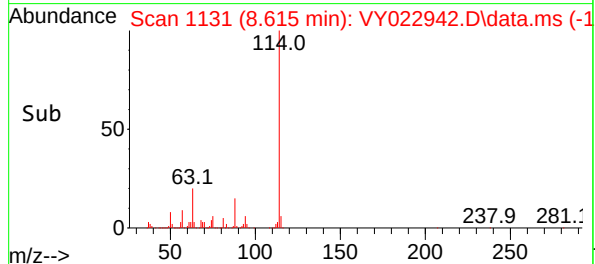
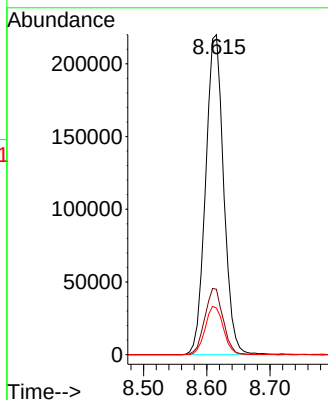
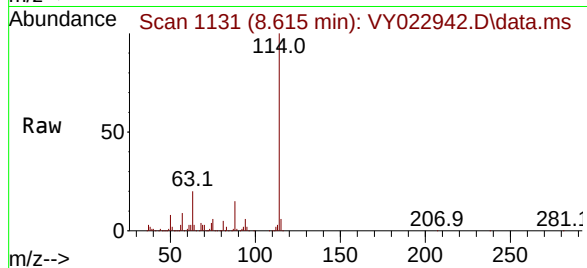
Tgt Ion:114 Resp: 437126

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.930 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.007 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

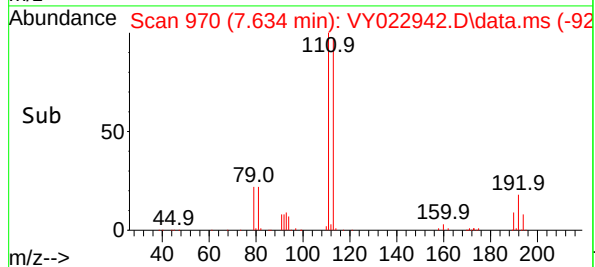
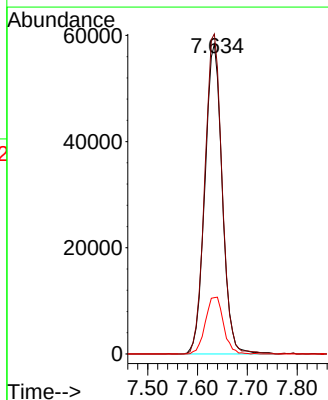
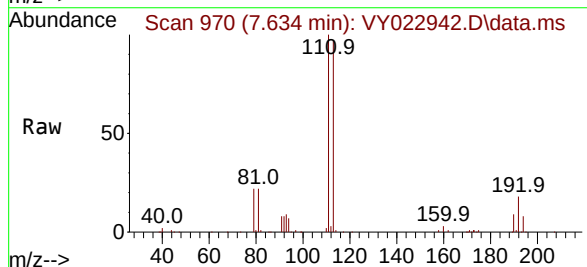
Tgt Ion:113 Resp: 140708

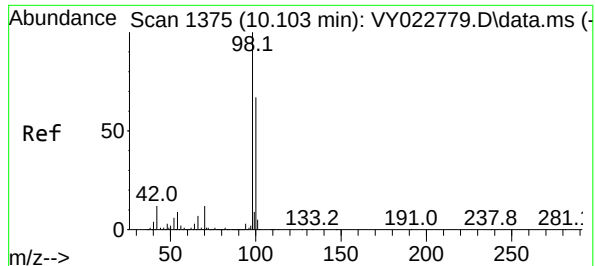
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 19.2 14.2 21.2





#50

Toluene-d8

Concen: 48.284 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

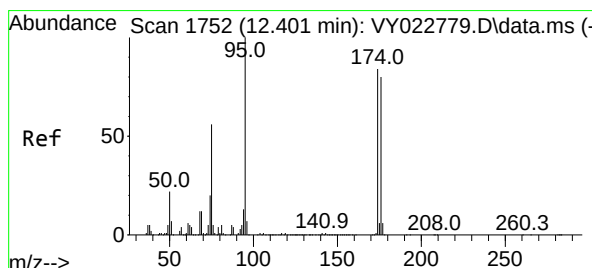
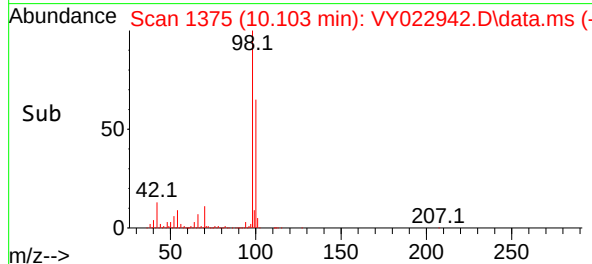
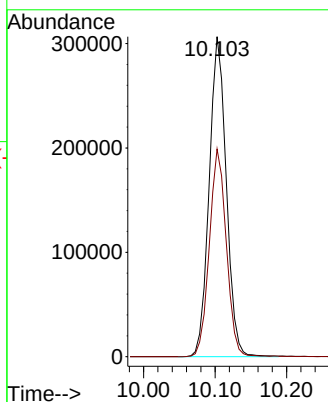
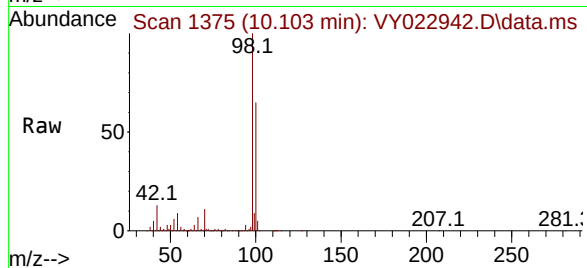
G2(2.5)RE

Tgt Ion: 98 Resp: 509346

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 28.986 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.007 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

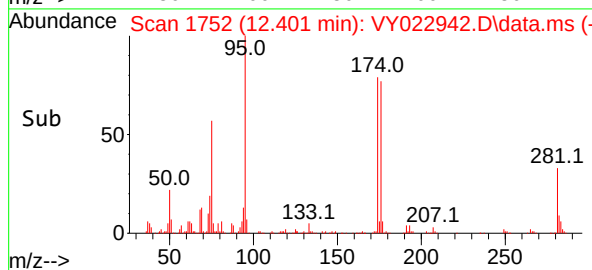
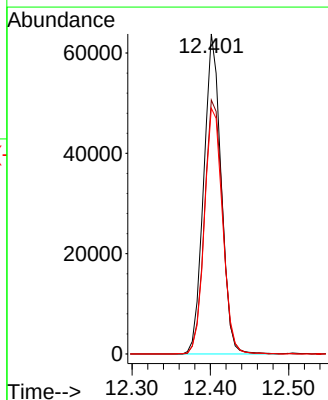
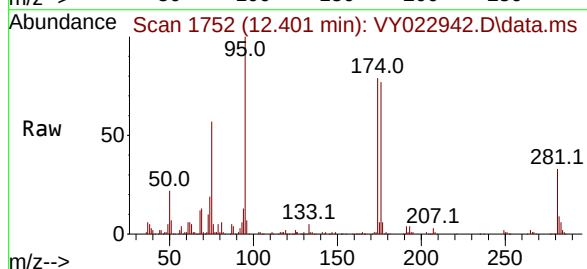
Tgt Ion: 95 Resp: 98294

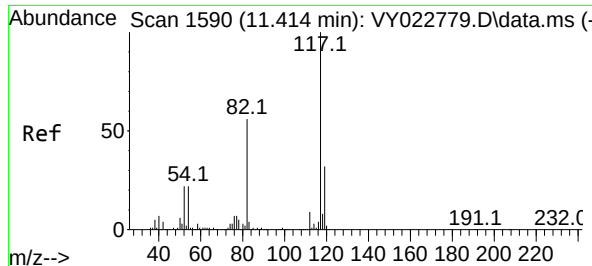
Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.0

176 80.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

G2(2.5)RE

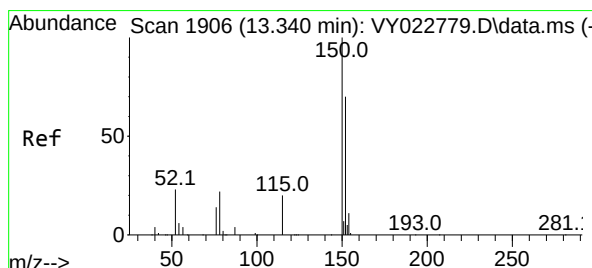
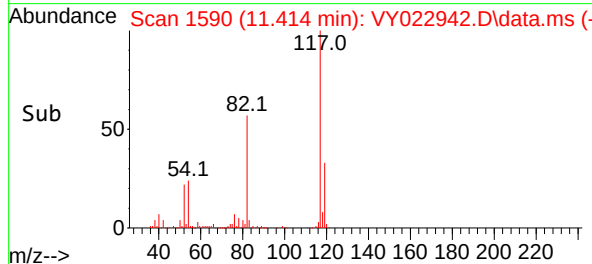
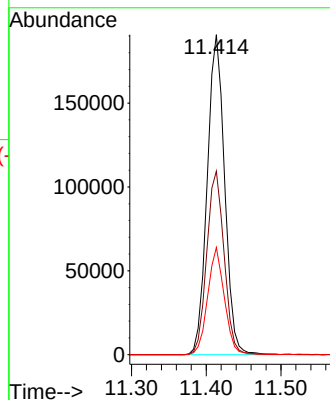
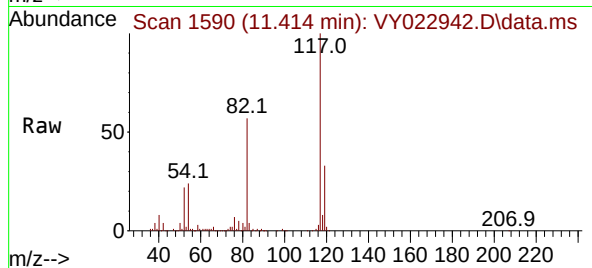
Tgt Ion:117 Resp: 308489

Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

119 33.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022942.D

Acq: 03 Jul 2025 15:00

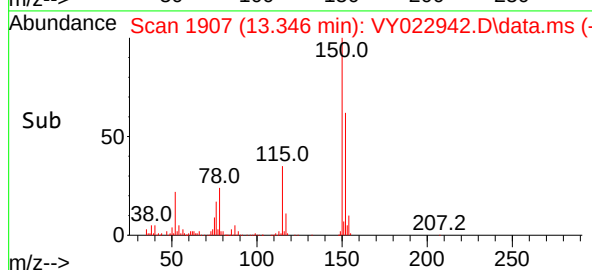
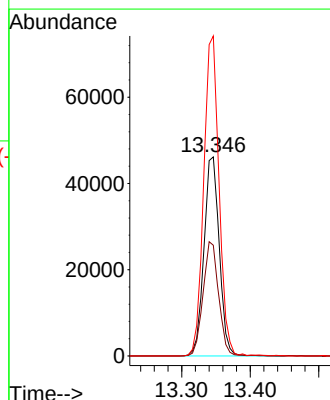
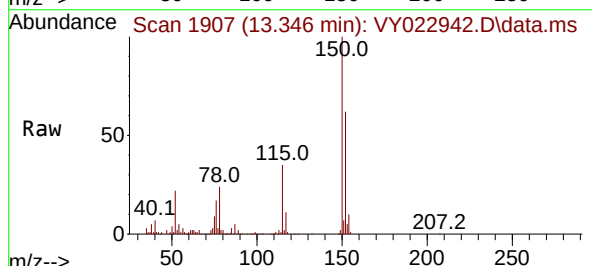
Tgt Ion:152 Resp: 72021

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 160.0 0.0 349.6



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.7
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022943.D	1	07/03/25 15:23	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	6.60	ug/Kg
74-87-3	Chloromethane	1.50	U	1.50	6.60	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.60	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.60	ug/Kg
75-00-3	Chloroethane	1.70	U	1.70	6.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.60	U	1.60	6.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	6.60	ug/Kg
67-64-1	Acetone	70.8		6.20	32.9	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	6.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.96	U	0.96	6.60	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	6.60	ug/Kg
75-09-2	Methylene Chloride	4.60	U	4.60	13.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	6.60	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.60	ug/Kg
78-93-3	2-Butanone	16.7	J	8.60	32.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.30	U	1.30	6.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.99	U	0.99	6.60	ug/Kg
74-97-5	Bromochloromethane	1.50	U	1.50	6.60	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.60	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.60	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.60	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	6.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.20	U	1.20	6.60	ug/Kg
75-27-4	Bromodichloromethane	1.00	U	1.00	6.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.70	U	4.70	32.9	ug/Kg
108-88-3	Toluene	1.00	U	1.00	6.60	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G2(9)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-06		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	66.7	
Sample Wt/Vol:	5.7	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022943.D	1	07/03/25 15:23	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	6.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.82	U	0.82	6.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.20	U	1.20	6.60	ug/Kg
591-78-6	2-Hexanone	4.90	U	4.90	32.9	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	6.60	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	6.60	ug/Kg
108-90-7	Chlorobenzene	1.20	U	1.20	6.60	ug/Kg
100-41-4	Ethyl Benzene	0.88	U	0.88	6.60	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	13.2	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	6.60	ug/Kg
100-42-5	Styrene	0.93	U	0.93	6.60	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.60	ug/Kg
98-82-8	Isopropylbenzene	1.00	U	1.00	6.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.60	U	1.60	6.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	2.20	6.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	2.10	6.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.90	6.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	2.40	6.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.90	U	3.90	6.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	4.20	6.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.707			
540-36-3	1,4-Difluorobenzene	488000	8.609			
3114-55-4	Chlorobenzene-d5	486000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.7
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022943.D	1	07/03/25 15:23	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070325\
 Data File : VY022943.D
 Acq On : 03 Jul 2025 15:23
 Operator : SY/MD
 Sample : Q2487-06
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(9)

Quant Time: Jul 07 08:23:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

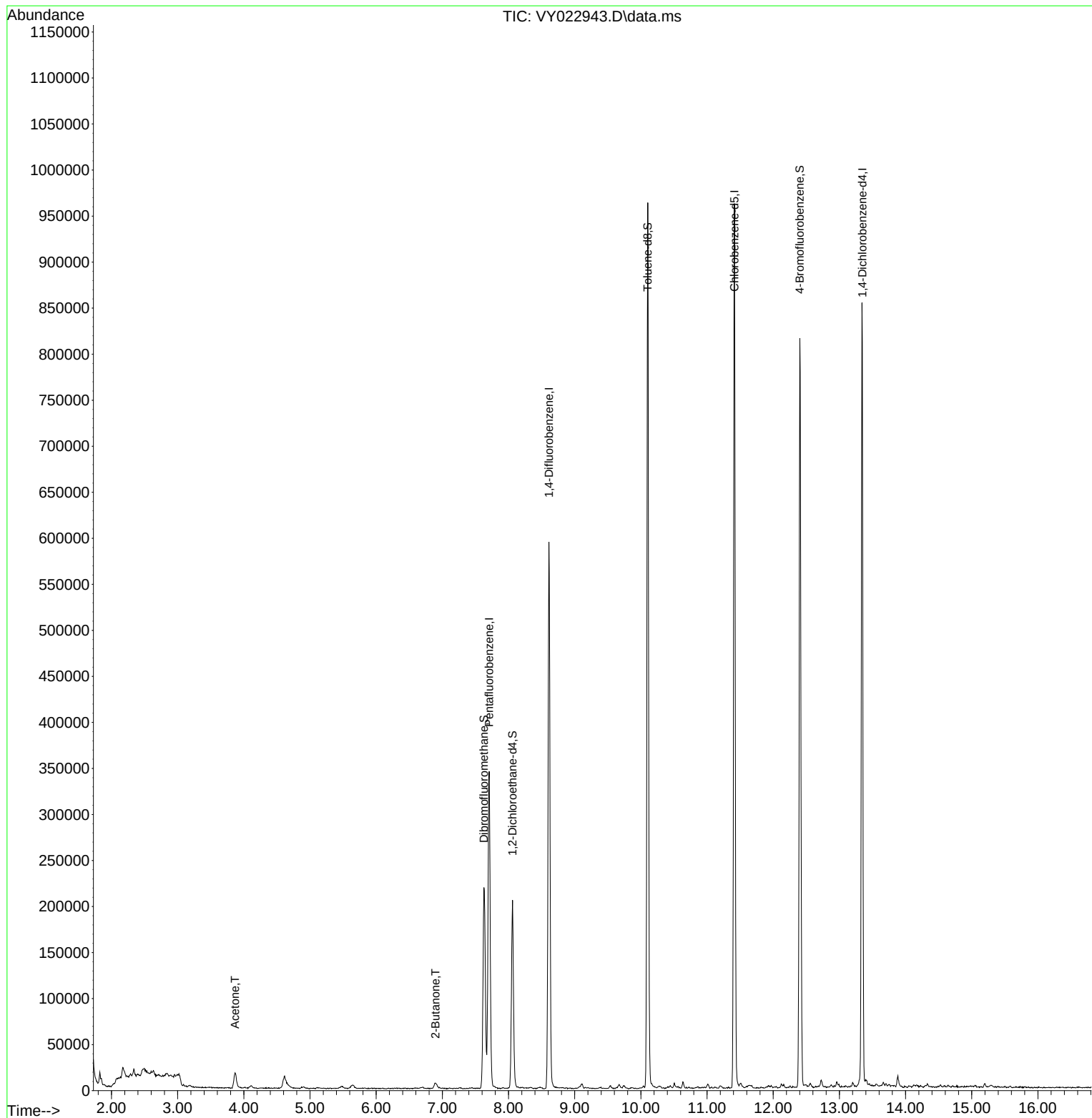
Internal Standards						
1) Pentafluorobenzene	7.707	168	255058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	488190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	486353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	207222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152567	53.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.180%	
35) Dibromofluoromethane	7.628	113	158047	53.234	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.460%	
50) Toluene-d8	10.103	98	602738	51.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.401	95	209808	55.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	28949	53.804	ug/l #	84
25) 2-Butanone	6.896	43	9937	12.689	ug/l #	81

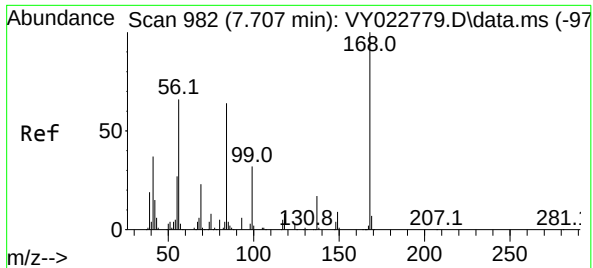
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022943.D
Acq On : 03 Jul 2025 15:23
Operator : SY/MD
Sample : Q2487-06
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(9)

Quant Time: Jul 07 08:23:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

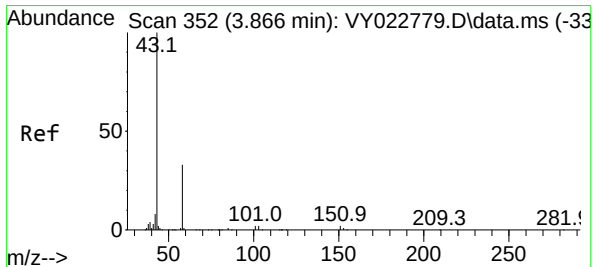
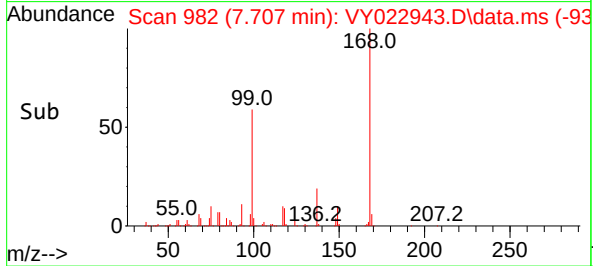
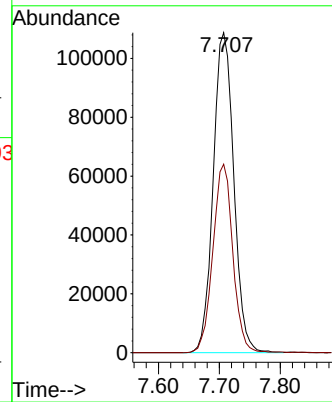
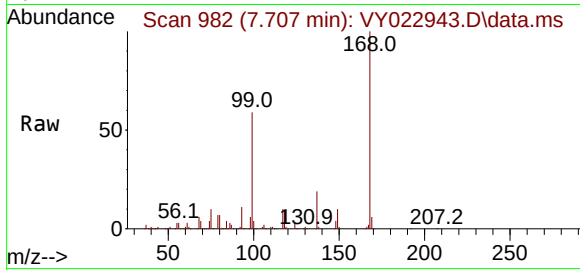




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022943.D
Acq: 03 Jul 2025 15:23

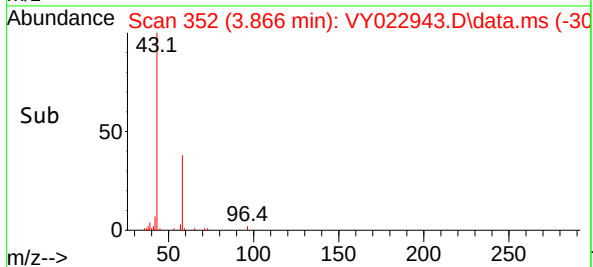
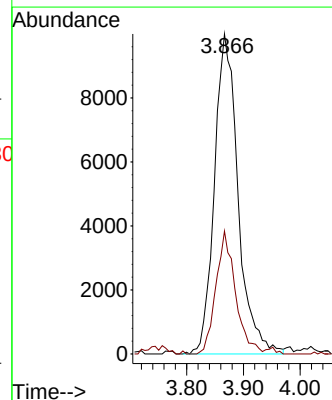
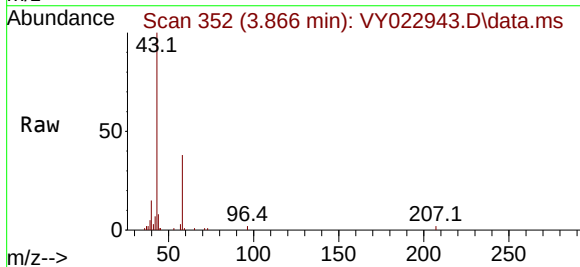
Instrument :
MSVOA_Y
ClientSampleId :
G2(9)

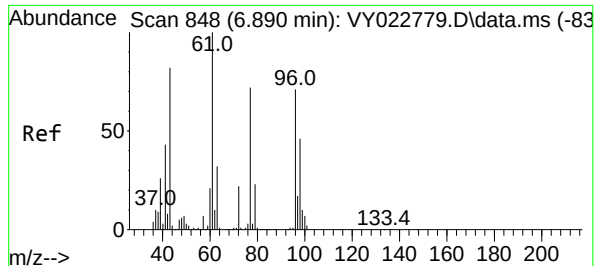
Tgt Ion:168 Resp: 255058
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#16
Acetone
Concen: 53.804 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022943.D
Acq: 03 Jul 2025 15:23

Tgt Ion: 43 Resp: 28949
Ion Ratio Lower Upper
43 100
58 38.4 24.0 36.0#





#25

2-Butanone

Concen: 12.689 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

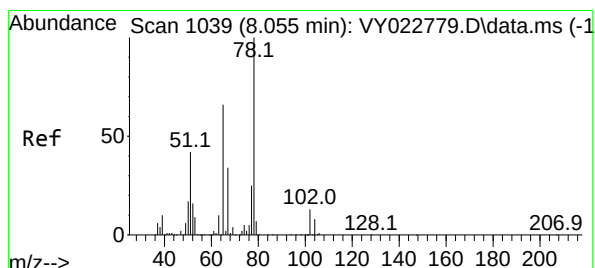
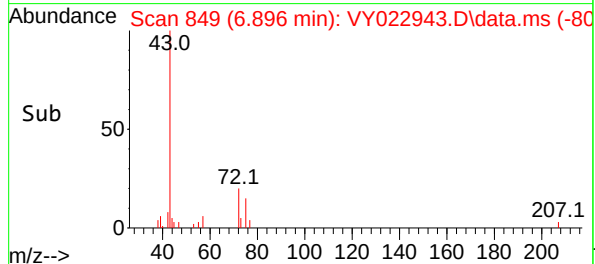
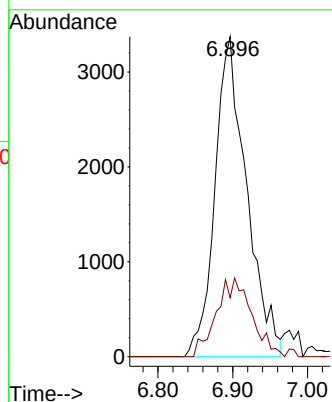
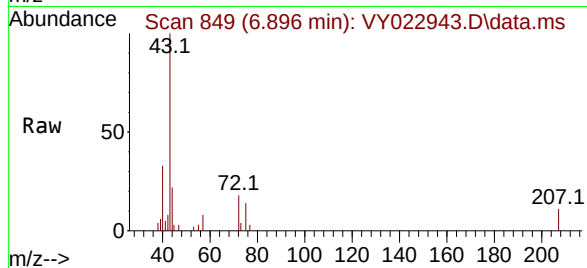
G2(9)

Tgt Ion: 43 Resp: 9937

Ion Ratio Lower Upper

43 100

72 18.4 22.9 34.3#



#33

1,2-Dichloroethane-d4

Concen: 53.594 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022943.D

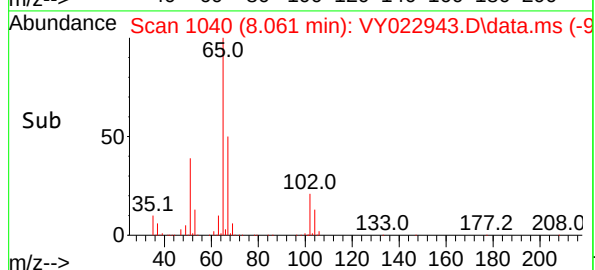
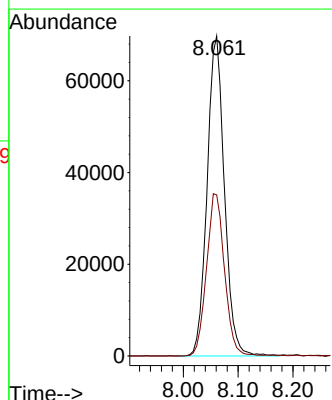
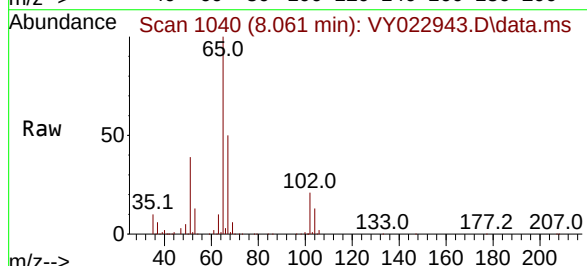
Acq: 03 Jul 2025 15:23

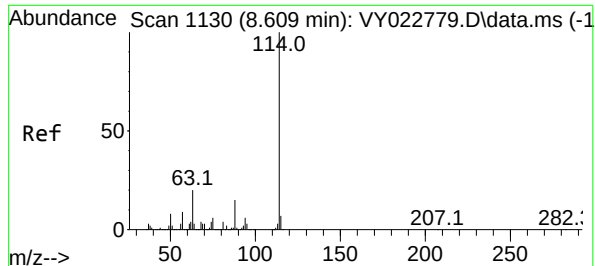
Tgt Ion: 65 Resp: 152567

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

G2(9)

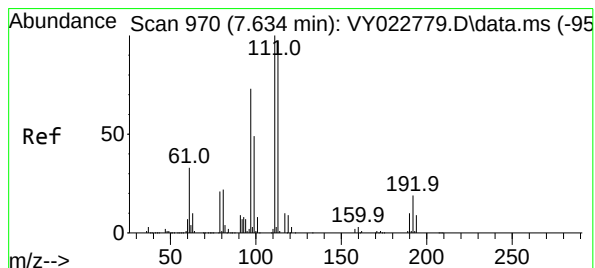
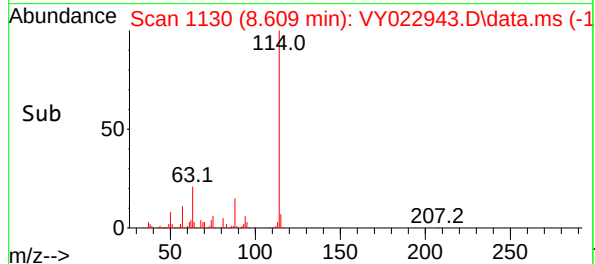
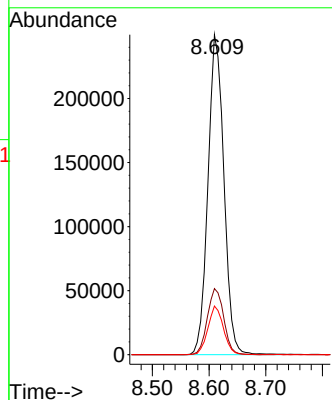
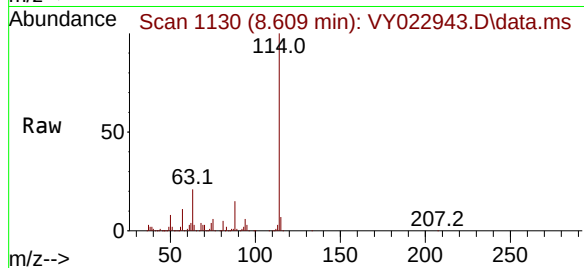
Tgt Ion:114 Resp: 488190

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.234 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

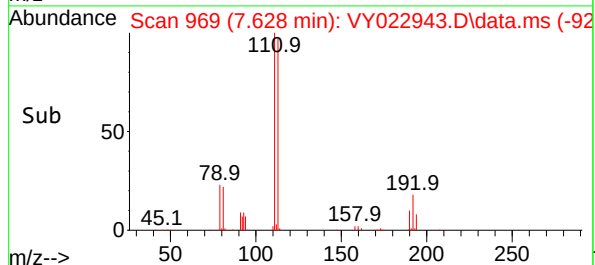
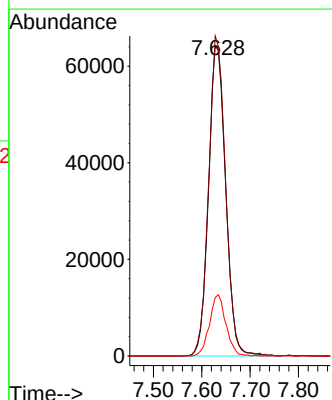
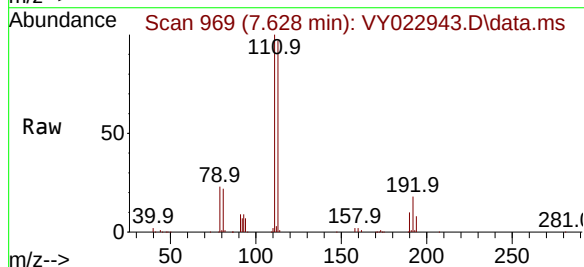
Tgt Ion:113 Resp: 158047

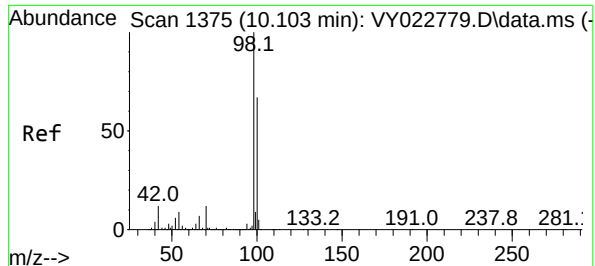
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 18.9 14.2 21.2





#50

Toluene-d8

Concen: 51.161 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

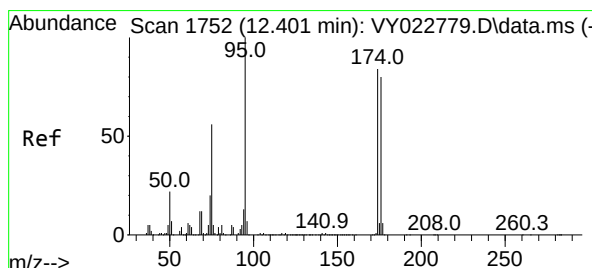
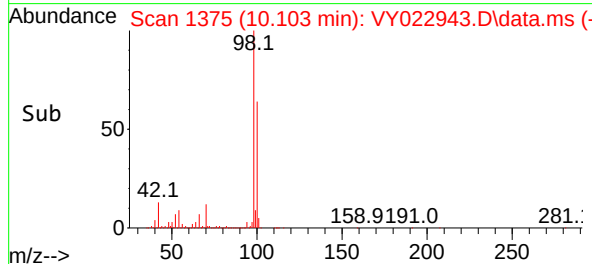
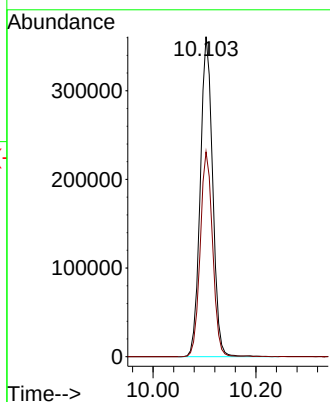
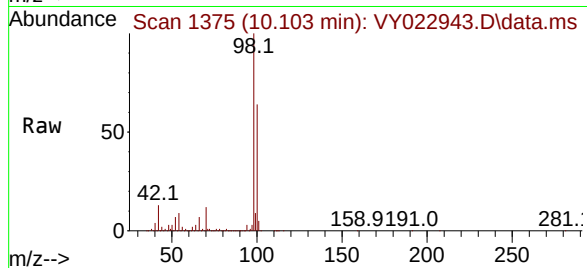
G2(9)

Tgt Ion: 98 Resp: 602738

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 55.398 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

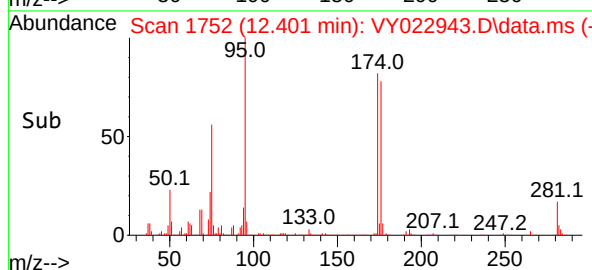
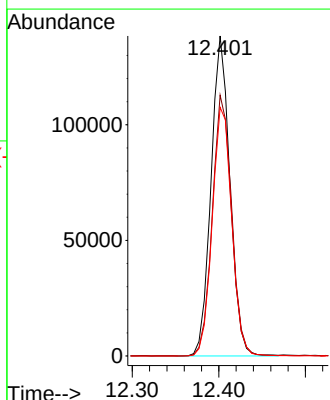
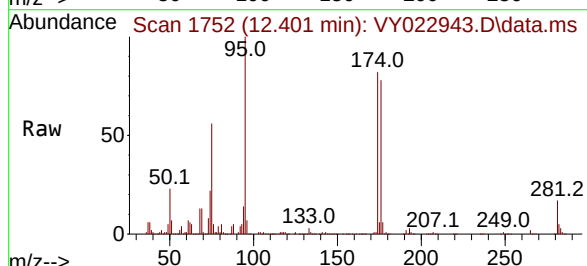
Tgt Ion: 95 Resp: 209808

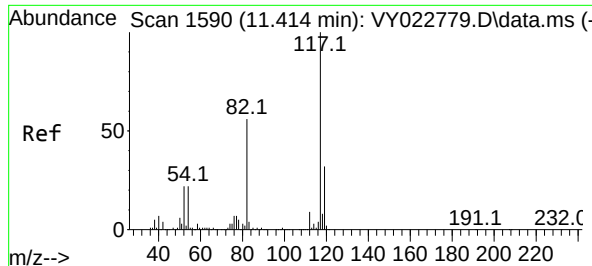
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.0

176 80.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

G2(9)

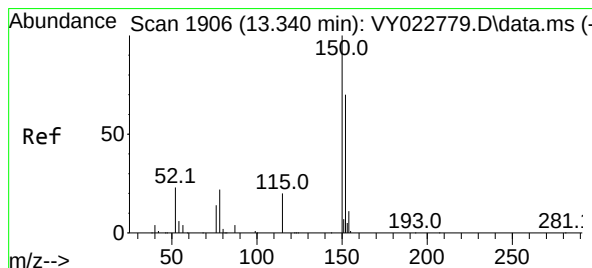
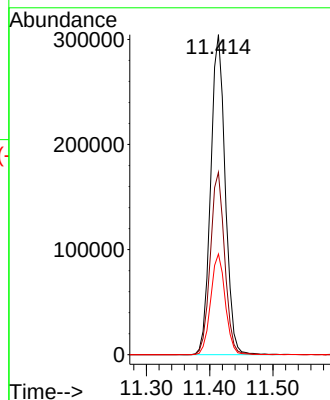
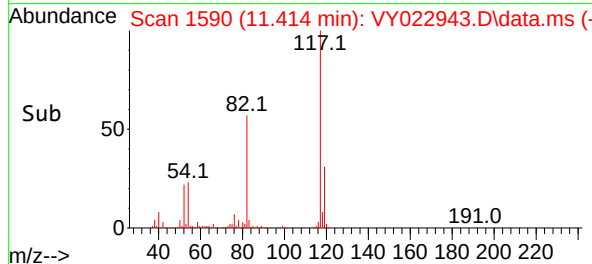
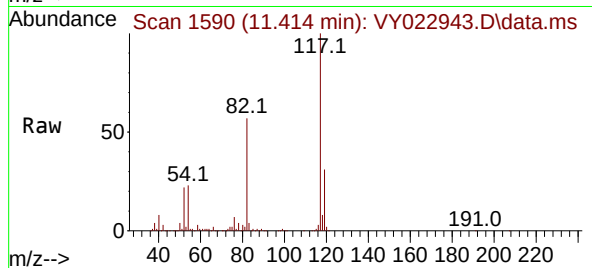
Tgt Ion:117 Resp: 486353

Ion Ratio Lower Upper

117 100

82 57.0 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022943.D

Acq: 03 Jul 2025 15:23

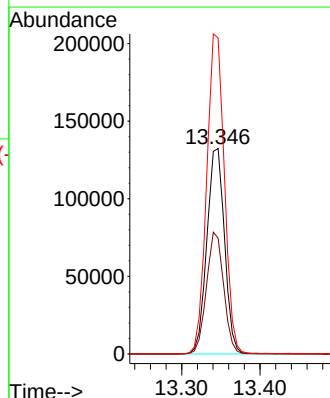
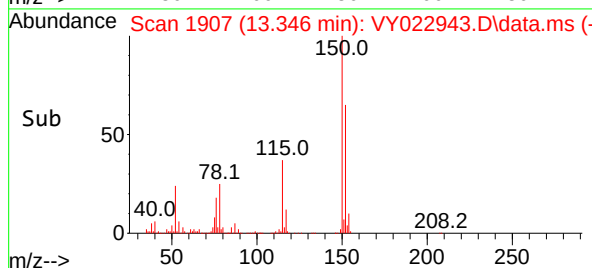
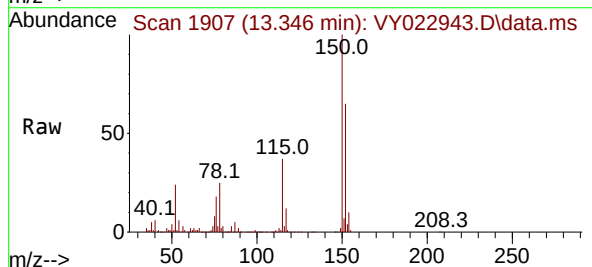
Tgt Ion:152 Resp: 207222

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 156.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022943.D
 Acq On : 03 Jul 2025 15:23
 Operator : SY/MD
 Sample : Q2487-06
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(9)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	45	59	61	rBV4	9260	28813	1.78%	0.318%
2	2.172	69	74	82	rBV2	11471	29689	1.84%	0.327%
3	3.866	345	352	364	rBV	16797	48928	3.03%	0.540%
4	4.616	461	475	490	rBV4	13748	55262	3.42%	0.609%
5	6.896	840	849	857	rBV3	5908	18806	1.16%	0.207%
6	7.628	958	969	976	rBV	218320	540898	33.50%	5.966%
7	7.707	976	982	993	rVB	342386	776782	48.11%	8.567%
8	8.061	1030	1040	1051	rBV	203951	436992	27.06%	4.820%
9	8.609	1118	1130	1145	rBV	593993	1178188	72.97%	12.994%
10	10.103	1367	1375	1384	rBV	961187	1614645	100.00%	17.808%
11	11.414	1583	1590	1601	rBV	960531	1546469	95.78%	17.056%
12	12.401	1744	1752	1762	rBV2	813912	1433588	88.79%	15.811%
13	13.340	1892	1906	1913	rBV	851608	1336843	82.79%	14.744%
14	13.883	1990	1995	2003	rBV	11916	21033	1.30%	0.232%

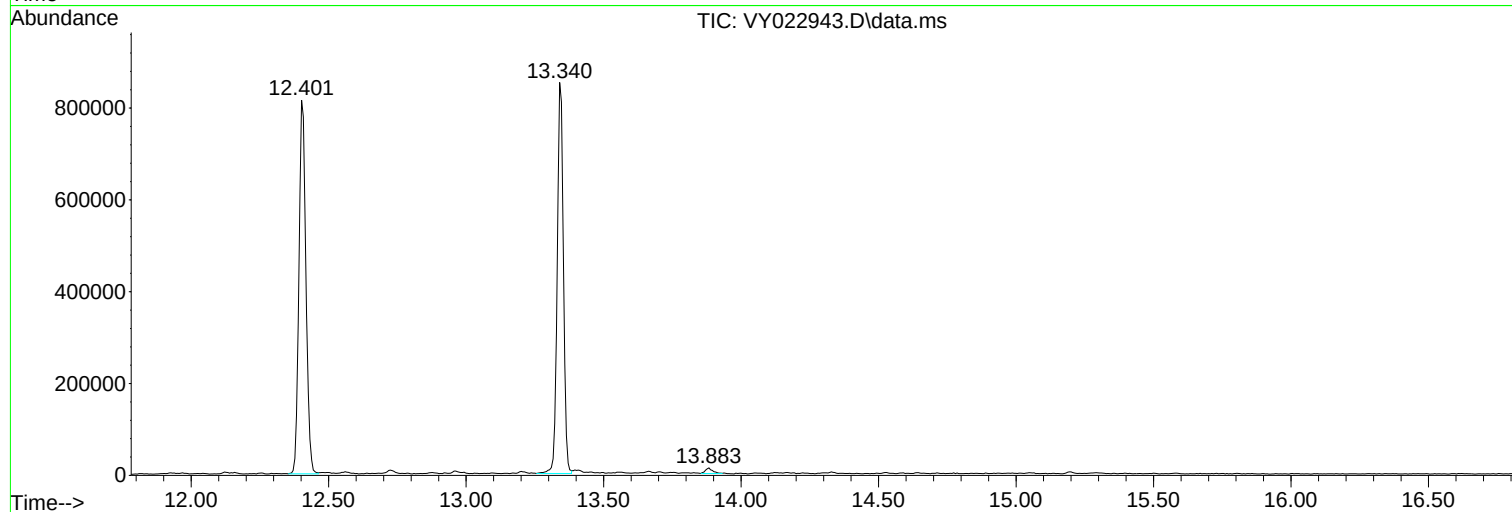
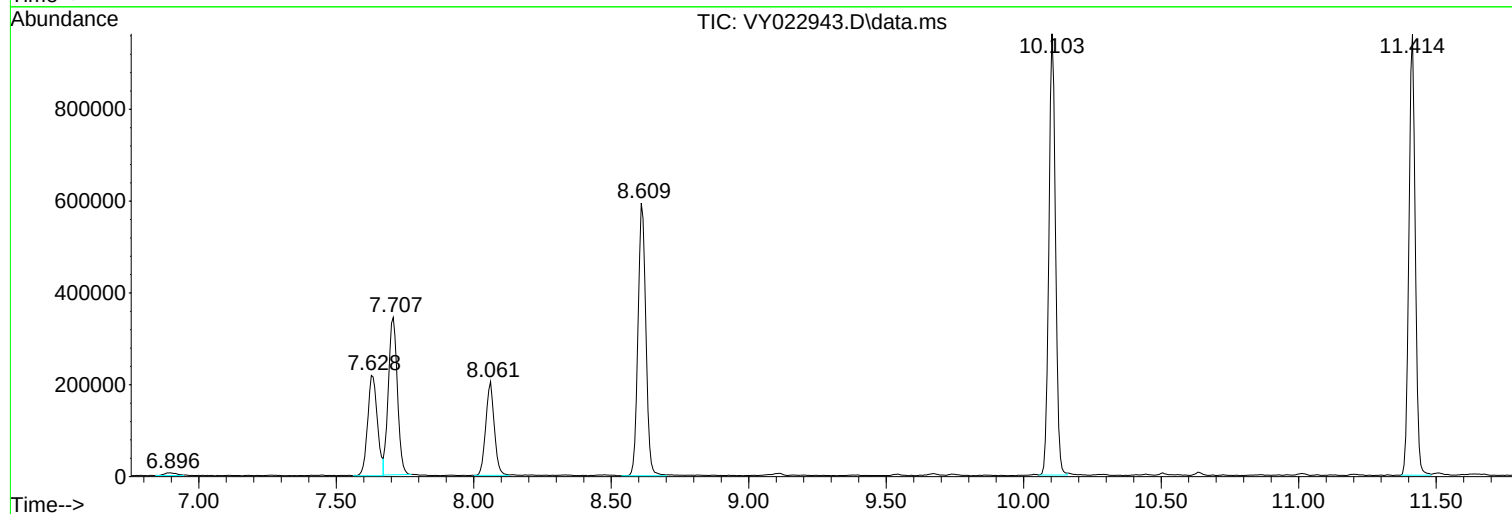
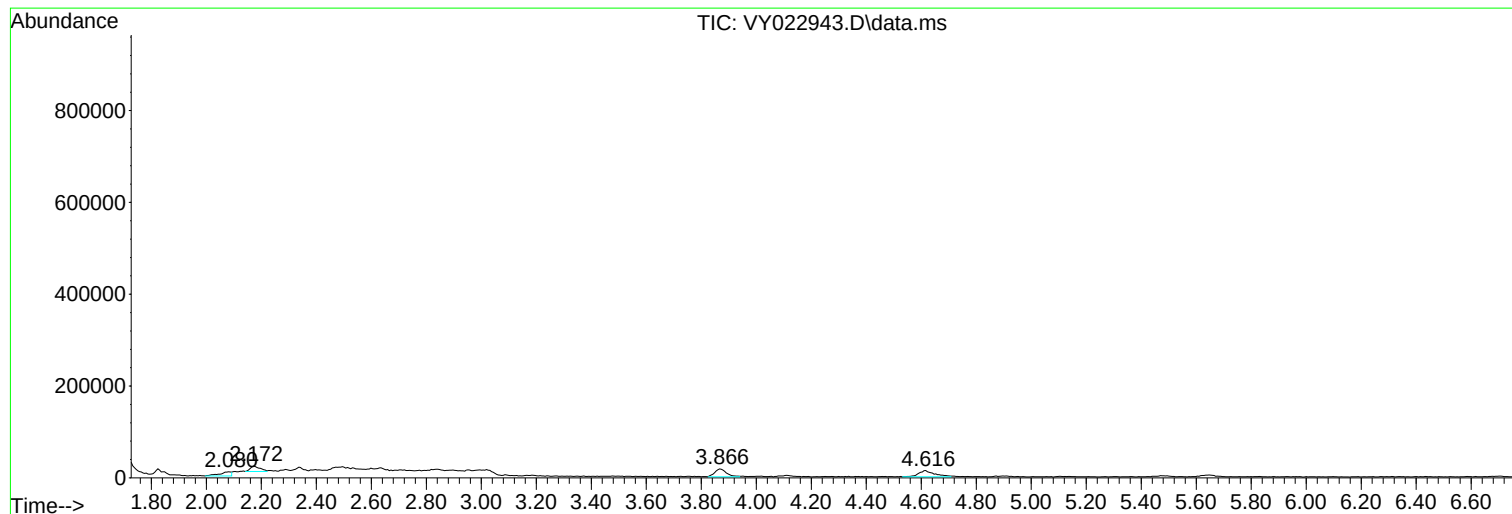
Sum of corrected areas: 9066936

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022943.D
Acq On : 03 Jul 2025 15:23
Operator : SY/MD
Sample : Q2487-06
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022943.D
Acq On : 03 Jul 2025 15:23
Operator : SY/MD
Sample : Q2487-06
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022943.D
Acq On : 03 Jul 2025 15:23
Operator : SY/MD
Sample : Q2487-06
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G2(9)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G1(4.5)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.4	
Sample Wt/Vol:	4.12	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022944.D	1	07/03/25 15:47	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	U	2.10	9.30	ug/Kg
74-87-3	Chloromethane	2.10	U	2.10	9.30	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	1.50	9.30	ug/Kg
74-83-9	Bromomethane	2.00	U	2.00	9.30	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	9.30	ug/Kg
75-69-4	Trichlorofluoromethane	2.20	U	2.20	9.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	2.00	9.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	1.90	9.30	ug/Kg
67-64-1	Acetone	84.9		8.80	46.4	ug/Kg
75-15-0	Carbon Disulfide	7.30	J	2.00	9.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.40	U	1.40	9.30	ug/Kg
79-20-9	Methyl Acetate	2.90	U	2.90	9.30	ug/Kg
75-09-2	Methylene Chloride	6.60	U	6.60	18.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.60	U	1.60	9.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	1.50	9.30	ug/Kg
110-82-7	Cyclohexane	1.50	U	1.50	9.30	ug/Kg
78-93-3	2-Butanone	24.2	J	12.1	46.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	1.80	9.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.40	U	1.40	9.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	9.30	ug/Kg
67-66-3	Chloroform	1.60	U	1.60	9.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	1.70	9.30	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	1.70	9.30	ug/Kg
71-43-2	Benzene	1.50	U	1.50	9.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	1.50	9.30	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	9.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.70	U	1.70	9.30	ug/Kg
75-27-4	Bromodichloromethane	1.40	U	1.40	9.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.60	U	6.60	46.4	ug/Kg
108-88-3	Toluene	1.40	U	1.40	9.30	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(4.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.4
Sample Wt/Vol:	4.12	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022944.D	1	07/03/25 15:47	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	9.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.20	U	1.20	9.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	1.70	9.30	ug/Kg
591-78-6	2-Hexanone	6.80	U	6.80	46.4	ug/Kg
124-48-1	Dibromochloromethane	1.60	U	1.60	9.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	9.30	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	1.90	9.30	ug/Kg
108-90-7	Chlorobenzene	5.00	J	1.70	9.30	ug/Kg
100-41-4	Ethyl Benzene	1.20	U	1.20	9.30	ug/Kg
179601-23-1	m/p-Xylenes	2.30	U	2.30	18.6	ug/Kg
95-47-6	o-Xylene	1.50	U	1.50	9.30	ug/Kg
100-42-5	Styrene	1.30	U	1.30	9.30	ug/Kg
75-25-2	Bromoform	1.60	U	1.60	9.30	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	9.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	9.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.20	U	3.20	9.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.90	U	2.90	9.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.70	U	2.70	9.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	3.40	9.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	9.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.90	U	5.90	9.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.9	*	63 - 155	62%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		70 - 134	89%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.7		17 - 146	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	464000	8.616			
3114-55-4	Chlorobenzene-d5	351000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(4.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.4
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022944.D	1	07/03/25 15:47	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070325\
 Data File : VY022944.D
 Acq On : 03 Jul 2025 15:47
 Operator : SY/MD
 Sample : Q2487-07
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(4.5)

Quant Time: Jul 07 08:23:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

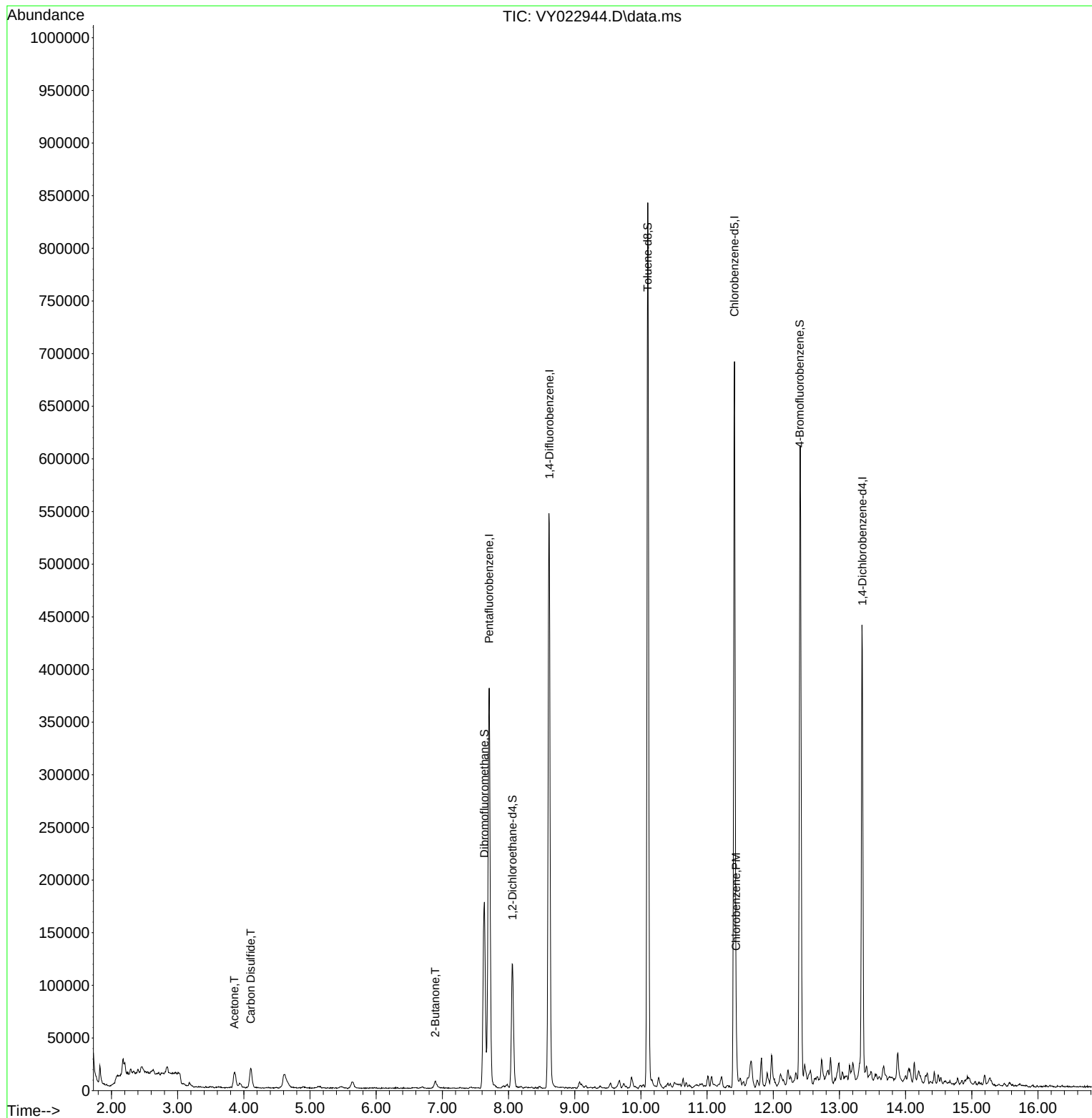
Internal Standards						
1) Pentafluorobenzene	7.707	168	278058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	464417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95965	30.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	61.840%
35) Dibromofluoromethane	7.634	113	125686	44.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.000%
50) Toluene-d8	10.103	98	539840	48.168	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.402	95	124944	34.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.360%
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	26826	45.734	ug/l	95
17) Carbon Disulfide	4.104	76	35981	3.957	ug/l	98
25) 2-Butanone	6.890	43	11137	13.045	ug/l #	82
65) Chlorobenzene	11.438	112	20574	2.669	ug/l	97

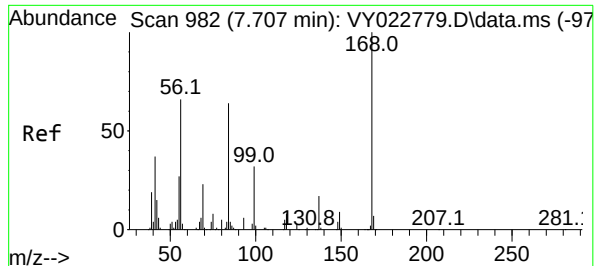
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Time: Jul 07 08:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

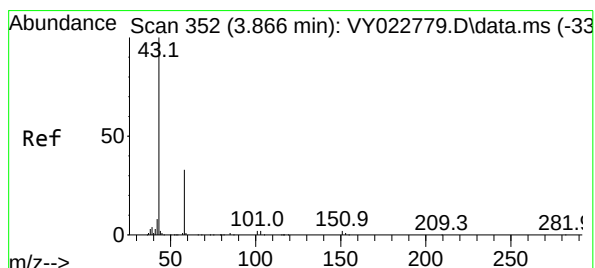
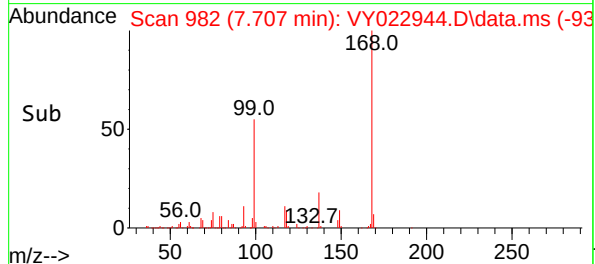
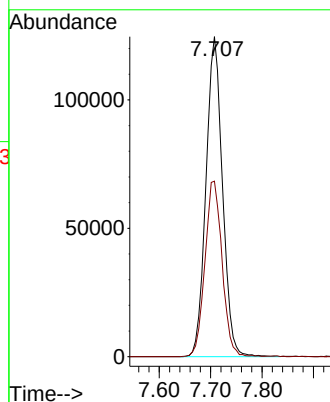
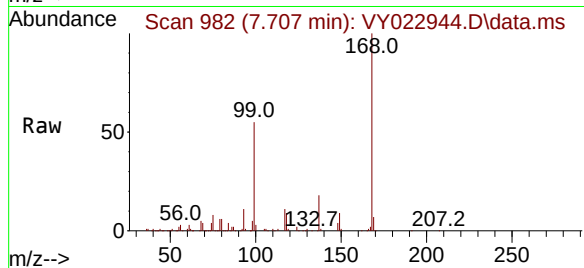




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

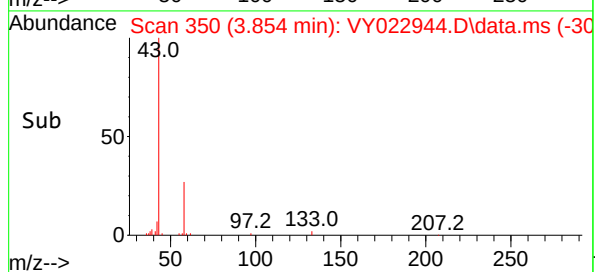
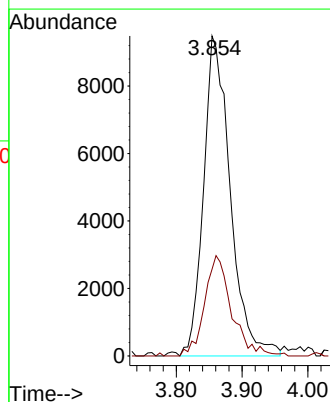
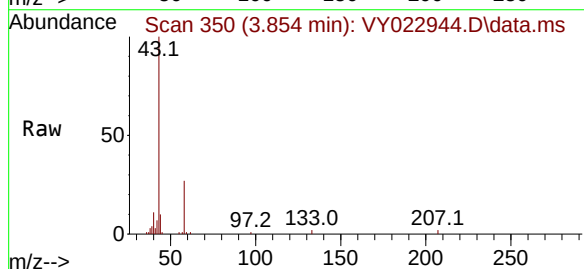
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

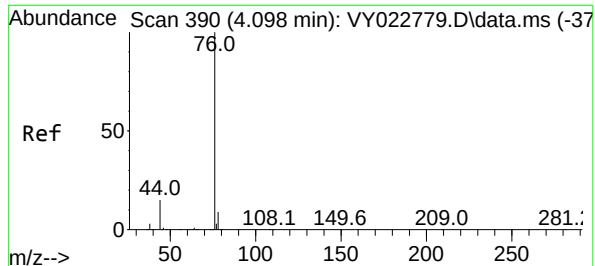
Tgt Ion:168 Resp: 278058
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#16
Acetone
Concen: 45.734 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 43 Resp: 26826
Ion Ratio Lower Upper
43 100
58 27.1 24.0 36.0

