

Cover Page

Order ID : P4385

Project ID : Robbinsville

Client : Scheideler Excavating Co. Inc.

Lab Sample Number

P4385-01
P4385-02
P4385-03
P4385-04
P4385-05
P4385-06
P4385-07
P4385-08
P4385-09
P4385-10
P4385-11
P4385-12
P4385-13
P4385-14
P4385-15
P4385-16
P4385-17
P4385-18
P4385-19
P4385-20

Client Sample Number

SP-1
SP-1
SP-2
SP-2
SP-3
SP-3
SP-4
SP-4
SP-5
SP-5
SP-6
SP-6
SP-7
SP-7
SP-8
SP-8
SP-9
SP-9
SP-10
SP-10

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: 10/18/2024

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 #: P4385

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 Custody

✓

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: PRIYANKA DAVE

Date: 10/18/2024

LAB CHRONICLE

OrderID:	P4385	OrderDate:	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	Project:	Robbinsville
Contact:	Jim Scheideler	Location:	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-01	SP-1	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-03	SP-2	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-05	SP-3	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-07	SP-4	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-09	SP-5	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-11	SP-6	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/14/24	10/10/24
P4385-13	SP-7	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/14/24	10/10/24
P4385-15	SP-8	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-17	SP-9	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24
P4385-19	SP-10	SOIL	VOC-TCLVOA-10	8260D	10/10/24		10/11/24	10/10/24

Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P4385-03	SP-2 SP-2	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	9.30	J	0	0	ug/Kg
			Total Tics :	9.30				
			Total Concentration:	9.30				
Client ID: P4385-05	SP-3 SP-3	SOIL	Benzeneethanamine, N-[(pentai *	6.50	J	0	0	ug/Kg
			Total Tics :	6.50				
			Total Concentration:	6.50				
Client ID: P4385-09	SP-5 SP-5	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	8.90	J	0	0	ug/Kg
			Total Tics :	8.90				
			Total Concentration:	8.90				
Client ID: P4385-17	SP-9 SP-9	SOIL	D-Limonene *	6.10	J	0	0	ug/Kg
P4385-17	SP-9	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	9.90	J	0	0	ug/Kg
			Total Tics :	16.0				
			Total Concentration:	16.0				



QC SUMMARY

Surrogate Summary

SDG No.: **P4385**

Client: **Scheideler Excavating Co. Inc.**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4385-01	SP-1	1,2-Dichloroethane-d4	50	56.0	112	70 (50)	130 (163)
		Dibromofluoromethane	50	49.4	99	70 (54)	130 (147)
		Toluene-d8	50	50.3	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.9	86	70 (29)	130 (146)
P4385-03	SP-2	1,2-Dichloroethane-d4	50	55.7	111	70 (50)	130 (163)
		Dibromofluoromethane	50	49.3	99	70 (54)	130 (147)
		Toluene-d8	50	49.7	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.0	84	70 (29)	130 (146)
P4385-05	SP-3	1,2-Dichloroethane-d4	50	55.0	110	70 (50)	130 (163)
		Dibromofluoromethane	50	49.0	98	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.7	83	70 (29)	130 (146)
P4385-07	SP-4	1,2-Dichloroethane-d4	50	52.7	105	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	49.5	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.3	83	70 (29)	130 (146)
P4385-09	SP-5	1,2-Dichloroethane-d4	50	56.8	114	70 (50)	130 (163)
		Dibromofluoromethane	50	49.9	100	70 (54)	130 (147)
		Toluene-d8	50	50.5	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.3	88	70 (29)	130 (146)
P4385-11	SP-6	1,2-Dichloroethane-d4	50	57.0	114	70 (50)	130 (163)
		Dibromofluoromethane	50	50.3	101	70 (54)	130 (147)
		Toluene-d8	50	50.2	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.7	87	70 (29)	130 (146)
P4385-13	SP-7	1,2-Dichloroethane-d4	50	58.8	118	70 (50)	130 (163)
		Dibromofluoromethane	50	50.1	100	70 (54)	130 (147)
		Toluene-d8	50	50.3	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.4	87	70 (29)	130 (146)
P4385-15	SP-8	1,2-Dichloroethane-d4	50	54.3	109	70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99	70 (54)	130 (147)
		Toluene-d8	50	49.3	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.8	84	70 (29)	130 (146)
P4385-17	SP-9	1,2-Dichloroethane-d4	50	59.6	119	70 (50)	130 (163)
		Dibromofluoromethane	50	50.0	100	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.0	88	70 (29)	130 (146)
P4385-19	SP-10	1,2-Dichloroethane-d4	50	59.3	119	70 (50)	130 (163)
		Dibromofluoromethane	50	50.3	101	70 (54)	130 (147)
		Toluene-d8	50	50.5	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.5	87	70 (29)	130 (146)
VY1011SBL01	VY1011SBL01	1,2-Dichloroethane-d4	50	51.9	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	49.5	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.9	82	70 (29)	130 (146)
VY1011SBS01	VY1011SBS01	1,2-Dichloroethane-d4	50	48.8	98	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	48.8	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.5	95	70 (29)	130 (146)
VY1011SBSD01	VY1011SBSD01	1,2-Dichloroethane-d4	50	52.3	105	70 (50)	130 (163)
		Dibromofluoromethane	50	52.2	104	70 (54)	130 (147)

Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VY1011SBSD01	VY1011SBSD01	Toluene-d8	50	51.5	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.8	102	70 (29)	130 (146)
VY1014SBL01	VY1014SBL01	1,2-Dichloroethane-d4	50	52.0	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.2	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.3	81	70 (29)	130 (146)
VY1014SBS01	VY1014SBS01	1,2-Dichloroethane-d4	50	55.1	110	70 (50)	130 (163)
		Dibromofluoromethane	50	55.0	110	70 (54)	130 (147)
		Toluene-d8	50	52.7	105	70 (58)	130 (134)
		4-Bromofluorobenzene	50	53.3	107	70 (29)	130 (146)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Datafile : VY019864.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1011SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			40 (64)	160 (136)	
	Chloromethane	20	20.0	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.9	ug/Kg	100			40 (58)	160 (141)	
	Chloroethane	20	19.4	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.2	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	100	ug/Kg	100			40 (60)	160 (131)	
	Carbon disulfide	20	17.6	ug/Kg	88			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	19.6	ug/Kg	98			70 (69)	130 (149)	
	Methylene Chloride	20	20.5	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.9	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.7	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (82)	130 (123)	
	Bromochloromethane	20	19.9	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	20.4	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.4	ug/Kg	92			70 (77)	130 (123)	
	Benzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	Bromodichloromethane	20	20.1	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.5	ug/Kg	99			40 (70)	160 (135)	
	Toluene	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.6	ug/Kg	93			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	18.9	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	19.1	ug/Kg	96			70 (83)	130 (125)	
	Chlorobenzene	20	19.4	ug/Kg	97			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	38.5	ug/Kg	96			70 (83)	130 (124)	
	o-Xylene	20	19.3	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	18.9	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	20	19.6	ug/Kg	98			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Datafile : VY019864.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1011SBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/Kg	93			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Datafile : VY019865.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1011SBSD01	Dichlorodifluoromethane	20	19.6	ug/Kg	98	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.0	ug/Kg	100	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.7	ug/Kg	99	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.3	ug/Kg	102	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.7	ug/Kg	99	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.0	ug/Kg	100	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	2		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	17.9	ug/Kg	90	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.0	ug/Kg	105	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.0	ug/Kg	110	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.9	ug/Kg	104	5		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.0	ug/Kg	95	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.4	ug/Kg	97	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.0	ug/Kg	110	10		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.7	ug/Kg	94	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.0	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.1	ug/Kg	96	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.1	ug/Kg	101	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.7	ug/Kg	104	3		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	11		40 (70)	160 (135)	30 (20)
	Toluene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	5		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.6	ug/Kg	98	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	19.3	ug/Kg	97	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.4	ug/Kg	102	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.4	ug/Kg	102	3		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.1	ug/Kg	100	4		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.4	ug/Kg	102	5		70 (83)	130 (123)	30 (20)
	Styrene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.4	ug/Kg	102	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.9	ug/Kg	100	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	6		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	3		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385
Client: Scheideler Excavating Co. Inc.
Analytical Method: SW8260D **Datafile :** VY019865.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1011SBSD01	1,2-Dibromo-3-Chloropropane	20	21.3	ug/Kg	106	13		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96	1		70 (70)	130 (137)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Datafile : VY019884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1014SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.6	ug/Kg	98			40 (58)	160 (141)	
	Chloroethane	20	19.1	ug/Kg	96			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.9	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.0	ug/Kg	90			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	15.6	ug/Kg	78			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	22.5	ug/Kg	113			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Cyclohexane	20	18.0	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	22.5	ug/Kg	113			70 (80)	130 (127)	
	Chloroform	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	17.5	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.2	ug/Kg	96			70 (80)	130 (125)	
	Tetrachloroethene	20	17.8	ug/Kg	89			70 (83)	130 (125)	
	Chlorobenzene	20	19.6	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	m/p-Xylenes	40	38.2	ug/Kg	96			70 (83)	130 (124)	
	o-Xylene	20	19.4	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.0	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385
Client: Scheideler Excavating Co. Inc.
Analytical Method: SW8260D **Datafile :** VY019884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1014SBS01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1011SBL01

Lab Name: CHEMTECH

Contract: SCHE03

Lab Code: CHEM Case No.: P4385

SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019863.D

Lab Sample ID: VY1011SBL01

Date Analyzed: 10/11/2024

Time Analyzed: 10:42

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
VY1011SBS01	VY1011SBS01	VY019864.D	10/11/2024
VY1011SBSD01	VY1011SBSD01	VY019865.D	10/11/2024
SP-1	P4385-01	VY019870.D	10/11/2024
SP-2	P4385-03	VY019871.D	10/11/2024
SP-3	P4385-05	VY019872.D	10/11/2024
SP-4	P4385-07	VY019873.D	10/11/2024
SP-5	P4385-09	VY019874.D	10/11/2024
SP-8	P4385-15	VY019877.D	10/11/2024
SP-9	P4385-17	VY019878.D	10/11/2024
SP-10	P4385-19	VY019879.D	10/11/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1014SBL01

Lab Name: CHEMTECH

Contract: SCHE03

Lab Code: CHEM Case No.: P4385

SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019883.D

Lab Sample ID: VY1014SBL01

Date Analyzed: 10/14/2024

Time Analyzed: 10:31

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
VY1014SBS01	VY1014SBS01	VY019884.D	10/14/2024
SP-6	P4385-11	VY019887.D	10/14/2024
SP-7	P4385-13	VY019888.D	10/14/2024

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03
Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
Lab File ID: VY019826.D BFB Injection Date: 10/09/2024
Instrument ID: MSVOA_Y BFB Injection Time: 09:33
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	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY019827.D	10/09/2024	10:18
VSTDIC010	VSTDIC010	VY019828.D	10/09/2024	10:41
VSTDIC020	VSTDIC020	VY019829.D	10/09/2024	11:04
VSTDIC050	VSTDIC050	VY019830.D	10/09/2024	11:26
VSTDIC100	VSTDIC100	VY019831.D	10/09/2024	11:49
VSTDIC150	VSTDIC150	VY019832.D	10/09/2024	12:11



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03
Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
Lab File ID: VY019861.D BFB Injection Date: 10/11/2024
Instrument ID: MSVOA_Y BFB Injection Time: 08:22
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	22.2
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.2 (97.1) 1
177	5.0 - 9.0% of mass 176	4.7 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019862.D	10/11/2024	10:11
VY1011SBL01	VY1011SBL01	VY019863.D	10/11/2024	10:42
VY1011SBS01	VY1011SBS01	VY019864.D	10/11/2024	11:14
VY1011SBSD01	VY1011SBSD01	VY019865.D	10/11/2024	11:37
SP-1	P4385-01	VY019870.D	10/11/2024	14:37
SP-2	P4385-03	VY019871.D	10/11/2024	15:01
SP-3	P4385-05	VY019872.D	10/11/2024	15:24
SP-4	P4385-07	VY019873.D	10/11/2024	15:48
SP-5	P4385-09	VY019874.D	10/11/2024	16:11
SP-8	P4385-15	VY019877.D	10/11/2024	17:21
SP-9	P4385-17	VY019878.D	10/11/2024	17:45
SP-10	P4385-19	VY019879.D	10/11/2024	18:08



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03
Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
Lab File ID: VY019881.D BFB Injection Date: 10/14/2024
Instrument ID: MSVOA_Y BFB Injection Time: 09:19
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	23.1
75	30.0 - 60.0% of mass 95	55.4
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 (1.2) 1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	72.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019882.D	10/14/2024	09:52
VY1014SBL01	VY1014SBL01	VY019883.D	10/14/2024	10:31
VY1014SBS01	VY1014SBS01	VY019884.D	10/14/2024	11:56
SP-6	P4385-11	VY019887.D	10/14/2024	13:21
SP-7	P4385-13	VY019888.D	10/14/2024	13:45

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCHE03
Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
Lab File ID: VY019862.D Date Analyzed: 10/11/2024
Instrument ID: MSVOA_Y Time Analyzed: 10:11
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	363226	7.71	627324	8.62	533709	11.42
UPPER LIMIT	726452	8.213	1254650	9.122	1067420	11.92
LOWER LIMIT	181613	7.213	313662	8.122	266855	10.92
EPA SAMPLE NO.						
SP-1	262732	7.71	539484	8.62	489774	11.41
SP-2	268677	7.71	543592	8.62	485475	11.41
SP-3	233935	7.71	466040	8.62	405476	11.41
SP-4	244456	7.71	504549	8.62	447198	11.41
SP-5	253962	7.71	518599	8.62	474536	11.41
SP-8	248032	7.71	496793	8.62	438194	11.41
SP-9	253892	7.71	530815	8.62	485576	11.41
SP-10	251214	7.71	513613	8.62	467887	11.41
VY1011SBL01	302283	7.71	606631	8.62	532786	11.41
VY1011SBS01	341955	7.71	599010	8.62	509876	11.41
VY1011SBSD01	317435	7.71	562573	8.62	470630	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: CHEMTECH Contract: SCHE03
Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
Lab File ID: VY019862.D Date Analyzed: 10/11/2024
Instrument ID: MSVOA_Y Time Analyzed: 10:11
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	247612	13.346				
UPPER LIMIT	495224	13.846				
LOWER LIMIT	123806	12.846				
EPA SAMPLE NO.						
SP-1	182418	13.35				
SP-2	173582	13.35				
SP-3	148777	13.35				
SP-4	157772	13.35				
SP-5	175004	13.35				
SP-8	154054	13.35				
SP-9	181975	13.35				
SP-10	170163	13.35				
VY1011SBL01	181683	13.35				
VY1011SBS01	243672	13.35				
VY1011SBSD01	227990	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: CHEMTECH Contract: SCHE03
 Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
 Lab File ID: VY019882.D Date Analyzed: 10/14/2024
 Instrument ID: MSVOA_Y Time Analyzed: 09:52
 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	286716	7.71	498763	8.62	439404	11.41
UPPER LIMIT	573432	8.207	997526	9.116	878808	11.914
LOWER LIMIT	143358	7.207	249382	8.116	219702	10.914
EPA SAMPLE NO.						
SP-6	255373	7.71	522145	8.62	475654	11.41
SP-7	246979	7.71	513227	8.62	465047	11.41
VY1014SBL01	272092	7.71	541333	8.62	470368	11.41
VY1014SBS01	286988	7.71	511012	8.62	442973	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: CHEMTECH Contract: SCHE03
 Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385
 Lab File ID: VY019882.D Date Analyzed: 10/14/2024
 Instrument ID: MSVOA_Y Time Analyzed: 09:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	212252	13.347				
UPPER LIMIT	424504	13.847				
LOWER LIMIT	106126	12.847				
EPA SAMPLE NO.						
SP-6	169983	13.35				
SP-7	168651	13.35				
VY1014SBL01	156619	13.35				
VY1014SBS01	215154	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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.60	U	2.60	7.90	ug/Kg
74-87-3	Chloromethane	1.80	U	1.80	7.90	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.90	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.90	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	7.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	7.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1.70	7.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	7.90	ug/Kg
67-64-1	Acetone	9.80	U	9.80	39.3	ug/Kg
75-15-0	Carbon Disulfide	2.00	U	2.00	7.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.90	ug/Kg
79-20-9	Methyl Acetate	2.80	U	2.80	7.90	ug/Kg
75-09-2	Methylene Chloride	5.40	U	5.40	15.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	7.90	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.90	ug/Kg
78-93-3	2-Butanone	8.90	U	8.90	39.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.96	U	0.96	7.90	ug/Kg
74-97-5	Bromochloromethane	3.80	U	3.80	7.90	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	7.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.90	ug/Kg
108-87-2	Methylcyclohexane	1.40	U	1.40	7.90	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.96	U	0.96	7.90	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	7.90	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	7.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.80	U	6.80	39.3	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.90	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	7.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.90	7.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.90	ug/Kg
591-78-6	2-Hexanone	7.50	U	7.50	39.3	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	7.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.90	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	7.90	ug/Kg
108-90-7	Chlorobenzene	1.20	U	1.20	7.90	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.90	ug/Kg
179601-23-1	m/p-Xylenes	2.10	U	2.10	15.7	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	7.90	ug/Kg
100-42-5	Styrene	0.94	U	0.94	7.90	ug/Kg
75-25-2	Bromoform	1.30	U	1.30	7.90	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	7.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	7.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.93	U	0.93	7.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	2.50	7.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	7.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	7.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		70 (50) - 130 (163)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		70 (29) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	7.707			
540-36-3	1,4-Difluorobenzene	539000	8.616			
3114-55-4	Chlorobenzene-d5	490000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

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\VY101124\
 Data File : VY019870.D
 Acq On : 11 Oct 2024 14:37
 Operator : SY/MD
 Sample : P4385-01
 Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Oct 14 01:47:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	262732	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	539484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	489774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	182418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181065	55.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.940%
35) Dibromofluoromethane	7.634	113	175949	49.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.103	98	661208	50.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.401	95	203716	42.885	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.780%

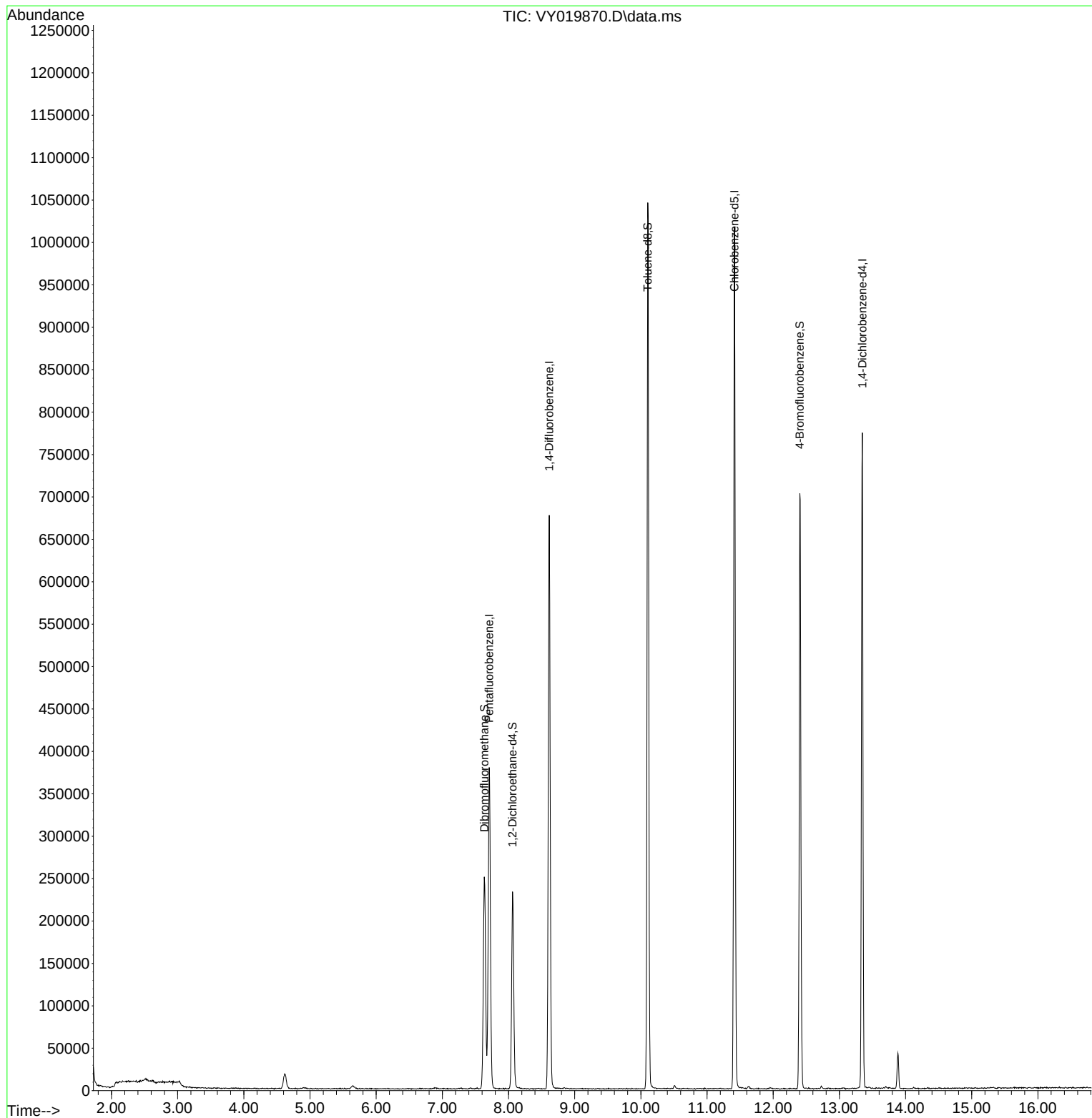
Target Compounds	Qvalue

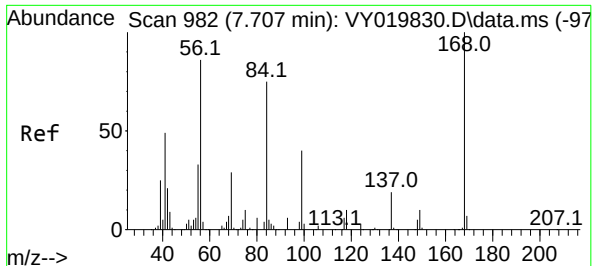
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019870.D
Acq On : 11 Oct 2024 14:37
Operator : SY/MD
Sample : P4385-01
Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Time: Oct 14 01:47:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

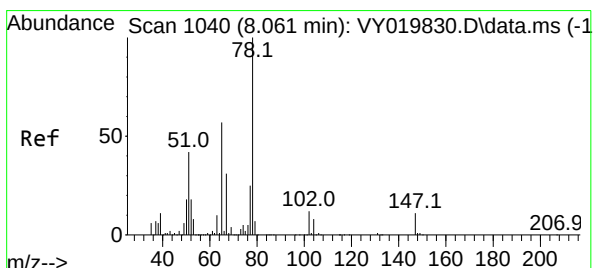
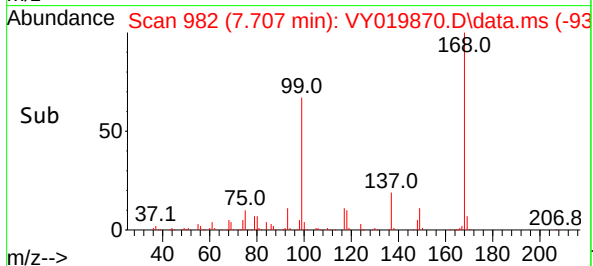
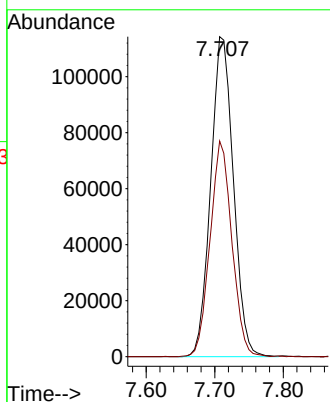
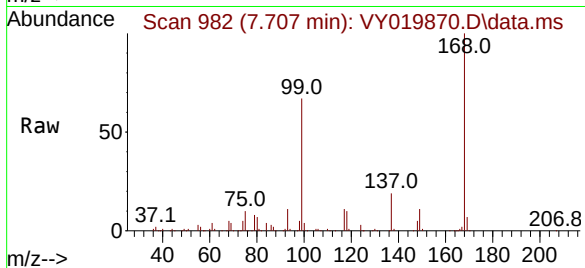




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019870.D
Acq: 11 Oct 2024 14:37

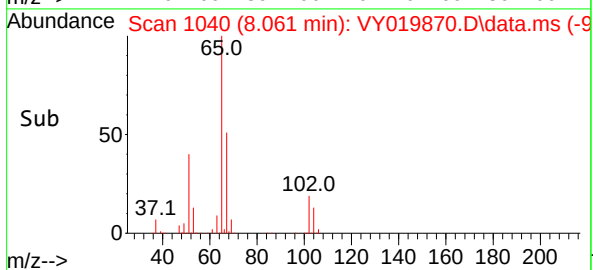
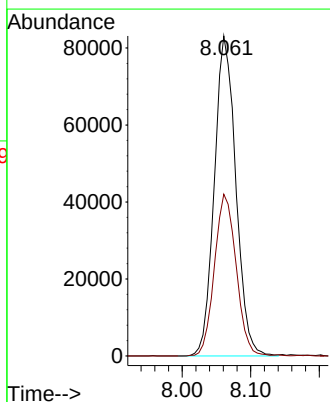
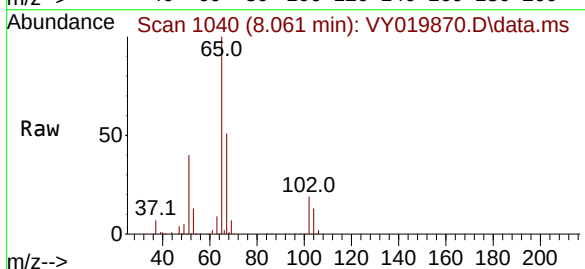
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

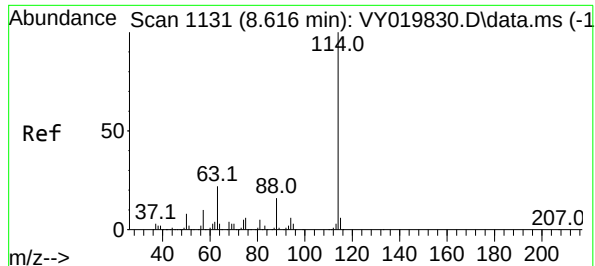
Tgt Ion:168 Resp: 262732
Ion Ratio Lower Upper
168 100
99 67.4 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 55.971 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019870.D
Acq: 11 Oct 2024 14:37

Tgt Ion: 65 Resp: 181065
Ion Ratio Lower Upper
65 100
67 51.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

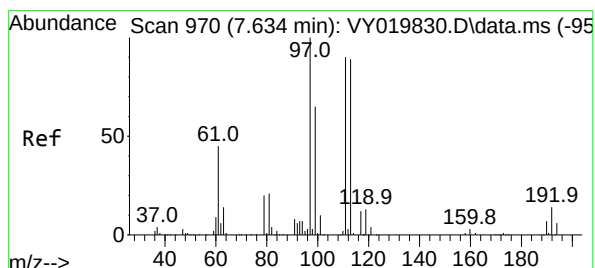
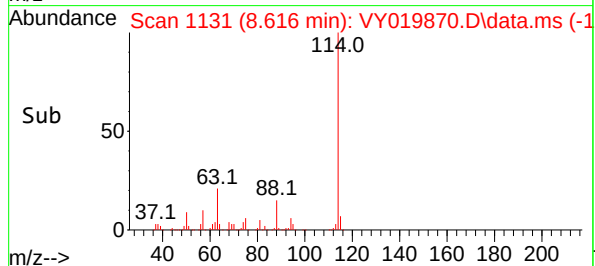
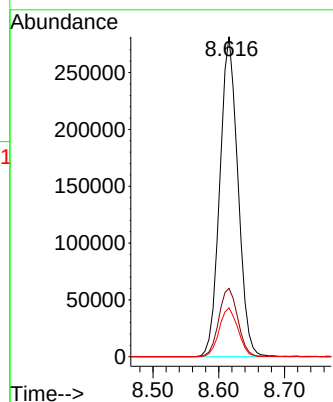
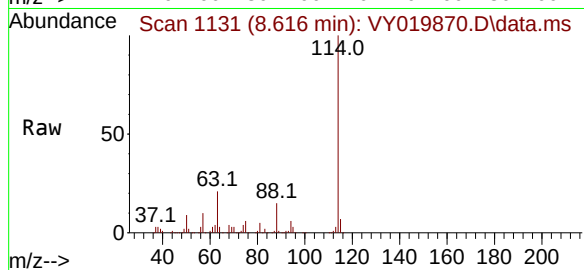
Tgt Ion:114 Resp: 539484

Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 15.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.424 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

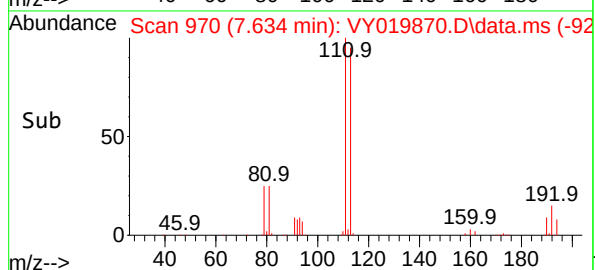
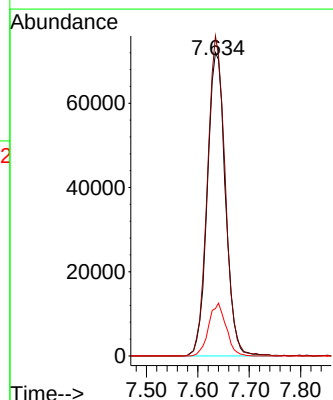
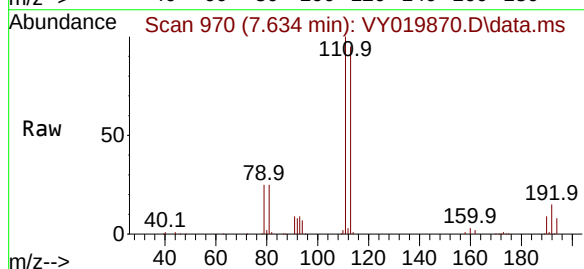
Tgt Ion:113 Resp: 175949

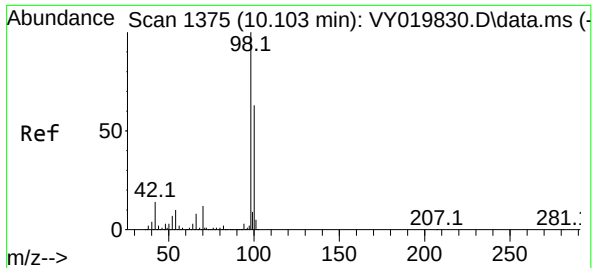
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 16.8 15.9 23.9





#50

Toluene-d8

Concen: 50.295 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :

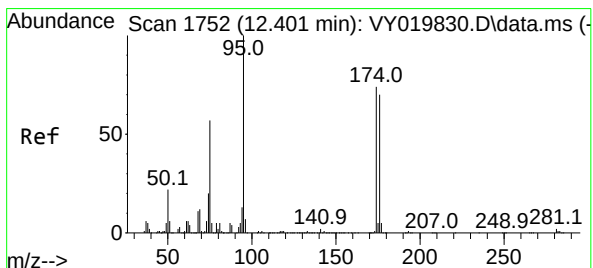
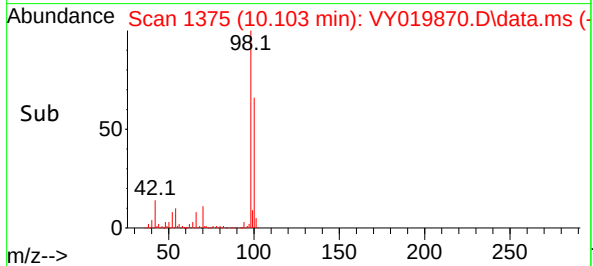
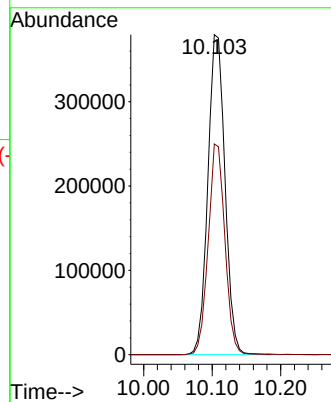
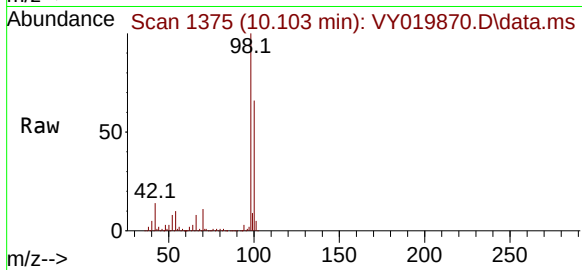
SP-1

Tgt Ion: 98 Resp: 661208

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.885 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

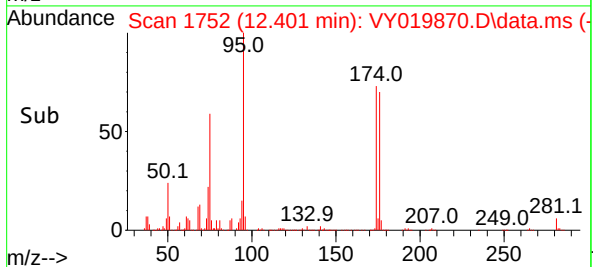
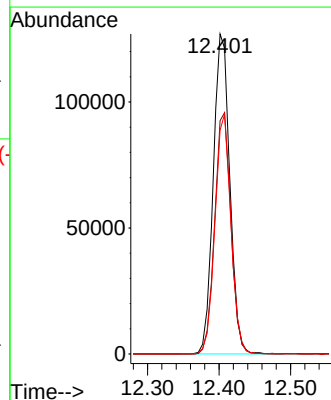
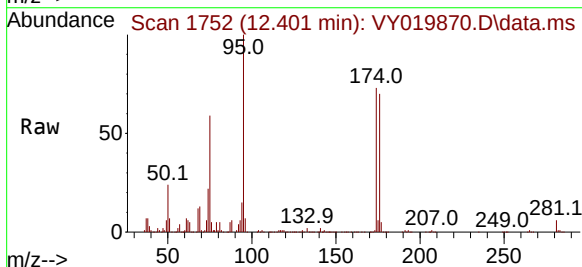
Tgt Ion: 95 Resp: 203716

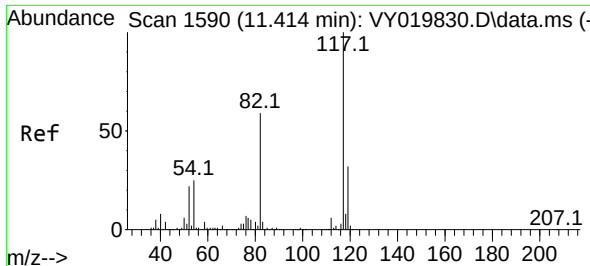
Ion Ratio Lower Upper

95 100

174 74.2 0.0 175.6

176 72.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

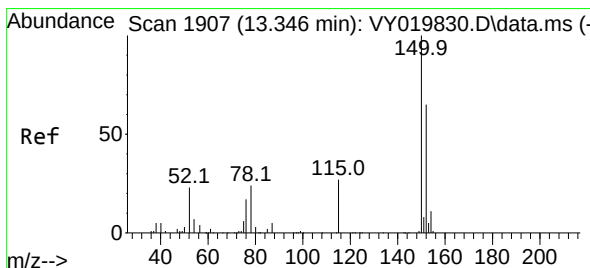
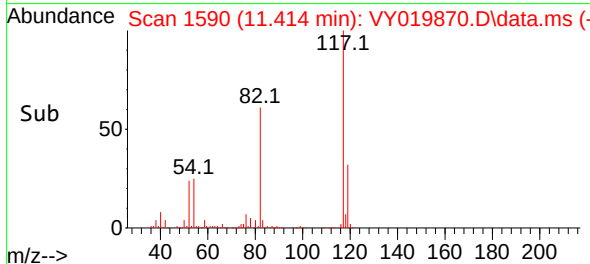
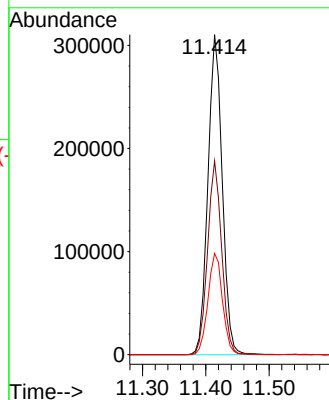
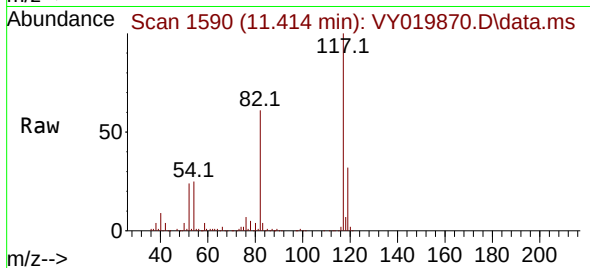
Tgt Ion:117 Resp: 489774

Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019870.D

Acq: 11 Oct 2024 14:37

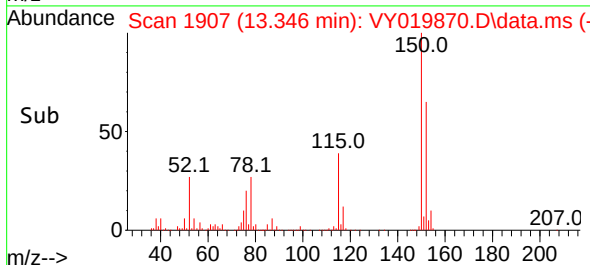
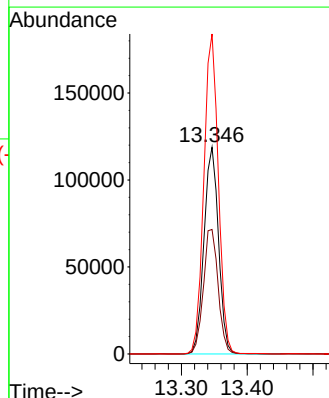
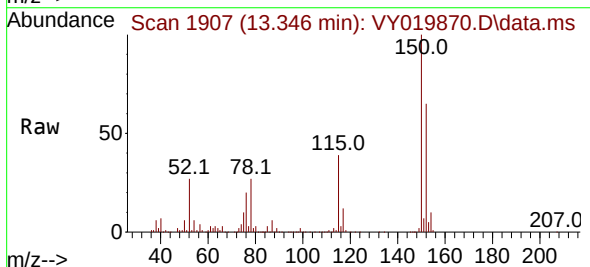
Tgt Ion:152 Resp: 182418

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 154.5 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019870.D
Acq On : 11 Oct 2024 14:37
Operator : SY/MD
Sample : P4385-01
Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019870.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	485	rBV2	17606	56290	3.09%	0.605%
2	7.634	956	970	976	rBV2	250149	599988	32.90%	6.452%
3	7.707	976	982	995	rVB	378391	865138	47.45%	9.304%
4	8.061	1031	1040	1052	rBV	232585	515226	28.26%	5.541%
5	8.616	1122	1131	1147	rBV	676365	1331437	73.02%	14.318%
6	10.103	1367	1375	1392	rBV	1044859	1823402	100.00%	19.609%
7	11.414	1582	1590	1599	rBV	1016197	1608747	88.23%	17.301%
8	12.401	1745	1752	1765	rBV2	701965	1211685	66.45%	13.031%
9	13.346	1891	1907	1914	rBV	773419	1217304	66.76%	13.091%
10	13.883	1988	1995	2001	rBV2	41753	69543	3.81%	0.748%

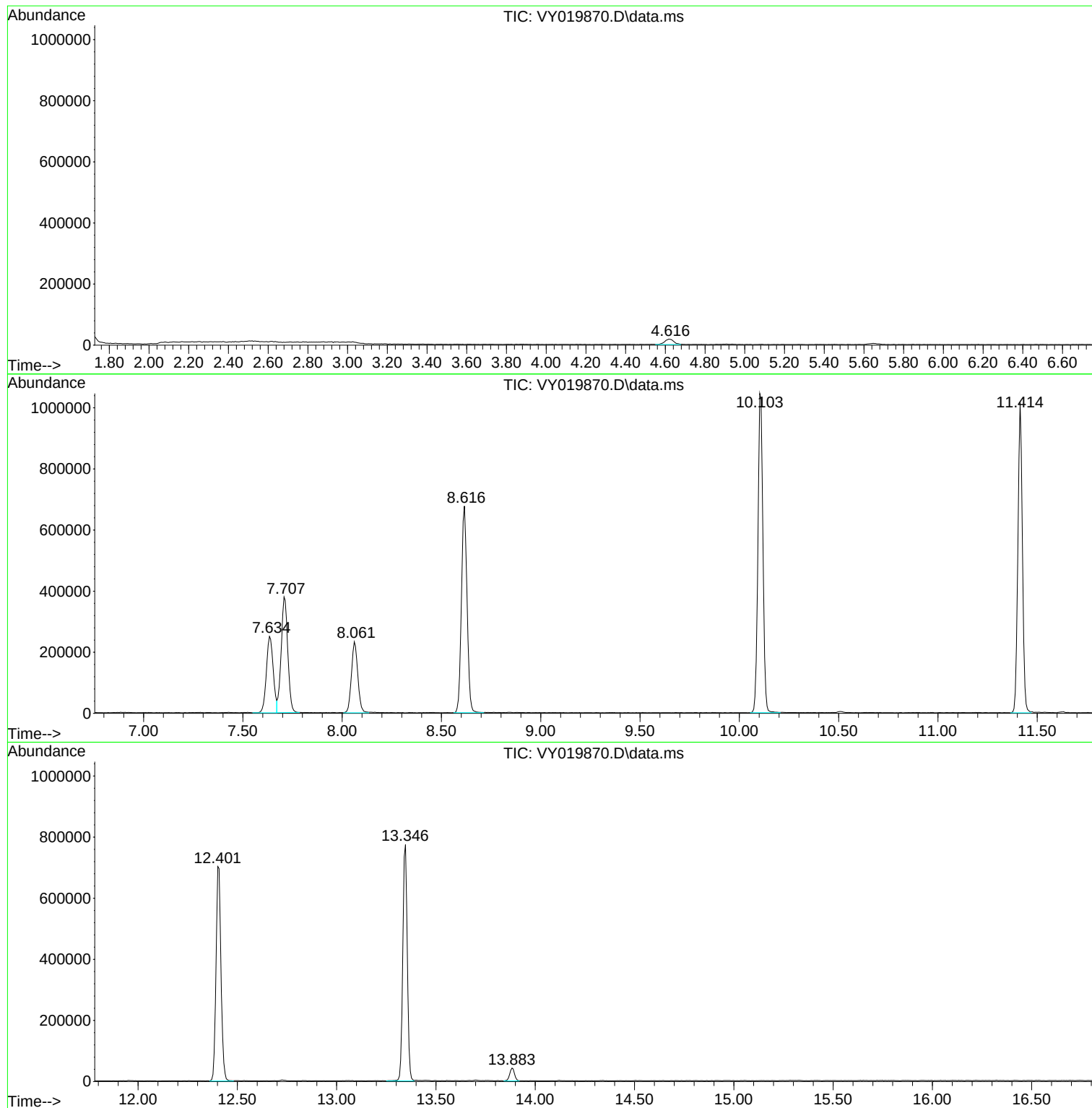
Sum of corrected areas: 9298760

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019870.D
Acq On : 11 Oct 2024 14:37
Operator : SY/MD
Sample : P4385-01
Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019870.D
Acq On : 11 Oct 2024 14:37
Operator : SY/MD
Sample : P4385-01
Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101124\
Data File : VY019870.D
Acq On : 11 Oct 2024 14:37
Operator : SY/MD
Sample : P4385-01
Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.47 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	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	0.76	U	0.76	4.80	ug/Kg
67-64-1	Acetone	6.00	U	6.00	24.2	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.80	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.80	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	4.80	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.80	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	24.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.80	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.80	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.84	U	0.84	4.80	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	4.80	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.64	U	0.64	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.54	U	0.54	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	24.2	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.80	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-2			SDG No.:	P4385
Lab Sample ID:	P4385-03			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	94.4
Sample Wt/Vol:	5.47	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	4.80	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	24.2	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.80	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.80	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.70	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.80	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.80	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.77	U	0.77	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.57	U	0.57	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.76	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.7	70 (50) - 130 (163)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3	70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7	70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0	70 (29) - 130 (146)	84%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	269000	7.713
540-36-3	1,4-Difluorobenzene	544000	8.616
3114-55-4	Chlorobenzene-d5	485000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.47 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.30	J		13.9	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\VY101124\
 Data File : VY019871.D
 Acq On : 11 Oct 2024 15:01
 Operator : SY/MD
 Sample : P4385-03
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-2

Quant Time: Oct 14 01:47:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	268677	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	543592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	485475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	173582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	184216	55.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.360%
35) Dibromofluoromethane	7.634	113	176725	49.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.540%
50) Toluene-d8	10.109	98	658865	49.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.402	95	200806	41.953	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	83.900%

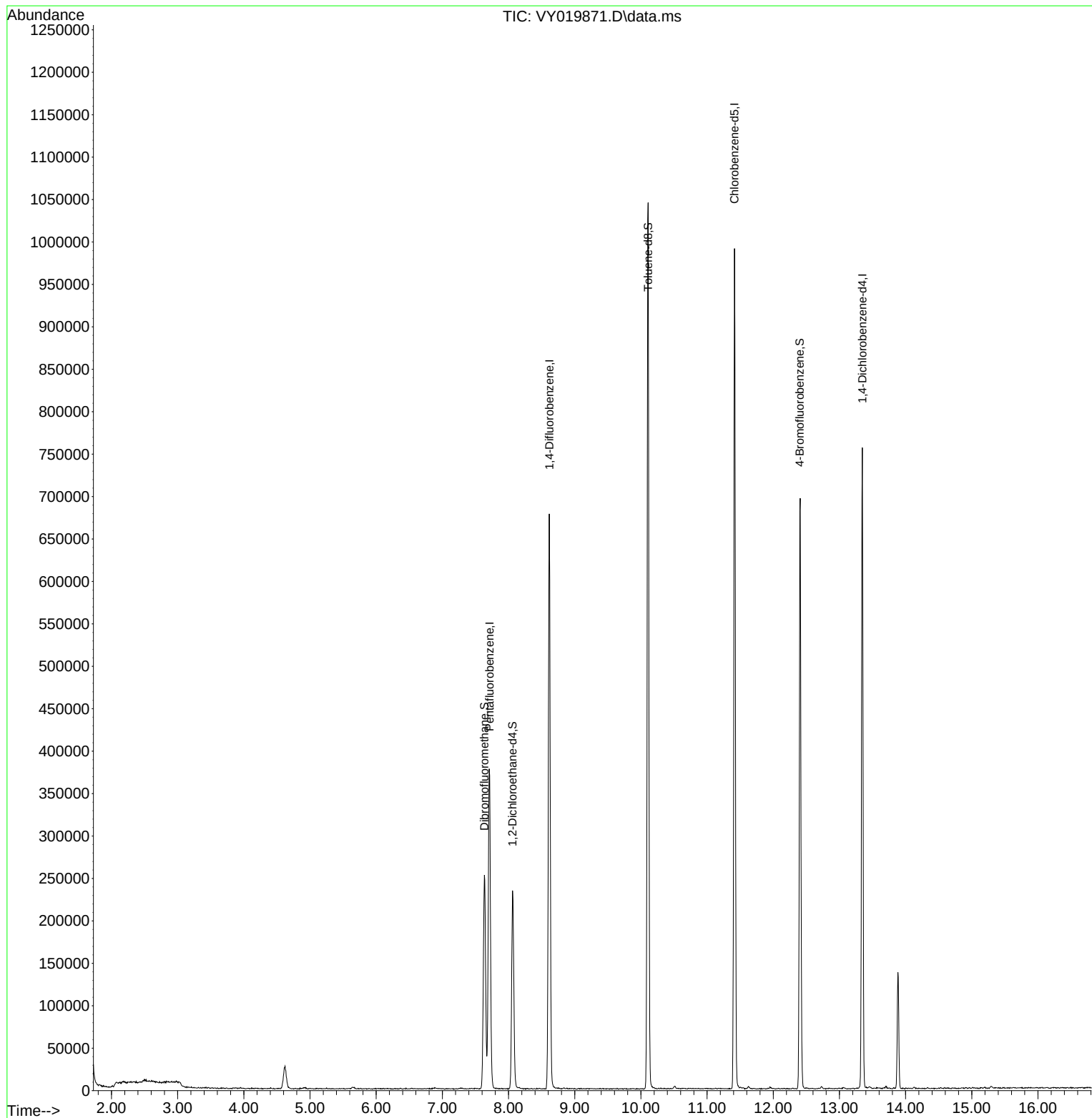
Target Compounds	Qvalue

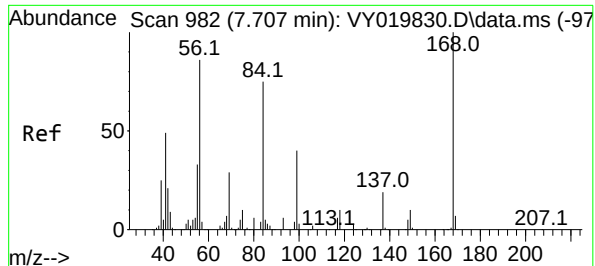
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019871.D
Acq On : 11 Oct 2024 15:01
Operator : SY/MD
Sample : P4385-03
Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-2