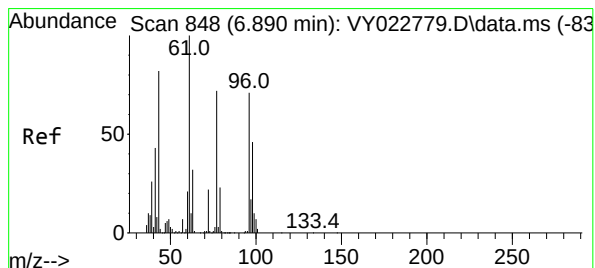
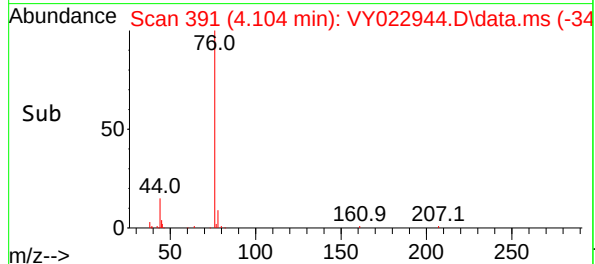
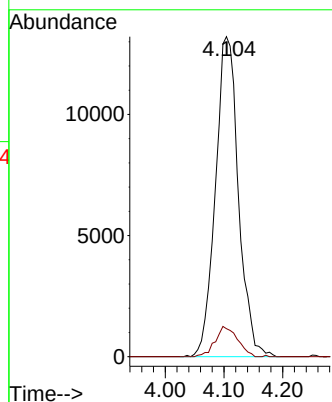
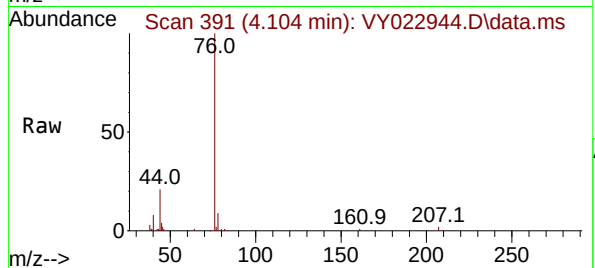




#17
Carbon Disulfide
Concen: 3.957 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

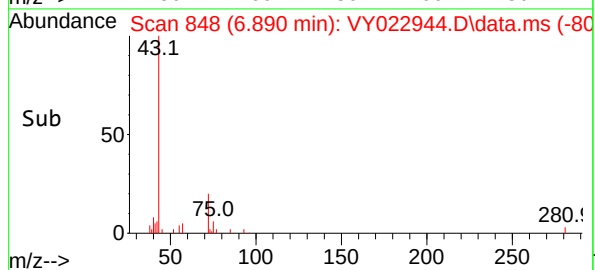
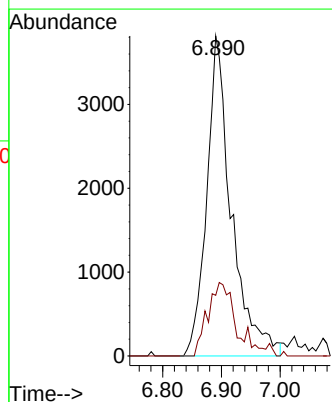
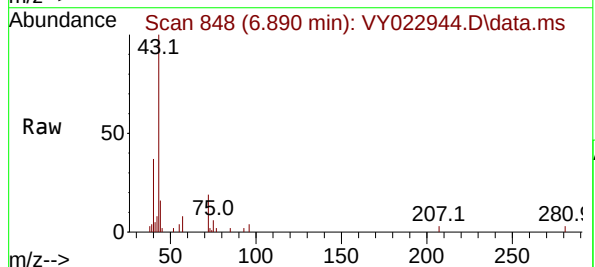
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

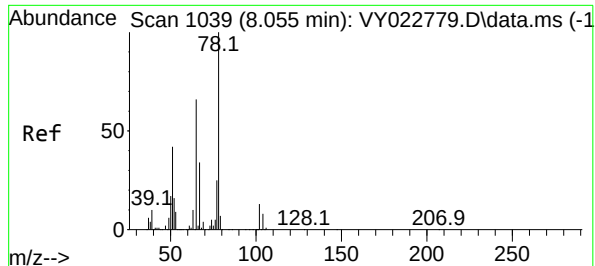
Tgt Ion: 76 Resp: 35981
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#25
2-Butanone
Concen: 13.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 43 Resp: 11137
Ion Ratio Lower Upper
43 100
72 18.9 22.9 34.3#





#33

1,2-Dichloroethane-d4

Concen: 30.922 ug/l

RT: 8.061 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

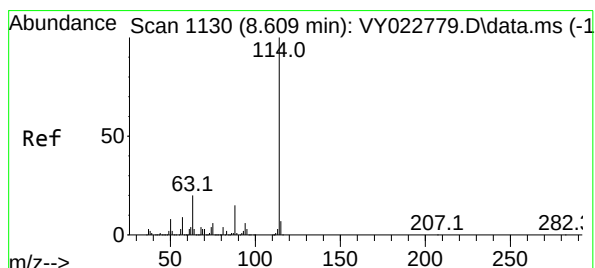
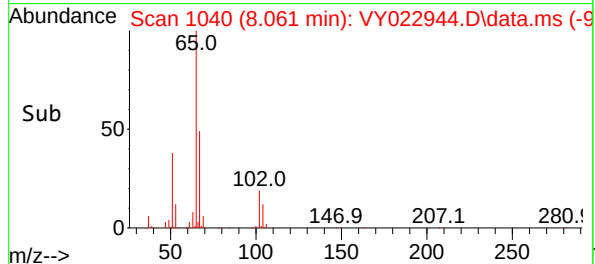
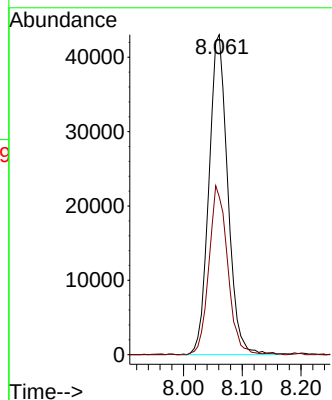
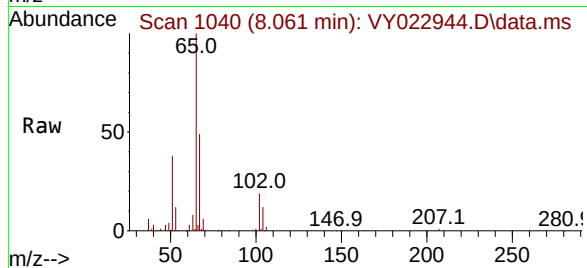
G1(4.5)

Tgt Ion: 65 Resp: 95965

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

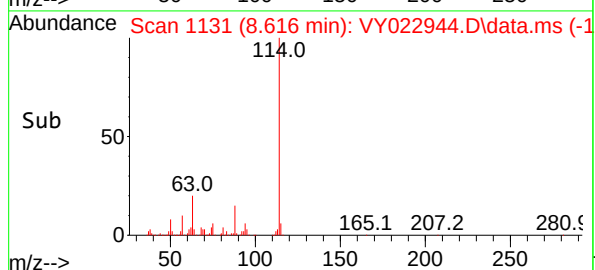
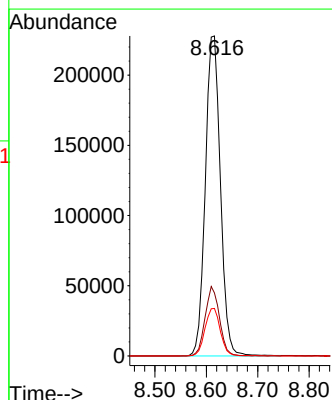
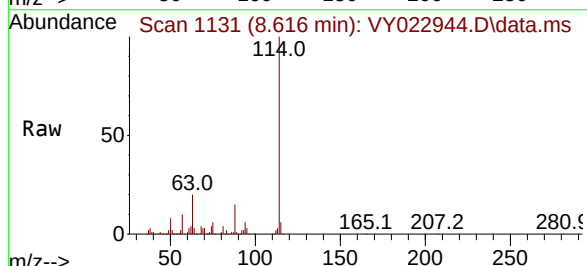
Tgt Ion:114 Resp: 464417

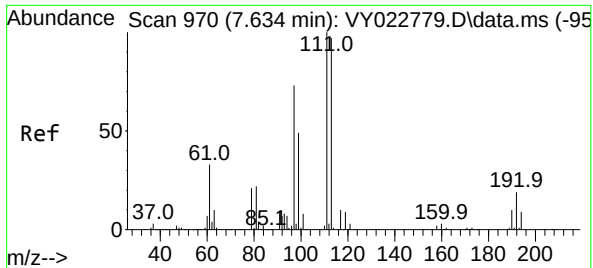
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 44.501 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)

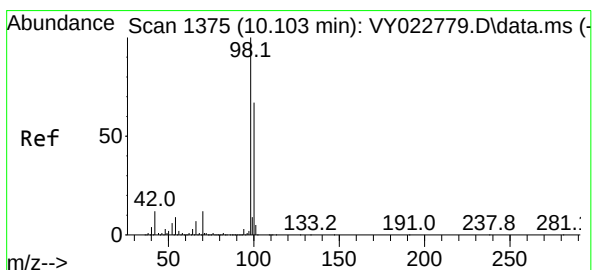
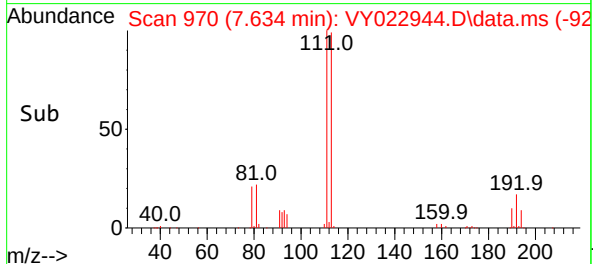
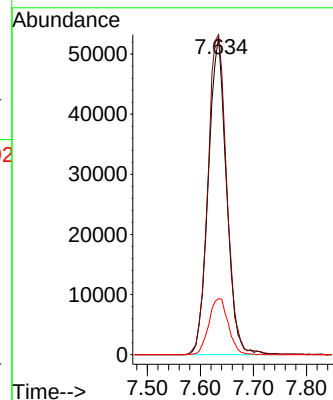
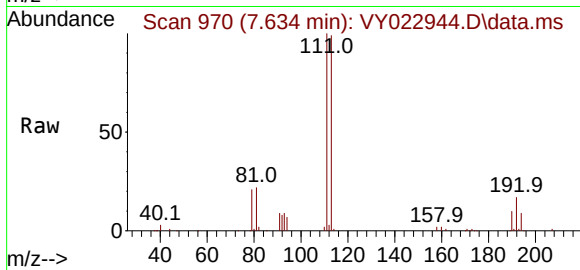
Tgt Ion:113 Resp: 125686

Ion Ratio Lower Upper

113 100

111 104.6 81.1 121.7

192 19.0 14.2 21.2



#50

Toluene-d8

Concen: 48.168 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022944.D

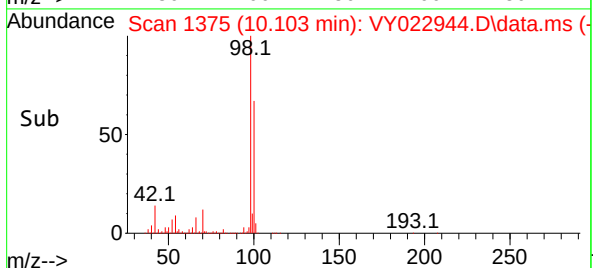
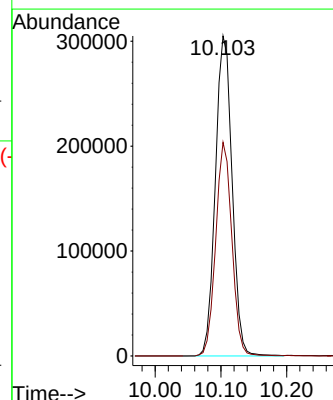
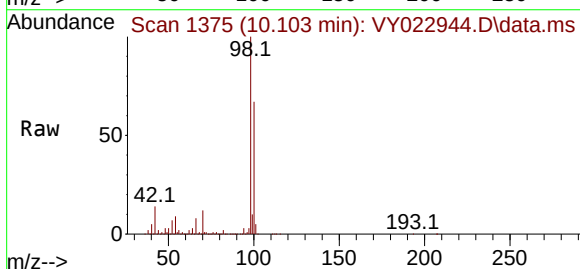
Acq: 03 Jul 2025 15:47

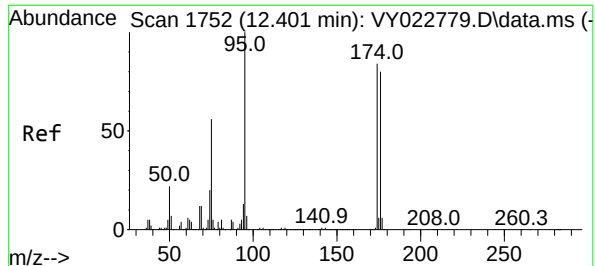
Tgt Ion: 98 Resp: 539840

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 34.679 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)

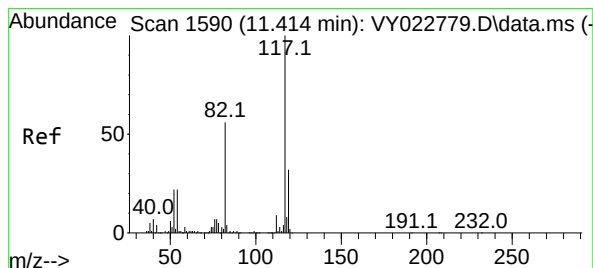
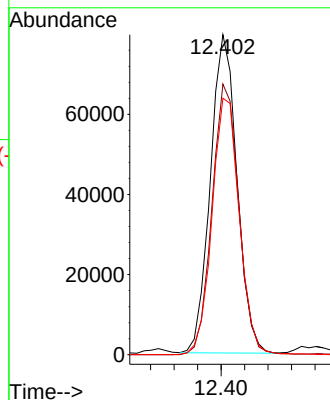
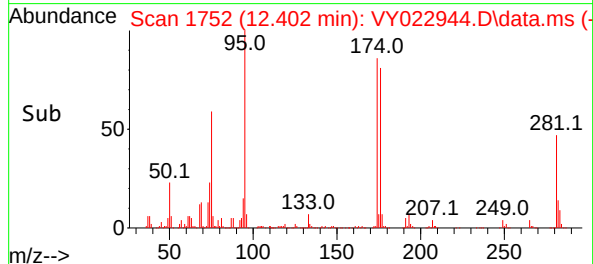
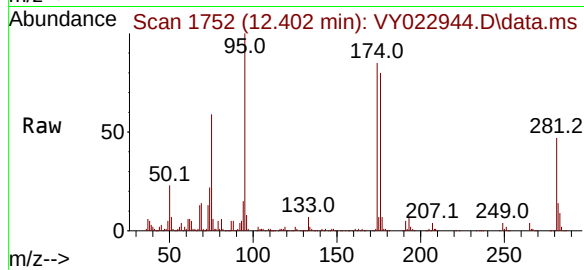
Tgt Ion: 95 Resp: 124944

Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.0

176 82.7 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

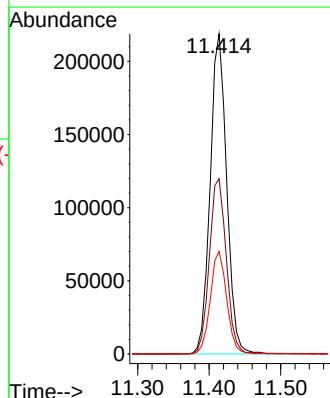
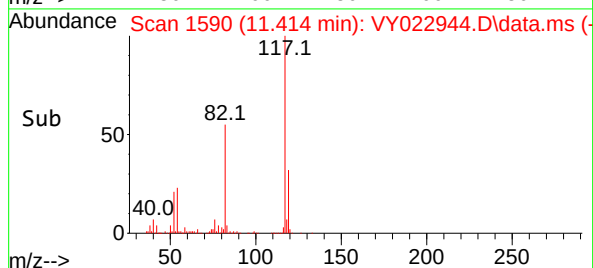
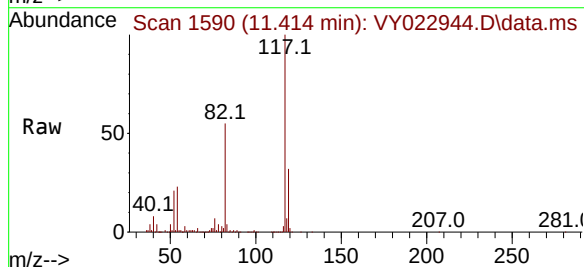
Tgt Ion: 117 Resp: 350783

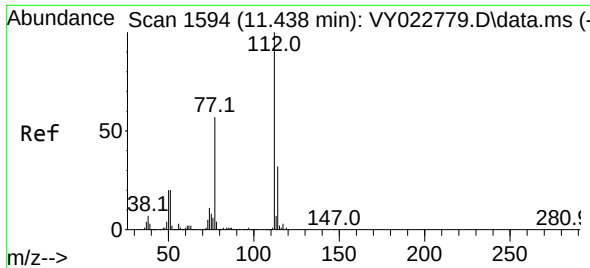
Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 32.0 25.4 38.0





#65

Chlorobenzene

Concen: 2.669 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

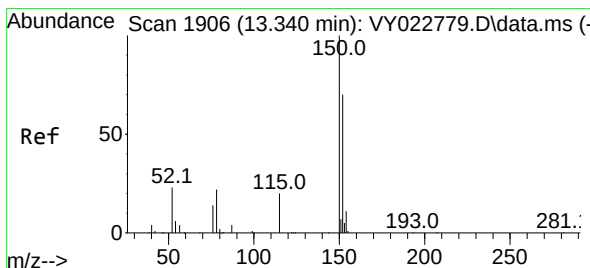
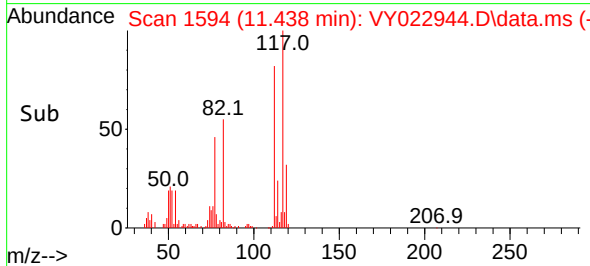
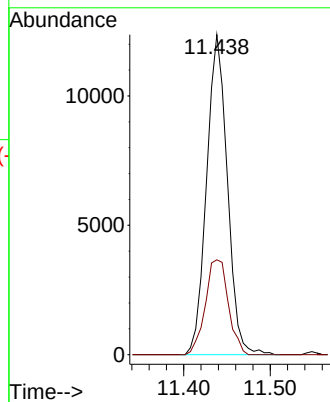
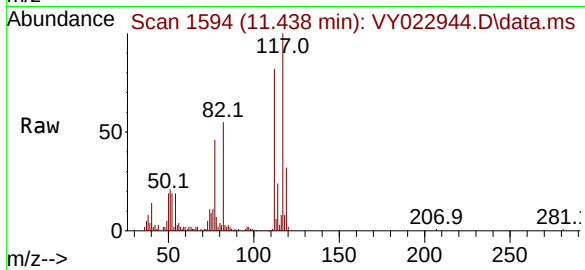
G1(4.5)

Tgt Ion:112 Resp: 20574

Ion Ratio Lower Upper

112 100

114 29.7 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022944.D

Acq: 03 Jul 2025 15:47

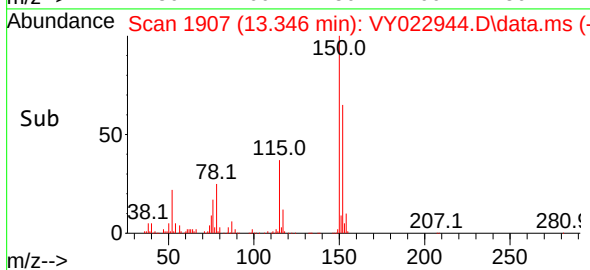
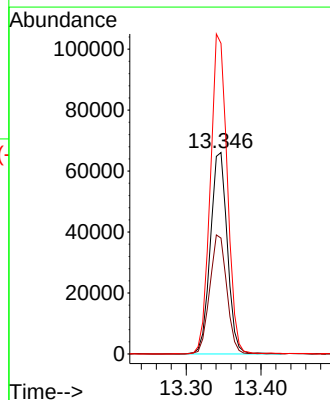
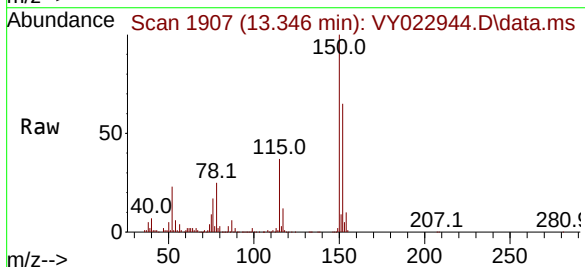
Tgt Ion:152 Resp: 104418

Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 158.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022944.D
 Acq On : 03 Jul 2025 15:47
 Operator : SY/MD
 Sample : Q2487-07
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(4.5)

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\82Y062325S.M
 Title : SW846 8260

Signal : TIC: VY022944.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	27	rVB3	17711	29127	1.98%	0.352%
2	2.092	53	61	62	rBV3	7884	17220	1.17%	0.208%
3	2.178	70	75	76	rBV2	14784	21265	1.45%	0.257%
4	3.860	344	351	359	rBV2	14542	40949	2.78%	0.494%
5	4.104	381	391	401	rBV2	18436	48937	3.33%	0.591%
6	4.616	461	475	491	rBV7	13110	61037	4.15%	0.737%
7	6.896	839	849	861	rBV2	6923	20687	1.41%	0.250%
8	7.634	960	970	975	rBV2	177009	425026	28.89%	5.129%
9	7.707	975	982	993	rVB	377626	854930	58.11%	10.318%
10	8.055	1031	1039	1049	rBV	117155	266076	18.09%	3.211%
11	8.610	1121	1130	1144	rBV	546085	1114484	75.75%	13.450%
12	9.859	1328	1335	1342	rBV4	10296	22271	1.51%	0.269%
13	10.103	1367	1375	1393	rBV	840164	1471205	100.00%	17.755%
14	10.268	1397	1402	1414	rVB4	10231	25055	1.70%	0.302%
15	11.012	1520	1524	1529	rVB4	9610	15589	1.06%	0.188%
16	11.066	1529	1533	1537	rBV5	9083	15337	1.04%	0.185%
17	11.219	1553	1558	1567	rVB6	10572	22768	1.55%	0.275%
18	11.414	1582	1590	1600	rBV	689668	1196613	81.34%	14.442%
19	11.664	1625	1631	1641	rVB7	24982	71838	4.88%	0.867%
20	11.822	1651	1657	1665	rVB	26816	44412	3.02%	0.536%
21	11.908	1665	1671	1677	rBV6	12522	26592	1.81%	0.321%
22	11.975	1677	1682	1688	rBV	26607	47687	3.24%	0.576%
23	12.109	1695	1704	1710	rBV9	11562	32890	2.24%	0.397%
24	12.225	1716	1723	1727	rBV6	14298	29623	2.01%	0.358%
25	12.341	1735	1742	1746	rBV8	9201	18830	1.28%	0.227%
26	12.408	1746	1753	1761	rVV3	605401	1166955	79.32%	14.084%
27	12.475	1761	1764	1770	rVV6	17780	38192	2.60%	0.461%
28	12.560	1771	1778	1785	rVB9	12879	34588	2.35%	0.417%
29	12.731	1801	1806	1813	rBV8	19327	39175	2.66%	0.473%
30	12.828	1814	1822	1824	rVV7	11128	28346	1.93%	0.342%
31	12.865	1824	1828	1835	rVB7	24959	42655	2.90%	0.515%
32	12.993	1840	1849	1854	rBV8	16458	36218	2.46%	0.437%
33	13.151	1871	1875	1878	rBV2	13746	20534	1.40%	0.248%
34	13.200	1880	1883	1891	rVB6	16047	31566	2.15%	0.381%
35	13.340	1893	1906	1913	rBV	431164	715040	48.60%	8.630%
36	13.407	1914	1917	1921	rVB5	10680	16759	1.14%	0.202%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

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\82Y062325S.M

Title : SW846 8260

37	13.670	1953	1960	1969	rVB5	13240	34898	2.37%	0.421%
38	13.883	1989	1995	2007	rVB5	27214	61214	4.16%	0.739%
39	14.133	2031	2036	2041	rBV	18440	30785	2.09%	0.372%
40	14.194	2041	2046	2050	rBV4	8576	17142	1.17%	0.207%
41	14.432	2081	2085	2090	rVV2	10808	15524	1.06%	0.187%
42	15.194	2205	2210	2214	rBV5	9059	15893	1.08%	0.192%

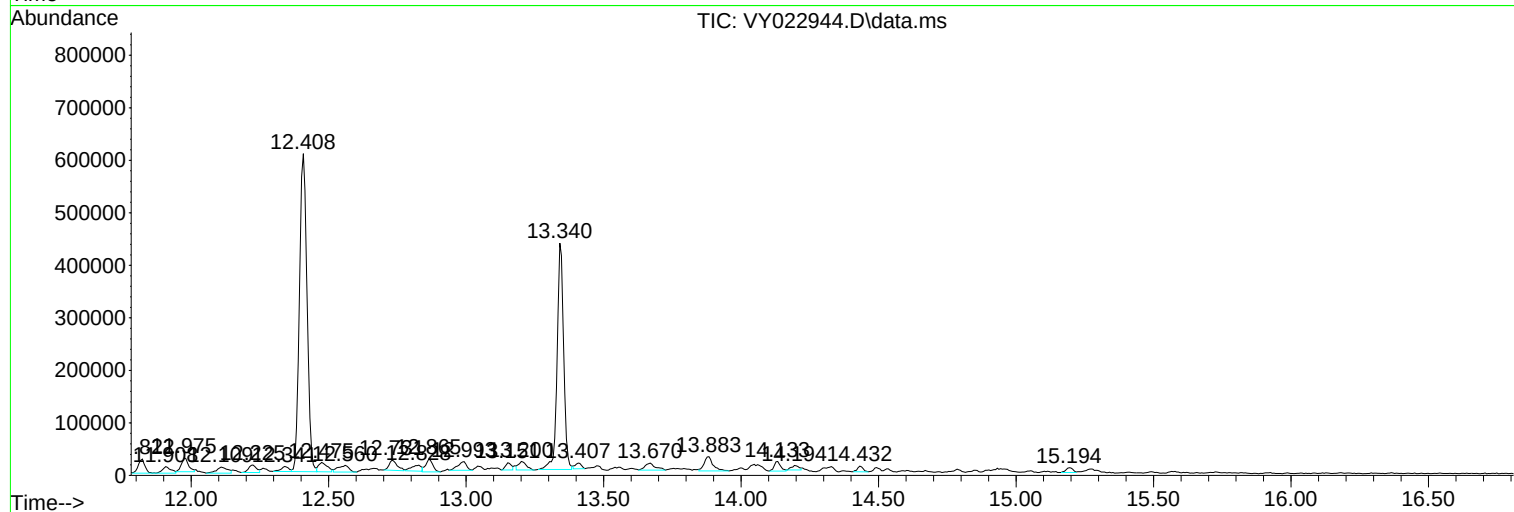
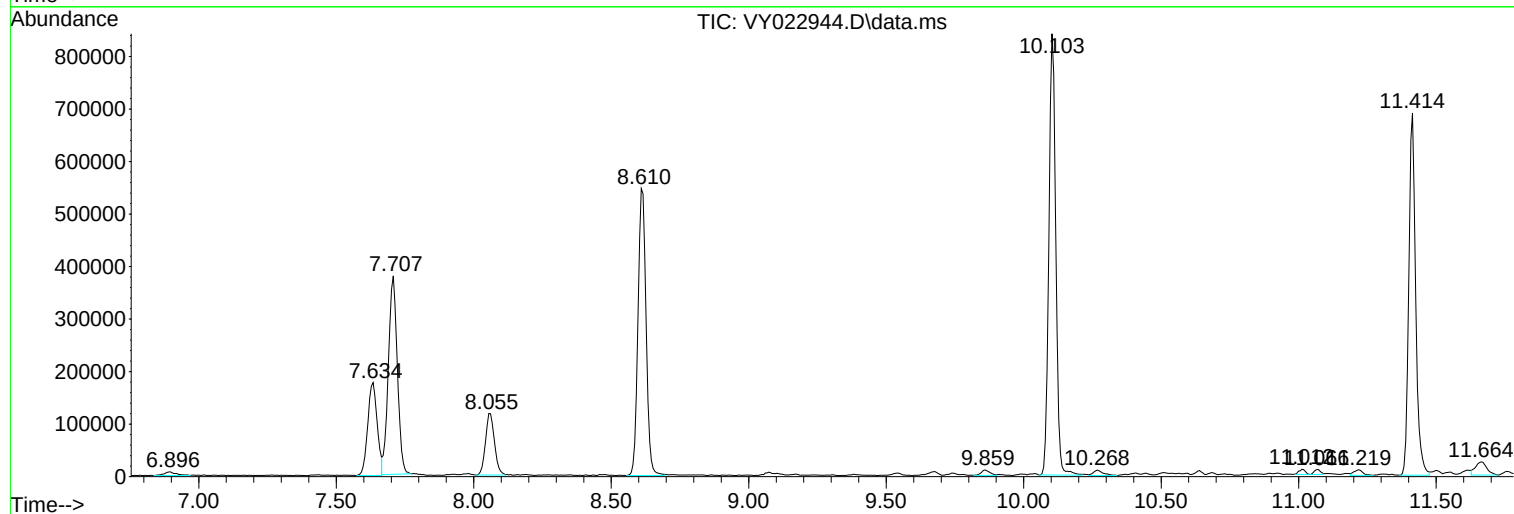
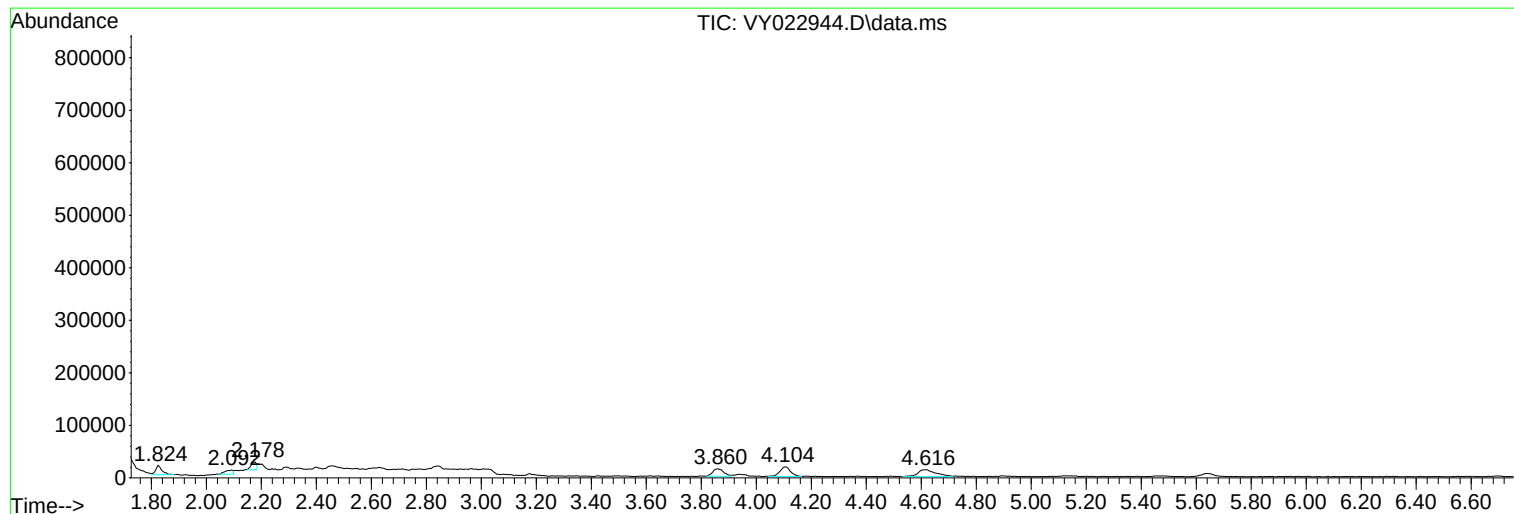
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G1(4.5)RE		SDG No.:	Q2487	
Lab Sample ID:	Q2487-07RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.4	
Sample Wt/Vol:	5.42	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022955.D	1	07/07/25 13:15	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	7.10	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	7.10	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.10	ug/Kg
74-83-9	Bromomethane	1.50	U	1.50	7.10	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.70	U	1.70	7.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	7.10	ug/Kg
67-64-1	Acetone	26.3	J	6.70	35.3	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	7.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	7.10	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	7.10	ug/Kg
75-09-2	Methylene Chloride	5.00	UQ	5.00	14.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	7.10	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	7.10	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.10	ug/Kg
78-93-3	2-Butanone	9.20	U	9.20	35.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.10	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	7.10	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.10	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.10	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.10	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.10	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	7.10	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.10	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	35.3	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.10	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G1(4.5)RE		SDG No.:	Q2487	
Lab Sample ID:	Q2487-07RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.4	
Sample Wt/Vol:	5.42	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022955.D	1	07/07/25 13:15	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.92	U	0.92	7.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.87	U	0.87	7.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.10	ug/Kg
591-78-6	2-Hexanone	5.20	U	5.20	35.3	ug/Kg
124-48-1	Dibromochloromethane	1.20	U	1.20	7.10	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.10	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.10	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.10	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	7.10	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	14.1	ug/Kg
95-47-6	o-Xylene	1.20	U	1.20	7.10	ug/Kg
100-42-5	Styrene	1.00	U	1.00	7.10	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.10	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	2.40	7.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	2.20	7.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	2.00	7.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	2.60	7.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	4.20	7.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.50	U	4.50	7.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.8		63 - 155	80%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.707			
540-36-3	1,4-Difluorobenzene	238000	8.616			
3114-55-4	Chlorobenzene-d5	199000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	72500	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G1(4.5)RE		SDG No.:	Q2487	
Lab Sample ID:	Q2487-07RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.4	
Sample Wt/Vol:	5.42	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022955.D	1	07/07/25 13:15	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070725\
 Data File : VY022955.D
 Acq On : 07 Jul 2025 13:15
 Operator : SY/MD
 Sample : Q2487-07RE
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(4.5)RE

Quant Time: Jul 08 01:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

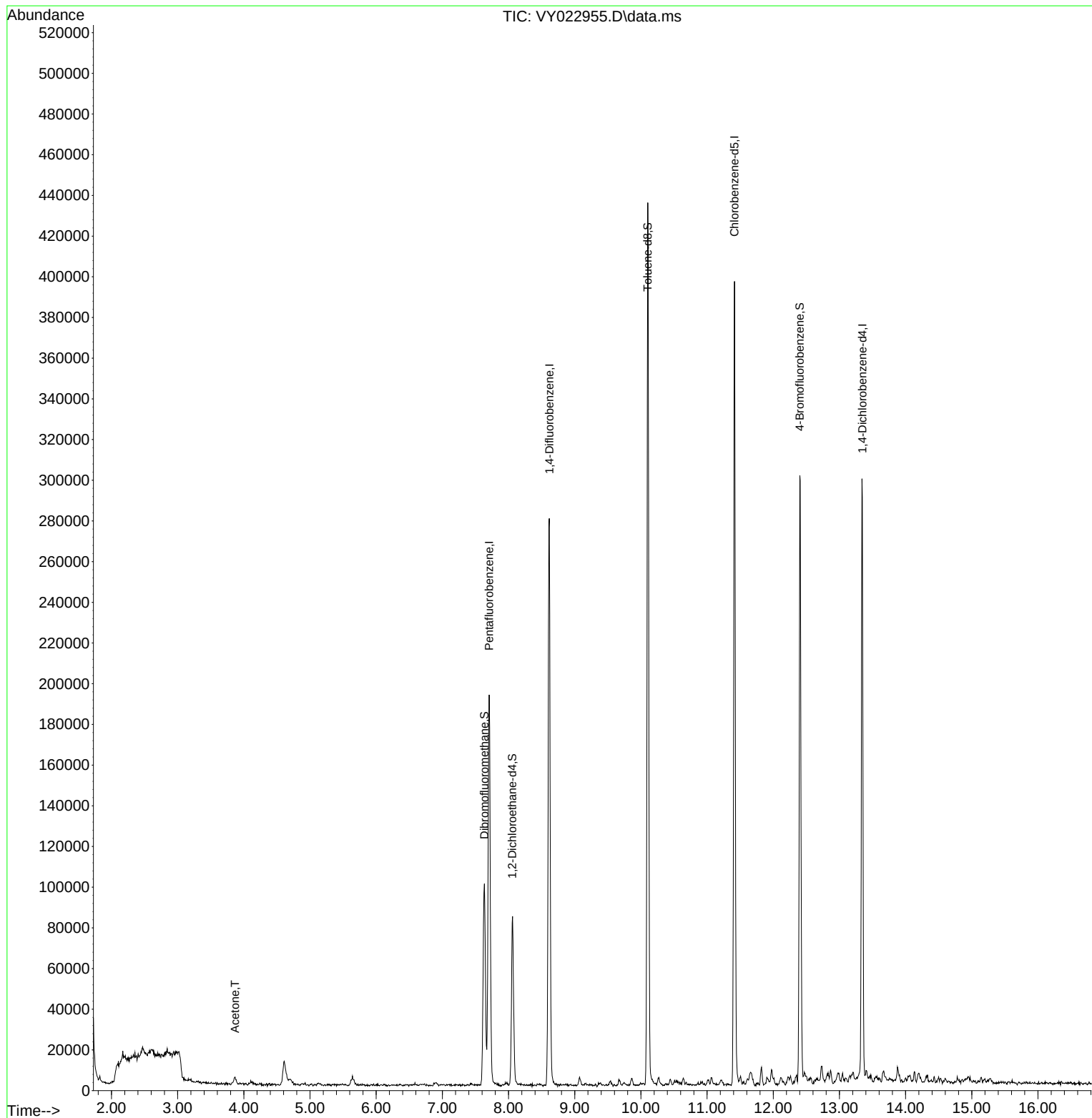
Internal Standards						
1) Pentafluorobenzene	7.707	168	143475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	238103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	198851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	63662	39.756	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.520%
35) Dibromofluoromethane	7.634	113	71109	49.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.103	98	277719	48.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.401	95	77315	41.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.720%
Target Compounds						
16) Acetone	3.866	43	5636	18.621	ug/l	Qvalue # 82

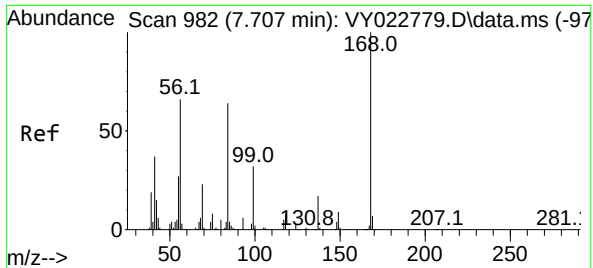
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022955.D
Acq On : 07 Jul 2025 13:15
Operator : SY/MD
Sample : Q2487-07RE
Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

Quant Time: Jul 08 01:46:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

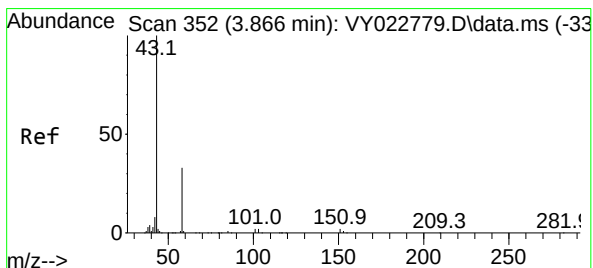
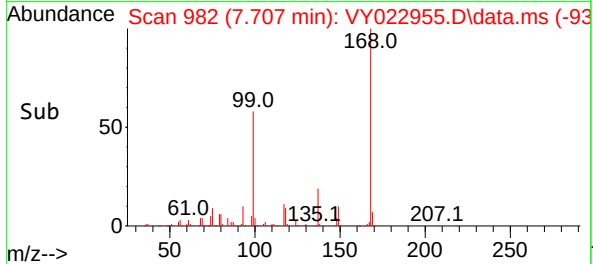
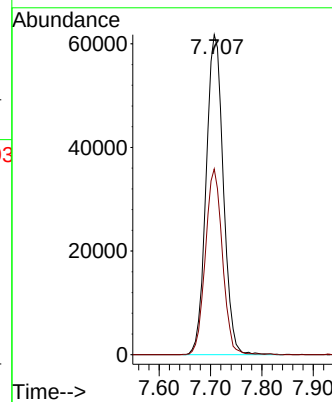
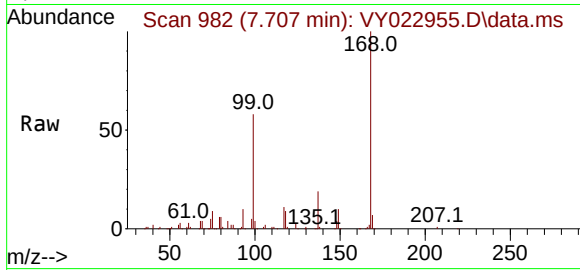




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

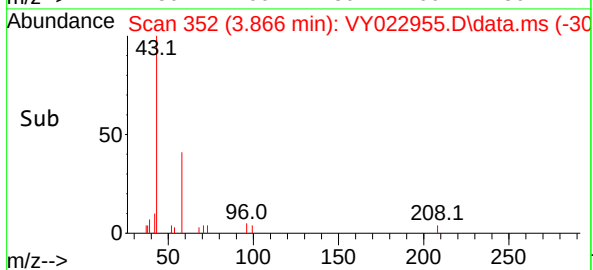
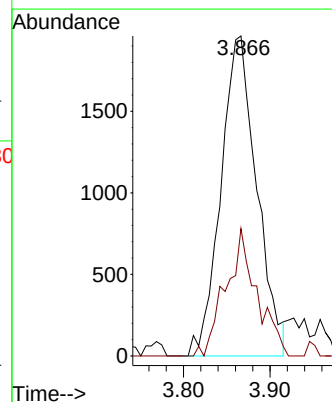
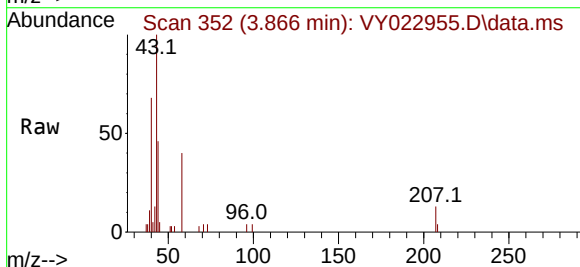
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

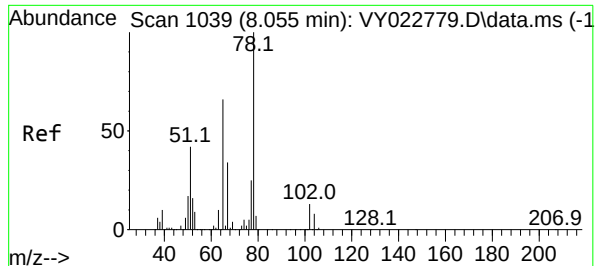
Tgt Ion:168 Resp: 143475
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#16
Acetone
Concen: 18.621 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 43 Resp: 5636
Ion Ratio Lower Upper
43 100
58 39.8 24.0 36.0#





#33

1,2-Dichloroethane-d4

Concen: 39.756 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022955.D

Acq: 07 Jul 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

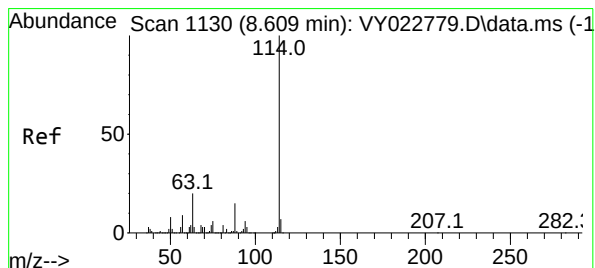
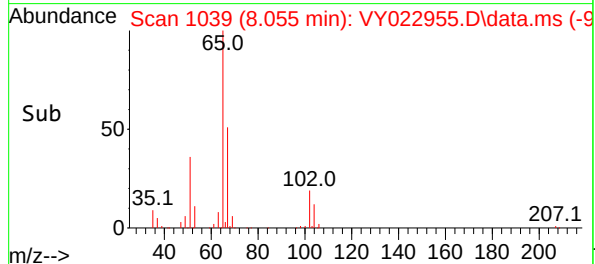
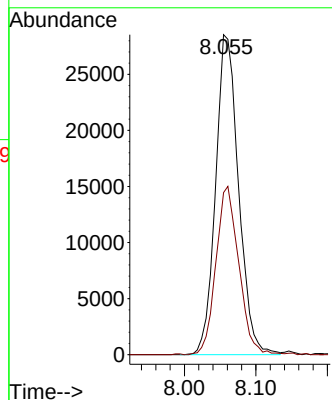
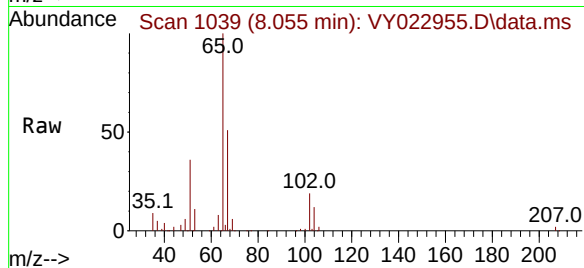
G1(4.5)RE

Tgt Ion: 65 Resp: 63662

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022955.D

Acq: 07 Jul 2025 13:15

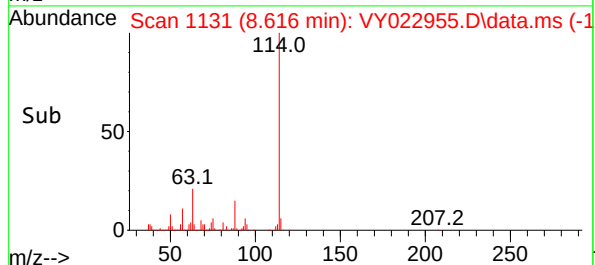
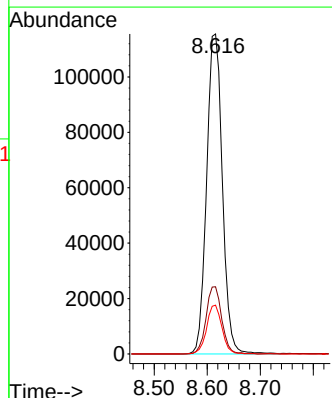
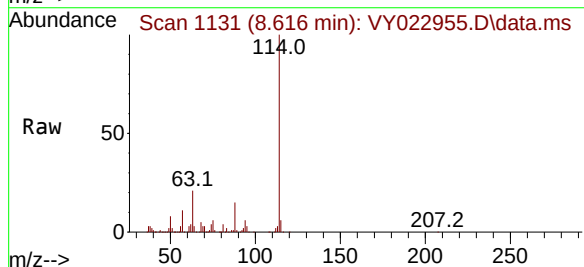
Tgt Ion:114 Resp: 238103

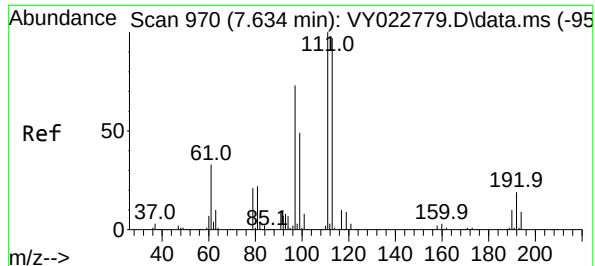
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.3 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.107 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022955.D

Acq: 07 Jul 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)RE

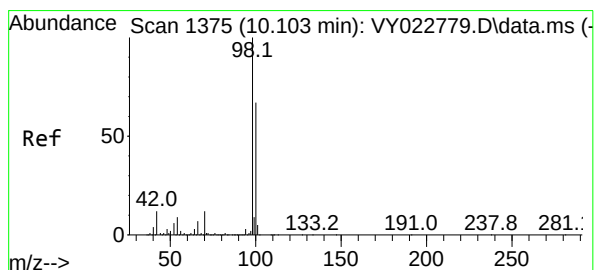
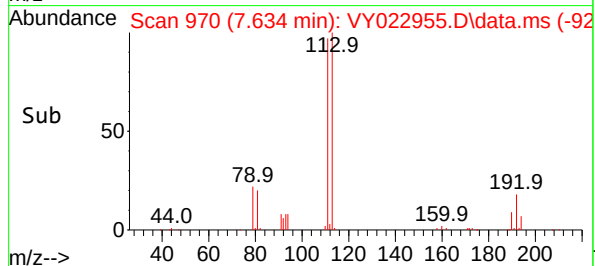
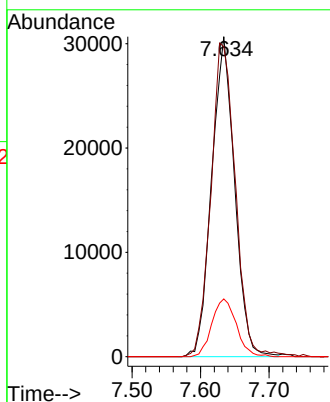
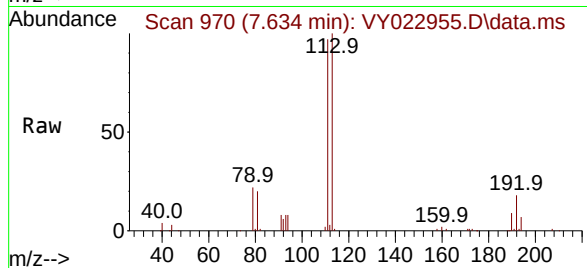
Tgt Ion:113 Resp: 71109

Ion Ratio Lower Upper

113 100

111 104.7 81.1 121.7

192 19.3 14.2 21.2



#50

Toluene-d8

Concen: 48.333 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022955.D

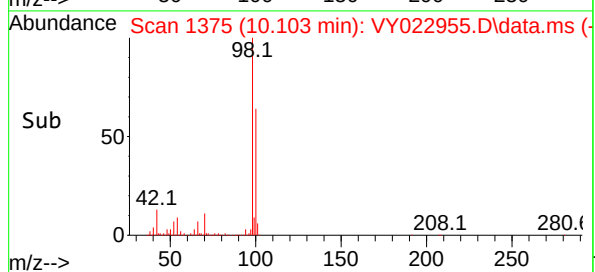
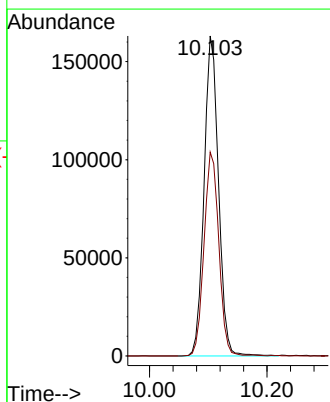
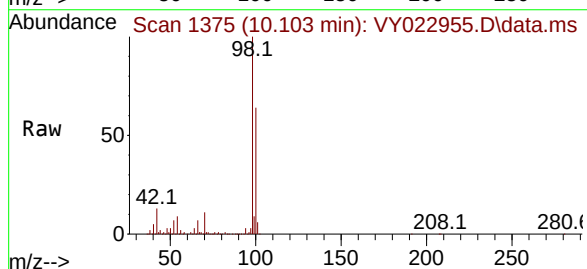
Acq: 07 Jul 2025 13:15

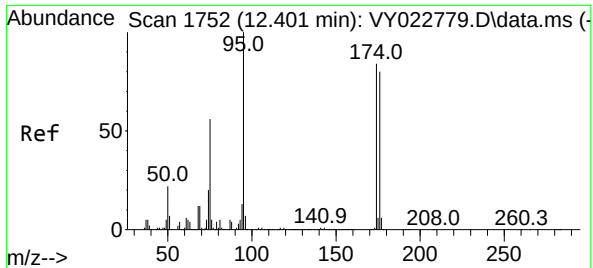
Tgt Ion: 98 Resp: 277719

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

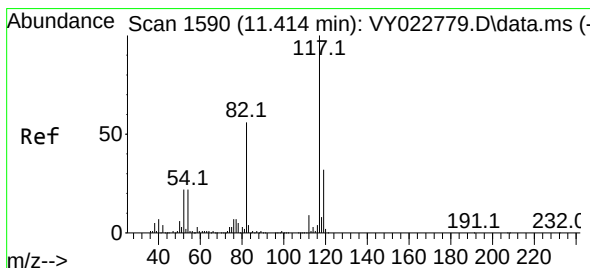
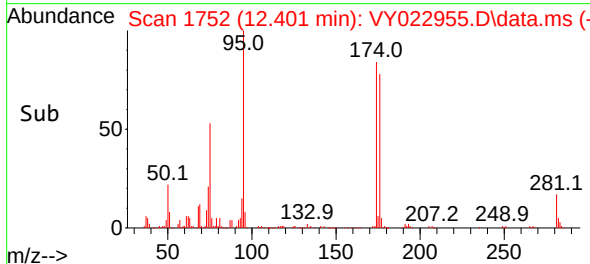
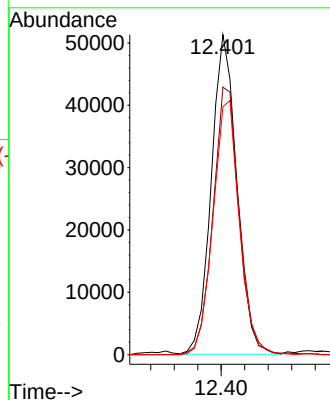
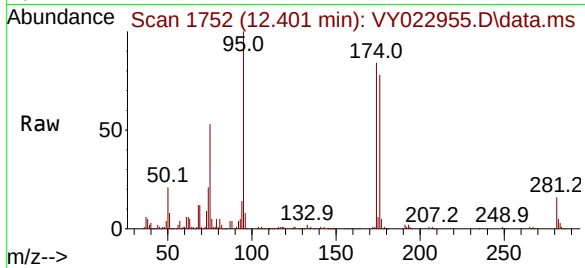




#62
4-Bromofluorobenzene
Concen: 41.856 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

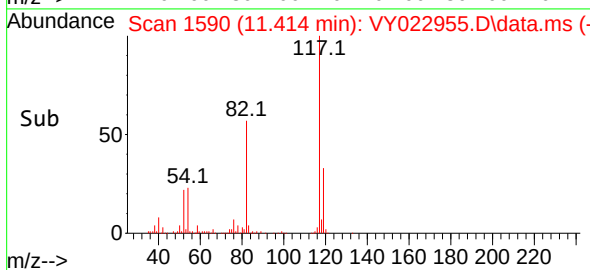
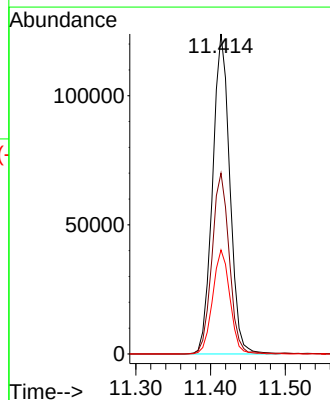
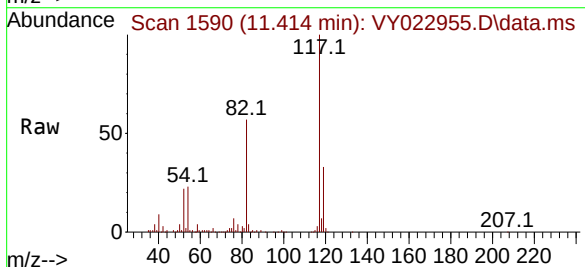
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

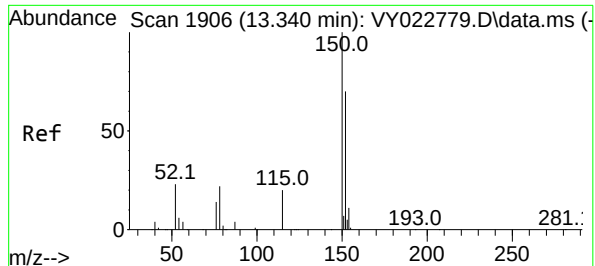
Tgt Ion: 95 Resp: 77315
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 117 Resp: 198851
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022955.D

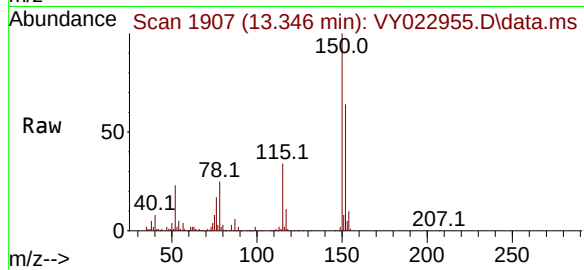
Acq: 07 Jul 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)RE



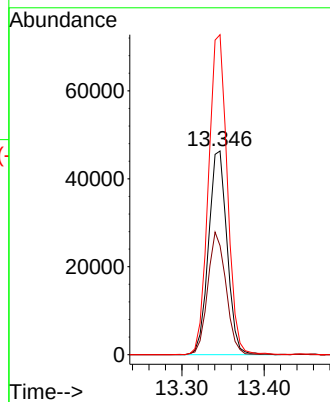
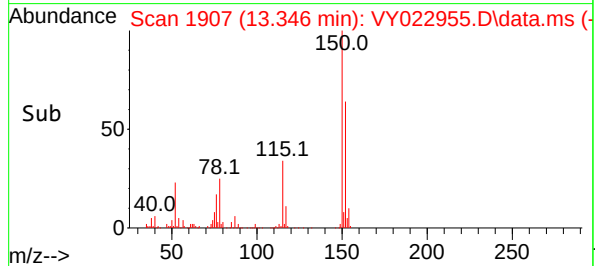
Tgt Ion:152 Resp: 72469

Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 159.5 0.0 349.6



Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	07/01/25	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	07/01/25	
Client Sample ID:	G1(10)		SDG No.:	Q2487	
Lab Sample ID:	Q2487-08		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	55.1	
Sample Wt/Vol:	3.38	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022956.D	1	07/07/25 13:38	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.10	U	3.10	13.4	ug/Kg
74-87-3	Chloromethane	3.10	U	3.10	13.4	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	2.10	13.4	ug/Kg
74-83-9	Bromomethane	2.90	U	2.90	13.4	ug/Kg
75-00-3	Chloroethane	3.40	U	3.40	13.4	ug/Kg
75-69-4	Trichlorofluoromethane	3.20	U	3.20	13.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.80	U	2.80	13.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.70	U	2.70	13.4	ug/Kg
67-64-1	Acetone	1200		12.7	67.1	ug/Kg
75-15-0	Carbon Disulfide	5.00	J	2.80	13.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	2.00	13.4	ug/Kg
79-20-9	Methyl Acetate	4.10	U	4.10	13.4	ug/Kg
75-09-2	Methylene Chloride	21.0	JQ	9.50	26.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	2.30	13.4	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	2.10	13.4	ug/Kg
110-82-7	Cyclohexane	2.10	U	2.10	13.4	ug/Kg
78-93-3	2-Butanone	290		17.6	67.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.60	U	2.60	13.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	2.00	13.4	ug/Kg
74-97-5	Bromochloromethane	3.10	U	3.10	13.4	ug/Kg
67-66-3	Chloroform	2.30	U	2.30	13.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	2.50	13.4	ug/Kg
108-87-2	Methylcyclohexane	2.40	U	2.40	13.4	ug/Kg
71-43-2	Benzene	2.10	U	2.10	13.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	2.10	13.4	ug/Kg
79-01-6	Trichloroethene	2.20	U	2.20	13.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.40	U	2.40	13.4	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	2.10	13.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.60	U	9.60	67.1	ug/Kg
108-88-3	Toluene	2.10	U	2.10	13.4	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(10)	SDG No.:	Q2487
Lab Sample ID:	Q2487-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.1
Sample Wt/Vol:	3.38	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022956.D	1	07/07/25 13:38	VY070725

[illegible]

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(10)	SDG No.:	Q2487
Lab Sample ID:	Q2487-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.1
Sample Wt/Vol:	3.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022956.D	1	07/07/25 13:38	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000115-07-1	Propene	17.5	J		1.82	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\VY070725\
 Data File : VY022956.D
 Acq On : 07 Jul 2025 13:38
 Operator : SY/MD
 Sample : Q2487-08
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(10)