Quant Time: Oct 14 01:47:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

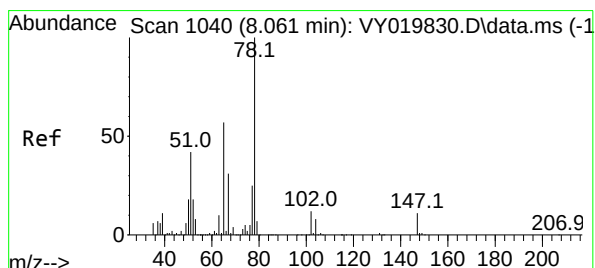
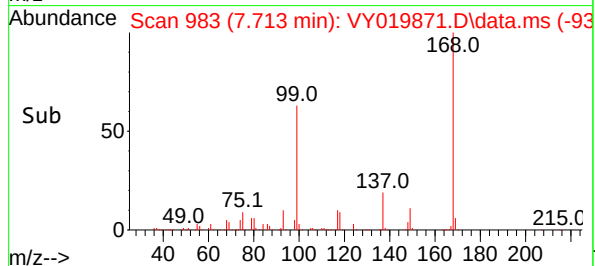
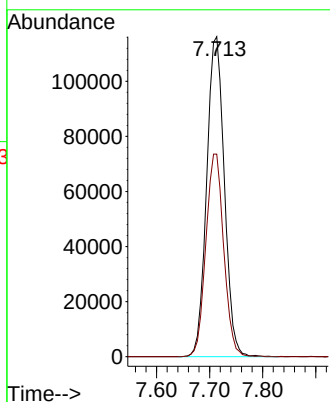
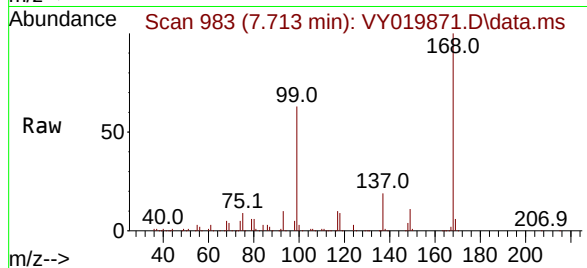




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019871.D
Acq: 11 Oct 2024 15:01

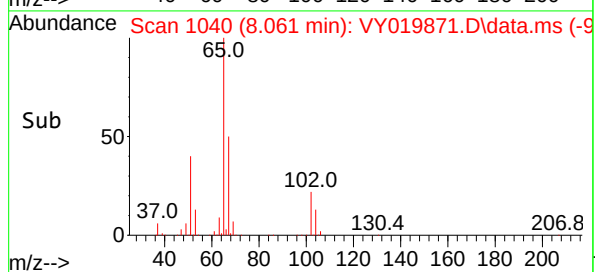
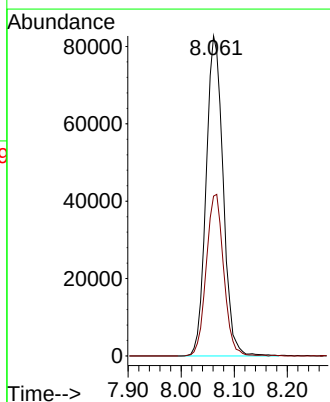
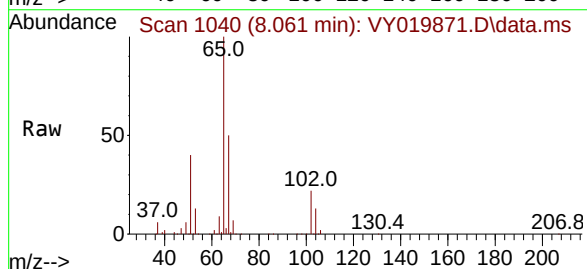
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

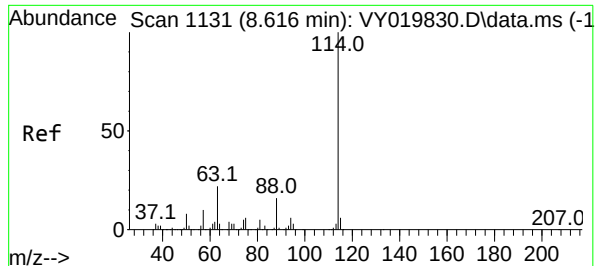
Tgt Ion:168 Resp: 268677
Ion Ratio Lower Upper
168 100
99 63.3 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 55.685 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019871.D
Acq: 11 Oct 2024 15:01

Tgt Ion: 65 Resp: 184216
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

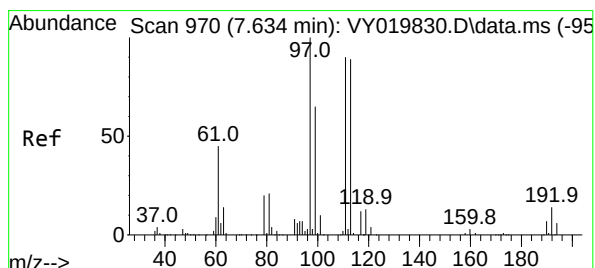
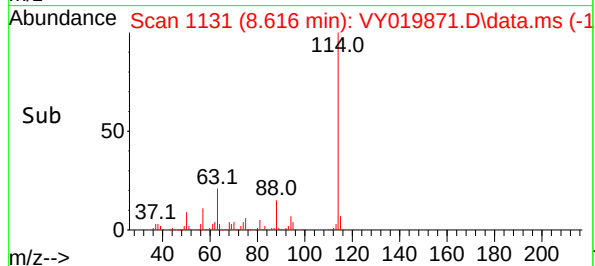
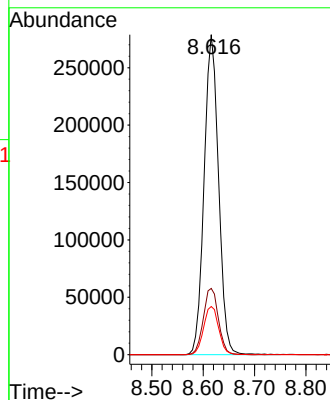
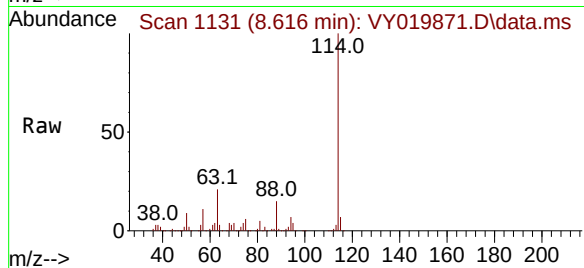
Tgt Ion:114 Resp: 543592

Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

88 15.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.267 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

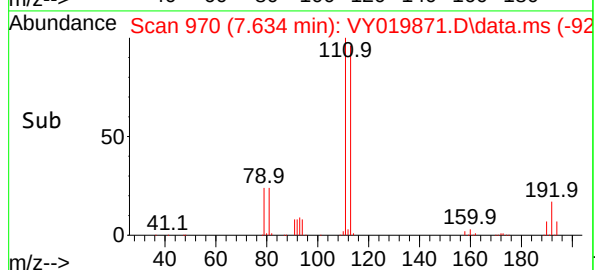
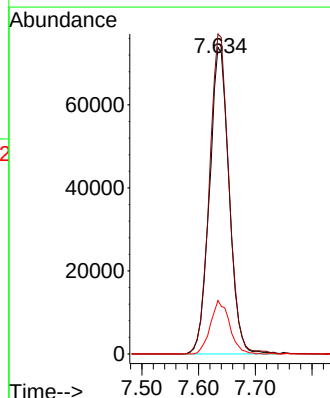
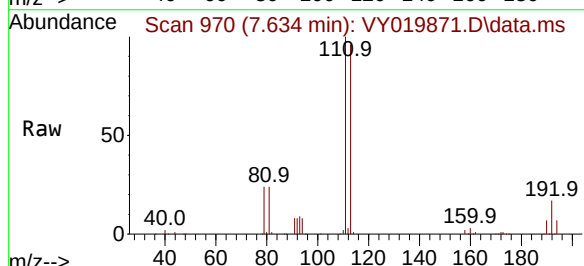
Tgt Ion:113 Resp: 176725

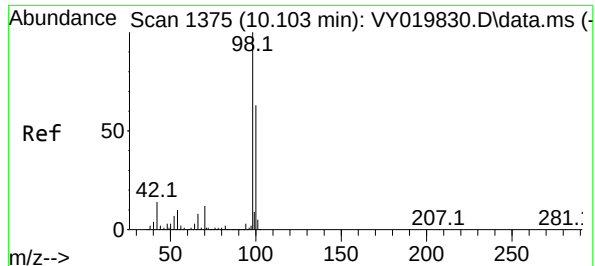
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 17.1 15.9 23.9





#50

Toluene-d8

Concen: 49.738 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

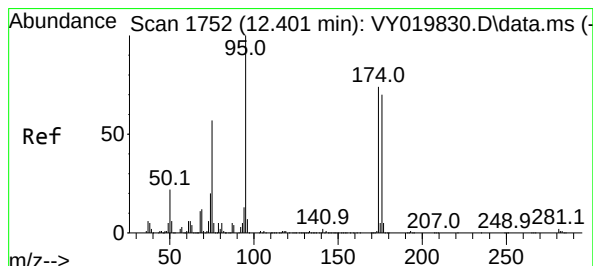
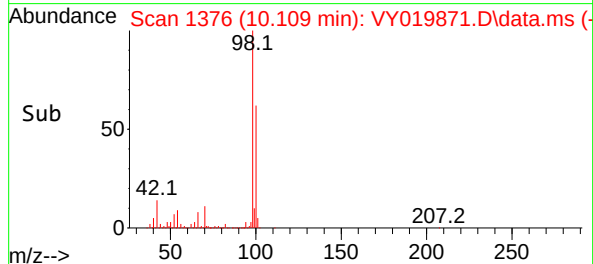
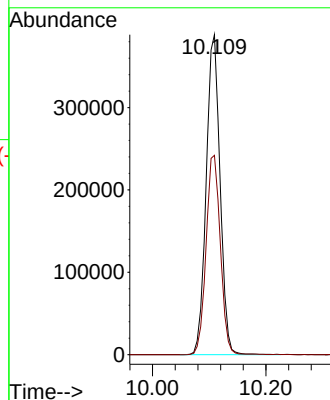
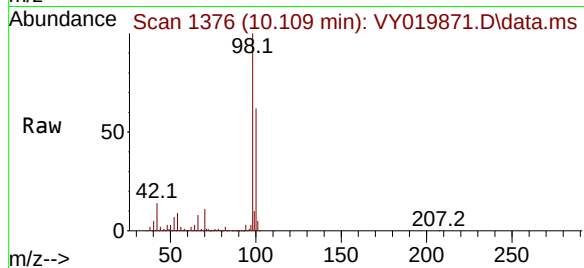
SP-2

Tgt Ion: 98 Resp: 658865

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.953 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

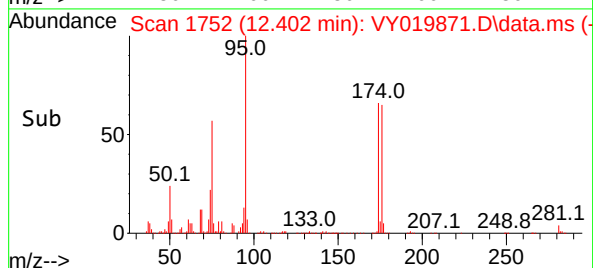
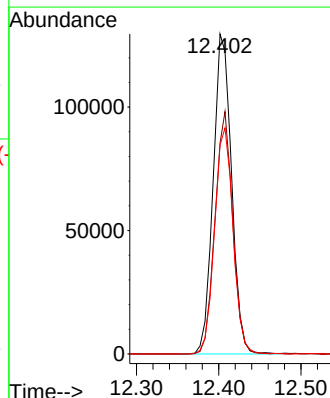
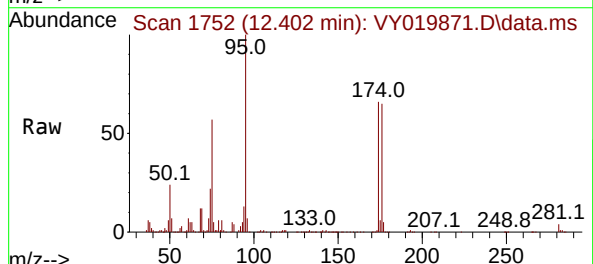
Tgt Ion: 95 Resp: 200806

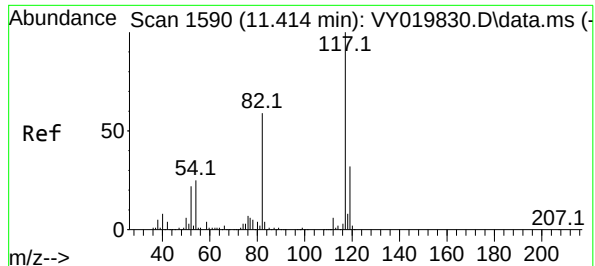
Ion Ratio Lower Upper

95 100

174 73.4 0.0 175.6

176 71.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

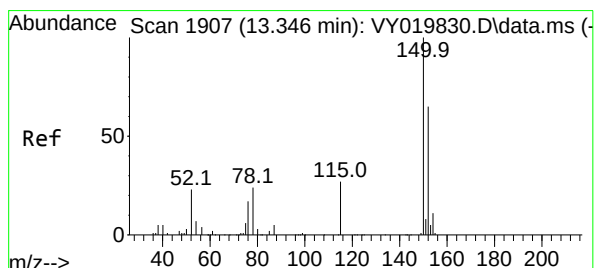
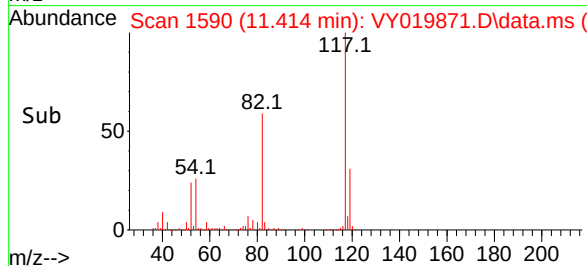
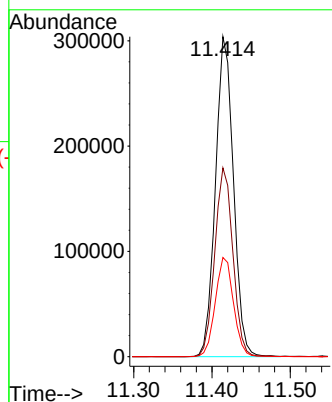
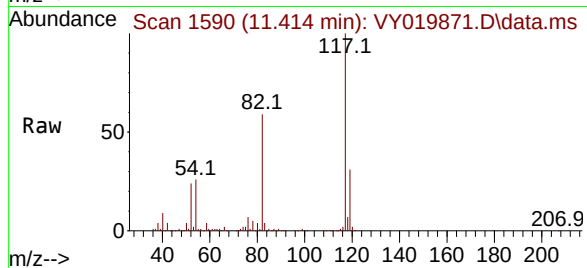
Tgt Ion:117 Resp: 485475

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 31.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019871.D

Acq: 11 Oct 2024 15:01

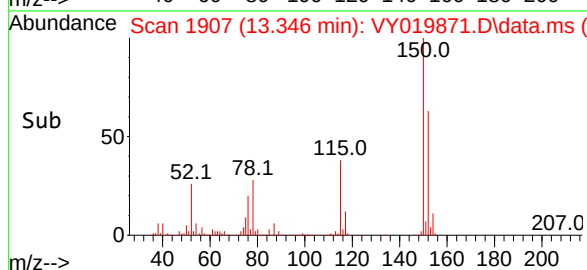
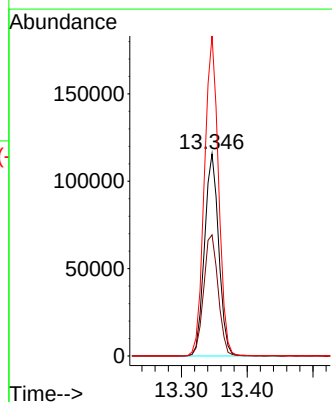
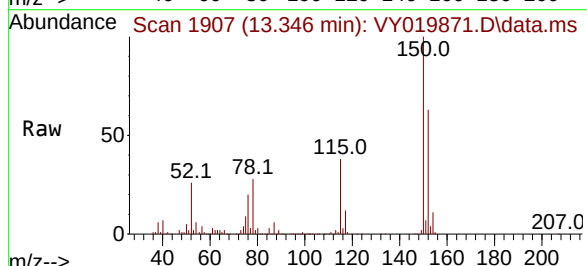
Tgt Ion:152 Resp: 173582

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 157.5 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019871.D
Acq On : 11 Oct 2024 15:01
Operator : SY/MD
Sample : P4385-03
Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019871.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	492	rVB2	26666	84638	4.67%	0.902%
2	7.634	959	970	976	rBV	251905	598768	33.04%	6.379%
3	7.707	976	982	993	rVB	376187	876847	48.38%	9.342%
4	8.061	1030	1040	1053	rBV	233929	527530	29.11%	5.620%
5	8.616	1123	1131	1142	rBV	677572	1333708	73.59%	14.210%
6	10.109	1367	1376	1385	rBV	1044219	1812301	100.00%	19.309%
7	11.414	1579	1590	1602	rBV	990381	1601304	88.36%	17.061%
8	12.408	1745	1753	1764	rBV2	696117	1164591	64.26%	12.408%
9	13.346	1896	1907	1916	rBV	755128	1162011	64.12%	12.380%
10	13.883	1988	1995	2003	rVB2	136995	224176	12.37%	2.388%

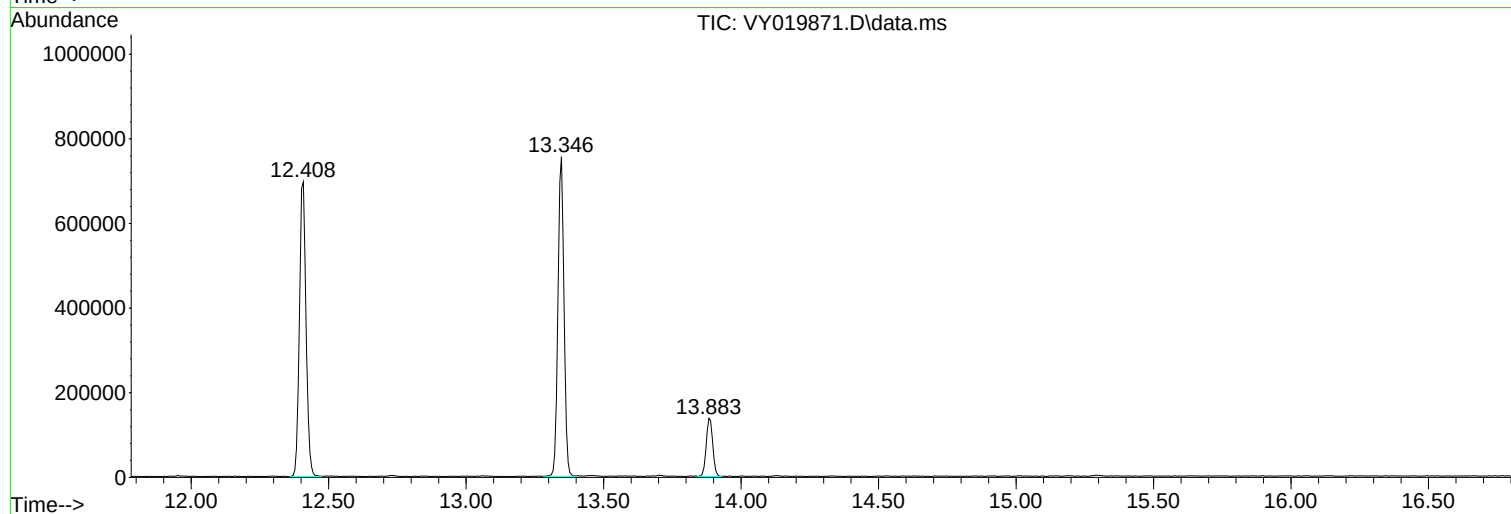
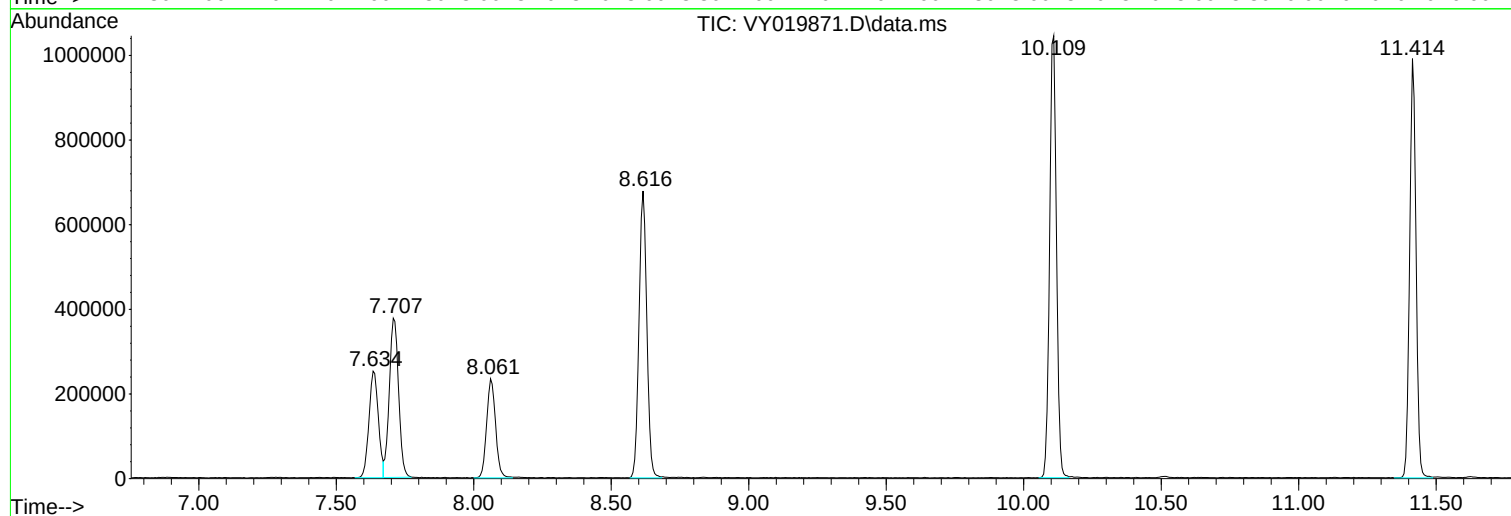
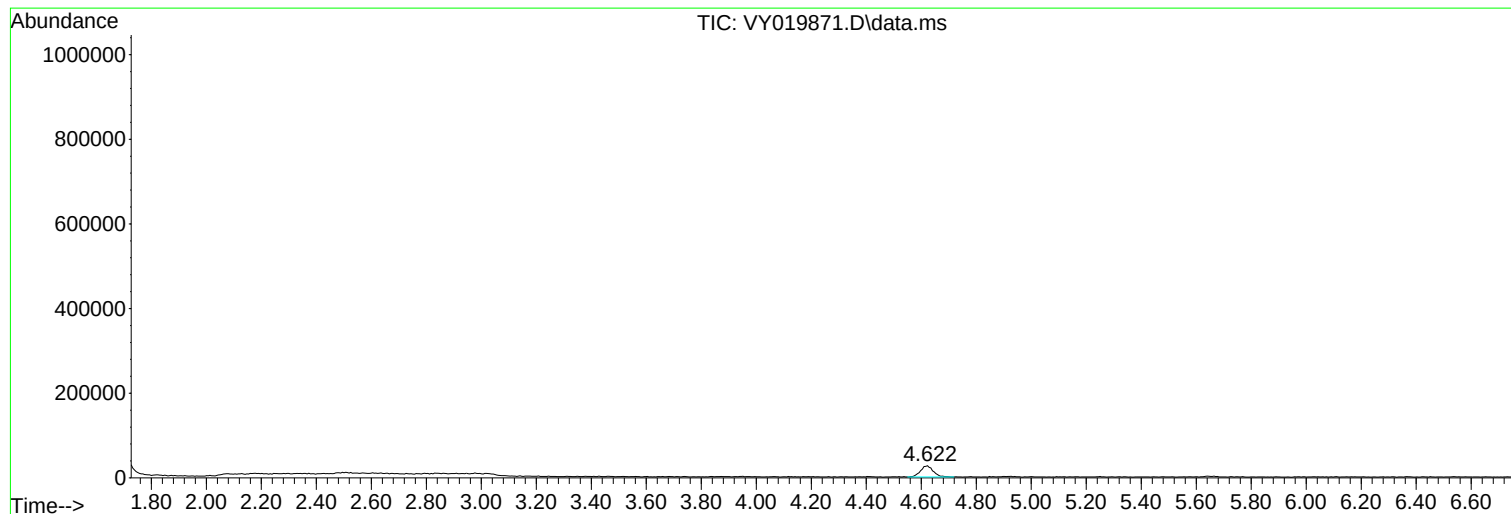
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019871.D
Acq On : 11 Oct 2024 15:01
Operator : SY/MD
Sample : P4385-03
Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019871.D
Acq On : 11 Oct 2024 15:01
Operator : SY/MD
Sample : P4385-03
Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-2

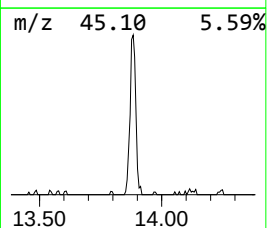
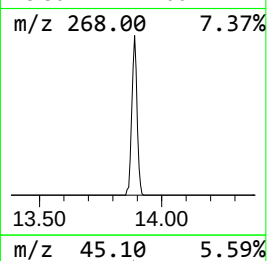
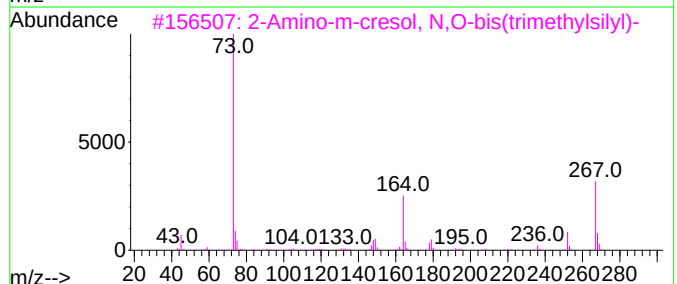
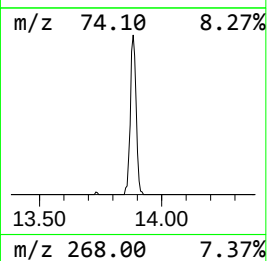
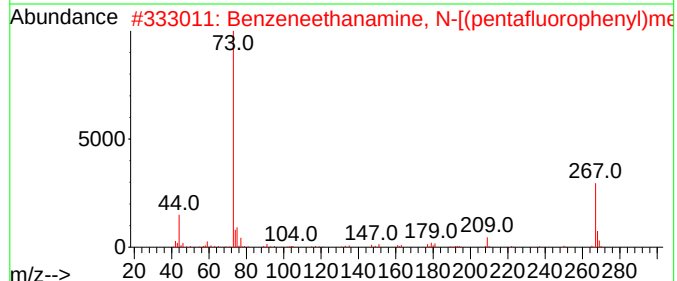
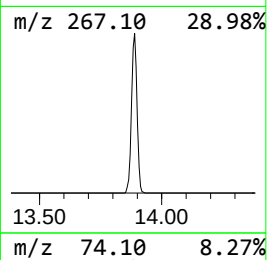
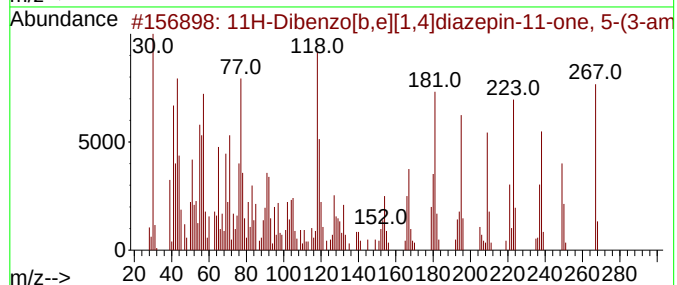
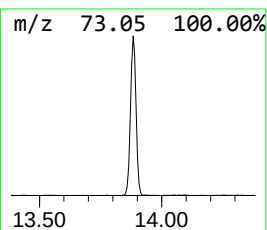
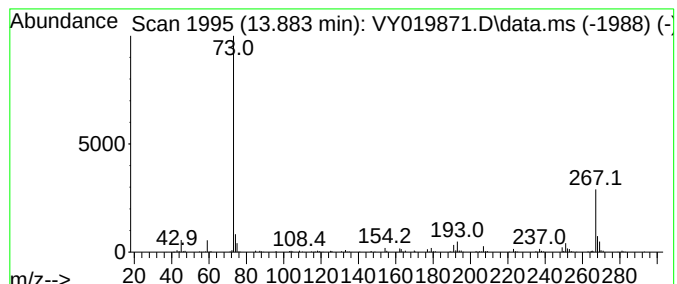
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	9.65 ug/l	224176	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	83
2			Benzeneethanamine, N-[(pentaflu...	475	C21H26F5NO2Si2	055429-85-1	59
3			2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	53
4			Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	50
5			Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019871.D
Acq On : 11 Oct 2024 15:01
Operator : SY/MD
Sample : P4385-03
Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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
11H-Dibenzo[b,e...	13.883	9.7	ug/l	224176	4	13.347	1162010	50.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.1
Sample Wt/Vol:	5.49 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.73	U	0.73	4.70	ug/Kg
74-83-9	Bromomethane	0.98	U	0.98	4.70	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.86	U	0.86	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	4.70	ug/Kg
67-64-1	Acetone	5.90	U	5.90	23.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.70	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	4.70	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.70	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	4.70	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.82	U	0.82	4.70	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	4.70	ug/Kg
79-01-6	Trichloroethene	0.71	U	0.71	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.63	U	0.63	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.7	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.70	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24
Project:	Robbinsville		Date Received:	10/10/24
Client Sample ID:	SP-3		SDG No.:	P4385
Lab Sample ID:	P4385-05		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	96.1
Sample Wt/Vol:	5.49	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.70	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	23.7	ug/Kg
124-48-1	Dibromochloromethane	0.62	U	0.62	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.75	U	0.75	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.70	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.50	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.70	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.70	ug/Kg
75-25-2	Bromoform	0.77	U	0.77	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.70	U	0.70	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.76	U	0.76	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.75	U	0.75	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.74	U	0.74	4.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.0		70 (50) - 130 (163)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (29) - 130 (146)	83%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	234000	7.707	
540-36-3	1,4-Difluorobenzene	466000	8.616	
3114-55-4	Chlorobenzene-d5	405000	11.414	
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.347	

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.1
Sample Wt/Vol:	5.49 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
055429-85-1	Benzeneethanamine, N-[(pentafluoro	6.50	J		13.9	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\VY101124\
 Data File : VY019872.D
 Acq On : 11 Oct 2024 15:24
 Operator : SY/MD
 Sample : P4385-05
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3

Quant Time: Oct 14 01:48:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	233935	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	466040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	405476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	148777	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158555	55.046	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.100%
35) Dibromofluoromethane	7.640	113	150840	49.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.100%
50) Toluene-d8	10.109	98	567565	49.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.402	95	171205	41.721	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	83.440%

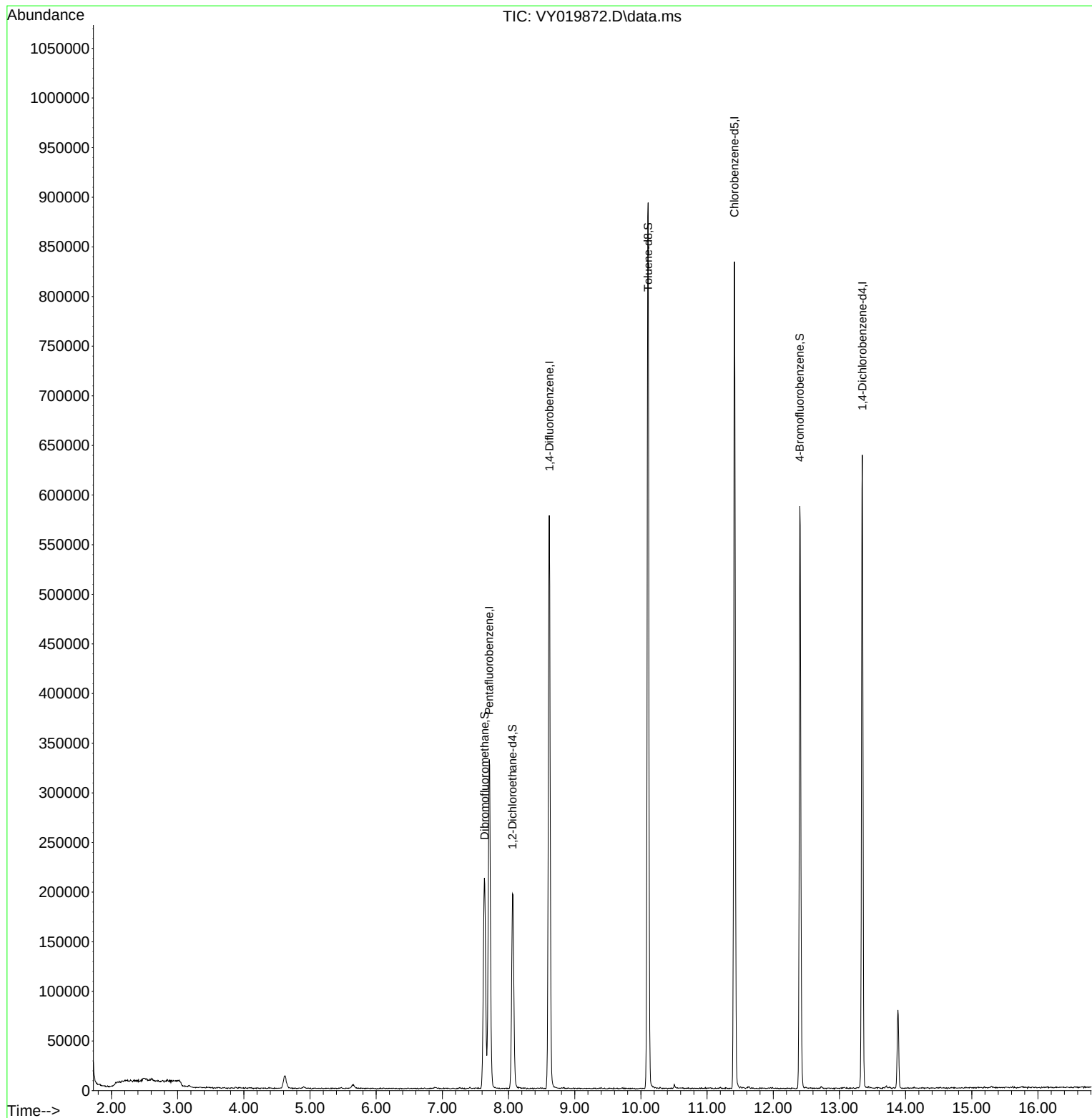
Target Compounds	Qvalue

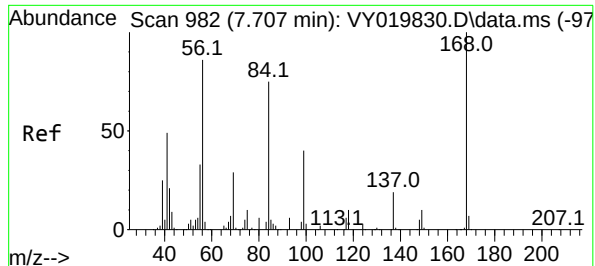
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019872.D
Acq On : 11 Oct 2024 15:24
Operator : SY/MD
Sample : P4385-05
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

Quant Time: Oct 14 01:48:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

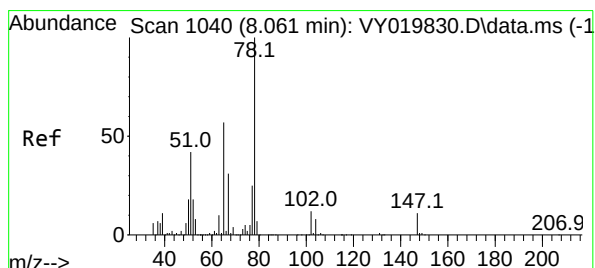
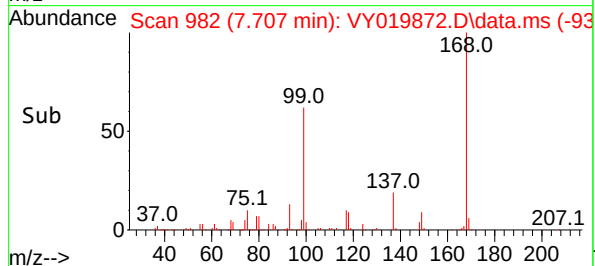
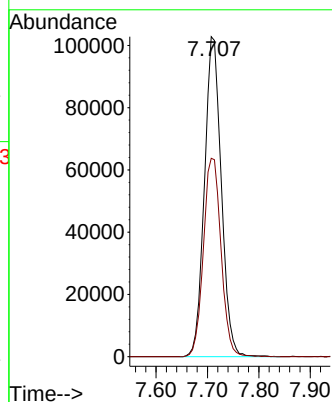
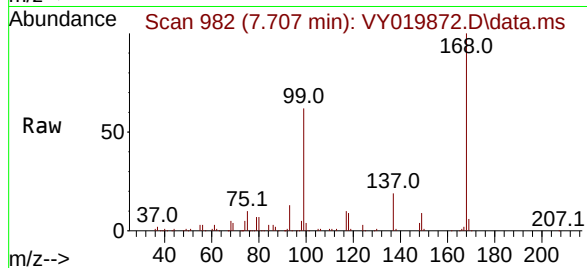




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019872.D
Acq: 11 Oct 2024 15:24

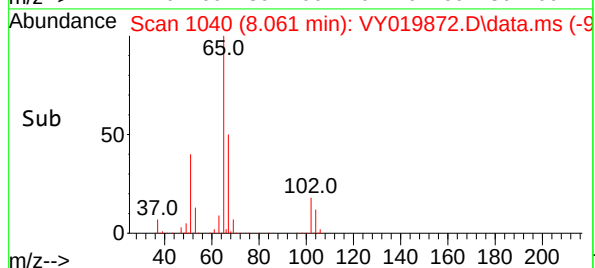
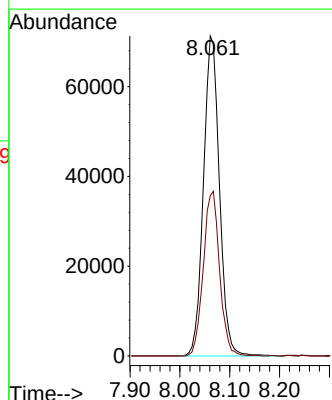
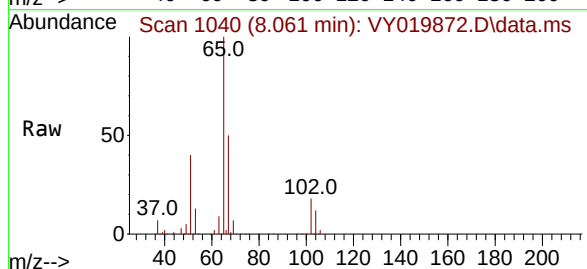
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

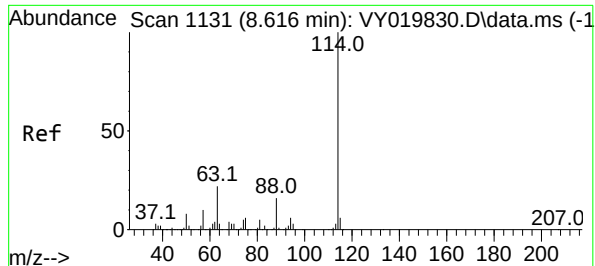
Tgt Ion:168 Resp: 233935
Ion Ratio Lower Upper
168 100
99 62.0 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 55.046 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019872.D
Acq: 11 Oct 2024 15:24

Tgt Ion: 65 Resp: 158555
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019872.D

Acq: 11 Oct 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

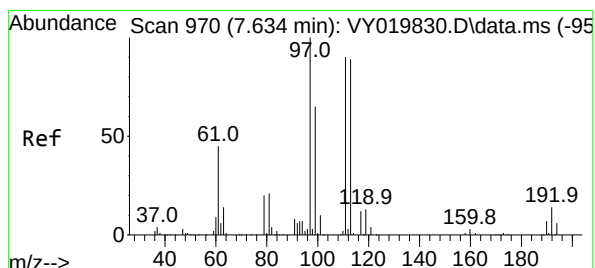
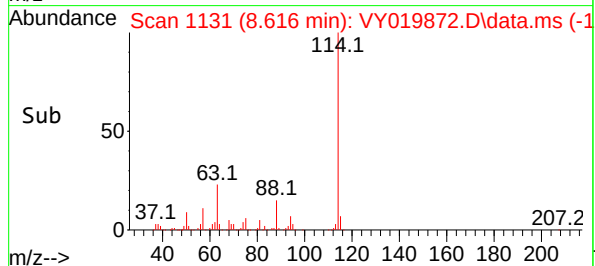
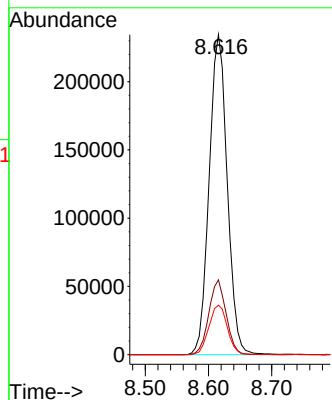
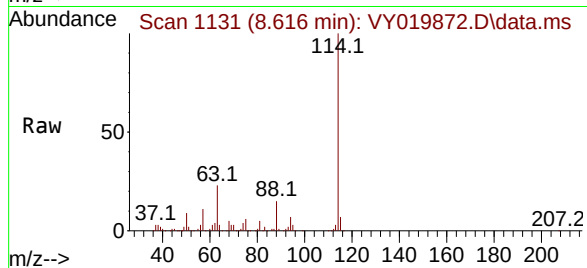
Tgt Ion:114 Resp: 466040

Ion Ratio Lower Upper

114 100

63 23.4 0.0 35.0

88 15.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.048 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.007 min

Lab File: VY019872.D

Acq: 11 Oct 2024 15:24

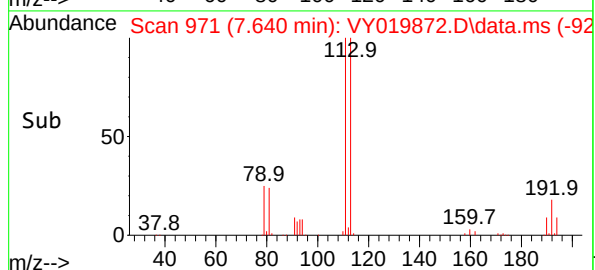
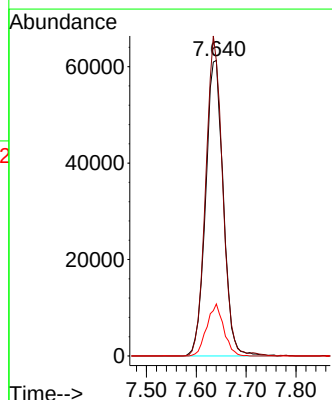
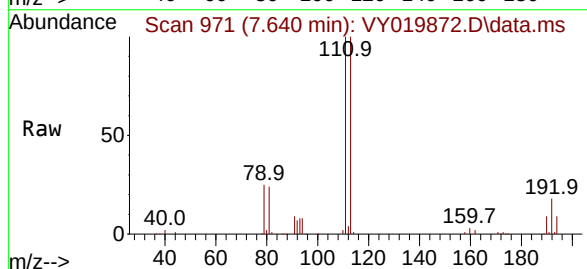
Tgt Ion:113 Resp: 150840

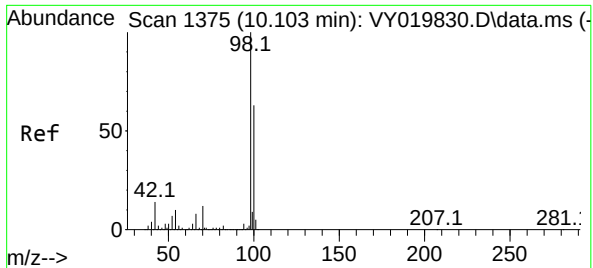
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 16.9 15.9 23.9

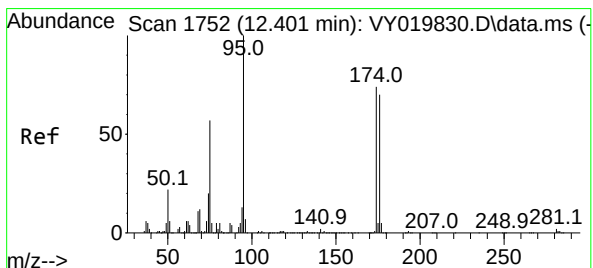
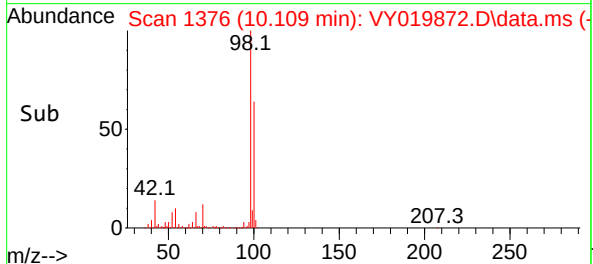
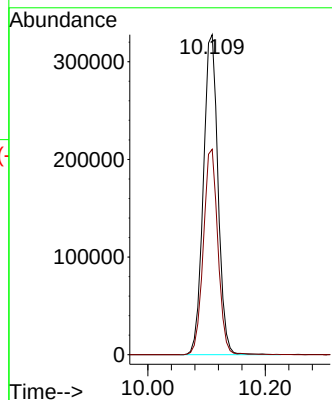
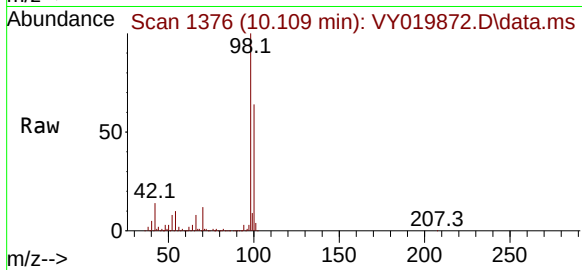




#50
Toluene-d8
Concen: 49.976 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019872.D
Acq: 11 Oct 2024 15:24

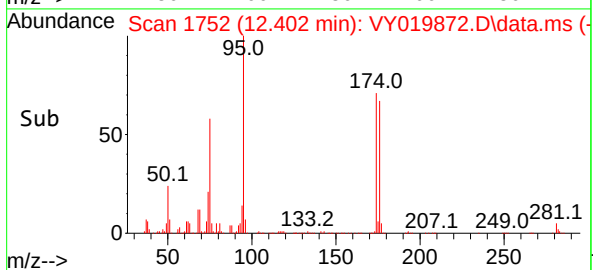
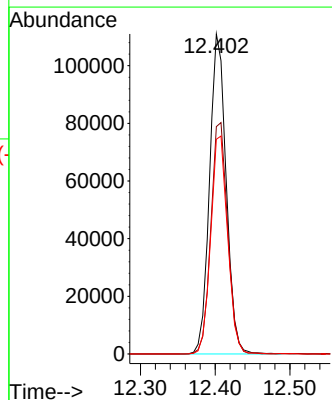
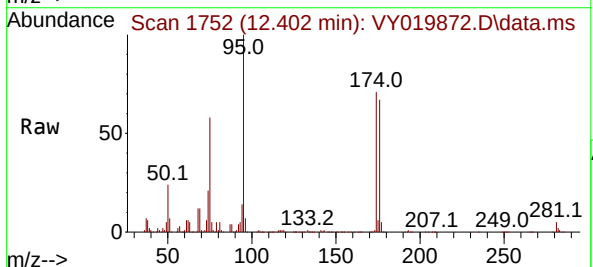
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

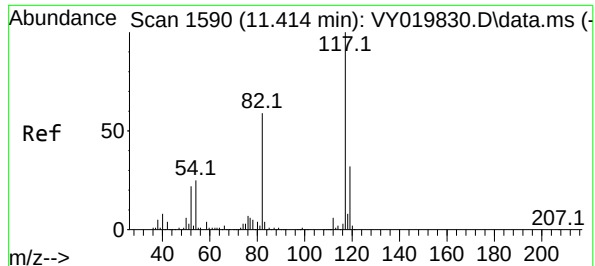
Tgt Ion: 98 Resp: 567565
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.721 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019872.D
Acq: 11 Oct 2024 15:24

Tgt Ion: 95 Resp: 171205
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 69.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019872.D

Acq: 11 Oct 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

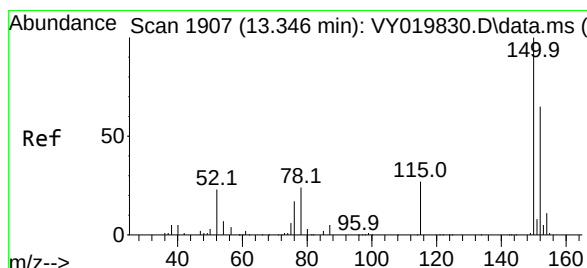
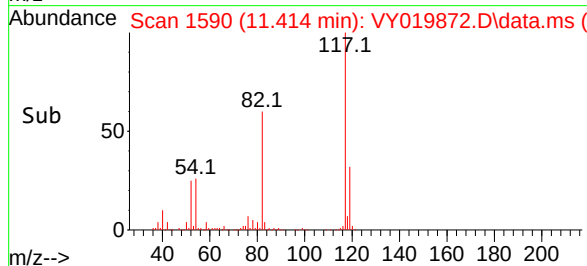
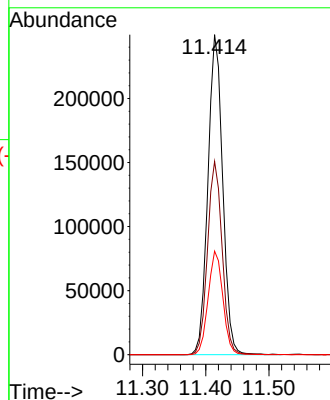
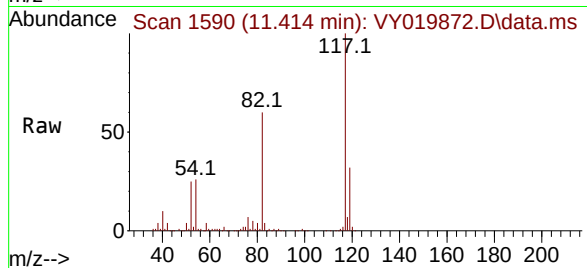
Tgt Ion:117 Resp: 405476

Ion Ratio Lower Upper

117 100

82 60.4 42.4 63.6

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019872.D

Acq: 11 Oct 2024 15:24

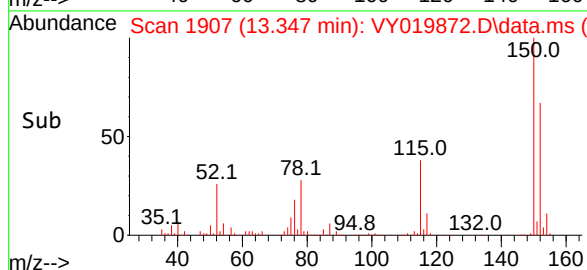
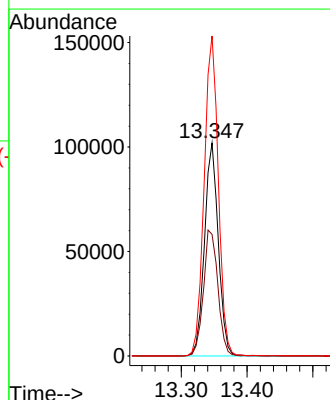
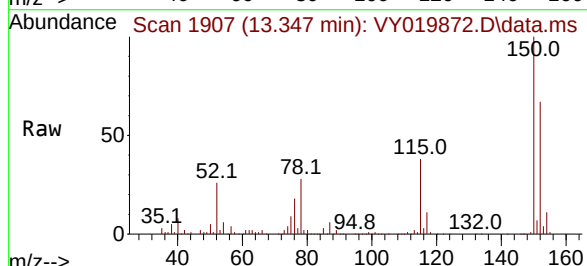
Tgt Ion:152 Resp: 148777

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 153.9 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019872.D
Acq On : 11 Oct 2024 15:24
Operator : SY/MD
Sample : P4385-05
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019872.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	466	476	485	rBV3	12409	39468	2.53%	0.498%
2	7.634	961	970	976	rBV2	211966	512054	32.78%	6.465%
3	7.707	976	982	995	rVB	330842	764300	48.93%	9.649%
4	8.061	1031	1040	1052	rBV	196237	449127	28.75%	5.670%
5	8.616	1122	1131	1143	rBV	577558	1151991	73.75%	14.544%
6	10.109	1367	1376	1388	rBV	892673	1562038	100.00%	19.721%
7	11.414	1583	1590	1603	rBV	833041	1345791	86.16%	16.991%
8	12.402	1745	1752	1763	rBV2	586425	977626	62.59%	12.342%
9	13.347	1898	1907	1914	rBV	637467	984326	63.02%	12.427%
10	13.883	1988	1995	2005	rVB2	79142	134111	8.59%	1.693%

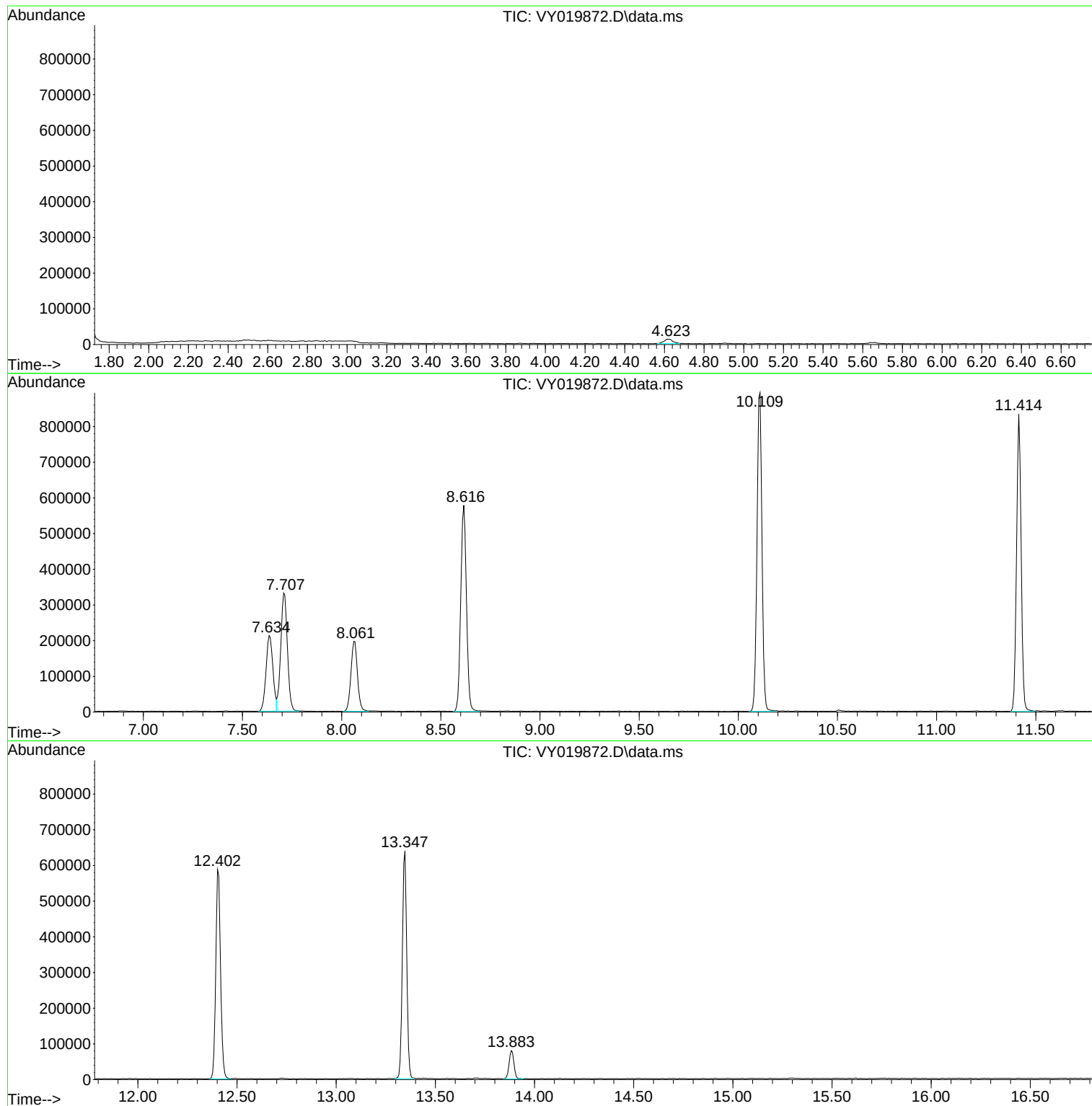
Sum of corrected areas: 7920832

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019872.D
Acq On : 11 Oct 2024 15:24
Operator : SY/MD
Sample : P4385-05
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019872.D
Acq On : 11 Oct 2024 15:24
Operator : SY/MD
Sample : P4385-05
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

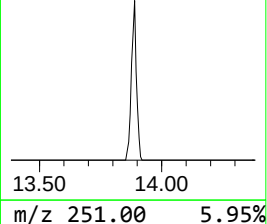
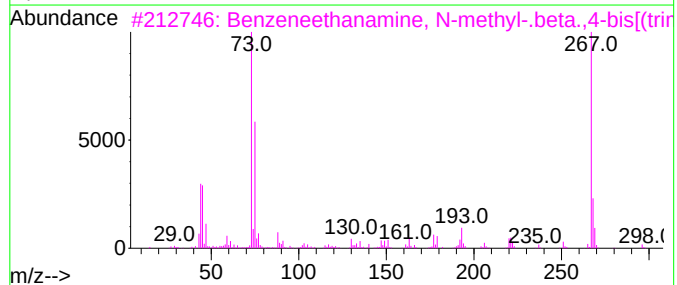
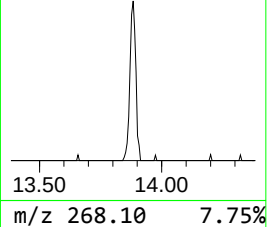
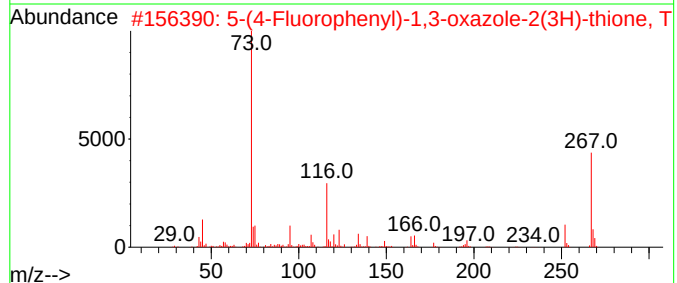
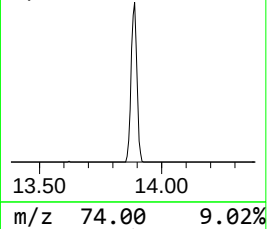
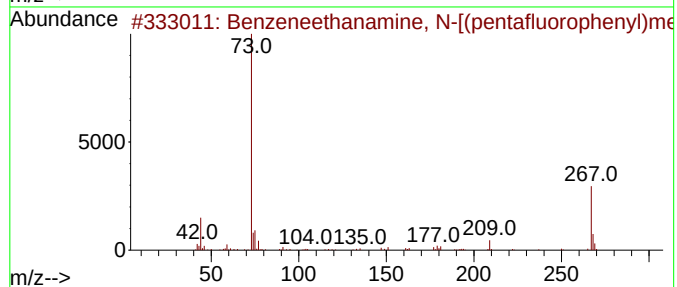
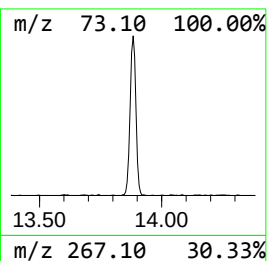
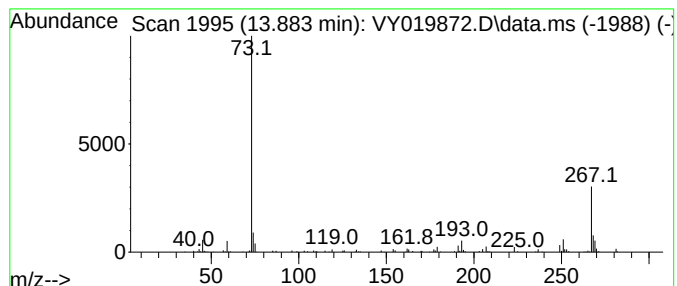
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzeneethanamine, N-[(pent... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	6.81 ug/l	134111	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzeneethanamine, N-[(pentafluoro...	475	C21H26F5NO2Si2	055429-85-1	59
2			5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSi	1000497-07-6	59
3			Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	45
4			Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	45
5			5-(3-Pyridinyl)-1,3,4-thiadiazol...	267	C10H13N3S2Si	1000471-43-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019872.D
Acq On : 11 Oct 2024 15:24
Operator : SY/MD
Sample : P4385-05
Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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
Benzeneethanami...	13.883	6.8	ug/l	134111	4	13.347	984326	50.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.82	U	0.82	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	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	0.83	U	0.83	5.30	ug/Kg
67-64-1	Acetone	6.70	U	6.70	26.7	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	5.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.30	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	5.30	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	5.30	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	26.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U	0.93	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	5.30	ug/Kg
74-97-5	Bromochloromethane	2.60	U	2.60	5.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.30	ug/Kg
71-43-2	Benzene	0.77	U	0.77	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	5.30	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.60	U	4.60	26.7	ug/Kg
108-88-3	Toluene	0.72	U	0.72	5.30	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.64	U	0.64	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	5.30	ug/Kg
591-78-6	2-Hexanone	5.10	U	5.10	26.7	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.84	U	0.84	5.30	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	5.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.7	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	5.30	ug/Kg
100-42-5	Styrene	0.64	U	0.64	5.30	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.79	U	0.79	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.63	U	0.63	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.84	U	0.84	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.83	U	0.83	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.3		70 (29) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	7.713			
540-36-3	1,4-Difluorobenzene	505000	8.615			
3114-55-4	Chlorobenzene-d5	447000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

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\VY101124\
 Data File : VY019873.D
 Acq On : 11 Oct 2024 15:48
 Operator : SY/MD
 Sample : P4385-07
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Oct 14 01:48:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	244456	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	504549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	447198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157772	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158595	52.690	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.380%
35) Dibromofluoromethane	7.640	113	161093	48.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.760%
50) Toluene-d8	10.109	98	609294	49.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.407	95	183446	41.292	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	82.580%

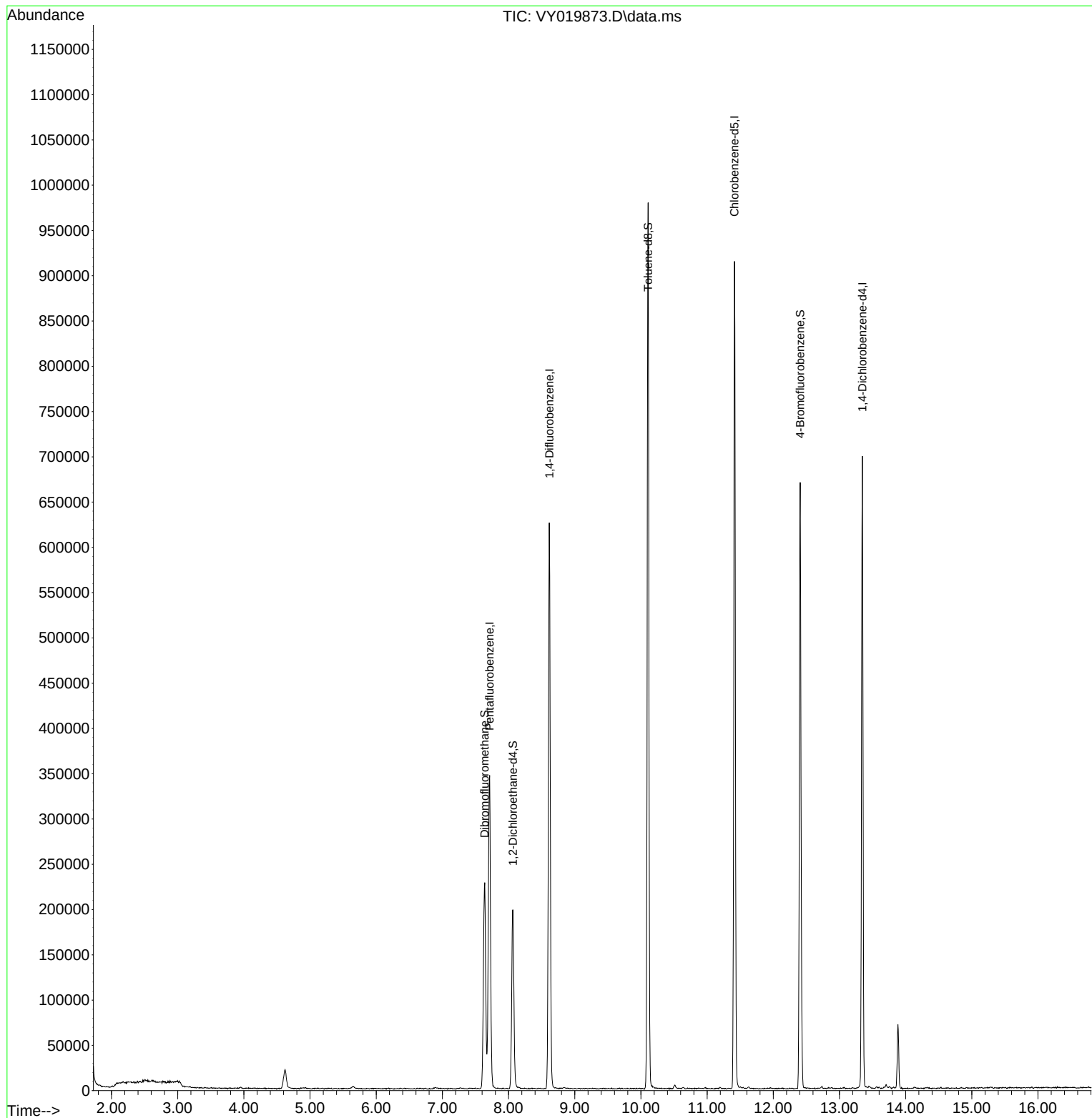
Target Compounds	Qvalue

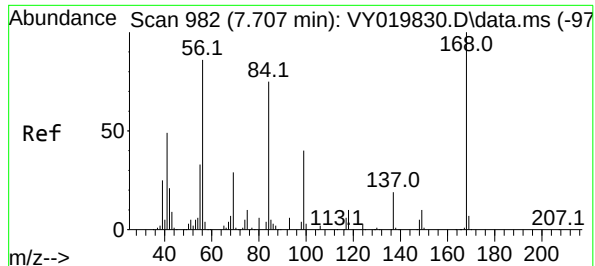
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019873.D
Acq On : 11 Oct 2024 15:48
Operator : SY/MD
Sample : P4385-07
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Quant Time: Oct 14 01:48:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

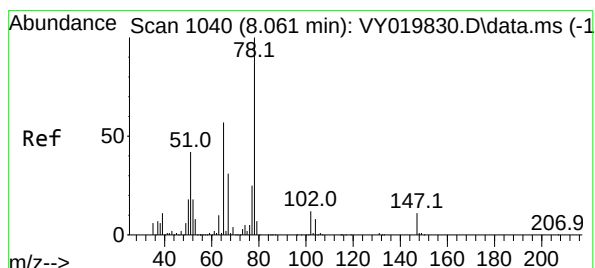
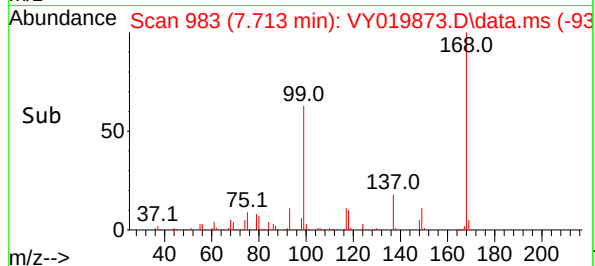
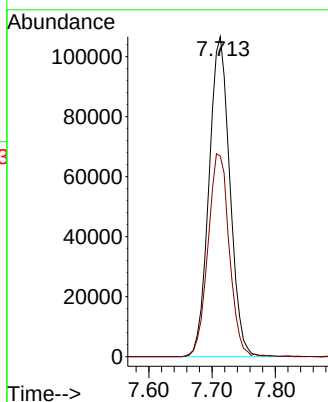
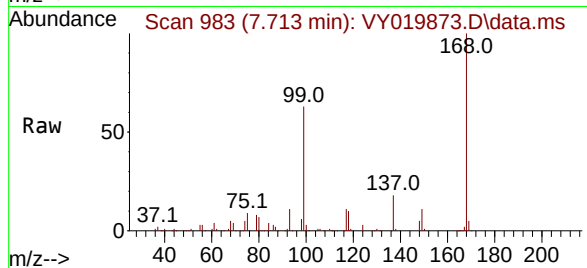




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019873.D
Acq: 11 Oct 2024 15:48

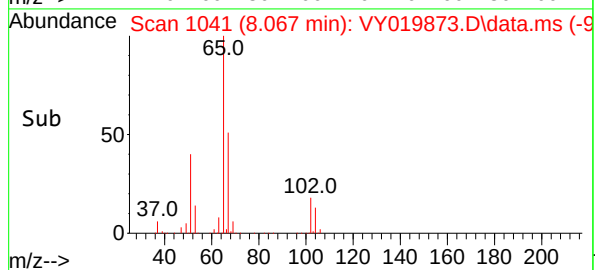
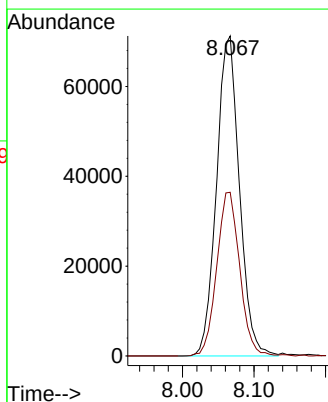
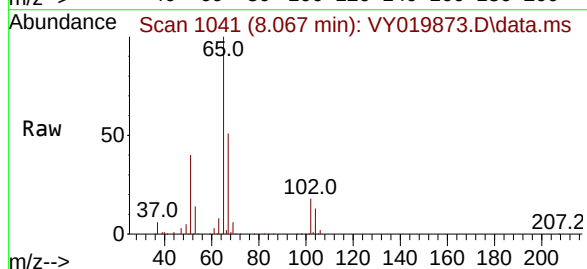
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

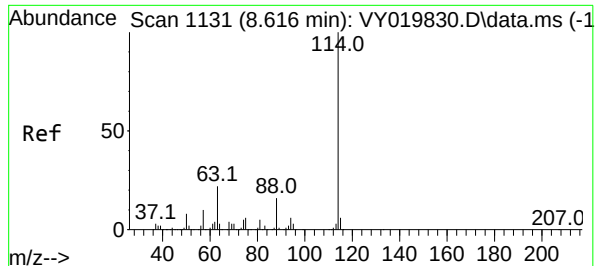
Tgt Ion:168 Resp: 244456
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 52.690 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019873.D
Acq: 11 Oct 2024 15:48

Tgt Ion: 65 Resp: 158595
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

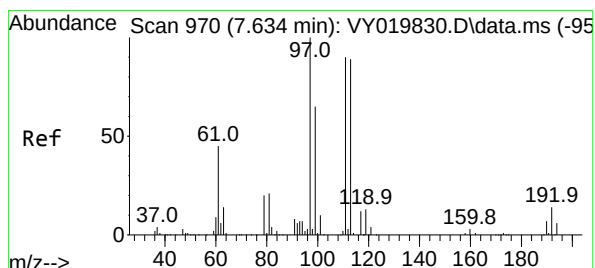
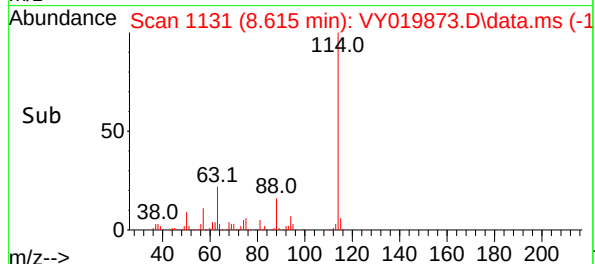
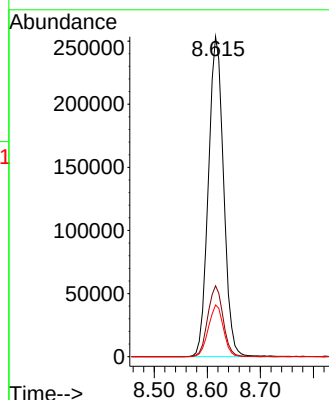
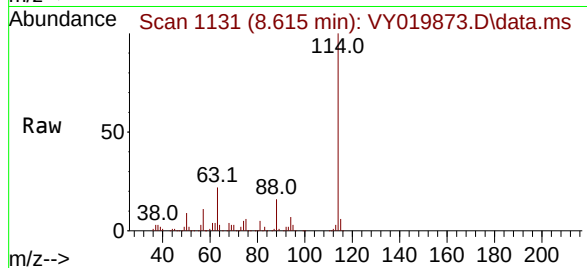
Tgt Ion:114 Resp: 504549

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.0

88 16.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.384 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

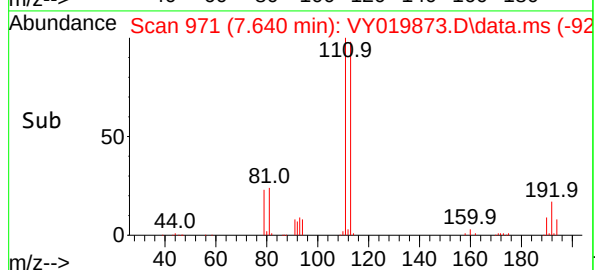
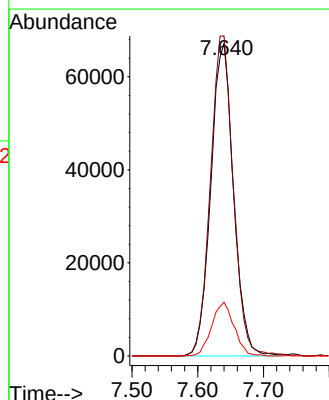
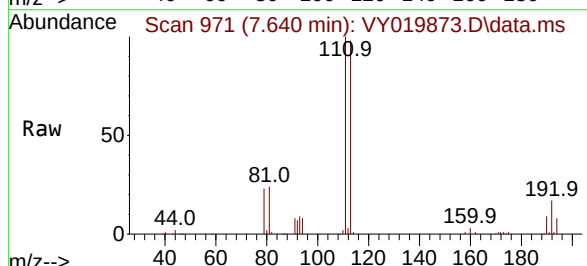
Tgt Ion:113 Resp: 161093

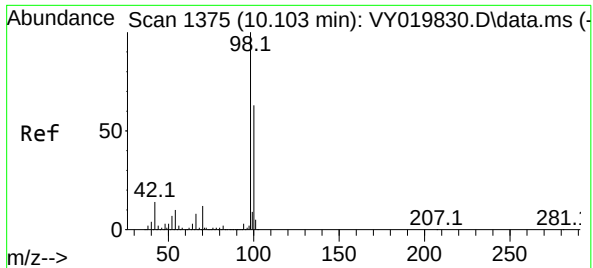
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 17.0 15.9 23.9

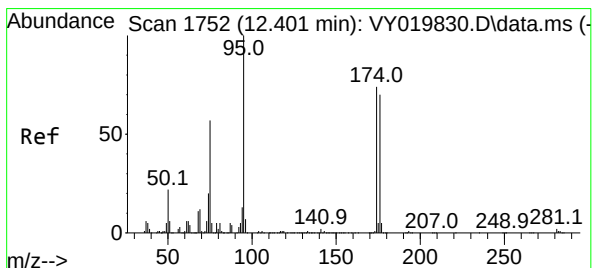
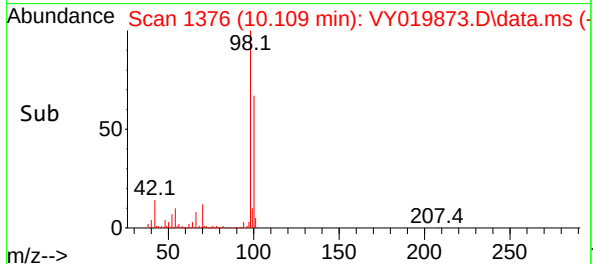
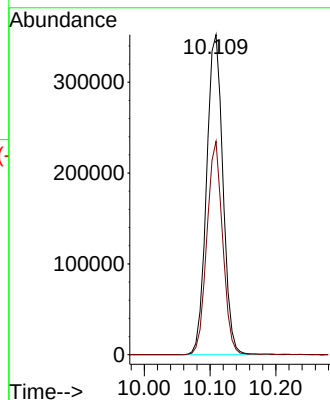
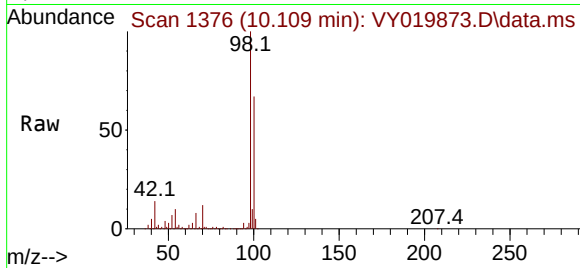




#50
Toluene-d8
Concen: 49.555 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019873.D
Acq: 11 Oct 2024 15:48

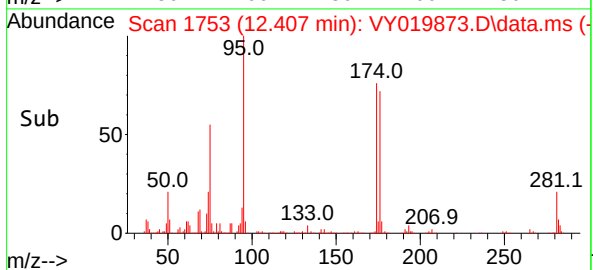
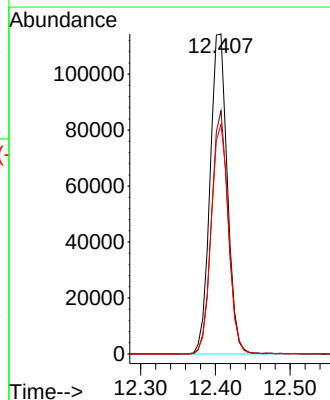
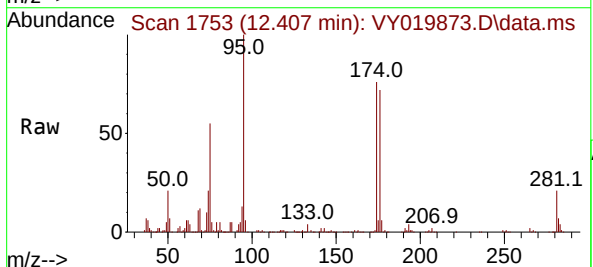
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

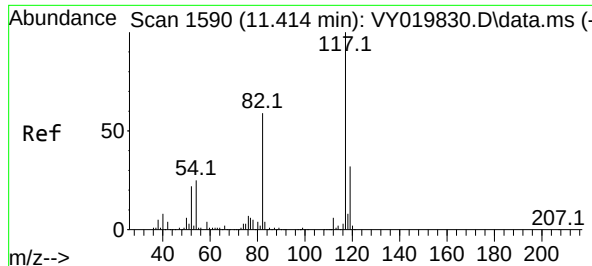
Tgt Ion: 98 Resp: 609294
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.292 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019873.D
Acq: 11 Oct 2024 15:48

Tgt Ion: 95 Resp: 183446
Ion Ratio Lower Upper
95 100
174 73.7 0.0 175.6
176 71.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

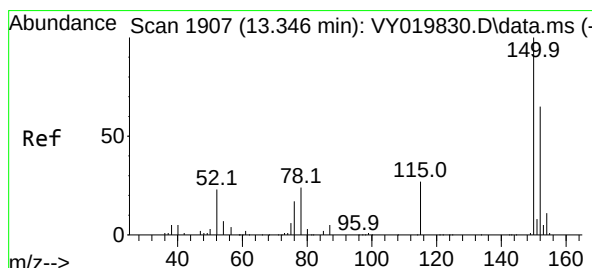
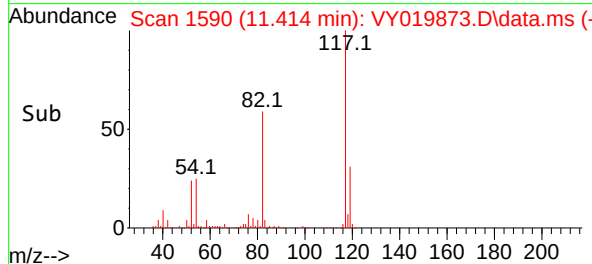
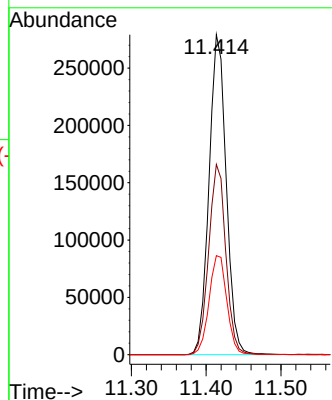
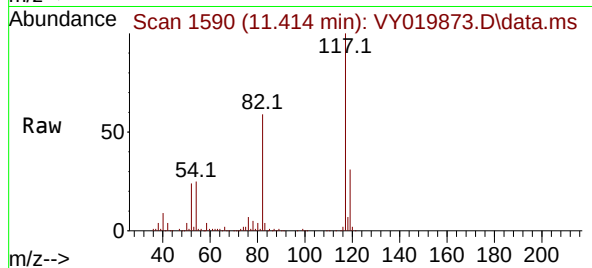
Tgt Ion:117 Resp: 447198

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 30.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

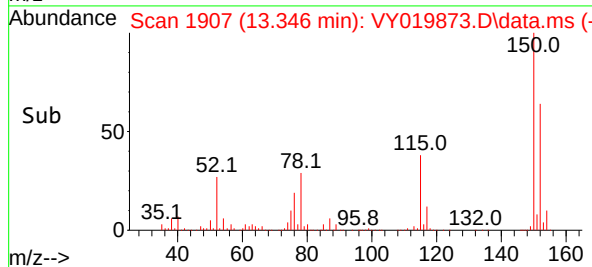
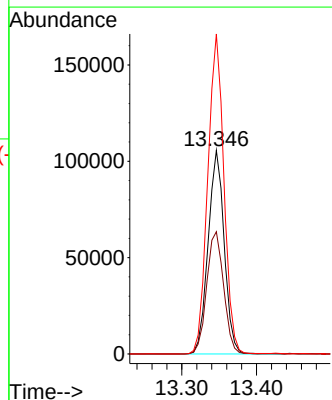
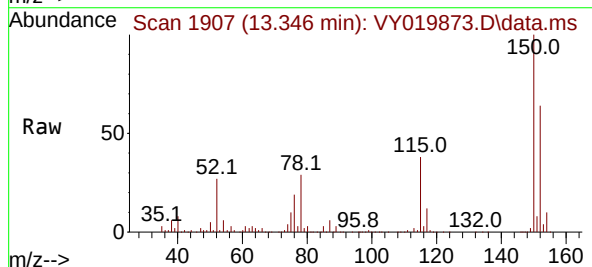
Tgt Ion:152 Resp: 157772

Ion Ratio Lower Upper

152 100

115 63.2 28.2 84.7

150 157.6 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019873.D
Acq On : 11 Oct 2024 15:48
Operator : SY/MD
Sample : P4385-07
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019873.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	465	476	493	rBV2	21011	67167	3.98%	0.777%
2	7.640	958	971	976	rBV	227844	544105	32.28%	6.293%
3	7.713	976	983	997	rVB	345701	807951	47.93%	9.345%
4	8.067	1032	1041	1052	rBV	197493	452516	26.84%	5.234%
5	8.615	1122	1131	1145	rBV	625111	1241081	73.62%	14.355%
6	10.109	1367	1376	1387	rBV	979041	1685768	100.00%	19.498%
7	11.414	1581	1590	1601	rBV	913887	1478620	87.71%	17.102%
8	12.407	1746	1753	1762	rBV2	669685	1181949	70.11%	13.671%
9	13.346	1896	1907	1915	rBV	697554	1070136	63.48%	12.378%
10	13.883	1989	1995	2003	rVB2	71067	116397	6.90%	1.346%

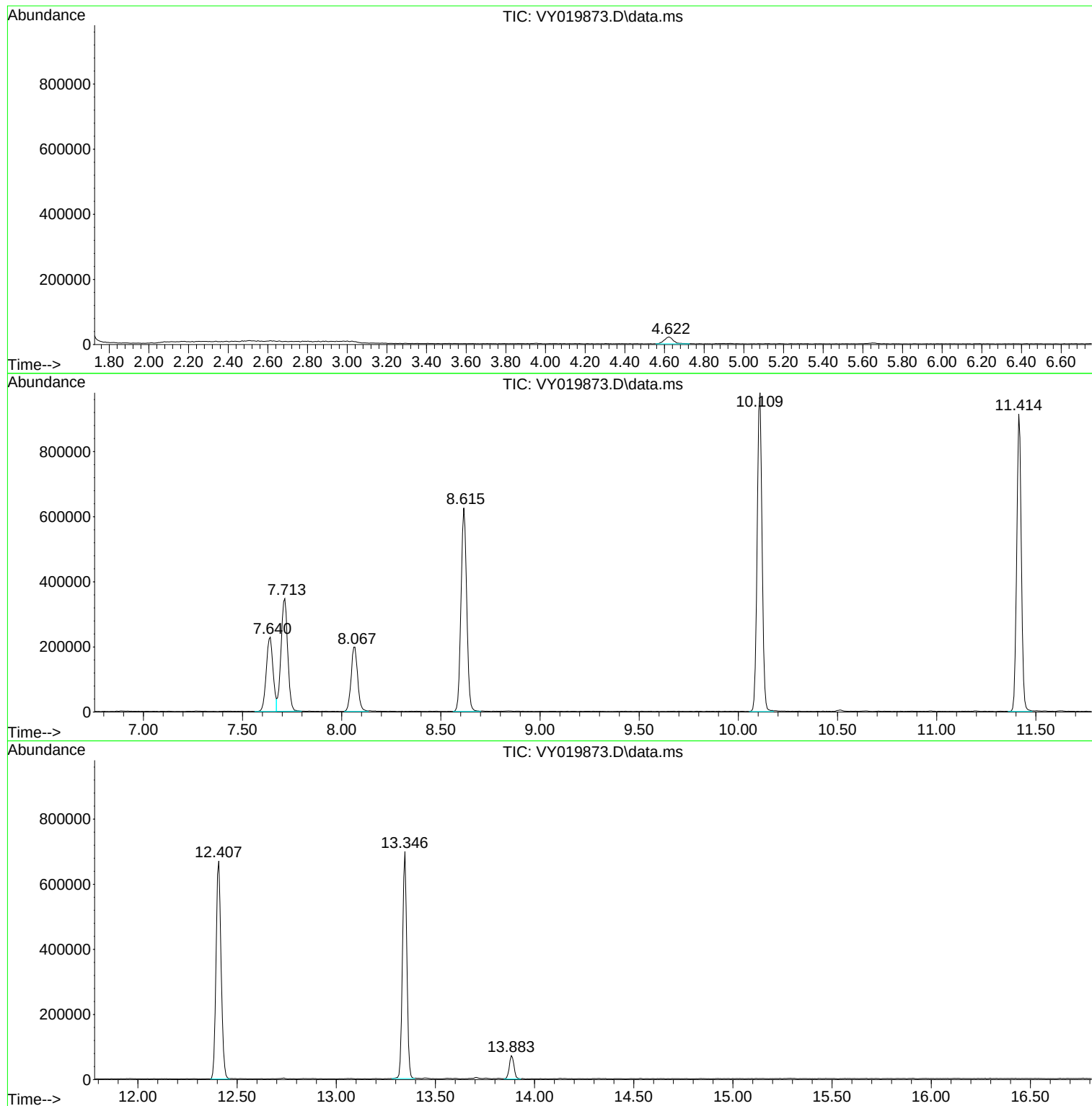
Sum of corrected areas: 8645690

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019873.D
Acq On : 11 Oct 2024 15:48
Operator : SY/MD
Sample : P4385-07
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019873.D
Acq On : 11 Oct 2024 15:48
Operator : SY/MD
Sample : P4385-07
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101124\
Data File : VY019873.D
Acq On : 11 Oct 2024 15:48
Operator : SY/MD
Sample : P4385-07
Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.88 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.50	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.50	ug/Kg
74-83-9	Bromomethane	0.93	U	0.93	4.50	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	4.50	ug/Kg
67-64-1	Acetone	5.70	U	5.70	22.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.50	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.50	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.76	U	0.76	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.57	U	0.57	4.50	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.50	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	4.50	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.50	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.50	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.55	U	0.55	4.50	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	22.7	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.50	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-5			SDG No.:	P4385
Lab Sample ID:	P4385-09			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	93.7
Sample Wt/Vol:	5.88	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.50	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.59	U	0.59	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	4.50	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.10	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	4.50	ug/Kg
100-42-5	Styrene	0.54	U	0.54	4.50	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.71	U	0.71	4.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.8	70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9	70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.5	70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2	70 (29) - 130 (146)	88%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	254000	7.713
540-36-3	1,4-Difluorobenzene	519000	8.616
3114-55-4	Chlorobenzene-d5	475000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.88 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	8.90	J		13.9	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\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-5

Quant Time: Oct 14 01:49:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	253962	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	518599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	474536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	175004	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177682	56.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.640%
35) Dibromofluoromethane	7.634	113	170890	49.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.109	98	637807	50.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.401	95	202049	44.247	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.500%

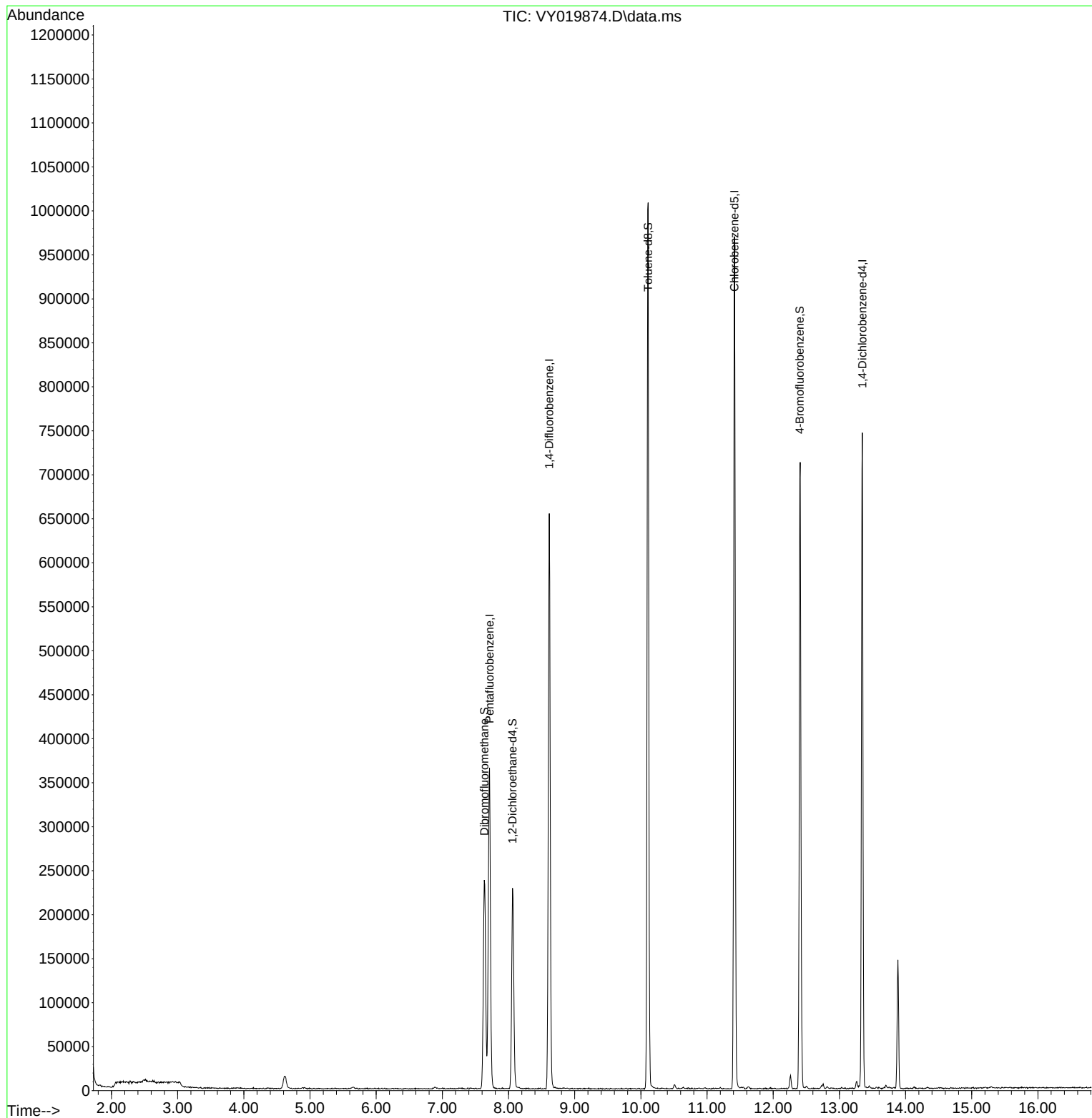
Target Compounds	Qvalue

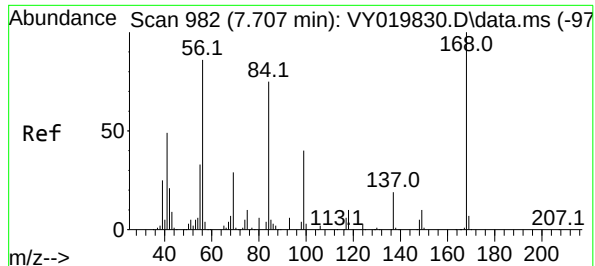
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-5

Quant Time: Oct 14 01:49:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

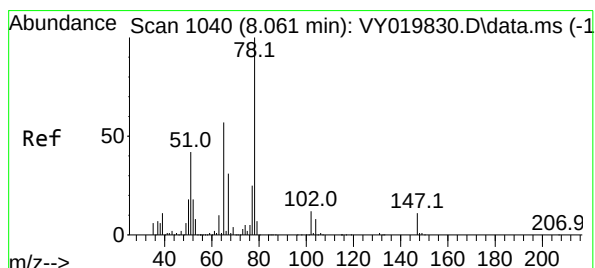
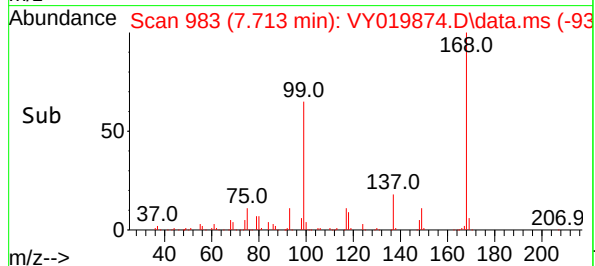
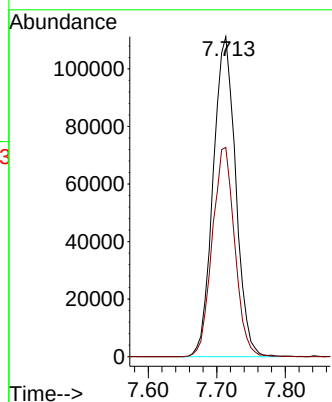
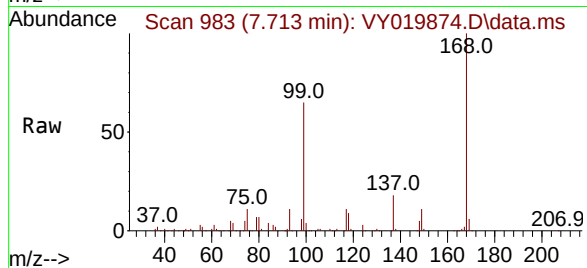