Quant Time: Jul 08 01:46:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

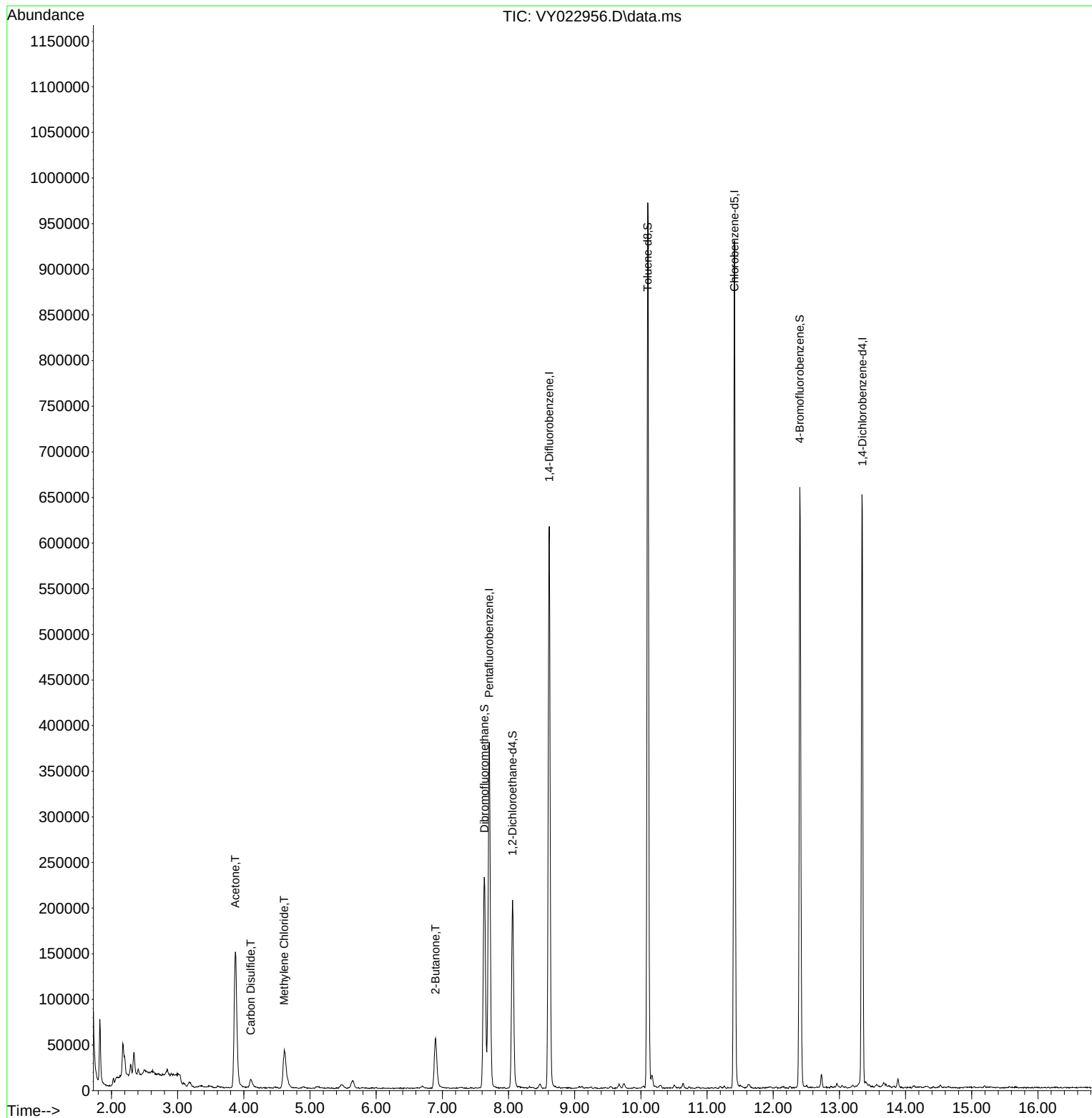
Internal Standards						
1) Pentafluorobenzene	7.707	168	283210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	471025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163131	51.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.634	113	168212	53.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.103	98	621930	49.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.401	95	182265	45.494	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	274566	459.574	ug/l	97
17) Carbon Disulfide	4.104	76	17293	1.867	ug/l	98
20) Methylene Chloride	4.610	84	29536	7.828	ug/l	98
25) 2-Butanone	6.896	43	93388	107.401	ug/l	96

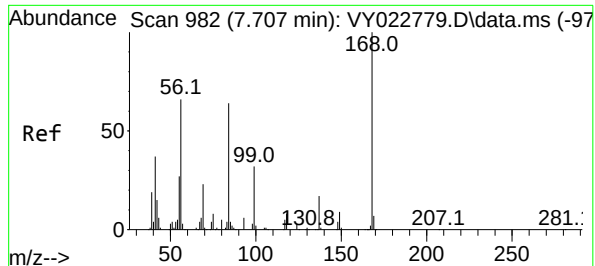
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022956.D
Acq On : 07 Jul 2025 13:38
Operator : SY/MD
Sample : Q2487-08
Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

Quant Time: Jul 08 01:46:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

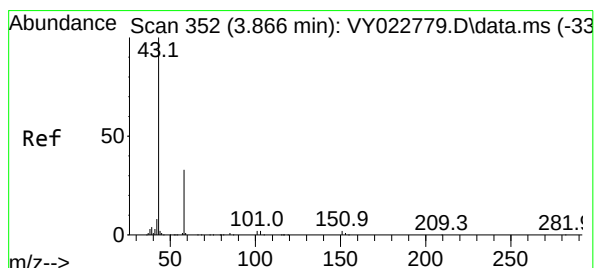
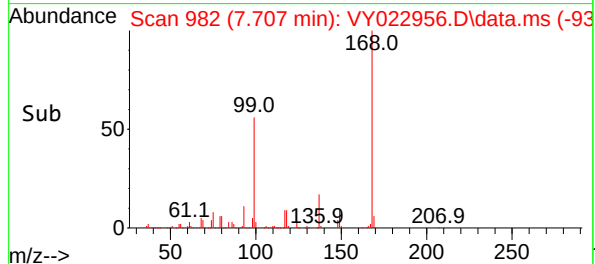
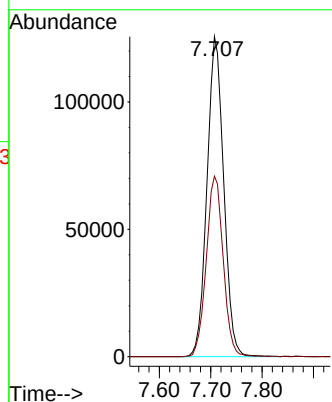
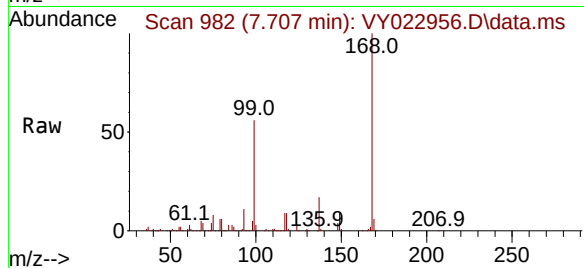




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

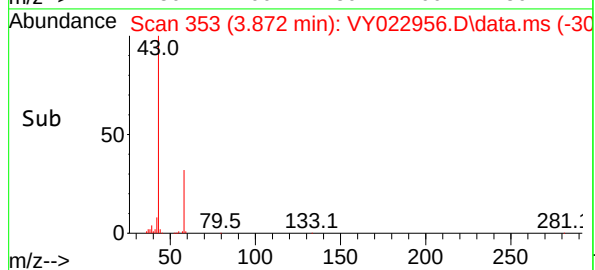
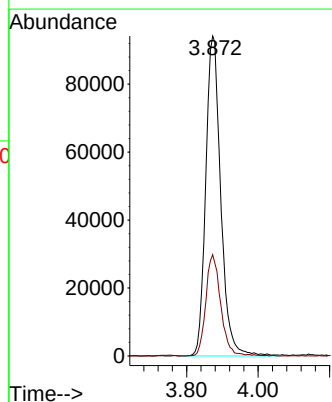
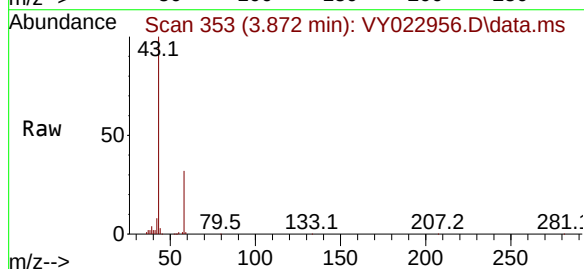
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

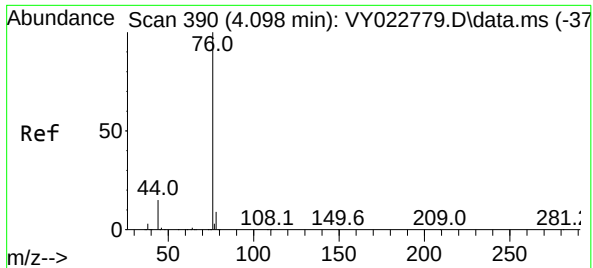
Tgt Ion:168 Resp: 283210
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 459.574 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 43 Resp: 274566
Ion Ratio Lower Upper
43 100
58 31.7 24.0 36.0

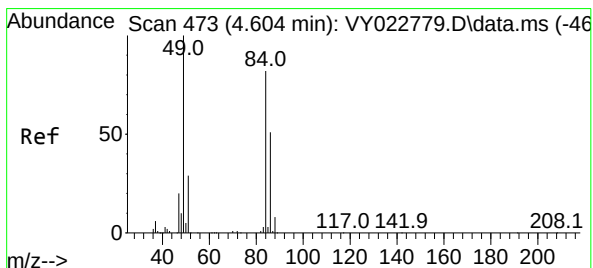
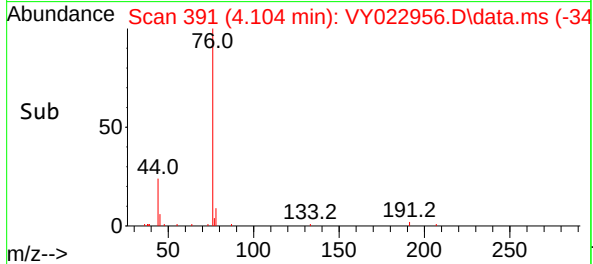
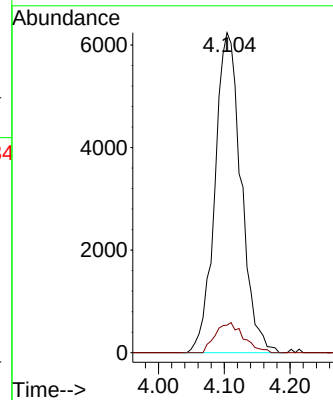
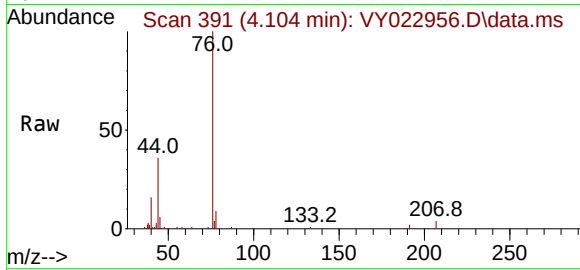




#17
Carbon Disulfide
Concen: 1.867 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

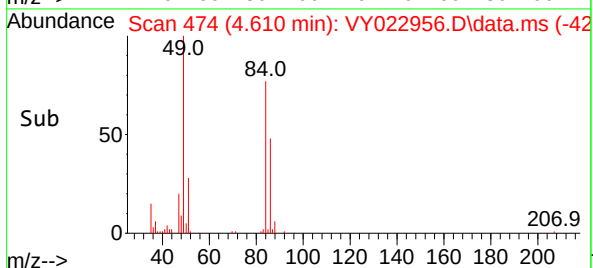
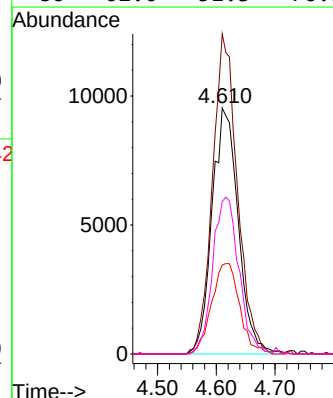
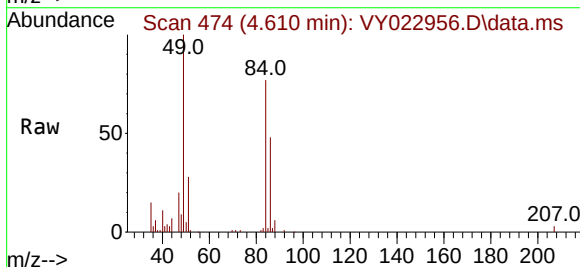
Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

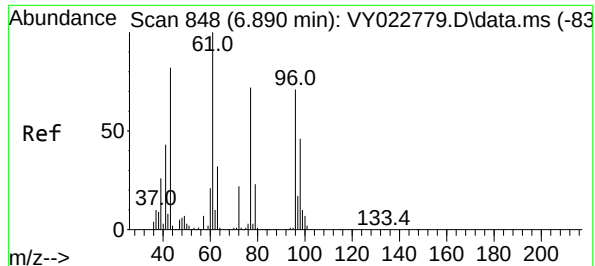
Tgt Ion: 76 Resp: 17293
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#20
Methylene Chloride
Concen: 7.828 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022956.D
Acq: 07 Jul 2025 13:38

Tgt Ion: 84 Resp: 29536
Ion Ratio Lower Upper
84 100
49 130.1 101.9 152.9
51 36.2 29.8 44.8
86 62.0 51.3 76.9





#25

2-Butanone

Concen: 107.401 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

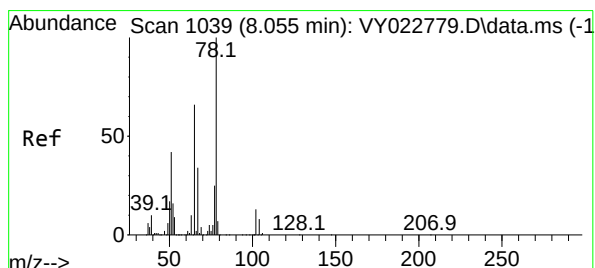
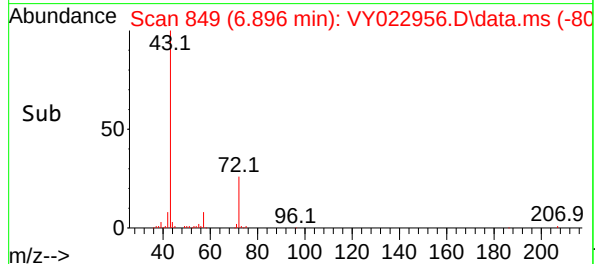
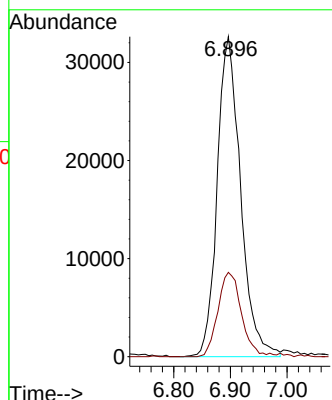
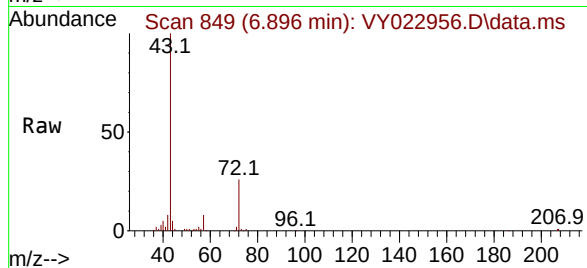
G1(10)

Tgt Ion: 43 Resp: 93388

Ion Ratio Lower Upper

43 100

72 26.4 22.9 34.3



#33

1,2-Dichloroethane-d4

Concen: 51.609 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022956.D

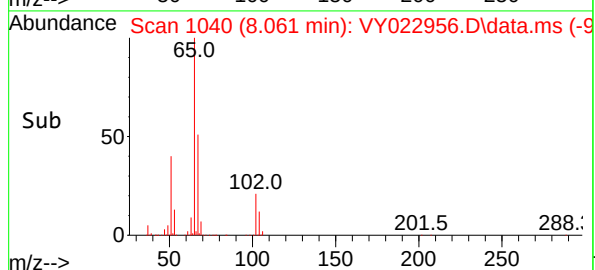
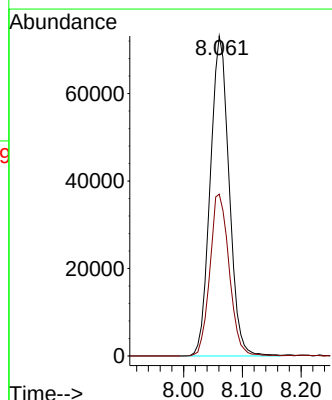
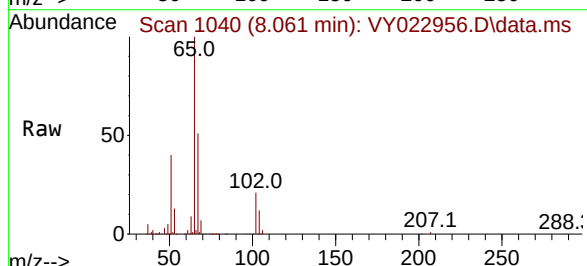
Acq: 07 Jul 2025 13:38

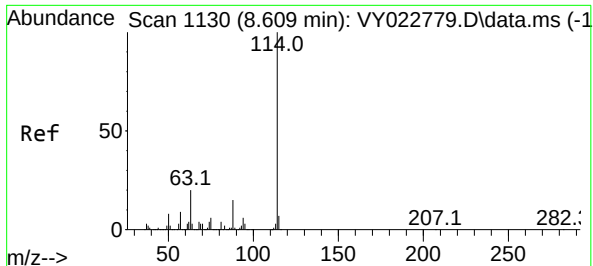
Tgt Ion: 65 Resp: 163131

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

G1(10)

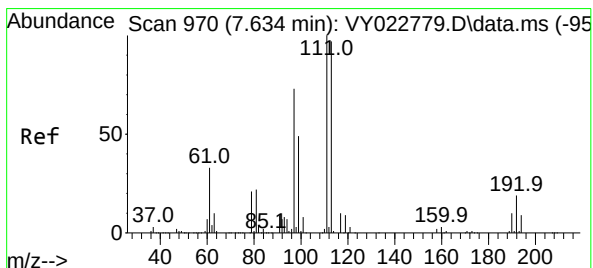
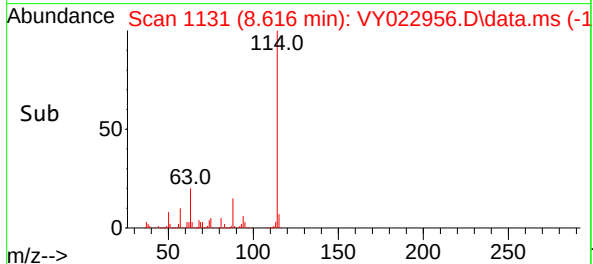
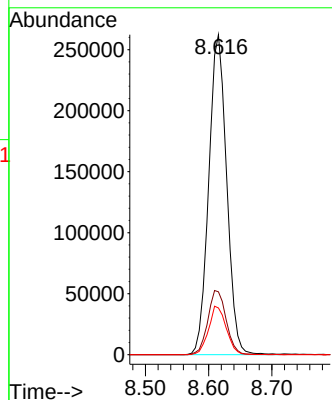
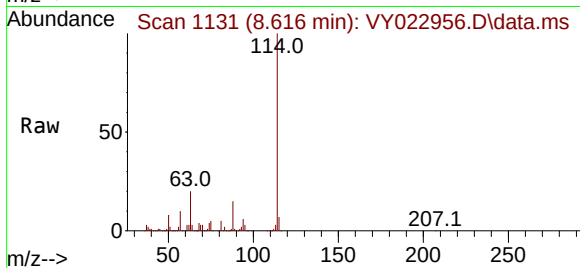
Tgt Ion:114 Resp: 516435

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.559 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

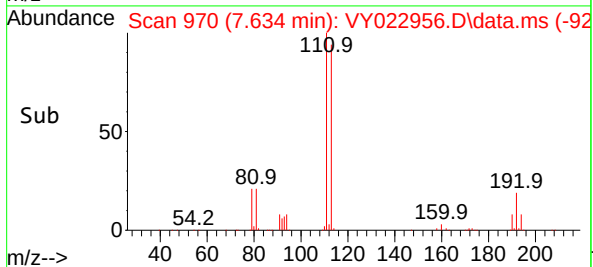
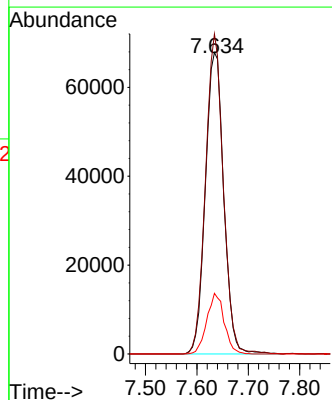
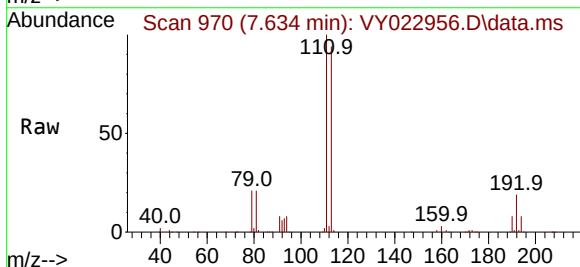
Tgt Ion:113 Resp: 168212

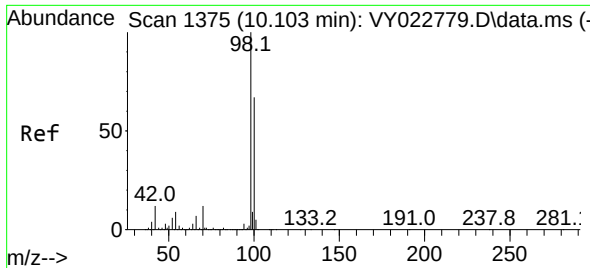
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 19.1 14.2 21.2





#50

Toluene-d8

Concen: 49.903 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

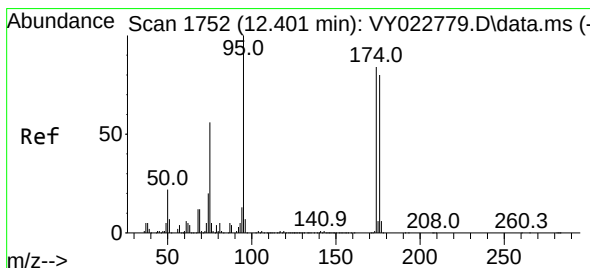
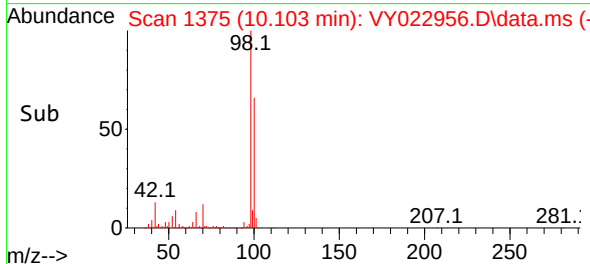
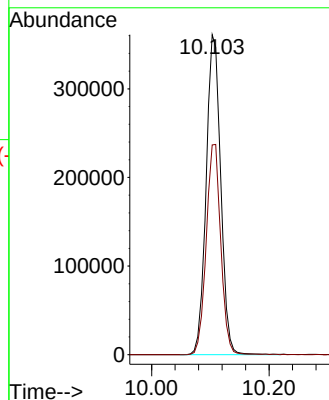
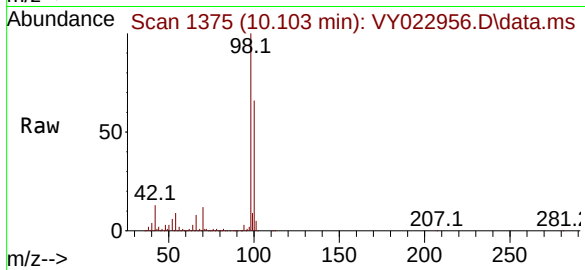
G1(10)

Tgt Ion: 98 Resp: 621930

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 45.494 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

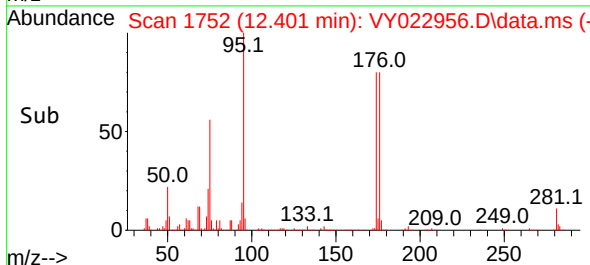
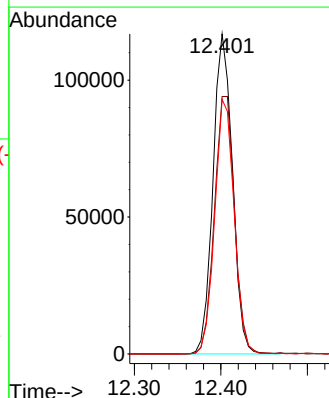
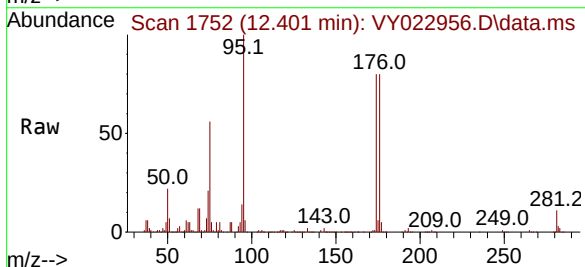
Tgt Ion: 95 Resp: 182265

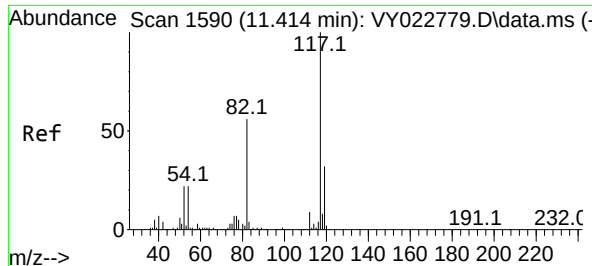
Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.0

176 79.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

G1(10)

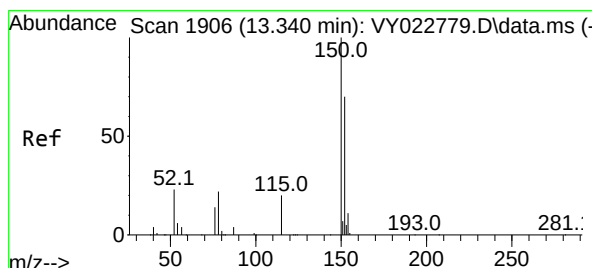
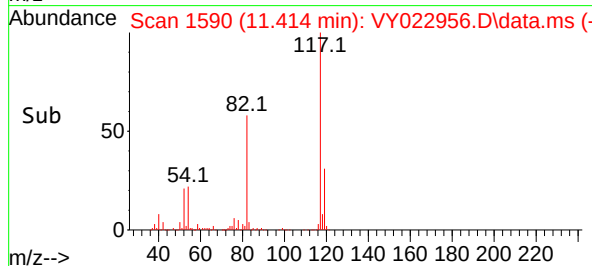
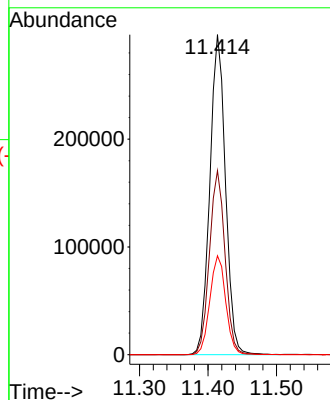
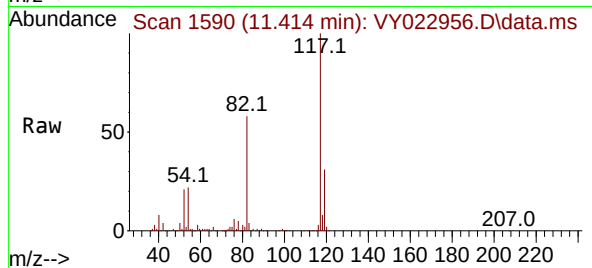
Tgt Ion:117 Resp: 471025

Ion Ratio Lower Upper

117 100

82 57.5 44.6 66.8

119 30.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022956.D

Acq: 07 Jul 2025 13:38

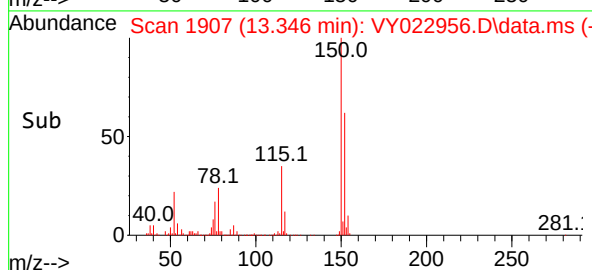
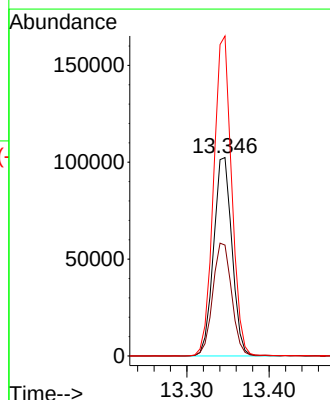
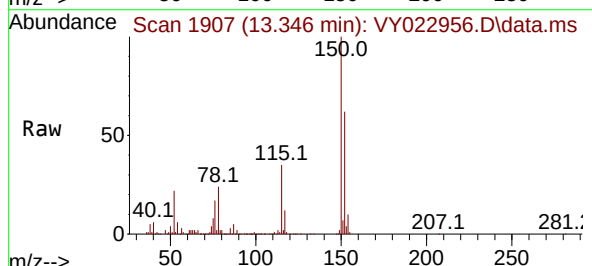
Tgt Ion:152 Resp: 158953

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 158.6 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022956.D
 Acq On : 07 Jul 2025 13:38
 Operator : SY/MD
 Sample : Q2487-08
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(10)

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022956.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	31	rVB2	72373	112844	6.72%	1.188%
2	2.172	69	74	77	rBV	35447	59897	3.57%	0.631%
3	2.342	97	102	109	rVB	23719	41120	2.45%	0.433%
4	3.872	343	353	371	rBV	148639	430345	25.62%	4.532%
5	4.104	385	391	403	rVB2	8666	24539	1.46%	0.258%
6	4.610	465	474	493	rBV3	41786	145465	8.66%	1.532%
7	5.647	634	644	656	rVB4	8403	26205	1.56%	0.276%
8	6.896	840	849	859	rBV	54773	155385	9.25%	1.636%
9	7.634	960	970	976	rBV	230799	562931	33.52%	5.928%
10	7.707	976	982	1001	rVB	378976	866957	51.62%	9.129%
11	8.061	1030	1040	1052	rBV	206145	464563	27.66%	4.892%
12	8.616	1122	1131	1143	rBV	615710	1227757	73.10%	12.929%
13	10.103	1368	1375	1383	rBV	969915	1679540	100.00%	17.686%
14	10.164	1383	1385	1391	rVB3	12373	20964	1.25%	0.221%
15	11.414	1582	1590	1601	rBV	928740	1493729	88.94%	15.730%
16	12.401	1743	1752	1764	rBV2	657907	1138813	67.81%	11.992%
17	12.725	1800	1805	1812	rVB6	14446	23540	1.40%	0.248%
18	13.340	1893	1906	1913	rBV	648525	1021703	60.83%	10.759%

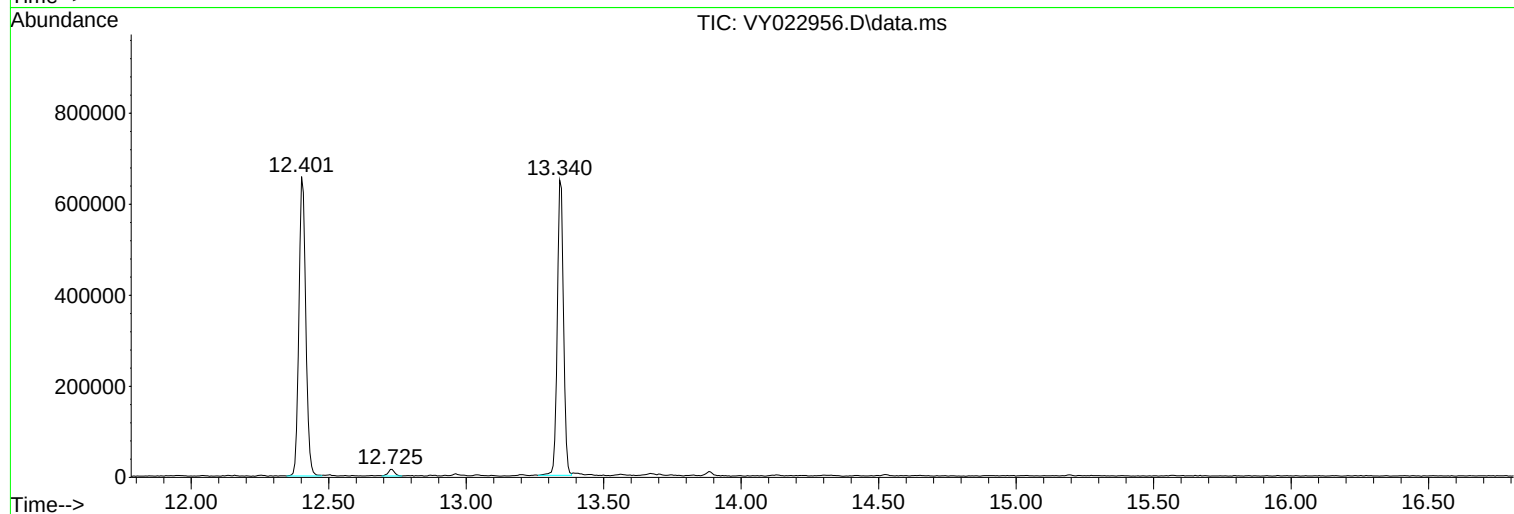
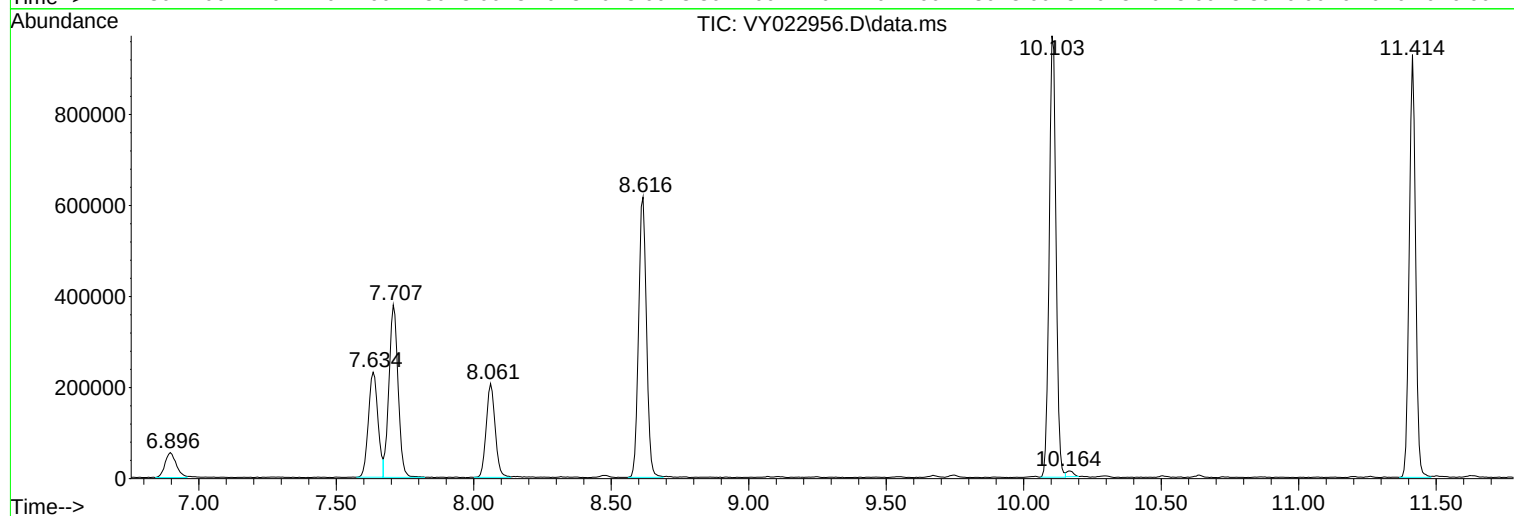
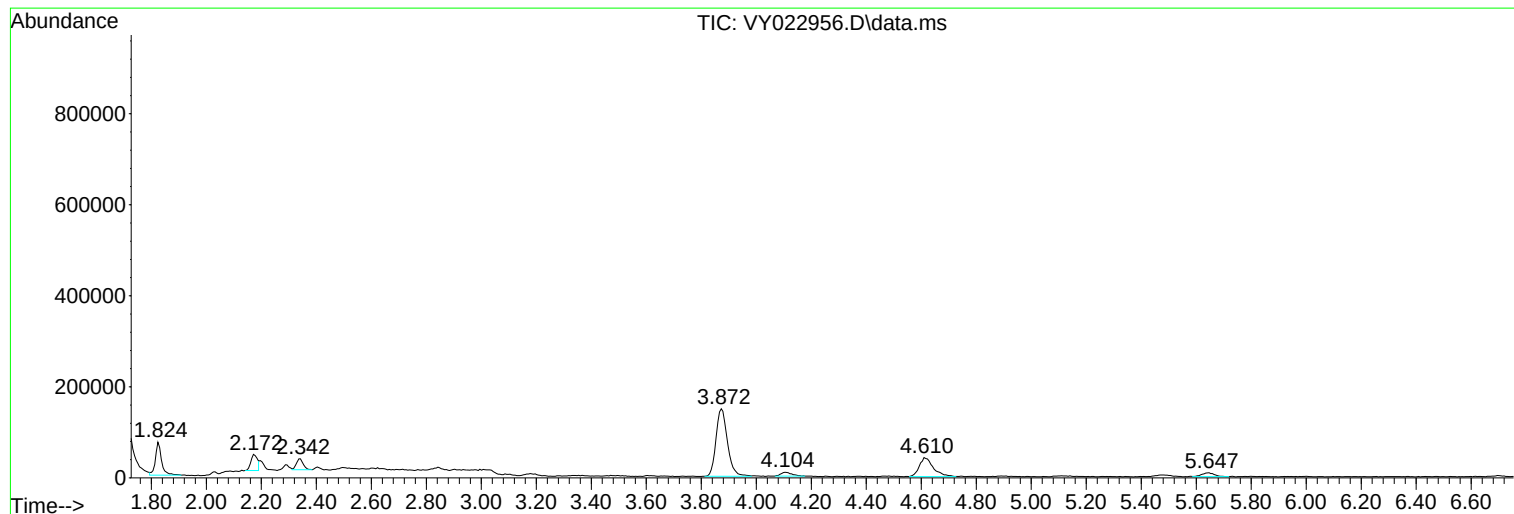
Sum of corrected areas: 9496297

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022956.D
Acq On : 07 Jul 2025 13:38
Operator : SY/MD
Sample : Q2487-08
Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022956.D
Acq On : 07 Jul 2025 13:38
Operator : SY/MD
Sample : Q2487-08
Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

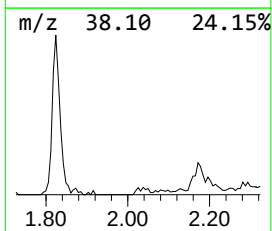
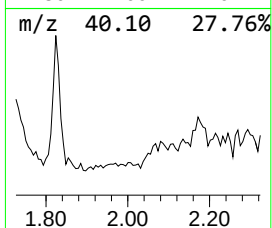
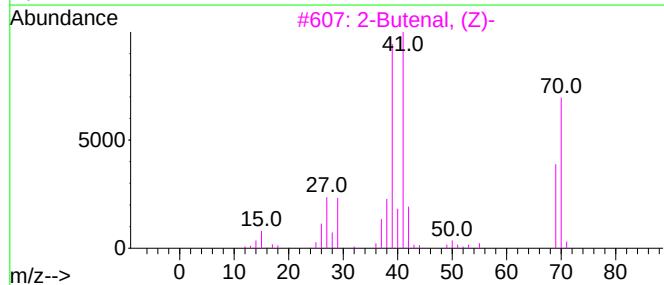
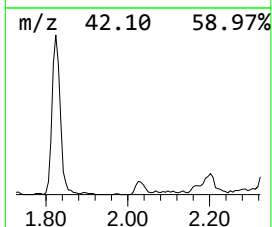
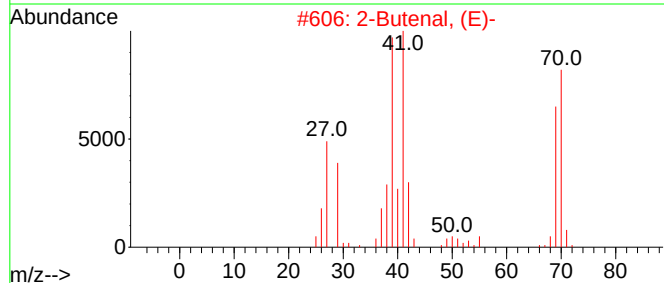
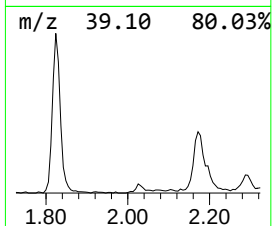
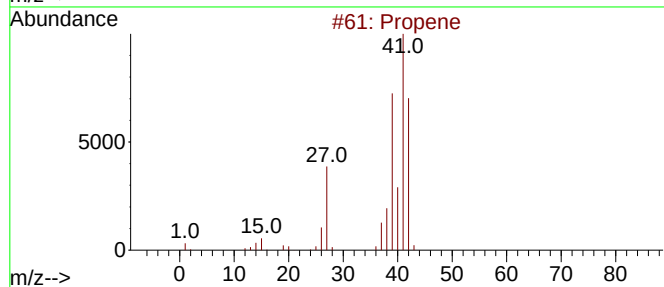
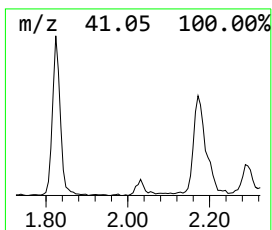
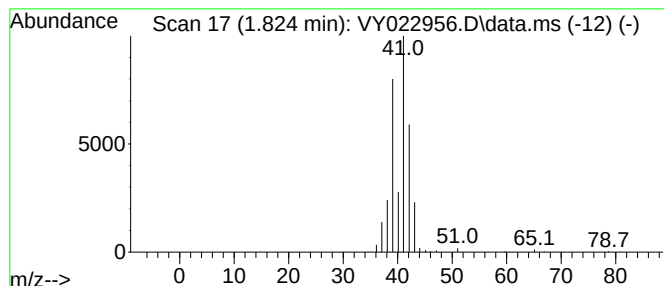
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

Peak Number 1 Propene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.824	6.51 ug/l	112844	Pentafluorobenzene	7.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			2-Butenal, (E)-	70	C4H6O	000123-73-9	78
3			2-Butenal, (Z)-	70	C4H6O	015798-64-8	64
4			Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	64
5			Cyclopropane	42	C3H6	000075-19-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022956.D
Acq On : 07 Jul 2025 13:38
Operator : SY/MD
Sample : Q2487-08
Misc : 3.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propene	1.824	6.5	ug/l	112844	1	7.707	866957	50.0



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: WALS01
 Lab Code: ACE SDG No.: Q2487
 Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022776.D	RRF010 = VY022777.D	RRF020 = VY022778.D	RRF050 = VY022779.D	RRF100 = VY022780.D	RRF150 = VY022781.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: WALS01
 Lab Code: ACE SDG No.: Q2487
 Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022776.D			RRF010 = VY022777.D		RRF020 = VY022778.D		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10					
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6					
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4					
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5					
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8					
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8					
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3					
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3					
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9					
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8					
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10					
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5					
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8					
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7					
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6					
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5					
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5					
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3					
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7					
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7					
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3					
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8					
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3					
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6					
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y062325S.M
 Title : SW846 8260
 Last Update : Tue Jun 24 08:29:52 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022776.D 10 =VY022777.D 20 =VY022778.D 50 =VY022779.D 100 =VY022780.D 150 =VY022781.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.74
3) P	Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.89
4) C	Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.78#
5) T	Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.77
6) T	Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.64
7) T	Trichlorofluor...	0.999	1.180	1.219	1.166	1.127	1.085	1.129	6.96
8) T	Diethyl Ether	0.260	0.289	0.287	0.285	0.281	0.271	0.279	3.93
9) T	1,1,2-Trichlor...	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.35
10) T	Methyl Iodide	0.451	0.542	0.567	0.626	0.611	0.575	0.562	11.12
11) T	Tert butyl alc...	0.034	0.037	0.038	0.038	0.039	0.036	0.037	4.97
12) CM	1,1-Dichloroet...	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.68#
13) T	Acrolein	0.052	0.051	0.053	0.049	0.049	0.047	0.050	4.22
14) T	Allyl chloride	0.687	0.803	0.805	0.797	0.790	0.789	0.778	5.80
15) T	Acrylonitrile	0.105	0.116	0.120	0.121	0.122	0.116	0.116	5.45
16) T	Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.91
17) T	Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.06
18) T	Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.66
19) T	Methyl tert-bu...	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.50
20) T	Methylene Chlo...	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.74
21) T	trans-1,2-Dich...	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.19
22) T	Diisopropyl ether	1.460	1.762	1.779	1.789	1.804	1.778	1.729	7.65
23) T	Vinyl Acetate	0.830	0.942	0.920	1.010	1.024	1.003	0.955	7.72
24) P	1,1-Dichloroet...	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.83
25) T	2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.37
26) T	2,2-Dichloropr...	0.801	0.930	0.927	0.884	0.863	0.847	0.875	5.65
27) T	cis-1,2-Dichlo...	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.84
28) T	Bromochloromet...	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.59
29) T	Tetrahydrofuran	0.087	0.095	0.098	0.102	0.103	0.097	0.097	6.02
30) C	Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.60#
31) T	Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.41
32) T	1,1,1-Trichlor...	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.68
33) S	1,2-Dichloroet...	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.77
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.31
36) T	1,1-Dichloropr...	0.420	0.473	0.472	0.469	0.468	0.465	0.461	4.42
37) T	Ethyl Acetate	0.181	0.198	0.198	0.206	0.210	0.200	0.199	5.09
38) T	Carbon Tetrach...	0.439	0.498	0.507	0.491	0.492	0.491	0.486	4.98
39) T	Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.65
40) TM	Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.92
41) T	Methacrylonitrile	0.118	0.137	0.129	0.120	0.108	0.123	0.122	8.16
42) TM	1,2-Dichloroet...	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.79
43) T	Isopropyl Acetate	0.348	0.408	0.424	0.436	0.442	0.424	0.413	8.29
44) TM	Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.60
45) C	1,2-Dichloropr...	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.35#
46) T	Dibromomethane	0.169	0.193	0.192	0.191	0.194	0.190	0.188	4.94
47) T	Bromodichlorom...	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.40
48) T	Methyl methacr...	0.151	0.193	0.208	0.214	0.219	0.207	0.199	12.57
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.51
50) S	Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.57
51) T	4-Methyl-2-Pen...	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.86
52) CM	Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.76#
53) T	t-1,3-Dichloro...	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10.03
54) T	cis-1,3-Dichlo...	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.55
55) T	1,1,2-Trichlor...	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.40
56) T	Ethyl methacry...	0.258	0.296	0.315	0.354	0.372	0.374	0.328	14.17

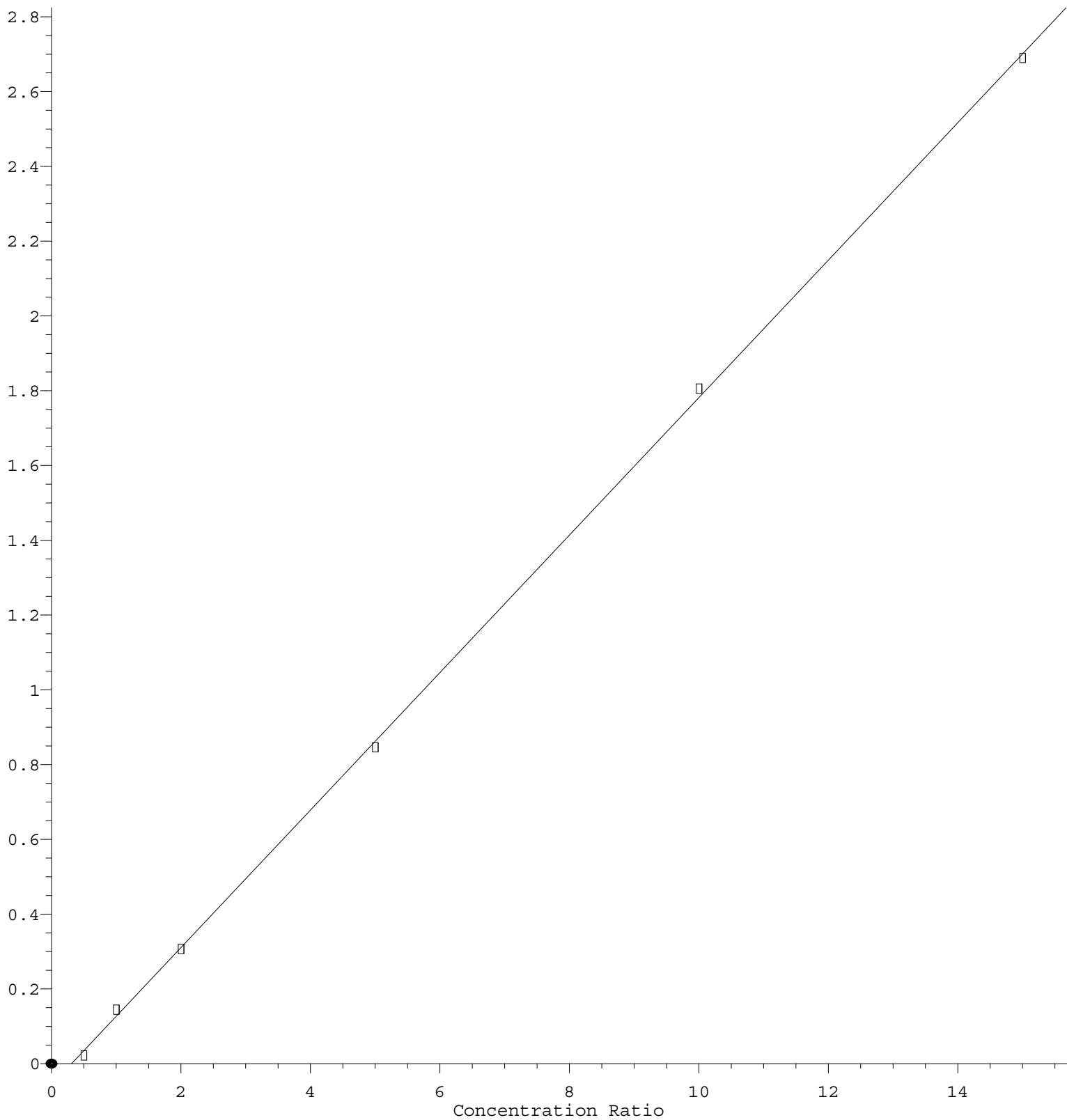
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y062325S.M

57)	T	1,3-Dichloropr...	0.371	0.428	0.439	0.438	0.442	0.433	0.425	6.39
58)	T	2-Chloroethyl ...	0.044	0.145	0.154	0.169	0.181	0.179	0.145	35.44
59)	T	2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.48
60)	T	Dibromochlorom...	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.82
61)	T	1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.81
62)	S	4-Bromofluorob...	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7.02
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.30
65)	PM	Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.30
66)	T	1,1,1,2-Tetrac...	0.315	0.377	0.377	0.385	0.393	0.386	0.372	7.76
67)	C	Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.88#
68)	T	m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.85
69)	T	o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	9.99
70)	T	Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.49
71)	P	Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8.02
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.67
74)	T	N-amyl acetate	0.680	0.794	0.814	0.897	0.896	0.900	0.830	10.47
75)	P	1,1,2,2-Tetrac...	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.65
76)	T	1,2,3-Trichlor...	0.559	0.516	0.514	0.510	0.489	0.474	0.510	5.67
77)	T	Bromobenzene	0.762	0.859	0.854	0.852	0.847	0.855	0.838	4.46
78)	T	n-propylbenzene	4.147	4.548	4.635	4.562	4.453	4.444	4.465	3.84
79)	T	2-Chlorotoluene	2.325	2.536	2.601	2.576	2.556	2.541	2.522	3.95
80)	T	1,3,5-Trimethy...	2.664	2.991	3.077	3.062	3.068	3.049	2.985	5.37
81)	T	trans-1,4-Dich...	0.179	0.208	0.210	0.199	0.212	0.205	0.202	5.96
82)	T	4-Chlorotoluene	2.411	2.686	2.688	2.697	2.718	2.698	2.650	4.43
83)	T	tert-Butylbenzene	2.410	2.643	2.647	2.720	2.670	2.706	2.633	4.31
84)	T	1,2,4-Trimethy...	2.551	3.002	3.081	3.098	3.101	3.099	2.989	7.28
85)	T	sec-Butylbenzene	3.629	3.998	4.083	4.097	4.016	3.943	3.961	4.35
86)	T	p-Isopropyltol...	2.887	3.282	3.338	3.414	3.442	3.415	3.296	6.34
87)	T	1,3-Dichlorobe...	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.47
88)	T	1,4-Dichlorobe...	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.50
89)	T	n-Butylbenzene	2.814	3.124	3.194	3.204	3.160	3.107	3.101	4.69
90)	T	Hexachloroethane	0.618	0.664	0.670	0.673	0.654	0.659	0.657	3.04
91)	T	1,2-Dichlorobe...	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3.00
92)	T	1,2-Dibromo-3-...	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.72
93)	T	1,2,4-Trichlor...	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.74
94)	T	Hexachlorobuta...	0.516	0.499	0.489	0.464	0.449	0.424	0.474	7.22
95)	T	Naphthalene	1.240	1.383	1.516	1.599	1.696	1.655	1.515	11.53
96)	T	1,2,3-Trichlor...	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.31

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.839\text{e-}001 * \text{Amt} - 5.758\text{e-}002$$

Coef of Det (r^2) = 0.999746 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y062325S.M

Calibration Table Last Updated: Tue Jun 24 08:29:52 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022776.D
 Acq On : 23 Jun 2025 13:38
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	475810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	670807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	304230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27016	5.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.180%#		
35) Dibromofluoromethane	7.634	113	24664	5.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.060%#		
50) Toluene-d8	10.103	98	95214	4.898	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.402	95	29609	4.738	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	20158	4.954	ug/l	98
3) Chloromethane	2.068	50	39810	5.124	ug/l	97
4) Vinyl Chloride	2.202	62	44450	4.579	ug/l	98
5) Bromomethane	2.598	94	37327	4.892	ug/l	95
6) Chloroethane	2.732	64	30869	4.731	ug/l	99
7) Trichlorofluoromethane	3.056	101	47536	4.423	ug/l	99
8) Diethyl Ether	3.458	74	12389	4.667	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	24158	4.919	ug/l	98
10) Methyl Iodide	4.001	142	21456	4.012	ug/l	99
11) Tert butyl alcohol	4.866	59	8018	22.707	ug/l	96
12) 1,1-Dichloroethene	3.787	96	22737	4.721	ug/l	98
13) Acrolein	3.653	56	12383	25.861	ug/l	94
14) Allyl chloride	4.379	41	32705	4.415	ug/l	99
15) Acrylonitrile	5.061	53	24866	22.452	ug/l	99
16) Acetone	3.873	43	27862	27.758	ug/l	97
17) Carbon Disulfide	4.104	76	72112	4.635	ug/l	100
18) Methyl Acetate	4.385	43	12955	3.897	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	55836	4.258	ug/l	100
20) Methylene Chloride	4.616	84	39953	6.303	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	24796	4.505	ug/l	84
22) Diisopropyl ether	6.012	45	69481	4.223	ug/l #	86
23) Vinyl Acetate	5.958	43	197369	21.723	ug/l	99
24) 1,1-Dichloroethane	5.909	63	45142	4.543	ug/l	99
25) 2-Butanone	6.902	43	34396	23.545	ug/l	93
26) 2,2-Dichloropropane	6.884	77	38104	4.574	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	28846	4.510	ug/l	96
28) Bromochloromethane	7.244	49	20781	4.974	ug/l	99
29) Tetrahydrofuran	7.262	42	20593	22.324	ug/l	96
30) Chloroform	7.421	83	46913	4.584	ug/l	97
31) Cyclohexane	7.701	56	47489	5.206	ug/l #	78
32) 1,1,1-Trichloroethane	7.616	97	40296	4.556	ug/l	99
36) 1,1-Dichloropropene	7.829	75	33812	4.554	ug/l	100
37) Ethyl Acetate	6.988	43	14555	4.543	ug/l	98
38) Carbon Tetrachloride	7.823	117	35332	4.510	ug/l	99
39) Methylcyclohexane	9.109	83	43762	4.554	ug/l	96
40) Benzene	8.079	78	100522	4.403	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022776.D
 Acq On : 23 Jun 2025 13:38
 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 :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 02:48:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	9489m	4.694	ug/l	
42) 1,2-Dichloroethane	8.152	62	27003	4.316	ug/l	97
43) Isopropyl Acetate	8.201	43	28001	4.205	ug/l	99
44) Trichloroethene	8.866	130	24585	4.289	ug/l	95
45) 1,2-Dichloropropane	9.140	63	23279	4.357	ug/l	95
46) Dibromomethane	9.231	93	13652	4.501	ug/l	96
47) Bromodichloromethane	9.420	83	34024	4.350	ug/l	97
48) Methyl methacrylate	9.219	41	12155	3.797	ug/l	98
49) 1,4-Dioxane	9.231	88	3000	83.716	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	67853	20.050	ug/l	96
52) Toluene	10.170	92	60162	4.177	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	28590	4.063	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	33149	4.063	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	16701	4.252	ug/l	93
56) Ethyl methacrylate	10.438	69	20761	3.929	ug/l	96
57) 1,3-Dichloropropane	10.713	76	29874	4.360	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	17827	21.672	ug/l	98
59) 2-Hexanone	10.755	43	46132	20.050	ug/l	96
60) Dibromochloromethane	10.908	129	20962	4.132	ug/l	99
61) 1,2-Dibromoethane	11.012	107	15579	4.239	ug/l	99
64) Tetrachloroethene	10.640	164	26784	4.227	ug/l	97
65) Chlorobenzene	11.438	112	65810	4.465	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	21097	4.226	ug/l	99
67) Ethyl Benzene	11.518	91	110258	4.257	ug/l	98
68) m/p-Xylenes	11.621	106	83728	8.364	ug/l	98
69) o-Xylene	11.950	106	38740	4.107	ug/l	98
70) Styrene	11.963	104	62104	3.930	ug/l	99
71) Bromoform	12.127	173	11959	4.302	ug/l #	99
73) Isopropylbenzene	12.249	105	102024	4.534	ug/l	99
74) N-amyl acetate	12.066	43	20685	4.096	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	18149	5.005	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	17021m	5.313	ug/l	
77) Bromobenzene	12.530	156	23191	4.547	ug/l	98
78) n-propylbenzene	12.590	91	126153	4.644	ug/l	97
79) 2-Chlorotoluene	12.676	91	70735	4.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	81045	4.462	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	5453	4.436	ug/l	93
82) 4-Chlorotoluene	12.773	91	73344	4.549	ug/l	99
83) tert-Butylbenzene	12.993	119	73316	4.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	77619	4.268	ug/l	98
85) sec-Butylbenzene	13.170	105	110395	4.580	ug/l	99
86) p-Isopropyltoluene	13.285	119	87840	4.380	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	47028	4.591	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	47574	4.676	ug/l	92
89) n-Butylbenzene	13.615	91	85615	4.538	ug/l	99
90) Hexachloroethane	13.871	117	18815	4.710	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	42426	4.700	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3105	5.049	ug/l	90
93) 1,2,4-Trichlorobenzene	14.913	180	23654	4.641	ug/l	99
94) Hexachlorobutadiene	15.017	225	15690	5.444	ug/l	98
95) Naphthalene	15.139	128	37712	4.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20664	4.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