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

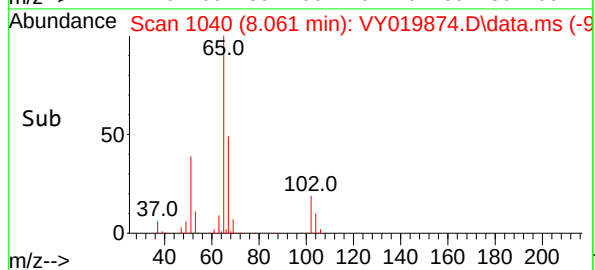
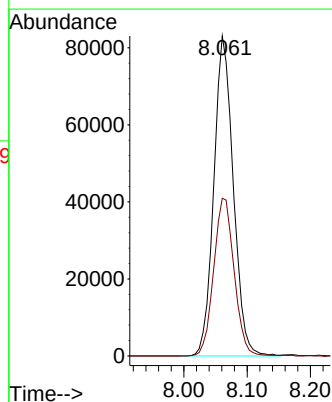
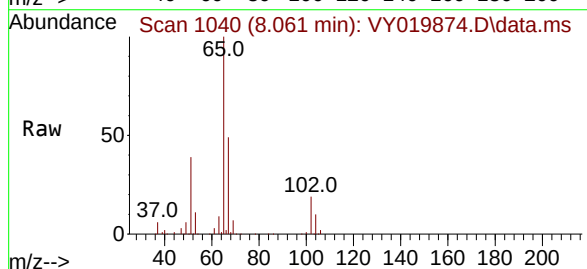
Instrument :
MSVOA_Y
ClientSampleId :
SP-5

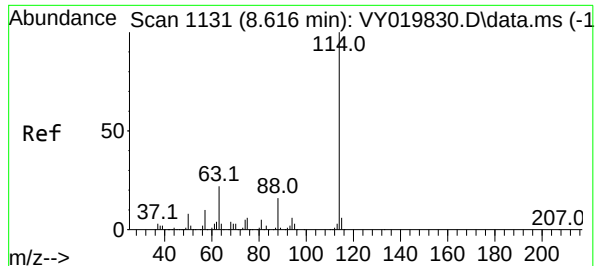
Tgt Ion:168 Resp: 253962
Ion Ratio Lower Upper
168 100
99 65.4 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 56.821 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Tgt Ion: 65 Resp: 177682
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

SP-5

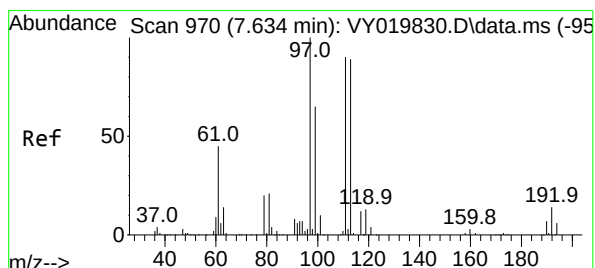
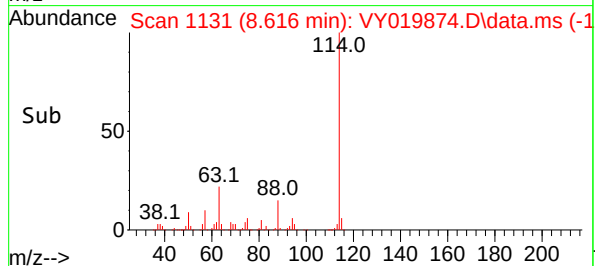
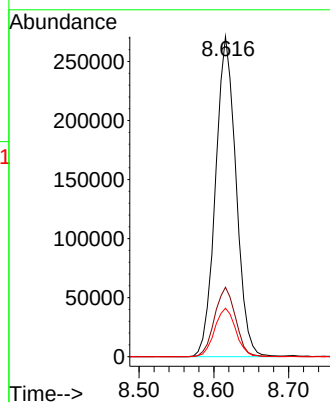
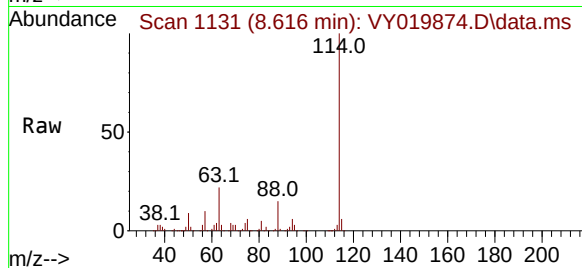
Tgt Ion:114 Resp: 518599

Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.936 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

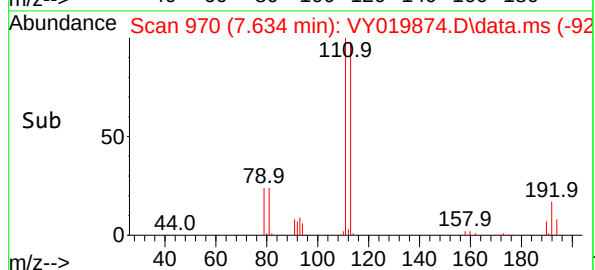
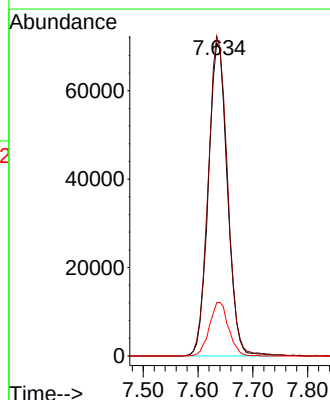
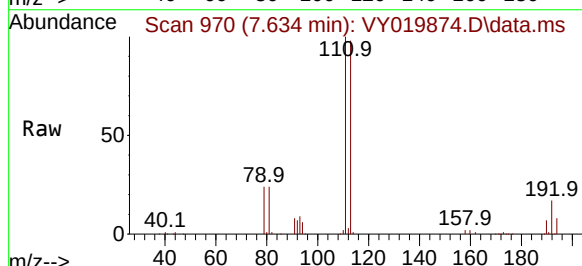
Tgt Ion:113 Resp: 170890

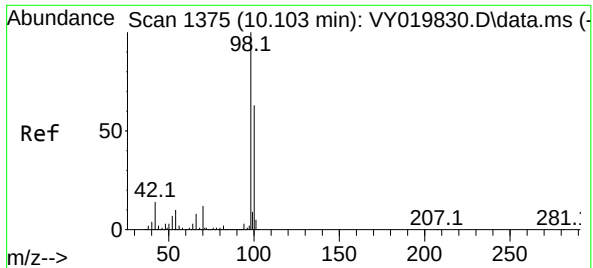
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.2 15.9 23.9

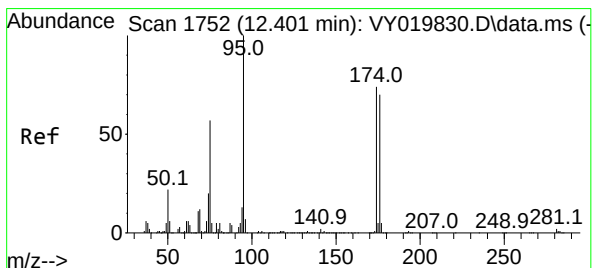
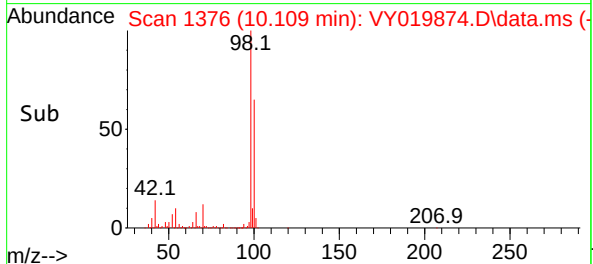
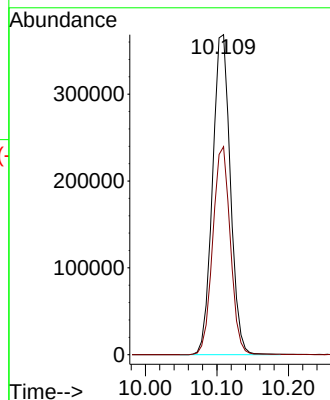
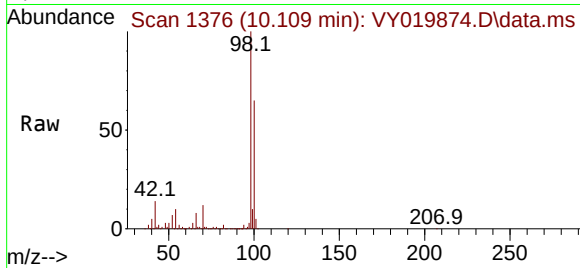




#50
Toluene-d8
Concen: 50.469 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

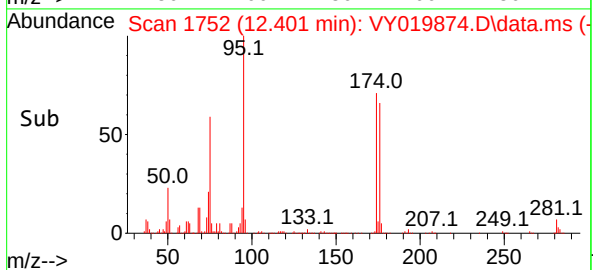
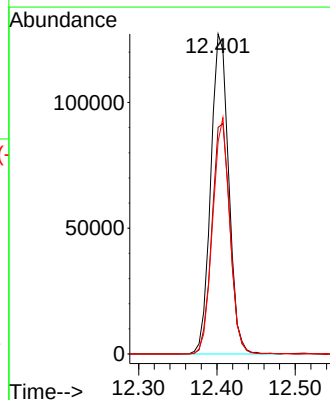
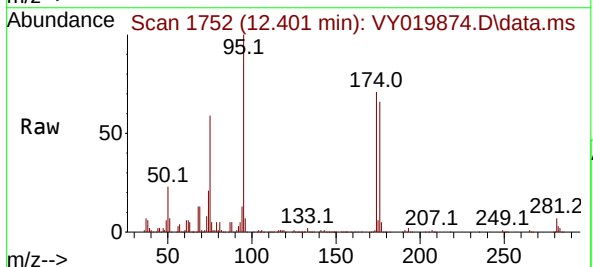
Instrument :
MSVOA_Y
ClientSampleId :
SP-5

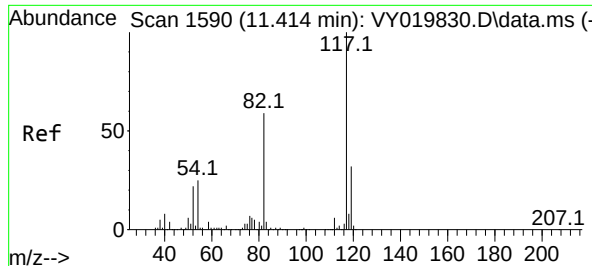
Tgt Ion: 98 Resp: 637807
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.247 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Tgt Ion: 95 Resp: 202049
Ion Ratio Lower Upper
95 100
174 72.8 0.0 175.6
176 71.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

SP-5

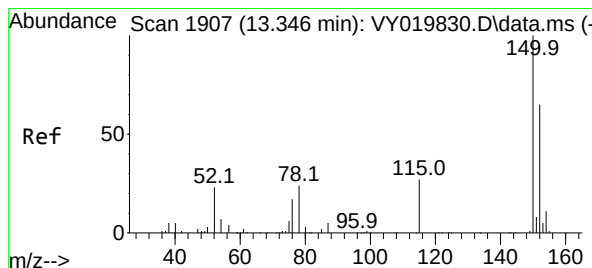
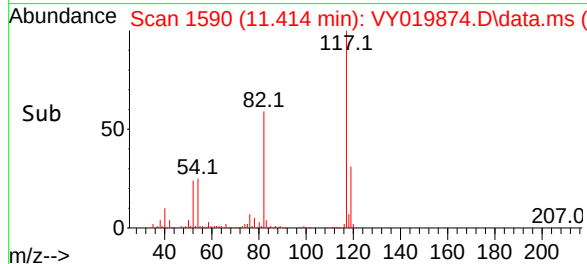
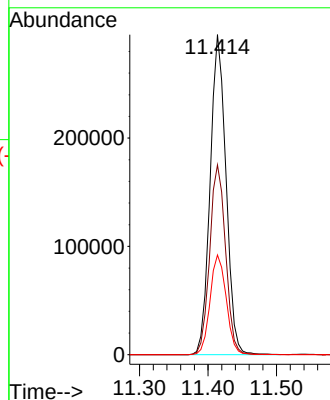
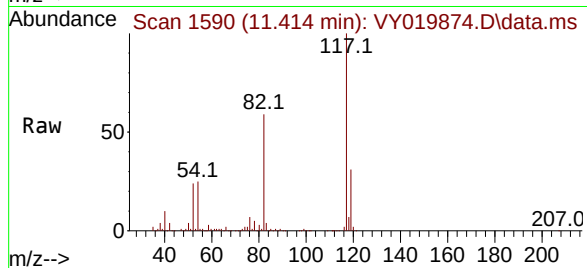
Tgt Ion:117 Resp: 474536

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

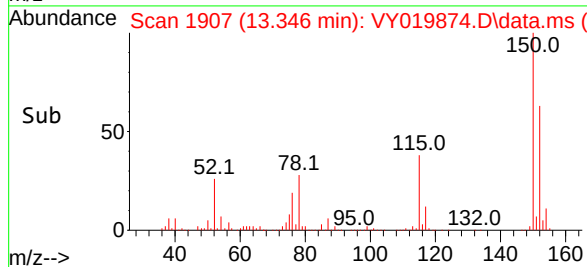
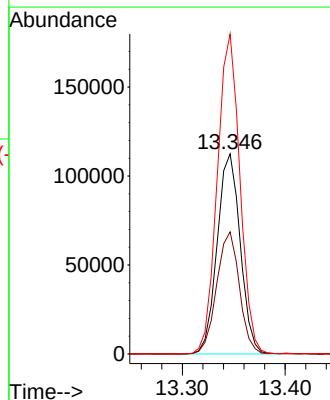
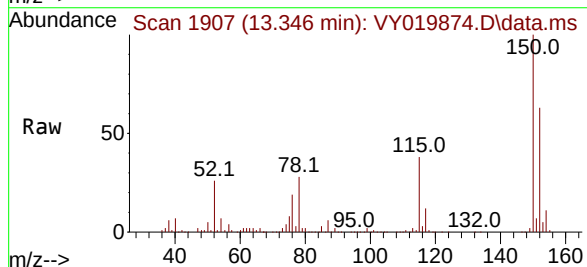
Tgt Ion:152 Resp: 175004

Ion Ratio Lower Upper

152 100

115 60.5 28.2 84.7

150 157.2 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019874.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	465	475	489	rBV4	13963	48139	2.73%	0.522%
2	7.634	960	970	976	rBV	237168	574014	32.57%	6.221%
3	7.713	976	983	993	rVB	363929	831048	47.16%	9.006%
4	8.061	1032	1040	1052	rBV	227825	506069	28.72%	5.484%
5	8.616	1123	1131	1142	rBV	654231	1281264	72.71%	13.885%
6	10.109	1367	1376	1390	rBV	1007666	1762218	100.00%	19.097%
7	11.414	1582	1590	1603	rBV	968929	1563917	88.75%	16.948%
8	12.261	1722	1729	1735	rBV2	15581	25799	1.46%	0.280%
9	12.408	1745	1753	1762	rBV2	712207	1238533	70.28%	13.422%
10	13.346	1900	1907	1914	rVB	744082	1167647	66.26%	12.654%
11	13.883	1989	1995	2002	rVB	146100	229015	13.00%	2.482%

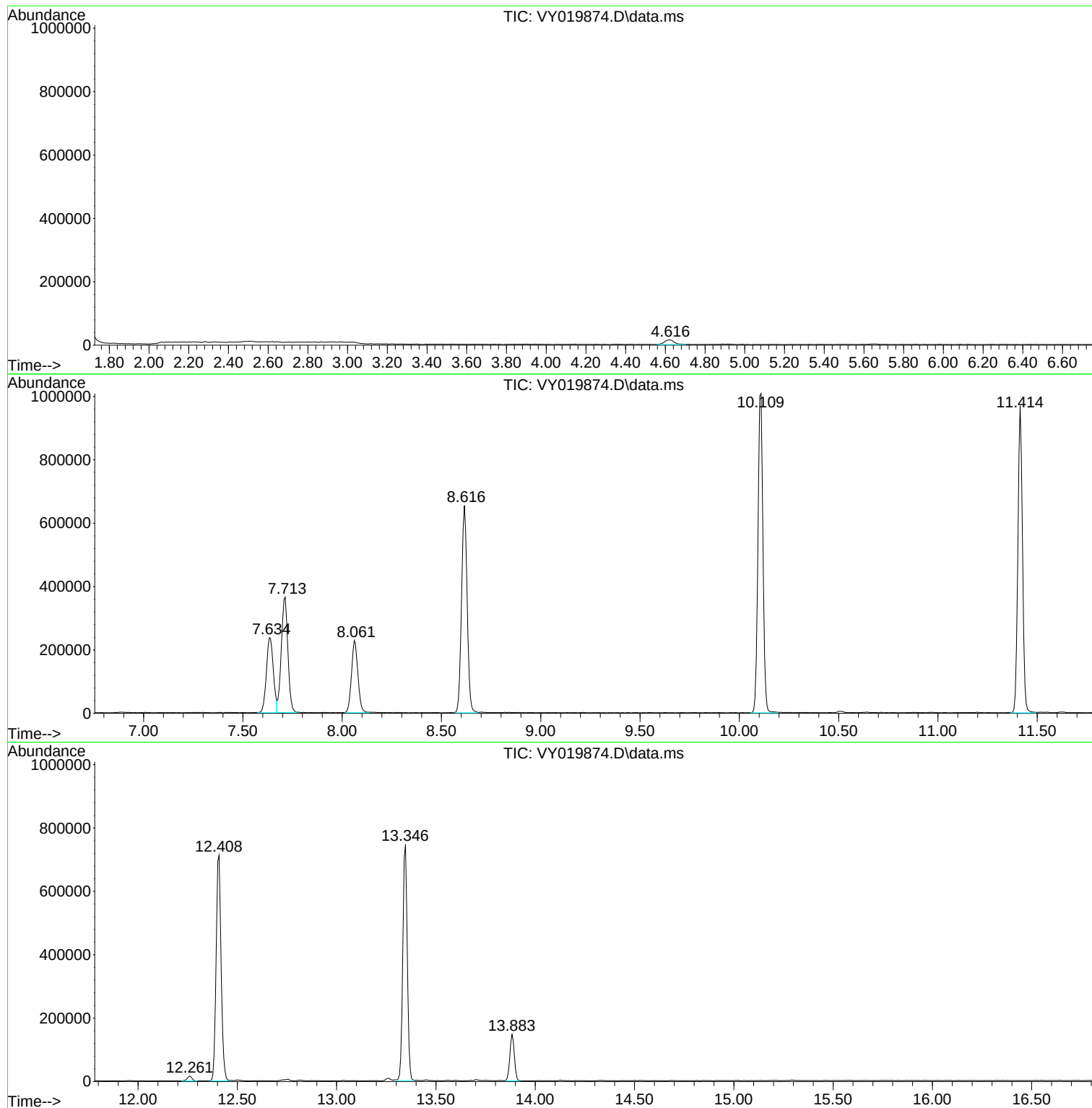
Sum of corrected areas: 9227663

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

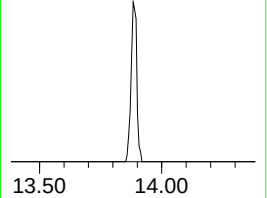
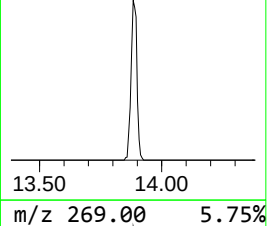
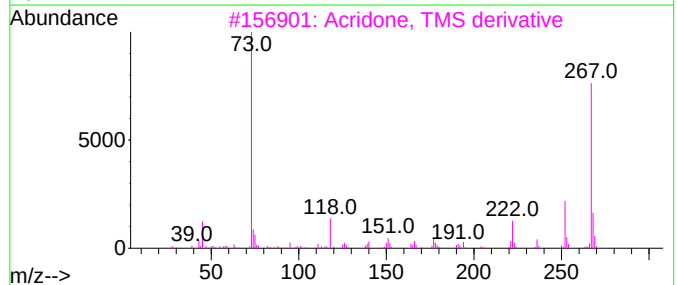
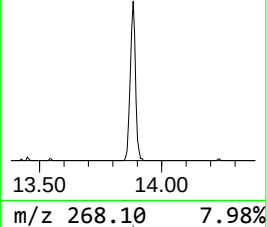
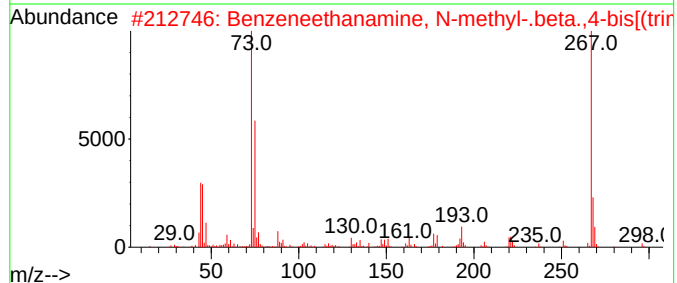
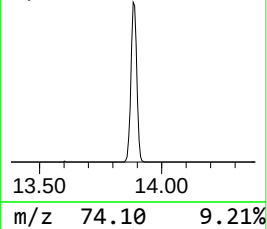
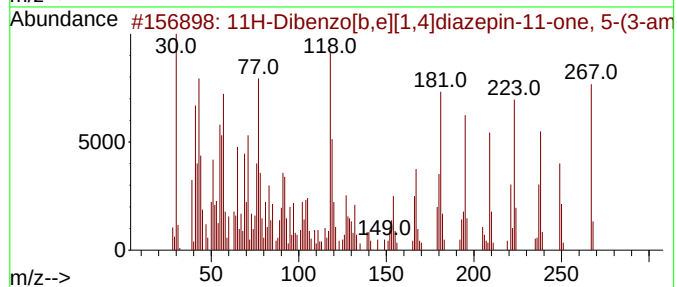
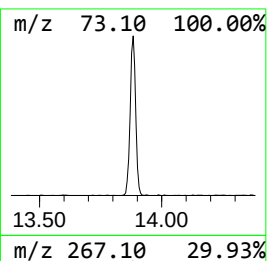
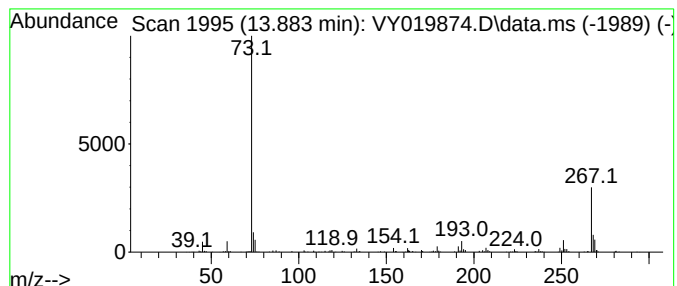
Instrument :
MSVOA_Y
ClientSampleId :
SP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.883	9.81 ug/l	229015	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	93
2	Benzeneethanamine, N-methyl-.bet...	311	C15H29N02Si2	029522-18-7	50
3	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	50
4	5-(3-Pyridinyl)-1,3,4-thiadiazol...	267	C10H13N3S2Si	1000471-43-6	45
5	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019874.D
Acq On : 11 Oct 2024 16:11
Operator : SY/MD
Sample : P4385-09
Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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
11H-Dibenzo[b,e...	13.883	9.8	ug/l	229015	4	13.346	1167650	50.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24
Project:	Robbinsville		Date Received:	10/10/24
Client Sample ID:	SP-6		SDG No.:	P4385
Lab Sample ID:	P4385-11		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	93.6
Sample Wt/Vol:	6.09	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.40	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.40	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.80	U	0.80	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	21.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.55	U	0.55	4.40	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	21.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.40	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.49	U	0.49	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.9	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24	
Project:	Robbinsville		Date Received:	10/10/24	
Client Sample ID:	SP-6		SDG No.:	P4385	
Lab Sample ID:	P4385-11		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.6	
Sample Wt/Vol:	6.09	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	21.9	ug/Kg
124-48-1	Dibromochloromethane	0.57	U	0.57	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	4.40	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.80	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	4.40	ug/Kg
100-42-5	Styrene	0.53	U	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.65	U	0.65	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.70	U	0.70	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.68	U	0.68	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.713			
540-36-3	1,4-Difluorobenzene	522000	8.616			
3114-55-4	Chlorobenzene-d5	476000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.347			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	6.09	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

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\VY101424\
 Data File : VY019887.D
 Acq On : 14 Oct 2024 13:21
 Operator : SY/MD
 Sample : P4385-11
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-6

Quant Time: Oct 15 01:36:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	255373	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	522145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	475654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	169983	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179341	57.035	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.080%
35) Dibromofluoromethane	7.634	113	173376	50.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.640%
50) Toluene-d8	10.109	98	639012	50.221	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.408	95	200799	43.675	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.340%

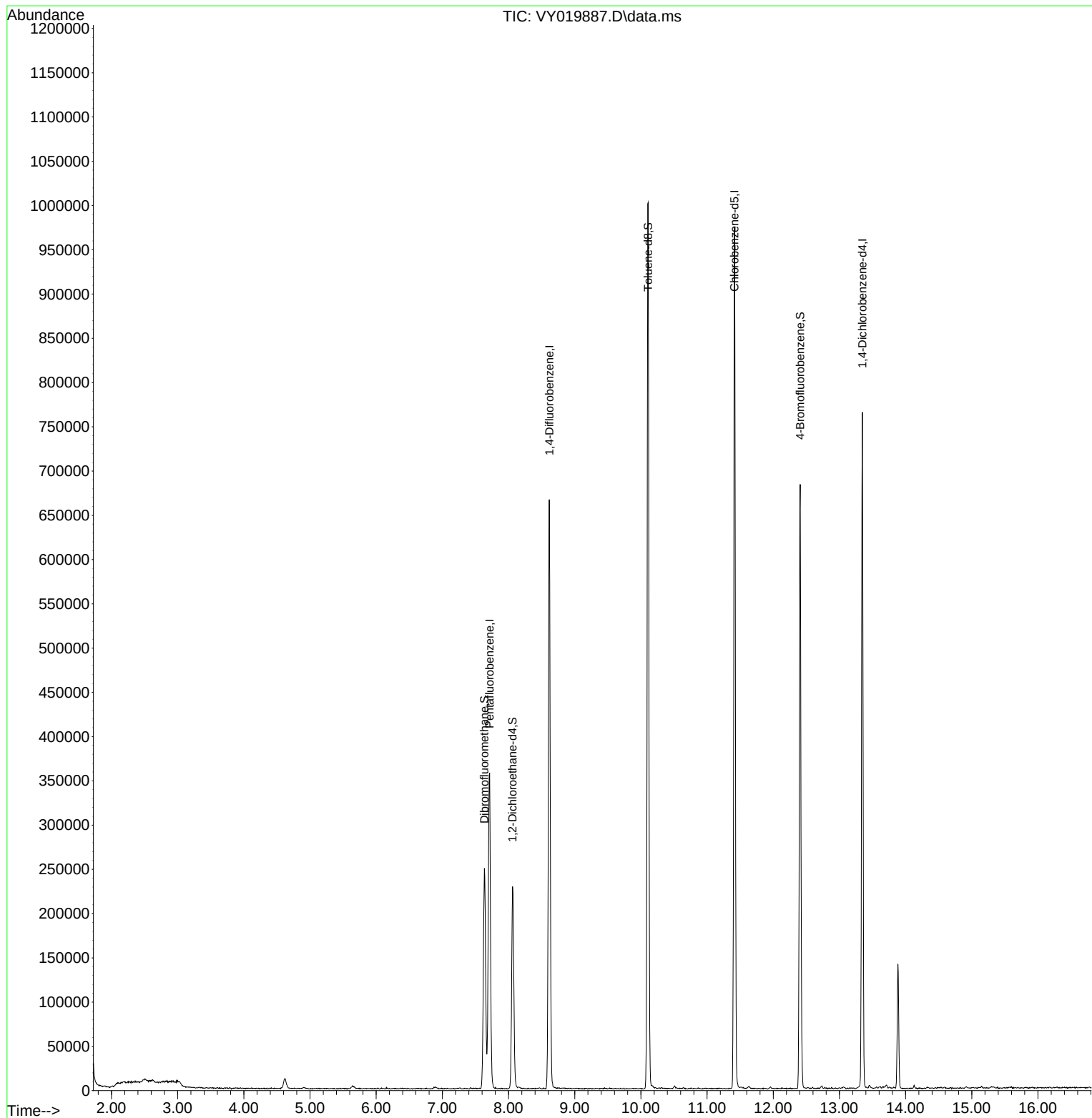
Target Compounds	Qvalue

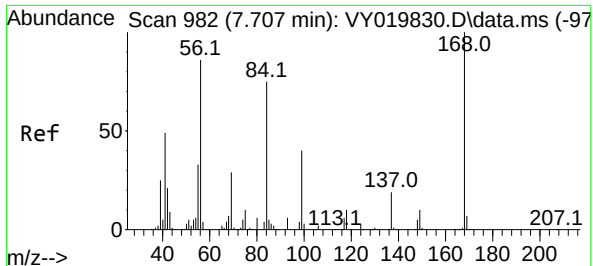
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019887.D
Acq On : 14 Oct 2024 13:21
Operator : SY/MD
Sample : P4385-11
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-6

Quant Time: Oct 15 01:36:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

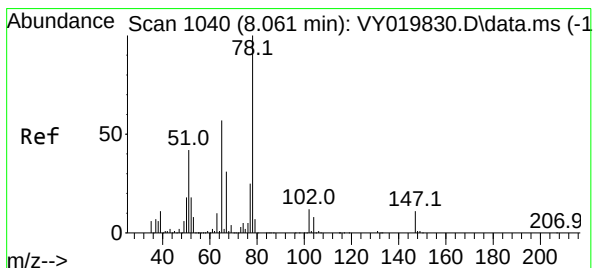
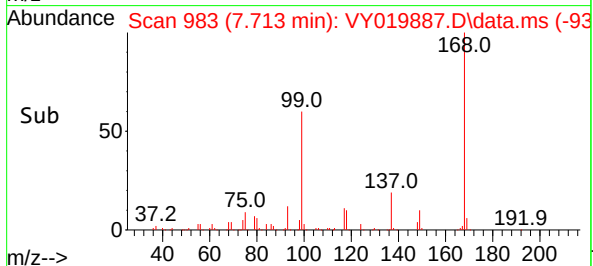
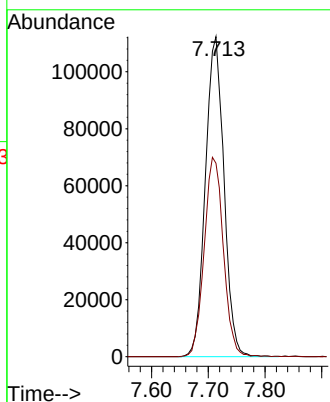
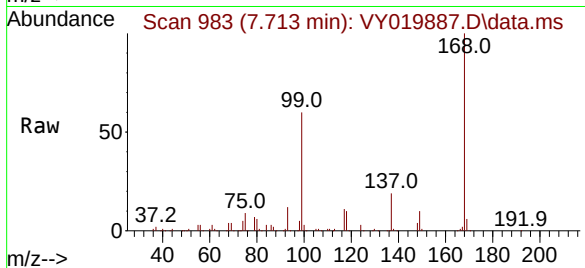




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019887.D
Acq: 14 Oct 2024 13:21

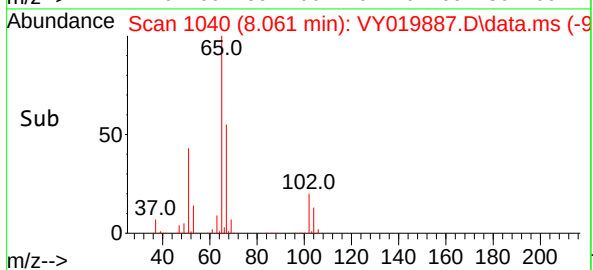
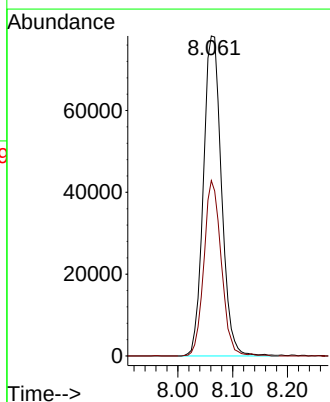
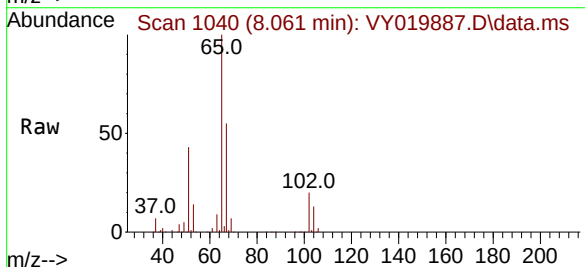
Instrument :
MSVOA_Y
ClientSampleId :
SP-6

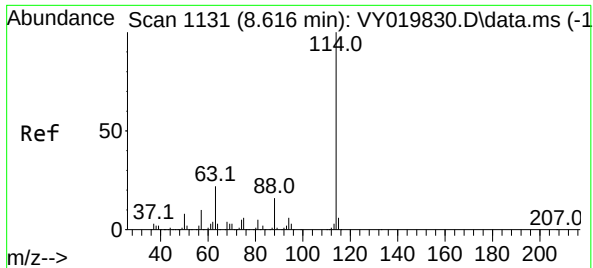
Tgt Ion:168 Resp: 255373
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 57.035 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019887.D
Acq: 14 Oct 2024 13:21

Tgt Ion: 65 Resp: 179341
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-6

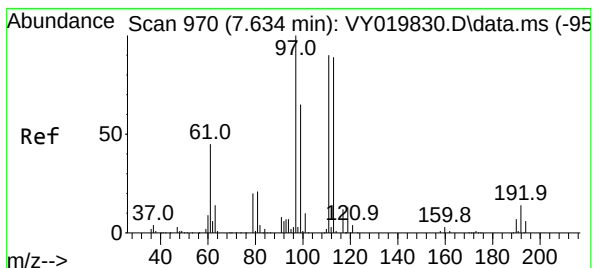
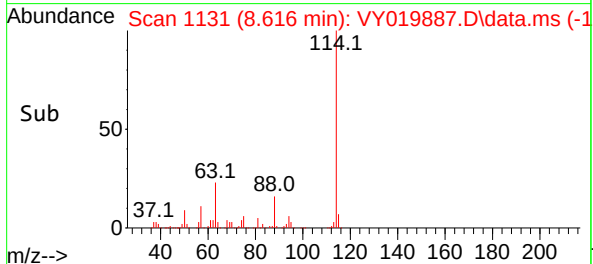
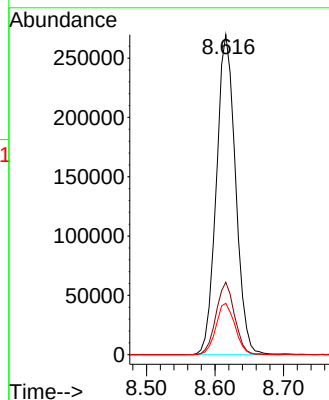
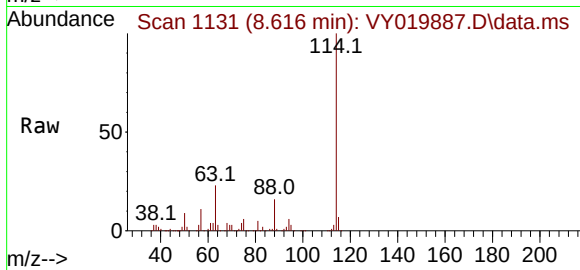
Tgt Ion:114 Resp: 522145

Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

88 16.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.318 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

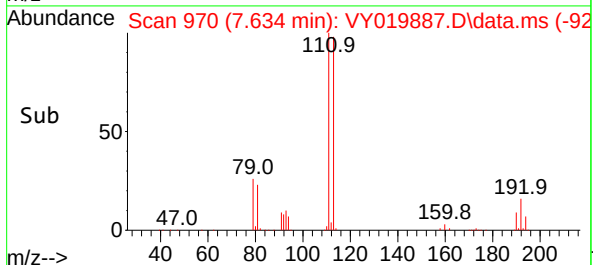
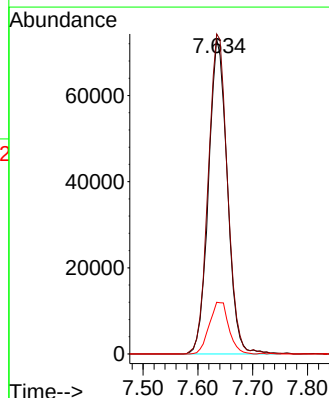
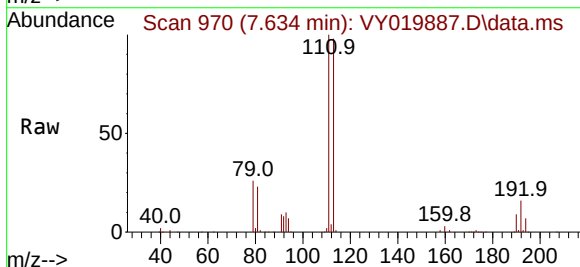
Tgt Ion:113 Resp: 173376

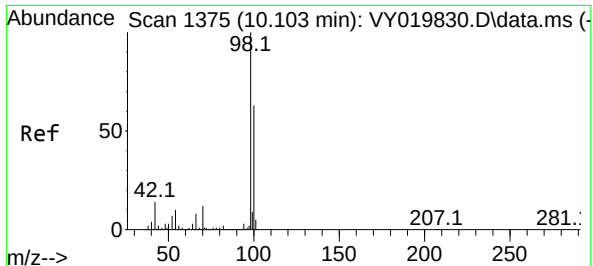
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 17.1 15.9 23.9





#50

Toluene-d8

Concen: 50.221 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :

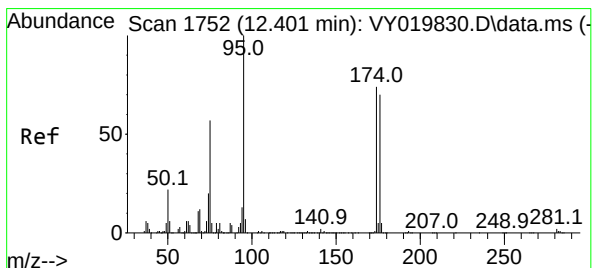
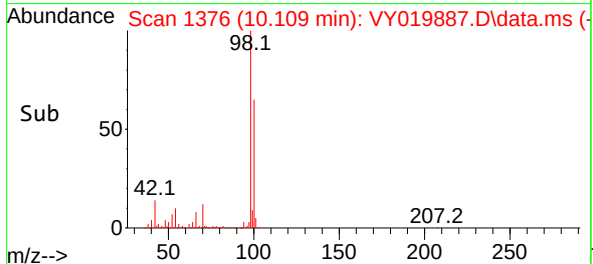
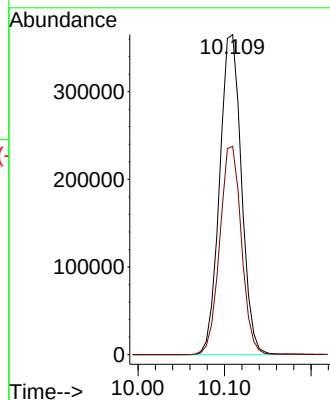
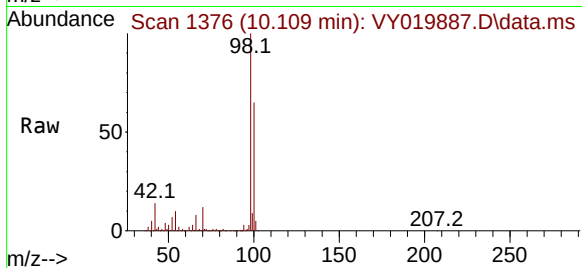
SP-6

Tgt Ion: 98 Resp: 639012

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 43.675 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

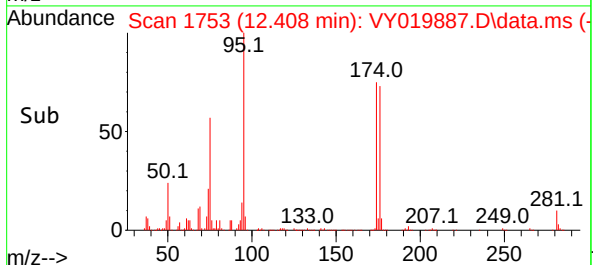
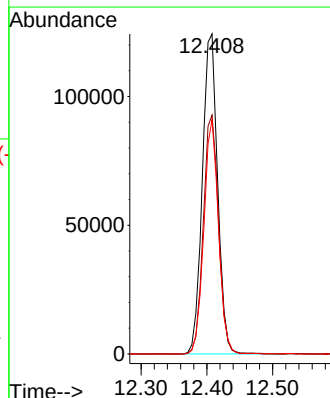
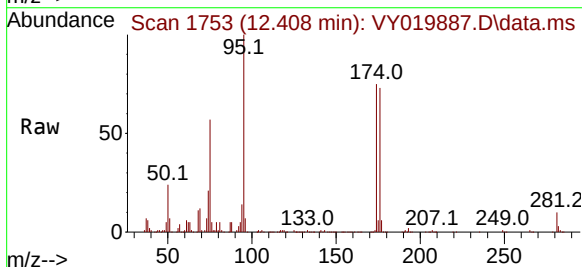
Tgt Ion: 95 Resp: 200799

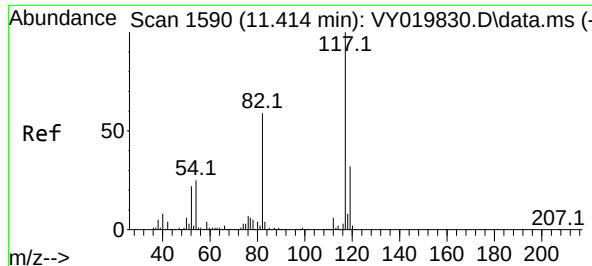
Ion Ratio Lower Upper

95 100

174 74.2 0.0 175.6

176 70.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-6

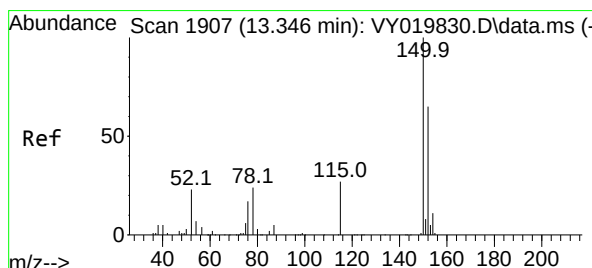
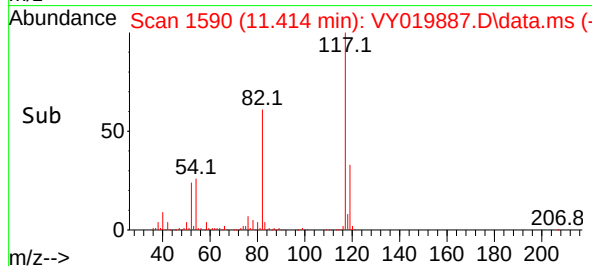
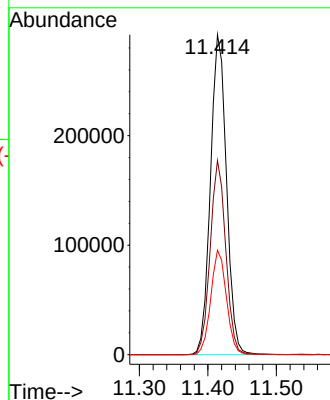
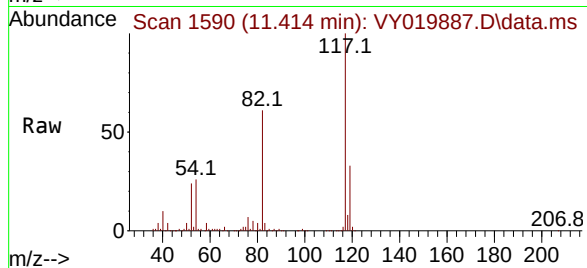
Tgt Ion:117 Resp: 475654

Ion Ratio Lower Upper

117 100

82 60.7 42.4 63.6

119 32.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019887.D

Acq: 14 Oct 2024 13:21

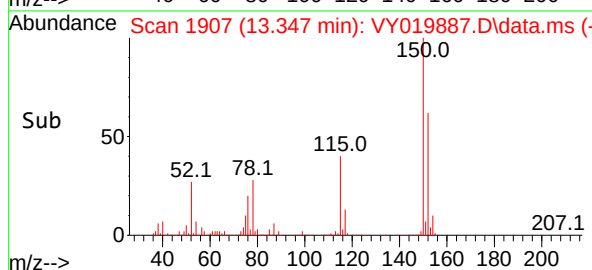
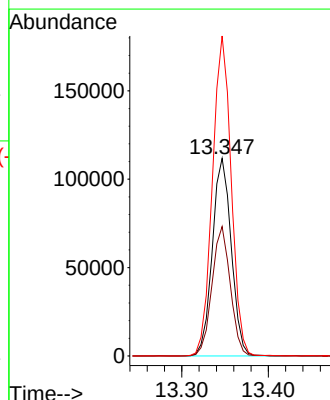
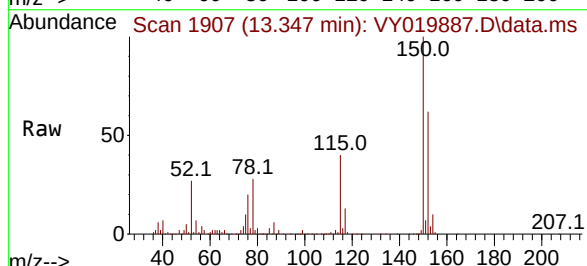
Tgt Ion:152 Resp: 169983

Ion Ratio Lower Upper

152 100

115 63.4 28.2 84.7

150 160.4 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019887.D
Acq On : 14 Oct 2024 13:21
Operator : SY/MD
Sample : P4385-11
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-6

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019887.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.623	467	476	485	rVB3	10586	30346	1.72%	0.331%
2	7.634	961	970	976	rBV	248990	588672	33.28%	6.424%
3	7.713	976	983	996	rVB	356600	837424	47.34%	9.139%
4	8.061	1027	1040	1052	rBV	228652	515627	29.15%	5.627%
5	8.616	1122	1131	1144	rBV	665926	1291162	72.99%	14.091%
6	10.109	1364	1376	1384	rBV	1001393	1768861	100.00%	19.304%
7	11.414	1578	1590	1602	rBV	974089	1575405	89.06%	17.193%
8	12.408	1745	1753	1769	rBV2	682920	1154430	65.26%	12.599%
9	13.347	1890	1907	1915	rBV	764316	1175297	66.44%	12.826%
10	13.883	1989	1995	2005	rVB2	140709	225932	12.77%	2.466%

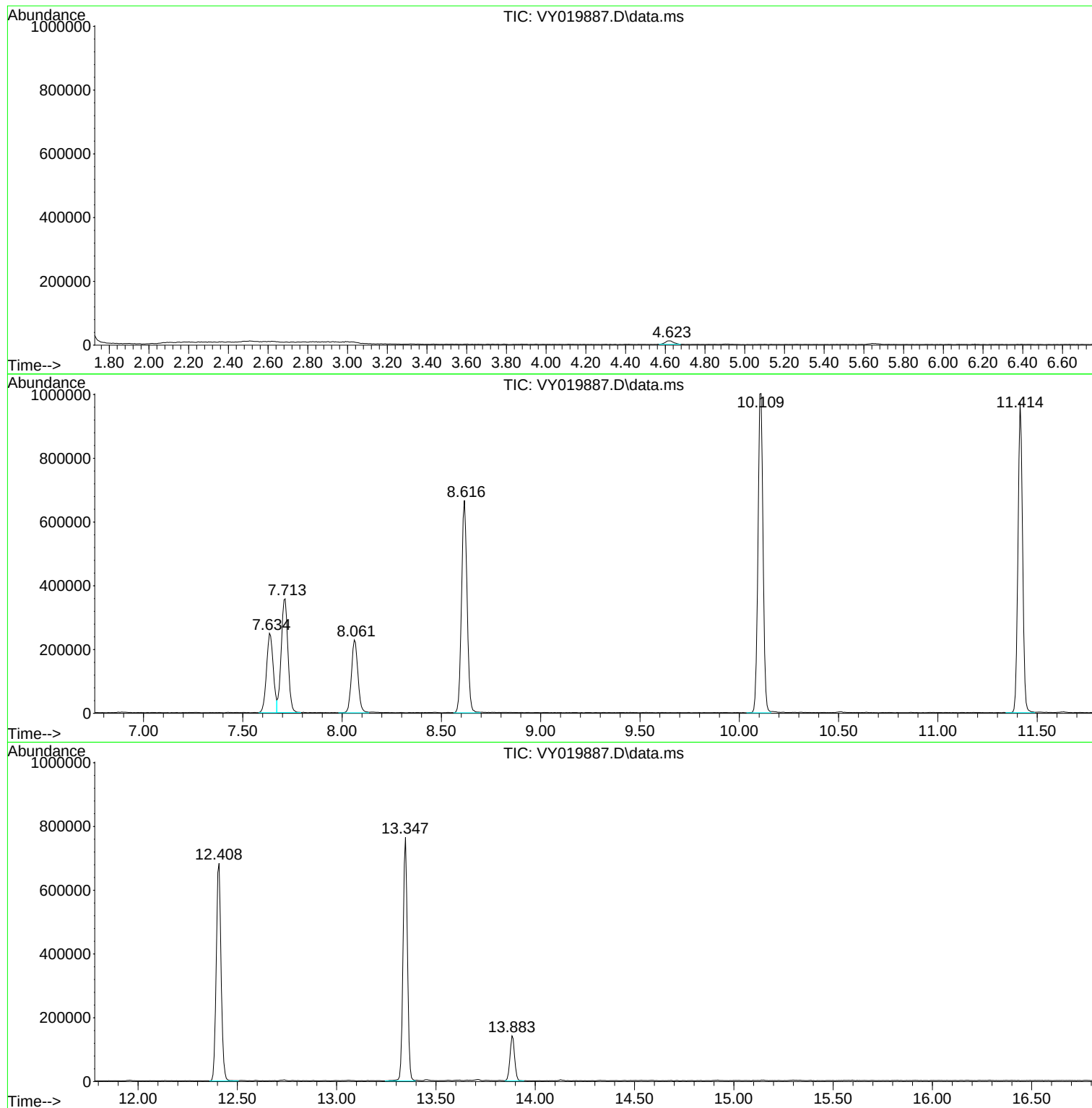
Sum of corrected areas: 9163156

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019887.D
Acq On : 14 Oct 2024 13:21
Operator : SY/MD
Sample : P4385-11
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019887.D
Acq On : 14 Oct 2024 13:21
Operator : SY/MD
Sample : P4385-11
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101424\
Data File : VY019887.D
Acq On : 14 Oct 2024 13:21
Operator : SY/MD
Sample : P4385-11
Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24
Project:	Robbinsville		Date Received:	10/10/24
Client Sample ID:	SP-7		SDG No.:	P4385
Lab Sample ID:	P4385-13		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	93.8
Sample Wt/Vol:	6.77	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	3.90	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.81	U	0.81	3.90	ug/Kg
75-00-3	Chloroethane	0.80	U	0.80	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.61	U	0.61	3.90	ug/Kg
67-64-1	Acetone	4.90	U	4.90	19.7	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.90	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.90	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	3.90	ug/Kg
110-82-7	Cyclohexane	0.54	U	0.54	3.90	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	0.48	3.90	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	3.90	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.90	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.48	U	0.48	3.90	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.7	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.90	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.8
Sample Wt/Vol:	6.77	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	3.90	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	0.51	U	0.51	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.62	U	0.62	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.70	U	0.70	3.90	ug/Kg
108-90-7	Chlorobenzene	0.58	U	0.58	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.90	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	7.90	ug/Kg
95-47-6	o-Xylene	0.55	U	0.55	3.90	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.90	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.58	U	0.58	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.63	U	0.63	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	0.46	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.62	U	0.62	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.61	U	0.61	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		70 (50) - 130 (163)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	513000	8.616			
3114-55-4	Chlorobenzene-d5	465000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.8
Sample Wt/Vol:	6.77 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

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\VY101424\
 Data File : VY019888.D
 Acq On : 14 Oct 2024 13:45
 Operator : SY/MD
 Sample : P4385-13
 Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-7

Quant Time: Oct 15 01:36:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	246979	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	513227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	465047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168651	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178676	58.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.500%
35) Dibromofluoromethane	7.634	113	169620	50.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.160%
50) Toluene-d8	10.109	98	628650	50.265	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.401	95	196315	43.442	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.880%

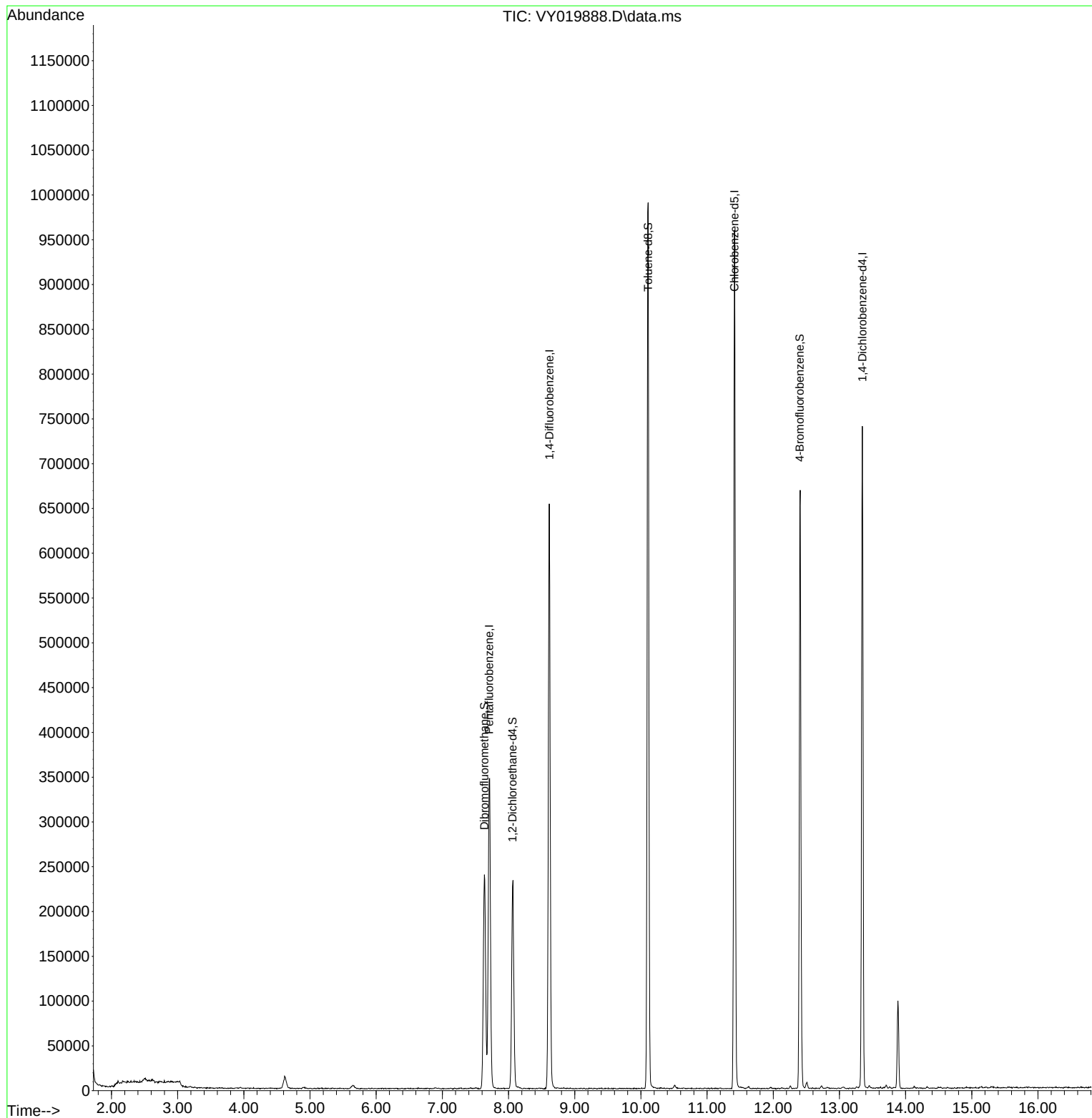
Target Compounds	Qvalue

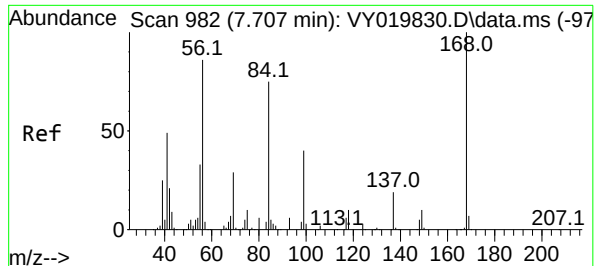
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019888.D
Acq On : 14 Oct 2024 13:45
Operator : SY/MD
Sample : P4385-13
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-7

Quant Time: Oct 15 01:36:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

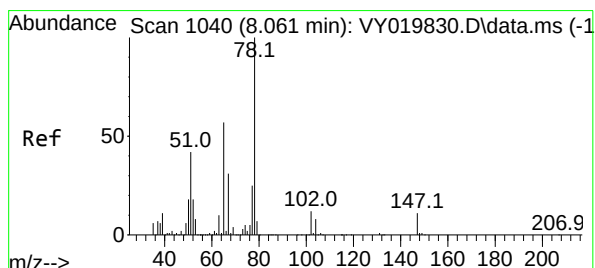
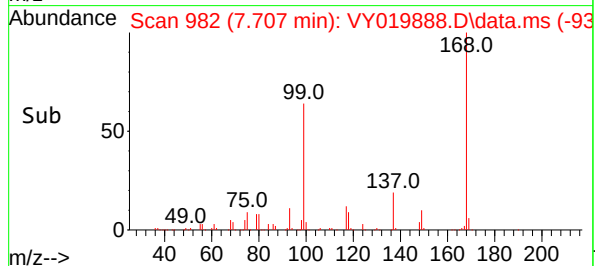
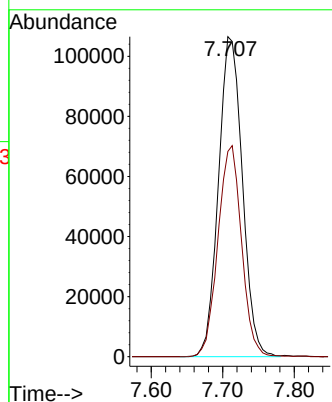
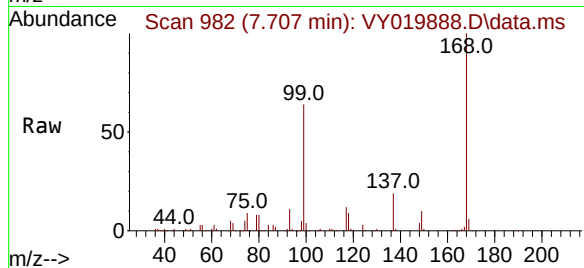




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019888.D
Acq: 14 Oct 2024 13:45

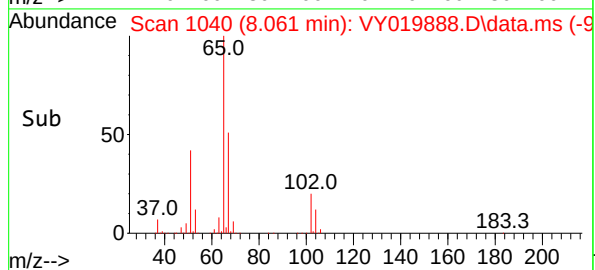
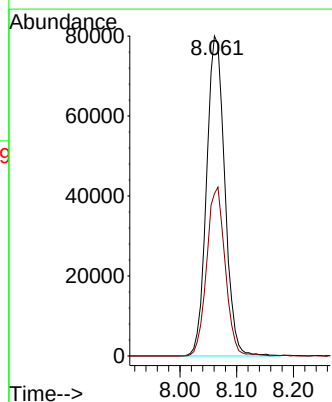
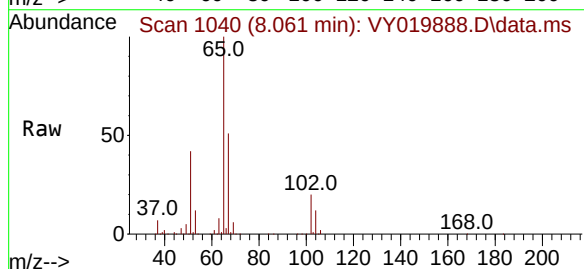
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

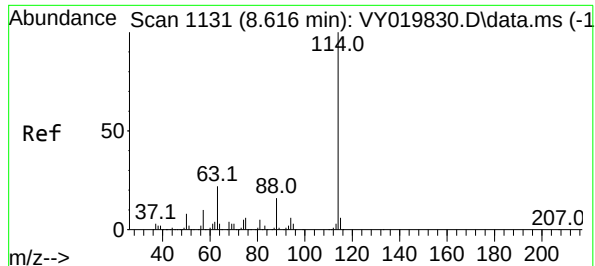
Tgt Ion:168 Resp: 246979
Ion Ratio Lower Upper
168 100
99 64.2 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 58.755 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019888.D
Acq: 14 Oct 2024 13:45

Tgt Ion: 65 Resp: 178676
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019888.D

Acq: 14 Oct 2024 13:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-7

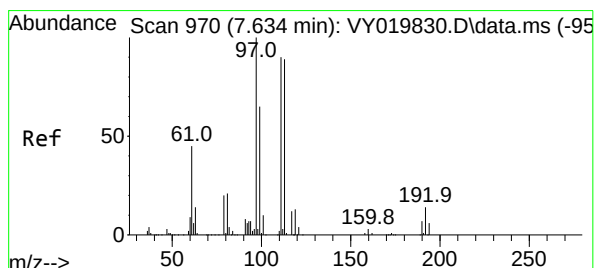
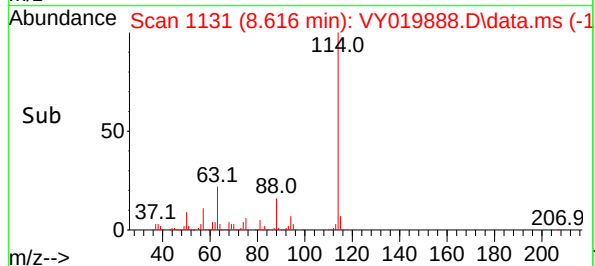
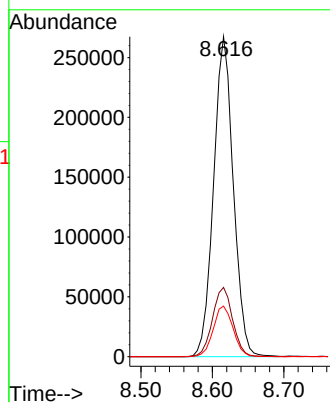
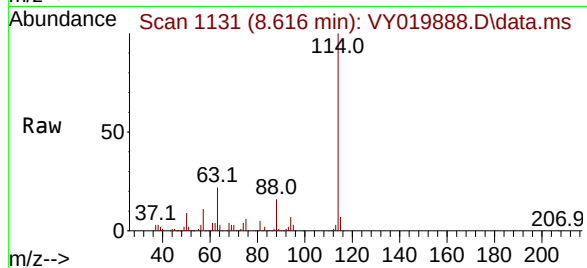
Tgt Ion:114 Resp: 513227

Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

88 15.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.084 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019888.D

Acq: 14 Oct 2024 13:45

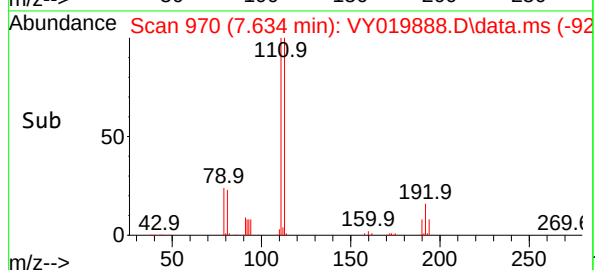
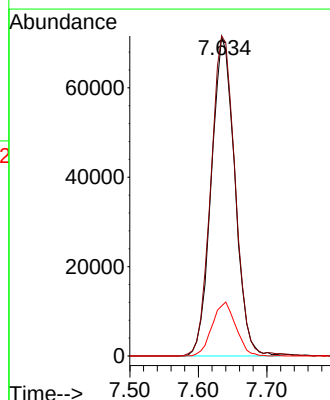
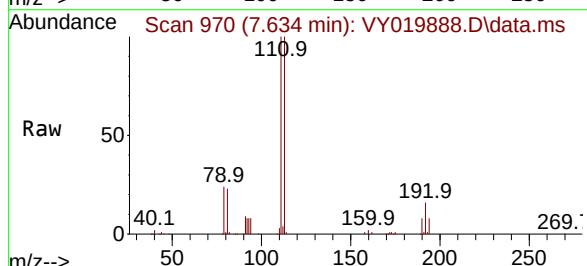
Tgt Ion:113 Resp: 169620

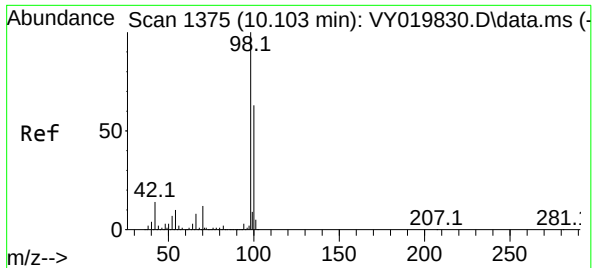
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 17.0 15.9 23.9

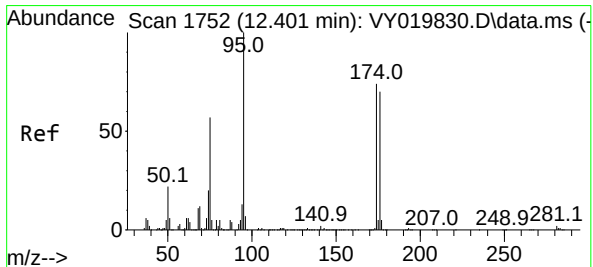
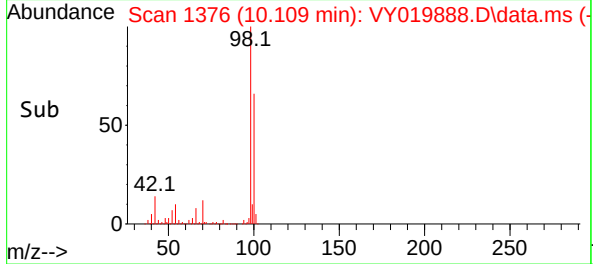
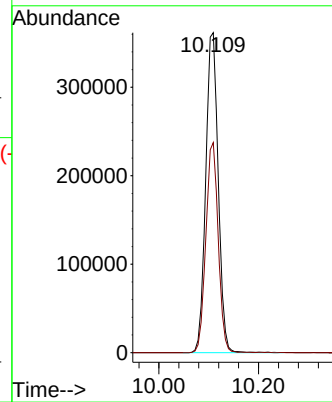
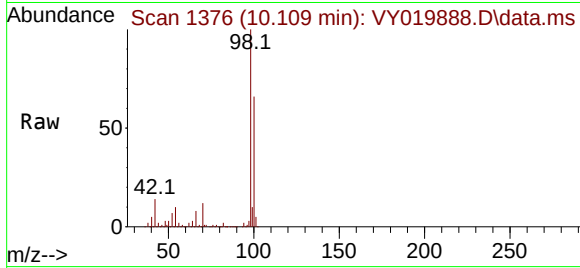




#50
Toluene-d8
Concen: 50.265 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019888.D
Acq: 14 Oct 2024 13:45

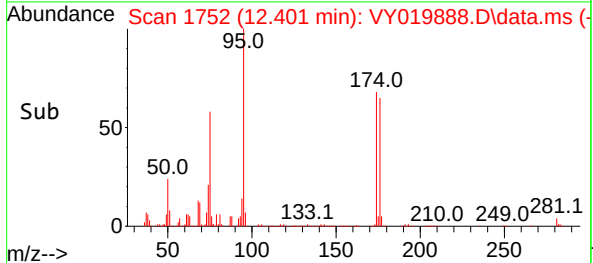
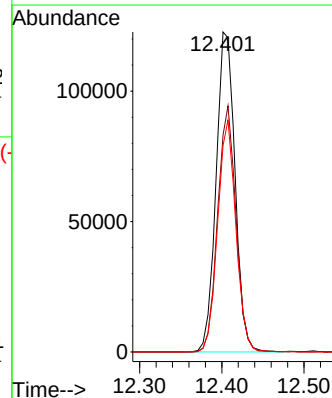
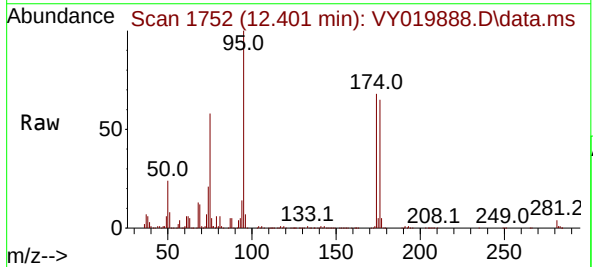
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

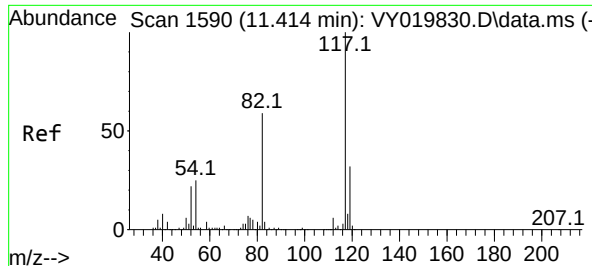
Tgt Ion: 98 Resp: 628650
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.442 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019888.D
Acq: 14 Oct 2024 13:45

Tgt Ion: 95 Resp: 196315
Ion Ratio Lower Upper
95 100
174 74.4 0.0 175.6
176 69.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019888.D

Acq: 14 Oct 2024 13:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-7

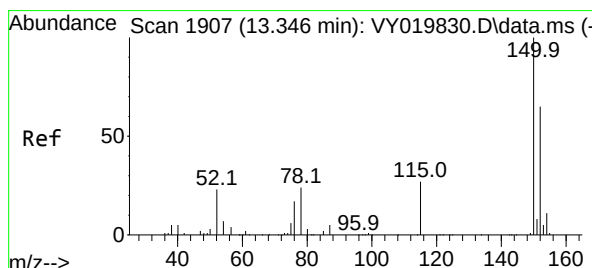
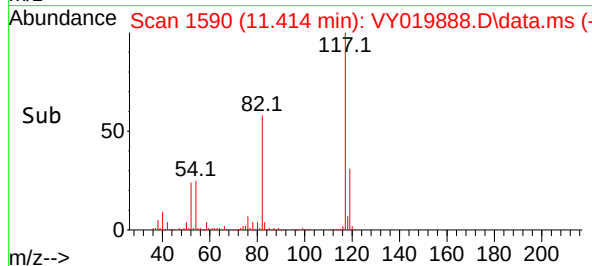
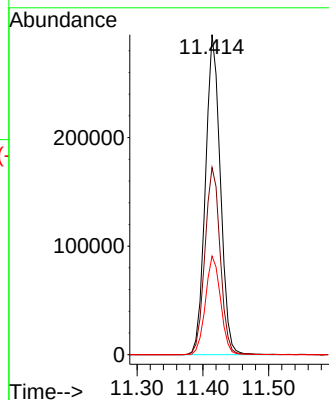
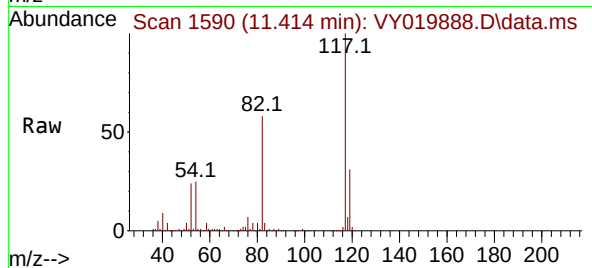
Tgt Ion:117 Resp: 465047

Ion Ratio Lower Upper

117 100

82 58.5 42.4 63.6

119 30.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019888.D

Acq: 14 Oct 2024 13:45

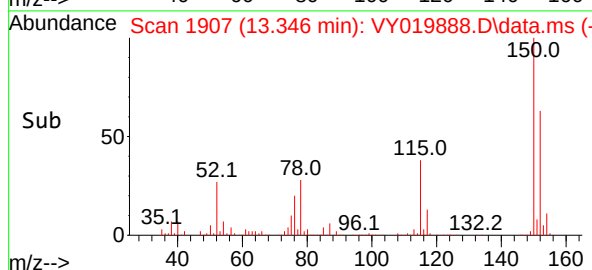
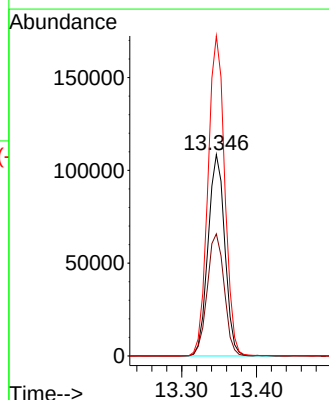
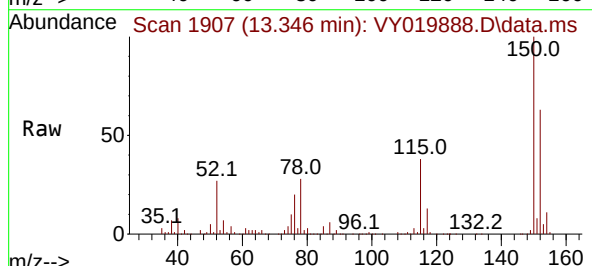
Tgt Ion:152 Resp: 168651

Ion Ratio Lower Upper

152 100

115 61.6 28.2 84.7

150 159.6 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019888.D
Acq On : 14 Oct 2024 13:45
Operator : SY/MD
Sample : P4385-13
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-7

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019888.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	467	475	486	rBV5	13220	37661	2.17%	0.421%
2	7.634	960	970	976	rBV	239151	576271	33.18%	6.447%
3	7.713	976	983	995	rVB	345633	814949	46.92%	9.117%
4	8.067	1031	1041	1050	rBV	232567	514096	29.60%	5.751%
5	8.616	1122	1131	1145	rBV	653028	1271090	73.18%	14.219%
6	10.109	1367	1376	1387	rBV	989180	1737044	100.00%	19.432%
7	11.414	1583	1590	1603	rBV	958672	1540025	88.66%	17.228%
8	12.408	1744	1753	1764	rBV2	668063	1133299	65.24%	12.678%
9	13.346	1897	1907	1920	rVB	738829	1155927	66.55%	12.931%
10	13.883	1989	1995	2003	rVB2	97767	158720	9.14%	1.776%

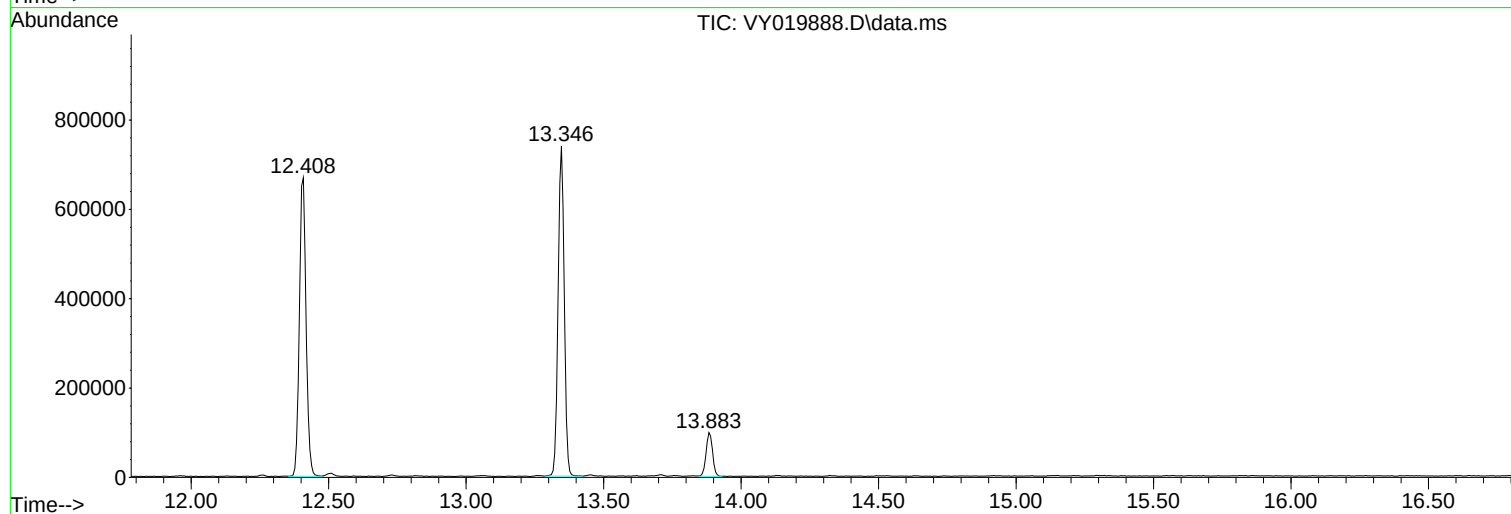
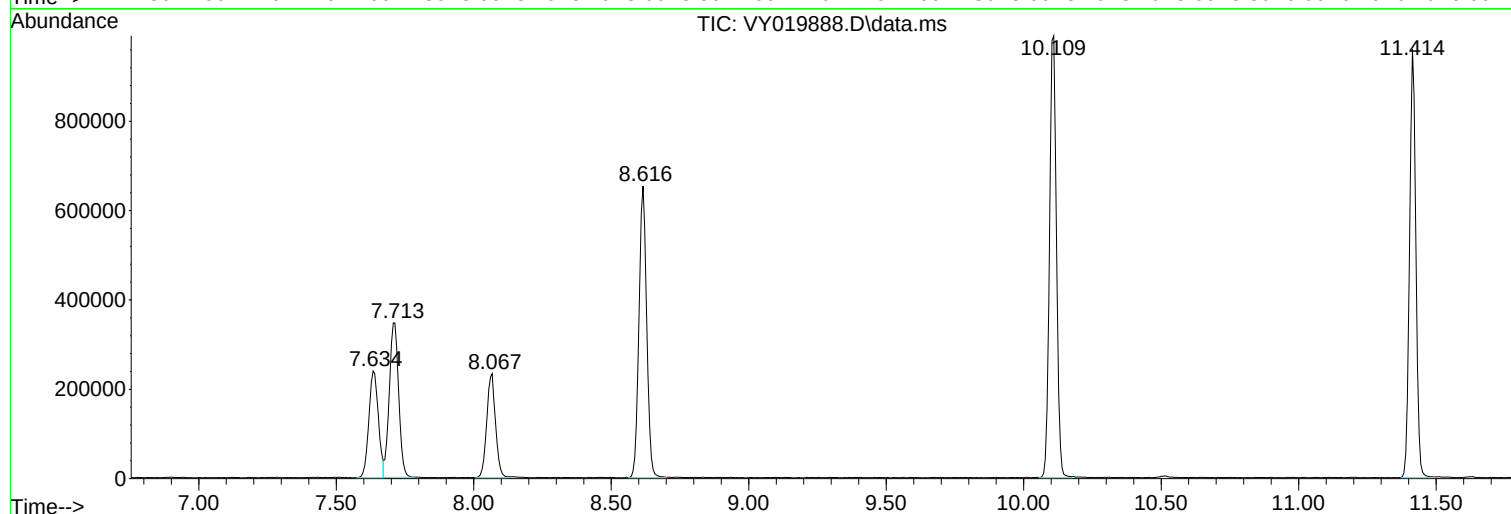
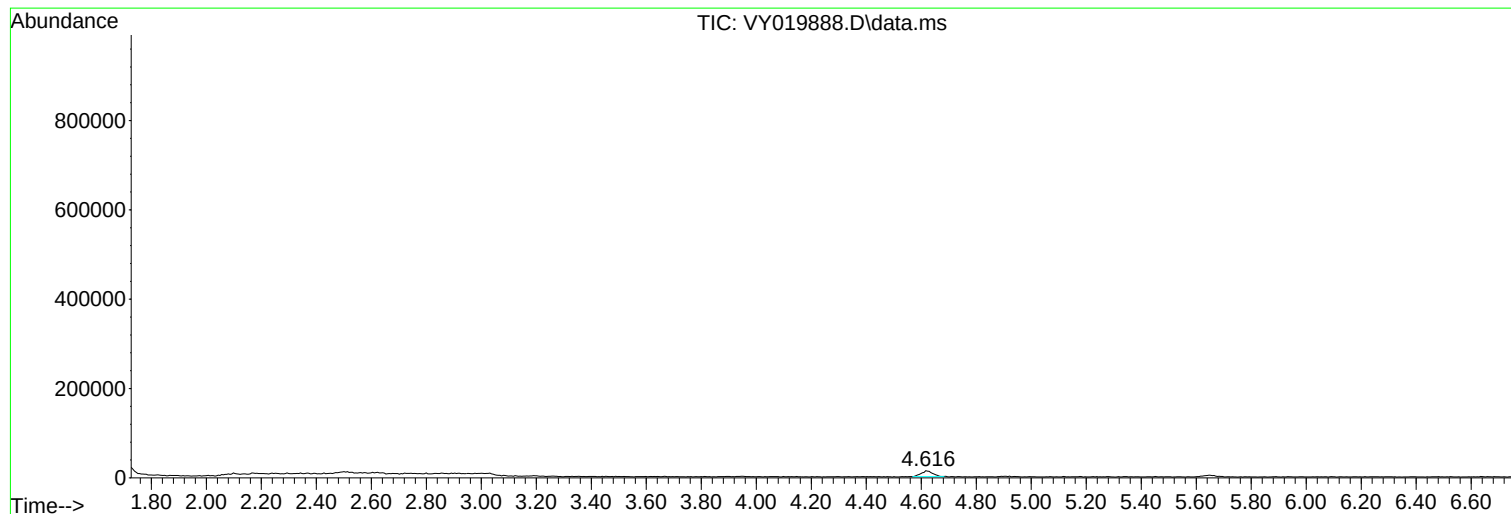
Sum of corrected areas: 8939082

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019888.D
Acq On : 14 Oct 2024 13:45
Operator : SY/MD
Sample : P4385-13
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019888.D
Acq On : 14 Oct 2024 13:45
Operator : SY/MD
Sample : P4385-13
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101424\
Data File : VY019888.D
Acq On : 14 Oct 2024 13:45
Operator : SY/MD
Sample : P4385-13
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.98	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.40	ug/Kg
74-83-9	Bromomethane	0.91	U	0.91	4.40	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.81	U	0.81	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.69	U	0.69	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	22.1	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.56	U	0.56	4.40	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.77	U	0.77	4.40	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.50	U	0.50	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	22.1	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24	
Project:	Robbinsville		Date Received:	10/10/24	
Client Sample ID:	SP-8		SDG No.:	P4385	
Lab Sample ID:	P4385-15		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	94.4	
Sample Wt/Vol:	5.98	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.58	U	0.58	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	4.40	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.90	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	4.40	ug/Kg
100-42-5	Styrene	0.53	U	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.71	U	0.71	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	0.70	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (50) - 130 (163)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	7.713			
540-36-3	1,4-Difluorobenzene	497000	8.616			
3114-55-4	Chlorobenzene-d5	438000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.346			

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.98 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

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\VY101124\
 Data File : VY019877.D
 Acq On : 11 Oct 2024 17:21
 Operator : SY/MD
 Sample : P4385-15
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-8

Quant Time: Oct 14 01:50:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	248032	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	496793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	438194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165681	54.250	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.500%
35) Dibromofluoromethane	7.634	113	162919	49.696	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.103	98	596917	49.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.401	95	183010	41.837	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	83.680%

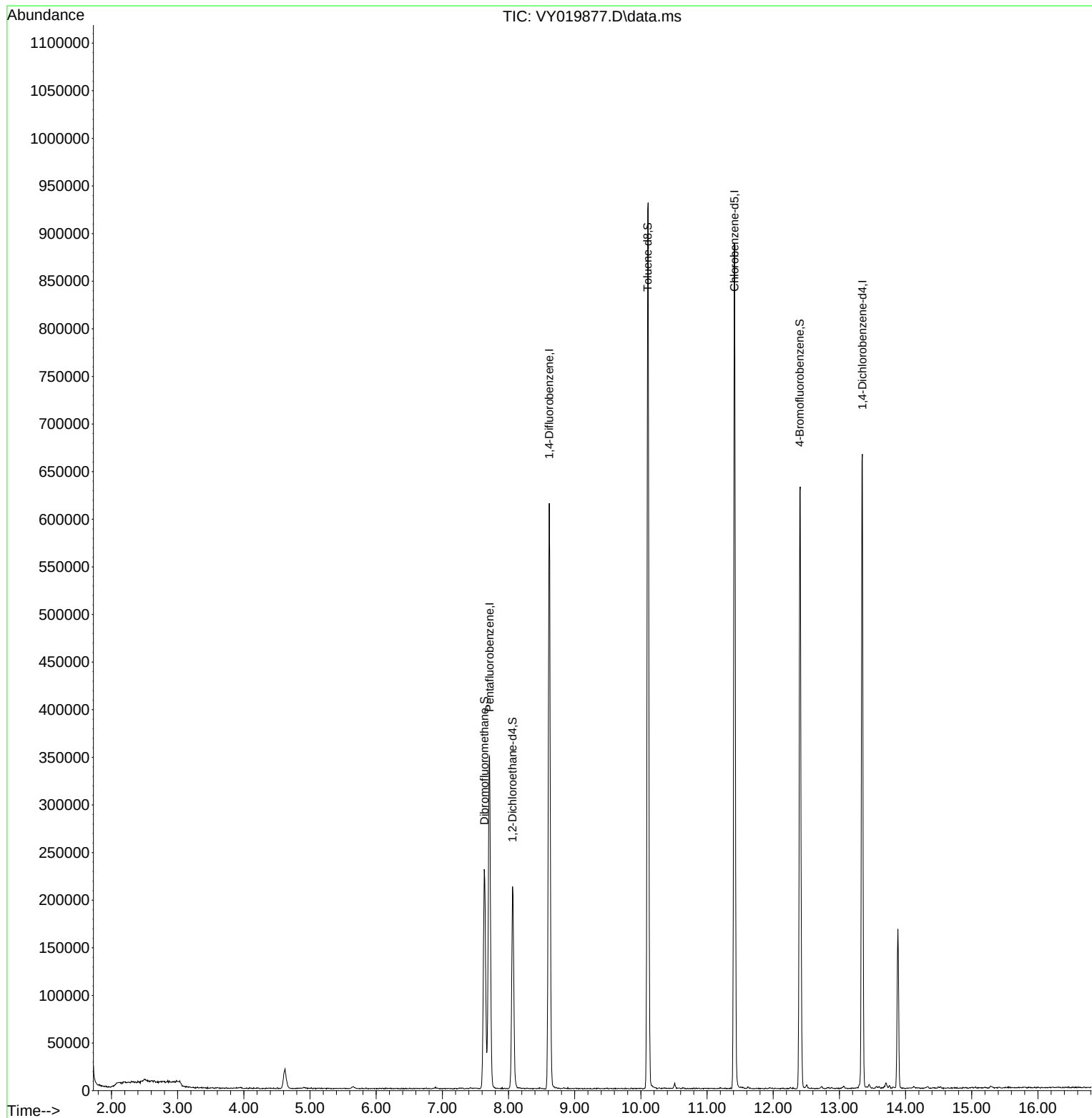
Target Compounds	Qvalue

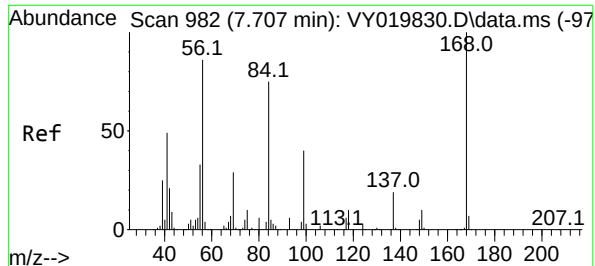
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019877.D
Acq On : 11 Oct 2024 17:21
Operator : SY/MD
Sample : P4385-15
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-8

Quant Time: Oct 14 01:50:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

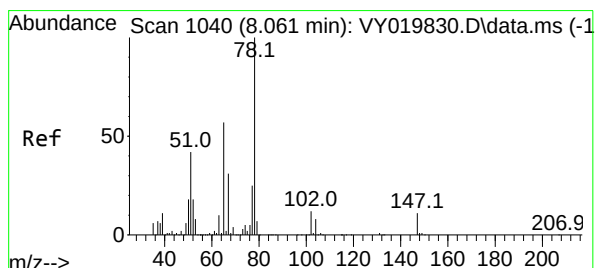
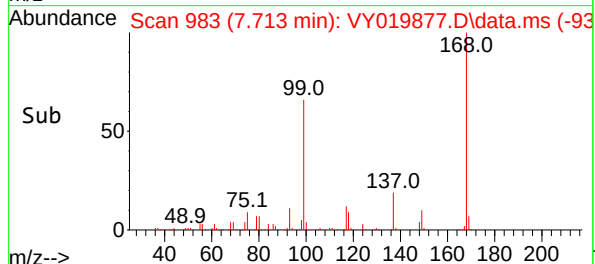
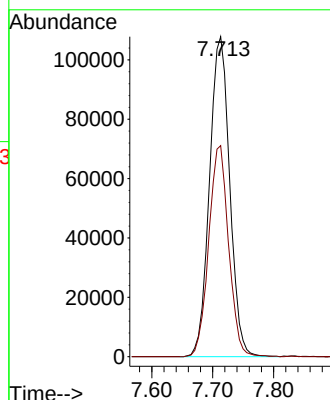
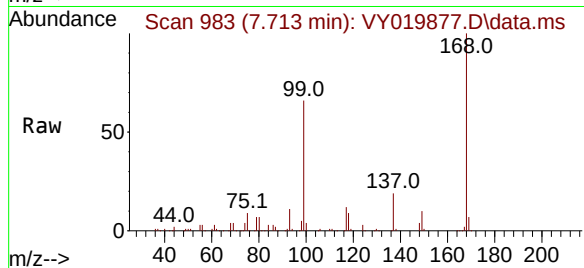




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019877.D
Acq: 11 Oct 2024 17:21

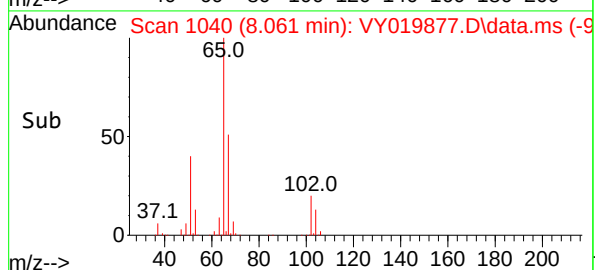
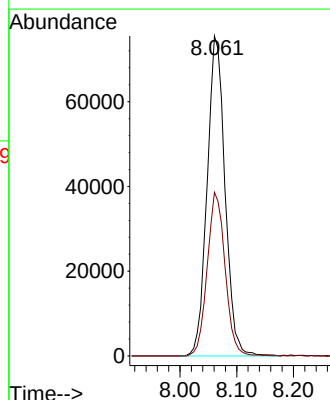
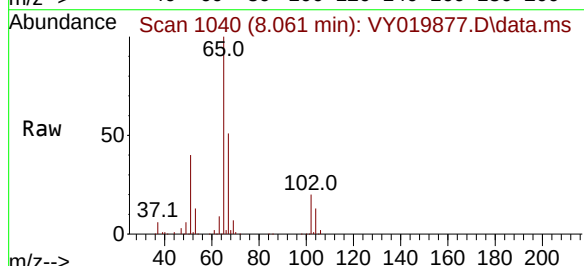
Instrument :
MSVOA_Y
ClientSampleId :
SP-8

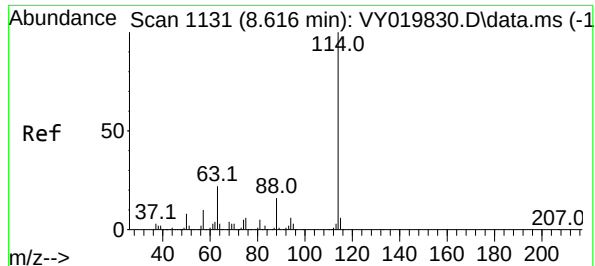
Tgt Ion:168 Resp: 248032
Ion Ratio Lower Upper
168 100
99 65.9 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 54.250 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019877.D
Acq: 11 Oct 2024 17:21

Tgt Ion: 65 Resp: 165681
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-8

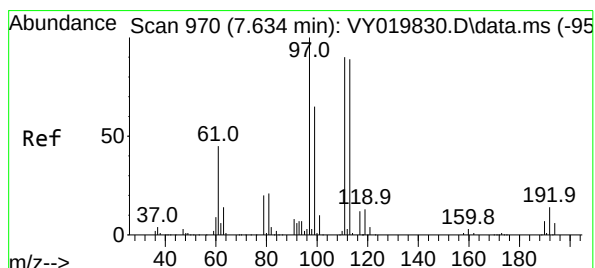
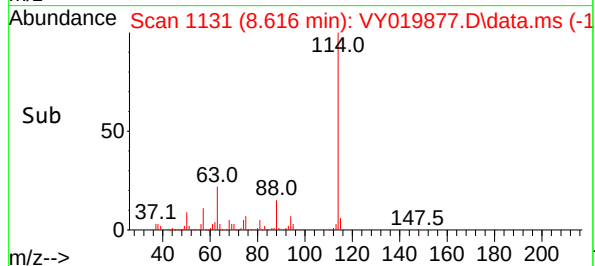
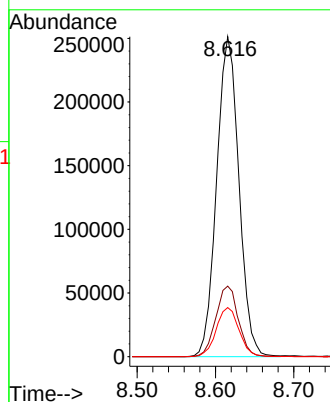
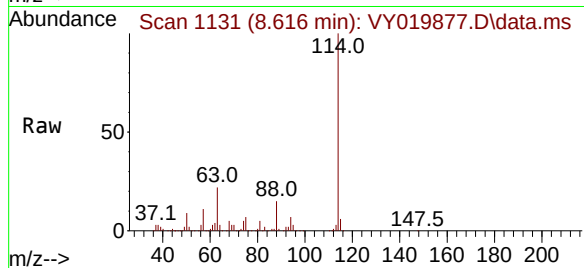
Tgt Ion:114 Resp: 496793

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.696 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

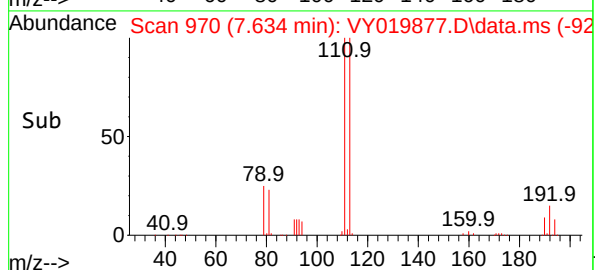
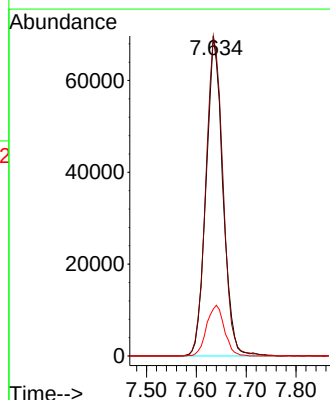
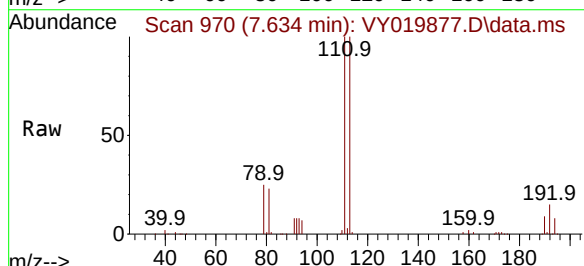
Tgt Ion:113 Resp: 162919

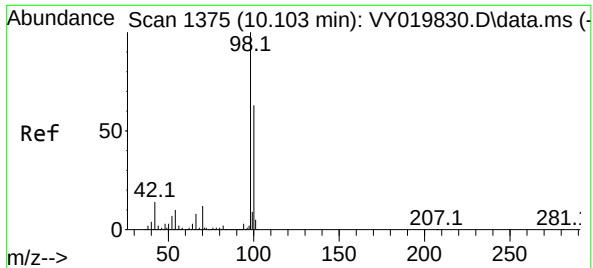
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 16.8 15.9 23.9