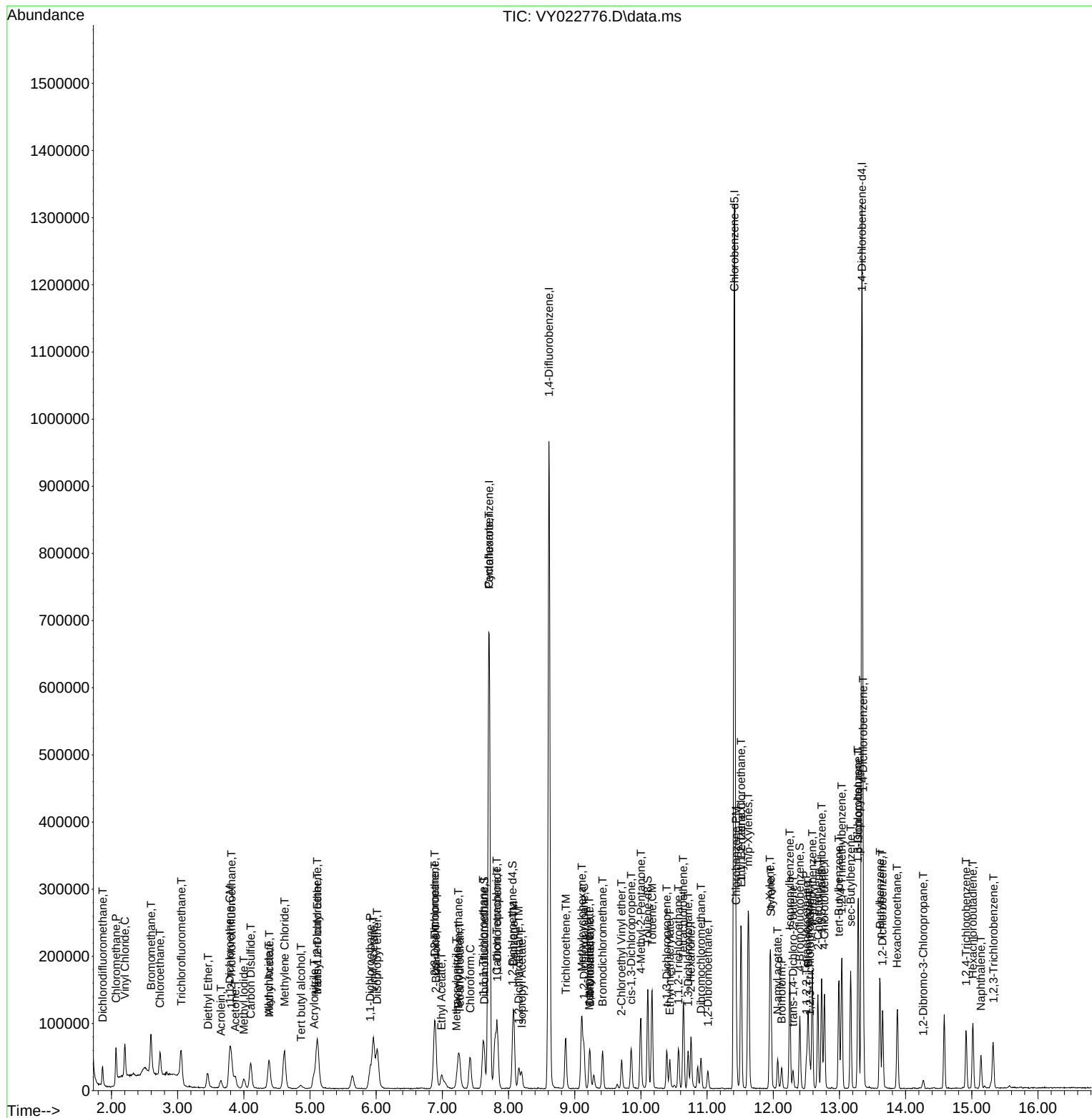
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022776.D
 Acq On : 23 Jun 2025 13:38
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/24/2025
 Supervised By : Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022777.D
 Acq On : 23 Jun 2025 14:00
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	463035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	781463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	310897	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	50892	9.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.700%#
35) Dibromofluoromethane	7.628	113	46399	9.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.520%#
50) Toluene-d8	10.103	98	179425	9.514	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.020%#
62) 4-Bromofluorobenzene	12.401	95	56575	9.332	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	18.660%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	42214	10.662	ug/l	94
3) Chloromethane	2.068	50	85337	11.287	ug/l	95
4) Vinyl Chloride	2.202	62	101774	10.775	ug/l	99
5) Bromomethane	2.592	94	81985	11.040	ug/l	98
6) Chloroethane	2.732	64	68123	10.729	ug/l	97
7) Trichlorofluoromethane	3.049	101	109310	10.451	ug/l	99
8) Diethyl Ether	3.452	74	26729	10.347	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	51901	10.858	ug/l	98
10) Methyl Iodide	3.994	142	50149	9.637	ug/l	99
11) Tert butyl alcohol	4.860	59	17351	50.493	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	49870	10.641	ug/l	94
13) Acrolein	3.653	56	23603	50.654	ug/l	96
14) Allyl chloride	4.385	41	74349	10.314	ug/l	100
15) Acrylonitrile	5.055	53	53484	49.623	ug/l	97
16) Acetone	3.866	43	57265	58.626	ug/l	97
17) Carbon Disulfide	4.104	76	157862	10.426	ug/l	96
18) Methyl Acetate	4.385	43	33123	10.240	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	129453	10.144	ug/l	97
20) Methylene Chloride	4.610	84	71926	11.660	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	55933	10.442	ug/l	93
22) Diisopropyl ether	6.012	45	163202	10.194	ug/l #	90
23) Vinyl Acetate	5.957	43	436202	49.334	ug/l	99
24) 1,1-Dichloroethane	5.909	63	99575	10.297	ug/l	99
25) 2-Butanone	6.896	43	74304	52.267	ug/l	98
26) 2,2-Dichloropropane	6.884	77	86121	10.624	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	63822	10.254	ug/l	98
28) Bromochloromethane	7.244	49	39901	9.815	ug/l	99
29) Tetrahydrofuran	7.256	42	44155	49.188	ug/l	99
30) Chloroform	7.415	83	104609	10.503	ug/l	100
31) Cyclohexane	7.695	56	94507	10.647	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	87498	10.166	ug/l	98
36) 1,1-Dichloropropene	7.835	75	73869	10.254	ug/l	99
37) Ethyl Acetate	6.982	43	30940	9.953	ug/l	99
38) Carbon Tetrachloride	7.817	117	77817	10.238	ug/l	96
39) Methylcyclohexane	9.103	83	92069	9.876	ug/l	96
40) Benzene	8.073	78	223979	10.113	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022777.D
 Acq On : 23 Jun 2025 14:00
 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 :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 02:48:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	21459m	10.943	ug/l	
42) 1,2-Dichloroethane	8.152	62	62006	10.217	ug/l	98
43) Isopropyl Acetate	8.195	43	63693	9.859	ug/l	97
44) Trichloroethene	8.866	130	56947	10.241	ug/l	98
45) 1,2-Dichloropropane	9.140	63	53045	10.233	ug/l	94
46) Dibromomethane	9.225	93	30124	10.237	ug/l	96
47) Bromodichloromethane	9.420	83	77307	10.188	ug/l	99
48) Methyl methacrylate	9.219	41	30168	9.713	ug/l	99
49) 1,4-Dioxane	9.225	88	6781	195.052	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	156769	47.750	ug/l	99
52) Toluene	10.164	92	136520	9.771	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	67233	9.848	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	78622	9.932	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	38897	10.208	ug/l	97
56) Ethyl methacrylate	10.438	69	46228	9.018	ug/l	98
57) 1,3-Dichloropropane	10.713	76	66930	10.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	113045	54.985	ug/l	100
59) 2-Hexanone	10.755	43	109594	49.099	ug/l	98
60) Dibromochloromethane	10.908	129	49185	9.994	ug/l	99
61) 1,2-Dibromoethane	11.011	107	36029	10.105	ug/l	98
64) Tetrachloroethene	10.646	164	61796	9.845	ug/l	95
65) Chlorobenzene	11.438	112	147476	10.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	50032	10.118	ug/l	100
67) Ethyl Benzene	11.511	91	249925	9.743	ug/l	98
68) m/p-Xylenes	11.627	106	191878	19.351	ug/l	99
69) o-Xylene	11.950	106	89531	9.582	ug/l	100
70) Styrene	11.963	104	147196	9.405	ug/l	99
71) Bromoform	12.127	173	27105	9.844	ug/l #	98
73) Isopropylbenzene	12.249	105	234034	10.179	ug/l	99
74) N-amyl acetate	12.066	43	49341	9.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40964	11.054	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	32074m	9.797	ug/l	
77) Bromobenzene	12.523	156	53437	10.253	ug/l	98
78) n-propylbenzene	12.590	91	282781	10.186	ug/l	99
79) 2-Chlorotoluene	12.676	91	157704	10.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	186006	10.021	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	12937	10.297	ug/l	95
82) 4-Chlorotoluene	12.773	91	166997	10.137	ug/l	98
83) tert-Butylbenzene	12.993	119	164329	10.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	186662	10.045	ug/l	99
85) sec-Butylbenzene	13.170	105	248568	10.092	ug/l	99
86) p-Isopropyltoluene	13.285	119	204047	9.955	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	103200	9.860	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	108198	10.406	ug/l	98
89) n-Butylbenzene	13.609	91	194233	10.075	ug/l	98
90) Hexachloroethane	13.877	117	41277	10.111	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	92518	10.030	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6258	9.958	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	52305	10.043	ug/l	99
94) Hexachlorobutadiene	15.017	225	31049	10.543	ug/l	100
95) Naphthalene	15.139	128	85996	9.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	44944	9.987	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

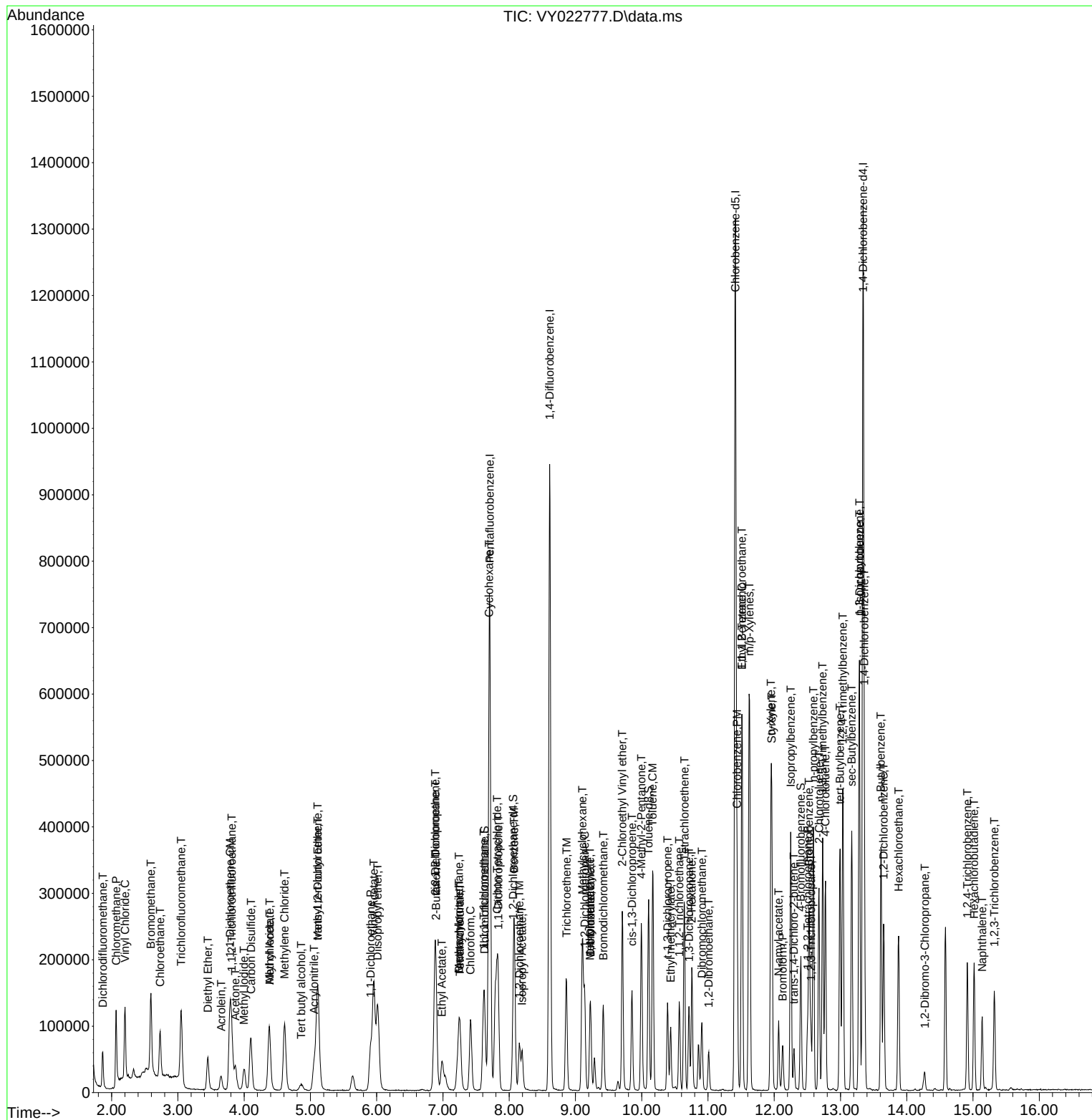
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022777.D
 Acq On : 23 Jun 2025 14:00
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 06/24/2025
 Supervised By : Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022778.D
 Acq On : 23 Jun 2025 14:23
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	466622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	781920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	321641	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	103895	19.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.900%#
35) Dibromofluoromethane	7.628	113	92378	19.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.860%#
50) Toluene-d8	10.103	98	370864	19.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	39.300%#
62) 4-Bromofluorobenzene	12.402	95	115617	19.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.120%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	88527	22.187	ug/l	96
3) Chloromethane	2.062	50	161461	21.191	ug/l	97
4) Vinyl Chloride	2.196	62	203692	21.399	ug/l	98
5) Bromomethane	2.580	94	159406	21.301	ug/l	100
6) Chloroethane	2.727	64	134813	21.069	ug/l	95
7) Trichlorofluoromethane	3.044	101	227500	21.584	ug/l	97
8) Diethyl Ether	3.452	74	53531	20.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	102158	21.209	ug/l	99
10) Methyl Iodide	3.995	142	105737	20.162	ug/l	99
11) Tert butyl alcohol	4.854	59	35575	102.731	ug/l	99
12) 1,1-Dichloroethene	3.781	96	97726	20.691	ug/l	93
13) Acrolein	3.647	56	49556	105.534	ug/l	97
14) Allyl chloride	4.373	41	150283	20.687	ug/l	100
15) Acrylonitrile	5.049	53	112031	103.145	ug/l	99
16) Acetone	3.867	43	106379	108.071	ug/l	94
17) Carbon Disulfide	4.092	76	323087	21.175	ug/l	98
18) Methyl Acetate	4.379	43	82088	25.182	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	260531	20.258	ug/l	99
20) Methylene Chloride	4.610	84	123947	19.939	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	111517	20.659	ug/l	94
22) Diisopropyl ether	6.013	45	331999	20.578	ug/l	96
23) Vinyl Acetate	5.952	43	858731	96.375	ug/l	99
24) 1,1-Dichloroethane	5.909	63	201445	20.671	ug/l	99
25) 2-Butanone	6.890	43	149196	104.140	ug/l	100
26) 2,2-Dichloropropane	6.878	77	173008	21.179	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128206	20.439	ug/l	99
28) Bromochloromethane	7.238	49	81625	19.923	ug/l	99
29) Tetrahydrofuran	7.256	42	91536	101.186	ug/l	98
30) Chloroform	7.415	83	205035	20.428	ug/l	95
31) Cyclohexane	7.695	56	184362	20.610	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	181573	20.934	ug/l	99
36) 1,1-Dichloropropene	7.829	75	147625	20.481	ug/l	99
37) Ethyl Acetate	6.982	43	62062	19.954	ug/l	98
38) Carbon Tetrachloride	7.811	117	158707	20.868	ug/l	97
39) Methylcyclohexane	9.103	83	190778	20.453	ug/l	95
40) Benzene	8.079	78	453686	20.472	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022778.D
 Acq On : 23 Jun 2025 14:23
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	40422m	20.600	ug/l	
42) 1,2-Dichloroethane	8.152	62	125873	20.728	ug/l	100
43) Isopropyl Acetate	8.195	43	132526	20.501	ug/l	99
44) Trichloroethene	8.860	130	119612	21.498	ug/l	97
45) 1,2-Dichloropropane	9.134	63	107803	20.785	ug/l	100
46) Dibromomethane	9.225	93	60151	20.430	ug/l	100
47) Bromodichloromethane	9.420	83	155066	20.424	ug/l	99
48) Methyl methacrylate	9.219	41	65108	20.951	ug/l	99
49) 1,4-Dioxane	9.219	88	14738	423.683	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	335542	102.143	ug/l	99
52) Toluene	10.164	92	284109	20.321	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	137096	20.069	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	163425	20.633	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	77767	20.398	ug/l	96
56) Ethyl methacrylate	10.439	69	98608	19.224	ug/l	98
57) 1,3-Dichloropropane	10.713	76	137448	20.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	240143	99.154	ug/l	99
59) 2-Hexanone	10.756	43	226399	101.369	ug/l	100
60) Dibromochloromethane	10.908	129	100360	20.380	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71565	20.059	ug/l	99
64) Tetrachloroethene	10.640	164	143038	22.646	ug/l	97
65) Chlorobenzene	11.438	112	302372	20.582	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	100839	20.265	ug/l	99
67) Ethyl Benzene	11.512	91	527080	20.420	ug/l	97
68) m/p-Xylenes	11.621	106	405724	40.662	ug/l	99
69) o-Xylene	11.950	106	189409	20.146	ug/l	100
70) Styrene	11.963	104	311610	19.787	ug/l	99
71) Bromoform	12.127	173	54365	19.622	ug/l #	99
73) Isopropylbenzene	12.249	105	491885	20.678	ug/l	99
74) N-amyl acetate	12.066	43	104745	19.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	72880	19.010	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	66146m	19.529	ug/l	
77) Bromobenzene	12.530	156	109855	20.375	ug/l	98
78) n-propylbenzene	12.591	91	596356	20.765	ug/l	100
79) 2-Chlorotoluene	12.676	91	334595	20.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	395821	20.613	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	26956	20.739	ug/l	97
82) 4-Chlorotoluene	12.774	91	345875	20.293	ug/l	99
83) tert-Butylbenzene	12.993	119	340561	20.110	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	396401	20.618	ug/l	100
85) sec-Butylbenzene	13.170	105	525353	20.618	ug/l	100
86) p-Isopropyltoluene	13.286	119	429419	20.252	ug/l	99
87) 1,3-Dichlorobenzene	13.280	146	217684	20.103	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	217184	20.191	ug/l	98
89) n-Butylbenzene	13.609	91	410986	20.605	ug/l	99
90) Hexachloroethane	13.871	117	86261	20.425	ug/l	95
91) 1,2-Dichlorobenzene	13.651	146	193285	20.255	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13274	20.417	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	109060	20.242	ug/l	99
94) Hexachlorobutadiene	15.017	225	62946	20.660	ug/l	97
95) Naphthalene	15.139	128	195013	20.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	94536	20.305	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

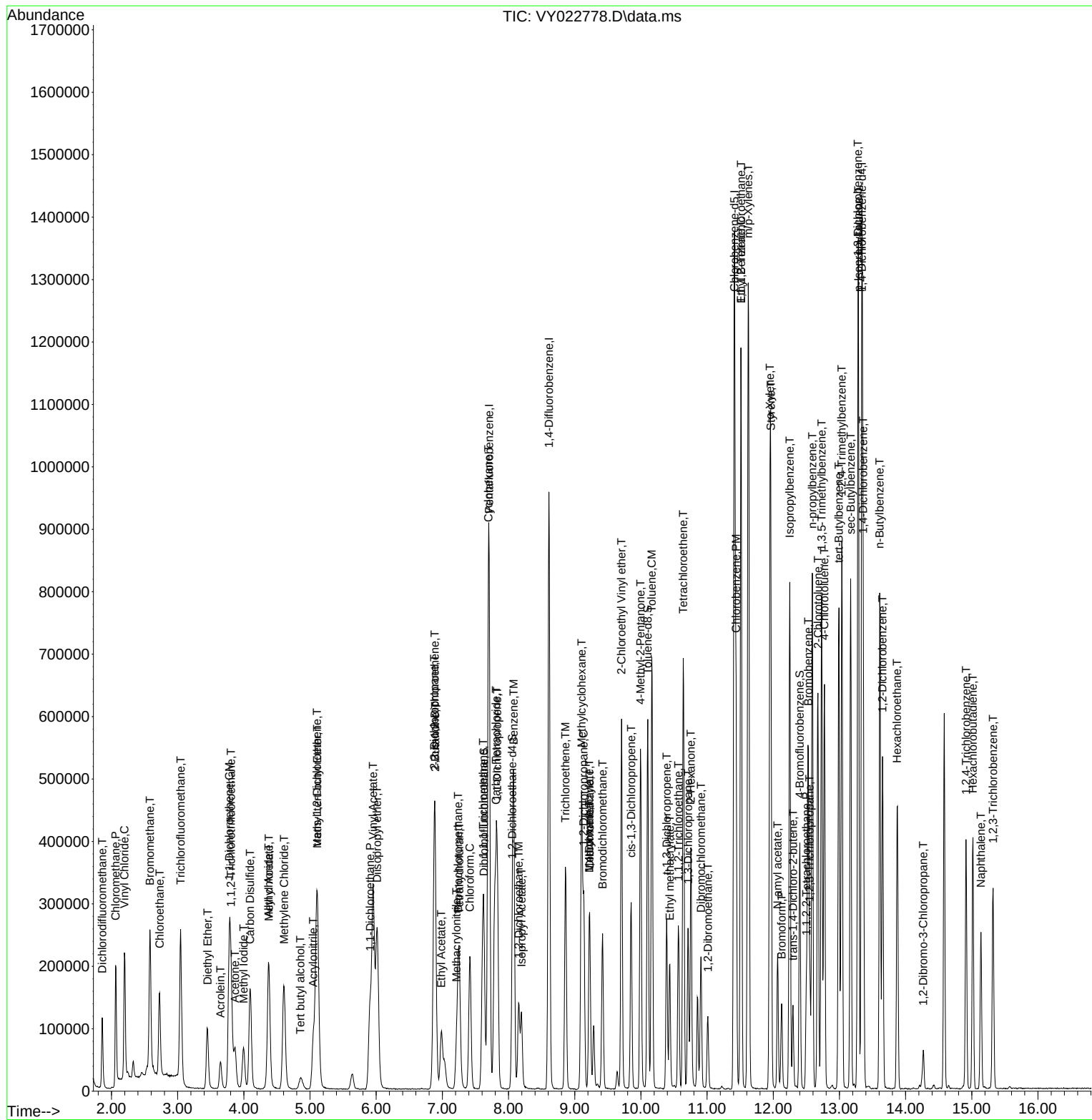
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Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022779.D
 Acq On : 23 Jun 2025 14:46
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	466305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	785509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	344728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	260449	50.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.634	113	238601	49.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.900%			
50) Toluene-d8	10.103	98	954176	50.336	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.401	95	302230	49.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	197658	49.571	ug/l	100
3) Chloromethane	2.062	50	369888	48.580	ug/l	100
4) Vinyl Chloride	2.196	62	487333	51.231	ug/l	100
5) Bromomethane	2.586	94	359349	48.052	ug/l	100
6) Chloroethane	2.726	64	323583	50.606	ug/l	100
7) Trichlorofluoromethane	3.043	101	543608	51.610	ug/l	100
8) Diethyl Ether	3.452	74	132997	51.123	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	240341	49.930	ug/l	100
10) Methyl Iodide	3.994	142	292108	55.737	ug/l	100
11) Tert butyl alcohol	4.860	59	89018	257.234	ug/l	100
12) 1,1-Dichloroethene	3.781	96	239818	50.810	ug/l	100
13) Acrolein	3.647	56	115313	245.735	ug/l	100
14) Allyl chloride	4.378	41	371698	51.200	ug/l	100
15) Acrylonitrile	5.049	53	281372	259.229	ug/l	100
16) Acetone	3.866	43	222401	226.091	ug/l	100
17) Carbon Disulfide	4.098	76	777454	50.988	ug/l	100
18) Methyl Acetate	4.378	43	163588	50.217	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	669314	52.080	ug/l	100
20) Methylene Chloride	4.604	84	275283	44.313	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	276104	51.184	ug/l	100
22) Diisopropyl ether	6.018	45	834245	51.744	ug/l	100
23) Vinyl Acetate	5.951	43	2354219	264.392	ug/l	100
24) 1,1-Dichloroethane	5.909	63	502277	51.577	ug/l	100
25) 2-Butanone	6.890	43	357225	249.517	ug/l	100
26) 2,2-Dichloropropane	6.878	77	412194	50.494	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	319602	50.988	ug/l	100
28) Bromochloromethane	7.244	49	214101	52.294	ug/l	100
29) Tetrahydrofuran	7.256	42	237439	262.648	ug/l	100
30) Chloroform	7.421	83	511015	50.947	ug/l	100
31) Cyclohexane	7.695	56	441072	49.341	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442929	51.101	ug/l	100
36) 1,1-Dichloropropene	7.829	75	368198	50.850	ug/l	100
37) Ethyl Acetate	6.982	43	161593	51.717	ug/l	100
38) Carbon Tetrachloride	7.817	117	385426	50.447	ug/l	100
39) Methylcyclohexane	9.103	83	485179	51.778	ug/l	100
40) Benzene	8.073	78	1150210	51.666	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022779.D
 Acq On : 23 Jun 2025 14:46
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	93931	47.652	ug/l	100
42) 1,2-Dichloroethane	8.152	62	314067	51.482	ug/l	100
43) Isopropyl Acetate	8.195	43	342439	52.731	ug/l	100
44) Trichloroethene	8.859	130	292433	52.319	ug/l	100
45) 1,2-Dichloropropane	9.140	63	266251	51.100	ug/l	100
46) Dibromomethane	9.231	93	150422	50.856	ug/l	100
47) Bromodichloromethane	9.420	83	391542	51.335	ug/l	100
48) Methyl methacrylate	9.219	41	168241	53.890	ug/l	100
49) 1,4-Dioxane	9.231	88	36253	1037.426	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	886055	268.494	ug/l	100
52) Toluene	10.170	92	727451	51.795	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	354481	51.655	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	411345	51.696	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	198415	51.805	ug/l	100
56) Ethyl methacrylate	10.432	69	277956	53.942	ug/l	100
57) 1,3-Dichloropropane	10.713	76	344212	51.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	664611	245.688	ug/l	100
59) 2-Hexanone	10.755	43	594522	264.979	ug/l	100
60) Dibromochloromethane	10.908	129	258124	52.176	ug/l	100
61) 1,2-Dibromoethane	11.011	107	185981	51.892	ug/l	100
64) Tetrachloroethene	10.646	164	351675	54.557	ug/l	100
65) Chlorobenzene	11.438	112	768503	51.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	262905	51.771	ug/l	100
67) Ethyl Benzene	11.517	91	1384381	52.553	ug/l	100
68) m/p-Xylenes	11.627	106	1067204	104.802	ug/l	100
69) o-Xylene	11.950	106	501048	52.219	ug/l	100
70) Styrene	11.962	104	852365	53.034	ug/l	100
71) Bromoform	12.127	173	144890	51.241	ug/l #	100
73) Isopropylbenzene	12.249	105	1302433	51.086	ug/l	100
74) N-amyl acetate	12.066	43	309312	54.051	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	195531	47.587	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	175695m	48.399	ug/l	100
77) Bromobenzene	12.529	156	293698	50.823	ug/l	100
78) n-propylbenzene	12.590	91	1572487	51.086	ug/l	100
79) 2-Chlorotoluene	12.676	91	887920	51.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1055520	51.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	68487	49.163	ug/l	100
82) 4-Chlorotoluene	12.773	91	929596	50.888	ug/l	100
83) tert-Butylbenzene	12.993	119	937562	51.654	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	1068099	51.835	ug/l	100
85) sec-Butylbenzene	13.170	105	1412230	51.712	ug/l	100
86) p-Isopropyltoluene	13.285	119	1176992	51.790	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	588857	50.737	ug/l	100
88) 1,4-Dichlorobenzene	13.358	146	581012	50.397	ug/l	100
89) n-Butylbenzene	13.608	91	1104530	51.668	ug/l	100
90) Hexachloroethane	13.871	117	232074	51.271	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	516584	50.508	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35564	51.039	ug/l	100
93) 1,2,4-Trichlorobenzene	14.913	180	290624	50.327	ug/l	100
94) Hexachlorobutadiene	15.017	225	160111	49.032	ug/l	100
95) Naphthalene	15.139	128	551169	52.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	251077	50.316	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

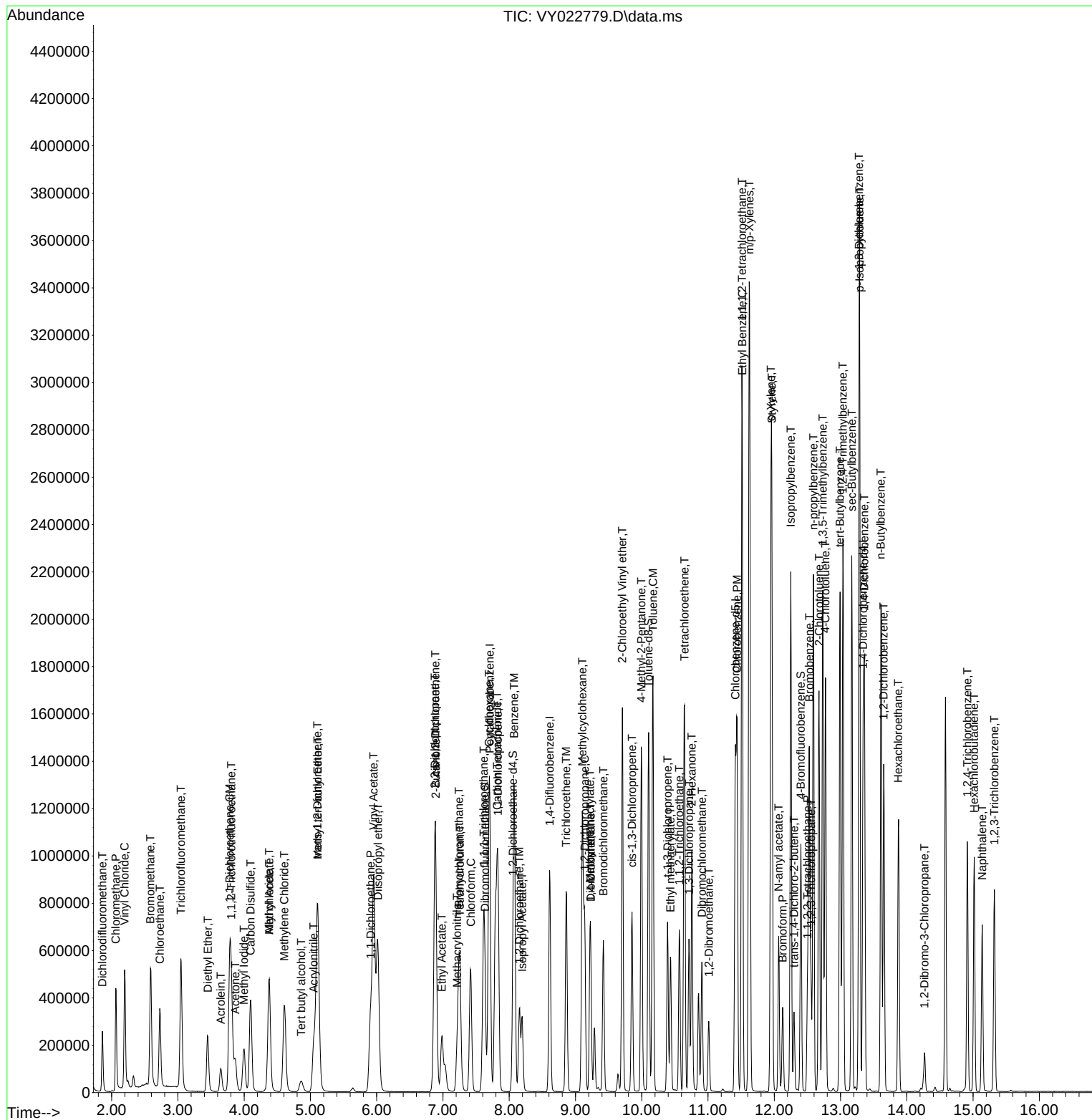
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022780.D
 Acq On : 23 Jun 2025 15:08
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	475581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	797167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	372652	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	542659	102.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 204.460%#	
35) Dibromofluoromethane	7.628	113	500461	103.231	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 206.460%#	
50) Toluene-d8	10.103	98	2012122	104.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 209.180%#	
62) 4-Bromofluorobenzene	12.402	95	673658	108.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 217.860%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	383820	94.381	ug/l	97
3) Chloromethane	2.062	50	721237	92.877	ug/l	96
4) Vinyl Chloride	2.196	62	944075	97.310	ug/l	100
5) Bromomethane	2.580	94	723247	94.826	ug/l	100
6) Chloroethane	2.726	64	639835	98.113	ug/l	96
7) Trichlorofluoromethane	3.043	101	1072039	99.794	ug/l	98
8) Diethyl Ether	3.446	74	267488	100.816	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	467671	95.263	ug/l	99
10) Methyl Iodide	3.994	142	581464	108.785	ug/l	99
11) Tert butyl alcohol	4.854	59	184238	522.007	ug/l	99
12) 1,1-Dichloroethene	3.781	96	475211	98.719	ug/l	96
13) Acrolein	3.647	56	232931	486.701	ug/l	98
14) Allyl chloride	4.372	41	751070	101.438	ug/l	100
15) Acrylonitrile	5.049	53	578586	522.657	ug/l	99
16) Acetone	3.866	43	454852	453.380	ug/l	93
17) Carbon Disulfide	4.098	76	1545558	99.386	ug/l	99
18) Methyl Acetate	4.379	43	336182	101.185	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	1388952	105.967	ug/l	99
20) Methylene Chloride	4.604	84	549956	86.802	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	552497	100.424	ug/l	93
22) Diisopropyl ether	6.012	45	1716130	104.367	ug/l	98
23) Vinyl Acetate	5.951	43	4870879	536.357	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1003848	101.070	ug/l	99
25) 2-Butanone	6.884	43	743716	509.343	ug/l	98
26) 2,2-Dichloropropane	6.878	77	821294	98.646	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	653863	102.279	ug/l	99
28) Bromochloromethane	7.238	49	421499	100.943	ug/l	98
29) Tetrahydrofuran	7.256	42	489018	530.386	ug/l	99
30) Chloroform	7.415	83	1031414	100.825	ug/l	99
31) Cyclohexane	7.695	56	860538	94.387	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	892886	101.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	745473	101.447	ug/l	100
37) Ethyl Acetate	6.982	43	335415	105.778	ug/l	98
38) Carbon Tetrachloride	7.811	117	784957	101.239	ug/l	99
39) Methylcyclohexane	9.103	83	969618	101.963	ug/l	97
40) Benzene	8.073	78	2338781	103.518	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022780.D
 Acq On : 23 Jun 2025 15:08
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	172503	86.232	ug/l	90
42) 1,2-Dichloroethane	8.152	62	644142	104.044	ug/l	100
43) Isopropyl Acetate	8.195	43	703942	106.813	ug/l	99
44) Trichloroethene	8.859	130	573927	101.178	ug/l	94
45) 1,2-Dichloropropane	9.140	63	543704	102.824	ug/l	100
46) Dibromomethane	9.225	93	308843	102.889	ug/l	99
47) Bromodichloromethane	9.420	83	803009	103.743	ug/l	99
48) Methyl methacrylate	9.219	41	348723	110.068	ug/l	99
49) 1,4-Dioxane	9.225	88	74032	2087.539	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	1833298	547.404	ug/l	100
52) Toluene	10.170	92	1522485	106.816	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	754526	108.342	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	860746	106.593	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	407343	104.800	ug/l	99
56) Ethyl methacrylate	10.432	69	592646	113.331	ug/l	99
57) 1,3-Dichloropropane	10.713	76	705449	104.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1439247	506.517	ug/l	99
59) 2-Hexanone	10.755	43	1250090	549.018	ug/l	99
60) Dibromochloromethane	10.908	129	535327	106.627	ug/l	99
61) 1,2-Dibromoethane	11.012	107	388631	106.848	ug/l	99
64) Tetrachloroethene	10.646	164	674360	100.198	ug/l	98
65) Chlorobenzene	11.438	112	1610361	102.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	559842	105.587	ug/l	99
67) Ethyl Benzene	11.511	91	2906187	105.662	ug/l	99
68) m/p-Xylenes	11.627	106	2278768	214.327	ug/l	99
69) o-Xylene	11.950	106	1082170	108.020	ug/l	99
70) Styrene	11.963	104	1865505	111.168	ug/l	99
71) Bromoform	12.127	173	321083	108.756	ug/l #	98
73) Isopropylbenzene	12.249	105	2764621	100.312	ug/l	99
74) N-amyl acetate	12.066	43	667613	107.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	442467	99.615	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	364588m	92.907	ug/l	
77) Bromobenzene	12.530	156	631186	101.040	ug/l	99
78) n-propylbenzene	12.590	91	3318659	99.735	ug/l	99
79) 2-Chlorotoluene	12.676	91	1904783	101.319	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2286529	102.773	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	157671	104.703	ug/l	94
82) 4-Chlorotoluene	12.773	91	2025702	102.582	ug/l	99
83) tert-Butylbenzene	12.993	119	1990057	101.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	2310931	103.747	ug/l	99
85) sec-Butylbenzene	13.170	105	2993511	101.400	ug/l	99
86) p-Isopropyltoluene	13.285	119	2565197	104.416	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	1304649	103.989	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	1259287	101.046	ug/l	100
89) n-Butylbenzene	13.609	91	2355349	101.924	ug/l	99
90) Hexachloroethane	13.877	117	487480	99.627	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	1129471	102.157	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	75666	100.453	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	648932	103.955	ug/l	99
94) Hexachlorobutadiene	15.017	225	334737	94.827	ug/l	99
95) Naphthalene	15.139	128	1263808	111.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	559578	103.737	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

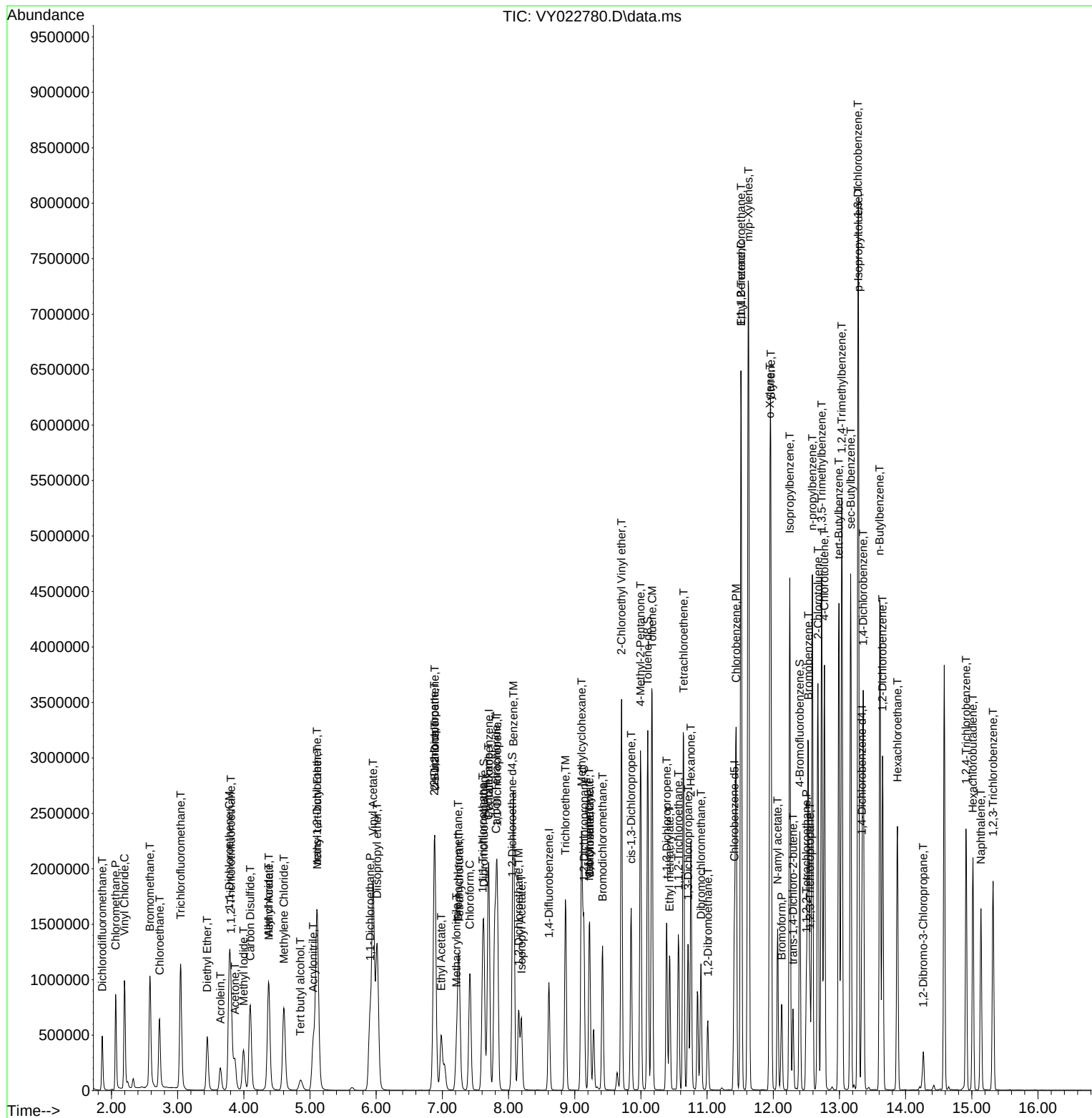
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022781.D
 Acq On : 23 Jun 2025 15:31
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	487197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	724825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	371200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	796965	146.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.140%#			
35) Dibromofluoromethane	7.628	113	745134	152.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.260%#			
50) Toluene-d8	10.103	98	3013418	155.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 310.080%#			
62) 4-Bromofluorobenzene	12.402	95	1016821	162.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.480%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	561426	134.762	ug/l	98
3) Chloromethane	2.062	50	1057912	132.984	ug/l	98
4) Vinyl Chloride	2.196	62	1399862	140.850	ug/l	99
5) Bromomethane	2.574	94	1105489	141.487	ug/l	98
6) Chloroethane	2.720	64	936104	140.121	ug/l	99
7) Trichlorofluoromethane	3.043	101	1586258	144.141	ug/l	100
8) Diethyl Ether	3.446	74	396737	145.964	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.799	101	693105	137.817	ug/l	99
10) Methyl Iodide	3.995	142	840407	153.482	ug/l	100
11) Tert butyl alcohol	4.854	59	266185	736.208	ug/l	99
12) 1,1-Dichloroethene	3.775	96	705539	143.072	ug/l	99
13) Acrolein	3.647	56	345938	705.591	ug/l	99
14) Allyl chloride	4.373	41	1152496	151.943	ug/l	99
15) Acrylonitrile	5.049	53	846962	746.849	ug/l	99
16) Acetone	3.860	43	636155	618.978	ug/l	93
17) Carbon Disulfide	4.092	76	2289343	143.705	ug/l	99
18) Methyl Acetate	4.373	43	470360	138.195	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2054163	152.981	ug/l	100
20) Methylene Chloride	4.604	84	800473	123.330	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	840284	149.092	ug/l	97
22) Diisopropyl ether	6.012	45	2598616	154.267	ug/l	99
23) Vinyl Acetate	5.952	43	7328920	787.783	ug/l	98
24) 1,1-Dichloroethane	5.903	63	1504725	147.888	ug/l	100
25) 2-Butanone	6.890	43	1071039	716.025	ug/l	98
26) 2,2-Dichloropropane	6.878	77	1237615	145.107	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	990315	151.215	ug/l	98
28) Bromochloromethane	7.238	49	623792	145.828	ug/l	98
29) Tetrahydrofuran	7.256	42	708429	750.039	ug/l	98
30) Chloroform	7.415	83	1547385	147.656	ug/l	97
31) Cyclohexane	7.695	56	1306948	139.933	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1349504	149.016	ug/l	99
36) 1,1-Dichloropropene	7.829	75	1122908	151.246	ug/l	99
37) Ethyl Acetate	6.982	43	483616	150.953	ug/l	100
38) Carbon Tetrachloride	7.811	117	1186256	151.429	ug/l	98
39) Methylcyclohexane	9.103	83	1475329	153.554	ug/l	98
40) Benzene	8.073	78	3478622	152.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022781.D
 Acq On : 23 Jun 2025 15:31
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	296053	146.477	ug/l	97
42) 1,2-Dichloroethane	8.152	62	946330	151.288	ug/l	100
43) Isopropyl Acetate	8.195	43	1024167	153.810	ug/l	99
44) Trichloroethene	8.860	130	846785	147.752	ug/l	97
45) 1,2-Dichloropropane	9.140	63	814039	152.372	ug/l	99
46) Dibromomethane	9.225	93	458817	151.287	ug/l	99
47) Bromodichloromethane	9.420	83	1203370	153.874	ug/l	100
48) Methyl methacrylate	9.213	41	500939	156.493	ug/l	98
49) 1,4-Dioxane	9.225	88	112563	3141.521	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	2671727	789.580	ug/l	99
52) Toluene	10.164	92	2305726	160.110	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1142721	162.402	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1300617	159.417	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	603625	153.708	ug/l	99
56) Ethyl methacrylate	10.432	69	902735	170.861	ug/l	98
57) 1,3-Dichloropropane	10.713	76	1045814	152.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	2166504	746.984	ug/l	99
59) 2-Hexanone	10.756	43	1801932	783.272	ug/l	97
60) Dibromochloromethane	10.908	129	795480	156.822	ug/l	99
61) 1,2-Dibromoethane	11.012	107	569130	154.871	ug/l	99
64) Tetrachloroethene	10.640	164	970361	141.712	ug/l	98
65) Chlorobenzene	11.438	112	2422303	152.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	840296	155.771	ug/l	99
67) Ethyl Benzene	11.511	91	4388572	156.829	ug/l	98
68) m/p-Xylenes	11.627	106	3439594	317.973	ug/l	98
69) o-Xylene	11.950	106	1664173	163.273	ug/l	98
70) Styrene	11.963	104	2846995	166.754	ug/l	99
71) Bromoform	12.127	173	478356	159.256	ug/l #	99
73) Isopropylbenzene	12.249	105	4185860	152.475	ug/l	99
74) N-amyl acetate	12.066	43	1001716	162.561	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	660490	149.281	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	528364m	135.169	ug/l	
77) Bromobenzene	12.530	156	951688	152.942	ug/l	100
78) n-propylbenzene	12.591	91	4948353	149.293	ug/l	99
79) 2-Chlorotoluene	12.676	91	2829859	151.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	3395371	153.210	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	228578	152.383	ug/l	93
82) 4-Chlorotoluene	12.773	91	3004256	152.731	ug/l	100
83) tert-Butylbenzene	12.993	119	3013552	154.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	3450572	155.516	ug/l	99
85) sec-Butylbenzene	13.170	105	4391401	149.333	ug/l	98
86) p-Isopropyltoluene	13.286	119	3802837	155.399	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	1942052	155.399	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1855055	149.433	ug/l	99
89) n-Butylbenzene	13.615	91	3459894	150.307	ug/l	98
90) Hexachloroethane	13.871	117	733958	150.586	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	1672579	151.871	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	106711	142.222	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	941295	151.380	ug/l	99
94) Hexachlorobutadiene	15.017	225	472010	134.238	ug/l	99
95) Naphthalene	15.139	128	1842806	163.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	809138	150.588	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
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 :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

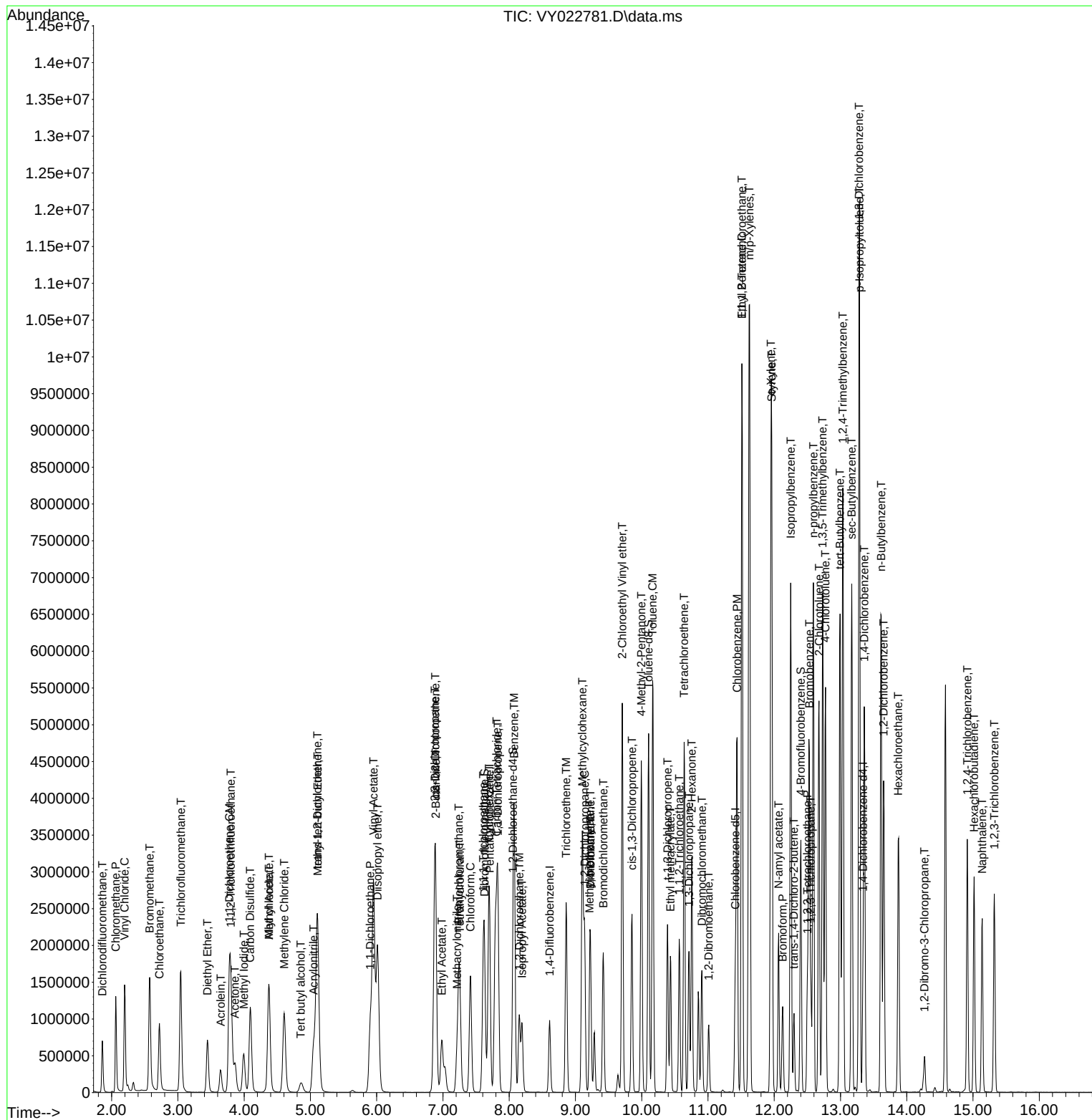
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	480076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	806385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	709921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	359311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	268490	50.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.628	113	246693	50.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.103	98	968221	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.401	95	314924	50.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	188576	45.936	ug/l	99
3) Chloromethane	2.068	50	383362	48.905	ug/l	97
4) Vinyl Chloride	2.196	62	480207	49.034	ug/l	100
5) Bromomethane	2.586	94	372449	48.375	ug/l	98
6) Chloroethane	2.726	64	317341	48.206	ug/l	98
7) Trichlorofluoromethane	3.043	101	519156	47.875	ug/l	99
8) Diethyl Ether	3.452	74	128819	48.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.805	101	234148	47.248	ug/l	98
10) Methyl Iodide	3.994	142	252766	46.847	ug/l	100
11) Tert butyl alcohol	4.860	59	90461	253.906	ug/l #	86
12) 1,1-Dichloroethene	3.781	96	232605	47.868	ug/l	94
13) Acrolein	3.647	56	99713	206.396	ug/l	100
14) Allyl chloride	4.378	41	357454	47.825	ug/l	99
15) Acrylonitrile	5.049	53	278053	248.823	ug/l	99
16) Acetone	3.860	43	217427	214.694	ug/l	95
17) Carbon Disulfide	4.098	76	753545	48.003	ug/l	99
18) Methyl Acetate	4.385	43	169460	50.527	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	652685	49.329	ug/l	99
20) Methylene Chloride	4.610	84	279076	43.635	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	266943	48.066	ug/l	98
22) Diisopropyl ether	6.012	45	800669	48.237	ug/l	93
23) Vinyl Acetate	5.951	43	2264377	247.008	ug/l	99
24) 1,1-Dichloroethane	5.909	63	486998	48.573	ug/l	99
25) 2-Butanone	6.890	43	353339	239.723	ug/l	98
26) 2,2-Dichloropropane	6.878	77	388040	46.171	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	308904	47.867	ug/l	100
28) Bromochloromethane	7.244	49	211120	50.087	ug/l	100
29) Tetrahydrofuran	7.256	42	235186	252.693	ug/l	100
30) Chloroform	7.414	83	500741	48.491	ug/l	97
31) Cyclohexane	7.695	56	422671	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	431799	48.388	ug/l	99
36) 1,1-Dichloropropene	7.829	75	354829	47.735	ug/l	100
37) Ethyl Acetate	6.982	43	160039	49.894	ug/l	99
38) Carbon Tetrachloride	7.817	117	373583	47.632	ug/l	98
39) Methylcyclohexane	9.103	83	463905	48.226	ug/l	98
40) Benzene	8.073	78	1105593	48.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	106081m	53.720	ug/l	
42) 1,2-Dichloroethane	8.152	62	307548	49.108	ug/l	100
43) Isopropyl Acetate	8.195	43	333219	49.983	ug/l	99
44) Trichloroethene	8.859	130	274874	47.904	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259472	48.510	ug/l	100
46) Dibromomethane	9.231	93	145961	48.070	ug/l	98
47) Bromodichloromethane	9.420	83	382665	48.872	ug/l	99
48) Methyl methacrylate	9.219	41	164362	51.285	ug/l	99
49) 1,4-Dioxane	9.225	88	35276	983.335	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	867628	256.103	ug/l	99
52) Toluene	10.170	92	704960	48.894	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	348211	49.428	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	404721	49.547	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	194151	49.380	ug/l	98
56) Ethyl methacrylate	10.432	69	270067	51.054	ug/l	99
57) 1,3-Dichloropropane	10.713	76	340025	49.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	680973	245.249	ug/l	100
59) 2-Hexanone	10.755	43	580425	251.999	ug/l	99
60) Dibromochloromethane	10.908	129	253700	49.955	ug/l	100
61) 1,2-Dibromoethane	11.011	107	181754	49.399	ug/l	99
64) Tetrachloroethene	10.646	164	303522	45.257	ug/l	98
65) Chlorobenzene	11.438	112	750243	48.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	253468	47.973	ug/l	99
67) Ethyl Benzene	11.517	91	1351655	49.316	ug/l	100
68) m/p-Xylenes	11.621	106	1043651	98.506	ug/l	100
69) o-Xylene	11.950	106	495462	49.631	ug/l	99
70) Styrene	11.962	104	834381	49.897	ug/l	99
71) Bromoform	12.127	173	142330	48.380	ug/l	99
73) Isopropylbenzene	12.249	105	1264391	47.581	ug/l	100
74) N-amyl acetate	12.066	43	299778	50.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	213316	49.808	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	171584m	46.775	ug/l	
77) Bromobenzene	12.529	156	287890	47.796	ug/l	100
78) n-propylbenzene	12.590	91	1543476	48.108	ug/l	100
79) 2-Chlorotoluene	12.676	91	871527	48.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1052077	49.044	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66143	45.554	ug/l	99
82) 4-Chlorotoluene	12.773	91	919177	48.276	ug/l	99
83) tert-Butylbenzene	12.993	119	917192	48.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	1058356	49.278	ug/l	99
85) sec-Butylbenzene	13.170	105	1377847	48.405	ug/l	100
86) p-Isopropyltoluene	13.285	119	1157677	48.873	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	584110	48.286	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	574913	47.844	ug/l	100
89) n-Butylbenzene	13.615	91	1083397	48.623	ug/l	100
90) Hexachloroethane	13.877	117	228507	48.434	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	512081	48.036	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35693	49.145	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	293980	48.842	ug/l	99
94) Hexachlorobutadiene	15.017	225	157173	46.178	ug/l	98
95) Naphthalene	15.139	128	558879	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	252267	48.503	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

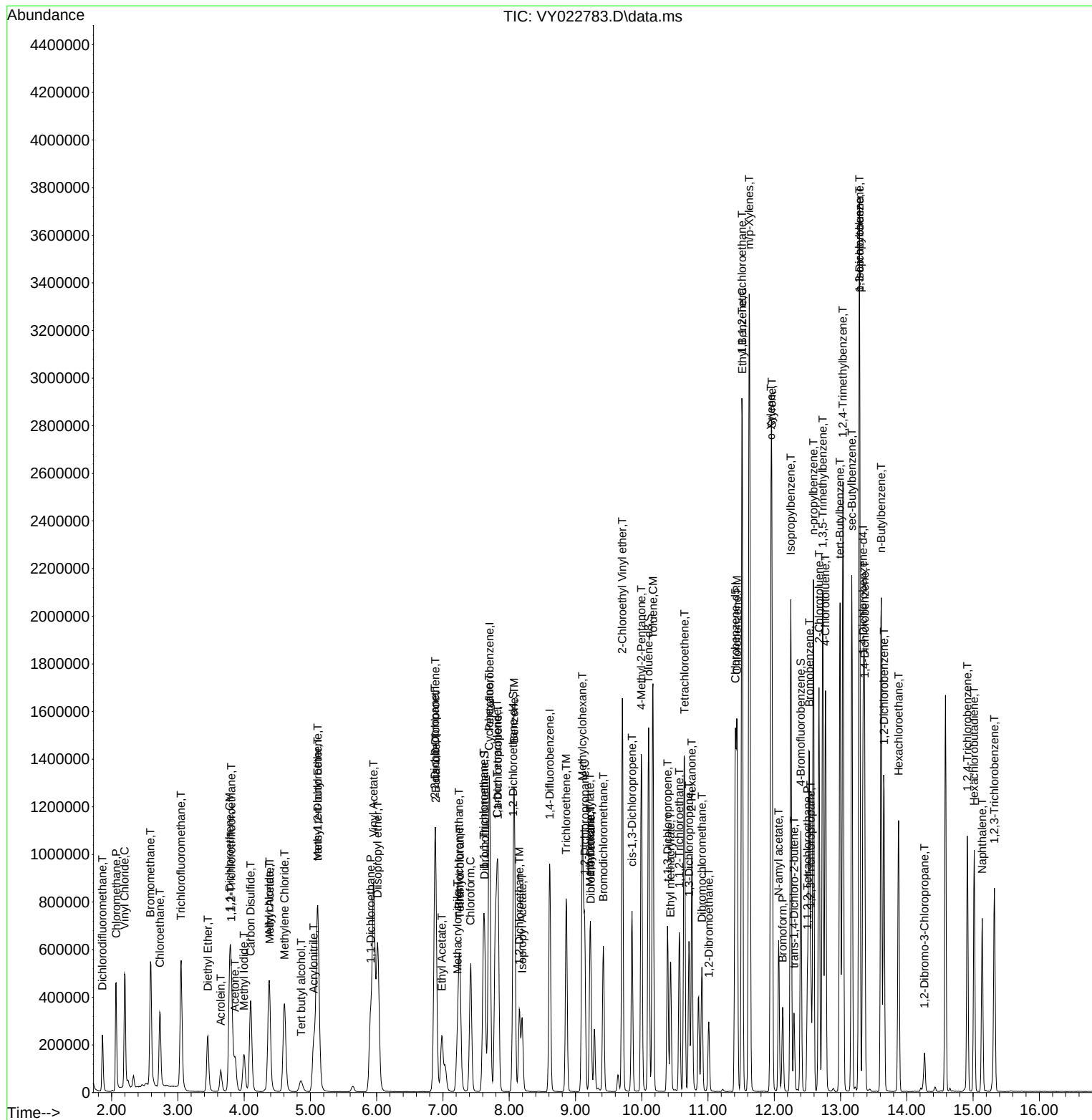
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



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 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	103	-0.01
2 T	Dichlorodifluoromethane	0.428	0.393	8.2	95	0.00
3 P	Chloromethane	0.816	0.799	2.1	104	0.00
4 C	Vinyl Chloride	1.020	1.000	2.0#	99	0.00
5 T	Bromomethane	0.802	0.776	3.2	104	-0.01
6 T	Chloroethane	0.686	0.661	3.6	98	-0.01
7 T	Trichlorofluoromethane	1.129	1.081	4.3	96	-0.01
8 T	Diethyl Ether	0.279	0.268	3.9	97	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.488	5.4	97	-0.01
10 T	Methyl Iodide	0.562	0.527	6.2	87	-0.01
11 T	Tert butyl alcohol	0.037	0.038	-2.7	102	-0.02
12 CM	1,1-Dichloroethene	0.506	0.485	4.2#	97	-0.02
13 T	Acrolein	0.050	0.042	16.0	86	-0.01
14 T	Allyl chloride	0.778	0.745	4.2	96	-0.01
15 T	Acrylonitrile	0.116	0.116	0.0	99	-0.02
16 T	Acetone	0.105	0.091	13.3	98	-0.02
17 T	Carbon Disulfide	1.635	1.570	4.0	97	-0.01
18 T	Methyl Acetate	0.349	0.353	-1.1	104	-0.01
19 T	Methyl tert-butyl Ether	1.378	1.360	1.3	98	-0.02
20 T	Methylene Chloride	0.666	0.581	12.8	101	-0.01
21 T	trans-1,2-Dichloroethene	0.578	0.556	3.8	97	-0.01
22 T	Diisopropyl ether	1.729	1.668	3.5	96	-0.01
23 T	Vinyl Acetate	0.955	0.943	1.3	96	-0.02
24 P	1,1-Dichloroethane	1.044	1.014	2.9	97	-0.01
25 T	2-Butanone	0.154	0.147	4.5	99	-0.01
26 T	2,2-Dichloropropane	0.875	0.808	7.7	94	-0.01
27 T	cis-1,2-Dichloroethene	0.672	0.643	4.3	97	-0.01
28 T	Bromochloromethane	0.439	0.440	-0.2	99	0.00
29 T	Tetrahydrofuran	0.097	0.098	-1.0	99	-0.01
30 C	Chloroform	1.076	1.043	3.1#	98	-0.01
31 T	Cyclohexane	0.959	0.880	8.2	96	-0.01
32 T	1,1,1-Trichloroethane	0.929	0.899	3.2	97	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.559	-0.2	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.304	0.306	-0.7	103	-0.01
36 T	1,1-Dichloropropene	0.461	0.440	4.6	96	-0.01
37 T	Ethyl Acetate	0.199	0.198	0.5	99	-0.01
38 T	Carbon Tetrachloride	0.486	0.463	4.7	97	0.00
39 T	Methylcyclohexane	0.596	0.575	3.5	96	-0.01
40 TM	Benzene	1.417	1.371	3.2	96	-0.01
41 T	Methacrylonitrile	0.122	0.132	-8.2	113	-0.01
42 TM	1,2-Dichloroethane	0.388	0.381	1.8	98	-0.01
43 T	Isopropyl Acetate	0.413	0.413	0.0	97	0.00
44 TM	Trichloroethene	0.356	0.341	4.2	94	0.00
45 C	1,2-Dichloropropane	0.332	0.322	3.0#	97	0.00
46 T	Dibromomethane	0.188	0.181	3.7	97	0.00
47 T	Bromodichloromethane	0.485	0.475	2.1	98	0.00
48 T	Methyl methacrylate	0.199	0.204	-2.5	98	0.00