#50

Toluene-d8

Concen: 49.306 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

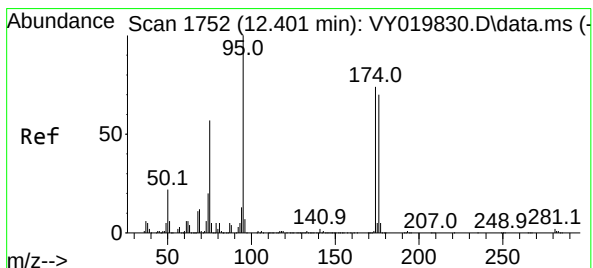
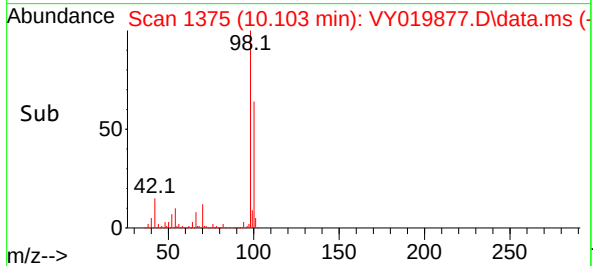
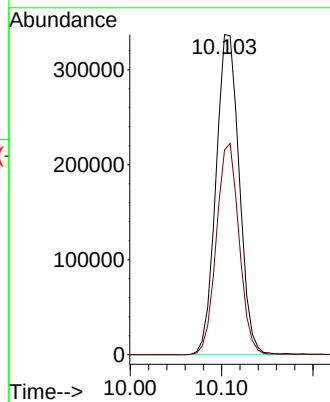
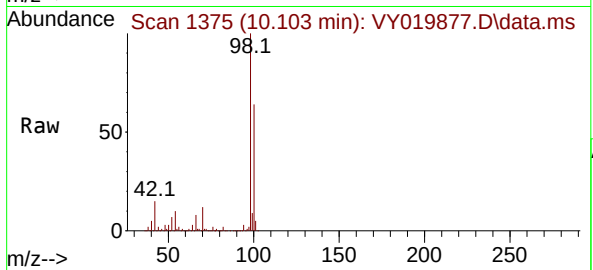
SP-8

Tgt Ion: 98 Resp: 596917

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.837 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

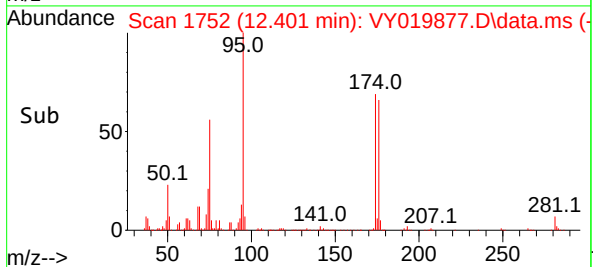
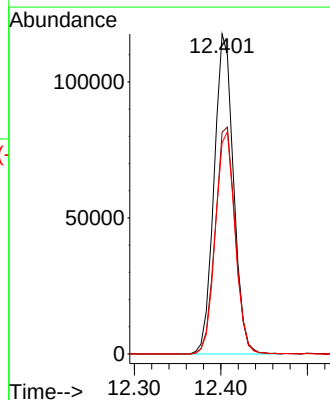
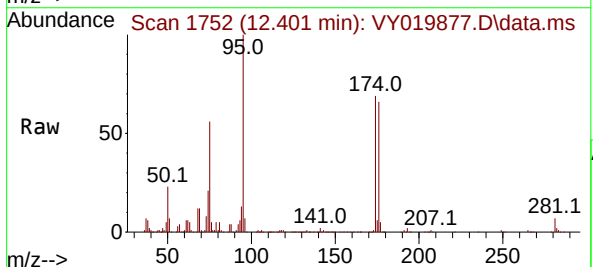
Tgt Ion: 95 Resp: 183010

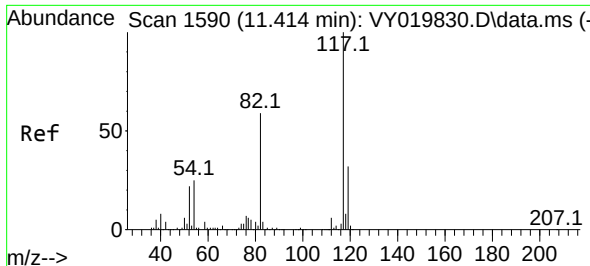
Ion Ratio Lower Upper

95 100

174 73.1 0.0 175.6

176 70.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SP-8

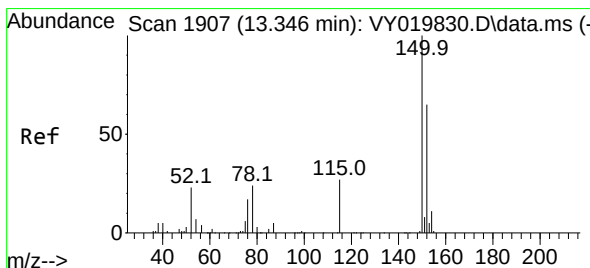
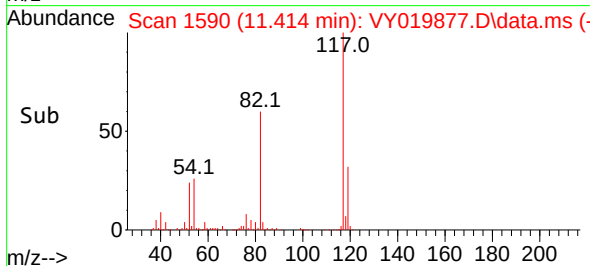
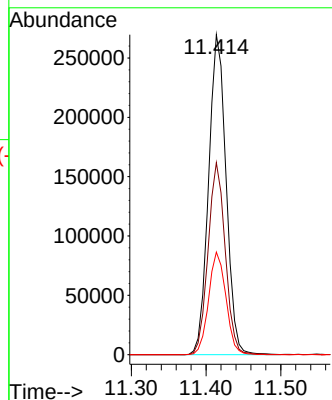
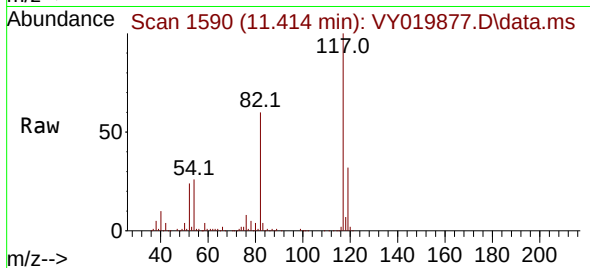
Tgt Ion:117 Resp: 438194

Ion Ratio Lower Upper

117 100

82 60.0 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019877.D

Acq: 11 Oct 2024 17:21

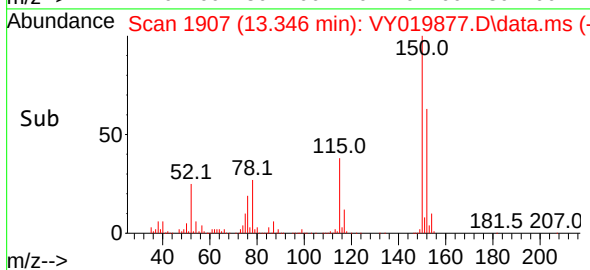
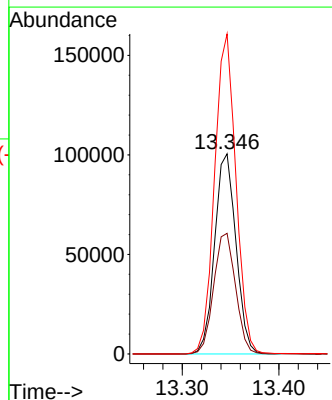
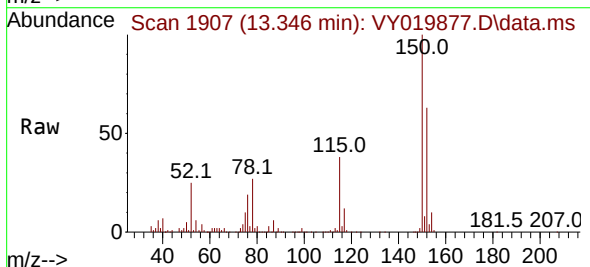
Tgt Ion:152 Resp: 154054

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 159.6 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019877.D
Acq On : 11 Oct 2024 17:21
Operator : SY/MD
Sample : P4385-15
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-8

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019877.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	491	rBV3	20756	64119	3.88%	0.741%
2	7.634	958	970	976	rBV2	230555	547208	33.13%	6.322%
3	7.713	976	983	994	rVB	347955	812314	49.18%	9.385%
4	8.061	1029	1040	1052	rBV	212465	469860	28.45%	5.428%
5	8.616	1121	1131	1142	rBV	615098	1227755	74.33%	14.185%
6	10.109	1368	1376	1385	rBV	930038	1651781	100.00%	19.084%
7	11.414	1583	1590	1603	rBV	887832	1443783	87.41%	16.681%
8	12.408	1742	1753	1763	rBV2	632362	1110893	67.25%	12.835%
9	13.346	1896	1907	1915	rBV	665737	1059617	64.15%	12.242%
10	13.883	1988	1995	2001	rBV2	166721	268162	16.23%	3.098%

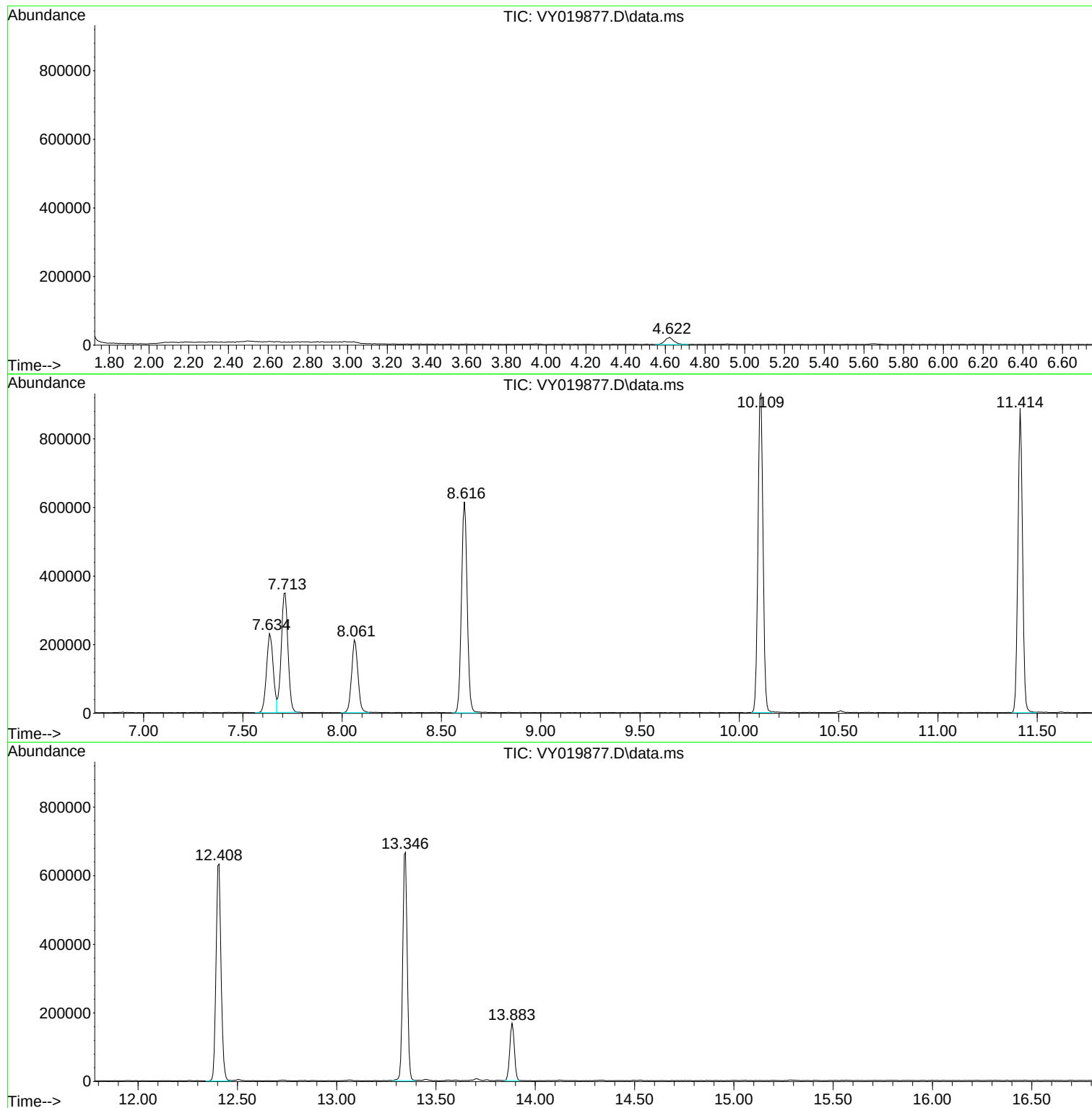
Sum of corrected areas: 8655492

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019877.D
Acq On : 11 Oct 2024 17:21
Operator : SY/MD
Sample : P4385-15
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019877.D
Acq On : 11 Oct 2024 17:21
Operator : SY/MD
Sample : P4385-15
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101124\
Data File : VY019877.D
Acq On : 11 Oct 2024 17:21
Operator : SY/MD
Sample : P4385-15
Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	6.26 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.30	ug/Kg
74-87-3	Chloromethane	0.99	U	0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.30	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.30	ug/Kg
75-00-3	Chloroethane	0.86	U	0.86	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.78	U	0.78	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.67	U	0.67	4.30	ug/Kg
67-64-1	Acetone	5.30	U	5.30	21.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	4.30	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.30	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	4.30	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.52	U	0.52	4.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.30	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.67	U	0.67	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.30	ug/Kg
71-43-2	Benzene	0.62	U	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	4.30	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.56	U	0.56	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.48	U	0.48	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	21.4	ug/Kg
108-88-3	Toluene	0.57	U	0.57	4.30	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-9			SDG No.:	P4385
Lab Sample ID:	P4385-17			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	93.4
Sample Wt/Vol:	6.26	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.72	U	0.72	4.30	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	21.4	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	4.30	ug/Kg
108-90-7	Chlorobenzene	0.63	U	0.63	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.60	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	4.30	ug/Kg
100-42-5	Styrene	0.51	U	0.51	4.30	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.94	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.63	U	0.63	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.68	U	0.68	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.67	U	0.67	4.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.7	70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0	70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0	70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0	70 (29) - 130 (146)	88%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	254000	7.707
540-36-3	1,4-Difluorobenzene	531000	8.616
3114-55-4	Chlorobenzene-d5	486000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	6.26 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
005989-27-5	D-Limonene	6.10	J		13.3	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.90	J		13.9	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\VY101124\
 Data File : VY019878.D
 Acq On : 11 Oct 2024 17:45
 Operator : SY/MD
 Sample : P4385-17
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-9

Quant Time: Oct 14 01:50:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	253892	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	530815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	485576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	181975	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186485	59.653	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.300%
35) Dibromofluoromethane	7.634	113	175204	50.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.040%
50) Toluene-d8	10.109	98	646582	49.986	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.402	95	205702	44.011	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.020%

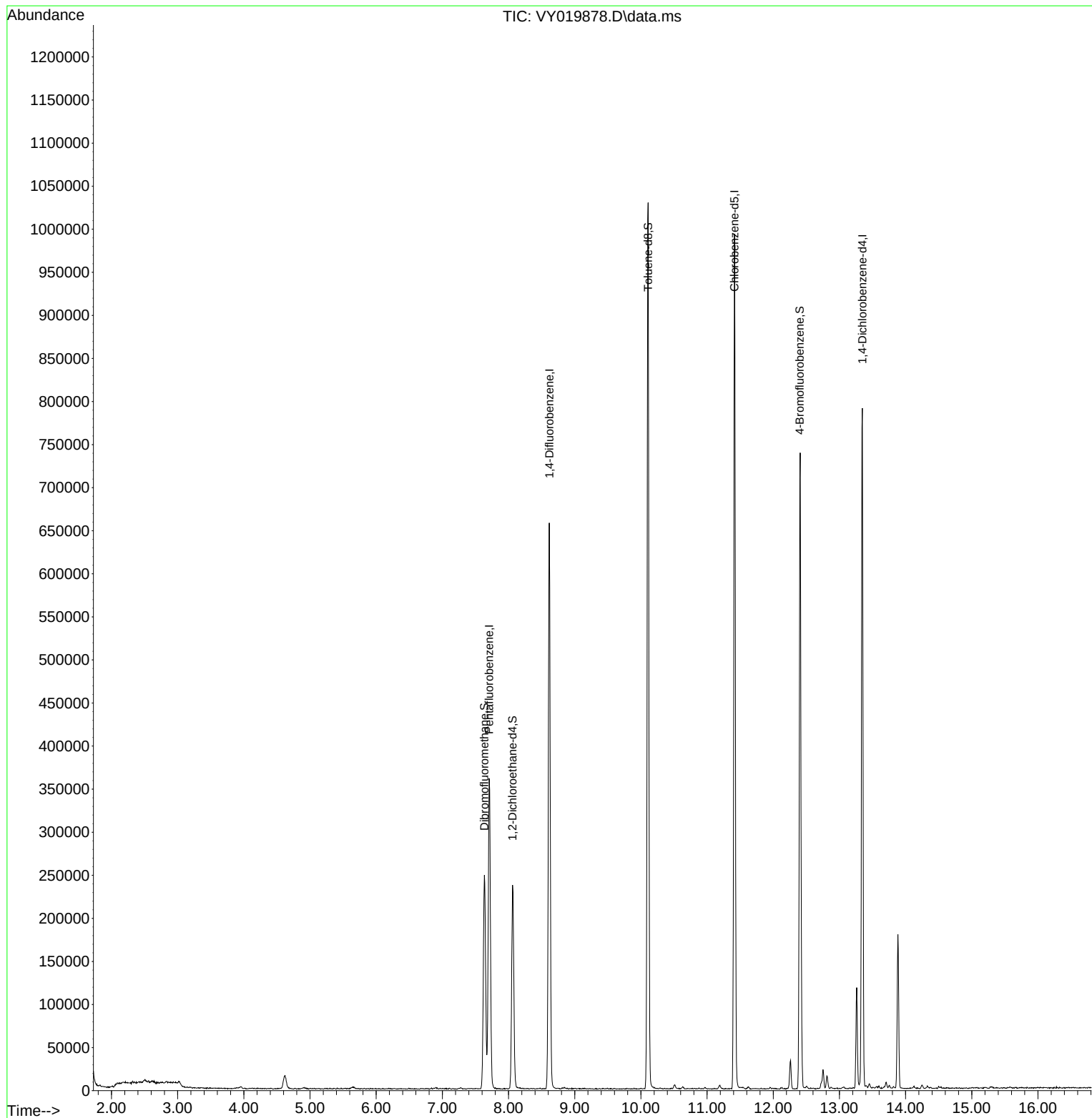
Target Compounds	Qvalue

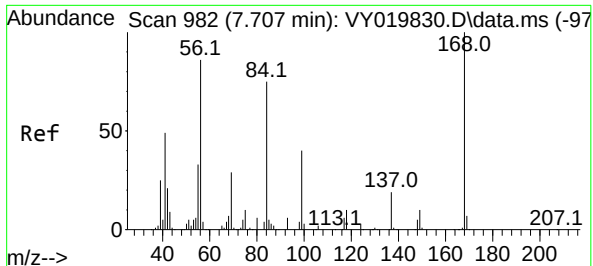
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019878.D
Acq On : 11 Oct 2024 17:45
Operator : SY/MD
Sample : P4385-17
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-9

Quant Time: Oct 14 01:50:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

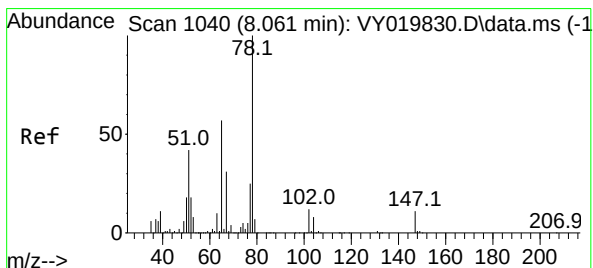
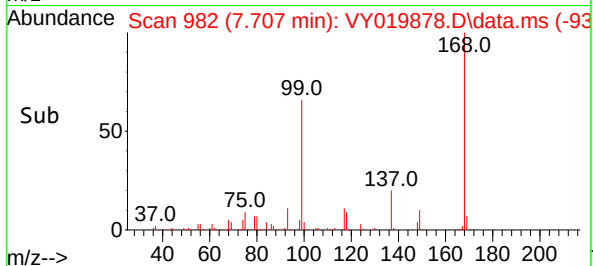
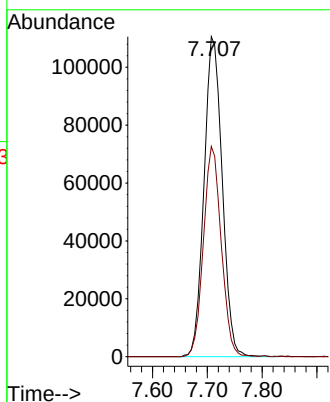
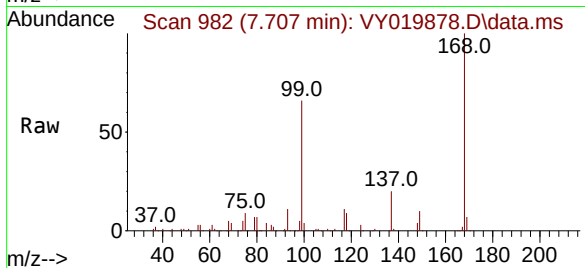




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019878.D
Acq: 11 Oct 2024 17:45

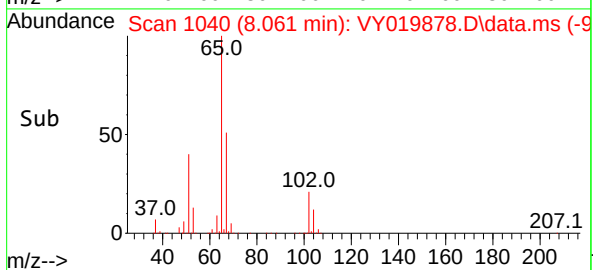
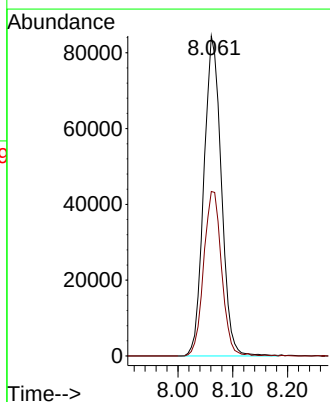
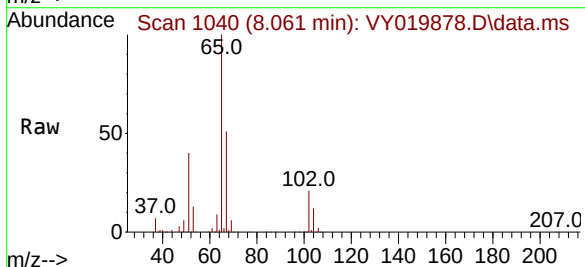
Instrument :
MSVOA_Y
ClientSampleId :
SP-9

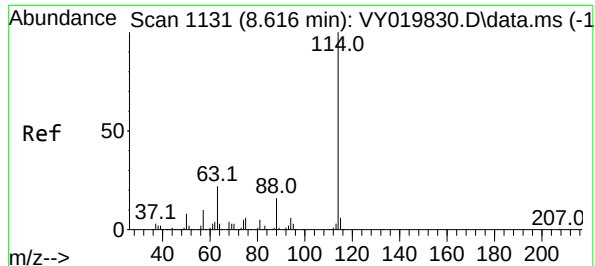
Tgt Ion:168 Resp: 253892
Ion Ratio Lower Upper
168 100
99 65.7 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 59.653 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019878.D
Acq: 11 Oct 2024 17:45

Tgt Ion: 65 Resp: 186485
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-9

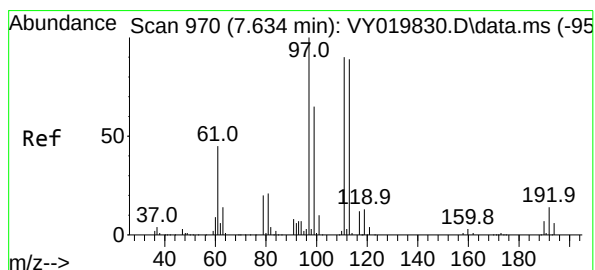
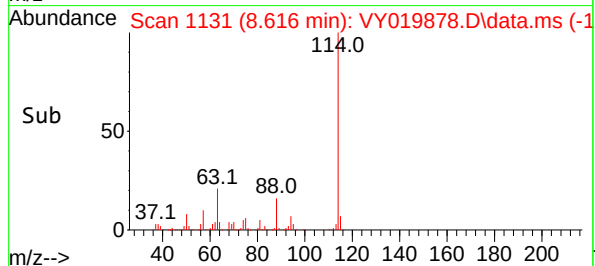
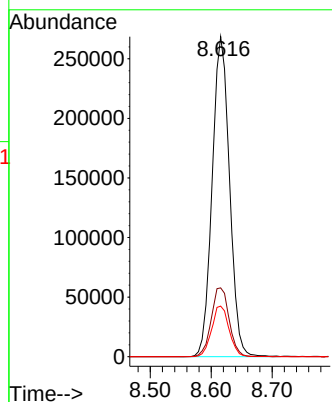
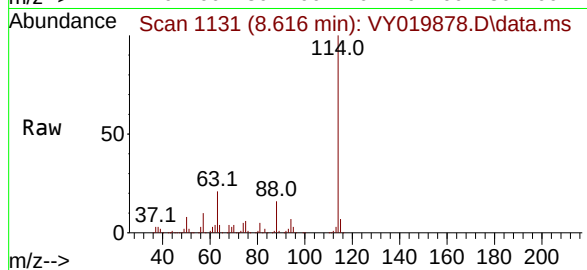
Tgt Ion:114 Resp: 530815

Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.0

88 15.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.018 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

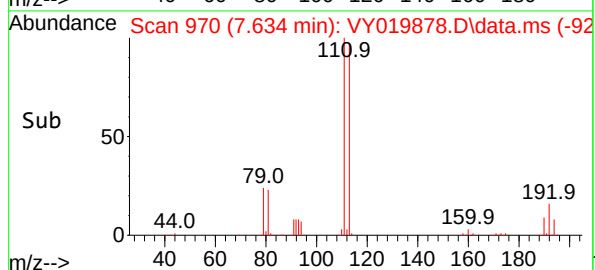
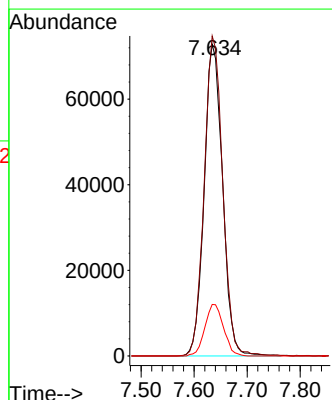
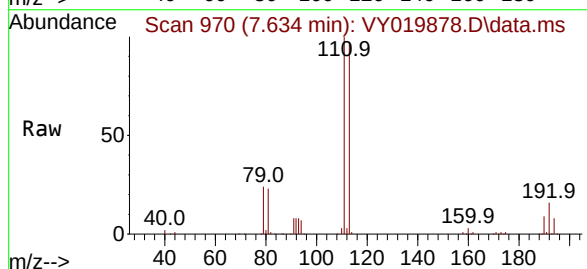
Tgt Ion:113 Resp: 175204

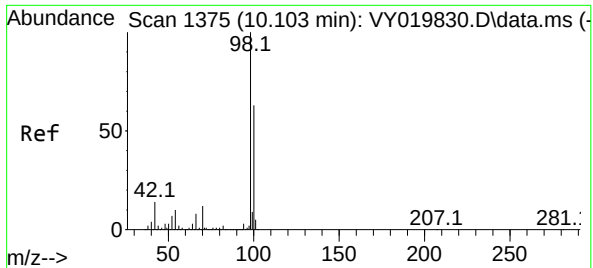
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 16.8 15.9 23.9

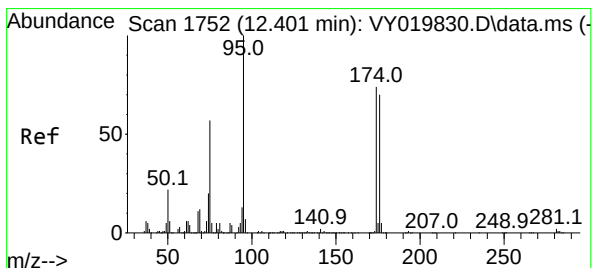
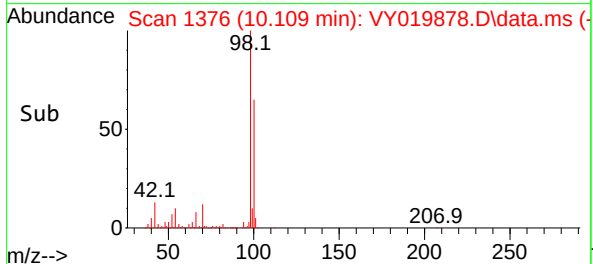
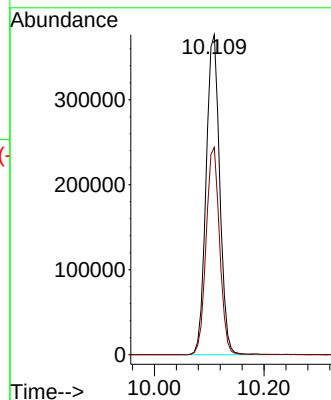
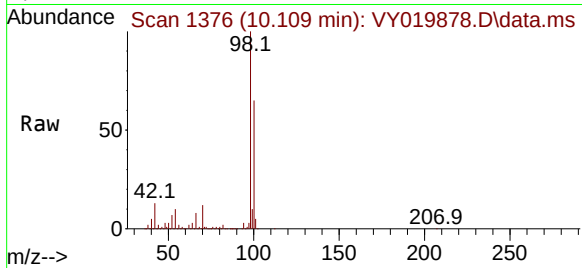




#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019878.D
Acq: 11 Oct 2024 17:45

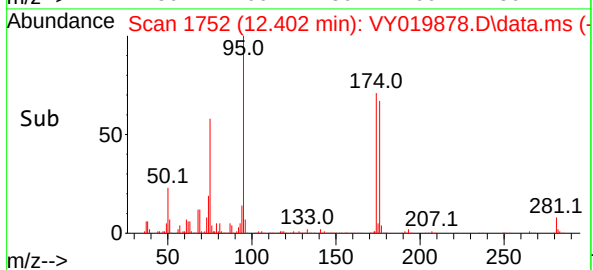
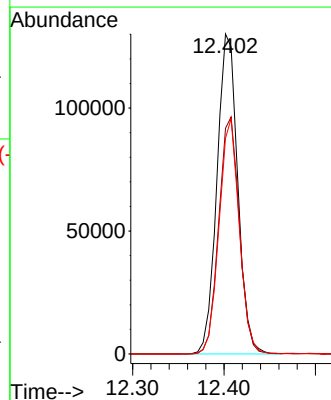
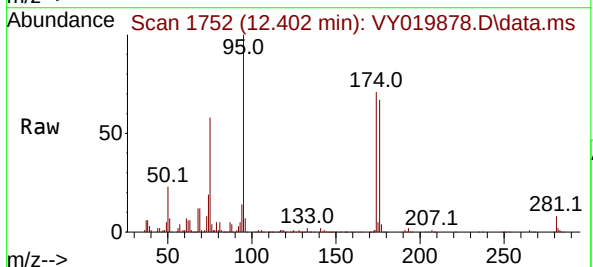
Instrument :
MSVOA_Y
ClientSampleId :
SP-9

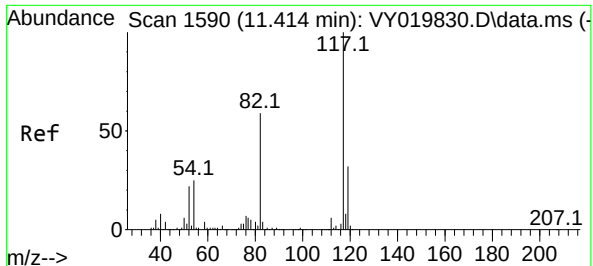
Tgt Ion: 98 Resp: 646582
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.011 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019878.D
Acq: 11 Oct 2024 17:45

Tgt Ion: 95 Resp: 205702
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 71.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-9

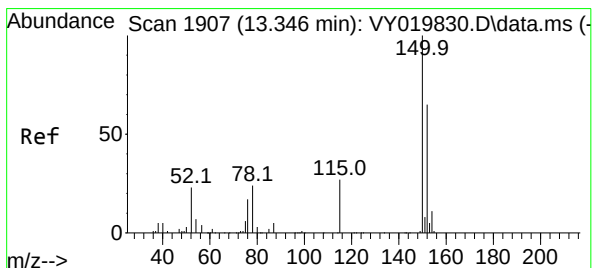
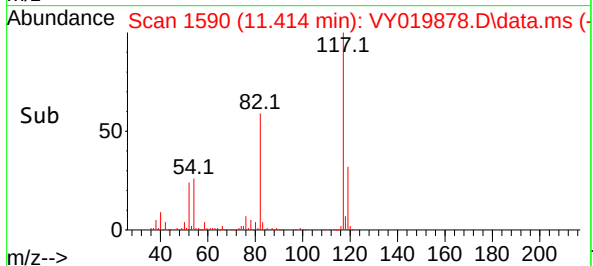
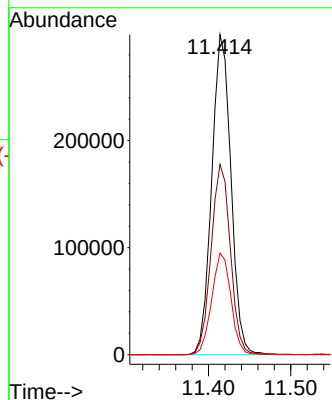
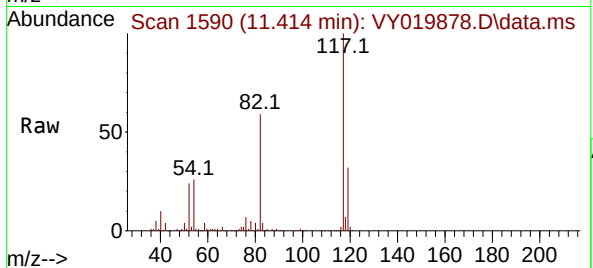
Tgt Ion:117 Resp: 485576

Ion Ratio Lower Upper

117 100

82 59.5 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

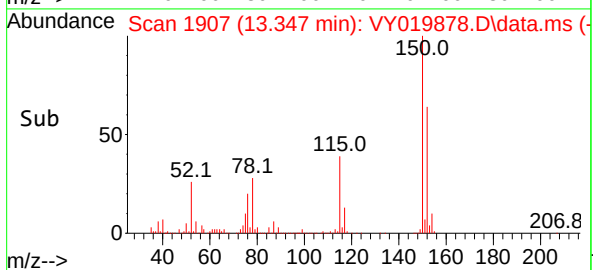
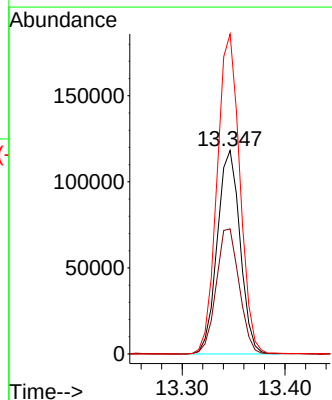
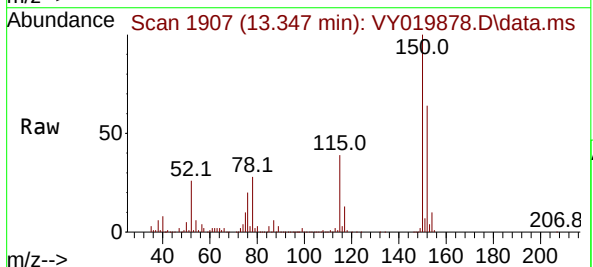
Tgt Ion:152 Resp: 181975

Ion Ratio Lower Upper

152 100

115 62.3 28.2 84.7

150 157.0 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019878.D
 Acq On : 11 Oct 2024 17:45
 Operator : SY/MD
 Sample : P4385-17
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019878.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	488	rVB3	15328	49936	2.79%	0.510%
2	7.634	961	970	976	rBV	247931	592909	33.15%	6.058%
3	7.707	976	982	996	rVB	360154	832624	46.55%	8.507%
4	8.061	1030	1040	1052	rBV	236812	531418	29.71%	5.430%
5	8.616	1122	1131	1148	rBV	657035	1304981	72.95%	13.334%
6	10.109	1368	1376	1387	rBV	1028763	1788766	100.00%	18.277%
7	11.414	1583	1590	1602	rBV	992594	1599216	89.40%	16.340%
8	12.261	1723	1729	1735	rVB2	33150	54980	3.07%	0.562%
9	12.408	1745	1753	1763	rBV2	738427	1275582	71.31%	13.033%
10	12.755	1801	1810	1814	rBV5	21585	42562	2.38%	0.435%
11	12.810	1814	1819	1826	rVB3	14526	24267	1.36%	0.248%
12	13.261	1887	1893	1899	rBV	116942	174416	9.75%	1.782%
13	13.347	1899	1907	1914	rVB	787550	1231315	68.84%	12.581%
14	13.883	1988	1995	2002	rVB2	178308	284173	15.89%	2.904%

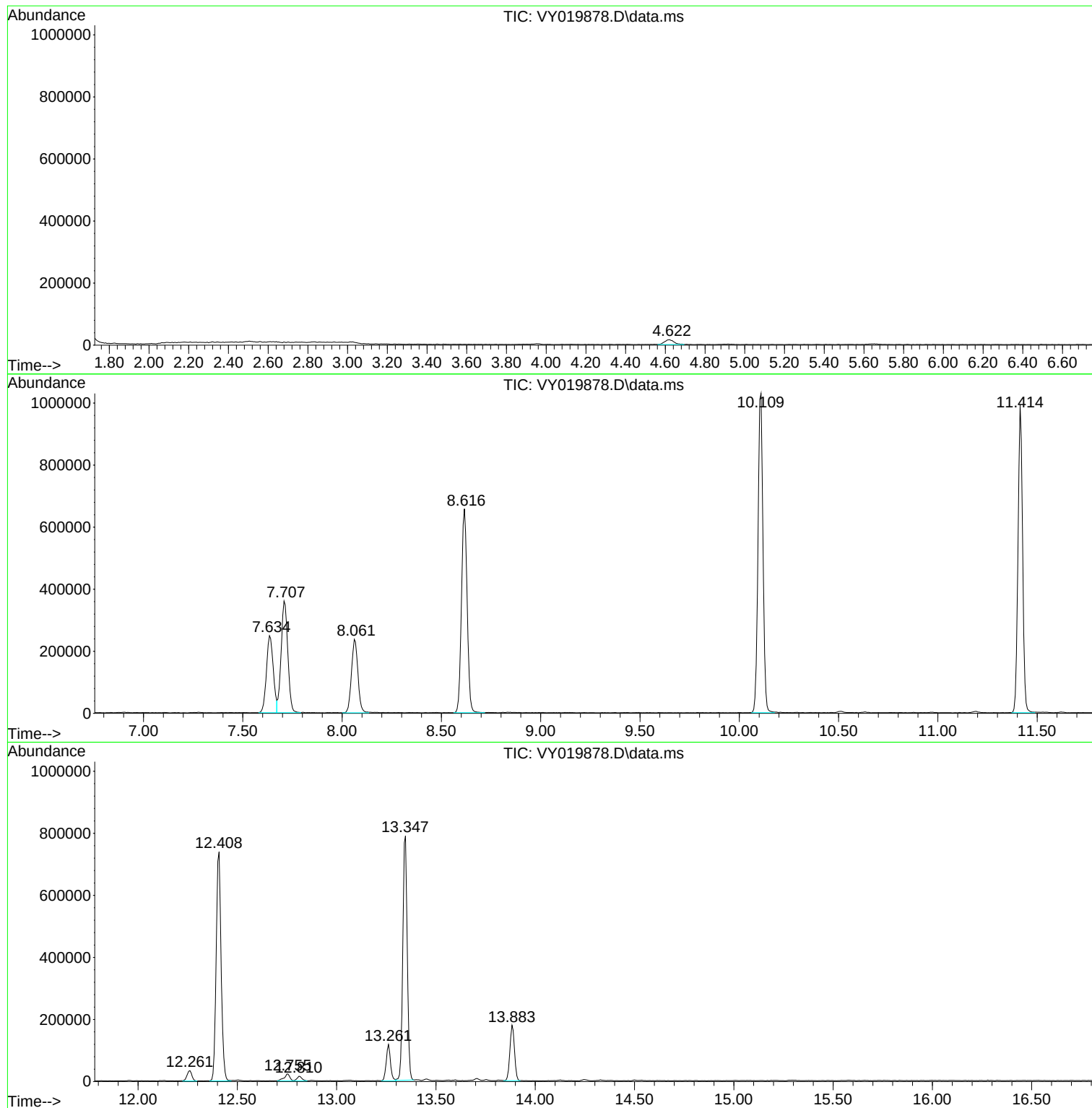
Sum of corrected areas: 9787145

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019878.D
Acq On : 11 Oct 2024 17:45
Operator : SY/MD
Sample : P4385-17
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019878.D
Acq On : 11 Oct 2024 17:45
Operator : SY/MD
Sample : P4385-17
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-9

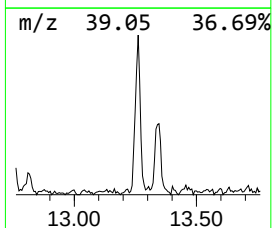
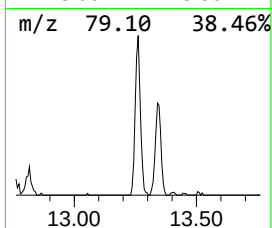
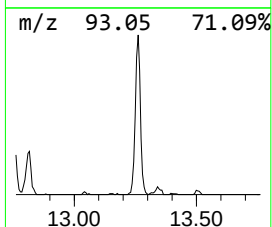
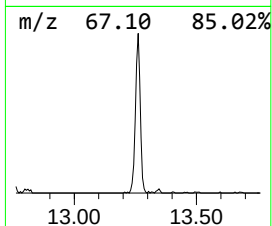
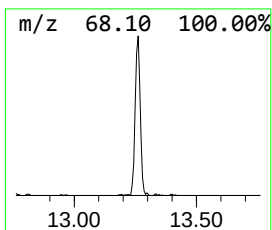
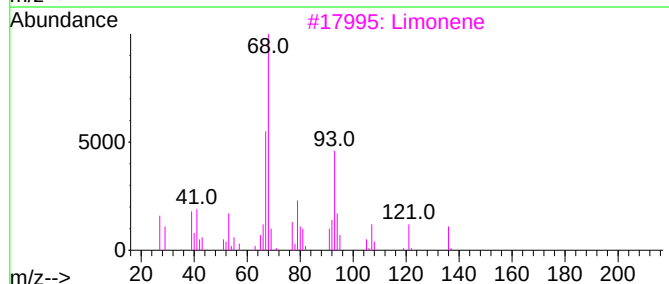
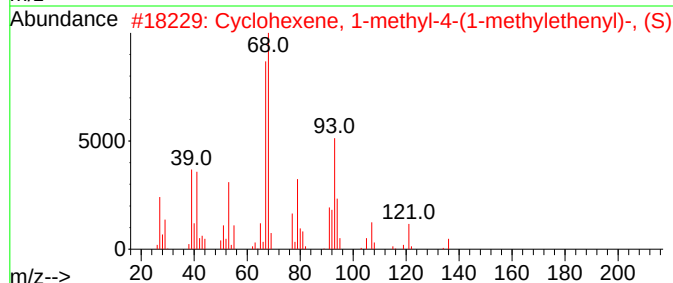
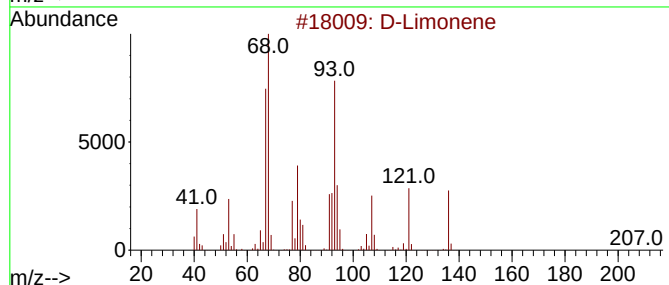
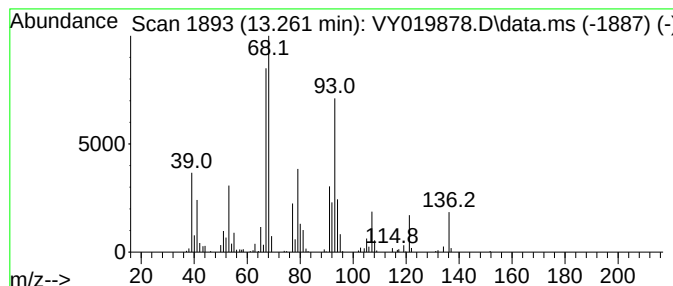
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

Peak Number 1 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.261	7.08 ug/l	174416	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	98
2			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90
3			Limonene	136	C10H16	000138-86-3	89
4			Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	72
5			Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019878.D
Acq On : 11 Oct 2024 17:45
Operator : SY/MD
Sample : P4385-17
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-9

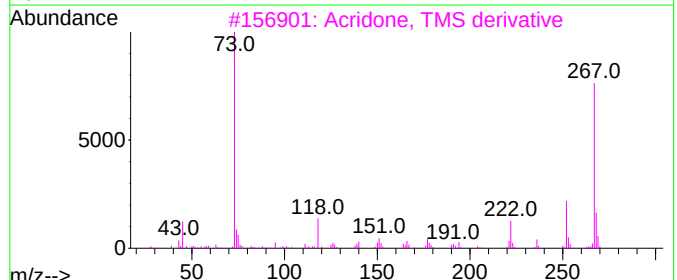
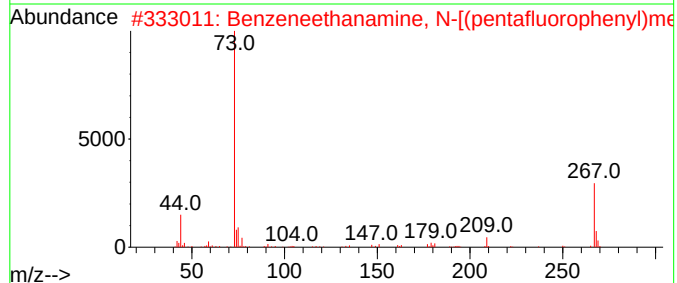
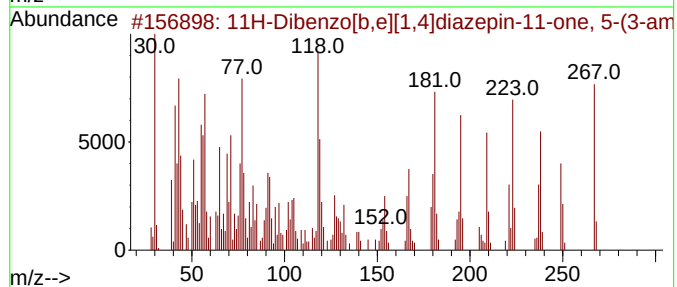
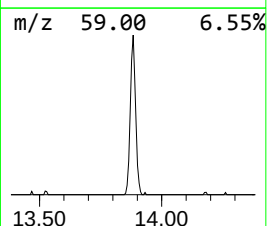
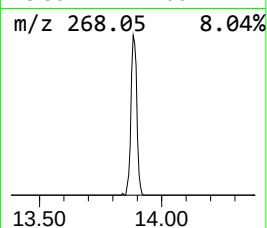
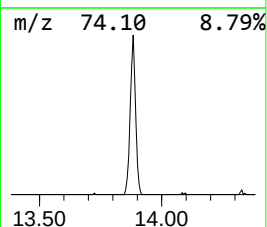
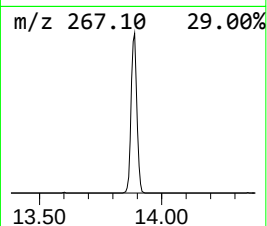
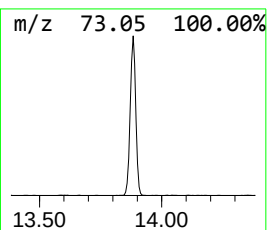
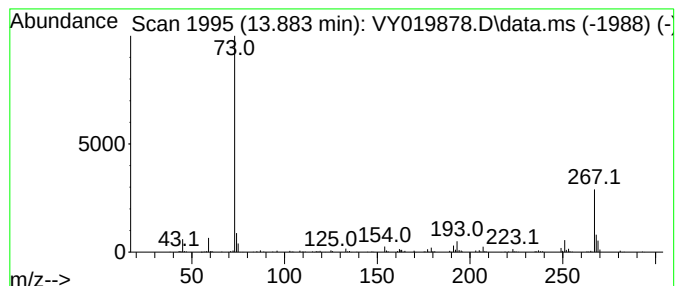
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

Peak Number 2 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	11.54 ug/l	284173	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	74
2			Benzeneethanamine, N-[(pentaflu...	475	C21H26F5NO2Si2	055429-85-1	53
3			Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	50
4			Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	45
5			2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019878.D
Acq On : 11 Oct 2024 17:45
Operator : SY/MD
Sample : P4385-17
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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
D-Limonene	13.261	7.1	ug/l	174416	4	13.347	1231320	50.0
11H-Dibenzo[b,e...	13.883	11.5	ug/l	284173	4	13.347	1231320	50.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.46	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	0.99	U	0.99	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	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	0.76	U	0.76	4.90	ug/Kg
67-64-1	Acetone	6.10	U	6.10	24.4	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	10/10/24	
Project:	Robbinsville		Date Received:	10/10/24	
Client Sample ID:	SP-10		SDG No.:	P4385	
Lab Sample ID:	P4385-19		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.7	
Sample Wt/Vol:	5.46	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.80	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.79	U	0.79	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.78	U	0.78	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.3		70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.713			
540-36-3	1,4-Difluorobenzene	514000	8.615			
3114-55-4	Chlorobenzene-d5	468000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.46	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:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

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\VY101124\
 Data File : VY019879.D
 Acq On : 11 Oct 2024 18:08
 Operator : SY/MD
 Sample : P4385-19
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-10

Quant Time: Oct 14 01:50:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	251214	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	513613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170163	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	183501	59.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.640%
35) Dibromofluoromethane	7.634	113	170527	50.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.109	98	631729	50.473	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.401	95	196785	43.513	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.020%

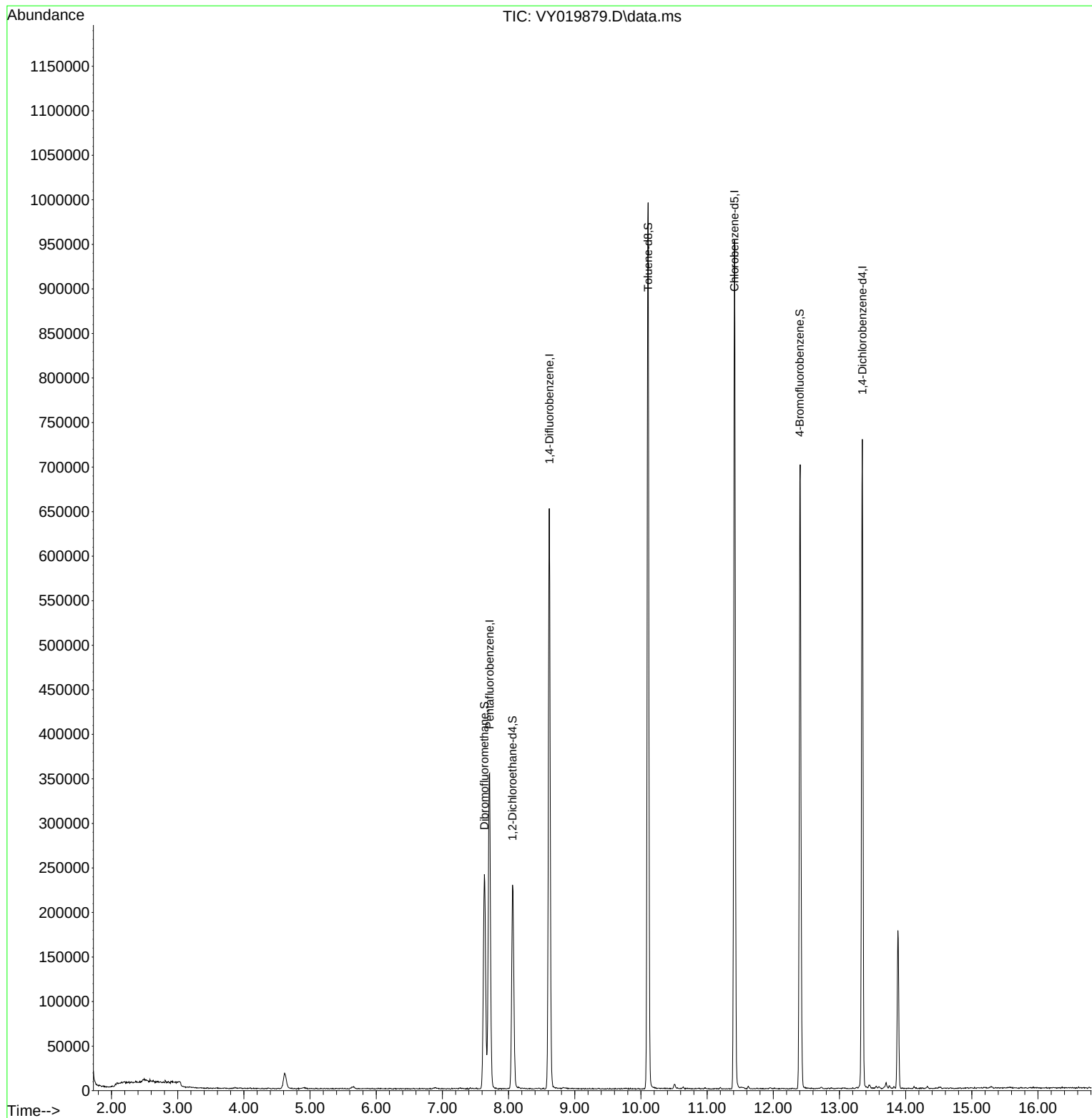
Target Compounds	Qvalue

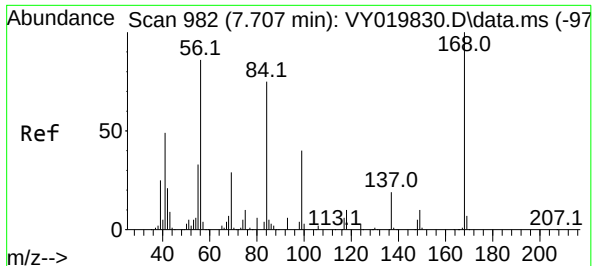
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019879.D
Acq On : 11 Oct 2024 18:08
Operator : SY/MD
Sample : P4385-19
Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-10

Quant Time: Oct 14 01:50:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

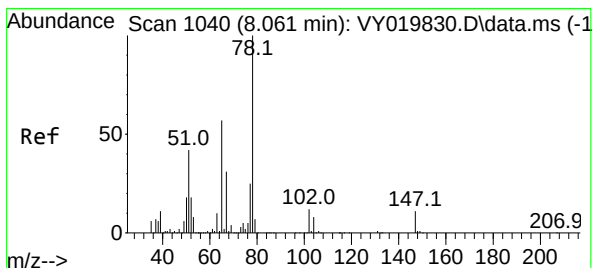
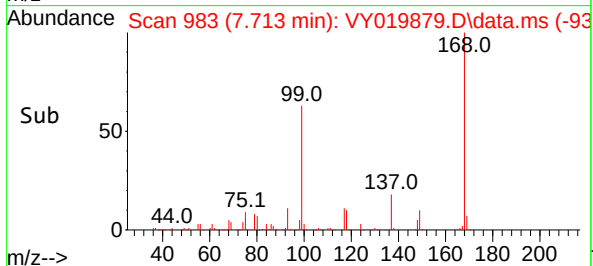
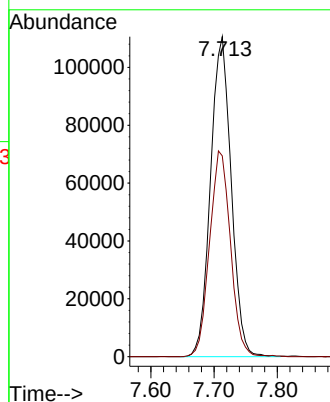
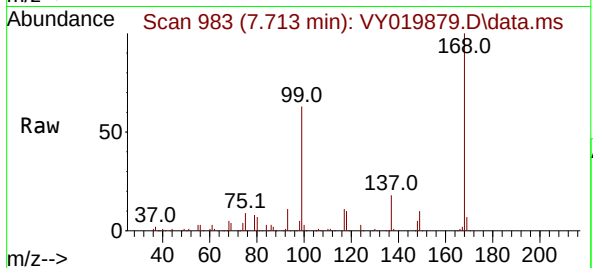




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019879.D
Acq: 11 Oct 2024 18:08

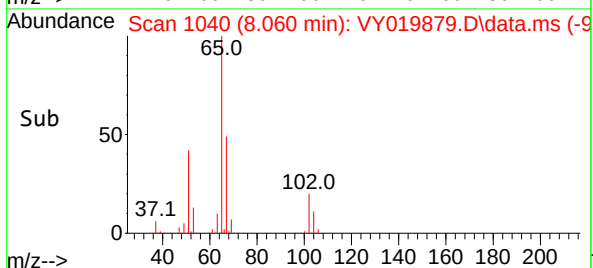
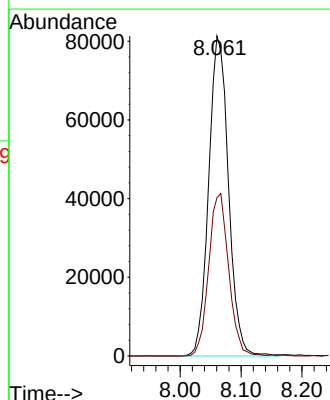
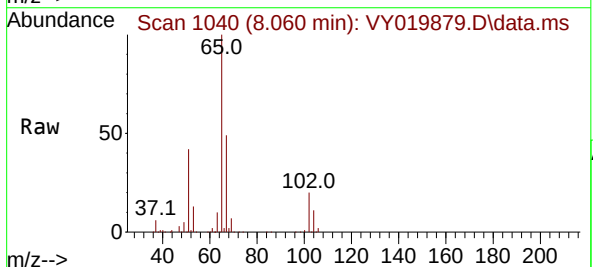
Instrument :
MSVOA_Y
ClientSampleId :
SP-10

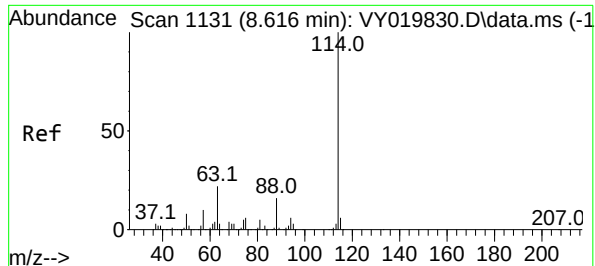
Tgt Ion:168 Resp: 251214
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 59.324 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019879.D
Acq: 11 Oct 2024 18:08

Tgt Ion: 65 Resp: 183501
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019879.D

Acq: 11 Oct 2024 18:08

Instrument :

MSVOA_Y

ClientSampleId :

SP-10

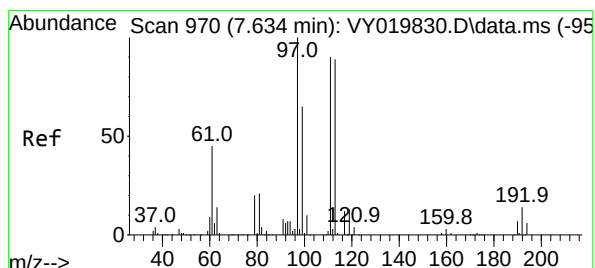
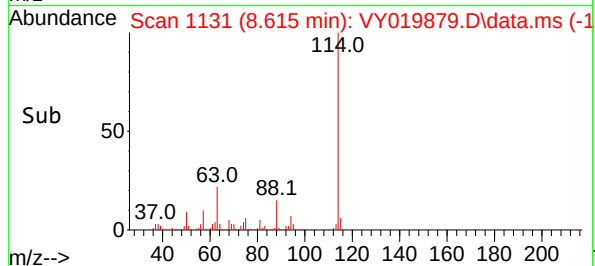
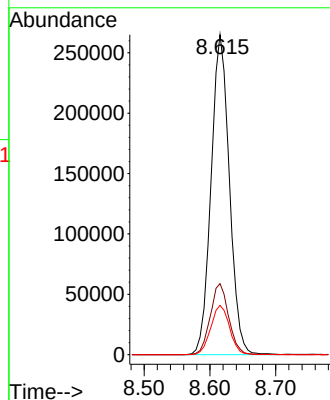
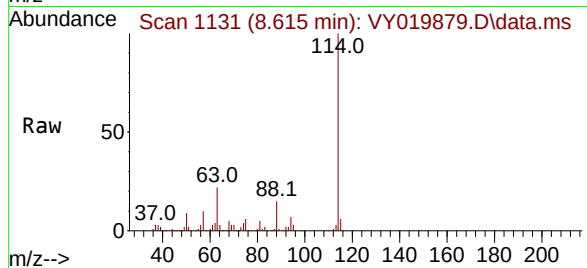
Tgt Ion:114 Resp: 513613

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.314 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019879.D

Acq: 11 Oct 2024 18:08

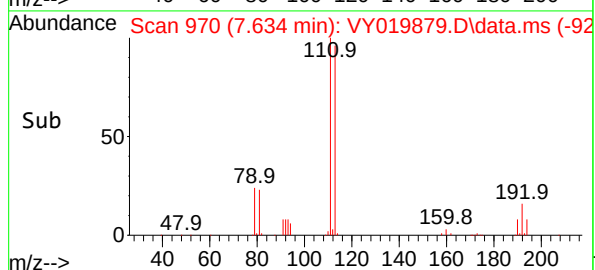
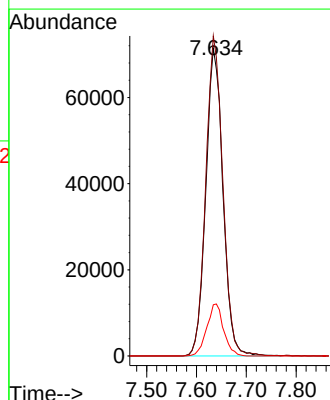
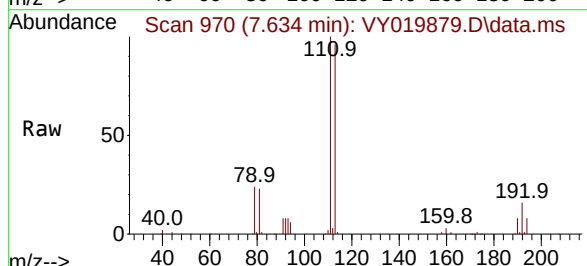
Tgt Ion:113 Resp: 170527

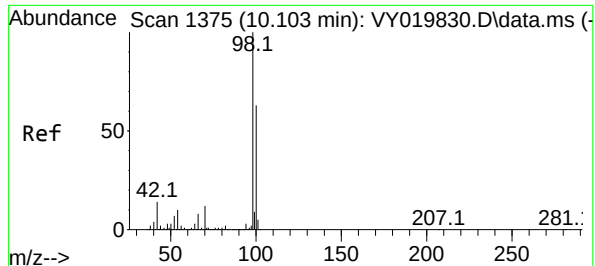
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 16.6 15.9 23.9

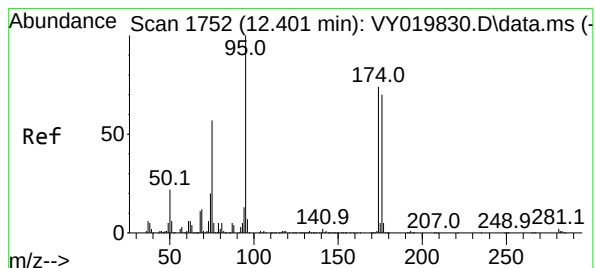
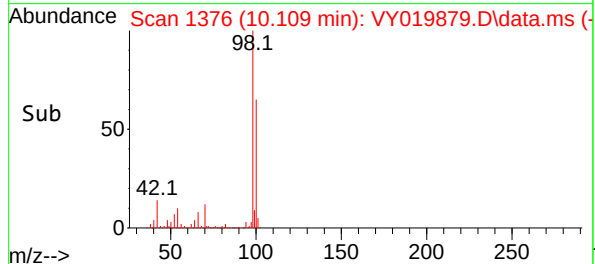
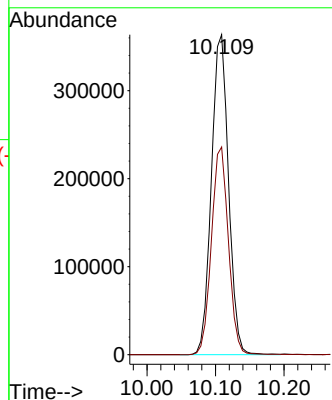
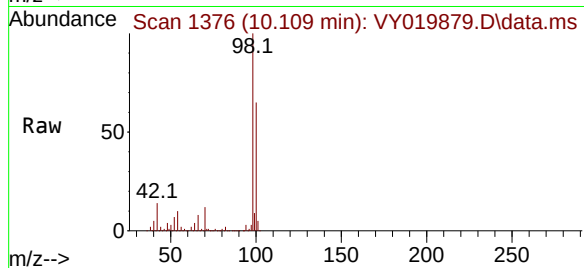




#50
Toluene-d8
Concen: 50.473 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019879.D
Acq: 11 Oct 2024 18:08

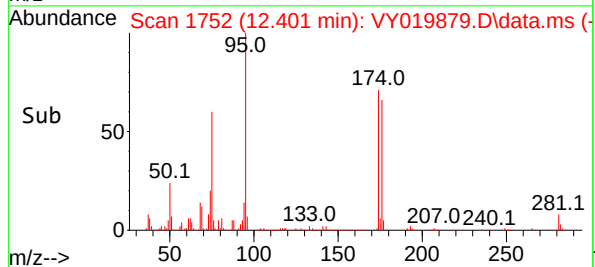
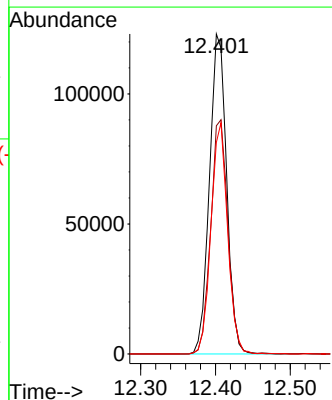
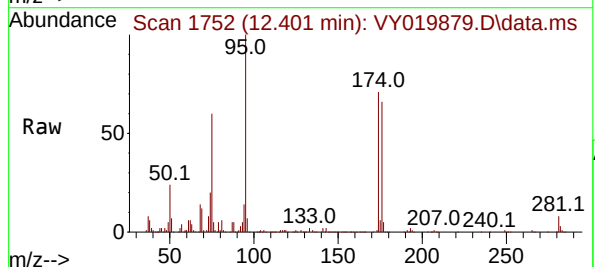
Instrument :
MSVOA_Y
ClientSampleId :
SP-10

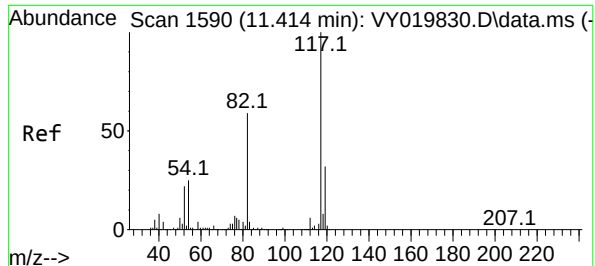
Tgt Ion: 98 Resp: 631729
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.513 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019879.D
Acq: 11 Oct 2024 18:08

Tgt Ion: 95 Resp: 196785
Ion Ratio Lower Upper
95 100
174 73.2 0.0 175.6
176 70.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019879.D

Acq: 11 Oct 2024 18:08

Instrument :

MSVOA_Y

ClientSampleId :

SP-10

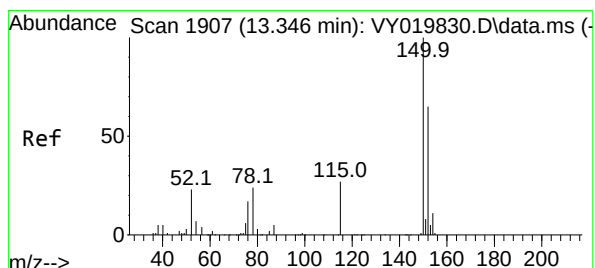
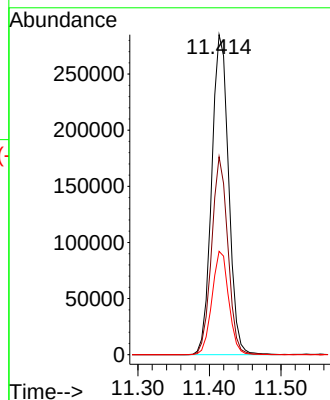
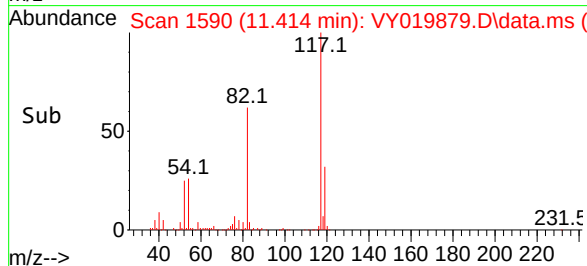
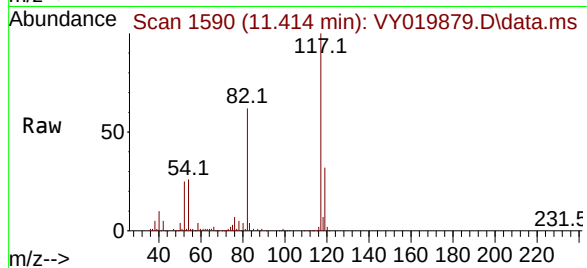
Tgt Ion:117 Resp: 467887

Ion Ratio Lower Upper

117 100

82 61.8 42.4 63.6

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019879.D

Acq: 11 Oct 2024 18:08

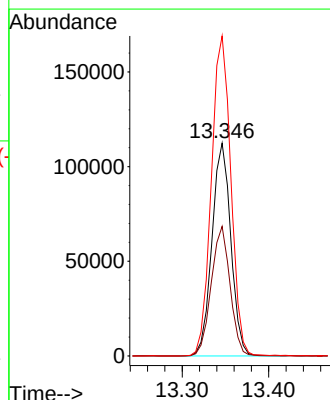
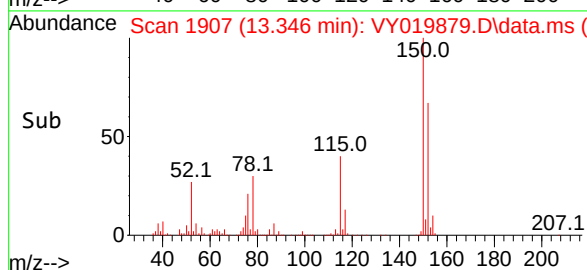
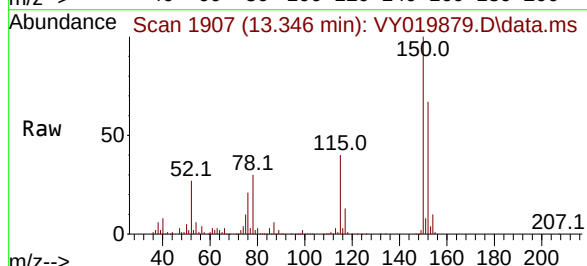
Tgt Ion:152 Resp: 170163

Ion Ratio Lower Upper

152 100

115 60.8 28.2 84.7

150 155.1 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019879.D
Acq On : 11 Oct 2024 18:08
Operator : SY/MD
Sample : P4385-19
Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-10

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019879.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	465	475	490	rBV3	17184	55474	3.19%	0.603%
2	7.634	960	970	976	rBV2	240678	573924	32.96%	6.243%
3	7.713	976	983	997	rVB	353898	829513	47.64%	9.023%
4	8.061	1031	1040	1053	rBV	228868	515750	29.62%	5.610%
5	8.615	1120	1131	1140	rBV	651852	1268432	72.85%	13.797%
6	10.109	1367	1376	1390	rBV	994912	1741222	100.00%	18.939%
7	11.414	1582	1590	1603	rBV	953219	1547352	88.87%	16.830%
8	12.407	1745	1753	1762	rBV2	700527	1231093	70.70%	13.391%
9	13.346	1896	1907	1916	rBV	728354	1143089	65.65%	12.433%
10	13.883	1989	1995	2004	rVB2	177302	287924	16.54%	3.132%

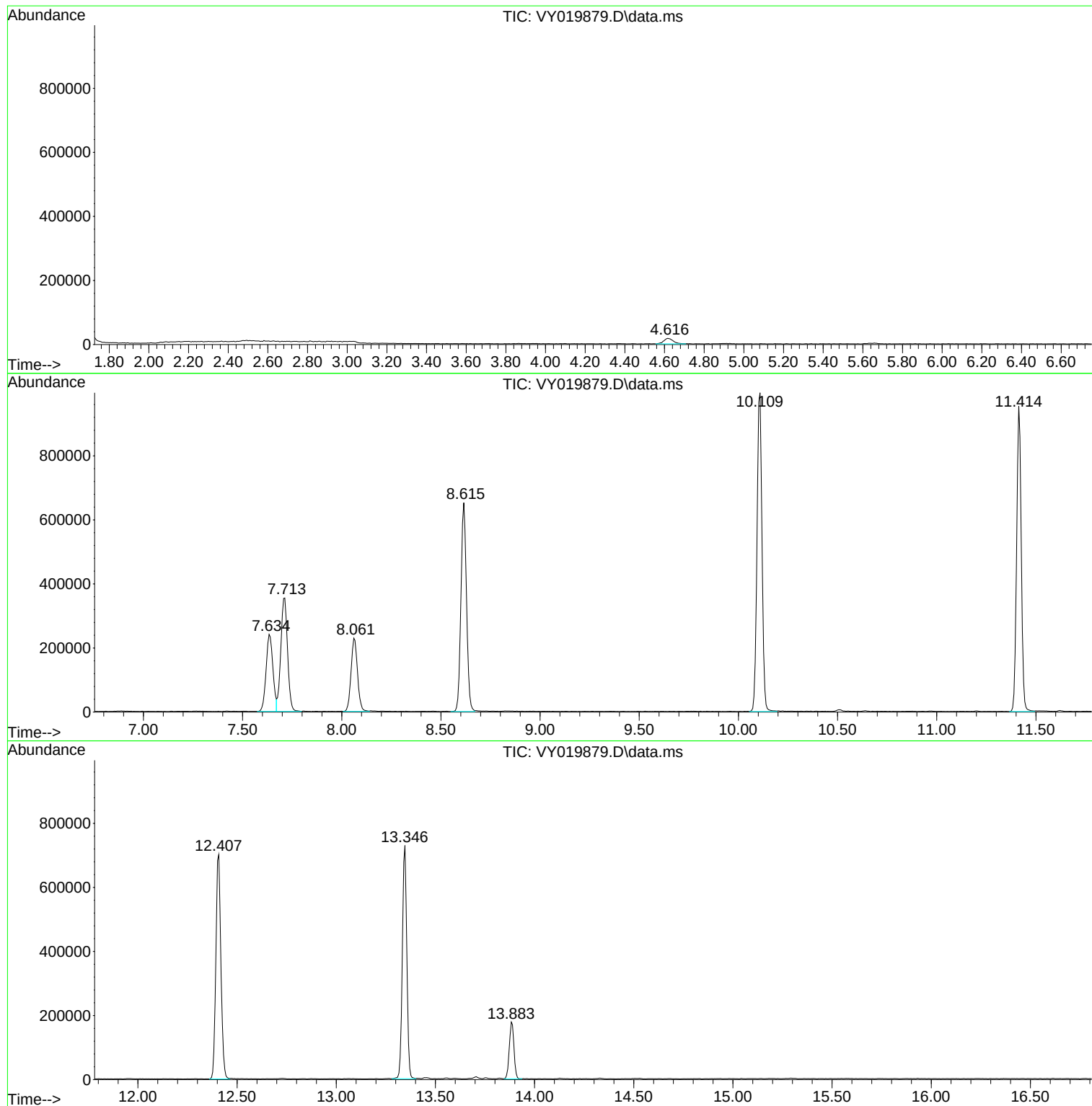
Sum of corrected areas: 9193773

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019879.D
Acq On : 11 Oct 2024 18:08
Operator : SY/MD
Sample : P4385-19
Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019879.D
Acq On : 11 Oct 2024 18:08
Operator : SY/MD
Sample : P4385-19
Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101124\
Data File : VY019879.D
Acq On : 11 Oct 2024 18:08
Operator : SY/MD
Sample : P4385-19
Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID:	RRF005 = VY019827.D		RRF010 = VY019828.D		RRF020 = VY019829.D		RRF050 = VY019830.D		RRF100 = VY019831.D		RRF150 = VY019832.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1				
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8				
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8				
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4				
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9				
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7				
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8				
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4				
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9				
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10				
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8				
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7				
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9				
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7				
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3				
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8				
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2				
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5				
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2				
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5				
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1				
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9				
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6				
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6				
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3				
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7				
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1				
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4				
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7				
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5				

* 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: CHEMTECH Contract: SCHE03
 Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385
 Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY019827.D		RRF010 = VY019828.D		RRF020 = VY019829.D			
		RRF050 = VY019830.D		RRF100 = VY019831.D		RRF150 = VY019832.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6	
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3	
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9	
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1	
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5	
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7	
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6	
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8	
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7	
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5	
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1	
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3	
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7	
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7	
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7	
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1	
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8	
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3	
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7	
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8	
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5	
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5	
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8	
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9	
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4	

* 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 : 82Y100924S.M
 Title : SW846 8260
 Last Update : Thu Oct 10 05:30:07 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY019827.D 10 =VY019828.D 20 =VY019829.D 50 =VY019830.D 100 =VY019831.D 150 =VY019832.D

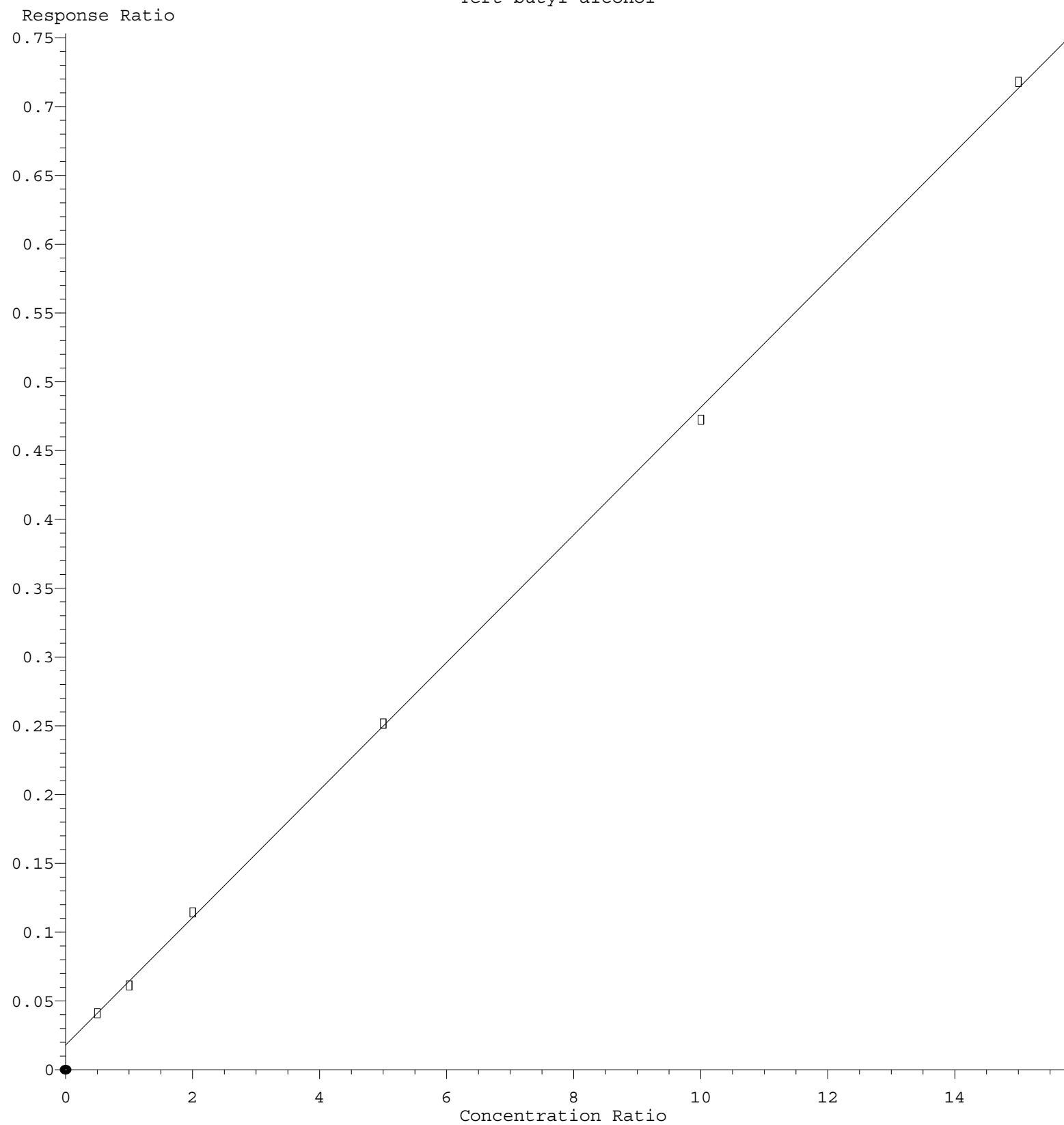
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.07
3) P	Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.80
4) C	Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8.02#
5) T	Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.42
6) T	Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.94
7) T	Trichlorofluor...	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.69
8) T	Diethyl Ether	0.317	0.304	0.268	0.314	0.284	0.322	0.301	6.96
9) T	1,1,2-Trichlor...	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.82
10) T	Methyl Iodide	0.569	0.584	0.518	0.633	0.569	0.628	0.584	7.29
11) T	Tert butyl alc...	0.082	0.061	0.057	0.050	0.047	0.048	0.058	22.92
12) CM	1,1-Dichloroet...	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.39#
13) T	Acrolein	0.061	0.049	0.046	0.040	0.036	0.040	0.045	19.69
14) T	Allyl chloride	1.054	0.975	0.843	1.011	0.902	1.022	0.968	8.28
15) T	Acrylonitrile	0.154	0.136	0.119	0.143	0.132	0.143	0.138	8.58
16) T	Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.95
17) T	Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	9.95
18) T	Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.74
19) T	Methyl tert-bu...	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.78
20) T	Methylene Chlo...	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.87
21) T	trans-1,2-Dich...	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.74
22) T	Diisopropyl ether	2.286	2.223	1.874	2.166	1.942	2.159	2.108	7.75
23) T	Vinyl Acetate	1.289	1.218	1.042	1.275	1.161	1.266	1.209	7.78
24) P	1,1-Dichloroet...	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.33
25) T	2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.18
26) T	2,2-Dichloropr...	1.228	1.071	0.911	1.045	0.945	1.062	1.044	10.70
27) T	cis-1,2-Dichlo...	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.23
28) T	Bromochloromet...	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.47
29) T	Tetrahydrofuran	0.140	0.120	0.105	0.128	0.118	0.125	0.122	9.65
30) C	Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.14#
31) T	Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.76
32) T	1,1,1-Trichlor...	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.85
33) S	1,2-Dichloroet...	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.48
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.77
36) T	1,1-Dichloropr...	0.514	0.464	0.415	0.496	0.455	0.509	0.475	7.98
37) T	Ethyl Acetate	0.270	0.238	0.217	0.258	0.247	0.258	0.248	7.60
38) T	Carbon Tetrach...	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.54
39) T	Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.64
40) TM	Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.58
41) T	Methacrylonitrile	0.126	0.120	0.123	0.156	0.129	0.151	0.134	11.38
42) TM	1,2-Dichloroet...	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.28
43) T	Isopropyl Acetate	0.547	0.491	0.436	0.524	0.496	0.538	0.505	8.05
44) TM	Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.65
45) C	1,2-Dichloropr...	0.390	0.375	0.321	0.366	0.337	0.371	0.360	7.13#
46) T	Dibromomethane	0.220	0.190	0.174	0.204	0.188	0.205	0.197	8.23
47) T	Bromodichlorom...	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.36
48) T	Methyl methacr...	0.221	0.201	0.189	0.237	0.228	0.258	0.222	11.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.76
50) S	Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.86
51) T	4-Methyl-2-Pen...	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.66
52) CM	Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.54#
53) T	t-1,3-Dichloro...	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.55
54) T	cis-1,3-Dichlo...	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.30
55) T	1,1,2-Trichlor...	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.93
56) T	Ethyl methacry...	0.376	0.330	0.316	0.403	0.381	0.426	0.372	11.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y100924S.M

57)	T	1,3-Dichloropr...	0.481	0.460	0.400	0.474	0.439	0.476	0.455	6.77
58)	T	2-Chloroethyl ...	0.179	0.168	0.164	0.171	0.176	0.182	0.173	4.02
59)	T	2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.12
60)	T	Dibromochlorom...	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.47
61)	T	1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.70
62)	S	4-Bromofluorob...	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.41
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.55
65)	PM	Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.79
66)	T	1,1,1,2-Tetrac...	0.409	0.386	0.350	0.398	0.366	0.414	0.387	6.47
67)	C	Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.73#
68)	T	m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.47
69)	T	o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.15
70)	T	Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.30
71)	P	Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.74
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.75
74)	T	N-amyl acetate	1.098	1.055	0.965	1.174	1.123	1.269	1.114	9.30
75)	P	1,1,2,2-Tetrac...	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7.05
76)	T	1,2,3-Trichlor...	0.596	0.495	0.526	0.507	0.478	0.523	0.521	7.84
77)	T	Bromobenzene	0.945	0.920	0.784	0.913	0.841	0.952	0.892	7.41
78)	T	n-propylbenzene	5.289	5.250	4.615	5.213	4.752	5.371	5.082	6.22
79)	T	2-Chlorotoluene	3.136	3.010	2.606	2.975	2.688	3.066	2.913	7.39
80)	T	1,3,5-Trimethy...	3.576	3.494	3.067	3.470	3.180	3.593	3.396	6.47
81)	T	trans-1,4-Dich...	0.244	0.233	0.206	0.251	0.242	0.280	0.243	10.01
82)	T	4-Chlorotoluene	3.184	3.129	2.650	3.029	2.749	3.132	2.979	7.53
83)	T	tert-Butylbenzene	3.236	3.178	2.709	3.100	2.829	3.204	3.043	7.22
84)	T	1,2,4-Trimethy...	3.532	3.450	3.024	3.466	3.155	3.578	3.367	6.66
85)	T	sec-Butylbenzene	4.798	4.743	4.008	4.719	4.218	4.791	4.546	7.55
86)	T	p-Isopropyltol...	3.923	3.757	3.275	3.810	3.460	3.923	3.691	7.19
87)	T	1,3-Dichlorobe...	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.15
88)	T	1,4-Dichlorobe...	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.77
89)	T	n-Butylbenzene	3.608	3.686	3.180	3.827	3.415	3.912	3.605	7.51
90)	T	Hexachloroethane	0.730	0.732	0.616	0.739	0.692	0.804	0.719	8.62
91)	T	1,2-Dichlorobe...	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.26
92)	T	1,2-Dibromo-3-...	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.66
93)	T	1,2,4-Trichlor...	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.80
94)	T	Hexachlorobuta...	0.502	0.489	0.423	0.529	0.472	0.548	0.494	8.97
95)	T	Naphthalene	1.486	1.440	1.390	1.845	1.806	2.082	1.675	16.55
96)	T	1,2,3-Trichlor...	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.53

(#) = Out of Range

Tert butyl alcohol



Response = $4.638 \times 10^{-2} \times \text{Amt} + 1.751 \times 10^{-2}$
Coef of Det (r^2) = 0.999639 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y100924S.M
Calibration Table Last Updated: Thu Oct 10 05:30:07 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019827.D
 Acq On : 09 Oct 2024 10:18
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

10/10/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 10 05:15:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	374343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	666511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	557182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257354	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	26224	5.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.380%#
35) Dibromofluoromethane	7.640	113	23731	5.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.800%#
50) Toluene-d8	10.103	98	86603	5.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	12.402	95	33223	5.661	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	11.320%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	18708	5.368	ug/l	98
3) Chloromethane	2.074	50	24088	5.311	ug/l	99
4) Vinyl Chloride	2.208	62	26464	5.302	ug/l	96
5) Bromomethane	2.605	94	17128	5.422	ug/l	96
6) Chloroethane	2.739	64	18439	5.499	ug/l	97
7) Trichlorofluoromethane	3.062	101	41227	5.551	ug/l	91
8) Diethyl Ether	3.452	74	11854	5.252	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.824	101	23186	5.367	ug/l	99
10) Methyl Iodide	4.001	142	21313	4.878	ug/l	97
11) Tert butyl alcohol	4.860	59	15386	25.435	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	21994	5.477	ug/l	96
13) Acrolein	3.653	56	11407	33.680	ug/l	99
14) Allyl chloride	4.385	41	39466	5.447	ug/l	100
15) Acrylonitrile	5.061	53	28849	27.944	ug/l	97
16) Acetone	3.873	43	36615	30.516	ug/l	92
17) Carbon Disulfide	4.110	76	56179	5.219	ug/l	97
18) Methyl Acetate	4.391	43	14714	5.693	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	64344	5.577	ug/l	93
20) Methylene Chloride	4.616	84	32544	6.721	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	23585	5.396	ug/l	93
22) Diisopropyl ether	6.019	45	85560	5.421	ug/l #	90
23) Vinyl Acetate	5.964	43	241204	26.658	ug/l	99
24) 1,1-Dichloroethane	5.921	63	48212	5.495	ug/l	99
25) 2-Butanone	6.896	43	46904	29.204	ug/l	96
26) 2,2-Dichloropropane	6.884	77	45964	5.883	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	29094	5.386	ug/l	96
28) Bromochloromethane	7.250	49	22704	5.879	ug/l	94
29) Tetrahydrofuran	7.262	42	26280	28.658	ug/l	97
30) Chloroform	7.421	83	49340	5.517	ug/l	99
31) Cyclohexane	7.701	56	47253	6.136	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	41860	5.341	ug/l	97
36) 1,1-Dichloropropene	7.835	75	34242	5.404	ug/l	99
37) Ethyl Acetate	6.988	43	17987	5.444	ug/l	96
38) Carbon Tetrachloride	7.817	117	35007	5.153	ug/l	98
39) Methylcyclohexane	9.109	83	41950	5.254	ug/l	96
40) Benzene	8.079	78	100750	5.254	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019827.D
 Acq On : 09 Oct 2024 10:18
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Romaben
 Patel

10/10/2024

Supervised By :Mahesh
 Dadoda

10/10/2024

Quant Time: Oct 10 05:15:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	8419	4.708	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	29850	5.418	ug/l	99
43) Isopropyl Acetate	8.195	43	36465	5.412	ug/l #	88
44) Trichloroethene	8.866	130	25386	5.466	ug/l	88
45) 1,2-Dichloropropane	9.140	63	26001	5.417	ug/l	94
46) Dibromomethane	9.231	93	14664	5.592	ug/l	95
47) Bromodichloromethane	9.420	83	36601	5.258	ug/l	97
48) Methyl methacrylate	9.225	41	14711	4.963	ug/l	92
49) 1,4-Dioxane	9.231	88	2943	100.270	ug/l #	74
51) 4-Methyl-2-Pentanone	10.000	43	93808	27.294	ug/l	97
52) Toluene	10.170	92	62004	5.180	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	31813	5.080	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	38450	5.203	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	18629	5.392	ug/l	94
56) Ethyl methacrylate	10.438	69	25028	5.048	ug/l	97
57) 1,3-Dichloropropane	10.719	76	32075	5.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	59794	25.908	ug/l	100
59) 2-Hexanone	10.762	43	64389	26.230	ug/l	99
60) Dibromochloromethane	10.908	129	23206	5.233	ug/l	98
61) 1,2-Dibromoethane	11.012	107	16281	5.215	ug/l	94
64) Tetrachloroethene	10.646	164	21107	5.326	ug/l	95
65) Chlorobenzene	11.438	112	68313	5.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	22770	5.281	ug/l	97
67) Ethyl Benzene	11.518	91	121323	5.241	ug/l	95
68) m/p-Xylenes	11.627	106	89333	10.448	ug/l	100
69) o-Xylene	11.950	106	41807	5.089	ug/l	97
70) Styrene	11.969	104	71087	5.129	ug/l	98
71) Bromoform	12.127	173	11616	5.032	ug/l #	96
73) Isopropylbenzene	12.255	105	113742	5.254	ug/l	99
74) N-amyl acetate	12.066	43	28262	4.929	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20484	5.326	ug/l	92
76) 1,2,3-Trichloropropane	12.554	75	15329m	5.735	ug/l	
77) Bromobenzene	12.530	156	24308	5.292	ug/l	99
78) n-propylbenzene	12.591	91	136112	5.204	ug/l	100
79) 2-Chlorotoluene	12.676	91	80713	5.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	92022	5.264	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	6271	5.021	ug/l	97
82) 4-Chlorotoluene	12.773	91	81942	5.344	ug/l	100
83) tert-Butylbenzene	12.993	119	83271	5.317	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	90896	5.244	ug/l	99
85) sec-Butylbenzene	13.170	105	123488	5.278	ug/l	99
86) p-Isopropyltoluene	13.292	119	100964	5.314	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	50645	5.459	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	49614	5.444	ug/l	93
89) n-Butylbenzene	13.615	91	92858	5.005	ug/l	97
90) Hexachloroethane	13.883	117	18792	5.079	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	44165	5.418	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3426	5.581	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	22142	4.845	ug/l	97
94) Hexachlorobutadiene	15.023	225	12910	5.081	ug/l	98
95) Naphthalene	15.145	128	38238	4.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	18432	4.771	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Romaben
Patel

10/10/2024
Supervised By :Mahesh
Dadoda

10/10/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019827.D
Acq On : 09 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