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 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY062325

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 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	97	-0.02
50 S	Toluene-d8	1.207	1.201	0.5	101	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.215	-2.4	98	0.00
52 CM	Toluene	0.894	0.874	2.2#	97	0.00
53 T	t-1,3-Dichloropropene	0.437	0.432	1.1	98	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.502	0.8	98	0.00
55 T	1,1,2-Trichloroethane	0.244	0.241	1.2	98	0.00
56 T	Ethyl methacrylate	0.328	0.335	-2.1	97	-0.01
57 T	1,3-Dichloropropane	0.425	0.422	0.7	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.169	-16.6	102	0.00
59 T	2-Hexanone	0.143	0.144	-0.7	98	0.00
60 T	Dibromochloromethane	0.315	0.315	0.0	98	0.00
61 T	1,2-Dibromoethane	0.228	0.225	1.3	98	0.00
62 S	4-Bromofluorobenzene	0.388	0.391	-0.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.472	0.428	9.3	86	0.00
65 PM	Chlorobenzene	1.099	1.057	3.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.357	4.0	96	0.00
67 C	Ethyl Benzene	1.930	1.904	1.3#	98	0.00
68 T	m/p-Xylenes	0.746	0.735	1.5	98	-0.01
69 T	o-Xylene	0.703	0.698	0.7	99	0.00
70 T	Styrene	1.178	1.175	0.3	98	0.00
71 P	Bromoform	0.207	0.200	3.4	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.698	3.519	4.8	97	0.00
74 T	N-amyl acetate	0.830	0.834	-0.5	97	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.594	0.3	109	0.00
76 T	1,2,3-Trichloropropane	0.510	0.478	6.3	98	0.00
77 T	Bromobenzene	0.838	0.801	4.4	98	0.00
78 T	n-propylbenzene	4.465	4.296	3.8	98	0.00
79 T	2-Chlorotoluene	2.522	2.426	3.8	98	0.00
80 T	1,3,5-Trimethylbenzene	2.985	2.928	1.9	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.184	8.9	97	0.00
82 T	4-Chlorotoluene	2.650	2.558	3.5	99	0.00
83 T	tert-Butylbenzene	2.633	2.553	3.0	98	0.00
84 T	1,2,4-Trimethylbenzene	2.989	2.946	1.4	99	0.00
85 T	sec-Butylbenzene	3.961	3.835	3.2	98	0.00
86 T	p-Isopropyltoluene	3.296	3.222	2.2	98	0.00
87 T	1,3-Dichlorobenzene	1.683	1.626	3.4	99	0.00
88 T	1,4-Dichlorobenzene	1.672	1.600	4.3	99	0.00
89 T	n-Butylbenzene	3.101	3.015	2.8	98	0.00
90 T	Hexachloroethane	0.657	0.636	3.2	98	0.00
91 T	1,2-Dichlorobenzene	1.483	1.425	3.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.099	2.0	100	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.818	2.4	101	0.00
94 T	Hexachlorobutadiene	0.474	0.437	7.8	98	0.00
95 T	Naphthalene	1.515	1.555	-2.6	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
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Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
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Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	0.724	0.702	3.0	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
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 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Instrument :
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	103	-0.01
2 T	Dichlorodifluoromethane	50.000	45.936	8.1	95	0.00
3 P	Chloromethane	50.000	48.905	2.2	104	0.00
4 C	Vinyl Chloride	50.000	49.034	1.9#	99	0.00
5 T	Bromomethane	50.000	48.375	3.3	104	-0.01
6 T	Chloroethane	50.000	48.206	3.6	98	-0.01
7 T	Trichlorofluoromethane	50.000	47.875	4.3	96	-0.01
8 T	Diethyl Ether	50.000	48.097	3.8	97	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.248	5.5	97	-0.01
10 T	Methyl Iodide	50.000	46.847	6.3	87	-0.01
11 T	Tert butyl alcohol	250.000	253.906	-1.6	102	-0.02
12 CM	1,1-Dichloroethene	50.000	47.868	4.3#	97	-0.02
13 T	Acrolein	250.000	206.396	17.4	86	-0.01
14 T	Allyl chloride	50.000	47.825	4.3	96	-0.01
15 T	Acrylonitrile	250.000	248.823	0.5	99	-0.02
16 T	Acetone	250.000	214.694	14.1	98	-0.02
17 T	Carbon Disulfide	50.000	48.003	4.0	97	-0.01
18 T	Methyl Acetate	50.000	50.527	-1.1	104	-0.01
19 T	Methyl tert-butyl Ether	50.000	49.329	1.3	98	-0.02
20 T	Methylene Chloride	50.000	43.635	12.7	101	-0.01
21 T	trans-1,2-Dichloroethene	50.000	48.066	3.9	97	-0.01
22 T	Diisopropyl ether	50.000	48.237	3.5	96	-0.01
23 T	Vinyl Acetate	250.000	247.008	1.2	96	-0.02
24 P	1,1-Dichloroethane	50.000	48.573	2.9	97	-0.01
25 T	2-Butanone	250.000	239.723	4.1	99	-0.01
26 T	2,2-Dichloropropane	50.000	46.171	7.7	94	-0.01
27 T	cis-1,2-Dichloroethene	50.000	47.867	4.3	97	-0.01
28 T	Bromochloromethane	50.000	50.087	-0.2	99	0.00
29 T	Tetrahydrofuran	250.000	252.693	-1.1	99	-0.01
30 C	Chloroform	50.000	48.491	3.0#	98	-0.01
31 T	Cyclohexane	50.000	45.926	8.1	96	-0.01
32 T	1,1,1-Trichloroethane	50.000	48.388	3.2	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.109	-0.2	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	50.304	-0.6	103	-0.01
36 T	1,1-Dichloropropene	50.000	47.735	4.5	96	-0.01
37 T	Ethyl Acetate	50.000	49.894	0.2	99	-0.01
38 T	Carbon Tetrachloride	50.000	47.632	4.7	97	0.00
39 T	Methylcyclohexane	50.000	48.226	3.5	96	-0.01
40 TM	Benzene	50.000	48.376	3.2	96	-0.01
41 T	Methacrylonitrile	50.000	53.720	-7.4	113	-0.01
42 TM	1,2-Dichloroethane	50.000	49.108	1.8	98	-0.01
43 T	Isopropyl Acetate	50.000	49.983	0.0	97	0.00
44 TM	Trichloroethene	50.000	47.904	4.2	94	0.00
45 C	1,2-Dichloropropane	50.000	48.510	3.0#	97	0.00
46 T	Dibromomethane	50.000	48.070	3.9	97	0.00
47 T	Bromodichloromethane	50.000	48.872	2.3	98	0.00
48 T	Methyl methacrylate	50.000	51.285	-2.6	98	0.00

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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	983.335	1.7	97	-0.02
50 S	Toluene-d8	50.000	49.755	0.5	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.103	-2.4	98	0.00
52 CM	Toluene	50.000	48.894	2.2#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	49.428	1.1	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.547	0.9	98	0.00
55 T	1,1,2-Trichloroethane	50.000	49.380	1.2	98	0.00
56 T	Ethyl methacrylate	50.000	51.054	-2.1	97	-0.01
57 T	1,3-Dichloropropane	50.000	49.568	0.9	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	245.249	1.9	102	0.00
59 T	2-Hexanone	250.000	251.999	-0.8	98	0.00
60 T	Dibromochloromethane	50.000	49.955	0.1	98	0.00
61 T	1,2-Dibromoethane	50.000	49.399	1.2	98	0.00
62 S	4-Bromofluorobenzene	50.000	50.342	-0.7	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	45.257	9.5	86	0.00
65 PM	Chlorobenzene	50.000	48.095	3.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.973	4.1	96	0.00
67 C	Ethyl Benzene	50.000	49.316	1.4#	98	0.00
68 T	m/p-Xylenes	100.000	98.506	1.5	98	-0.01
69 T	o-Xylene	50.000	49.631	0.7	99	0.00
70 T	Styrene	50.000	49.897	0.2	98	0.00
71 P	Bromoform	50.000	48.380	3.2	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	47.581	4.8	97	0.00
74 T	N-ethyl acetate	50.000	50.258	-0.5	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.808	0.4	109	0.00
76 T	1,2,3-Trichloropropane	50.000	46.775	6.5	98	0.00
77 T	Bromobenzene	50.000	47.796	4.4	98	0.00
78 T	n-propylbenzene	50.000	48.108	3.8	98	0.00
79 T	2-Chlorotoluene	50.000	48.080	3.8	98	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.044	1.9	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.554	8.9	97	0.00
82 T	4-Chlorotoluene	50.000	48.276	3.4	99	0.00
83 T	tert-Butylbenzene	50.000	48.481	3.0	98	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.278	1.4	99	0.00
85 T	sec-Butylbenzene	50.000	48.405	3.2	98	0.00
86 T	p-Isopropyltoluene	50.000	48.873	2.3	98	0.00
87 T	1,3-Dichlorobenzene	50.000	48.286	3.4	99	0.00
88 T	1,4-Dichlorobenzene	50.000	47.844	4.3	99	0.00
89 T	n-Butylbenzene	50.000	48.623	2.8	98	0.00
90 T	Hexachloroethane	50.000	48.434	3.1	98	0.00
91 T	1,2-Dichlorobenzene	50.000	48.036	3.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.145	1.7	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.842	2.3	101	0.00
94 T	Hexachlorobutadiene	50.000	46.178	7.6	98	0.00
95 T	Naphthalene	50.000	51.347	-2.7	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 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	48.503	3.0	100	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/02/2025 10:37</u>
Lab File ID:	<u>VY022903.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.411		-3.97	20
Chloromethane	0.816	0.897	0.1	9.93	20
Vinyl Chloride	1.020	1.044		2.35	20
Bromomethane	0.802	0.808		0.75	20
Chloroethane	0.686	0.718		4.66	20
Trichlorofluoromethane	1.129	1.131		0.18	20
1,1,2-Trichlorotrifluoroethane	0.516	0.529		2.52	20
1,1-Dichloroethene	0.506	0.524		3.56	20
Acetone	0.105	0.130		23.81	20
Carbon Disulfide	1.635	1.666		1.9	20
Methyl tert-butyl Ether	1.378	1.459		5.88	20
Methyl Acetate	0.349	0.342		-2.01	20
Methylene Chloride	0.666	0.654		-1.8	20
trans-1,2-Dichloroethene	0.578	0.601		3.98	20
1,1-Dichloroethane	1.044	1.127	0.1	7.95	20
Cyclohexane	0.959	1.013		5.63	20
2-Butanone	0.154	0.175		13.64	20
Carbon Tetrachloride	0.486	0.518		6.58	20
cis-1,2-Dichloroethene	0.672	0.696		3.57	20
Bromochloromethane	0.439	0.455		3.64	20
Chloroform	1.076	1.121		4.28	20
1,1,1-Trichloroethane	0.929	0.989		6.46	20
Methylcyclohexane	0.596	0.656		10.07	20
Benzene	1.417	1.521		7.34	20
1,2-Dichloroethane	0.388	0.415		6.96	20
Trichloroethene	0.356	0.379		6.46	20
1,2-Dichloropropane	0.332	0.363		9.34	20
Bromodichloromethane	0.485	0.513		5.77	20
4-Methyl-2-Pentanone	0.210	0.238		13.33	20
Toluene	0.894	0.967		8.17	20
t-1,3-Dichloropropene	0.437	0.480		9.84	20
cis-1,3-Dichloropropene	0.506	0.551		8.89	20
1,1,2-Trichloroethane	0.244	0.260		6.56	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.331		5.08	20
1,2-Dibromoethane	0.228	0.239		4.82	20
Tetrachloroethene	0.472	0.498		5.51	20
Chlorobenzene	1.099	1.178	0.3	7.19	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/02/2025</u> <u>10:37</u>
Lab File ID:	<u>VY022903.D</u>	Init. Calib. Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.164		12.12	20
m/p-Xylenes	0.746	0.834		11.8	20
o-Xylene	0.703	0.783		11.38	20
Styrene	1.178	1.313		11.46	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.114		11.25	20
1,1,2,2-Tetrachloroethane	0.596	0.635	0.3	6.54	20
1,3-Dichlorobenzene	1.683	1.822		8.26	20
1,4-Dichlorobenzene	1.672	1.793		7.24	20
1,2-Dichlorobenzene	1.483	1.577		6.34	20
1,2-Dibromo-3-Chloropropane	0.101	0.105		3.96	20
1,2,4-Trichlorobenzene	0.838	0.880		5.01	20
1,2,3-Trichlorobenzene	0.724	0.729		0.69	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.303		-0.33	20
Toluene-d8	1.207	1.217		0.83	20
4-Bromofluorobenzene	0.388	0.389		0.26	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\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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 : Mahesh Dadoda 07/03/2025
 Supervised By : Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	453239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	750175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	321198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249332	49.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.580%		
35) Dibromofluoromethane	7.634	113	227050	49.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.109	98	913078	50.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.880%		
62) 4-Bromofluorobenzene	12.402	95	291499	50.088	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	186320	48.074	ug/l	98
3) Chloromethane	2.068	50	406579	54.938	ug/l	98
4) Vinyl Chloride	2.202	62	473041	51.162	ug/l	100
5) Bromomethane	2.598	94	366252	50.387	ug/l	99
6) Chloroethane	2.739	64	325483	52.370	ug/l	95
7) Trichlorofluoromethane	3.056	101	512534	50.063	ug/l	97
8) Diethyl Ether	3.458	74	131602	52.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	239790	51.252	ug/l	98
10) Methyl Iodide	4.007	142	268171	52.645	ug/l	99
11) Tert butyl alcohol	4.891	59	77275	229.738	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	237332	51.733	ug/l	97
13) Acrolein	3.659	56	59412	130.259	ug/l	98
14) Allyl chloride	4.385	41	389043	55.134	ug/l	93
15) Acrylonitrile	5.061	53	283103	268.343	ug/l	100
16) Acetone	3.879	43	295403	308.962	ug/l	97
17) Carbon Disulfide	4.104	76	755112	50.951	ug/l	100
18) Methyl Acetate	4.391	43	154964	48.941	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	661264	52.936	ug/l	100
20) Methylene Chloride	4.616	84	296352	49.080	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	272178	51.911	ug/l	99
22) Diisopropyl ether	6.025	45	859742	54.863	ug/l	98
23) Vinyl Acetate	5.964	43	2436577	281.530	ug/l	100
24) 1,1-Dichloroethane	5.921	63	510988	53.984	ug/l	99
25) 2-Butanone	6.903	43	396519	284.947	ug/l	98
26) 2,2-Dichloropropane	6.890	77	438828	55.306	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	315381	51.765	ug/l	97
28) Bromochloromethane	7.244	49	206234	51.825	ug/l	97
29) Tetrahydrofuran	7.268	42	237778	270.605	ug/l	98
30) Chloroform	7.427	83	508238	52.131	ug/l	94
31) Cyclohexane	7.701	56	459160	52.845	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	448242	53.205	ug/l	99
36) 1,1-Dichloropropene	7.835	75	371706	53.752	ug/l	100
37) Ethyl Acetate	6.988	43	165291	55.392	ug/l	98
38) Carbon Tetrachloride	7.823	117	388703	53.273	ug/l	99
39) Methylcyclohexane	9.109	83	491933	54.971	ug/l	99
40) Benzene	8.079	78	1141160	53.674	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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 :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	89058	48.479	ug/l	96
42) 1,2-Dichloroethane	8.158	62	311167	53.409	ug/l	99
43) Isopropyl Acetate	8.201	43	339974	54.817	ug/l	99
44) Trichloroethene	8.866	130	284153	53.232	ug/l	100
45) 1,2-Dichloropropane	9.140	63	272403	54.743	ug/l	100
46) Dibromomethane	9.231	93	145649	51.562	ug/l	96
47) Bromodichloromethane	9.426	83	384954	52.849	ug/l	95
48) Methyl methacrylate	9.219	41	166230	55.754	ug/l	94
49) 1,4-Dioxane	9.238	88	32026	959.632	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	891979	283.019	ug/l	97
52) Toluene	10.170	92	725115	54.060	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	360192	54.960	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	413613	54.430	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	194751	53.244	ug/l	96
56) Ethyl methacrylate	10.438	69	273989	55.677	ug/l	94
57) 1,3-Dichloropropane	10.719	76	342524	53.673	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	675089	260.320	ug/l	100
59) 2-Hexanone	10.762	43	618341	288.576	ug/l	98
60) Dibromochloromethane	10.914	129	248656	52.630	ug/l	99
61) 1,2-Dibromoethane	11.018	107	179534	52.452	ug/l	98
64) Tetrachloroethene	10.646	164	320778	52.699	ug/l	96
65) Chlorobenzene	11.444	112	759204	53.623	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	254715	53.117	ug/l	98
67) Ethyl Benzene	11.518	91	1394245	56.048	ug/l	98
68) m/p-Xylenes	11.627	106	1074780	111.770	ug/l	99
69) o-Xylene	11.957	106	504799	55.713	ug/l	99
70) Styrene	11.969	104	846178	55.754	ug/l	99
71) Bromoform	12.133	173	141673	53.058	ug/l #	99
73) Isopropylbenzene	12.255	105	1321351	55.625	ug/l	99
74) N-amyl acetate	12.072	43	308837	57.921	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	204060	53.300	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	160991m	49.095	ug/l	
77) Bromobenzene	12.530	156	287274	53.353	ug/l	99
78) n-propylbenzene	12.597	91	1616734	56.371	ug/l	98
79) 2-Chlorotoluene	12.676	91	895405	55.258	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1071945	55.899	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	73314	56.484	ug/l	97
82) 4-Chlorotoluene	12.780	91	925486	54.375	ug/l	100
83) tert-Butylbenzene	12.999	119	955110	56.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1072543	55.864	ug/l	99
85) sec-Butylbenzene	13.176	105	1449215	56.954	ug/l	100
86) p-Isopropyltoluene	13.292	119	1197717	56.563	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	585352	54.130	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	576014	53.624	ug/l	99
89) n-Butylbenzene	13.615	91	1146686	57.570	ug/l	99
90) Hexachloroethane	13.877	117	228866	54.266	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	506458	53.145	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33664	51.851	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	282495	52.504	ug/l	98
94) Hexachlorobutadiene	15.023	225	154702	50.846	ug/l	98
95) Naphthalene	15.139	128	508722	52.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	234121	50.355	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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 :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

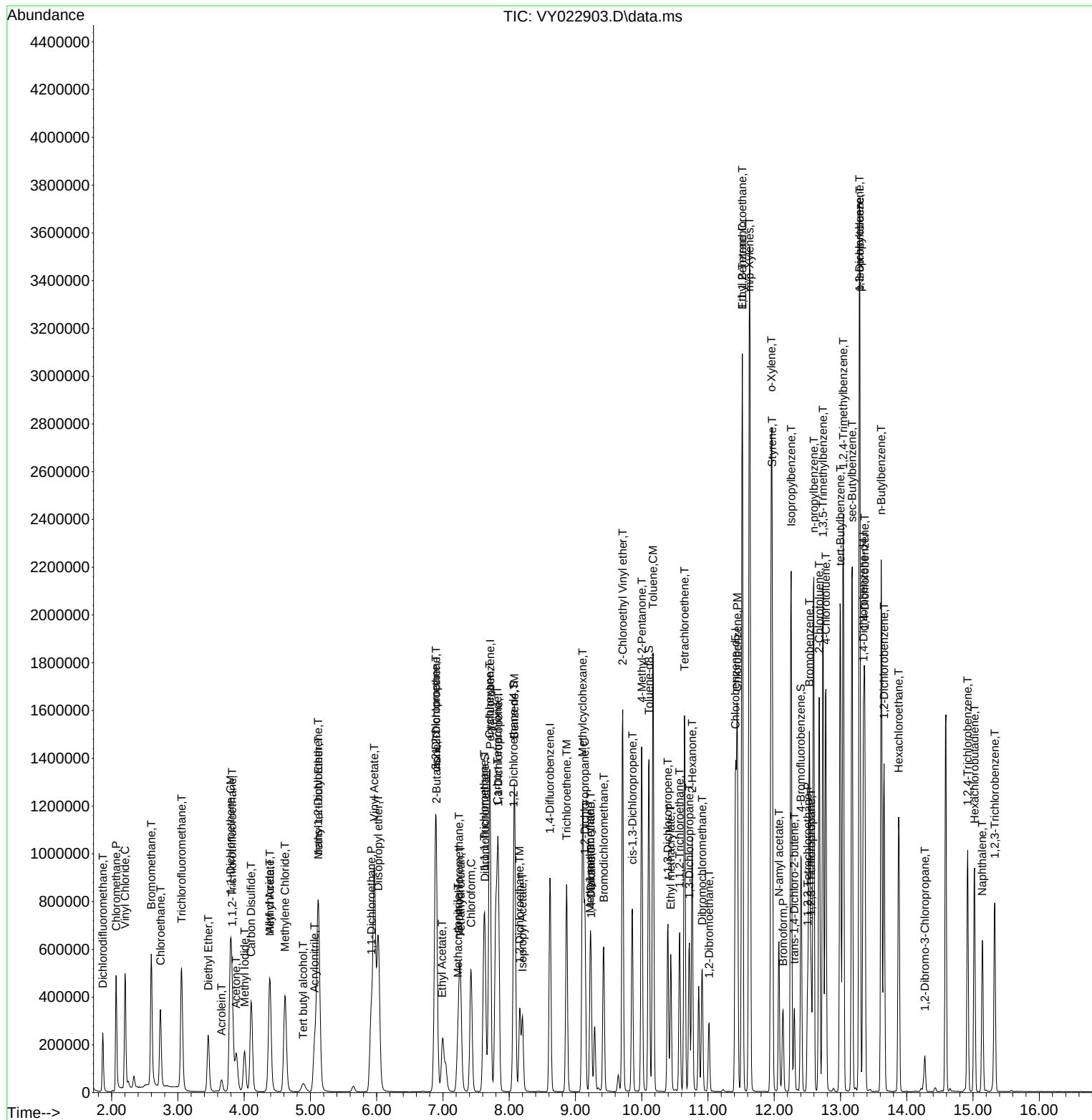
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 07/03/2025
 Supervised By : Semsettin Yesilyurt 07/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.428	0.411	4.0	94	0.00
3 P	Chloromethane	0.816	0.897	-9.9	110	0.00
4 C	Vinyl Chloride	1.020	1.044	-2.4#	97	0.00
5 T	Bromomethane	0.802	0.808	-0.7	102	0.00
6 T	Chloroethane	0.686	0.718	-4.7	101	0.00
7 T	Trichlorofluoromethane	1.129	1.131	-0.2	94	0.00
8 T	Diethyl Ether	0.279	0.290	-3.9	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.529	-2.5	100	0.00
10 T	Methyl Iodide	0.562	0.592	-5.3	92	0.00
11 T	Tert butyl alcohol	0.037	0.034	8.1	87	0.00
12 CM	1,1-Dichloroethene	0.506	0.524	-3.6#	99	0.00
13 T	Acrolein	0.050	0.026	48.0#	52	0.00
14 T	Allyl chloride	0.778	0.858	-10.3	105	0.00
15 T	Acrylonitrile	0.116	0.125	-7.8	101	0.00
16 T	Acetone	0.105	0.130	-23.8	133	0.00
17 T	Carbon Disulfide	1.635	1.666	-1.9	97	0.00
18 T	Methyl Acetate	0.349	0.342	2.0	95	0.00
19 T	Methyl tert-butyl Ether	1.378	1.459	-5.9	99	0.00
20 T	Methylene Chloride	0.666	0.654	1.8	108	0.00
21 T	trans-1,2-Dichloroethene	0.578	0.601	-4.0	99	0.00
22 T	Diisopropyl ether	1.729	1.897	-9.7	103	0.00
23 T	Vinyl Acetate	0.955	1.075	-12.6	103	0.00
24 P	1,1-Dichloroethane	1.044	1.127	-8.0	102	0.00
25 T	2-Butanone	0.154	0.175	-13.6	111	0.00
26 T	2,2-Dichloropropane	0.875	0.968	-10.6	106	0.00
27 T	cis-1,2-Dichloroethene	0.672	0.696	-3.6	99	0.00
28 T	Bromochloromethane	0.439	0.455	-3.6	96	0.00
29 T	Tetrahydrofuran	0.097	0.105	-8.2	100	0.00
30 C	Chloroform	1.076	1.121	-4.2#	99	0.00
31 T	Cyclohexane	0.959	1.013	-5.6	104	0.00
32 T	1,1,1-Trichloroethane	0.929	0.989	-6.5	101	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.550	1.4	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35 S	Dibromofluoromethane	0.304	0.303	0.3	95	0.00
36 T	1,1-Dichloropropene	0.461	0.495	-7.4	101	0.00
37 T	Ethyl Acetate	0.199	0.220	-10.6	102	0.00
38 T	Carbon Tetrachloride	0.486	0.518	-6.6	101	0.00
39 T	Methylcyclohexane	0.596	0.656	-10.1	101	0.00
40 TM	Benzene	1.417	1.521	-7.3	99	0.00
41 T	Methacrylonitrile	0.122	0.119	2.5	95	0.00
42 TM	1,2-Dichloroethane	0.388	0.415	-7.0	99	0.00
43 T	Isopropyl Acetate	0.413	0.453	-9.7	99	0.00
44 TM	Trichloroethene	0.356	0.379	-6.5	97	0.00
45 C	1,2-Dichloropropane	0.332	0.363	-9.3#	102	0.00
46 T	Dibromomethane	0.188	0.194	-3.2	97	0.00
47 T	Bromodichloromethane	0.485	0.513	-5.8	98	0.00
48 T	Methyl methacrylate	0.199	0.222	-11.6	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	88	0.00
50 S	Toluene-d8	1.207	1.217	-0.8	96	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.238	-13.3	101	0.00
52 CM	Toluene	0.894	0.967	-8.2#	100	0.00
53 T	t-1,3-Dichloropropene	0.437	0.480	-9.8	102	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.551	-8.9	101	0.00
55 T	1,1,2-Trichloroethane	0.244	0.260	-6.6	98	0.00
56 T	Ethyl methacrylate	0.328	0.365	-11.3	99	0.00
57 T	1,3-Dichloropropane	0.425	0.457	-7.5	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.180	-24.1	102	0.00
59 T	2-Hexanone	0.143	0.165	-15.4	104	0.00
60 T	Dibromochloromethane	0.315	0.331	-5.1	96	0.00
61 T	1,2-Dibromoethane	0.228	0.239	-4.8	97	0.00
62 S	4-Bromofluorobenzene	0.388	0.389	-0.3	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.472	0.498	-5.5	91	0.00
65 PM	Chlorobenzene	1.099	1.178	-7.2	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.395	-6.2	97	0.00
67 C	Ethyl Benzene	1.930	2.164	-12.1#	101	0.00
68 T	m/p-Xylenes	0.746	0.834	-11.8	101	0.00
69 T	o-Xylene	0.703	0.783	-11.4	101	0.00
70 T	Styrene	1.178	1.313	-11.5	99	0.00
71 P	Bromoform	0.207	0.220	-6.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	3.698	4.114	-11.2	101	0.00
74 T	N-amyl acetate	0.830	0.962	-15.9	100	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.635	-6.5	104	0.00
76 T	1,2,3-Trichloropropane	0.510	0.501	1.8	92	0.00
77 T	Bromobenzene	0.838	0.894	-6.7	98	0.00
78 T	n-propylbenzene	4.465	5.033	-12.7	103	0.00
79 T	2-Chlorotoluene	2.522	2.788	-10.5	101	0.00
80 T	1,3,5-Trimethylbenzene	2.985	3.337	-11.8	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.228	-12.9	107	0.00
82 T	4-Chlorotoluene	2.650	2.881	-8.7	100	0.00
83 T	tert-Butylbenzene	2.633	2.974	-13.0	102	0.00
84 T	1,2,4-Trimethylbenzene	2.989	3.339	-11.7	100	0.00
85 T	sec-Butylbenzene	3.961	4.512	-13.9	103	0.00
86 T	p-Isopropyltoluene	3.296	3.729	-13.1	102	0.00
87 T	1,3-Dichlorobenzene	1.683	1.822	-8.3	99	0.00
88 T	1,4-Dichlorobenzene	1.672	1.793	-7.2	99	0.00
89 T	n-Butylbenzene	3.101	3.570	-15.1	104	0.00
90 T	Hexachloroethane	0.657	0.713	-8.5	99	0.00
91 T	1,2-Dichlorobenzene	1.483	1.577	-6.3	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.105	-4.0	95	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.880	-5.0	97	0.00
94 T	Hexachlorobutadiene	0.474	0.482	-1.7	97	0.00
95 T	Naphthalene	1.515	1.584	-4.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.729	-0.7	93	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	48.074	3.9	94	0.00
3 P	Chloromethane	50.000	54.938	-9.9	110	0.00
4 C	Vinyl Chloride	50.000	51.162	-2.3#	97	0.00
5 T	Bromomethane	50.000	50.387	-0.8	102	0.00
6 T	Chloroethane	50.000	52.370	-4.7	101	0.00
7 T	Trichlorofluoromethane	50.000	50.063	-0.1	94	0.00
8 T	Diethyl Ether	50.000	52.045	-4.1	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.252	-2.5	100	0.00
10 T	Methyl Iodide	50.000	52.645	-5.3	92	0.00
11 T	Tert butyl alcohol	250.000	229.738	8.1	87	0.00
12 CM	1,1-Dichloroethene	50.000	51.733	-3.5#	99	0.00
13 T	Acrolein	250.000	130.259	47.9#	52	0.00
14 T	Allyl chloride	50.000	55.134	-10.3	105	0.00
15 T	Acrylonitrile	250.000	268.343	-7.3	101	0.00
16 T	Acetone	250.000	308.962	-23.6	133	0.00
17 T	Carbon Disulfide	50.000	50.951	-1.9	97	0.00
18 T	Methyl Acetate	50.000	48.941	2.1	95	0.00
19 T	Methyl tert-butyl Ether	50.000	52.936	-5.9	99	0.00
20 T	Methylene Chloride	50.000	49.080	1.8	108	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.911	-3.8	99	0.00
22 T	Diisopropyl ether	50.000	54.863	-9.7	103	0.00
23 T	Vinyl Acetate	250.000	281.530	-12.6	103	0.00
24 P	1,1-Dichloroethane	50.000	53.984	-8.0	102	0.00
25 T	2-Butanone	250.000	284.947	-14.0	111	0.00
26 T	2,2-Dichloropropane	50.000	55.306	-10.6	106	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.765	-3.5	99	0.00
28 T	Bromochloromethane	50.000	51.825	-3.7	96	0.00
29 T	Tetrahydrofuran	250.000	270.605	-8.2	100	0.00
30 C	Chloroform	50.000	52.131	-4.3#	99	0.00
31 T	Cyclohexane	50.000	52.845	-5.7	104	0.00
32 T	1,1,1-Trichloroethane	50.000	53.205	-6.4	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.289	1.4	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35 S	Dibromofluoromethane	50.000	49.768	0.5	95	0.00
36 T	1,1-Dichloropropene	50.000	53.752	-7.5	101	0.00
37 T	Ethyl Acetate	50.000	55.392	-10.8	102	0.00
38 T	Carbon Tetrachloride	50.000	53.273	-6.5	101	0.00
39 T	Methylcyclohexane	50.000	54.971	-9.9	101	0.00
40 TM	Benzene	50.000	53.674	-7.3	99	0.00
41 T	Methacrylonitrile	50.000	48.479	3.0	95	0.00
42 TM	1,2-Dichloroethane	50.000	53.409	-6.8	99	0.00
43 T	Isopropyl Acetate	50.000	54.817	-9.6	99	0.00
44 TM	Trichloroethene	50.000	53.232	-6.5	97	0.00
45 C	1,2-Dichloropropane	50.000	54.743	-9.5#	102	0.00
46 T	Dibromomethane	50.000	51.562	-3.1	97	0.00
47 T	Bromodichloromethane	50.000	52.849	-5.7	98	0.00
48 T	Methyl methacrylate	50.000	55.754	-11.5	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	959.632	4.0	88	0.00
50 S	Toluene-d8	50.000	50.437	-0.9	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	283.019	-13.2	101	0.00
52 CM	Toluene	50.000	54.060	-8.1#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	54.960	-9.9	102	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.430	-8.9	101	0.00
55 T	1,1,2-Trichloroethane	50.000	53.244	-6.5	98	0.00
56 T	Ethyl methacrylate	50.000	55.677	-11.4	99	0.00
57 T	1,3-Dichloropropane	50.000	53.673	-7.3	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.320	-4.1	102	0.00
59 T	2-Hexanone	250.000	288.576	-15.4	104	0.00
60 T	Dibromochloromethane	50.000	52.630	-5.3	96	0.00
61 T	1,2-Dibromoethane	50.000	52.452	-4.9	97	0.00
62 S	4-Bromofluorobenzene	50.000	50.088	-0.2	96	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	52.699	-5.4	91	0.00
65 PM	Chlorobenzene	50.000	53.623	-7.2	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.117	-6.2	97	0.00
67 C	Ethyl Benzene	50.000	56.048	-12.1#	101	0.00
68 T	m/p-Xylenes	100.000	111.770	-11.8	101	0.00
69 T	o-Xylene	50.000	55.713	-11.4	101	0.00
70 T	Styrene	50.000	55.754	-11.5	99	0.00
71 P	Bromoform	50.000	53.058	-6.1	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	55.625	-11.3	101	0.00
74 T	N-amyl acetate	50.000	57.921	-15.8	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.300	-6.6	104	0.00
76 T	1,2,3-Trichloropropane	50.000	49.095	1.8	92	0.00
77 T	Bromobenzene	50.000	53.353	-6.7	98	0.00
78 T	n-propylbenzene	50.000	56.371	-12.7	103	0.00
79 T	2-Chlorotoluene	50.000	55.258	-10.5	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.899	-11.8	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.484	-13.0	107	0.00
82 T	4-Chlorotoluene	50.000	54.375	-8.8	100	0.00
83 T	tert-Butylbenzene	50.000	56.476	-13.0	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.864	-11.7	100	0.00
85 T	sec-Butylbenzene	50.000	56.954	-13.9	103	0.00
86 T	p-Isopropyltoluene	50.000	56.563	-13.1	102	0.00
87 T	1,3-Dichlorobenzene	50.000	54.130	-8.3	99	0.00
88 T	1,4-Dichlorobenzene	50.000	53.624	-7.2	99	0.00
89 T	n-Butylbenzene	50.000	57.570	-15.1	104	0.00
90 T	Hexachloroethane	50.000	54.266	-8.5	99	0.00
91 T	1,2-Dichlorobenzene	50.000	53.145	-6.3	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.851	-3.7	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.504	-5.0	97	0.00
94 T	Hexachlorobutadiene	50.000	50.846	-1.7	97	0.00
95 T	Naphthalene	50.000	52.284	-4.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022903.D
Acq On : 02 Jul 2025 10:37
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: Jul 03 02:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.355	-0.7	93	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/03/2025 09:26</u>
Lab File ID:	<u>VY022929.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.395		-7.71	20
Chloromethane	0.816	0.853	0.1	4.53	20
Vinyl Chloride	1.020	1.001		-1.86	20
Bromomethane	0.802	0.783		-2.37	20
Chloroethane	0.686	0.704		2.62	20
Trichlorofluoromethane	1.129	1.112		-1.51	20
1,1,2-Trichlorotrifluoroethane	0.516	0.521		0.97	20
1,1-Dichloroethene	0.506	0.499		-1.38	20
Acetone	0.105	0.122		16.19	20
Carbon Disulfide	1.635	1.601		-2.08	20
Methyl tert-butyl Ether	1.378	1.350		-2.03	20
Methyl Acetate	0.349	0.306		-12.32	20
Methylene Chloride	0.666	0.618		-7.21	20
trans-1,2-Dichloroethene	0.578	0.573		-0.87	20
1,1-Dichloroethane	1.044	1.086	0.1	4.02	20
Cyclohexane	0.959	0.963		0.42	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.511		5.14	20
cis-1,2-Dichloroethene	0.672	0.674		0.3	20
Bromochloromethane	0.439	0.476		8.43	20
Chloroform	1.076	1.085		0.93	20
1,1,1-Trichloroethane	0.929	0.949		2.15	20
Methylcyclohexane	0.596	0.639		7.22	20
Benzene	1.417	1.504		6.14	20
1,2-Dichloroethane	0.388	0.408		5.16	20
Trichloroethene	0.356	0.371		4.21	20
1,2-Dichloropropane	0.332	0.354		6.63	20
Bromodichloromethane	0.485	0.508		4.74	20
4-Methyl-2-Pentanone	0.210	0.223		6.19	20
Toluene	0.894	0.947		5.93	20
t-1,3-Dichloropropene	0.437	0.460		5.26	20
cis-1,3-Dichloropropene	0.506	0.534		5.53	20
1,1,2-Trichloroethane	0.244	0.251		2.87	20
2-Hexanone	0.143	0.154		7.69	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.231		1.32	20
Tetrachloroethene	0.472	0.517		9.53	20
Chlorobenzene	1.099	1.171	0.3	6.55	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/03/2025</u> <u>09:26</u>
Lab File ID:	<u>VY022929.D</u>	Init. Calib. Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.129		10.31	20
m/p-Xylenes	0.746	0.813		8.98	20
o-Xylene	0.703	0.753		7.11	20
Styrene	1.178	1.277		8.4	20
Bromoform	0.207	0.207	0.1	0	20
Isopropylbenzene	3.698	4.069		10.03	20
1,1,2,2-Tetrachloroethane	0.596	0.596	0.3	0	20
1,3-Dichlorobenzene	1.683	1.801		7.01	20
1,4-Dichlorobenzene	1.672	1.727		3.29	20
1,2-Dichlorobenzene	1.483	1.511		1.89	20
1,2-Dibromo-3-Chloropropane	0.101	0.094		-6.93	20
1,2,4-Trichlorobenzene	0.838	0.802		-4.3	20
1,2,3-Trichlorobenzene	0.724	0.673		-7.04	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.318		4.61	20
Toluene-d8	1.207	1.258		4.22	20
4-Bromofluorobenzene	0.388	0.393		1.29	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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 :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	402903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	653588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	273118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221711	49.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.600%		
35) Dibromofluoromethane	7.634	113	207893	52.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.600%		
50) Toluene-d8	10.109	98	822398	52.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.280%		
62) 4-Bromofluorobenzene	12.402	95	256743	50.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	159301	46.238	ug/l	99
3) Chloromethane	2.068	50	343620	52.232	ug/l	100
4) Vinyl Chloride	2.202	62	403476	49.090	ug/l	99
5) Bromomethane	2.592	94	315366	48.807	ug/l	99
6) Chloroethane	2.733	64	283645	51.340	ug/l	95
7) Trichlorofluoromethane	3.050	101	447854	49.210	ug/l	97
8) Diethyl Ether	3.452	74	109892	48.889	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	209821	50.449	ug/l	98
10) Methyl Iodide	4.007	142	264145	58.333	ug/l	100
11) Tert butyl alcohol	4.891	59	62549	209.190	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	201123	49.317	ug/l	98
13) Acrolein	3.653	56	45546	112.333	ug/l	100
14) Allyl chloride	4.385	41	329895	52.592	ug/l	93
15) Acrylonitrile	5.061	53	236140	251.792	ug/l	99
16) Acetone	3.879	43	244955	288.206	ug/l	96
17) Carbon Disulfide	4.104	76	644897	48.950	ug/l	100
18) Methyl Acetate	4.385	43	123302	43.806	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	543984	48.988	ug/l	100
20) Methylene Chloride	4.616	84	248906	46.373	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	230748	49.507	ug/l	95
22) Diisopropyl ether	6.019	45	737022	52.907	ug/l	96
23) Vinyl Acetate	5.958	43	2032484	264.179	ug/l	99
24) 1,1-Dichloroethane	5.915	63	437401	51.983	ug/l	99
25) 2-Butanone	6.896	43	318896	257.796	ug/l	98
26) 2,2-Dichloropropane	6.884	77	380952	54.010	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	271426	50.116	ug/l	98
28) Bromochloromethane	7.244	49	191848	54.233	ug/l	99
29) Tetrahydrofuran	7.262	42	192259	246.138	ug/l	99
30) Chloroform	7.421	83	437061	50.431	ug/l	93
31) Cyclohexane	7.701	56	388020	50.237	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	382460	51.068	ug/l	99
36) 1,1-Dichloropropene	7.835	75	319955	53.106	ug/l	100
37) Ethyl Acetate	6.988	43	137965	53.067	ug/l	98
38) Carbon Tetrachloride	7.817	117	334137	52.562	ug/l	97
39) Methylcyclohexane	9.110	83	417671	53.570	ug/l	99
40) Benzene	8.079	78	983034	53.069	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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 :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	79058	49.395	ug/l	97
42) 1,2-Dichloroethane	8.158	62	266580	52.518	ug/l	97
43) Isopropyl Acetate	8.195	43	278215	51.489	ug/l	99
44) Trichloroethene	8.866	130	242347	52.109	ug/l	95
45) 1,2-Dichloropropane	9.140	63	231313	53.355	ug/l	95
46) Dibromomethane	9.231	93	124676	50.659	ug/l	98
47) Bromodichloromethane	9.420	83	331843	52.290	ug/l	96
48) Methyl methacrylate	9.219	41	132085	50.849	ug/l	94
49) 1,4-Dioxane	9.238	88	26705	918.445	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	730249	265.945	ug/l	97
52) Toluene	10.170	92	619081	52.975	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	300582	52.642	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	348697	52.668	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	163959	51.449	ug/l	98
56) Ethyl methacrylate	10.439	69	220750	51.487	ug/l	96
57) 1,3-Dichloropropane	10.719	76	288129	51.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	564852	250.621	ug/l	100
59) 2-Hexanone	10.762	43	503372	269.637	ug/l	99
60) Dibromochloromethane	10.908	129	208619	50.681	ug/l	100
61) 1,2-Dibromoethane	11.012	107	150877	50.594	ug/l	96
64) Tetrachloroethene	10.646	164	287771	54.707	ug/l	98
65) Chlorobenzene	11.444	112	651961	53.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	218147	52.642	ug/l	99
67) Ethyl Benzene	11.518	91	1185364	55.142	ug/l	99
68) m/p-Xylenes	11.627	106	904993	108.907	ug/l	97
69) o-Xylene	11.957	106	419143	53.531	ug/l	99
70) Styrene	11.969	104	711124	54.220	ug/l	99
71) Bromoform	12.133	173	115339	49.986	ug/l #	99
73) Isopropylbenzene	12.255	105	1111224	55.014	ug/l	100
74) N-amyl acetate	12.072	43	247051	54.490	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	162805	50.011	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	136940m	49.112	ug/l	
77) Bromobenzene	12.530	156	237250	51.820	ug/l	99
78) n-propylbenzene	12.597	91	1352930	55.477	ug/l	99
79) 2-Chlorotoluene	12.682	91	749820	54.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	900336	55.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	58536	53.038	ug/l	98
82) 4-Chlorotoluene	12.774	91	779678	53.872	ug/l	100
83) tert-Butylbenzene	12.999	119	799316	55.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	890409	54.542	ug/l	100
85) sec-Butylbenzene	13.176	105	1195350	55.247	ug/l	99
86) p-Isopropyltoluene	13.292	119	993029	55.152	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	491888	53.495	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	471793	51.654	ug/l	99
89) n-Butylbenzene	13.615	91	940757	55.546	ug/l	100
90) Hexachloroethane	13.877	117	193122	53.852	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	412651	50.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25721	46.591	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	218911	47.848	ug/l	99
94) Hexachlorobutadiene	15.023	225	125810	48.629	ug/l	98
95) Naphthalene	15.145	128	386461	46.711	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	183678	46.460	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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 :Mahesh Dadoda 07/07/2025
Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

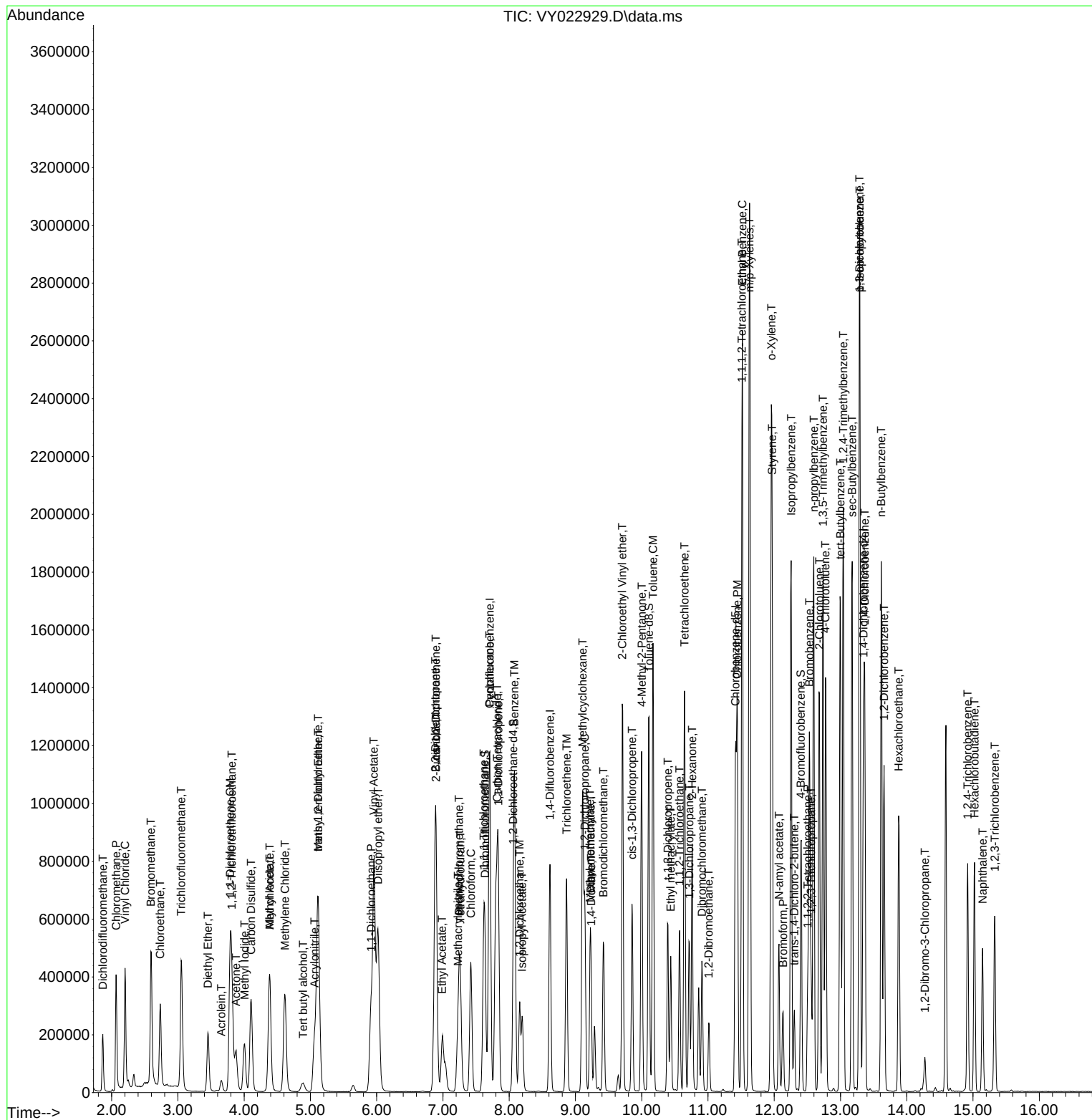
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2 T	Dichlorodifluoromethane	0.428	0.395	7.7	81	0.00
3 P	Chloromethane	0.816	0.853	-4.5	93	0.00
4 C	Vinyl Chloride	1.020	1.001	1.9#	83	0.00
5 T	Bromomethane	0.802	0.783	2.4	88	0.00
6 T	Chloroethane	0.686	0.704	-2.6	88	0.00
7 T	Trichlorofluoromethane	1.129	1.112	1.5	82	0.00
8 T	Diethyl Ether	0.279	0.273	2.2	83	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.521	-1.0	87	0.00
10 T	Methyl Iodide	0.562	0.656	-16.7	90	0.00
11 T	Tert butyl alcohol	0.037	0.031	16.2	70	0.00
12 CM	1,1-Dichloroethene	0.506	0.499	1.4#	84	-0.01
13 T	Acrolein	0.050	0.023	54.0#	39#	0.00
14 T	Allyl chloride	0.778	0.819	-5.3	89	0.00
15 T	Acrylonitrile	0.116	0.117	-0.9	84	0.00
16 T	Acetone	0.105	0.122	-16.2	110	0.00
17 T	Carbon Disulfide	1.635	1.601	2.1	83	0.00
18 T	Methyl Acetate	0.349	0.306	12.3	75	-0.01
19 T	Methyl tert-butyl Ether	1.378	1.350	2.0	81	-0.01
20 T	Methylene Chloride	0.666	0.618	7.2	90	0.00
21 T	trans-1,2-Dichloroethene	0.578	0.573	0.9	84	0.00
22 T	Diisopropyl ether	1.729	1.829	-5.8	88	0.00
23 T	Vinyl Acetate	0.955	1.009	-5.7	86	-0.01
24 P	1,1-Dichloroethane	1.044	1.086	-4.0	87	0.00
25 T	2-Butanone	0.154	0.158	-2.6	89	0.00
26 T	2,2-Dichloropropane	0.875	0.946	-8.1	92	0.00
27 T	cis-1,2-Dichloroethene	0.672	0.674	-0.3	85	0.00
28 T	Bromochloromethane	0.439	0.476	-8.4	90	0.00
29 T	Tetrahydrofuran	0.097	0.095	2.1	81	0.00
30 C	Chloroform	1.076	1.085	-0.8#	86	0.00
31 T	Cyclohexane	0.959	0.963	-0.4	88	0.00
32 T	1,1,1-Trichloroethane	0.929	0.949	-2.2	86	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.550	1.4	85	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35 S	Dibromofluoromethane	0.304	0.318	-4.6	87	0.00
36 T	1,1-Dichloropropene	0.461	0.490	-6.3	87	0.00
37 T	Ethyl Acetate	0.199	0.211	-6.0	85	0.00
38 T	Carbon Tetrachloride	0.486	0.511	-5.1	87	0.00
39 T	Methylcyclohexane	0.596	0.639	-7.2	86	0.00
40 TM	Benzene	1.417	1.504	-6.1	85	0.00
41 T	Methacrylonitrile	0.122	0.121	0.8	84	0.00
42 TM	1,2-Dichloroethane	0.388	0.408	-5.2	85	0.00
43 T	Isopropyl Acetate	0.413	0.426	-3.1	81	0.00
44 TM	Trichloroethene	0.356	0.371	-4.2	83	0.00
45 C	1,2-Dichloropropane	0.332	0.354	-6.6#	87	0.00
46 T	Dibromomethane	0.188	0.191	-1.6	83	0.00
47 T	Bromodichloromethane	0.485	0.508	-4.7	85	0.00
48 T	Methyl methacrylate	0.199	0.202	-1.5	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	74	0.00
50 S	Toluene-d8	1.207	1.258	-4.2	86	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.223	-6.2	82	0.00
52 CM	Toluene	0.894	0.947	-5.9#	85	0.00
53 T	t-1,3-Dichloropropene	0.437	0.460	-5.3	85	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.534	-5.5	85	0.00
55 T	1,1,2-Trichloroethane	0.244	0.251	-2.9	83	0.00
56 T	Ethyl methacrylate	0.328	0.338	-3.0	79	0.00
57 T	1,3-Dichloropropane	0.425	0.441	-3.8	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.173	-19.3	85	0.00
59 T	2-Hexanone	0.143	0.154	-7.7	85	0.00
60 T	Dibromochloromethane	0.315	0.319	-1.3	81	0.00
61 T	1,2-Dibromoethane	0.228	0.231	-1.3	81	0.00
62 S	4-Bromofluorobenzene	0.388	0.393	-1.3	85	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64 T	Tetrachloroethene	0.472	0.517	-9.5	82	0.00
65 PM	Chlorobenzene	1.099	1.171	-6.6	85	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.392	-5.4	83	0.00
67 C	Ethyl Benzene	1.930	2.129	-10.3#	86	0.00
68 T	m/p-Xylenes	0.746	0.813	-9.0	85	0.00
69 T	o-Xylene	0.703	0.753	-7.1	84	0.00
70 T	Styrene	1.178	1.277	-8.4	83	0.00
71 P	Bromoform	0.207	0.207	0.0	80	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73 T	Isopropylbenzene	3.698	4.069	-10.0	85	0.00
74 T	N-amyl acetate	0.830	0.905	-9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.596	0.0	83	0.00
76 T	1,2,3-Trichloropropane	0.510	0.501	1.8	78	0.00
77 T	Bromobenzene	0.838	0.869	-3.7	81	0.00
78 T	n-propylbenzene	4.465	4.954	-11.0	86	0.00
79 T	2-Chlorotoluene	2.522	2.745	-8.8	84	0.00
80 T	1,3,5-Trimethylbenzene	2.985	3.297	-10.5	85	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.214	-5.9	85	0.00
82 T	4-Chlorotoluene	2.650	2.855	-7.7	84	0.00
83 T	tert-Butylbenzene	2.633	2.927	-11.2	85	0.00
84 T	1,2,4-Trimethylbenzene	2.989	3.260	-9.1	83	0.00
85 T	sec-Butylbenzene	3.961	4.377	-10.5	85	0.00
86 T	p-Isopropyltoluene	3.296	3.636	-10.3	84	0.00
87 T	1,3-Dichlorobenzene	1.683	1.801	-7.0	84	0.00
88 T	1,4-Dichlorobenzene	1.672	1.727	-3.3	81	0.00
89 T	n-Butylbenzene	3.101	3.445	-11.1	85	0.00
90 T	Hexachloroethane	0.657	0.707	-7.6	83	0.00
91 T	1,2-Dichlorobenzene	1.483	1.511	-1.9	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.094	6.9	72	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.802	4.3	75	0.00
94 T	Hexachlorobutadiene	0.474	0.461	2.7	79	0.00
95 T	Naphthalene	1.515	1.415	6.6	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.673	7.0	73	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2 T	Dichlorodifluoromethane	50.000	46.238	7.5	81	0.00
3 P	Chloromethane	50.000	52.232	-4.5	93	0.00
4 C	Vinyl Chloride	50.000	49.090	1.8#	83	0.00
5 T	Bromomethane	50.000	48.807	2.4	88	0.00
6 T	Chloroethane	50.000	51.340	-2.7	88	0.00
7 T	Trichlorofluoromethane	50.000	49.210	1.6	82	0.00
8 T	Diethyl Ether	50.000	48.889	2.2	83	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.449	-0.9	87	0.00
10 T	Methyl Iodide	50.000	58.333	-16.7	90	0.00
11 T	Tert butyl alcohol	250.000	209.190	16.3	70	0.00
12 CM	1,1-Dichloroethene	50.000	49.317	1.4#	84	-0.01
13 T	Acrolein	250.000	112.333	55.1#	39	0.00
14 T	Allyl chloride	50.000	52.592	-5.2	89	0.00
15 T	Acrylonitrile	250.000	251.792	-0.7	84	0.00
16 T	Acetone	250.000	288.206	-15.3	110	0.00
17 T	Carbon Disulfide	50.000	48.950	2.1	83	0.00
18 T	Methyl Acetate	50.000	43.806	12.4	75	-0.01
19 T	Methyl tert-butyl Ether	50.000	48.988	2.0	81	-0.01
20 T	Methylene Chloride	50.000	46.373	7.3	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.507	1.0	84	0.00
22 T	Diisopropyl ether	50.000	52.907	-5.8	88	0.00
23 T	Vinyl Acetate	250.000	264.179	-5.7	86	-0.01
24 P	1,1-Dichloroethane	50.000	51.983	-4.0	87	0.00
25 T	2-Butanone	250.000	257.796	-3.1	89	0.00
26 T	2,2-Dichloropropane	50.000	54.010	-8.0	92	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.116	-0.2	85	0.00
28 T	Bromochloromethane	50.000	54.233	-8.5	90	0.00
29 T	Tetrahydrofuran	250.000	246.138	1.5	81	0.00
30 C	Chloroform	50.000	50.431	-0.9#	86	0.00
31 T	Cyclohexane	50.000	50.237	-0.5	88	0.00
32 T	1,1,1-Trichloroethane	50.000	51.068	-2.1	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.304	1.4	85	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35 S	Dibromofluoromethane	50.000	52.303	-4.6	87	0.00
36 T	1,1-Dichloropropene	50.000	53.106	-6.2	87	0.00
37 T	Ethyl Acetate	50.000	53.067	-6.1	85	0.00
38 T	Carbon Tetrachloride	50.000	52.562	-5.1	87	0.00
39 T	Methylcyclohexane	50.000	53.570	-7.1	86	0.00
40 TM	Benzene	50.000	53.069	-6.1	85	0.00
41 T	Methacrylonitrile	50.000	49.395	1.2	84	0.00
42 TM	1,2-Dichloroethane	50.000	52.518	-5.0	85	0.00
43 T	Isopropyl Acetate	50.000	51.489	-3.0	81	0.00
44 TM	Trichloroethene	50.000	52.109	-4.2	83	0.00
45 C	1,2-Dichloropropane	50.000	53.355	-6.7#	87	0.00
46 T	Dibromomethane	50.000	50.659	-1.3	83	0.00
47 T	Bromodichloromethane	50.000	52.290	-4.6	85	0.00
48 T	Methyl methacrylate	50.000	50.849	-1.7	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	918.445	8.2	74	0.00
50 S	Toluene-d8	50.000	52.141	-4.3	86	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.945	-6.4	82	0.00
52 CM	Toluene	50.000	52.975	-6.0#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	52.642	-5.3	85	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.668	-5.3	85	0.00
55 T	1,1,2-Trichloroethane	50.000	51.449	-2.9	83	0.00
56 T	Ethyl methacrylate	50.000	51.487	-3.0	79	0.00
57 T	1,3-Dichloropropane	50.000	51.822	-3.6	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	250.621	-0.2	85	0.00
59 T	2-Hexanone	250.000	269.637	-7.9	85	0.00
60 T	Dibromochloromethane	50.000	50.681	-1.4	81	0.00
61 T	1,2-Dibromoethane	50.000	50.594	-1.2	81	0.00
62 S	4-Bromofluorobenzene	50.000	50.636	-1.3	85	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64 T	Tetrachloroethene	50.000	54.707	-9.4	82	0.00
65 PM	Chlorobenzene	50.000	53.287	-6.6	85	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.642	-5.3	83	0.00
67 C	Ethyl Benzene	50.000	55.142	-10.3#	86	0.00
68 T	m/p-Xylenes	100.000	108.907	-8.9	85	0.00
69 T	o-Xylene	50.000	53.531	-7.1	84	0.00
70 T	Styrene	50.000	54.220	-8.4	83	0.00
71 P	Bromoform	50.000	49.986	0.0	80	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73 T	Isopropylbenzene	50.000	55.014	-10.0	85	0.00
74 T	N-amyl acetate	50.000	54.490	-9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.011	-0.0	83	0.00
76 T	1,2,3-Trichloropropane	50.000	49.112	1.8	78	0.00
77 T	Bromobenzene	50.000	51.820	-3.6	81	0.00
78 T	n-propylbenzene	50.000	55.477	-11.0	86	0.00
79 T	2-Chlorotoluene	50.000	54.420	-8.8	84	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.216	-10.4	85	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.038	-6.1	85	0.00
82 T	4-Chlorotoluene	50.000	53.872	-7.7	84	0.00
83 T	tert-Butylbenzene	50.000	55.584	-11.2	85	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.542	-9.1	83	0.00
85 T	sec-Butylbenzene	50.000	55.247	-10.5	85	0.00
86 T	p-Isopropyltoluene	50.000	55.152	-10.3	84	0.00
87 T	1,3-Dichlorobenzene	50.000	53.495	-7.0	84	0.00
88 T	1,4-Dichlorobenzene	50.000	51.654	-3.3	81	0.00
89 T	n-Butylbenzene	50.000	55.546	-11.1	85	0.00
90 T	Hexachloroethane	50.000	53.852	-7.7	83	0.00
91 T	1,2-Dichlorobenzene	50.000	50.925	-1.8	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.591	6.8	72	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.848	4.3	75	0.00
94 T	Hexachlorobutadiene	50.000	48.629	2.7	79	0.00
95 T	Naphthalene	50.000	46.711	6.6	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022929.D
Acq On : 03 Jul 2025 09:26
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: Jul 04 03:14:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.460	7.1	73	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/07/2025 09:08</u>
Lab File ID:	<u>VY022946.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.380		-11.22	20
Chloromethane	0.816	0.771	0.1	-5.51	20
Vinyl Chloride	1.020	0.912		-10.59	20
Bromomethane	0.802	0.649		-19.08	20
Chloroethane	0.686	0.623		-9.18	20
Trichlorofluoromethane	1.129	1.008		-10.72	20
1,1,2-Trichlorotrifluoroethane	0.516	0.504		-2.33	20
1,1-Dichloroethene	0.506	0.485		-4.15	20
Acetone	0.105	0.125		19.05	20
Carbon Disulfide	1.635	1.542		-5.69	20
Methyl tert-butyl Ether	1.378	1.304		-5.37	20
Methyl Acetate	0.349	0.311		-10.89	20
Methylene Chloride	0.666	0.591		-11.26	20
trans-1,2-Dichloroethene	0.578	0.557		-3.63	20
1,1-Dichloroethane	1.044	1.033	0.1	-1.05	20
Cyclohexane	0.959	0.918		-4.28	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.497		2.26	20
cis-1,2-Dichloroethene	0.672	0.646		-3.87	20
Bromochloromethane	0.439	0.443		0.91	20
Chloroform	1.076	1.037		-3.54	20
1,1,1-Trichloroethane	0.929	0.915		-1.51	20
Methylcyclohexane	0.596	0.610		2.35	20
Benzene	1.417	1.451		2.4	20
1,2-Dichloroethane	0.388	0.385		-0.77	20
Trichloroethene	0.356	0.363		1.97	20
1,2-Dichloropropane	0.332	0.341		2.71	20
Bromodichloromethane	0.485	0.491		1.24	20
4-Methyl-2-Pentanone	0.210	0.217		3.33	20
Toluene	0.894	0.904		1.12	20
t-1,3-Dichloropropene	0.437	0.448		2.52	20
cis-1,3-Dichloropropene	0.506	0.524		3.56	20
1,1,2-Trichloroethane	0.244	0.246		0.82	20
2-Hexanone	0.143	0.151		5.59	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.227		-0.44	20
Tetrachloroethene	0.472	0.483		2.33	20
Chlorobenzene	1.099	1.117	0.3	1.64	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>WALS01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2487</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/07/2025</u> <u>09:08</u>
Lab File ID:	<u>VY022946.D</u>	Init. Calib. Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.005		3.89	20
m/p-Xylenes	0.746	0.775		3.89	20
o-Xylene	0.703	0.715		1.71	20
Styrene	1.178	1.211		2.8	20
Bromoform	0.207	0.206	0.1	-0.48	20
Isopropylbenzene	3.698	3.864		4.49	20
1,1,2,2-Tetrachloroethane	0.596	0.609	0.3	2.18	20
1,3-Dichlorobenzene	1.683	1.729		2.73	20
1,4-Dichlorobenzene	1.672	1.691		1.14	20
1,2-Dichlorobenzene	1.483	1.504		1.42	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.846		0.95	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.526		-5.74	20
Dibromofluoromethane	0.304	0.304		0	20
Toluene-d8	1.207	1.210		0.25	20
4-Bromofluorobenzene	0.388	0.394		1.55	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\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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 : Mahesh Dadoda 07/08/2025
 Supervised By : Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	469181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	648632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	317038	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	246832	47.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.280%
35) Dibromofluoromethane	7.634	113	229041	49.940	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.103	98	912489	50.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.280%
62) 4-Bromofluorobenzene	12.402	95	297486	50.848	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	178416	44.471	ug/l	99
3) Chloromethane	2.068	50	361942	47.245	ug/l	99
4) Vinyl Chloride	2.202	62	427991	44.717	ug/l	99
5) Bromomethane	2.599	94	304314	40.443	ug/l	100
6) Chloroethane	2.733	64	292466	45.459	ug/l	97
7) Trichlorofluoromethane	3.056	101	473145	44.645	ug/l	96
8) Diethyl Ether	3.452	74	123014	46.996	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	236344	48.799	ug/l	97
10) Methyl Iodide	4.001	142	277897	52.700	ug/l	99
11) Tert butyl alcohol	4.891	59	73803	211.961	ug/l	98
12) 1,1-Dichloroethene	3.787	96	227462	47.897	ug/l	99
13) Acrolein	3.653	56	40903	86.631	ug/l	99
14) Allyl chloride	4.385	41	368422	50.437	ug/l	93
15) Acrylonitrile	5.055	53	268907	246.227	ug/l	99
16) Acetone	3.879	43	294196	297.244	ug/l	97
17) Carbon Disulfide	4.104	76	723334	47.148	ug/l	100
18) Methyl Acetate	4.391	43	145970	44.534	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	611645	47.301	ug/l	97
20) Methylene Chloride	4.616	84	277496	44.396	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	261557	48.190	ug/l	97
22) Diisopropyl ether	6.019	45	819602	50.524	ug/l	98
23) Vinyl Acetate	5.958	43	2279836	254.469	ug/l	99
24) 1,1-Dichloroethane	5.915	63	484456	49.442	ug/l	100
25) 2-Butanone	6.897	43	371518	257.909	ug/l	97
26) 2,2-Dichloropropane	6.884	77	421633	51.333	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	303325	48.094	ug/l	98
28) Bromochloromethane	7.244	49	207851	50.456	ug/l	96
29) Tetrahydrofuran	7.262	42	221589	243.613	ug/l	99
30) Chloroform	7.421	83	486641	48.220	ug/l	97
31) Cyclohexane	7.701	56	430743	47.890	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	429352	49.231	ug/l	99
36) 1,1-Dichloropropene	7.835	75	355507	51.139	ug/l	99
37) Ethyl Acetate	6.982	43	154528	51.513	ug/l	98
38) Carbon Tetrachloride	7.817	117	374577	51.067	ug/l	98
39) Methylcyclohexane	9.110	83	460294	51.165	ug/l	97
40) Benzene	8.079	78	1094013	51.185	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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 :Mahesh Dadoda 07/08/2025

Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 08:29:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	87764m	47.523	ug/l	
42) 1,2-Dichloroethane	8.158	62	290550	49.608	ug/l	99
43) Isopropyl Acetate	8.195	43	311082	49.895	ug/l #	85
44) Trichloroethene	8.866	130	273722	51.008	ug/l	95
45) 1,2-Dichloropropane	9.140	63	257521	51.480	ug/l	95
46) Dibromomethane	9.231	93	139472	49.115	ug/l	95
47) Bromodichloromethane	9.420	83	370630	50.614	ug/l	98
48) Methyl methacrylate	9.219	41	153125	51.089	ug/l	94
49) 1,4-Dioxane	9.244	88	31367	934.941	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	819239	258.572	ug/l	97
52) Toluene	10.170	92	681645	50.552	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	337875	51.283	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	394892	51.693	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	185703	50.503	ug/l	97
56) Ethyl methacrylate	10.439	69	251987	50.936	ug/l	95
57) 1,3-Dichloropropane	10.719	76	323632	50.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	661824	254.251	ug/l	100
59) 2-Hexanone	10.762	43	569731	264.491	ug/l	98
60) Dibromochloromethane	10.908	129	240465	50.629	ug/l	99
61) 1,2-Dibromoethane	11.012	107	171163	49.744	ug/l	97
64) Tetrachloroethene	10.646	164	313364	51.140	ug/l	98
65) Chlorobenzene	11.438	112	724240	50.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	245337	50.822	ug/l	100
67) Ethyl Benzene	11.518	91	1300418	51.930	ug/l	98
68) m/p-Xylenes	11.627	106	1004963	103.817	ug/l	100
69) o-Xylene	11.950	106	463547	50.821	ug/l	97
70) Styrene	11.969	104	785558	51.416	ug/l	99
71) Bromoform	12.133	173	133601	49.704	ug/l #	99
73) Isopropylbenzene	12.255	105	1225056	52.248	ug/l	99
74) N-amyl acetate	12.066	43	275812	52.406	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	193055	51.088	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	149559m	46.207	ug/l	
77) Bromobenzene	12.530	156	269916	50.787	ug/l	99
78) n-propylbenzene	12.597	91	1509384	53.318	ug/l	99
79) 2-Chlorotoluene	12.676	91	835369	52.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	990349	52.322	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	68875	53.760	ug/l	98
82) 4-Chlorotoluene	12.774	91	861600	51.285	ug/l	100
83) tert-Butylbenzene	12.993	119	890540	53.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	990271	52.256	ug/l	100
85) sec-Butylbenzene	13.176	105	1328043	52.876	ug/l	99
86) p-Isopropyltoluene	13.292	119	1115979	53.394	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	548086	51.349	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	536033	50.557	ug/l	100
89) n-Butylbenzene	13.615	91	1055023	53.663	ug/l	98
90) Hexachloroethane	13.877	117	219541	52.738	ug/l	94
91) 1,2-Dichlorobenzene	13.658	146	476847	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31963	49.877	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	268251	50.510	ug/l	97
94) Hexachlorobutadiene	15.023	225	152272	50.704	ug/l	99
95) Naphthalene	15.139	128	477686	49.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	225650	49.170	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
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 :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

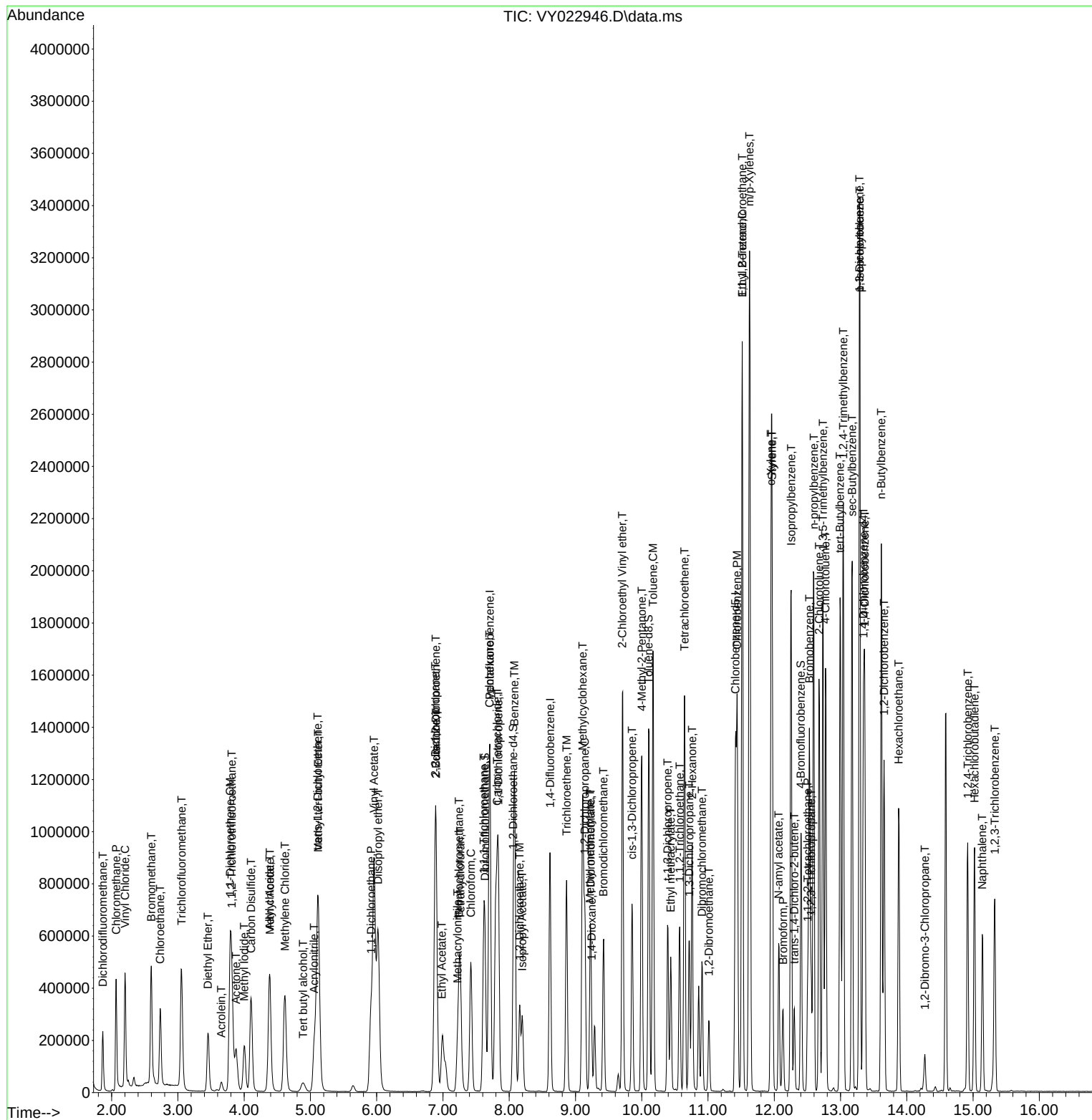
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.428	0.380	11.2	90	0.00
3 P	Chloromethane	0.816	0.771	5.5	98	0.00
4 C	Vinyl Chloride	1.020	0.912	10.6#	88	0.00
5 T	Bromomethane	0.802	0.649	19.1	85	0.00
6 T	Chloroethane	0.686	0.623	9.2	90	0.00
7 T	Trichlorofluoromethane	1.129	1.008	10.7	87	0.00
8 T	Diethyl Ether	0.279	0.262	6.1	92	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.504	2.3	98	0.00
10 T	Methyl Iodide	0.562	0.592	-5.3	95	0.00
11 T	Tert butyl alcohol	0.037	0.031	16.2	83	0.00
12 CM	1,1-Dichloroethene	0.506	0.485	4.2#	95	-0.01
13 T	Acrolein	0.050	0.017	66.0#	35#	0.00
14 T	Allyl chloride	0.778	0.785	-0.9	99	0.00
15 T	Acrylonitrile	0.116	0.115	0.9	96	-0.01
16 T	Acetone	0.105	0.125	-19.0	132	0.00
17 T	Carbon Disulfide	1.635	1.542	5.7	93	0.00
18 T	Methyl Acetate	0.349	0.311	10.9	89	0.00
19 T	Methyl tert-butyl Ether	1.378	1.304	5.4	91	-0.01
20 T	Methylene Chloride	0.666	0.591	11.3	101	0.00
21 T	trans-1,2-Dichloroethene	0.578	0.557	3.6	95	-0.01
22 T	Diisopropyl ether	1.729	1.747	-1.0	98	0.00
23 T	Vinyl Acetate	0.955	0.972	-1.8	97	-0.01
24 P	1,1-Dichloroethane	1.044	1.033	1.1	96	0.00
25 T	2-Butanone	0.154	0.158	-2.6	104	0.00
26 T	2,2-Dichloropropane	0.875	0.899	-2.7	102	0.00
27 T	cis-1,2-Dichloroethene	0.672	0.646	3.9	95	0.00
28 T	Bromochloromethane	0.439	0.443	-0.9	97	0.00
29 T	Tetrahydrofuran	0.097	0.094	3.1	93	0.00
30 C	Chloroform	1.076	1.037	3.6#	95	0.00
31 T	Cyclohexane	0.959	0.918	4.3	98	0.00
32 T	1,1,1-Trichloroethane	0.929	0.915	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.526	5.7	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35 S	Dibromofluoromethane	0.304	0.304	0.0	96	0.00
36 T	1,1-Dichloropropene	0.461	0.471	-2.2	97	0.00
37 T	Ethyl Acetate	0.199	0.205	-3.0	96	-0.01
38 T	Carbon Tetrachloride	0.486	0.497	-2.3	97	0.00
39 T	Methylcyclohexane	0.596	0.610	-2.3	95	0.00
40 TM	Benzene	1.417	1.451	-2.4	95	0.00
41 T	Methacrylonitrile	0.122	0.116	4.9	93	-0.01
42 TM	1,2-Dichloroethane	0.388	0.385	0.8	93	0.00
43 T	Isopropyl Acetate	0.413	0.412	0.2	91	0.00
44 TM	Trichloroethene	0.356	0.363	-2.0	94	0.00
45 C	1,2-Dichloropropane	0.332	0.341	-2.7#	97	0.00
46 T	Dibromomethane	0.188	0.185	1.6	93	0.00
47 T	Bromodichloromethane	0.485	0.491	-1.2	95	0.00
48 T	Methyl methacrylate	0.199	0.203	-2.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	87	0.00
50 S	Toluene-d8	1.207	1.210	-0.2	96	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.217	-3.3	92	0.00
52 CM	Toluene	0.894	0.904	-1.1#	94	0.00
53 T	t-1,3-Dichloropropene	0.437	0.448	-2.5	95	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.524	-3.6	96	0.00
55 T	1,1,2-Trichloroethane	0.244	0.246	-0.8	94	0.00
56 T	Ethyl methacrylate	0.328	0.334	-1.8	91	0.00
57 T	1,3-Dichloropropane	0.425	0.429	-0.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.176	-21.4	100	0.00
59 T	2-Hexanone	0.143	0.151	-5.6	96	0.00
60 T	Dibromochloromethane	0.315	0.319	-1.3	93	0.00
61 T	1,2-Dibromoethane	0.228	0.227	0.4	92	0.00
62 S	4-Bromofluorobenzene	0.388	0.394	-1.5	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64 T	Tetrachloroethene	0.472	0.483	-2.3	89	0.00
65 PM	Chlorobenzene	1.099	1.117	-1.6	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.378	-1.6	93	0.00
67 C	Ethyl Benzene	1.930	2.005	-3.9#	94	0.00
68 T	m/p-Xylenes	0.746	0.775	-3.9	94	0.00
69 T	o-Xylene	0.703	0.715	-1.7	93	0.00
70 T	Styrene	1.178	1.211	-2.8	92	0.00
71 P	Bromoform	0.207	0.206	0.5	92	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73 T	Isopropylbenzene	3.698	3.864	-4.5	94	0.00
74 T	N-ethyl acetate	0.830	0.870	-4.8	89	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.609	-2.2	99	0.00
76 T	1,2,3-Trichloropropane	0.510	0.472	7.5	85	0.00
77 T	Bromobenzene	0.838	0.851	-1.6	92	0.00
78 T	n-propylbenzene	4.465	4.761	-6.6	96	0.00
79 T	2-Chlorotoluene	2.522	2.635	-4.5	94	0.00
80 T	1,3,5-Trimethylbenzene	2.985	3.124	-4.7	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.217	-7.4	101	0.00
82 T	4-Chlorotoluene	2.650	2.718	-2.6	93	0.00
83 T	tert-Butylbenzene	2.633	2.809	-6.7	95	0.00
84 T	1,2,4-Trimethylbenzene	2.989	3.124	-4.5	93	0.00
85 T	sec-Butylbenzene	3.961	4.189	-5.8	94	0.00
86 T	p-Isopropyltoluene	3.296	3.520	-6.8	95	0.00
87 T	1,3-Dichlorobenzene	1.683	1.729	-2.7	93	0.00
88 T	1,4-Dichlorobenzene	1.672	1.691	-1.1	92	0.00
89 T	n-Butylbenzene	3.101	3.328	-7.3	96	0.00
90 T	Hexachloroethane	0.657	0.692	-5.3	95	0.00
91 T	1,2-Dichlorobenzene	1.483	1.504	-1.4	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.101	0.0	90	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.846	-1.0	92	0.00
94 T	Hexachlorobutadiene	0.474	0.480	-1.3	95	0.00
95 T	Naphthalene	1.515	1.507	0.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
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: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.712	1.7	90	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	44.471	11.1	90	0.00
3 P	Chloromethane	50.000	47.245	5.5	98	0.00
4 C	Vinyl Chloride	50.000	44.717	10.6#	88	0.00
5 T	Bromomethane	50.000	40.443	19.1	85	0.00
6 T	Chloroethane	50.000	45.459	9.1	90	0.00
7 T	Trichlorofluoromethane	50.000	44.645	10.7	87	0.00
8 T	Diethyl Ether	50.000	46.996	6.0	92	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.799	2.4	98	0.00
10 T	Methyl Iodide	50.000	52.700	-5.4	95	0.00
11 T	Tert butyl alcohol	250.000	211.961	15.2	83	0.00
12 CM	1,1-Dichloroethene	50.000	47.897	4.2#	95	-0.01
13 T	Acrolein	250.000	86.631	65.3#	35	0.00
14 T	Allyl chloride	50.000	50.437	-0.9	99	0.00
15 T	Acrylonitrile	250.000	246.227	1.5	96	-0.01
16 T	Acetone	250.000	297.244	-18.9	132	0.00
17 T	Carbon Disulfide	50.000	47.148	5.7	93	0.00
18 T	Methyl Acetate	50.000	44.534	10.9	89	0.00
19 T	Methyl tert-butyl Ether	50.000	47.301	5.4	91	-0.01
20 T	Methylene Chloride	50.000	44.396	11.2	101	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.190	3.6	95	-0.01
22 T	Diisopropyl ether	50.000	50.524	-1.0	98	0.00
23 T	Vinyl Acetate	250.000	254.469	-1.8	97	-0.01
24 P	1,1-Dichloroethane	50.000	49.442	1.1	96	0.00
25 T	2-Butanone	250.000	257.909	-3.2	104	0.00
26 T	2,2-Dichloropropane	50.000	51.333	-2.7	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.094	3.8	95	0.00
28 T	Bromochloromethane	50.000	50.456	-0.9	97	0.00
29 T	Tetrahydrofuran	250.000	243.613	2.6	93	0.00
30 C	Chloroform	50.000	48.220	3.6#	95	0.00
31 T	Cyclohexane	50.000	47.890	4.2	98	0.00
32 T	1,1,1-Trichloroethane	50.000	49.231	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.137	5.7	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35 S	Dibromofluoromethane	50.000	49.940	0.1	96	0.00
36 T	1,1-Dichloropropene	50.000	51.139	-2.3	97	0.00
37 T	Ethyl Acetate	50.000	51.513	-3.0	96	-0.01
38 T	Carbon Tetrachloride	50.000	51.067	-2.1	97	0.00
39 T	Methylcyclohexane	50.000	51.165	-2.3	95	0.00
40 TM	Benzene	50.000	51.185	-2.4	95	0.00
41 T	Methacrylonitrile	50.000	47.523	5.0	93	-0.01
42 TM	1,2-Dichloroethane	50.000	49.608	0.8	93	0.00
43 T	Isopropyl Acetate	50.000	49.895	0.2	91	0.00
44 TM	Trichloroethene	50.000	51.008	-2.0	94	0.00
45 C	1,2-Dichloropropane	50.000	51.480	-3.0#	97	0.00
46 T	Dibromomethane	50.000	49.115	1.8	93	0.00
47 T	Bromodichloromethane	50.000	50.614	-1.2	95	0.00
48 T	Methyl methacrylate	50.000	51.089	-2.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 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: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	934.941	6.5	87	0.00
50 S	Toluene-d8	50.000	50.139	-0.3	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.572	-3.4	92	0.00
52 CM	Toluene	50.000	50.552	-1.1#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	51.283	-2.6	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.693	-3.4	96	0.00
55 T	1,1,2-Trichloroethane	50.000	50.503	-1.0	94	0.00
56 T	Ethyl methacrylate	50.000	50.936	-1.9	91	0.00
57 T	1,3-Dichloropropane	50.000	50.446	-0.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	254.251	-1.7	100	0.00
59 T	2-Hexanone	250.000	264.491	-5.8	96	0.00
60 T	Dibromochloromethane	50.000	50.629	-1.3	93	0.00
61 T	1,2-Dibromoethane	50.000	49.744	0.5	92	0.00
62 S	4-Bromofluorobenzene	50.000	50.848	-1.7	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64 T	Tetrachloroethene	50.000	51.140	-2.3	89	0.00
65 PM	Chlorobenzene	50.000	50.815	-1.6	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.822	-1.6	93	0.00
67 C	Ethyl Benzene	50.000	51.930	-3.9#	94	0.00
68 T	m/p-Xylenes	100.000	103.817	-3.8	94	0.00
69 T	o-Xylene	50.000	50.821	-1.6	93	0.00
70 T	Styrene	50.000	51.416	-2.8	92	0.00
71 P	Bromoform	50.000	49.704	0.6	92	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73 T	Isopropylbenzene	50.000	52.248	-4.5	94	0.00
74 T	N-ethyl acetate	50.000	52.406	-4.8	89	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.088	-2.2	99	0.00
76 T	1,2,3-Trichloropropane	50.000	46.207	7.6	85	0.00
77 T	Bromobenzene	50.000	50.787	-1.6	92	0.00
78 T	n-propylbenzene	50.000	53.318	-6.6	96	0.00
79 T	2-Chlorotoluene	50.000	52.230	-4.5	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.322	-4.6	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.760	-7.5	101	0.00
82 T	4-Chlorotoluene	50.000	51.285	-2.6	93	0.00
83 T	tert-Butylbenzene	50.000	53.349	-6.7	95	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.256	-4.5	93	0.00
85 T	sec-Butylbenzene	50.000	52.876	-5.8	94	0.00
86 T	p-Isopropyltoluene	50.000	53.394	-6.8	95	0.00
87 T	1,3-Dichlorobenzene	50.000	51.349	-2.7	93	0.00
88 T	1,4-Dichlorobenzene	50.000	50.557	-1.1	92	0.00
89 T	n-Butylbenzene	50.000	53.663	-7.3	96	0.00
90 T	Hexachloroethane	50.000	52.738	-5.5	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.695	-1.4	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.877	0.2	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.510	-1.0	92	0.00
94 T	Hexachlorobutadiene	50.000	50.704	-1.4	95	0.00
95 T	Naphthalene	50.000	49.739	0.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
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: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.170	1.7	90	0.00

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



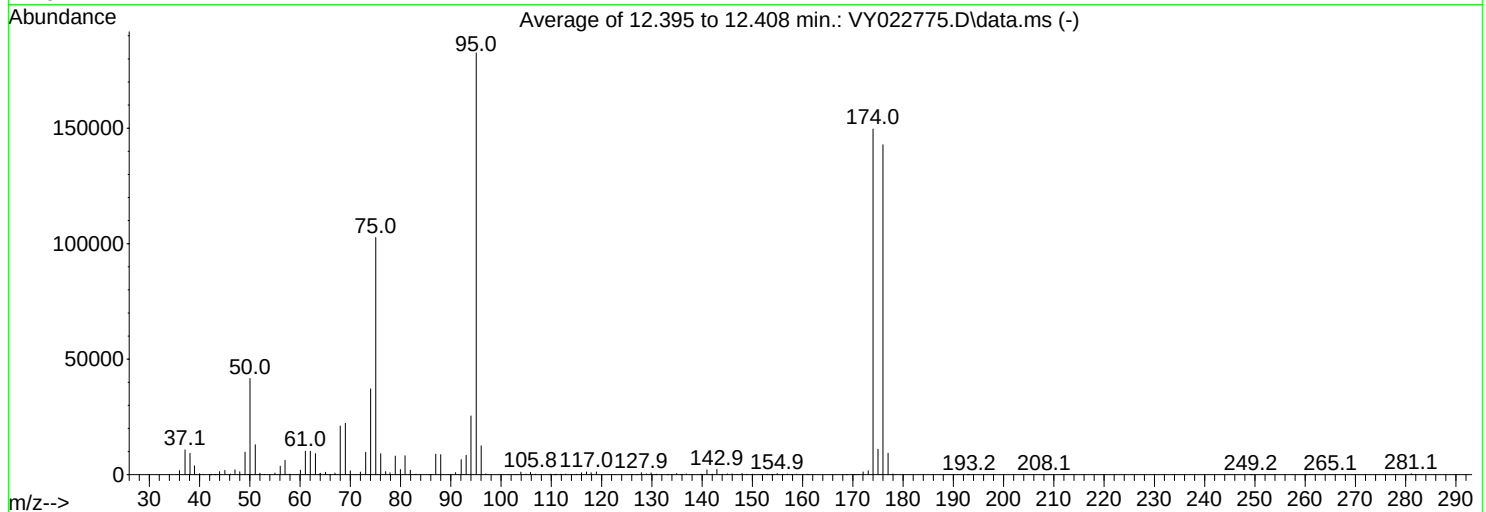
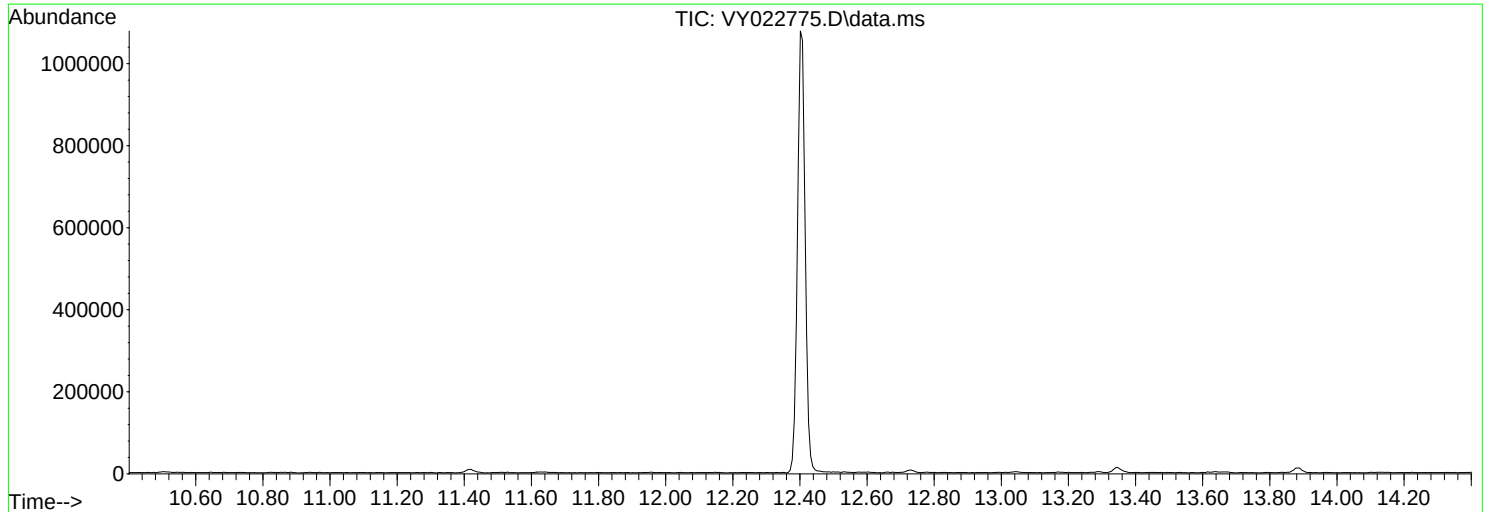
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022775.D
Acq On : 23 Jun 2025 10:17
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\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

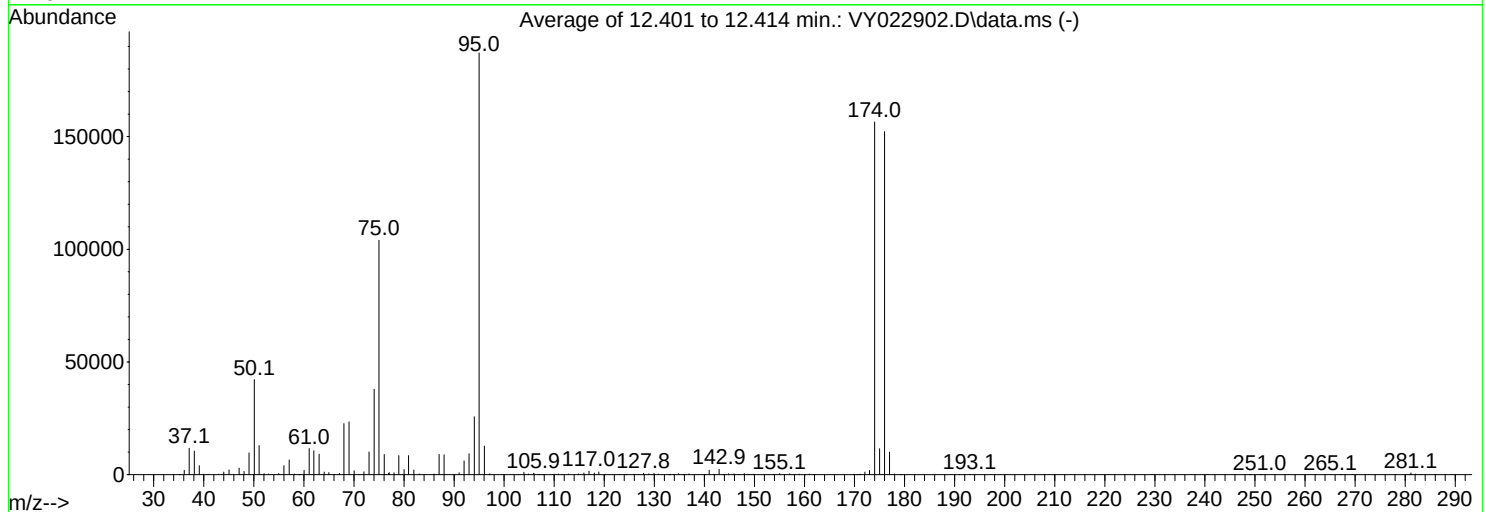
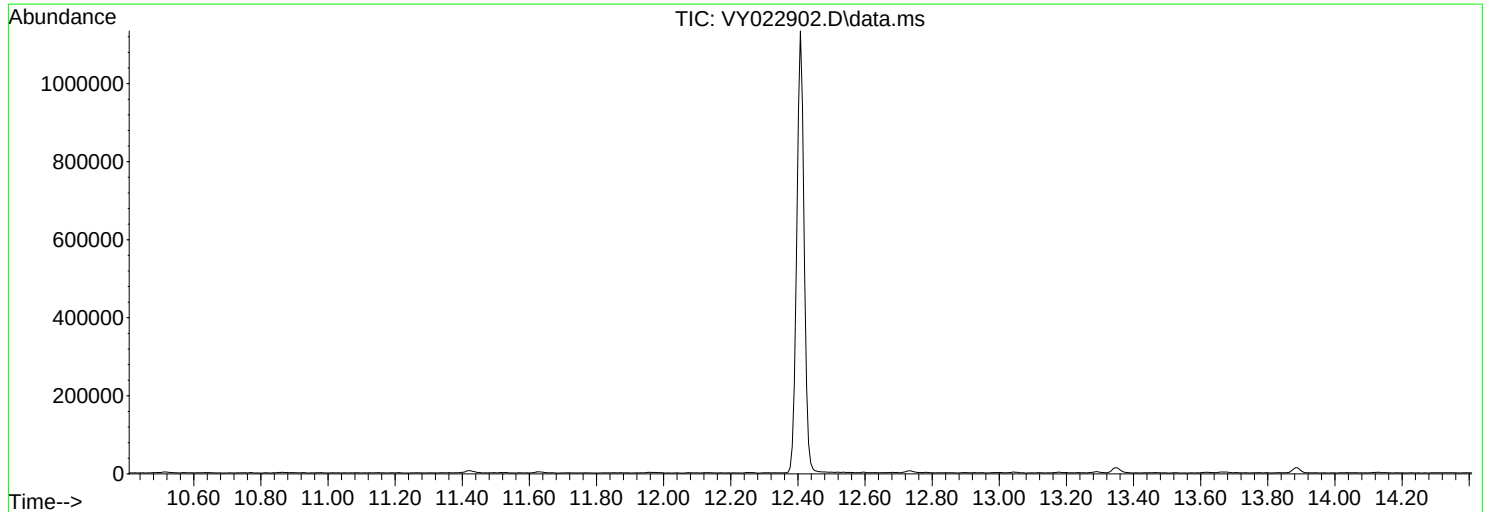
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	22.8	41667	PASS
75	95	30	60	56.2	102659	PASS
95	95	100	100	100.0	182635	PASS
96	95	5	9	6.8	12459	PASS
173	174	0.00	2	1.1	1700	PASS
174	95	50	100	81.9	149608	PASS
175	174	5	9	7.4	11034	PASS
176	174	95	101	95.5	142859	PASS
177	176	5	9	6.5	9270	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022902.D
Acq On : 02 Jul 2025 08:51
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\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1742

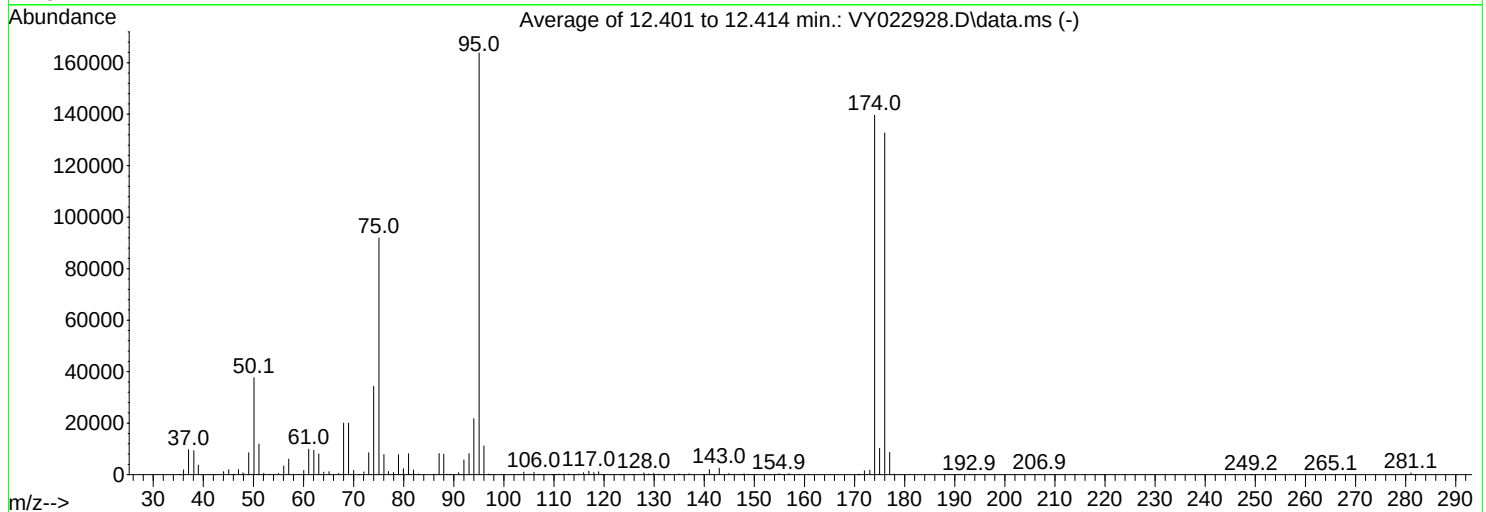
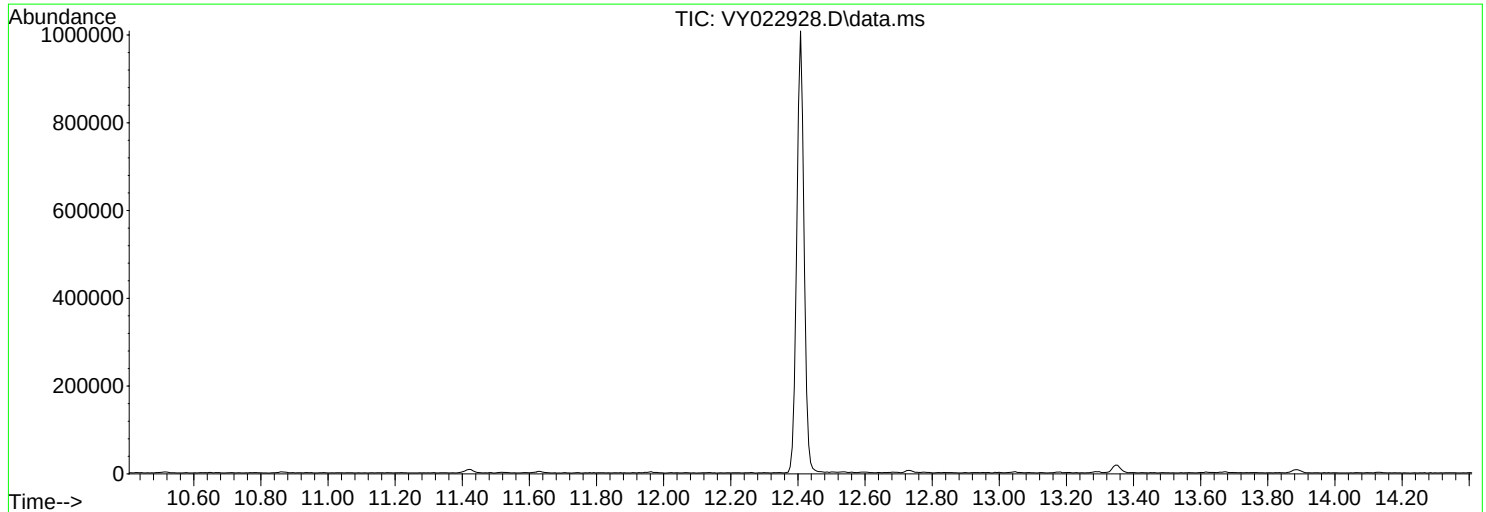
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	22.5	42181	PASS
75	95	30	60	55.6	103995	PASS
95	95	100	100	100.0	187179	PASS
96	95	5	9	6.8	12720	PASS
173	174	0.00	2	1.2	1816	PASS
174	95	50	100	83.6	156480	PASS
175	174	5	9	7.3	11484	PASS
176	174	95	101	97.3	152213	PASS
177	176	5	9	6.6	10021	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022928.D
Acq On : 03 Jul 2025 08:03
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\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

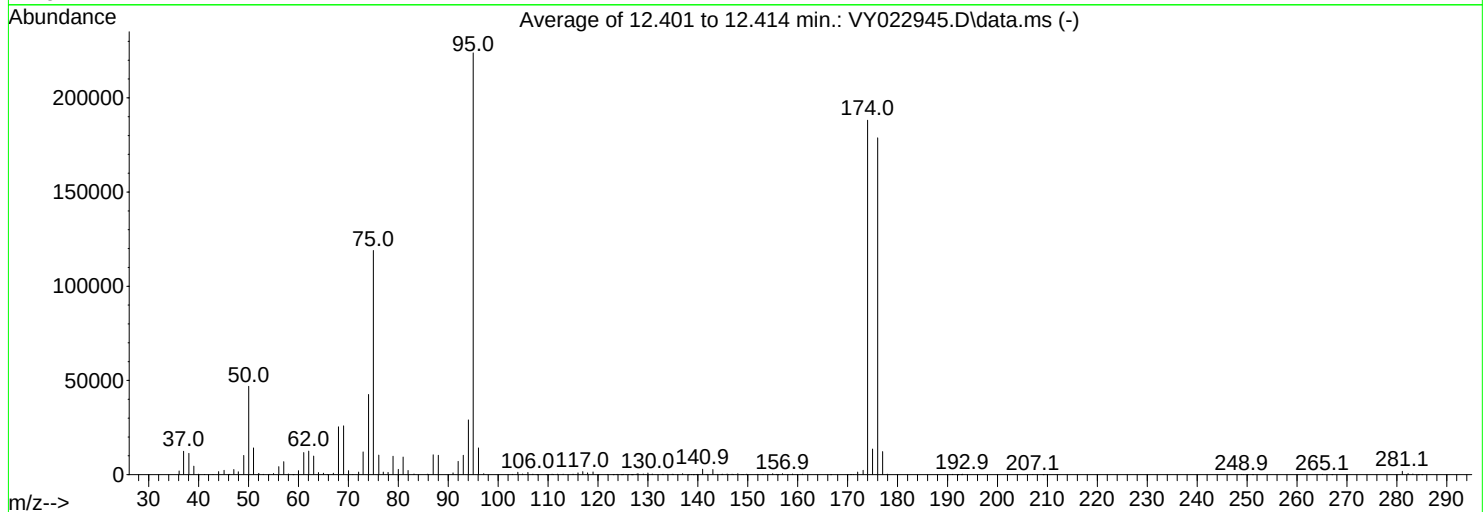
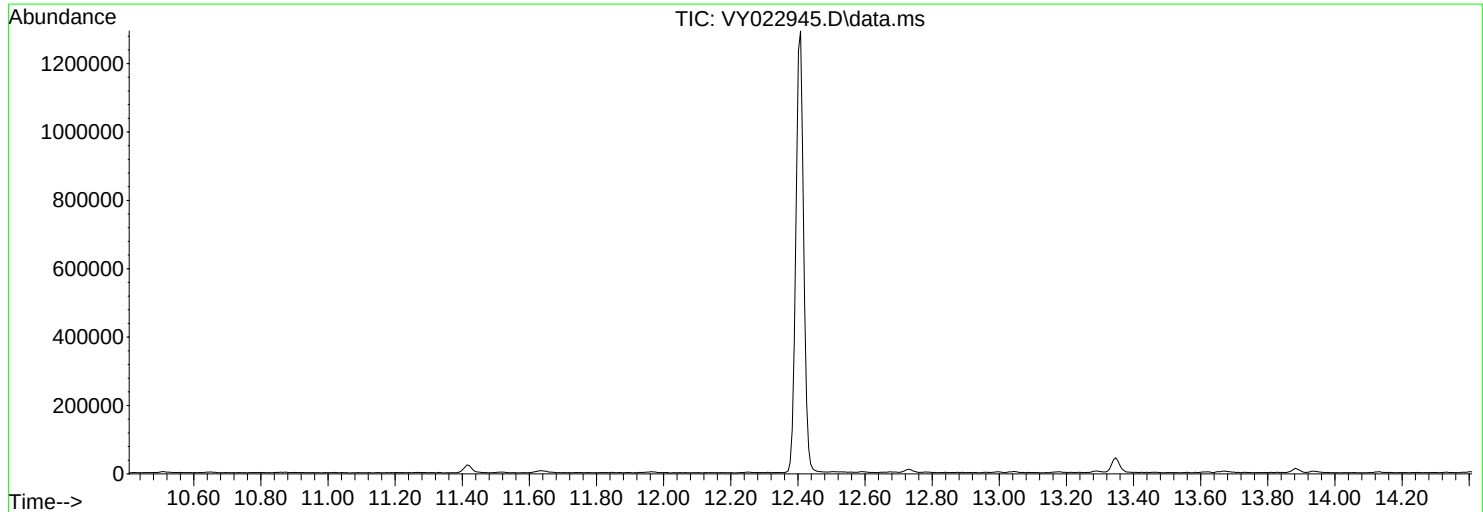
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	37680	PASS
75	95	30	60	56.1	91939	PASS
95	95	100	100	100.0	163840	PASS
96	95	5	9	6.8	11141	PASS
173	174	0.00	2	1.3	1759	PASS
174	95	50	100	85.2	139597	PASS
175	174	5	9	7.3	10242	PASS
176	174	95	101	95.1	132707	PASS
177	176	5	9	6.5	8654	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022945.D
Acq On : 07 Jul 2025 08:36
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\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	46883	PASS
75	95	30	60	53.2	119008	PASS
95	95	100	100	100.0	223893	PASS
96	95	5	9	6.3	14154	PASS
173	174	0.00	2	1.2	2332	PASS
174	95	50	100	84.0	188096	PASS
175	174	5	9	7.2	13635	PASS
176	174	95	101	95.0	178773	PASS
177	176	5	9	6.8	12198	PASS

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2487
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0702SBL01		SDG No.:	Q2487
Lab Sample ID:	VY0702SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.713			
540-36-3	1,4-Difluorobenzene	608000	8.616			
3114-55-4	Chlorobenzene-d5	600000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0702SBL01		SDG No.:	Q2487
Lab Sample ID:	VY0702SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070225\
 Data File : VY022904.D
 Acq On : 02 Jul 2025 11:42
 Operator : SY/MD
 Sample : VY0702SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	327303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	599654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251367	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	179996	49.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.640	113	188102	50.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.109	98	752943	51.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.408	95	260821	55.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.560%

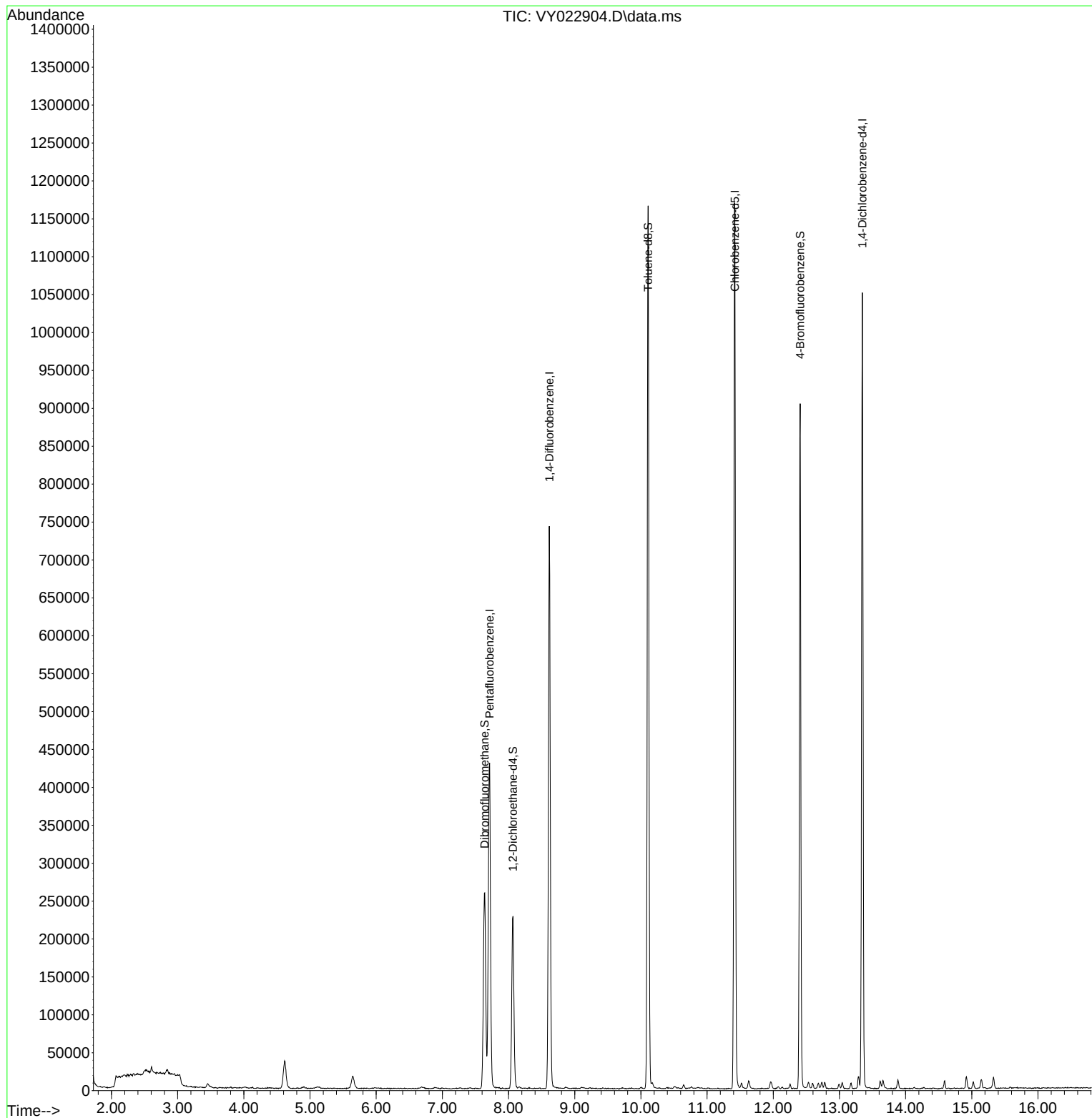
Target Compounds	Qvalue

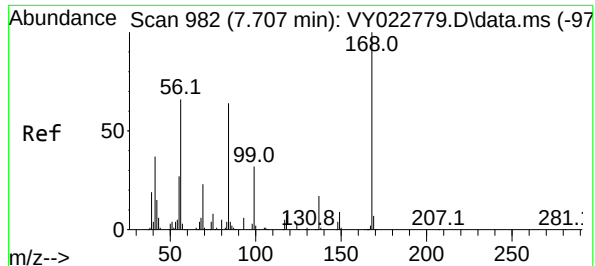
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Time: Jul 03 02:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

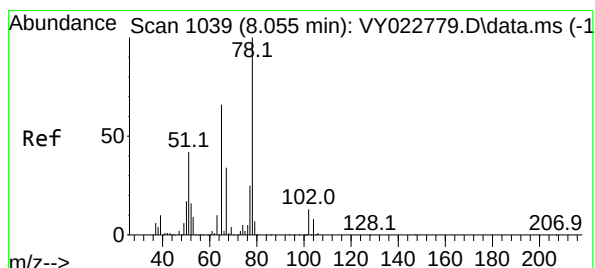
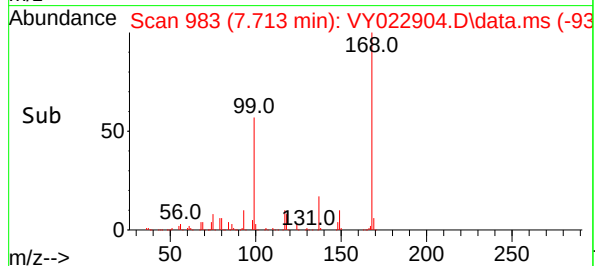
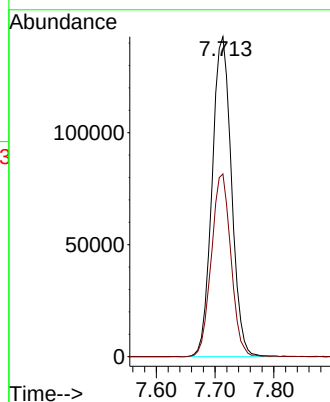
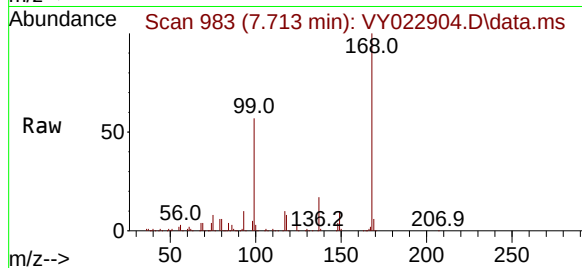




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

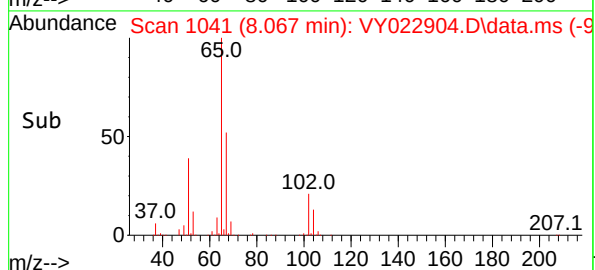
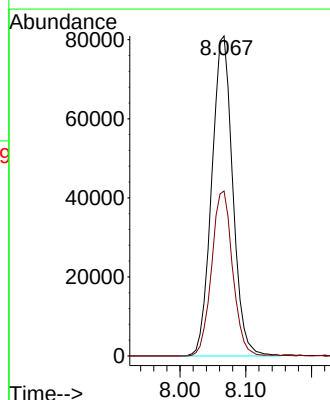
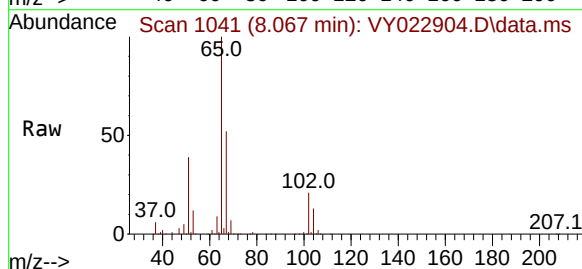
Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

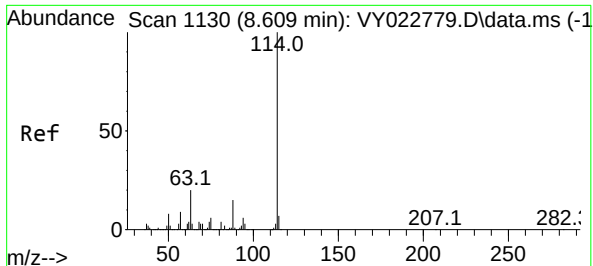
Tgt Ion:168 Resp: 327303
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.273 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022904.D
Acq: 02 Jul 2025 11:42

Tgt Ion: 65 Resp: 179996
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

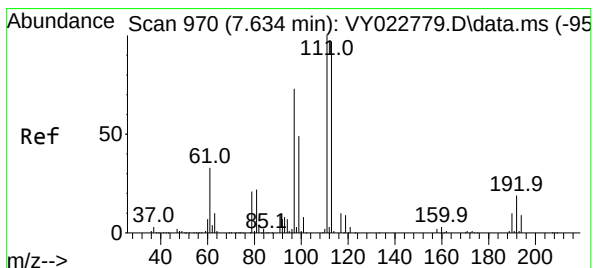
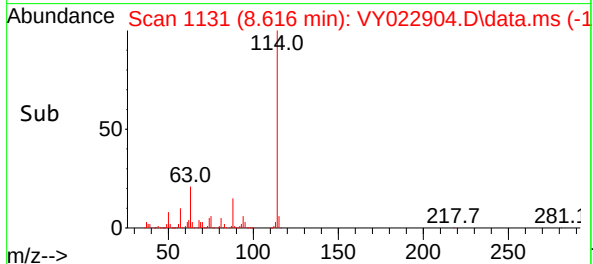
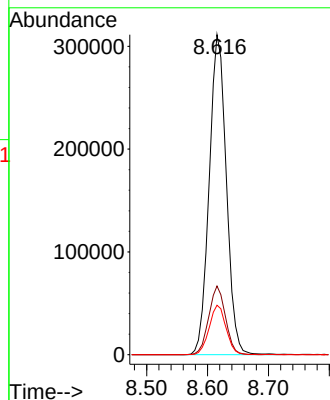
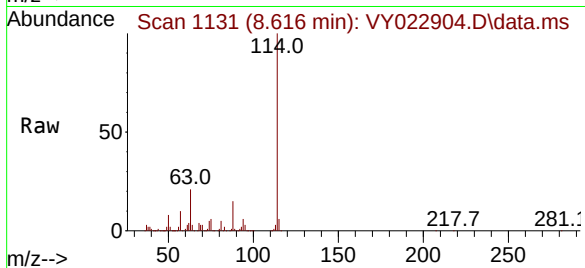
Tgt Ion:114 Resp: 608180

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.857 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

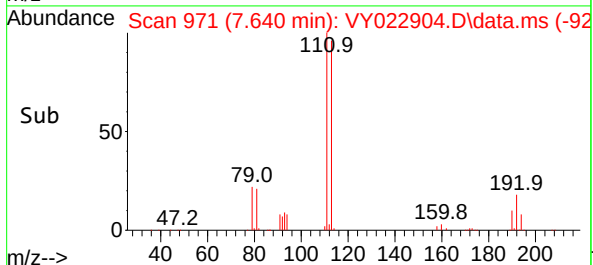
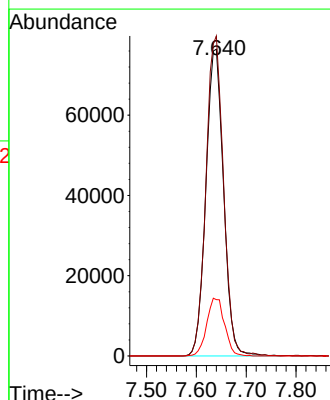
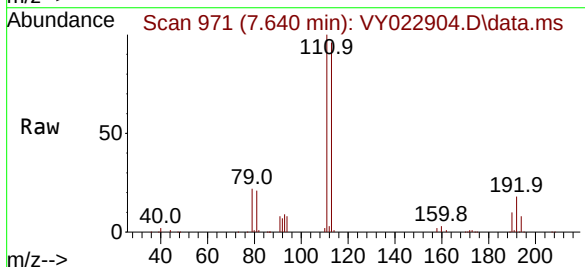
Tgt Ion:113 Resp: 188102

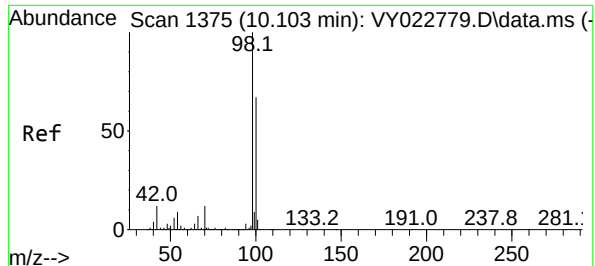
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 19.0 14.2 21.2





#50

Toluene-d8

Concen: 51.302 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

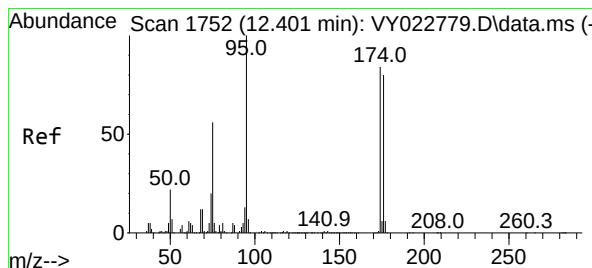
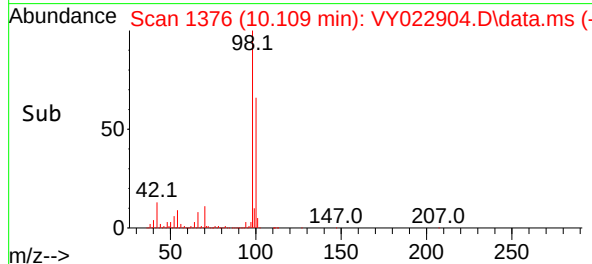
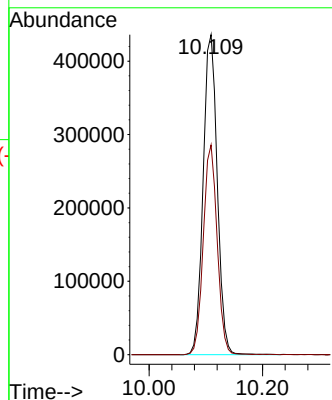
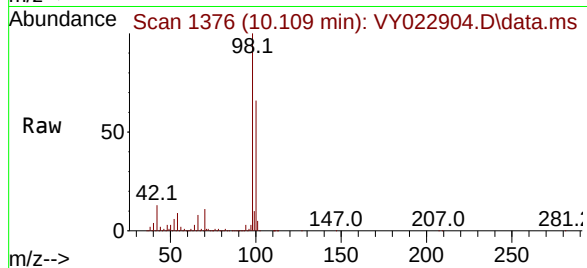
VY0702SBL01

Tgt Ion: 98 Resp: 752943

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 55.281 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

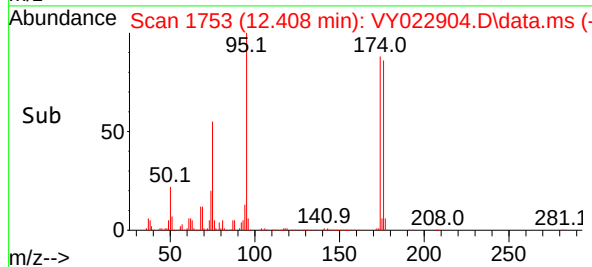
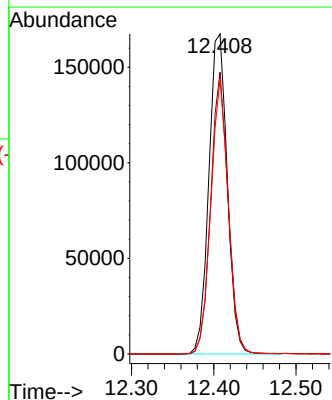
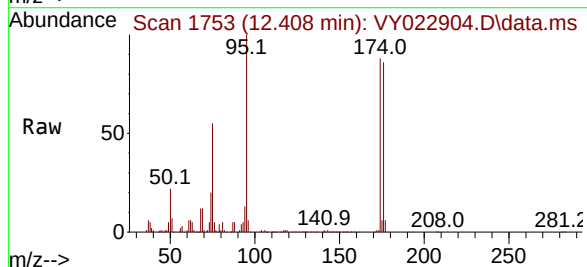
Tgt Ion: 95 Resp: 260821

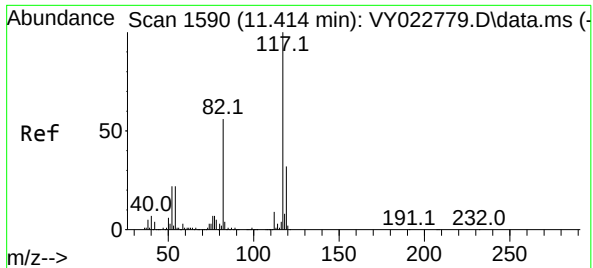
Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.0

176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBL01

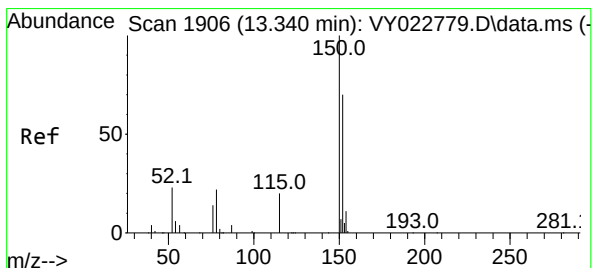
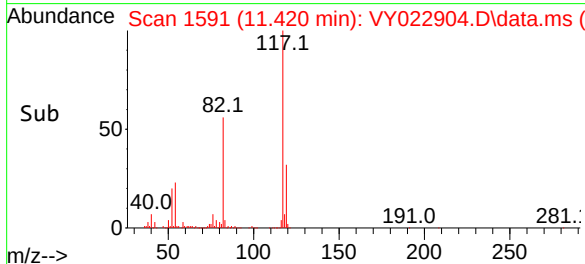
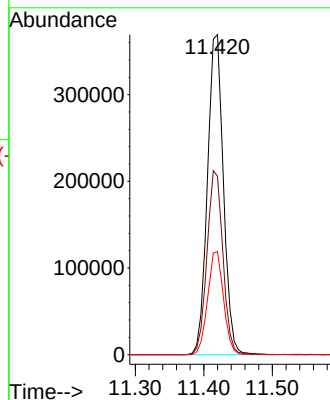
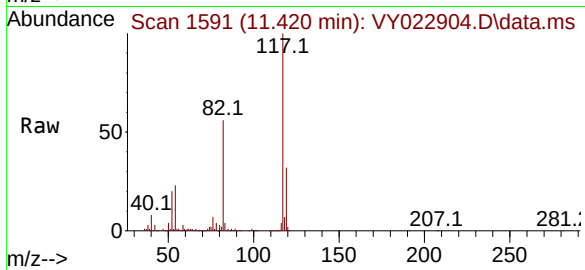
Tgt Ion:117 Resp: 599654

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022904.D

Acq: 02 Jul 2025 11:42

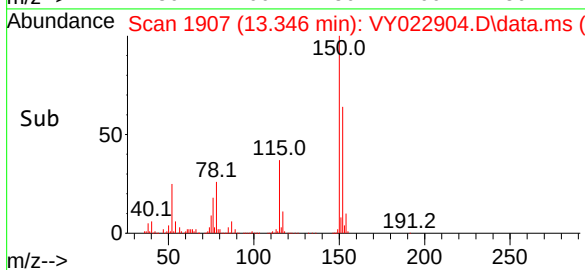
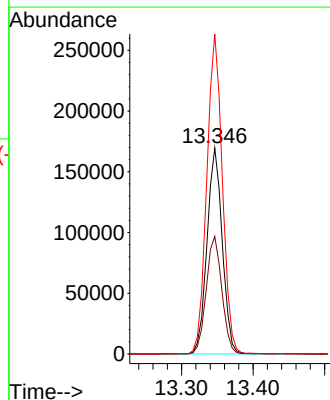
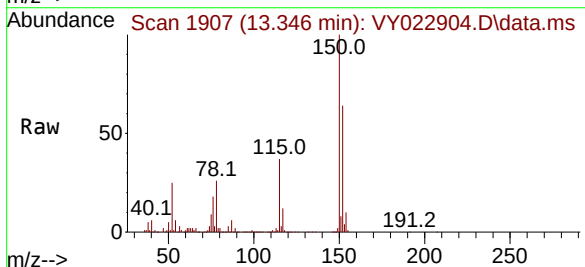
Tgt Ion:152 Resp: 251367

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 157.7 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022904.D
 Acq On : 02 Jul 2025 11:42
 Operator : SY/MD
 Sample : VY0702SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBL01

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022904.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	51	57	60	rBV2	14564	30673	1.52%	0.282%
2	4.616	465	475	492	rVB2	36594	111940	5.56%	1.031%
3	5.647	636	644	654	rVB3	15922	46650	2.32%	0.430%
4	7.640	960	971	976	rBV	258351	631532	31.36%	5.815%
5	7.713	976	983	996	rVB	428249	1000499	49.68%	9.212%
6	8.067	1031	1041	1052	rBV	227293	509454	25.30%	4.691%
7	8.616	1121	1131	1145	rBV	742030	1450953	72.05%	13.360%
8	10.109	1367	1376	1384	rBV	1164555	2013910	100.00%	18.544%
9	11.414	1581	1590	1602	rBV	1168950	1926634	95.67%	17.740%
10	12.408	1745	1753	1765	rBV	903652	1403272	69.68%	12.921%
11	13.285	1892	1897	1901	rBV2	15365	25847	1.28%	0.238%
12	13.346	1901	1907	1920	rVB	1049196	1614410	80.16%	14.865%
13	13.657	1955	1958	1969	rVB5	11156	21359	1.06%	0.197%
14	13.883	1989	1995	2001	rBV4	11811	20309	1.01%	0.187%
15	14.919	2158	2165	2171	rBV3	15676	25813	1.28%	0.238%
16	15.328	2224	2232	2240	rVB3	14493	27021	1.34%	0.249%

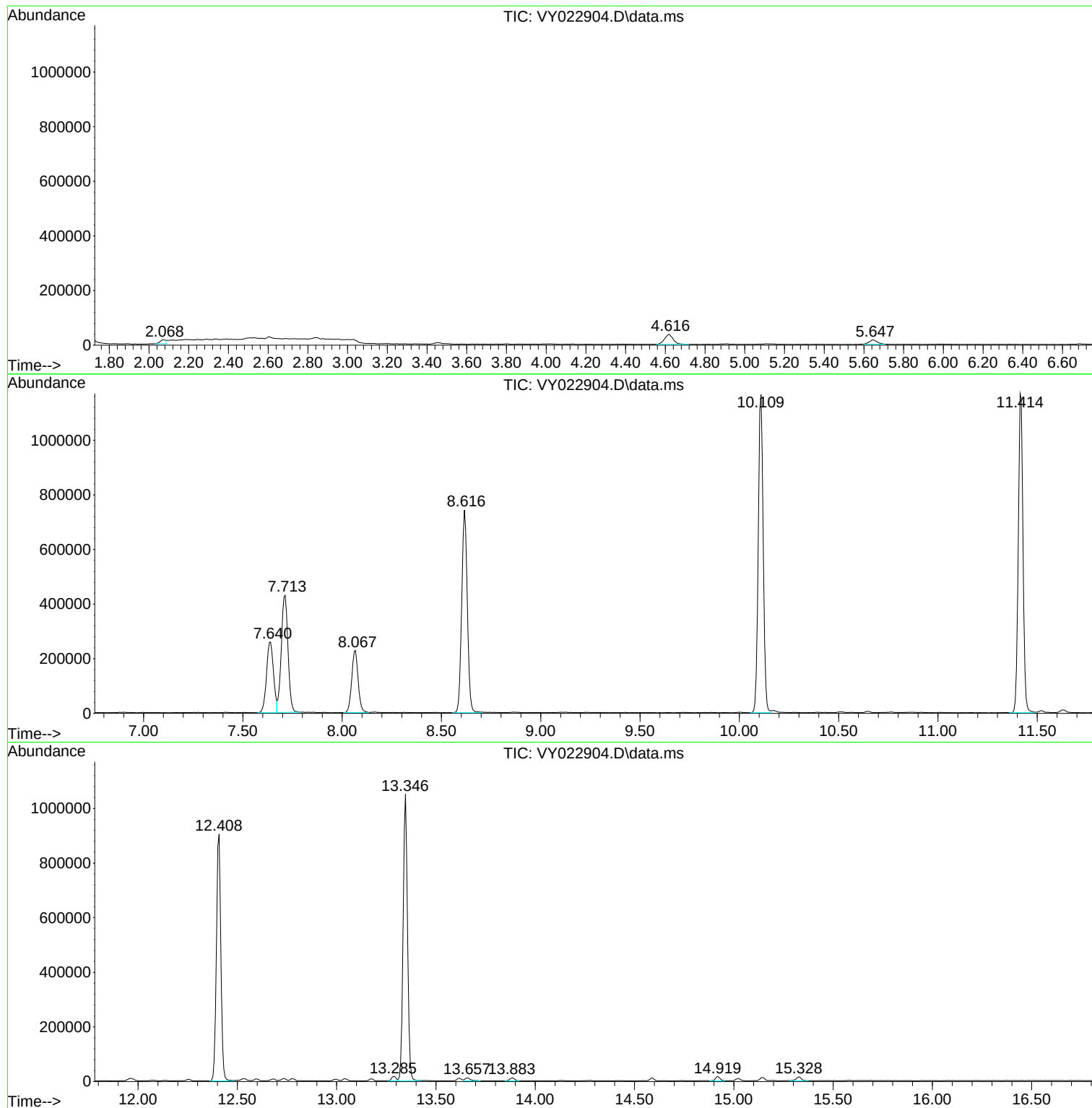
Sum of corrected areas: 10860276

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070225\
Data File : VY022904.D
Acq On : 02 Jul 2025 11:42
Operator : SY/MD
Sample : VY0702SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0703SBL01		SDG No.:	Q2487
Lab Sample ID:	VY0703SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0703SBL01		SDG No.:	Q2487
Lab Sample ID:	VY0703SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	7.707			
540-36-3	1,4-Difluorobenzene	558000	8.615			
3114-55-4	Chlorobenzene-d5	554000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.346			



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2487
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070325\
 Data File : VY022930.D
 Acq On : 03 Jul 2025 09:57
 Operator : SY/MD
 Sample : VY0703SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBL01

Quant Time: Jul 04 03:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	297416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	558302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230762	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174829	52.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.340%
35) Dibromofluoromethane	7.634	113	179026	52.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.109	98	701592	52.073	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.140%
62) 4-Bromofluorobenzene	12.401	95	239365	55.266	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.540%

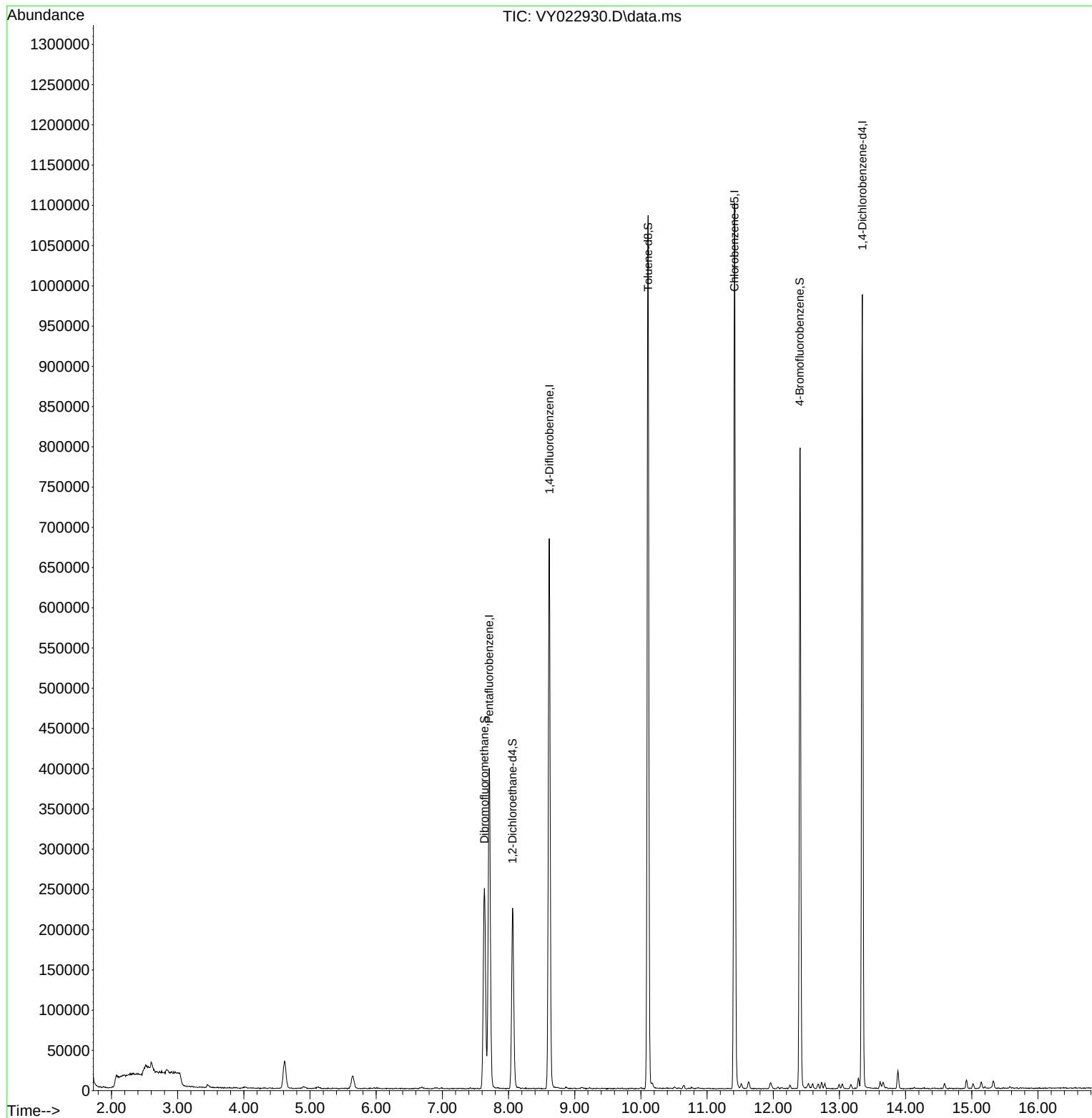
Target Compounds	Qvalue

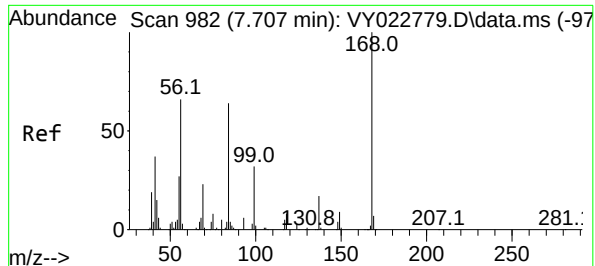
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Time: Jul 04 03:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

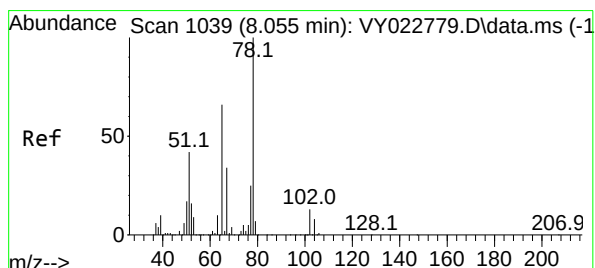
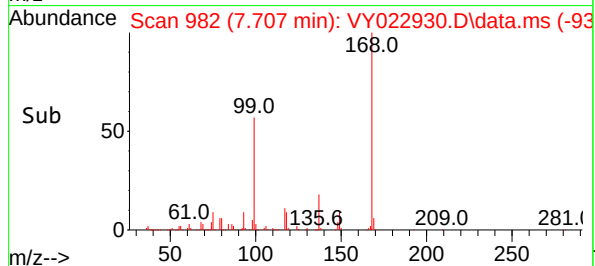
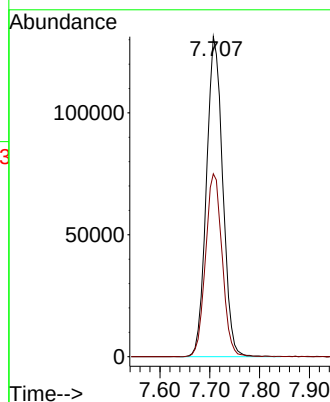
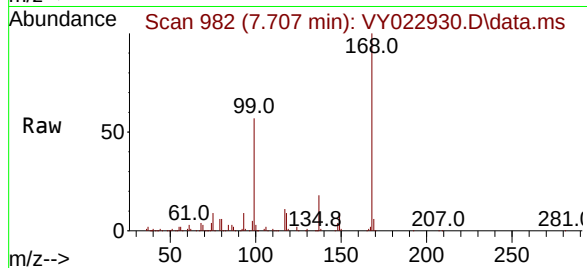




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

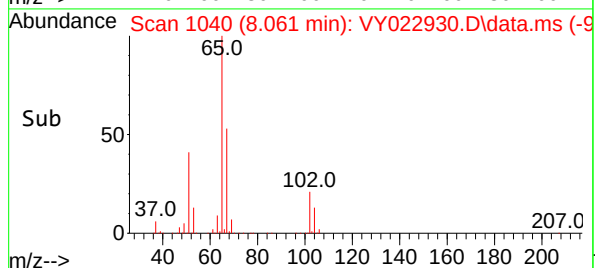
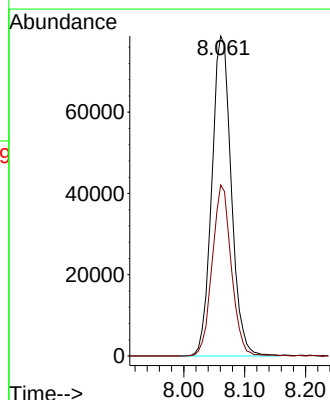
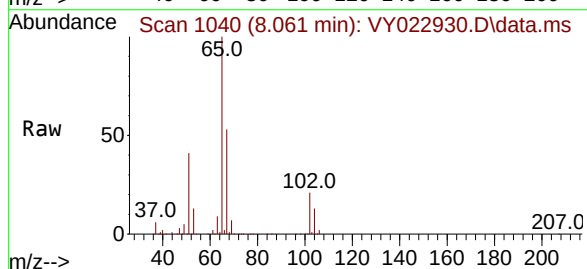
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

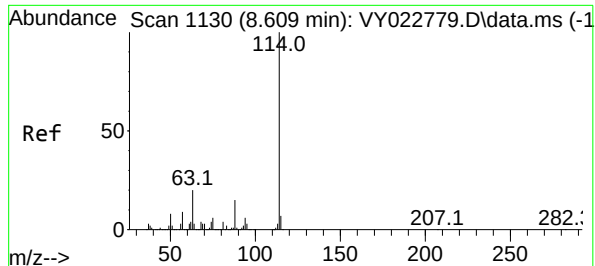
Tgt Ion:168 Resp: 297416
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.668 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 65 Resp: 174829
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0703SBL01

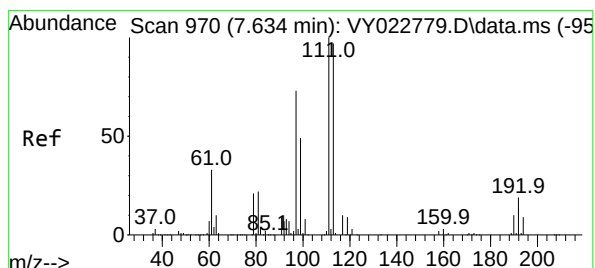
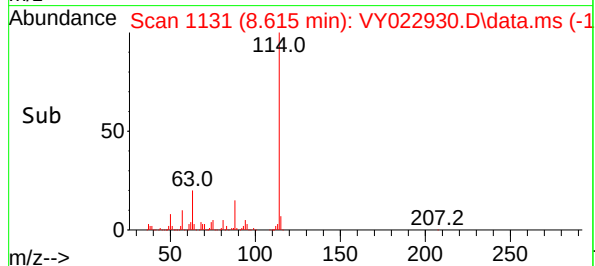
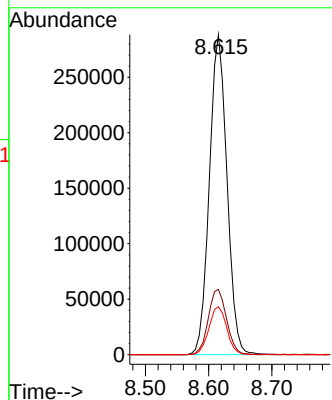
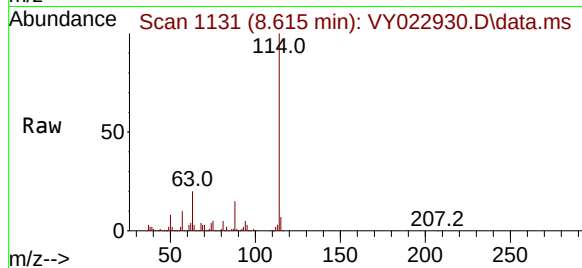
Tgt Ion:114 Resp: 558302

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.727 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

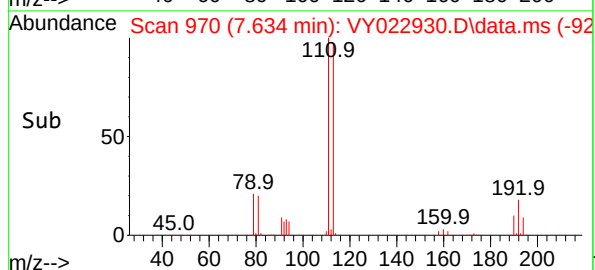
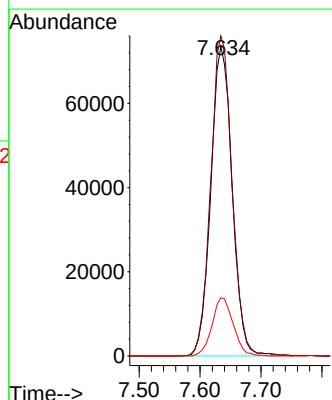
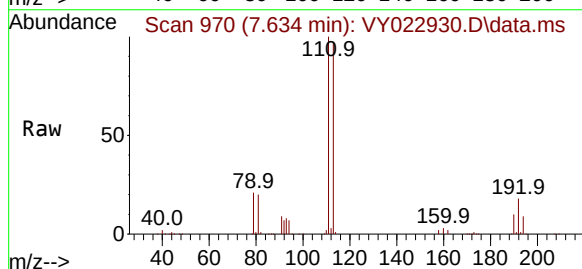
Tgt Ion:113 Resp: 179026

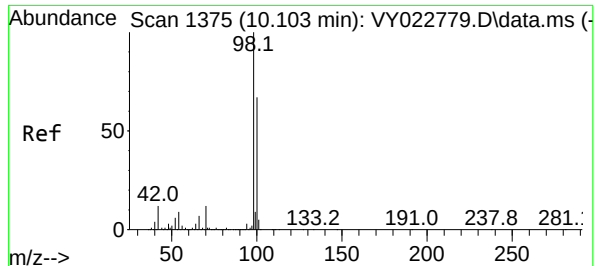
Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 18.7 14.2 21.2





#50

Toluene-d8

Concen: 52.073 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

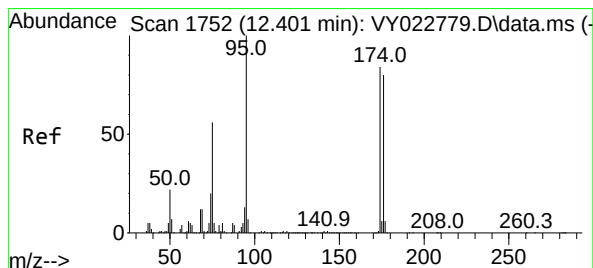
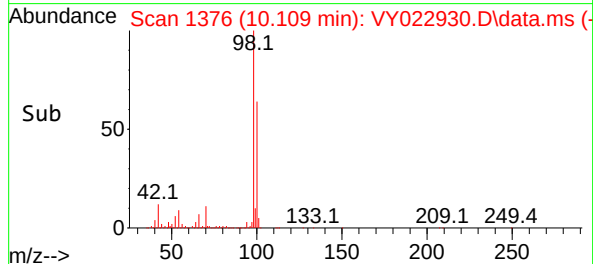
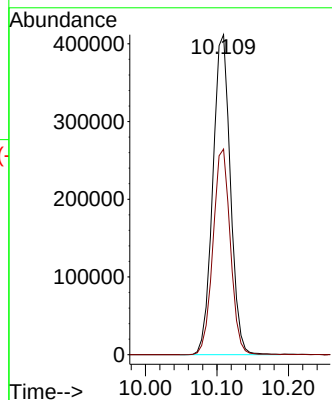
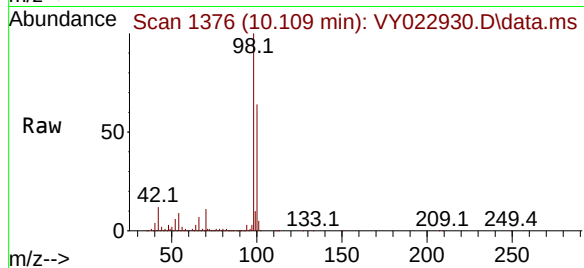
VY0703SBL01

Tgt Ion: 98 Resp: 701592

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 55.266 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

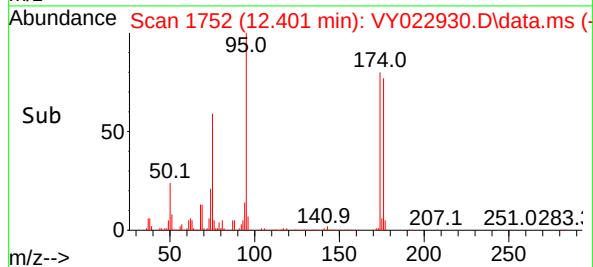
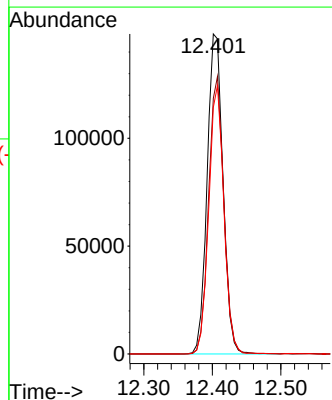
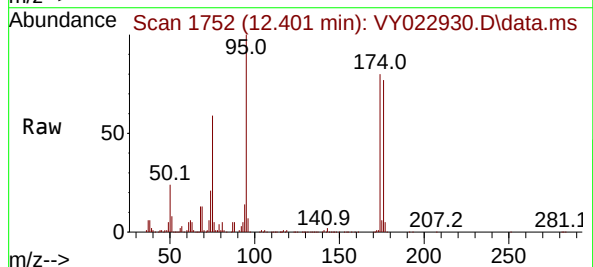
Tgt Ion: 95 Resp: 239365

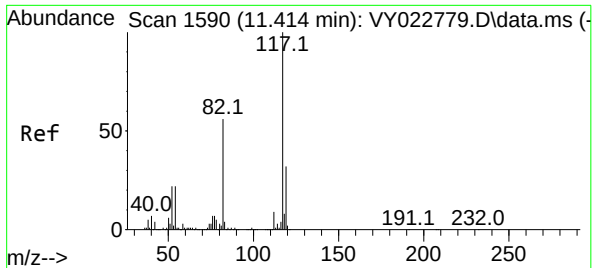
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.0

176 80.1 0.0 166.2

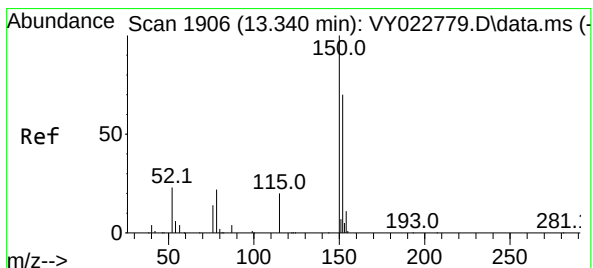
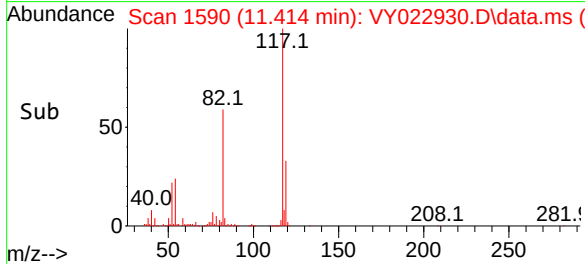
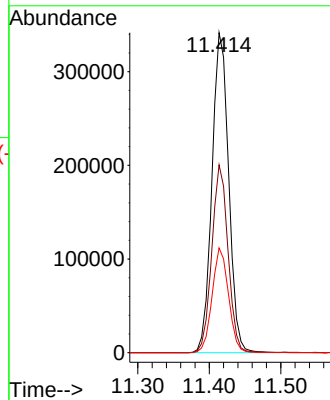
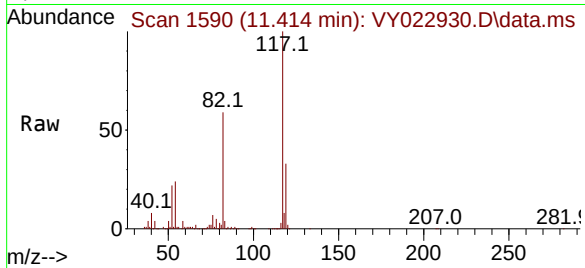




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

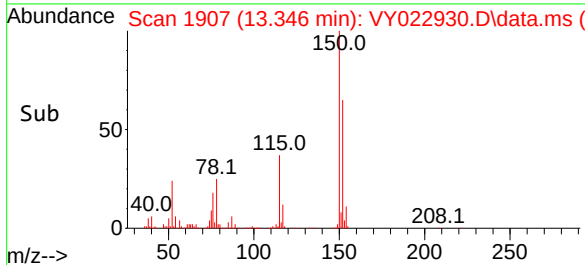
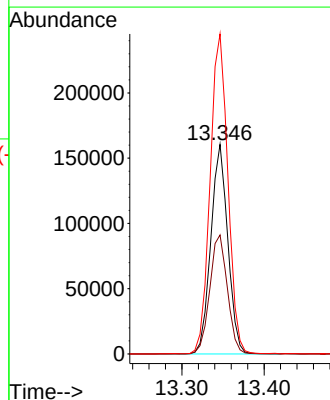
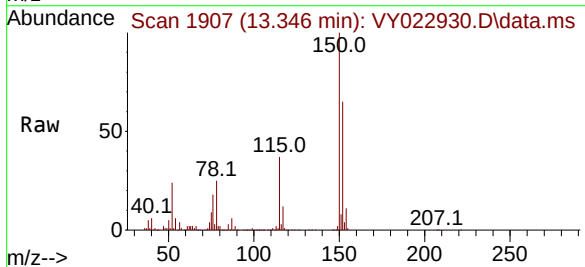
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.6	66.8
119	32.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	158.8	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022930.D
 Acq On : 03 Jul 2025 09:57
 Operator : SY/MD
 Sample : VY0703SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBL01

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022930.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	49	58	61	rBV5	14926	36646	1.95%	0.363%
2	2.519	121	131	132	rBV8	13011	32846	1.75%	0.325%
3	4.616	465	475	488	rVB2	33480	102902	5.48%	1.018%
4	5.646	635	644	656	rVB4	15732	49187	2.62%	0.487%
5	7.634	956	970	976	rBV	249281	607900	32.36%	6.014%
6	7.707	976	982	993	rVB	396423	905940	48.22%	8.963%
7	8.061	1031	1040	1051	rBV	224571	498303	26.52%	4.930%
8	8.615	1122	1131	1142	rBV	683546	1344450	71.56%	13.302%
9	10.109	1367	1376	1385	rBV	1085611	1878829	100.00%	18.589%
10	11.414	1582	1590	1602	rBV	1101042	1779952	94.74%	17.610%
11	12.407	1744	1753	1765	rBV	796203	1293354	68.84%	12.796%
12	13.285	1890	1897	1900	rBV4	12918	19699	1.05%	0.195%
13	13.346	1900	1907	1921	rVB	986176	1501071	79.89%	14.851%
14	13.883	1989	1995	2002	rBV	22106	36676	1.95%	0.363%
15	15.322	2223	2231	2239	rVB5	9283	19667	1.05%	0.195%

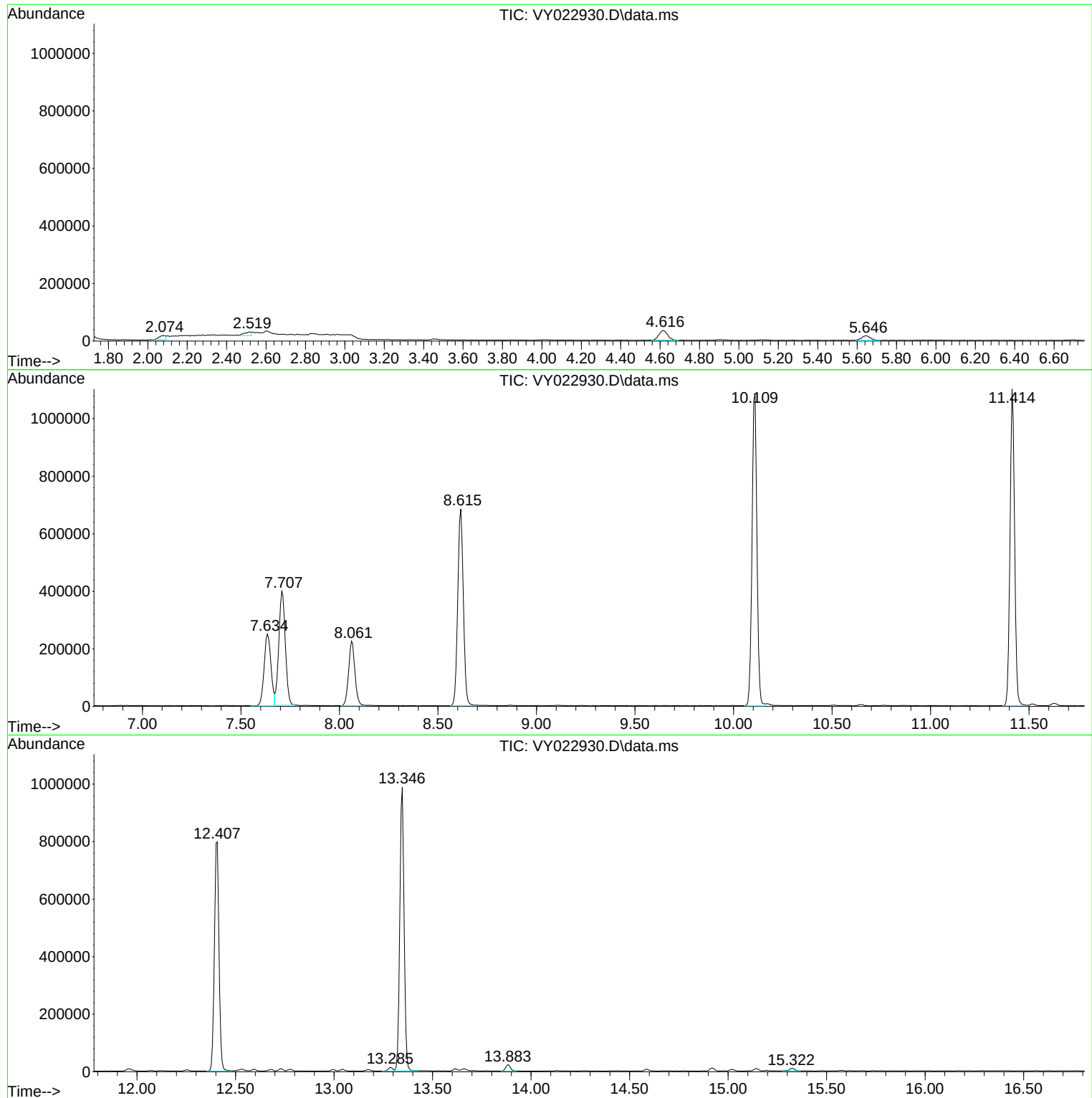
Sum of corrected areas: 10107422

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070325\
Data File : VY022930.D
Acq On : 03 Jul 2025 09:57
Operator : SY/MD
Sample : VY0703SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2487
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084			Date Received:	
Client Sample ID:	VY0707SBL01			SDG No.:	Q2487
Lab Sample ID:	VY0707SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	360000	7.707			
540-36-3	1,4-Difluorobenzene	660000	8.616			
3114-55-4	Chlorobenzene-d5	633000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	266000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0707SBL01		SDG No.:	Q2487
Lab Sample ID:	VY0707SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070725\
 Data File : VY022947.D
 Acq On : 07 Jul 2025 09:44
 Operator : SY/MD
 Sample : VY0707SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

Quant Time: Jul 08 01:42:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	359794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	659995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	632698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	266428	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183707	45.748	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.500%
35) Dibromofluoromethane	7.634	113	202436	50.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.880%
50) Toluene-d8	10.109	98	810431	50.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.408	95	272718	53.264	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.520%

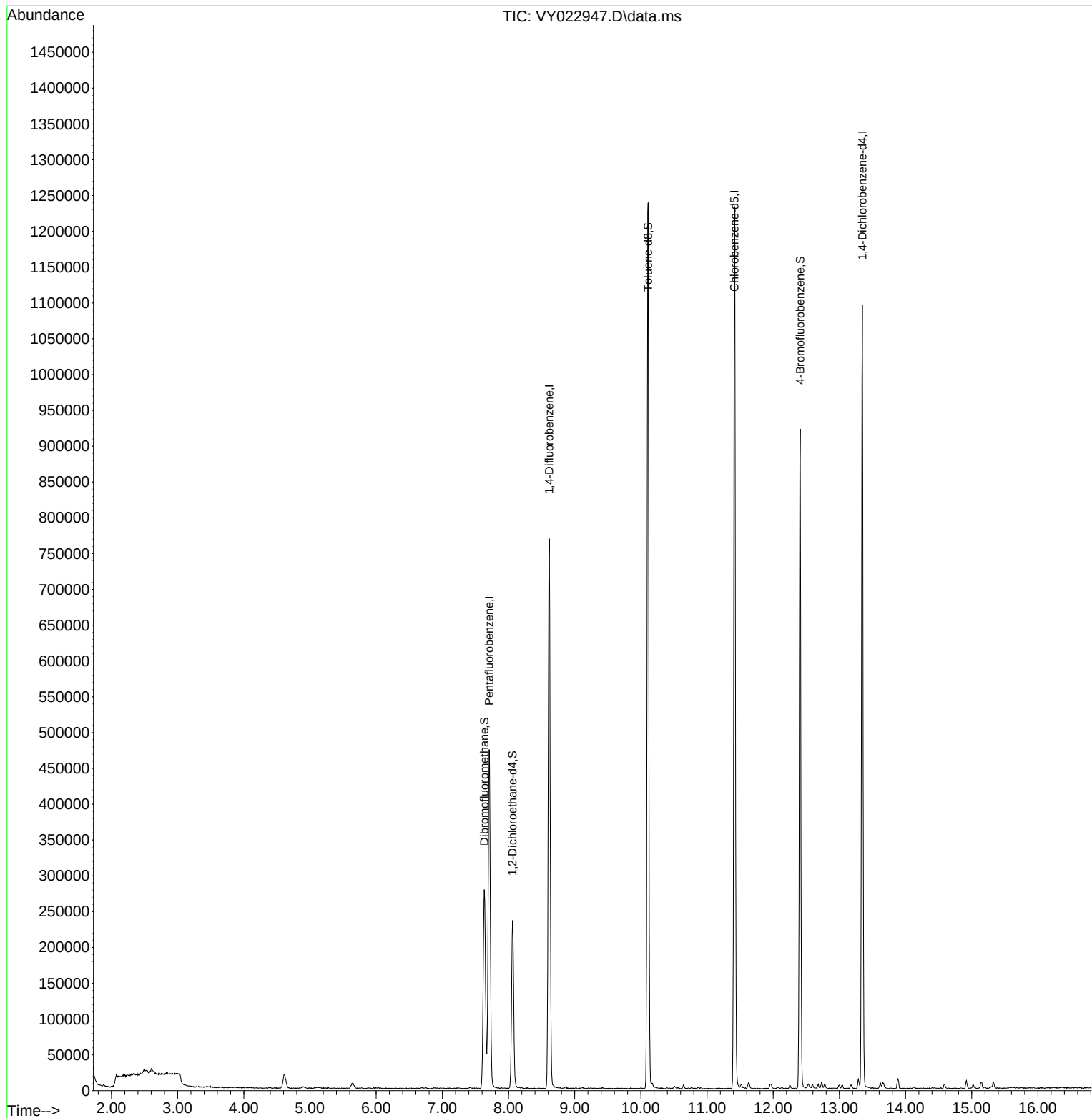
Target Compounds	Qvalue

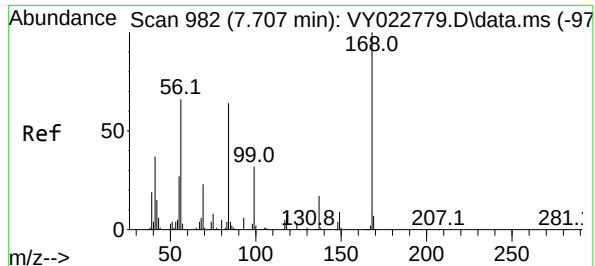
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Time: Jul 08 01:42:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

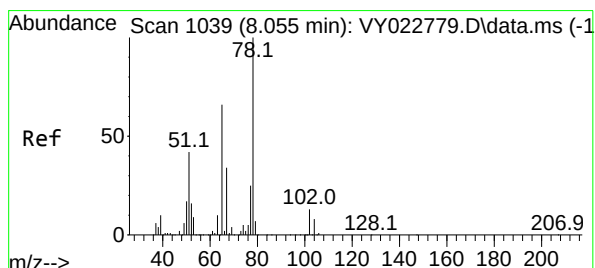
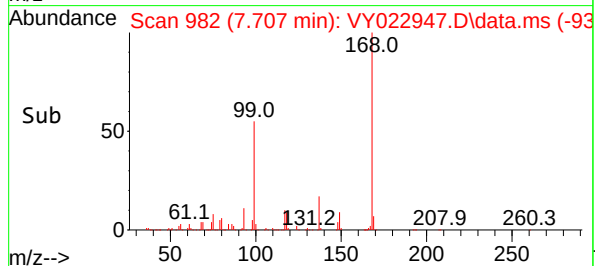
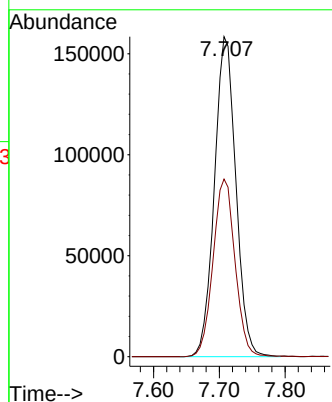
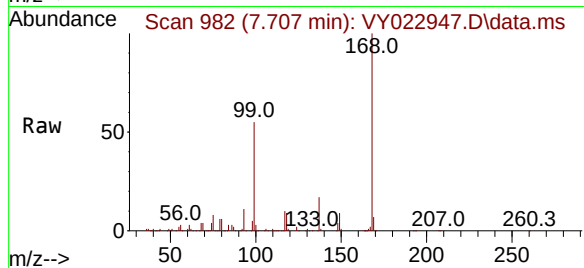




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

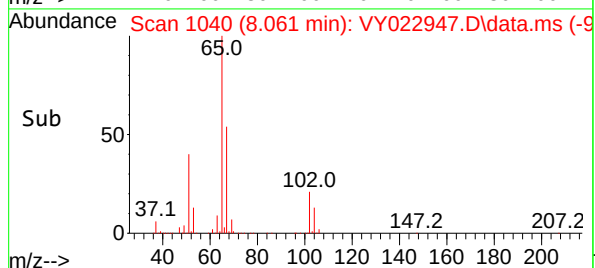
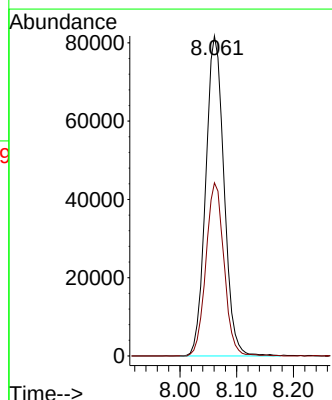
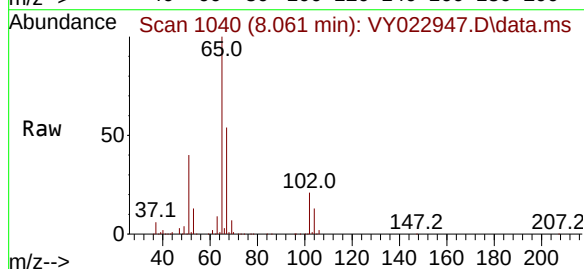
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

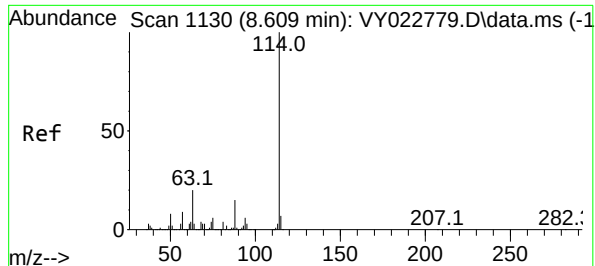
Tgt Ion:168 Resp: 359794
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.748 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

Tgt Ion: 65 Resp: 183707
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

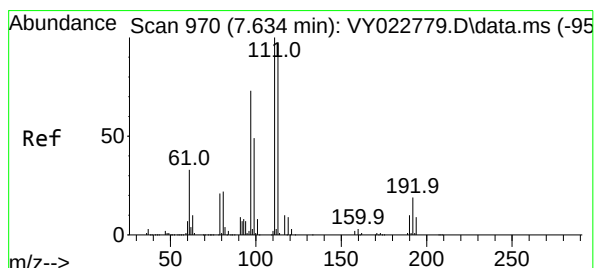
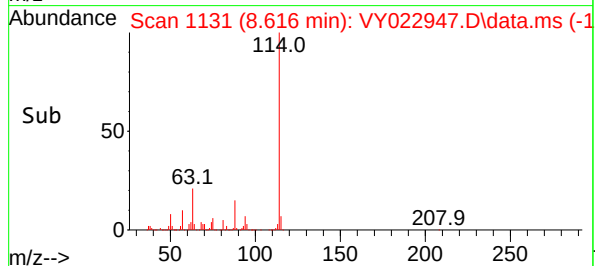
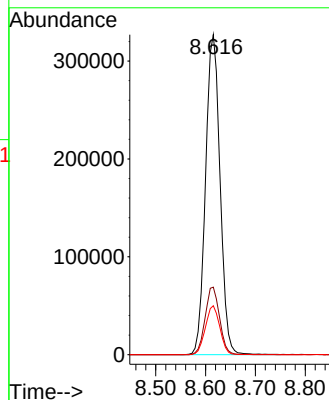
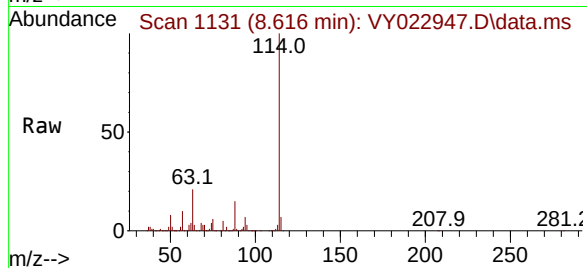
Tgt Ion:114 Resp: 659995

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.435 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

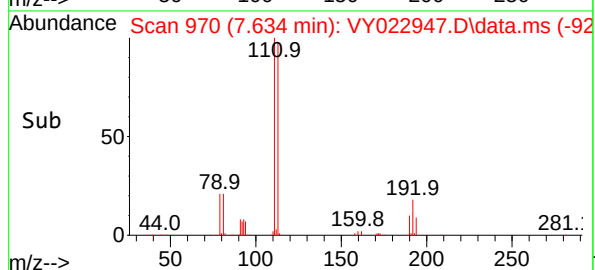
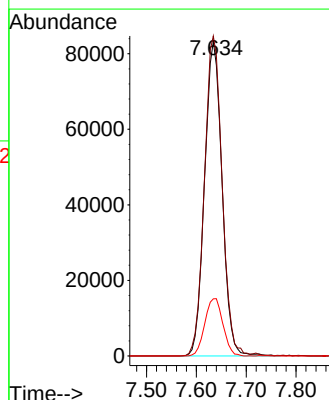
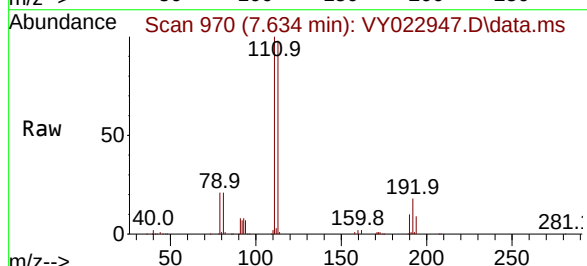
Tgt Ion:113 Resp: 202436

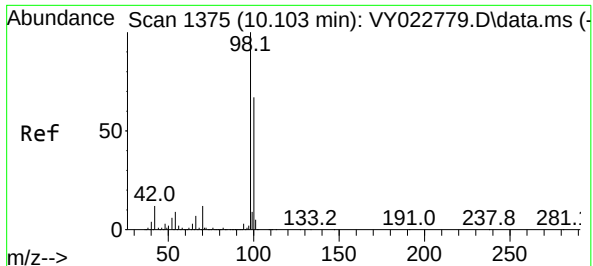
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.9 14.2 21.2

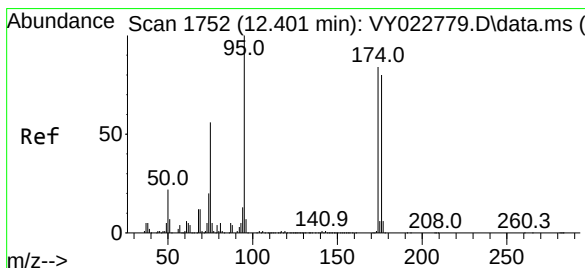
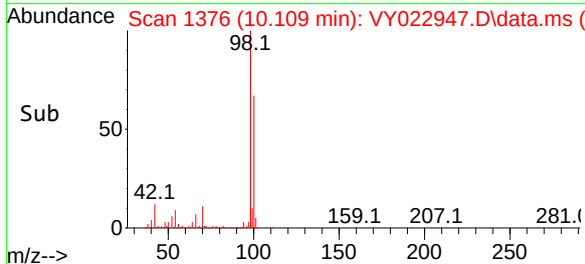
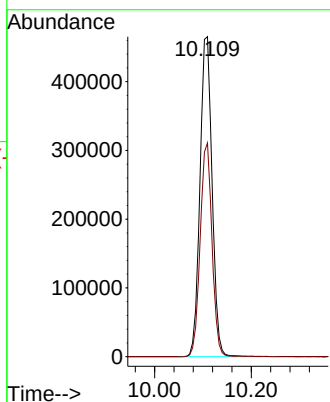
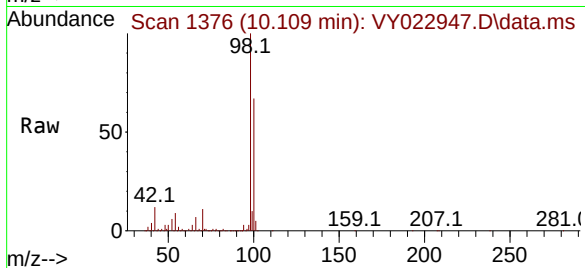




#50
Toluene-d8
Concen: 50.883 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

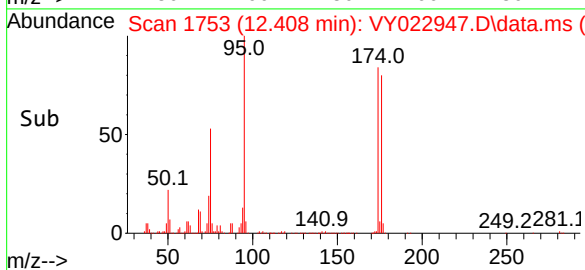
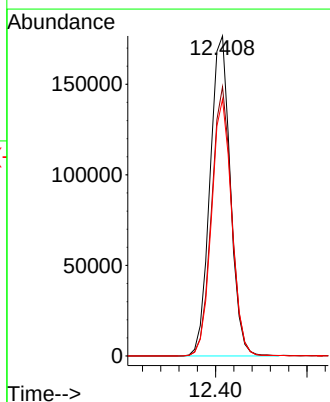
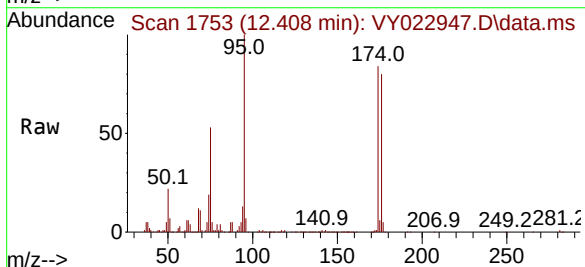
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

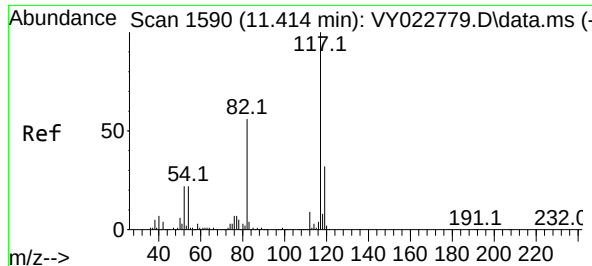
Tgt Ion: 98 Resp: 810431
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.264 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

Tgt Ion: 95 Resp: 272718
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 79.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

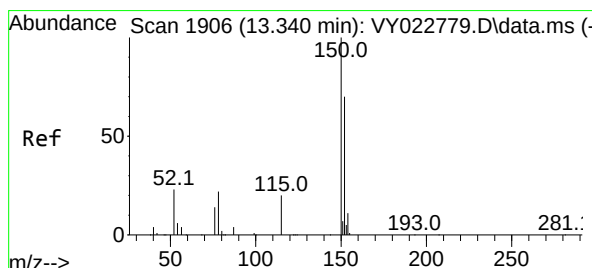
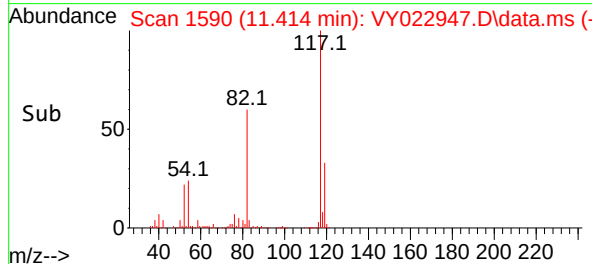
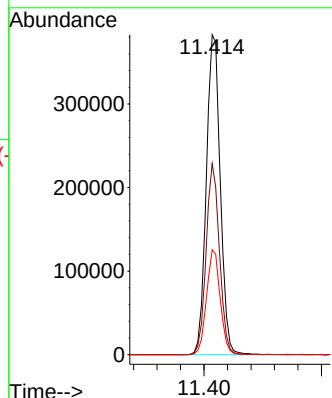
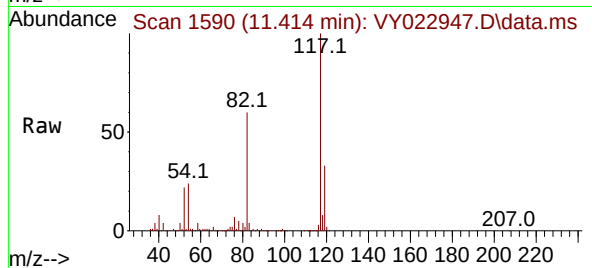
Tgt Ion:117 Resp: 632698

Ion Ratio Lower Upper

117 100

82 59.7 44.6 66.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

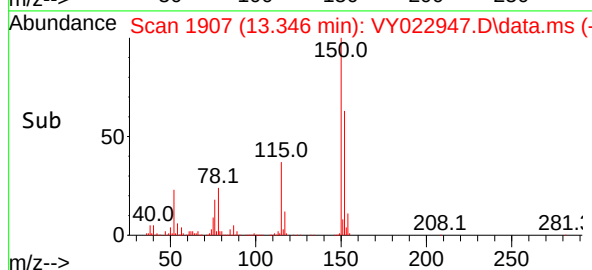
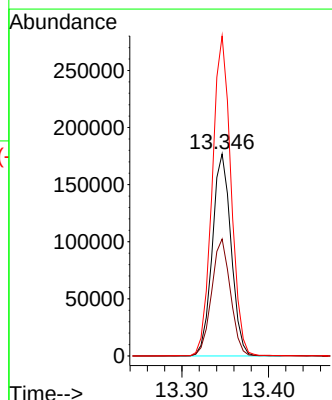
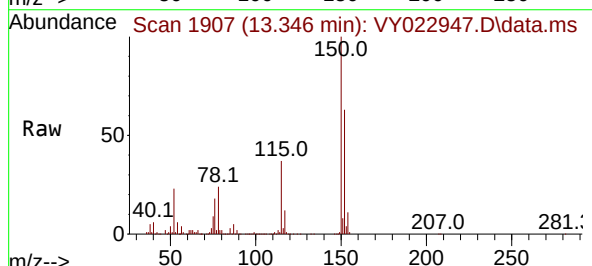
Tgt Ion:152 Resp: 266428

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 158.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

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\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV2	16030	37402	1.73%	0.331%
2	4.610	464	474	484	rBV2	19667	61053	2.82%	0.540%
3	7.634	961	970	976	rBV	277204	680650	31.44%	6.017%
4	7.707	976	982	995	rVB	471599	1077571	49.77%	9.526%
5	8.061	1031	1040	1053	rBV	234493	530373	24.50%	4.688%
6	8.616	1121	1131	1144	rBV	768455	1573352	72.67%	13.908%
7	10.109	1367	1376	1385	rBV	1237060	2165007	100.00%	19.138%
8	11.414	1582	1590	1603	rBV	1232030	2010675	92.87%	17.774%
9	12.408	1744	1753	1767	rBV	920998	1446673	66.82%	12.788%
10	13.285	1888	1897	1901	rBV4	13260	22160	1.02%	0.196%
11	13.346	1901	1907	1920	rVB	1093151	1683224	77.75%	14.880%
12	13.883	1988	1995	2001	rVB	13857	24196	1.12%	0.214%

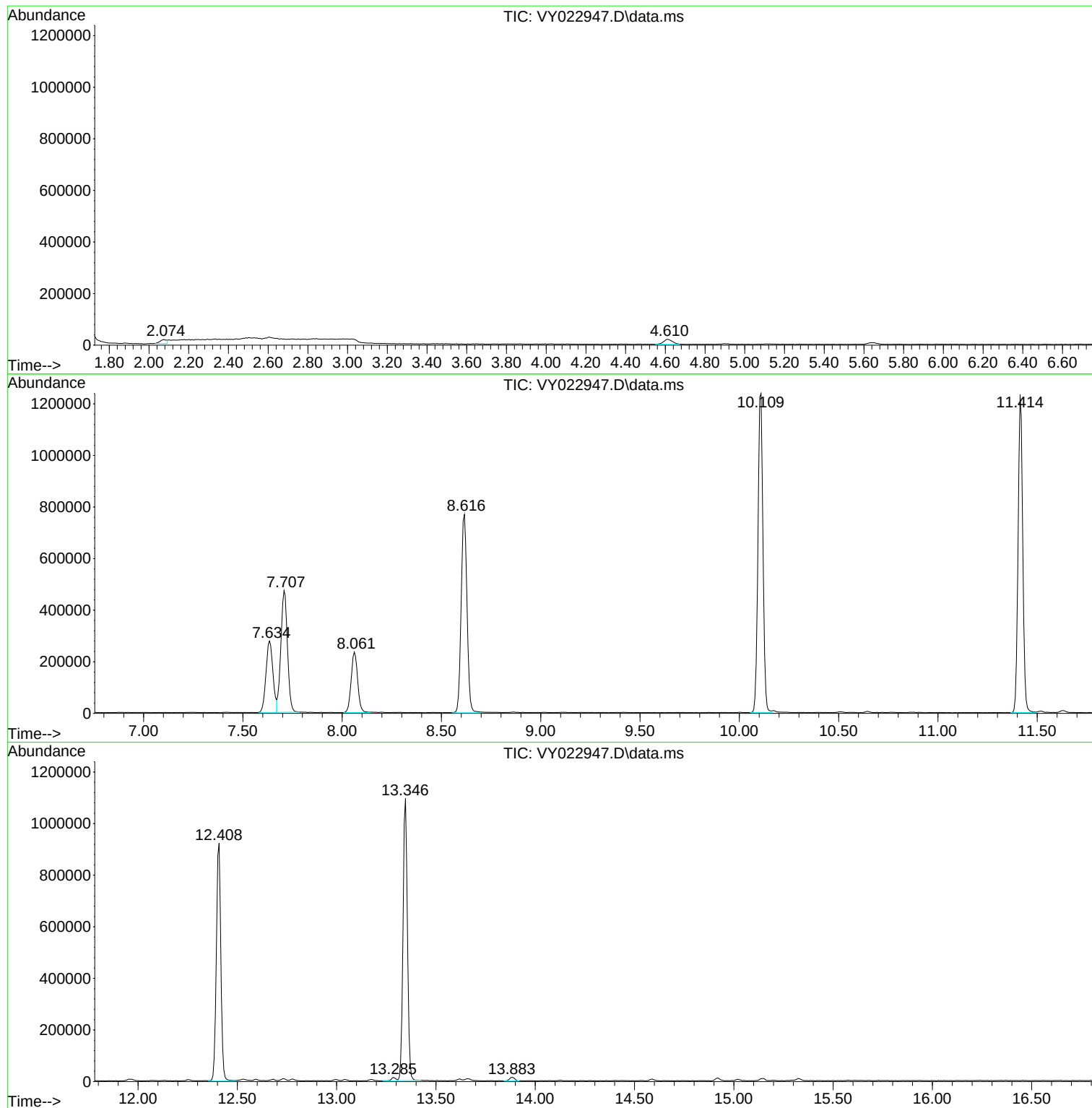
Sum of corrected areas: 11312336

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.7		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	97.2		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	89.3		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425000	7.707			
540-36-3	1,4-Difluorobenzene	714000	8.616			
3114-55-4	Chlorobenzene-d5	598000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	275000	13.346			



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070225\
 Data File : VY022905.D
 Acq On : 02 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	424569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	714057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274634	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	235952	49.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.580%
35) Dibromofluoromethane	7.634	113	225723	51.979	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.960%
50) Toluene-d8	10.109	98	894461	51.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.401	95	270945	48.912	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	73759	20.316	ug/l	96
3) Chloromethane	2.068	50	157084	22.659	ug/l	99
4) Vinyl Chloride	2.202	62	174099	20.101	ug/l	99
5) Bromomethane	2.592	94	148843	21.860	ug/l	99
6) Chloroethane	2.732	64	123901	21.282	ug/l	97
7) Trichlorofluoromethane	3.050	101	185784	19.372	ug/l	95
8) Diethyl Ether	3.452	74	49188	20.766	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	91614	20.904	ug/l	98
10) Methyl Iodide	4.001	142	88307	18.506	ug/l	100
11) Tert butyl alcohol	4.897	59	25331	80.394	ug/l	96
12) 1,1-Dichloroethene	3.787	96	88873	20.680	ug/l	95
13) Acrolein	3.653	56	30982	72.514	ug/l	98
14) Allyl chloride	4.385	41	140059	21.189	ug/l	94
15) Acrylonitrile	5.061	53	91750	92.839	ug/l	99
16) Acetone	3.879	43	96673	107.938	ug/l	96
17) Carbon Disulfide	4.104	76	285725	20.581	ug/l	99
18) Methyl Acetate	4.385	43	50397	16.991	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	222175	18.987	ug/l	97
20) Methylene Chloride	4.610	84	124394	21.993	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	100601	20.483	ug/l	99
22) Diisopropyl ether	6.025	45	308336	21.004	ug/l	96
23) Vinyl Acetate	5.964	43	812436	100.210	ug/l	99
24) 1,1-Dichloroethane	5.915	63	186164	20.996	ug/l	99
25) 2-Butanone	6.896	43	126649	97.159	ug/l	98
26) 2,2-Dichloropropane	6.884	77	158500	21.325	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	115091	20.166	ug/l	97
28) Bromochloromethane	7.244	49	75134	20.155	ug/l	97
29) Tetrahydrofuran	7.268	42	73905	89.788	ug/l	99
30) Chloroform	7.421	83	188954	20.690	ug/l	94
31) Cyclohexane	7.701	56	172610	21.207	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	164400	20.831	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136737	20.774	ug/l	99
37) Ethyl Acetate	6.988	43	55440	19.519	ug/l	97
38) Carbon Tetrachloride	7.817	117	142274	20.485	ug/l	99
39) Methylcyclohexane	9.109	83	175349	20.586	ug/l	97
40) Benzene	8.079	78	417754	20.643	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022905.D
 Acq On : 02 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	33907	19.391	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	110820	19.983	ug/l	99
43) Isopropyl Acetate	8.201	43	106535	18.047	ug/l	100
44) Trichloroethene	8.866	130	100970	19.872	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98745	20.848	ug/l	93
46) Dibromomethane	9.231	93	50099	18.633	ug/l	95
47) Bromodichloromethane	9.426	83	137237	19.794	ug/l	97
48) Methyl methacrylate	9.219	41	52213	18.398	ug/l	93
49) 1,4-Dioxane	9.237	88	10841	341.272	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	267882	89.297	ug/l	97
52) Toluene	10.170	92	256209	20.067	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	120668	19.343	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	146357	20.234	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	66898	19.215	ug/l	94
56) Ethyl methacrylate	10.438	69	83593	17.846	ug/l	94
57) 1,3-Dichloropropane	10.713	76	115303	18.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	207244	94.563	ug/l	99
59) 2-Hexanone	10.762	43	183863	90.148	ug/l	99
60) Dibromochloromethane	10.908	129	84438	18.776	ug/l	99
61) 1,2-Dibromoethane	11.011	107	59702	18.325	ug/l	98
64) Tetrachloroethene	10.646	164	111566	19.743	ug/l	98
65) Chlorobenzene	11.438	112	267982	20.389	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	88130	19.797	ug/l	98
67) Ethyl Benzene	11.518	91	475405	20.586	ug/l	100
68) m/p-Xylenes	11.627	106	362056	40.558	ug/l	99
69) o-Xylene	11.950	106	168231	20.000	ug/l	98
70) Styrene	11.969	104	277444	19.692	ug/l	100
71) Bromoform	12.133	173	45687	18.431	ug/l #	97
73) Isopropylbenzene	12.255	105	442479	21.785	ug/l	100
74) N-amyl acetate	12.066	43	89392	19.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68209	20.837	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	49251m	17.566	ug/l	
77) Bromobenzene	12.530	156	95387	20.719	ug/l	99
78) n-propylbenzene	12.597	91	535170	21.824	ug/l	98
79) 2-Chlorotoluene	12.676	91	301072	21.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	352500	21.499	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	21683	19.538	ug/l	98
82) 4-Chlorotoluene	12.773	91	306721	21.076	ug/l	100
83) tert-Butylbenzene	12.993	119	319348	22.085	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	348148	21.208	ug/l	99
85) sec-Butylbenzene	13.176	105	476969	21.923	ug/l	99
86) p-Isopropyltoluene	13.292	119	388241	21.443	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	188954	20.436	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	188266	20.498	ug/l	98
89) n-Butylbenzene	13.615	91	365542	21.464	ug/l	99
90) Hexachloroethane	13.877	117	78274	21.706	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	164154	20.146	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10173	18.326	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	84875	18.449	ug/l	98
94) Hexachlorobutadiene	15.023	225	51596	19.833	ug/l	99
95) Naphthalene	15.145	128	135120	16.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	71165	17.901	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

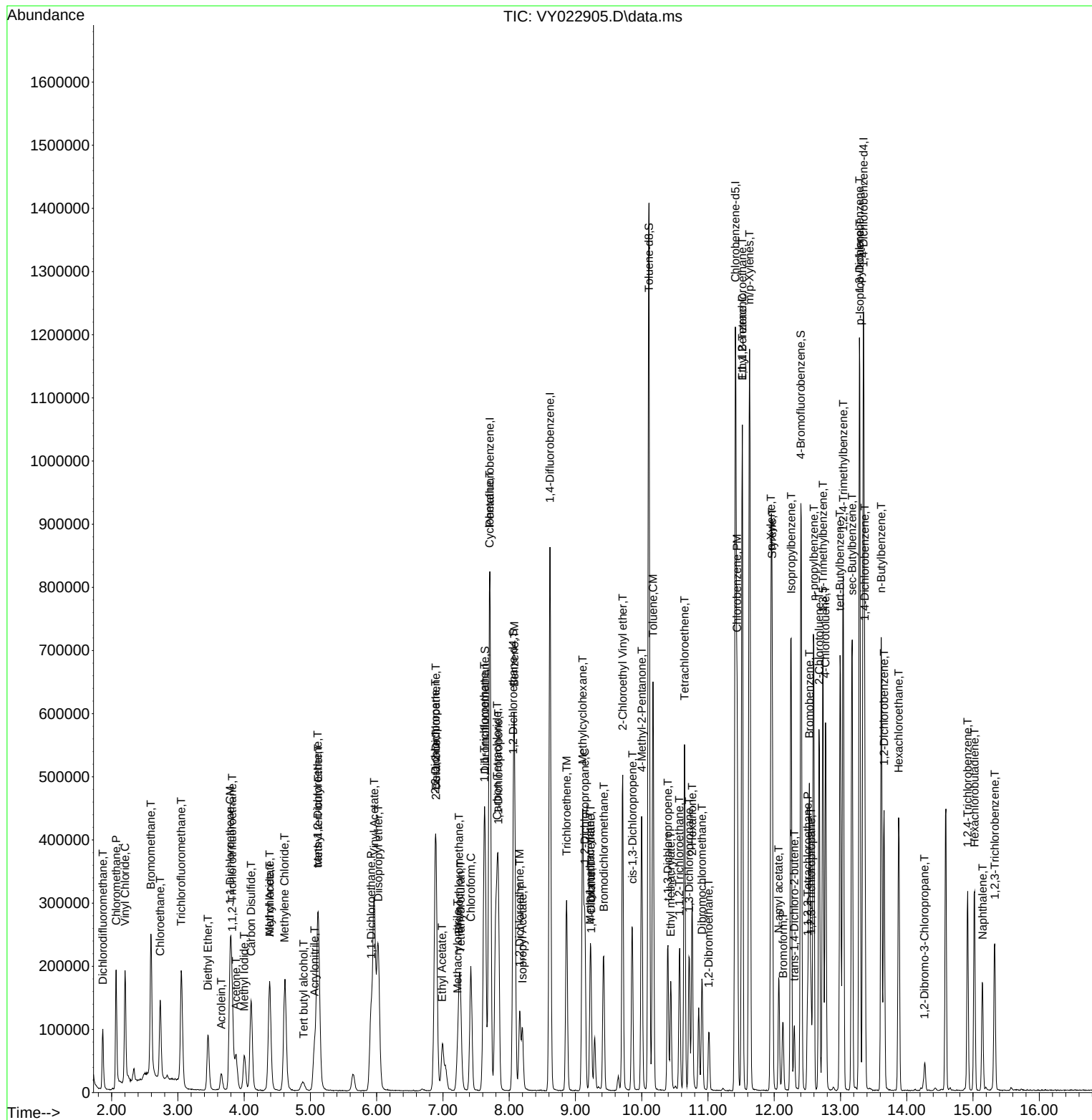
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022905.D
Acq On : 02 Jul 2025 12:12
Operator : SY/MD
Sample : VY0702SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0703SBS01		SDG No.:	Q2487
Lab Sample ID:	VY0703SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	88.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.3		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	17.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	16.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	388000	7.707			
540-36-3	1,4-Difluorobenzene	648000	8.616			
3114-55-4	Chlorobenzene-d5	538000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.347			



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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0703SBS01		SDG No.:	Q2487
Lab Sample ID:	VY0703SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070325\
 Data File : VY022931.D
 Acq On : 03 Jul 2025 10:29
 Operator : SY/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	387913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	648160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	537972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	252496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209510	48.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.780%		
35) Dibromofluoromethane	7.634	113	199592	50.635	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.260%		
50) Toluene-d8	10.109	98	799069	51.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.402	95	236501	47.034	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	70580	21.278	ug/l	98
3) Chloromethane	2.068	50	127454	20.122	ug/l	99
4) Vinyl Chloride	2.202	62	159294	20.130	ug/l	98
5) Bromomethane	2.592	94	122010	19.612	ug/l	97
6) Chloroethane	2.733	64	107980	20.300	ug/l	93
7) Trichlorofluoromethane	3.056	101	169518	19.346	ug/l	95
8) Diethyl Ether	3.452	74	45033	20.809	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	87150	21.764	ug/l	98
10) Methyl Iodide	4.001	142	97838	22.441	ug/l	99
11) Tert butyl alcohol	4.854	59	20469	71.102	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	83297	21.214	ug/l	100
13) Acrolein	3.653	56	25473	65.254	ug/l	99
14) Allyl chloride	4.385	41	129036	21.366	ug/l	96
15) Acrylonitrile	5.055	53	84609	93.703	ug/l	99
16) Acetone	3.873	43	111716	136.521	ug/l	100
17) Carbon Disulfide	4.104	76	267737	21.108	ug/l	99
18) Methyl Acetate	4.379	43	43949	16.217	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	195944	18.328	ug/l	98
20) Methylene Chloride	4.610	84	123955	23.986	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	93980	20.943	ug/l	96
22) Diisopropyl ether	6.019	45	283845	21.163	ug/l	98
23) Vinyl Acetate	5.958	43	731439	98.745	ug/l	98
24) 1,1-Dichloroethane	5.915	63	174928	21.593	ug/l	99
25) 2-Butanone	6.890	43	127266	106.858	ug/l	97
26) 2,2-Dichloropropane	6.884	77	149021	21.944	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	107102	20.539	ug/l	98
28) Bromochloromethane	7.244	49	69235	20.328	ug/l	98
29) Tetrahydrofuran	7.268	42	65265	86.784	ug/l	98
30) Chloroform	7.421	83	175044	20.978	ug/l	97
31) Cyclohexane	7.701	56	157776	21.217	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	153070	21.229	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128212	21.459	ug/l	99
37) Ethyl Acetate	6.988	43	50224	19.480	ug/l	99
38) Carbon Tetrachloride	7.823	117	133029	21.102	ug/l	95
39) Methylcyclohexane	9.109	83	159255	20.597	ug/l	97
40) Benzene	8.079	78	393017	21.395	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022931.D
 Acq On : 03 Jul 2025 10:29
 Operator : SY/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
 Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	27881	17.566	ug/l	97
42) 1,2-Dichloroethane	8.158	62	103916	20.644	ug/l	98
43) Isopropyl Acetate	8.195	43	95778	17.874	ug/l	99
44) Trichloroethene	8.866	130	97639	21.170	ug/l	98
45) 1,2-Dichloropropane	9.140	63	92009	21.401	ug/l	99
46) Dibromomethane	9.231	93	47317	19.387	ug/l	96
47) Bromodichloromethane	9.420	83	128308	20.387	ug/l	99
48) Methyl methacrylate	9.219	41	47289	18.357	ug/l	95
49) 1,4-Dioxane	9.231	88	9157	317.567	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	241570	88.713	ug/l	98
52) Toluene	10.170	92	238824	20.608	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	108776	19.210	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	133699	20.363	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	61407	19.431	ug/l	96
56) Ethyl methacrylate	10.439	69	71109	16.724	ug/l	94
57) 1,3-Dichloropropane	10.719	76	106682	19.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	182772	92.321	ug/l	100
59) 2-Hexanone	10.762	43	180193	97.331	ug/l	100
60) Dibromochloromethane	10.914	129	78126	19.139	ug/l	98
61) 1,2-Dibromoethane	11.018	107	53694	18.156	ug/l	100
64) Tetrachloroethene	10.646	164	113322	22.298	ug/l	98
65) Chlorobenzene	11.438	112	246846	20.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	83151	20.768	ug/l	99
67) Ethyl Benzene	11.518	91	444341	21.394	ug/l	99
68) m/p-Xylenes	11.627	106	340082	42.359	ug/l	100
69) o-Xylene	11.950	106	152396	20.145	ug/l	97
70) Styrene	11.969	104	255350	20.151	ug/l	100
71) Bromoform	12.133	173	39349	17.650	ug/l #	93
73) Isopropylbenzene	12.255	105	406452	21.766	ug/l	99
74) N-amyl acetate	12.072	43	76832	18.330	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	56862	18.894	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	47637m	18.480	ug/l	
77) Bromobenzene	12.530	156	85396	20.175	ug/l	97
78) n-propylbenzene	12.591	91	501335	22.236	ug/l	99
79) 2-Chlorotoluene	12.676	91	276414	21.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	322847	21.417	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	19815	19.420	ug/l	99
82) 4-Chlorotoluene	12.773	91	285435	21.333	ug/l	99
83) tert-Butylbenzene	12.993	119	285631	21.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	319638	21.179	ug/l	99
85) sec-Butylbenzene	13.176	105	432243	21.609	ug/l	99
86) p-Isopropyltoluene	13.292	119	352748	21.191	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	175614	20.659	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	173497	20.546	ug/l	99
89) n-Butylbenzene	13.615	91	332530	21.237	ug/l	100
90) Hexachloroethane	13.877	117	71505	21.568	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	146920	19.612	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9096	17.822	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	74824	17.690	ug/l	98
94) Hexachlorobutadiene	15.023	225	47153	19.715	ug/l	99
95) Naphthalene	15.145	128	116220	15.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	61871	16.928	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

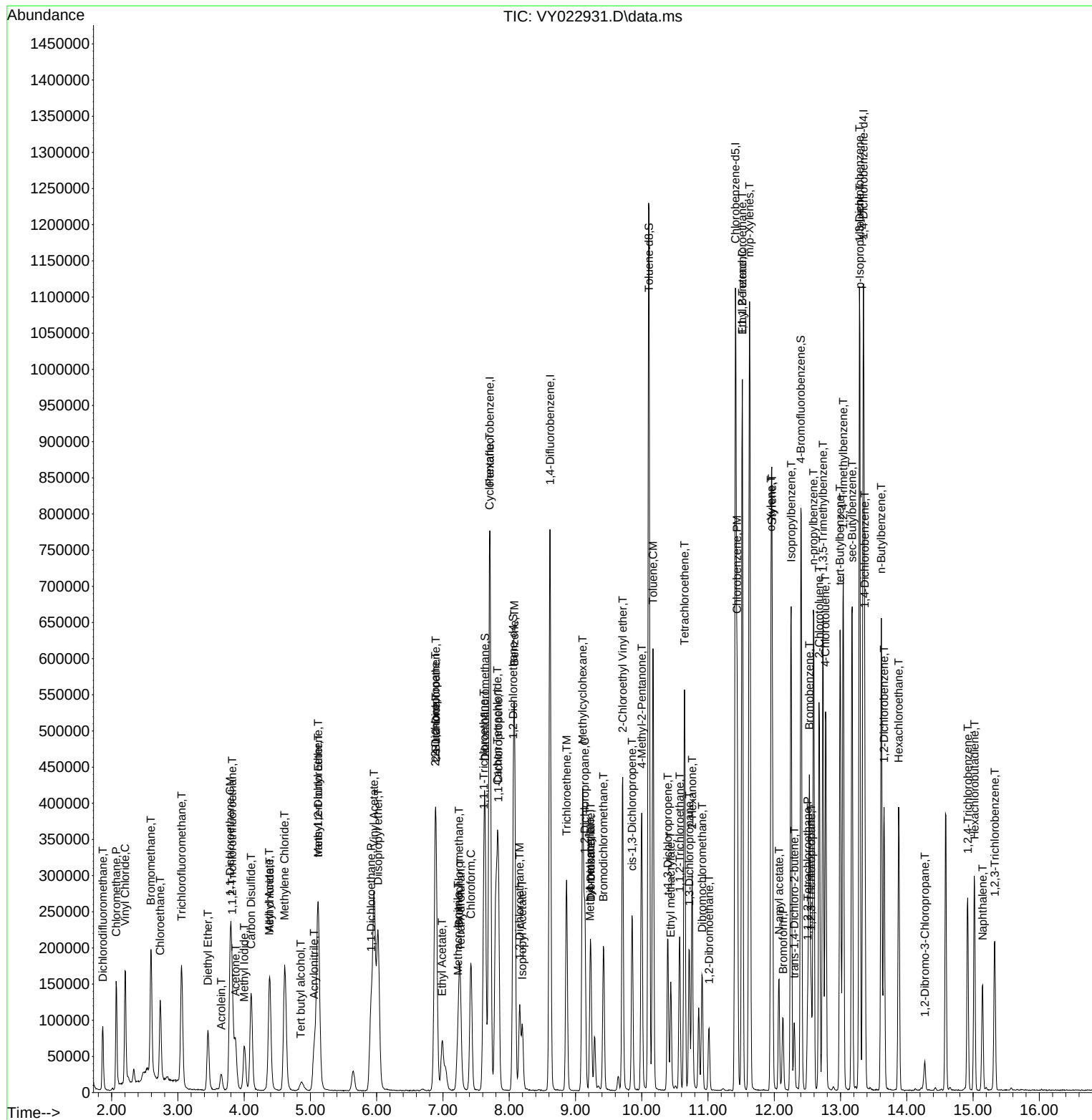
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022931.D
Acq On : 03 Jul 2025 10:29
Operator : SY/MD
Sample : VY0703SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/07/2025
Supervised By :Semsettin Yesilyurt 07/07/2025

Quant Time: Jul 04 03:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	28.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	87.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg



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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0707SBS01		SDG No.:	Q2487
Lab Sample ID:	VY0707SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.0		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	439000	7.707			
540-36-3	1,4-Difluorobenzene	730000	8.609			
3114-55-4	Chlorobenzene-d5	613000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	286000	13.346			

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2487
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VY070725\
 Data File : VY022948.D
 Acq On : 07 Jul 2025 10:17
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	438661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	730129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	286401	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	229601	46.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.800%
35) Dibromofluoromethane	7.634	113	219826	49.507	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.020%
50) Toluene-d8	10.103	98	887929	50.394	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.401	95	266395	47.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	76291	20.339	ug/l	96
3) Chloromethane	2.068	50	136859	19.107	ug/l	99
4) Vinyl Chloride	2.202	62	168346	18.813	ug/l	100
5) Bromomethane	2.592	94	132582	18.846	ug/l	97
6) Chloroethane	2.732	64	114293	19.001	ug/l	97
7) Trichlorofluoromethane	3.056	101	189157	19.090	ug/l	100
8) Diethyl Ether	3.452	74	48932	19.995	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	96371	21.283	ug/l	97
10) Methyl Iodide	4.000	142	97940	19.866	ug/l	99
11) Tert butyl alcohol	4.872	59	25549	78.481	ug/l	99
12) 1,1-Dichloroethene	3.787	96	92533	20.840	ug/l	98
13) Acrolein	3.653	56	26290	59.555	ug/l	98
14) Allyl chloride	4.378	41	144251	21.122	ug/l	93
15) Acrylonitrile	5.061	53	95727	93.752	ug/l	98
16) Acetone	3.866	43	125926	136.083	ug/l	99
17) Carbon Disulfide	4.104	76	296213	20.651	ug/l	98
18) Methyl Acetate	4.385	43	50901	16.610	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	222490	18.403	ug/l	96
20) Methylene Chloride	4.610	84	165999	28.405	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	104766	20.645	ug/l	95
22) Diisopropyl ether	6.018	45	315738	20.818	ug/l	96
23) Vinyl Acetate	5.957	43	815265	97.329	ug/l	100
24) 1,1-Dichloroethane	5.909	63	194723	21.255	ug/l	99
25) 2-Butanone	6.896	43	142744	105.988	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167826	21.854	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	118058	20.021	ug/l	98
28) Bromochloromethane	7.244	49	77658	20.163	ug/l	94
29) Tetrahydrofuran	7.262	42	76693	90.182	ug/l	96
30) Chloroform	7.421	83	193425	20.499	ug/l	92
31) Cyclohexane	7.701	56	176879	21.034	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	170941	20.964	ug/l	100
36) 1,1-Dichloropropene	7.835	75	141162	20.974	ug/l	100
37) Ethyl Acetate	6.982	43	53600	18.455	ug/l	98
38) Carbon Tetrachloride	7.817	117	150738	21.226	ug/l	97
39) Methylcyclohexane	9.109	83	180217	20.691	ug/l	98
40) Benzene	8.079	78	428546	20.710	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022948.D
 Acq On : 07 Jul 2025 10:17
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	31864	17.822	ug/l	94
42) 1,2-Dichloroethane	8.158	62	110484	19.484	ug/l	99
43) Isopropyl Acetate	8.195	43	107707	17.843	ug/l	98
44) Trichloroethene	8.865	130	111170	21.398	ug/l	94
45) 1,2-Dichloropropane	9.140	63	100967	20.848	ug/l	98
46) Dibromomethane	9.231	93	52288	19.019	ug/l	96
47) Bromodichloromethane	9.420	83	144164	20.335	ug/l	98
48) Methyl methacrylate	9.219	41	52431	18.068	ug/l	91
49) 1,4-Dioxane	9.231	88	11448	352.448	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	269544	87.873	ug/l	97
52) Toluene	10.170	92	268161	20.541	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	123379	19.343	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	148236	20.043	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	68663	19.287	ug/l	96
56) Ethyl methacrylate	10.438	69	80850	16.880	ug/l	95
57) 1,3-Dichloropropane	10.713	76	119083	19.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	211650	94.467	ug/l	99
59) 2-Hexanone	10.761	43	202197	96.955	ug/l	99
60) Dibromochloromethane	10.908	129	88862	19.325	ug/l	99
61) 1,2-Dibromoethane	11.011	107	61866	18.571	ug/l	97
64) Tetrachloroethene	10.646	164	129132	22.313	ug/l	97
65) Chlorobenzene	11.438	112	278486	20.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92449	20.278	ug/l	98
67) Ethyl Benzene	11.517	91	488947	20.674	ug/l	99
68) m/p-Xylenes	11.627	106	378381	41.388	ug/l	100
69) o-Xylene	11.950	106	174593	20.268	ug/l	100
70) Styrene	11.969	104	285850	19.810	ug/l	99
71) Bromoform	12.133	173	46387	18.273	ug/l #	98
73) Isopropylbenzene	12.255	105	454471	21.456	ug/l	99
74) N-amyl acetate	12.072	43	84963	17.870	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	62566	18.328	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61527m	21.043	ug/l	
77) Bromobenzene	12.529	156	99192	20.661	ug/l	99
78) n-propylbenzene	12.590	91	563095	22.019	ug/l	100
79) 2-Chlorotoluene	12.676	91	314450	21.763	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	363308	21.247	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	22687	19.603	ug/l	97
82) 4-Chlorotoluene	12.773	91	315835	20.811	ug/l	100
83) tert-Butylbenzene	12.993	119	325048	21.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	362921	21.200	ug/l	100
85) sec-Butylbenzene	13.176	105	489226	21.562	ug/l	99
86) p-Isopropyltoluene	13.285	119	399082	21.137	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	199343	20.674	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	196099	20.474	ug/l	99
89) n-Butylbenzene	13.615	91	373963	21.056	ug/l	100
90) Hexachloroethane	13.877	117	81916	21.783	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	170602	20.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9741	16.827	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	88322	18.410	ug/l	99
94) Hexachlorobutadiene	15.023	225	53676	19.785	ug/l	99
95) Naphthalene	15.139	128	137408	15.838	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	73428	17.712	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022948.D
Acq On : 07 Jul 2025 10:17
Operator : SY/MD
Sample : VY0707SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

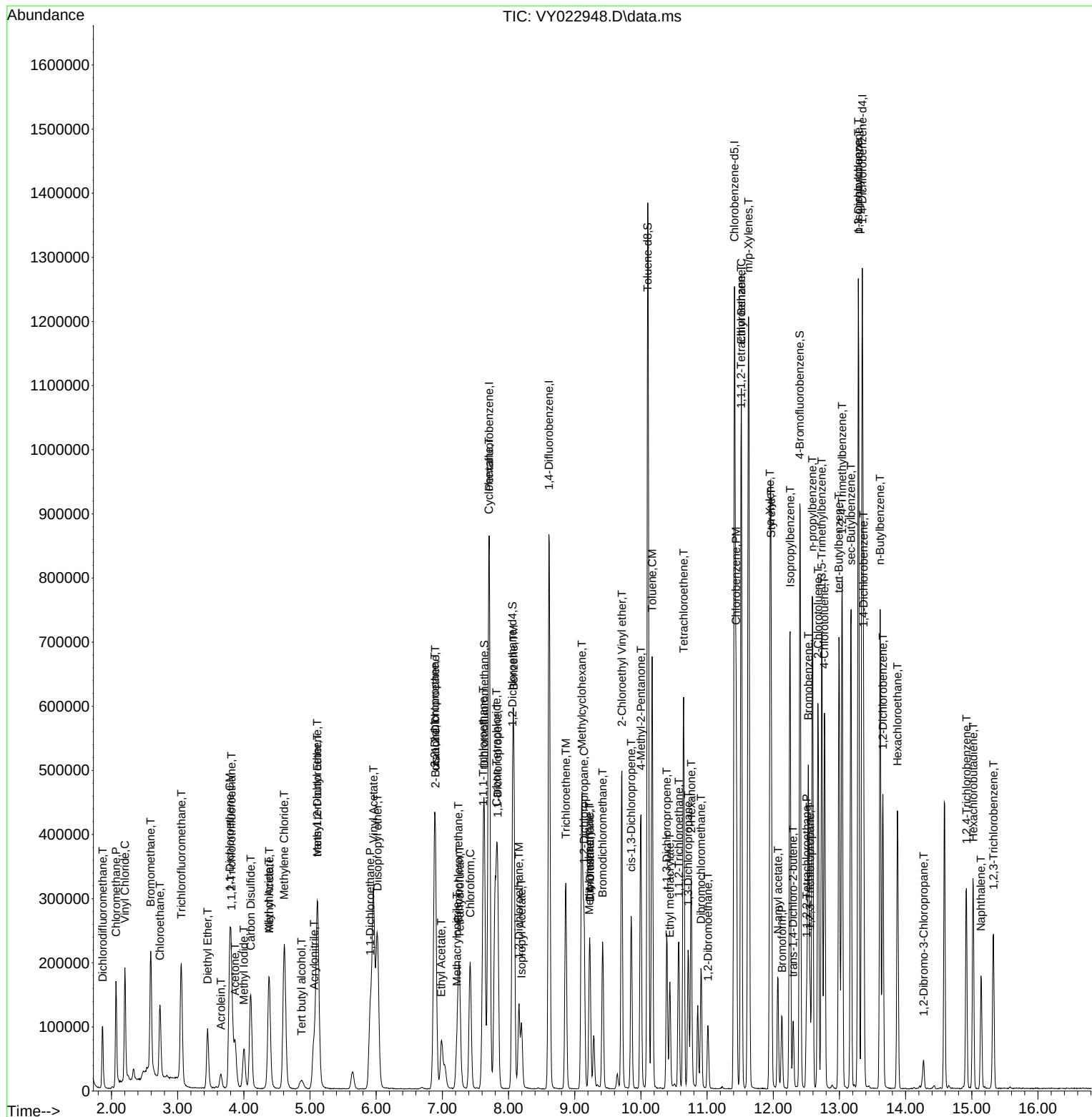
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022948.D
Acq On : 07 Jul 2025 10:17
Operator : SY/MD
Sample : VY0707SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2487
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg



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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0702SBSD01		SDG No.:	Q2487
Lab Sample ID:	VY0702SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	406000	7.713			
540-36-3	1,4-Difluorobenzene	690000	8.615			
3114-55-4	Chlorobenzene-d5	580000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	269000	13.346			



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

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084		Date Received:	
Client Sample ID:	VY0702SBSD01		SDG No.:	Q2487
Lab Sample ID:	VY0702SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\VY070225\
 Data File : VY022906.D
 Acq On : 02 Jul 2025 12:35
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:19:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	405936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	690466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	580305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	268831	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	221367	48.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.720%
35) Dibromofluoromethane	7.634	113	207980	49.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.109	98	819831	49.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.401	95	252675	47.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	73151	21.074	ug/l	97
3) Chloromethane	2.068	50	135977	20.515	ug/l	99
4) Vinyl Chloride	2.202	62	161726	19.530	ug/l	98
5) Bromomethane	2.592	94	138775	21.317	ug/l	95
6) Chloroethane	2.732	64	113851	20.453	ug/l	99
7) Trichlorofluoromethane	3.055	101	176768	19.278	ug/l	100
8) Diethyl Ether	3.458	74	49602	21.902	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	89122	21.268	ug/l	98
10) Methyl Iodide	4.007	142	92443	20.262	ug/l	100
11) Tert butyl alcohol	4.866	59	26846	89.113	ug/l	95
12) 1,1-Dichloroethene	3.793	96	87794	21.367	ug/l	97
13) Acrolein	3.659	56	32357	79.208	ug/l	100
14) Allyl chloride	4.385	41	140526	22.235	ug/l	93
15) Acrylonitrile	5.061	53	96461	102.086	ug/l	99
16) Acetone	3.872	43	103281	120.609	ug/l	96
17) Carbon Disulfide	4.104	76	279045	21.022	ug/l	100
18) Methyl Acetate	4.391	43	54209	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	227162	20.304	ug/l	98
20) Methylene Chloride	4.622	84	130254	24.086	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	99934	21.281	ug/l	95
22) Diisopropyl ether	6.018	45	309565	22.056	ug/l	97
23) Vinyl Acetate	5.963	43	820152	105.805	ug/l	99
24) 1,1-Dichloroethane	5.921	63	186471	21.995	ug/l	99
25) 2-Butanone	6.896	43	133750	107.316	ug/l	100
26) 2,2-Dichloropropane	6.890	77	154620	21.758	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	112463	20.610	ug/l	96
28) Bromochloromethane	7.250	49	76412	21.439	ug/l	96
29) Tetrahydrofuran	7.262	42	78189	99.353	ug/l	99
30) Chloroform	7.427	83	185877	21.288	ug/l	95
31) Cyclohexane	7.707	56	170338	21.889	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	163060	21.610	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136939	21.515	ug/l	100
37) Ethyl Acetate	6.988	43	57194	20.824	ug/l	98
38) Carbon Tetrachloride	7.817	117	140172	20.872	ug/l	94
39) Methylcyclohexane	9.109	83	169582	20.589	ug/l	95
40) Benzene	8.079	78	415693	21.243	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022906.D
 Acq On : 02 Jul 2025 12:35
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:19:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	30954	18.307	ug/l	97
42) 1,2-Dichloroethane	8.158	62	111414	20.777	ug/l	99
43) Isopropyl Acetate	8.201	43	112874	19.774	ug/l	98
44) Trichloroethene	8.865	130	101178	20.593	ug/l	99
45) 1,2-Dichloropropane	9.140	63	98764	21.564	ug/l	99
46) Dibromomethane	9.231	93	52919	20.354	ug/l	98
47) Bromodichloromethane	9.426	83	137842	20.560	ug/l	99
48) Methyl methacrylate	9.225	41	53712	19.573	ug/l	94
49) 1,4-Dioxane	9.231	88	11478	373.670	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	281739	97.125	ug/l	98
52) Toluene	10.170	92	256912	20.810	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	121336	20.115	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	146389	20.930	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	67153	19.947	ug/l	96
56) Ethyl methacrylate	10.438	69	84745	18.710	ug/l	97
57) 1,3-Dichloropropane	10.719	76	119194	20.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	217887	101.450	ug/l	99
59) 2-Hexanone	10.761	43	195087	98.919	ug/l	100
60) Dibromochloromethane	10.908	129	87594	20.143	ug/l	99
61) 1,2-Dibromoethane	11.011	107	60347	19.155	ug/l	98
64) Tetrachloroethene	10.646	164	111034	20.254	ug/l	97
65) Chlorobenzene	11.438	112	270018	21.176	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	88025	20.382	ug/l	97
67) Ethyl Benzene	11.517	91	473565	21.138	ug/l	98
68) m/p-Xylenes	11.627	106	362398	41.845	ug/l	99
69) o-Xylene	11.950	106	170530	20.897	ug/l	98
70) Styrene	11.969	104	279943	20.480	ug/l	99
71) Bromoform	12.127	173	46324	19.263	ug/l #	99
73) Isopropylbenzene	12.255	105	440003	22.131	ug/l	99
74) N-amyl acetate	12.072	43	92703	20.773	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	68527	21.386	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	50650m	18.455	ug/l	
77) Bromobenzene	12.529	156	96183	21.343	ug/l	99
78) n-propylbenzene	12.590	91	538120	22.418	ug/l	99
79) 2-Chlorotoluene	12.676	91	298394	22.002	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	348288	21.700	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22080	20.325	ug/l	98
82) 4-Chlorotoluene	12.773	91	307205	21.565	ug/l	100
83) tert-Butylbenzene	12.993	119	316084	22.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	349907	21.775	ug/l	99
85) sec-Butylbenzene	13.176	105	469888	22.064	ug/l	99
86) p-Isopropyltoluene	13.291	119	381373	21.519	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	193122	21.338	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	188973	21.019	ug/l	98
89) n-Butylbenzene	13.615	91	362836	21.765	ug/l	99
90) Hexachloroethane	13.877	117	77772	22.033	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	166574	20.884	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10463	19.255	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	88791	19.717	ug/l	99
94) Hexachlorobutadiene	15.023	225	53880	21.158	ug/l	97
95) Naphthalene	15.139	128	151610	18.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	74875	19.241	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022906.D
Acq On : 02 Jul 2025 12:35
Operator : SY/MD
Sample : VY0702SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

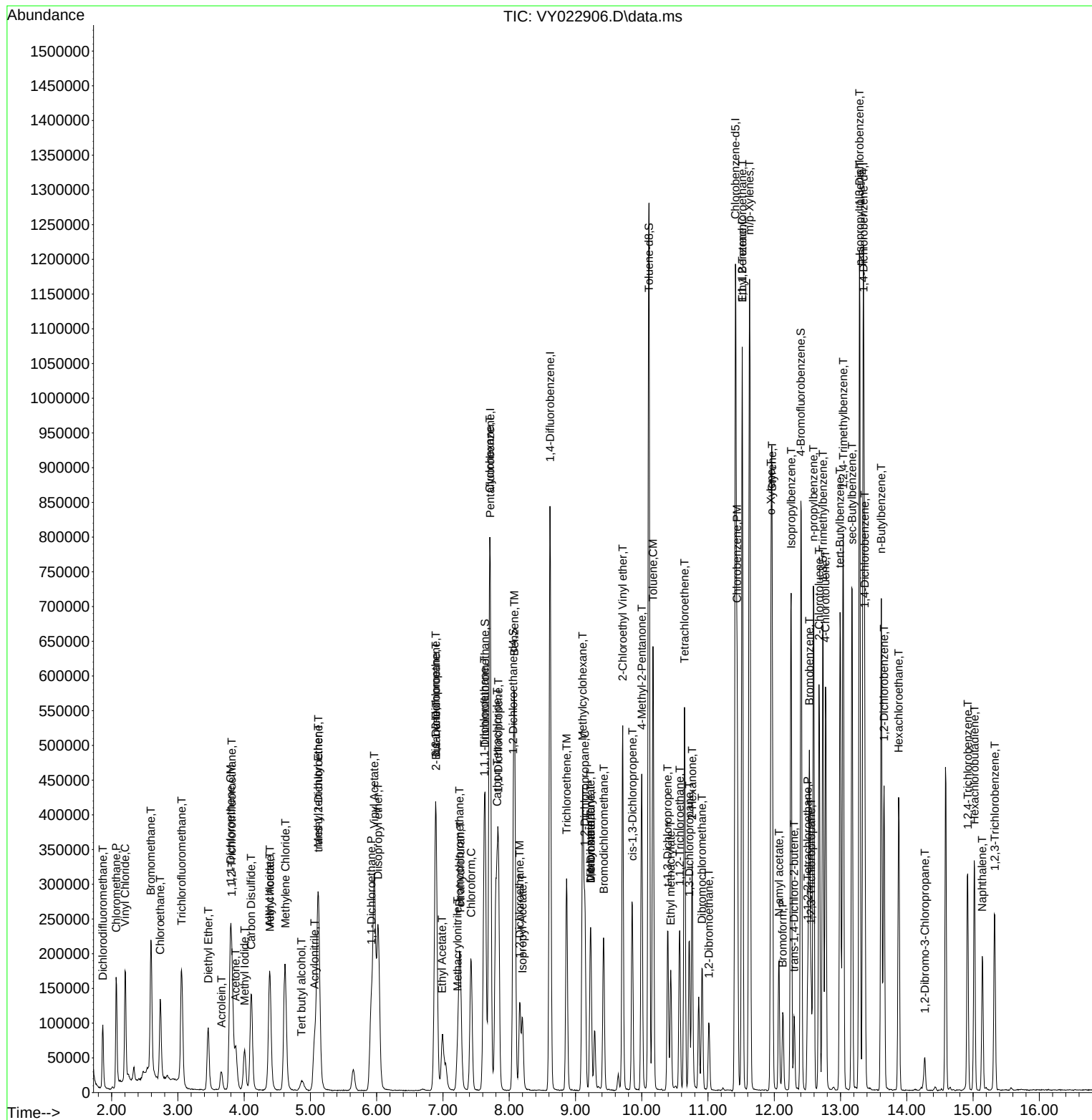
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022906.D
 Acq On : 02 Jul 2025 12:35
 Operator : SY/MD
 Sample : VY0702SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBSD01

Quant Time: Jul 03 02:19:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025



Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY022776.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC005	VY022776.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	Methacrylonitrile	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDIC100	VY022780.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDIC150	VY022781.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY070225

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022903.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:15 PM	SAM	7/3/2025 3:13:08 PM	Peak Integrated by Software
VY0702SBS01	VY022905.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:17 PM	SAM	7/3/2025 3:13:10 PM	Peak Integrated by Software
VY0702SBSD01	VY022906.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:19 PM	SAM	7/3/2025 3:13:12 PM	Peak Integrated by Software
VSTDCCC050	VY022927.D	1,2,3-Trichloropropane	MMDadoda	7/3/2025 3:08:21 PM	SAM	7/3/2025 3:13:13 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VY070325	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022929.D	1,2,3-Trichloropropane	MMDadoda	7/7/2025 2:11:50 PM	SAM	7/7/2025 2:15:28 PM	Peak Integrated by Software
VY0703SBS01	VY022931.D	1,2,3-Trichloropropane	MMDadoda	7/7/2025 2:11:52 PM	SAM	7/7/2025 2:15:28 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy070725

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022946.D	1,2,3-Trichloropropane	MMDadoda	7/8/2025 3:34:59 PM	Sam	7/8/2025 3:38:14 PM	Peak Integrated by Software
VSTDCCC050	VY022946.D	Methacrylonitrile	MMDadoda	7/8/2025 3:34:59 PM	Sam	7/8/2025 3:38:14 PM	Peak Integrated by Software
VY0707SBS01	VY022948.D	1,2,3-Trichloropropane	MMDadoda	7/8/2025 3:35:00 PM	Sam	7/8/2025 3:38:16 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134461			
Initial Calibration Stds		VP134462,VP134463,VP134464,VP134465,VP134466,VP134467			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134468			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDIC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDIC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDIC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDIC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDIC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDIC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134605		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134608,VP134609 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022902.D	02 Jul 2025 08:51	SY/MD	Ok
2	VSTDCCC050	VY022903.D	02 Jul 2025 10:37	SY/MD	Ok,M
3	VY0702SBL01	VY022904.D	02 Jul 2025 11:42	SY/MD	Ok
4	VY0702SBS01	VY022905.D	02 Jul 2025 12:12	SY/MD	Ok,M
5	VY0702SBSD01	VY022906.D	02 Jul 2025 12:35	SY/MD	Ok,M
6	Q2469-03	VY022907.D	02 Jul 2025 13:12	SY/MD	Ok
7	Q2464-01	VY022908.D	02 Jul 2025 13:36	SY/MD	Ok
8	Q2478-03	VY022909.D	02 Jul 2025 13:59	SY/MD	Ok
9	Q2475-01	VY022910.D	02 Jul 2025 14:23	SY/MD	Ok
10	Q2486-02	VY022911.D	02 Jul 2025 14:46	SY/MD	ReRun
11	Q2458-04	VY022912.D	02 Jul 2025 15:09	SY/MD	Ok
12	Q2458-06	VY022913.D	02 Jul 2025 15:33	SY/MD	Ok
13	Q2458-07	VY022914.D	02 Jul 2025 15:56	SY/MD	Ok
14	Q2458-08	VY022915.D	02 Jul 2025 16:20	SY/MD	Ok
15	Q2458-09	VY022916.D	02 Jul 2025 16:43	SY/MD	ReRun
16	Q2473-01	VY022917.D	02 Jul 2025 17:07	SY/MD	Ok
17	Q2473-02	VY022918.D	02 Jul 2025 17:30	SY/MD	Ok
18	Q2473-03	VY022919.D	02 Jul 2025 17:53	SY/MD	Ok
19	Q2473-04	VY022920.D	02 Jul 2025 18:17	SY/MD	ReRun
20	Q2487-01	VY022921.D	02 Jul 2025 18:40	SY/MD	ReRun
21	Q2487-02	VY022922.D	02 Jul 2025 19:04	SY/MD	ReRun

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM		
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134605			
CCC		VP134608,VP134609			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2487-03	VY022923.D	02 Jul 2025 19:27	SY/MD	ReRun
23	Q2487-04	VY022924.D	02 Jul 2025 19:50	SY/MD	ReRun
24	Q2487-05	VY022925.D	02 Jul 2025 20:14	SY/MD	ReRun
25	VIBLK	VY022926.D	02 Jul 2025 20:37	SY/MD	Ok
26	VSTDCCC050	VY022927.D	02 Jul 2025 21:23	SY/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY070325

Review By	Mahesh Dadoda	Review On	7/7/2025 2:11:58 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/7/2025 2:15:30 PM
SubDirectory	VY070325	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134628		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134631,VP134632 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022928.D	03 Jul 2025 08:03	SY/MD	Ok
2	VSTDCCC050	VY022929.D	03 Jul 2025 09:26	SY/MD	Ok,M
3	VY0703SBL01	VY022930.D	03 Jul 2025 09:57	SY/MD	Ok
4	VY0703SBS01	VY022931.D	03 Jul 2025 10:29	SY/MD	Ok,M
5	VY0703SBSD01	VY022932.D	03 Jul 2025 10:52	SY/MD	Ok,M
6	Q2493-03	VY022933.D	03 Jul 2025 11:29	SY/MD	Ok
7	Q2491-01	VY022934.D	03 Jul 2025 11:53	SY/MD	Ok
8	Q2486-02	VY022935.D	03 Jul 2025 12:16	SY/MD	Ok
9	Q2473-04RE	VY022936.D	03 Jul 2025 12:39	SY/MD	Confirms
10	Q2458-09	VY022937.D	03 Jul 2025 13:03	SY/MD	Ok
11	Q2487-01	VY022938.D	03 Jul 2025 13:26	SY/MD	Ok
12	Q2487-02	VY022939.D	03 Jul 2025 13:50	SY/MD	Ok
13	Q2487-03	VY022940.D	03 Jul 2025 14:13	SY/MD	Ok
14	Q2487-04	VY022941.D	03 Jul 2025 14:36	SY/MD	Ok
15	Q2487-05RE	VY022942.D	03 Jul 2025 15:00	SY/MD	Confirms
16	Q2487-06	VY022943.D	03 Jul 2025 15:23	SY/MD	Ok
17	Q2487-07	VY022944.D	03 Jul 2025 15:47	SY/MD	ReRun

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134656		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134657,VP134658 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022945.D	07 Jul 2025 08:36	SY/MD	Ok
2	VSTDCCC050	VY022946.D	07 Jul 2025 09:08	SY/MD	Ok,M
3	VY0707SBL01	VY022947.D	07 Jul 2025 09:44	SY/MD	Ok
4	VY0707SBS01	VY022948.D	07 Jul 2025 10:17	SY/MD	Ok,M
5	VY0707SBSD01	VY022949.D	07 Jul 2025 10:40	SY/MD	Ok,M
6	Q2507-03	VY022950.D	07 Jul 2025 11:18	SY/MD	ReRun
7	Q2513-01	VY022951.D	07 Jul 2025 11:41	SY/MD	Ok
8	Q2513-03	VY022952.D	07 Jul 2025 12:04	SY/MD	Ok
9	Q2504-02	VY022953.D	07 Jul 2025 12:28	SY/MD	ReRun
10	Q2515-01	VY022954.D	07 Jul 2025 12:51	SY/MD	Ok,M
11	Q2487-07RE	VY022955.D	07 Jul 2025 13:15	SY/MD	Confirms
12	Q2487-08	VY022956.D	07 Jul 2025 13:38	SY/MD	Ok
13	Q2510-02	VY022957.D	07 Jul 2025 14:02	SY/MD	Ok,M
14	Q2484-01	VY022958.D	07 Jul 2025 14:25	SY/MD	Ok
15	Q2484-02	VY022959.D	07 Jul 2025 14:48	SY/MD	Ok
16	Q2484-03	VY022960.D	07 Jul 2025 15:12	SY/MD	Ok
17	Q2484-04	VY022961.D	07 Jul 2025 15:35	SY/MD	Ok
18	Q2484-05	VY022962.D	07 Jul 2025 15:59	SY/MD	ReRun
19	Q2484-06	VY022963.D	07 Jul 2025 16:22	SY/MD	Ok
20	Q2514-01	VY022964.D	07 Jul 2025 16:45	SY/MD	Ok
21	Q2514-02	VY022965.D	07 Jul 2025 17:09	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM		
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134656			
CCC		VP134657,VP134658			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2480-01	VY022966.D	07 Jul 2025 17:32	SY/MD	Ok
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M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070225

Review By	Maresh Dadoda	Review On	7/3/2025 3:08:26 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134605
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134608,VP134609 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022902.D	02 Jul 2025 08:51		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022903.D	02 Jul 2025 10:37	CCAL failed high for comp.#16	SY/MD	Ok,M
3	VY0702SBL01	VY0702SBL01	VY022904.D	02 Jul 2025 11:42		SY/MD	Ok
4	VY0702SBS01	VY0702SBS01	VY022905.D	02 Jul 2025 12:12		SY/MD	Ok,M
5	VY0702SBSD01	VY0702SBSD01	VY022906.D	02 Jul 2025 12:35		SY/MD	Ok,M
6	Q2469-03	WC-1-VOC	VY022907.D	02 Jul 2025 13:12	vial-A	SY/MD	Ok
7	Q2464-01	OR-3-063025	VY022908.D	02 Jul 2025 13:36	vial-A	SY/MD	Ok
8	Q2478-03	WC-1-VOC	VY022909.D	02 Jul 2025 13:59	vial-A	SY/MD	Ok
9	Q2475-01	SOIL-PILE	VY022910.D	02 Jul 2025 14:23	vial-A	SY/MD	Ok
10	Q2486-02	VOC	VY022911.D	02 Jul 2025 14:46	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2458-04	TP-67	VY022912.D	02 Jul 2025 15:09	vial-B	SY/MD	Ok
12	Q2458-06	TP-60	VY022913.D	02 Jul 2025 15:33	vial-A	SY/MD	Ok
13	Q2458-07	TP-62	VY022914.D	02 Jul 2025 15:56	vial-A	SY/MD	Ok
14	Q2458-08	TP-63	VY022915.D	02 Jul 2025 16:20	vial-A	SY/MD	Ok
15	Q2458-09	TP-59	VY022916.D	02 Jul 2025 16:43	vial-A CCC Failed High	SY/MD	ReRun
16	Q2473-01	PIT#1	VY022917.D	02 Jul 2025 17:07	vial-A	SY/MD	Ok
17	Q2473-02	PIT#2	VY022918.D	02 Jul 2025 17:30	vial-A	SY/MD	Ok
18	Q2473-03	PIT#3	VY022919.D	02 Jul 2025 17:53	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY070225

Review By	Mahesh Dadoda	Review On	7/3/2025 3:08:26 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/3/2025 3:13:05 PM		
SubDirectory	VY070225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134605			
CCC		VP134608,VP134609			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2473-04	PIT#4	VY022920.D	02 Jul 2025 18:17	vial-A Surrogate fail;CCC Failed High	SY/MD	ReRun
20	Q2487-01	G4(1.5)	VY022921.D	02 Jul 2025 18:40	vial-A CCC failed high	SY/MD	ReRun
21	Q2487-02	G4(10)	VY022922.D	02 Jul 2025 19:04	vial-A CCC failed high	SY/MD	ReRun
22	Q2487-03	G3(9)	VY022923.D	02 Jul 2025 19:27	vial-A CCC failed high	SY/MD	ReRun
23	Q2487-04	G3(3)	VY022924.D	02 Jul 2025 19:50	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
24	Q2487-05	G2(2.5)	VY022925.D	02 Jul 2025 20:14	vial-A Internal Standard Fail	SY/MD	ReRun
25	VIBLK	VIBLK	VY022926.D	02 Jul 2025 20:37		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022927.D	02 Jul 2025 21:23	Out of Tune	SY/MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070325

Review By	Mahesh Dadoda	Review On	7/7/2025 2:11:58 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/7/2025 2:15:30 PM
SubDirectory	VY070325	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134628
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134631,VP134632 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022928.D	03 Jul 2025 08:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022929.D	03 Jul 2025 09:26		SY/MD	Ok,M
3	VY0703SBL01	VY0703SBL01	VY022930.D	03 Jul 2025 09:57		SY/MD	Ok
4	VY0703SBS01	VY0703SBS01	VY022931.D	03 Jul 2025 10:29		SY/MD	Ok,M
5	VY0703SBSD01	VY0703SBSD01	VY022932.D	03 Jul 2025 10:52		SY/MD	Ok,M
6	Q2493-03	WC-11-VOC	VY022933.D	03 Jul 2025 11:29	vial-A	SY/MD	Ok
7	Q2491-01	EO-1-070225	VY022934.D	03 Jul 2025 11:53	vial-A	SY/MD	Ok
8	Q2486-02	VOC	VY022935.D	03 Jul 2025 12:16	vial-B	SY/MD	Ok
9	Q2473-04RE	PIT#4RE	VY022936.D	03 Jul 2025 12:39	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
10	Q2458-09	TP-59	VY022937.D	03 Jul 2025 13:03	vial-B	SY/MD	Ok
11	Q2487-01	G4(1.5)	VY022938.D	03 Jul 2025 13:26	vial-B	SY/MD	Ok
12	Q2487-02	G4(10)	VY022939.D	03 Jul 2025 13:50	vial-B	SY/MD	Ok
13	Q2487-03	G3(9)	VY022940.D	03 Jul 2025 14:13	vial-B	SY/MD	Ok
14	Q2487-04	G3(3)	VY022941.D	03 Jul 2025 14:36	vial-B	SY/MD	Ok
15	Q2487-05RE	G2(2.5)RE	VY022942.D	03 Jul 2025 15:00	vial-B Internal Standard Fail	SY/MD	Confirms
16	Q2487-06	G2(9)	VY022943.D	03 Jul 2025 15:23	vial-A	SY/MD	Ok
17	Q2487-07	G1(4.5)	VY022944.D	03 Jul 2025 15:47	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134656
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134657,VP134658 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022945.D	07 Jul 2025 08:36		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022946.D	07 Jul 2025 09:08		SY/MD	Ok,M
3	VY0707SBL01	VY0707SBL01	VY022947.D	07 Jul 2025 09:44		SY/MD	Ok
4	VY0707SBS01	VY0707SBS01	VY022948.D	07 Jul 2025 10:17	BS Failed High for com.#20	SY/MD	Ok,M
5	VY0707SBSD01	VY0707SBSD01	VY022949.D	07 Jul 2025 10:40	BSD Failed High for com.#20	SY/MD	Ok,M
6	Q2507-03	SU-04-7.3-2025-VOC	VY022950.D	07 Jul 2025 11:18	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2513-01	HR-2-070325	VY022951.D	07 Jul 2025 11:41	vial-A	SY/MD	Ok
8	Q2513-03	HR-3-070325	VY022952.D	07 Jul 2025 12:04	vial-A	SY/MD	Ok
9	Q2504-02	VOC	VY022953.D	07 Jul 2025 12:28	vial-A Internal Standard Fail;BS,BSD Failed High	SY/MD	ReRun
10	Q2515-01	wc-1	VY022954.D	07 Jul 2025 12:51	vial-A	SY/MD	Ok,M
11	Q2487-07RE	G1(4.5)RE	VY022955.D	07 Jul 2025 13:15	vial-B Internal standard fail	SY/MD	Confirms
12	Q2487-08	G1(10)	VY022956.D	07 Jul 2025 13:38	vial-A	SY/MD	Ok
13	Q2510-02	#63025-A-VOC	VY022957.D	07 Jul 2025 14:02	vial-A	SY/MD	Ok,M
14	Q2484-01	TP-58	VY022958.D	07 Jul 2025 14:25	vial-A	SY/MD	Ok
15	Q2484-02	TP-57	VY022959.D	07 Jul 2025 14:48	vial-A	SY/MD	Ok
16	Q2484-03	TP-64	VY022960.D	07 Jul 2025 15:12	vial-A	SY/MD	Ok
17	Q2484-04	TP-107	VY022961.D	07 Jul 2025 15:35	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM		
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134656			
CCC		VP134657,VP134658			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2484-05	TP-106	VY022962.D	07 Jul 2025 15:59	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
19	Q2484-06	TP-104	VY022963.D	07 Jul 2025 16:22	vial-A	SY/MD	Ok
20	Q2514-01	TP-92	VY022964.D	07 Jul 2025 16:45	vial-A	SY/MD	Ok
21	Q2514-02	TP-93	VY022965.D	07 Jul 2025 17:09	vial-A	SY/MD	Ok
22	Q2480-01	GPX1	VY022966.D	07 Jul 2025 17:32	vial-A	SY/MD	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

136368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136318

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/03/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: JDCSM

Date/Time

07/03/25

Raw Sample Received by:

JDCSM

Raw Sample Relinquished by:



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Walsh Construction
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Benie Dion Gokan
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shafts 17B-18B
PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD TAT 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 _____

Handwritten notes:
1. TOL VOCs + TICs
2. TOL SVOCs + TICs
3. TOL VOCs + TICs
4. TOL VOCs + TICs
5. TOL VOCs + TICs
6. TOL VOCs + TICs
7. TOL VOCs + TICs
8. TOL VOCs + TICs
9. TOL VOCs + TICs
10. TOL VOCs + TICs
*See add'l analytes in comments

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		F+E	E	E	E	E	E	E	E	E	Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER (note)	
1.	G3 (0-6)	Soil	X		7/1/25	1235	7		X	X	X	X	X	X	X	X	7 x 8 oz jars	
2.	G3 (6-12)					1245												
3.	G2 (0-6)					1350												
4.	G2 (6-12)					1400												
5.	G1 (0-6)					1410												
6.	G1 (6-12)					1420												
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 <u>3.5</u> °C
1. <u>[Signature]</u>	<u>7/1/25 1600</u>	1. <u>Benie Dion Gokan</u>	Comments: <u>Full analyte list in B. Gokan email on 6/26/25 to J. Heavast</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	<u>See Bottle Order #B2506068 & B2506069</u>
2. <u>Benie Dion Gokan</u>	<u>7-1-25</u>	2. <u>[Signature]</u>	<u>Add'l analyses - Point Filter, Organic Content by LOI, TS, TVS,</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	<u>Ammonia & Nitrogen, COD, Oil & Grease</u>
3. <u>[Signature]</u>		3. <u>[Signature]</u>	CLIENT: ☐ Hand Delivered ☐ Other
			Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487 WALS01

Order Date : 7/2/2025 10:05:00 AM

Project Mgr :

Client Name : Walsh Construction Compai

Project Name : Construction of Shafts 17B-

Report Type : Level 2

Client Contact : Jesse A. Sylvestri

Receive DateTime : 7/1/2025 4:00:00 PM

EDD Type : Excel NY

Invoice Name : Walsh Construction Compai

Purchase Order :

Hard Copy Date :

Invoice Contact : Jesse A. Sylvestri

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2487-01	G4(1.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-02	G4(10)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-03	G3(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-04	G3(3)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-05	G2(2.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-06	G2(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-07	G1(4.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-08	G1(10)	Solid	07/01/2025	10:25					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487	WALS01	Order Date : 7/2/2025 10:05:00 AM	Project Mgr :
Client Name : Walsh Construction Compai		Project Name : Construction of Shafts 17B-	Report Type : Level 2
Client Contact : Jesse A. Sylvestri		Receive DateTime : 7/1/2025 4:00:00 PM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compai		Purchase Order :	Hard Copy Date :
Invoice Contact : Jesse A. Sylvestri			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

CH
7/2/25 15:45

Received By :

Date / Time :

Sam
07/02/25 15:45 *2848*
132

Storage Area : VOA Refridgerator Room