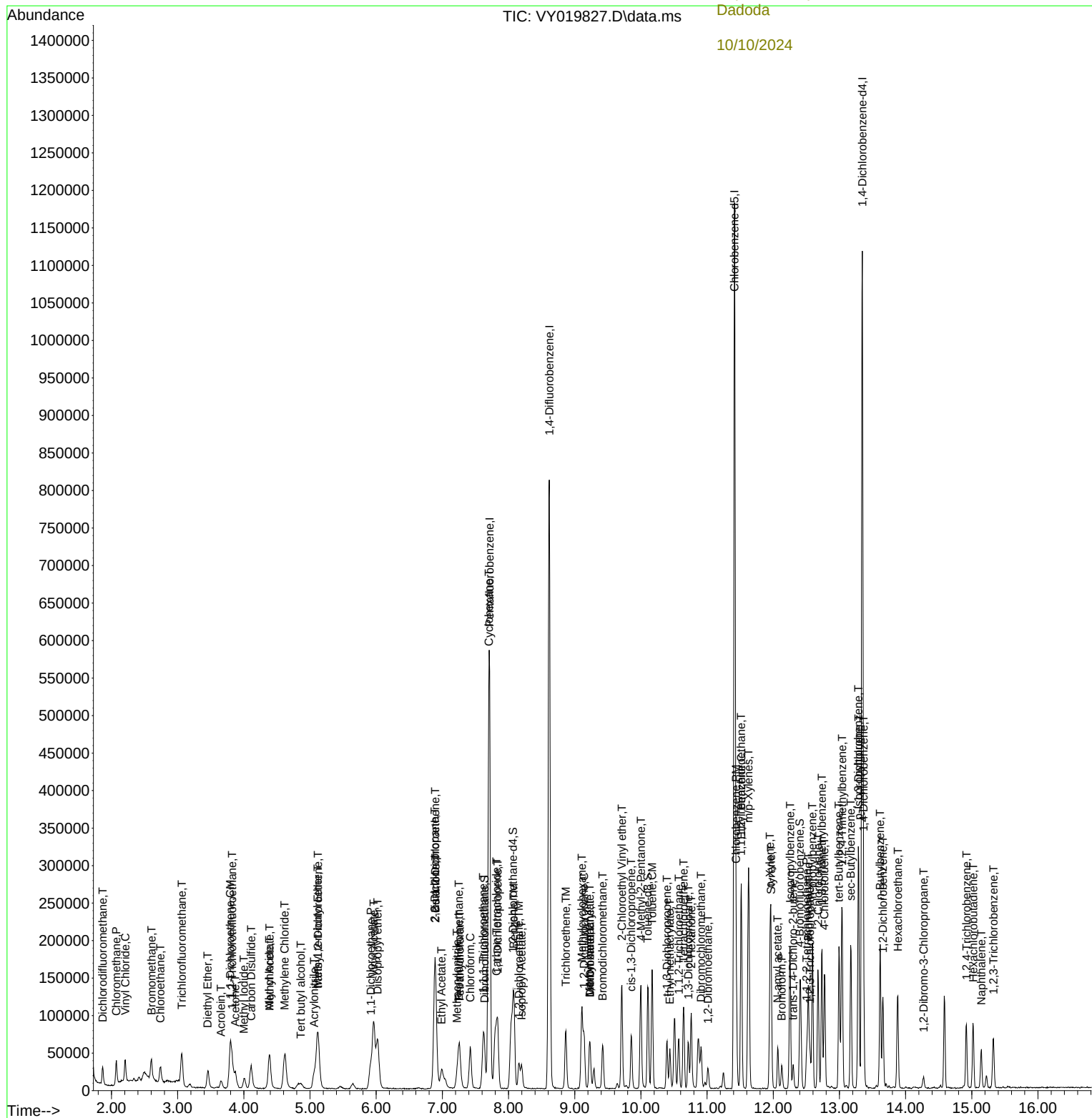
Manual Integrations APPROVED

Reviewed By :Romaben
Patel

10/10/2024
Supervised By :Mahesh
Dadoda

10/10/2024

Quant Time: Oct 10 05:15:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019828.D
 Acq On : 09 Oct 2024 10:41
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	361756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	649579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	541498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47466	10.656	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.320%#		
35) Dibromofluoromethane	7.640	113	43577	10.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.340%#		
50) Toluene-d8	10.103	98	162940	10.293	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.580%#		
62) 4-Bromofluorobenzene	12.401	95	56875	9.944	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	19.880%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36061	10.708	ug/l	93
3) Chloromethane	2.068	50	46110	10.520	ug/l	95
4) Vinyl Chloride	2.208	62	49569	10.277	ug/l	97
5) Bromomethane	2.598	94	32366	10.602	ug/l	96
6) Chloroethane	2.738	64	33901	10.462	ug/l	99
7) Trichlorofluoromethane	3.062	101	73540	10.247	ug/l	97
8) Diethyl Ether	3.458	74	21982	10.078	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	44208	10.590	ug/l	99
10) Methyl Iodide	4.007	142	42256	10.008	ug/l	98
11) Tert butyl alcohol	4.854	59	22157	47.157	ug/l #	93
12) 1,1-Dichloroethene	3.793	96	40380	10.405	ug/l	100
13) Acrolein	3.659	56	17589	53.740	ug/l	97
14) Allyl chloride	4.385	41	70509	10.069	ug/l	98
15) Acrylonitrile	5.061	53	49104	49.218	ug/l #	87
16) Acetone	3.872	43	56442	48.677	ug/l	95
17) Carbon Disulfide	4.104	76	100680	9.679	ug/l	95
18) Methyl Acetate	4.385	43	24175	9.678	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	112810	10.118	ug/l	97
20) Methylene Chloride	4.616	84	50288	10.746	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	43174	10.221	ug/l	90
22) Diisopropyl ether	6.024	45	160865	10.547	ug/l	96
23) Vinyl Acetate	5.964	43	440610	50.390	ug/l	99
24) 1,1-Dichloroethane	5.915	63	88167	10.399	ug/l	98
25) 2-Butanone	6.896	43	78586	50.633	ug/l	97
26) 2,2-Dichloropropane	6.884	77	77467	10.260	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	55404	10.614	ug/l	98
28) Bromochloromethane	7.244	49	34014	9.115	ug/l	99
29) Tetrahydrofuran	7.268	42	43254	48.809	ug/l	98
30) Chloroform	7.421	83	89550	10.361	ug/l	95
31) Cyclohexane	7.701	56	79459	10.676	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	78955	10.424	ug/l	98
36) 1,1-Dichloropropene	7.835	75	60218	9.751	ug/l	97
37) Ethyl Acetate	6.982	43	30870	9.587	ug/l	98
38) Carbon Tetrachloride	7.817	117	65606	9.910	ug/l	95
39) Methylcyclohexane	9.103	83	75887	9.753	ug/l	95
40) Benzene	8.079	78	191485	10.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019828.D
 Acq On : 09 Oct 2024 10:41
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	15599	8.950	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	51825	9.652	ug/l	99
43) Isopropyl Acetate	8.201	43	63799	9.715	ug/l	98
44) Trichloroethene	8.865	130	44163	9.756	ug/l	88
45) 1,2-Dichloropropane	9.140	63	48706	10.412	ug/l	96
46) Dibromomethane	9.231	93	24667	9.651	ug/l	98
47) Bromodichloromethane	9.420	83	68101	10.039	ug/l	99
48) Methyl methacrylate	9.219	41	26161	9.056	ug/l	98
49) 1,4-Dioxane	9.225	88	5712	199.684	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	160710	47.978	ug/l	99
52) Toluene	10.170	92	115871	9.932	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	58244	9.542	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69712	9.679	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	33430	9.928	ug/l	98
56) Ethyl methacrylate	10.438	69	42834	8.865	ug/l	94
57) 1,3-Dichloropropane	10.713	76	59776	10.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	108860	48.397	ug/l	98
59) 2-Hexanone	10.761	43	112424	46.991	ug/l	100
60) Dibromochloromethane	10.908	129	41215	9.536	ug/l	99
61) 1,2-Dibromoethane	11.011	107	30363	9.978	ug/l	99
64) Tetrachloroethene	10.646	164	39617	10.286	ug/l	95
65) Chlorobenzene	11.438	112	126362	10.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	41840	9.985	ug/l	99
67) Ethyl Benzene	11.517	91	227448	10.109	ug/l	98
68) m/p-Xylenes	11.627	106	169252	20.369	ug/l	99
69) o-Xylene	11.950	106	81860	10.254	ug/l	98
70) Styrene	11.969	104	134039	9.951	ug/l	99
71) Bromoform	12.127	173	21482	9.576	ug/l #	99
73) Isopropylbenzene	12.249	105	218641	10.393	ug/l	100
74) N-amyl acetate	12.066	43	52756	9.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36874	9.865	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	24777m	9.539	ug/l	
77) Bromobenzene	12.529	156	46028	10.311	ug/l	97
78) n-propylbenzene	12.590	91	262629	10.332	ug/l	100
79) 2-Chlorotoluene	12.676	91	150549	10.331	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	174773	10.287	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	11638	9.588	ug/l	96
82) 4-Chlorotoluene	12.773	91	156522	10.504	ug/l	98
83) tert-Butylbenzene	12.993	119	158944	10.443	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	172551	10.244	ug/l	99
85) sec-Butylbenzene	13.170	105	237239	10.433	ug/l	98
86) p-Isopropyltoluene	13.285	119	187930	10.178	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	94640	10.498	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	91597	10.342	ug/l	97
89) n-Butylbenzene	13.615	91	184390	10.227	ug/l	99
90) Hexachloroethane	13.877	117	36632	10.188	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	81041	10.231	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	5750	9.639	ug/l	91
93) 1,2,4-Trichlorobenzene	14.913	180	41597	9.365	ug/l	98
94) Hexachlorobutadiene	15.023	225	24452	9.902	ug/l	98
95) Naphthalene	15.139	128	72035	8.599	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	34928	9.303	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
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

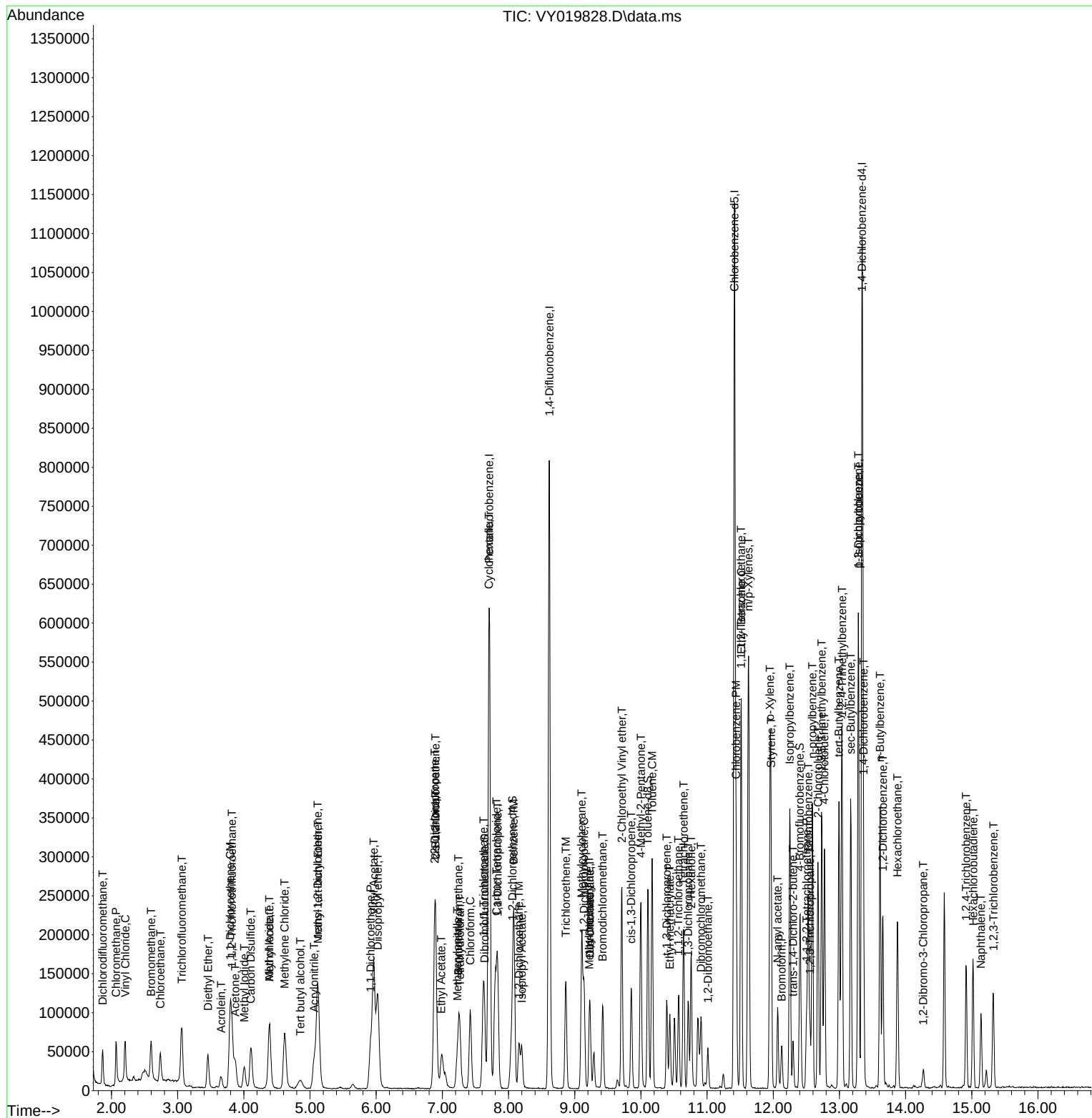
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019829.D
 Acq On : 09 Oct 2024 11:04
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	399493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	686198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	579144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	274774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90500	18.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.800%	#	
35) Dibromofluoromethane	7.634	113	82440	18.206	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.420%	#	
50) Toluene-d8	10.103	98	311327	18.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.240%	#	
62) 4-Bromofluorobenzene	12.401	95	110377	18.268	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	36.540%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	65577	17.633	ug/l	99
3) Chloromethane	2.068	50	82646	17.075	ug/l	93
4) Vinyl Chloride	2.208	62	92581	17.381	ug/l	96
5) Bromomethane	2.592	94	57060	16.925	ug/l	90
6) Chloroethane	2.732	64	62255	17.398	ug/l	99
7) Trichlorofluoromethane	3.056	101	138779	17.510	ug/l	99
8) Diethyl Ether	3.458	74	42857	17.792	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	81370	17.650	ug/l	100
10) Methyl Iodide	4.000	142	82834	17.766	ug/l	99
11) Tert butyl alcohol	4.854	59	45691	104.433	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	72442	16.903	ug/l	94
13) Acrolein	3.653	56	36692	101.515	ug/l	98
14) Allyl chloride	4.385	41	134749	17.426	ug/l	100
15) Acrylonitrile	5.061	53	95289	86.488	ug/l	99
16) Acetone	3.872	43	107331	83.821	ug/l	96
17) Carbon Disulfide	4.104	76	190574	16.590	ug/l	100
18) Methyl Acetate	4.391	43	48137	17.451	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	213153	17.312	ug/l	98
20) Methylene Chloride	4.616	84	88015	17.032	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	81678	17.511	ug/l	97
22) Diisopropyl ether	6.018	45	299406	17.776	ug/l	94
23) Vinyl Acetate	5.964	43	832605	86.226	ug/l	99
24) 1,1-Dichloroethane	5.915	63	163823	17.497	ug/l	98
25) 2-Butanone	6.890	43	148441	86.607	ug/l	99
26) 2,2-Dichloropropane	6.884	77	145596	17.461	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	100404	17.418	ug/l	98
28) Bromochloromethane	7.244	49	80239	19.470	ug/l	99
29) Tetrahydrofuran	7.262	42	83724	85.552	ug/l	100
30) Chloroform	7.421	83	168532	17.658	ug/l	93
31) Cyclohexane	7.701	56	137858	16.773	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	146196	17.478	ug/l	99
36) 1,1-Dichloropropene	7.835	75	113949	17.467	ug/l	99
37) Ethyl Acetate	6.982	43	59463	17.481	ug/l	98
38) Carbon Tetrachloride	7.817	117	122286	17.486	ug/l	98
39) Methylcyclohexane	9.109	83	140509	17.094	ug/l	95
40) Benzene	8.079	78	352281	17.843	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019829.D
 Acq On : 09 Oct 2024 11:04
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	33626	18.264	ug/l	94
42) 1,2-Dichloroethane	8.158	62	100933	17.795	ug/l	100
43) Isopropyl Acetate	8.195	43	119654	17.248	ug/l	100
44) Trichloroethene	8.865	130	82242	17.199	ug/l	98
45) 1,2-Dichloropropane	9.140	63	88245	17.858	ug/l	97
46) Dibromomethane	9.231	93	47694	17.665	ug/l	99
47) Bromodichloromethane	9.420	83	125156	17.464	ug/l	99
48) Methyl methacrylate	9.219	41	51848	16.991	ug/l	97
49) 1,4-Dioxane	9.225	88	10924	361.508	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	302570	85.508	ug/l	100
52) Toluene	10.170	92	219564	17.816	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	112037	17.376	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	134322	17.655	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	63230	17.776	ug/l	96
56) Ethyl methacrylate	10.438	69	86703	16.987	ug/l	99
57) 1,3-Dichloropropane	10.713	76	109903	17.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	224798	94.607	ug/l	99
59) 2-Hexanone	10.755	43	219312	86.777	ug/l	100
60) Dibromochloromethane	10.908	129	80781	17.693	ug/l	97
61) 1,2-Dibromoethane	11.011	107	56934	17.712	ug/l	99
64) Tetrachloroethene	10.646	164	73174	17.763	ug/l	95
65) Chlorobenzene	11.438	112	239056	18.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	81007	18.075	ug/l	99
67) Ethyl Benzene	11.517	91	431084	17.915	ug/l	99
68) m/p-Xylenes	11.627	106	320381	36.051	ug/l	99
69) o-Xylene	11.950	106	154055	18.042	ug/l	99
70) Styrene	11.969	104	259526	18.015	ug/l	99
71) Bromoform	12.127	173	41644	17.357	ug/l #	99
73) Isopropylbenzene	12.249	105	416954	18.041	ug/l	99
74) N-amyl acetate	12.066	43	106042	17.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	72967	17.768	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	57760m	20.240	ug/l	
77) Bromobenzene	12.529	156	86210	17.578	ug/l	99
78) n-propylbenzene	12.590	91	507193	18.161	ug/l	100
79) 2-Chlorotoluene	12.676	91	286378	17.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	337042	18.057	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22618	16.960	ug/l	99
82) 4-Chlorotoluene	12.773	91	291230	17.790	ug/l	100
83) tert-Butylbenzene	12.993	119	297787	17.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	332348	17.959	ug/l	99
85) sec-Butylbenzene	13.170	105	440520	17.633	ug/l	100
86) p-Isopropyltoluene	13.285	119	359998	17.746	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	175584	17.728	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	172734	17.752	ug/l	98
89) n-Butylbenzene	13.615	91	349496	17.644	ug/l	100
90) Hexachloroethane	13.877	117	67690	17.136	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	155633	17.883	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11020	16.814	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	83360	17.083	ug/l	99
94) Hexachlorobutadiene	15.023	225	46439	17.117	ug/l	97
95) Naphthalene	15.139	128	152742	16.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	69691	16.894	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
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

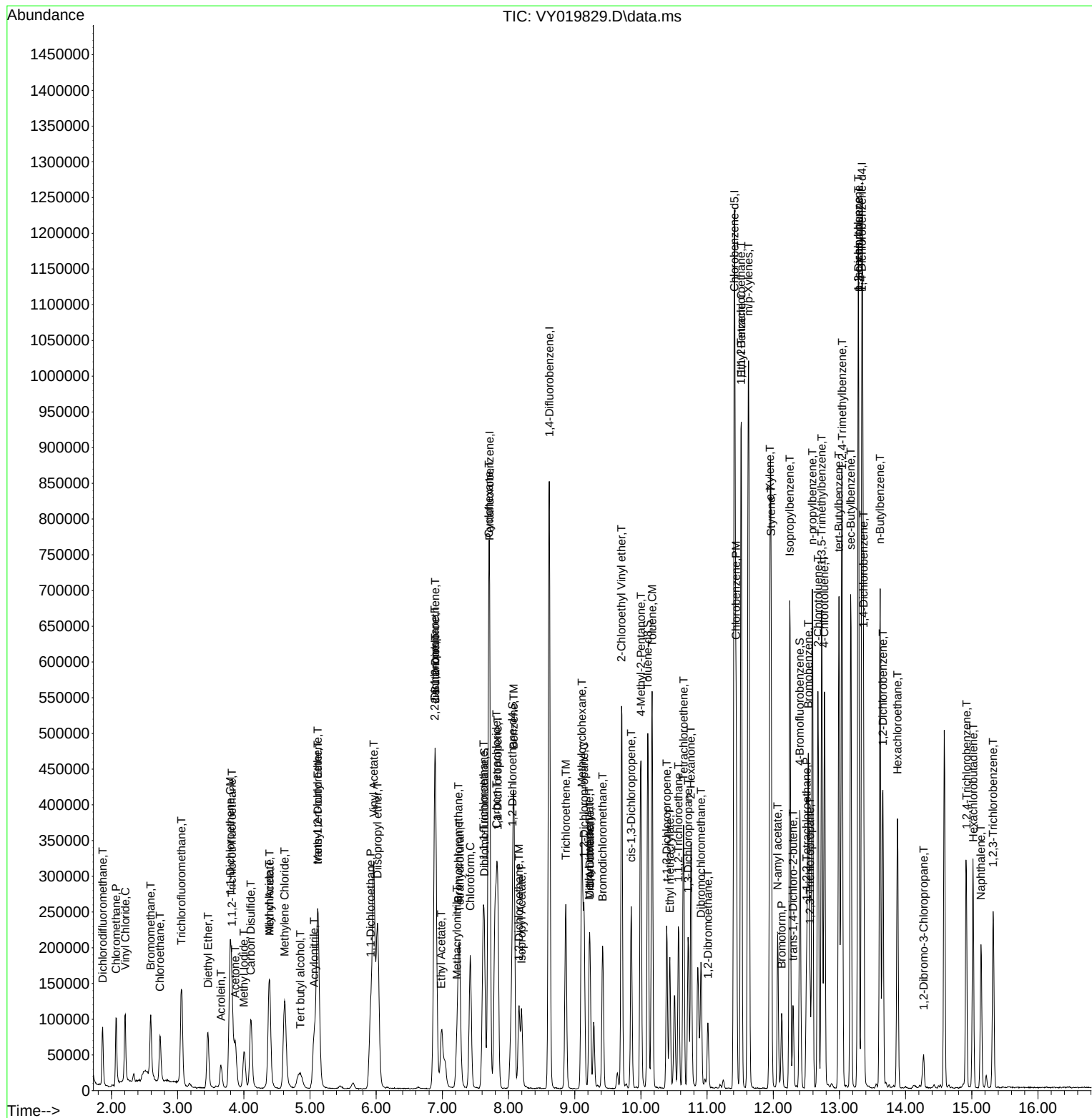
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:16:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019830.D
 Acq On : 09 Oct 2024 11:26
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:17:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	376582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	652229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	271955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218635	47.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.300%		
35) Dibromofluoromethane	7.634	113	209339	48.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.103	98	772997	48.634	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.401	95	277970	48.402	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	96.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	172619	49.240	ug/l	100
3) Chloromethane	2.068	50	231921	50.830	ug/l	100
4) Vinyl Chloride	2.202	62	259124	51.608	ug/l	100
5) Bromomethane	2.598	94	163168	51.342	ug/l	100
6) Chloroethane	2.732	64	171731	50.912	ug/l	100
7) Trichlorofluoromethane	3.062	101	376466	50.389	ug/l	100
8) Diethyl Ether	3.458	74	118188	52.051	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	218828	50.355	ug/l	100
10) Methyl Iodide	4.007	142	238365	54.233	ug/l	100
11) Tert butyl alcohol	4.854	59	94744	252.374	ug/l	100
12) 1,1-Dichloroethene	3.793	96	206999	51.238	ug/l	100
13) Acrolein	3.653	56	75001	220.129	ug/l	100
14) Allyl chloride	4.385	41	380793	52.240	ug/l	100
15) Acrylonitrile	5.055	53	270020	259.992	ug/l	100
16) Acetone	3.866	43	320427	265.464	ug/l	100
17) Carbon Disulfide	4.110	76	584406	53.968	ug/l	100
18) Methyl Acetate	4.385	43	131986	50.760	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	592784	51.073	ug/l	100
20) Methylene Chloride	4.616	84	233261	47.884	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	228011	51.856	ug/l	100
22) Diisopropyl ether	6.024	45	815528	51.364	ug/l	100
23) Vinyl Acetate	5.964	43	2401557	263.841	ug/l	100
24) 1,1-Dichloroethane	5.921	63	452600	51.280	ug/l	100
25) 2-Butanone	6.896	43	417253	258.255	ug/l	100
26) 2,2-Dichloropropane	6.884	77	393618	50.078	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	278623	51.276	ug/l	100
28) Bromochloromethane	7.244	49	199378	51.324	ug/l	100
29) Tetrahydrofuran	7.256	42	240189	260.365	ug/l	100
30) Chloroform	7.421	83	461316	51.274	ug/l	100
31) Cyclohexane	7.701	56	380045	49.053	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	401679	50.944	ug/l	100
36) 1,1-Dichloropropene	7.835	75	323381	52.153	ug/l	100
37) Ethyl Acetate	6.982	43	168308	52.055	ug/l	100
38) Carbon Tetrachloride	7.817	117	343937	51.741	ug/l	100
39) Methylcyclohexane	9.109	83	410379	52.526	ug/l	100
40) Benzene	8.079	78	970532	51.718	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019830.D
 Acq On : 09 Oct 2024 11:26
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:17:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	101564	58.039	ug/l	100
42) 1,2-Dichloroethane	8.158	62	280666	52.060	ug/l	100
43) Isopropyl Acetate	8.195	43	341732	51.825	ug/l	100
44) Trichloroethene	8.865	130	238984	52.581	ug/l	100
45) 1,2-Dichloropropane	9.140	63	238678	50.815	ug/l	100
46) Dibromomethane	9.231	93	132799	51.749	ug/l	100
47) Bromodichloromethane	9.420	83	353916	51.958	ug/l	100
48) Methyl methacrylate	9.219	41	154785	53.365	ug/l	100
49) 1,4-Dioxane	9.225	88	30969	1078.234	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	877883	261.016	ug/l	100
52) Toluene	10.170	92	613036	52.335	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	324446	52.938	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	377341	52.179	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	175360	51.866	ug/l	100
56) Ethyl methacrylate	10.438	69	263123	54.236	ug/l	100
57) 1,3-Dichloropropane	10.713	76	309112	52.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	556812	246.542	ug/l	100
59) 2-Hexanone	10.755	43	641505	267.049	ug/l	100
60) Dibromochloromethane	10.908	129	224272	51.680	ug/l	100
61) 1,2-Dibromoethane	11.011	107	160393	52.497	ug/l	100
64) Tetrachloroethene	10.646	164	206807	51.709	ug/l	100
65) Chlorobenzene	11.438	112	658325	51.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	223562	51.379	ug/l	100
67) Ethyl Benzene	11.517	91	1216822	52.085	ug/l	100
68) m/p-Xylenes	11.627	106	895487	103.787	ug/l	100
69) o-Xylene	11.950	106	432232	52.139	ug/l	100
70) Styrene	11.969	104	733231	52.425	ug/l	100
71) Bromoform	12.127	173	123682	53.097	ug/l #	100
73) Isopropylbenzene	12.249	105	1160583	50.736	ug/l	100
74) N-amyl acetate	12.066	43	319155	52.678	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	207455	51.039	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	137865m	48.811	ug/l	100
77) Bromobenzene	12.529	156	248295	51.151	ug/l	100
78) n-propylbenzene	12.590	91	1417674	51.290	ug/l	100
79) 2-Chlorotoluene	12.676	91	808973	51.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	943653	51.081	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	68301	51.748	ug/l	100
82) 4-Chlorotoluene	12.773	91	823660	50.835	ug/l	100
83) tert-Butylbenzene	12.993	119	843078	50.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	942572	51.463	ug/l	100
85) sec-Butylbenzene	13.170	105	1283255	51.898	ug/l	100
86) p-Isopropyltoluene	13.285	119	1036077	51.602	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	494583	50.453	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	489868	50.867	ug/l	100
89) n-Butylbenzene	13.615	91	1040714	53.083	ug/l	100
90) Hexachloroethane	13.877	117	200883	51.381	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	438452	50.904	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	32794	50.555	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	262465	54.343	ug/l	100
94) Hexachlorobutadiene	15.017	225	143964	53.614	ug/l	100
95) Naphthalene	15.139	128	501768	55.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	223695	54.790	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
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

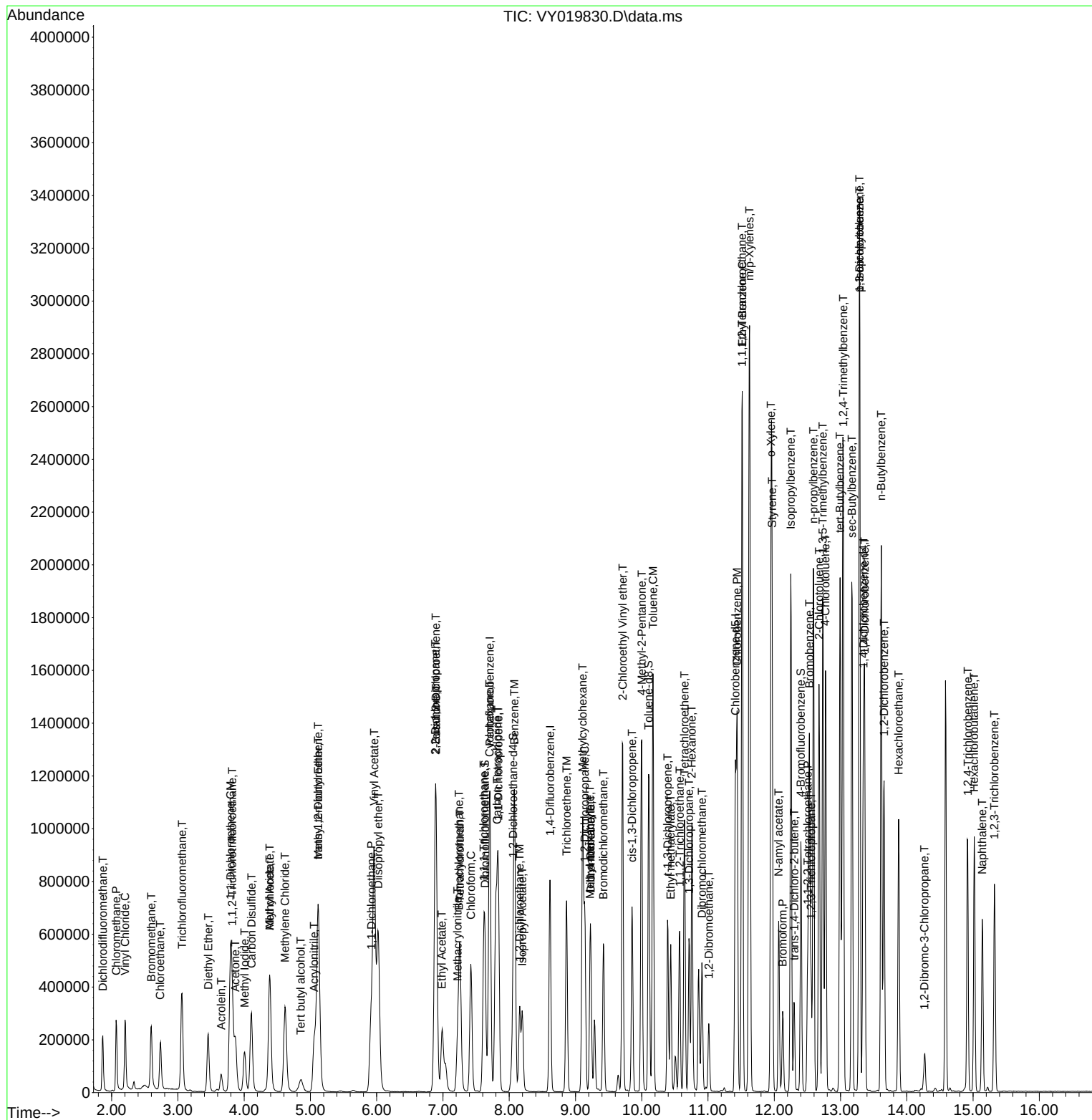
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Oct 10 05:17:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019831.D
 Acq On : 09 Oct 2024 11:49
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	399543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	674919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	589258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	280903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	466054	94.735	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	189.480%#	
35) Dibromofluoromethane	7.634	113	439652	98.716	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	197.440%#	
50) Toluene-d8	10.103	98	1608316	97.788	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	195.580%#	
62) 4-Bromofluorobenzene	12.402	95	576291	96.973	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	193.940%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	346639	93.197	ug/l	99
3) Chloromethane	2.068	50	439794	90.849	ug/l	97
4) Vinyl Chloride	2.202	62	498744	93.624	ug/l	98
5) Bromomethane	2.592	94	311487	92.379	ug/l	98
6) Chloroethane	2.733	64	326380	91.200	ug/l	99
7) Trichlorofluoromethane	3.056	101	731395	92.270	ug/l	98
8) Diethyl Ether	3.458	74	227317	94.358	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	427581	92.738	ug/l	99
10) Methyl Iodide	4.007	142	454738	97.517	ug/l	99
11) Tert butyl alcohol	4.860	59	188738	490.425	ug/l	100
12) 1,1-Dichloroethene	3.787	96	399038	93.096	ug/l	98
13) Acrolein	3.653	56	145388	402.193	ug/l	99
14) Allyl chloride	4.385	41	720821	93.204	ug/l	99
15) Acrylonitrile	5.061	53	528321	479.466	ug/l	100
16) Acetone	3.866	43	607853	474.648	ug/l	100
17) Carbon Disulfide	4.104	76	1121588	97.624	ug/l	100
18) Methyl Acetate	4.385	43	256490	92.974	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1152848	93.619	ug/l	99
20) Methylene Chloride	4.622	84	434102	83.991	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	437256	93.729	ug/l	99
22) Diisopropyl ether	6.019	45	1551540	92.103	ug/l	98
23) Vinyl Acetate	5.964	43	4640029	480.470	ug/l	99
24) 1,1-Dichloroethane	5.915	63	865956	92.476	ug/l	100
25) 2-Butanone	6.896	43	802529	468.172	ug/l	98
26) 2,2-Dichloropropane	6.890	77	755135	90.550	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	534246	92.669	ug/l	99
28) Bromochloromethane	7.244	49	385755	93.594	ug/l	98
29) Tetrahydrofuran	7.262	42	470106	480.310	ug/l	100
30) Chloroform	7.421	83	880963	92.290	ug/l	97
31) Cyclohexane	7.701	56	731399	88.978	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	781774	93.453	ug/l	99
36) 1,1-Dichloropropene	7.835	75	614134	95.713	ug/l	99
37) Ethyl Acetate	6.988	43	333253	99.605	ug/l	100
38) Carbon Tetrachloride	7.817	117	668267	97.152	ug/l	97
39) Methylcyclohexane	9.109	83	784660	97.056	ug/l	99
40) Benzene	8.079	78	1836648	94.582	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019831.D
 Acq On : 09 Oct 2024 11:49
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	174585	96.413	ug/l	90
42) 1,2-Dichloroethane	8.158	62	537873	96.414	ug/l	100
43) Isopropyl Acetate	8.195	43	670131	98.212	ug/l #	89
44) Trichloroethene	8.866	130	449896	95.657	ug/l	97
45) 1,2-Dichloropropane	9.140	63	454844	93.582	ug/l	97
46) Dibromomethane	9.231	93	253769	95.564	ug/l	99
47) Bromodichloromethane	9.420	83	676772	96.016	ug/l	99
48) Methyl methacrylate	9.219	41	307095	102.316	ug/l	98
49) 1,4-Dioxane	9.225	88	58595	1971.492	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	1712900	492.165	ug/l	99
52) Toluene	10.170	92	1169222	96.461	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	625756	98.669	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	731095	97.697	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	334601	95.637	ug/l	99
56) Ethyl methacrylate	10.438	69	513797	102.346	ug/l	99
57) 1,3-Dichloropropane	10.713	76	592969	96.510	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1185407	507.222	ug/l	99
59) 2-Hexanone	10.755	43	1250214	502.949	ug/l	100
60) Dibromochloromethane	10.908	129	443160	98.687	ug/l	97
61) 1,2-Dibromoethane	11.012	107	304519	96.320	ug/l	99
64) Tetrachloroethene	10.646	164	386629	92.245	ug/l	98
65) Chlorobenzene	11.438	112	1254471	93.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	431042	94.527	ug/l	99
67) Ethyl Benzene	11.518	91	2301755	94.015	ug/l	99
68) m/p-Xylenes	11.627	106	1696340	187.606	ug/l	100
69) o-Xylene	11.950	106	824619	94.919	ug/l	100
70) Styrene	11.969	104	1403875	95.780	ug/l	100
71) Bromoform	12.127	173	240288	98.434	ug/l #	100
73) Isopropylbenzene	12.249	105	2198054	93.029	ug/l	100
74) N-amyl acetate	12.066	43	630968	100.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	403664	96.148	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	268287m	91.961	ug/l	
77) Bromobenzene	12.530	156	472215	94.181	ug/l	99
78) n-propylbenzene	12.591	91	2669979	93.520	ug/l	99
79) 2-Chlorotoluene	12.676	91	1509965	92.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1786278	93.613	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	136172	99.883	ug/l	96
82) 4-Chlorotoluene	12.773	91	1544655	92.297	ug/l	99
83) tert-Butylbenzene	12.993	119	1589606	92.992	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1772395	93.687	ug/l	100
85) sec-Butylbenzene	13.170	105	2369538	92.778	ug/l	100
86) p-Isopropyltoluene	13.286	119	1943974	93.735	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	927379	91.590	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	918591	92.346	ug/l	100
89) n-Butylbenzene	13.615	91	1918293	94.728	ug/l	100
90) Hexachloroethane	13.877	117	388866	96.294	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	828259	93.096	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66288	98.933	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	497483	99.722	ug/l	100
94) Hexachlorobutadiene	15.017	225	265216	95.624	ug/l	99
95) Naphthalene	15.139	128	1014718	107.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	427428	101.356	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
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

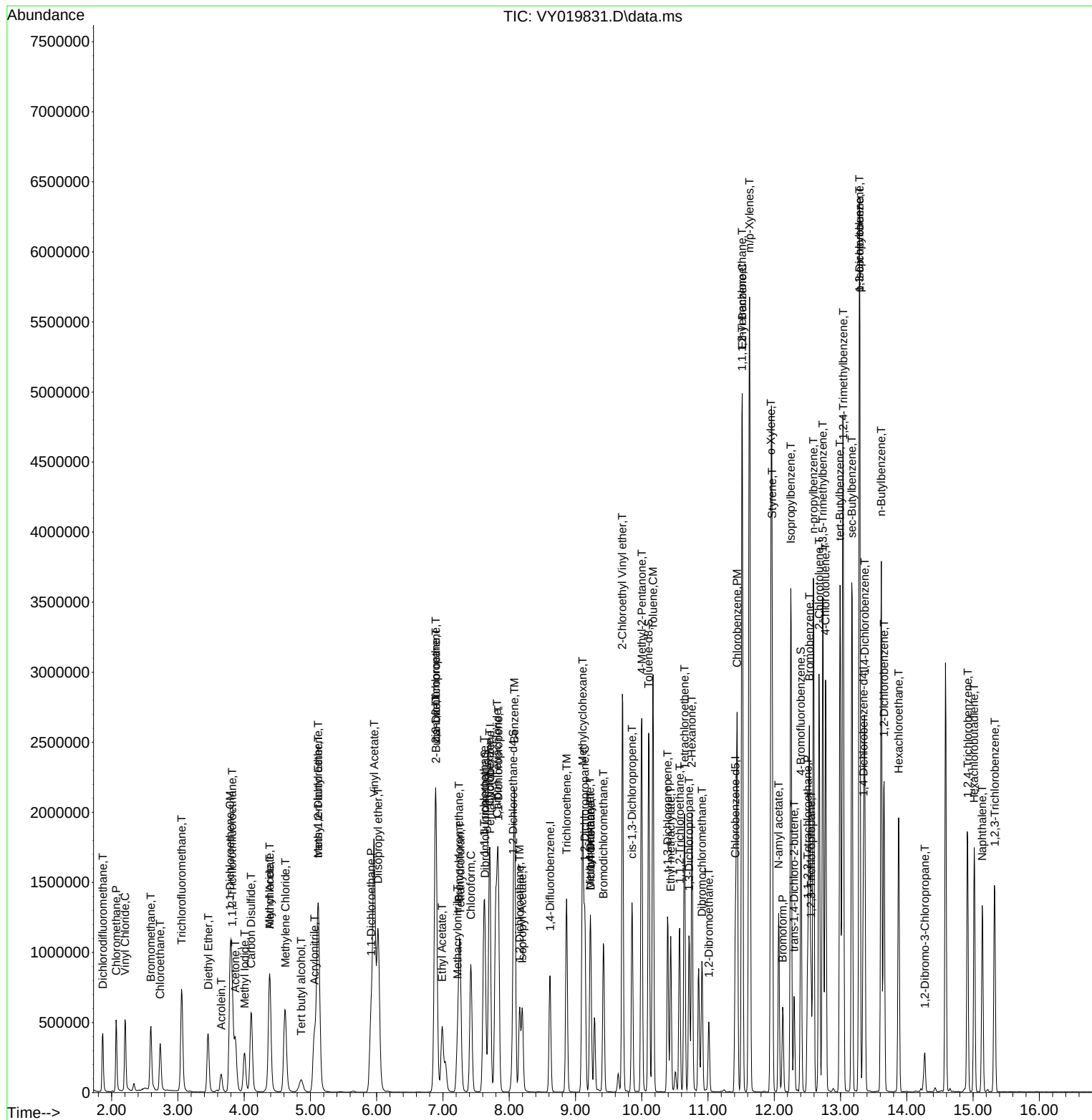
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019832.D
 Acq On : 09 Oct 2024 12:11
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	396915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	678680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	722957	147.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 295.860%#			
35) Dibromofluoromethane	7.634	113	694656	155.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 310.220%#			
50) Toluene-d8	10.109	98	2537328	153.418	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 306.840%#			
62) 4-Bromofluorobenzene	12.402	95	916338	153.339	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 306.680%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	585892	158.565	ug/l	98
3) Chloromethane	2.068	50	798560	166.053	ug/l	99
4) Vinyl Chloride	2.202	62	852845	161.156	ug/l	100
5) Bromomethane	2.592	94	531912	158.796	ug/l	100
6) Chloroethane	2.733	64	561947	158.064	ug/l	97
7) Trichlorofluoromethane	3.056	101	1251005	158.867	ug/l	96
8) Diethyl Ether	3.458	74	383280	160.151	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	721787	157.584	ug/l	99
10) Methyl Iodide	4.007	142	747271	161.311	ug/l	100
11) Tert butyl alcohol	4.885	59	284963	755.176	ug/l	99
12) 1,1-Dichloroethene	3.787	96	679168	159.500	ug/l	95
13) Acrolein	3.659	56	236461	658.464	ug/l	98
14) Allyl chloride	4.385	41	1216534	158.343	ug/l	100
15) Acrylonitrile	5.061	53	848983	775.578	ug/l	100
16) Acetone	3.879	43	912619	717.346	ug/l	97
17) Carbon Disulfide	4.104	76	1888753	165.487	ug/l	100
18) Methyl Acetate	4.391	43	442370	161.415	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	1925958	157.437	ug/l	98
20) Methylene Chloride	4.616	84	717870	139.815	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	729032	157.309	ug/l	99
22) Diisopropyl ether	6.025	45	2570555	153.605	ug/l	98
23) Vinyl Acetate	5.964	43	7535742	785.485	ug/l	100
24) 1,1-Dichloroethane	5.915	63	1445405	155.378	ug/l	99
25) 2-Butanone	6.896	43	1256383	737.790	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1264317	152.611	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	891915	155.734	ug/l	99
28) Bromochloromethane	7.244	49	599875	146.508	ug/l	99
29) Tetrahydrofuran	7.268	42	743751	764.926	ug/l	99
30) Chloroform	7.421	83	1464004	154.385	ug/l	99
31) Cyclohexane	7.701	56	1219720	149.367	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	1323990	159.317	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1036099	160.582	ug/l	99
37) Ethyl Acetate	6.988	43	525554	156.210	ug/l	100
38) Carbon Tetrachloride	7.817	117	1138895	164.654	ug/l	99
39) Methylcyclohexane	9.109	83	1339043	164.711	ug/l	98
40) Benzene	8.079	78	3082261	157.848	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019832.D
 Acq On : 09 Oct 2024 12:11
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	307343	168.786	ug/l	94
42) 1,2-Dichloroethane	8.158	62	888679	158.413	ug/l	99
43) Isopropyl Acetate	8.201	43	1096296	159.778	ug/l	100
44) Trichloroethene	8.866	130	754171	159.464	ug/l	95
45) 1,2-Dichloropropane	9.140	63	755395	154.558	ug/l	98
46) Dibromomethane	9.231	93	417621	156.395	ug/l	98
47) Bromodichloromethane	9.420	83	1139669	160.793	ug/l	99
48) Methyl methacrylate	9.219	41	525958	174.265	ug/l	96
49) 1,4-Dioxane	9.237	88	92452	3093.409	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	2795976	798.912	ug/l	100
52) Toluene	10.170	92	1953896	160.303	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1067220	167.346	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1228314	163.232	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	552194	156.956	ug/l	99
56) Ethyl methacrylate	10.438	69	867997	171.943	ug/l	100
57) 1,3-Dichloropropane	10.713	76	969272	156.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1849035	786.796	ug/l	99
59) 2-Hexanone	10.762	43	2004280	801.835	ug/l	99
60) Dibromochloromethane	10.908	129	741465	164.201	ug/l	98
61) 1,2-Dibromoethane	11.012	107	505709	159.070	ug/l	99
64) Tetrachloroethene	10.646	164	664013	159.217	ug/l	98
65) Chlorobenzene	11.438	112	2113807	157.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	727387	160.312	ug/l	99
67) Ethyl Benzene	11.518	91	3885454	159.494	ug/l	98
68) m/p-Xylenes	11.627	106	2859768	317.854	ug/l	99
69) o-Xylene	11.950	106	1377967	159.404	ug/l	100
70) Styrene	11.969	104	2345126	160.796	ug/l	99
71) Bromoform	12.127	173	408699	168.260	ug/l #	99
73) Isopropylbenzene	12.255	105	3683189	159.413	ug/l	100
74) N-amyl acetate	12.066	43	1045778	170.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	663721	161.669	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	430858m	151.028	ug/l	
77) Bromobenzene	12.530	156	784626	160.032	ug/l	99
78) n-propylbenzene	12.591	91	4426286	158.547	ug/l	99
79) 2-Chlorotoluene	12.676	91	2526778	157.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2960841	158.681	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	231021	173.290	ug/l	95
82) 4-Chlorotoluene	12.773	91	2581267	157.729	ug/l	100
83) tert-Butylbenzene	12.993	119	2640275	157.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	2948705	159.393	ug/l	100
85) sec-Butylbenzene	13.176	105	3947759	158.071	ug/l	100
86) p-Isopropyltoluene	13.292	119	3233062	159.421	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1554919	157.043	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1529859	157.278	ug/l	99
89) n-Butylbenzene	13.615	91	3223421	162.780	ug/l	99
90) Hexachloroethane	13.877	117	662225	167.697	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	1370278	157.505	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	106025	161.821	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	846149	173.453	ug/l	100
94) Hexachlorobutadiene	15.023	225	451281	166.393	ug/l	99
95) Naphthalene	15.139	128	1715521	186.455	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	718465	174.226	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
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

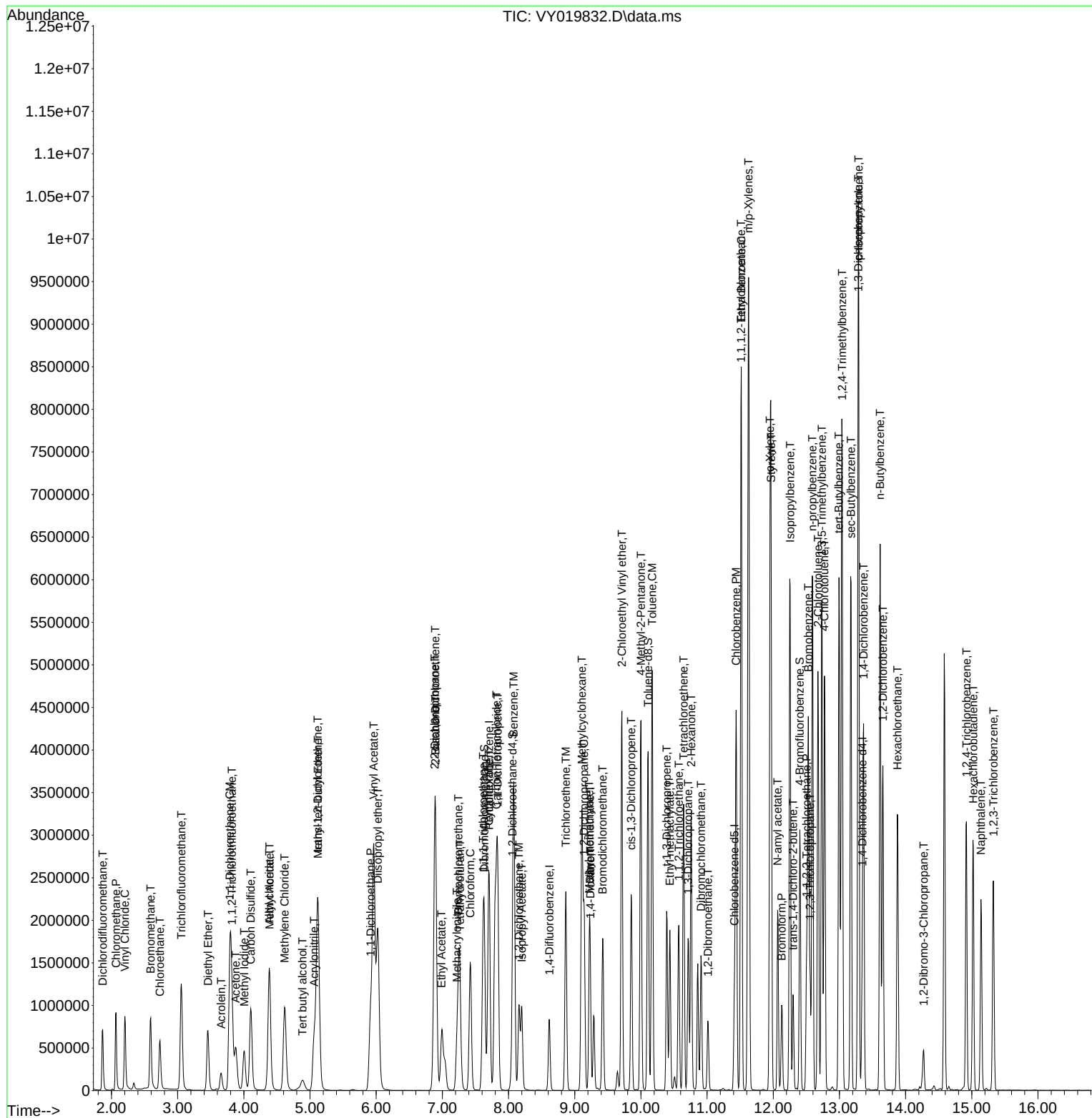
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:19:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:14:43 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019834.D
 Acq On : 09 Oct 2024 15:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100924

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	430698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	723884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	604297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	285838	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	233998	44.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.240%
35) Dibromofluoromethane	7.634	113	228064	47.744	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.480%
50) Toluene-d8	10.103	98	855648	48.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.401	95	297494	46.674	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	211482	52.746	ug/l	100
3) Chloromethane	2.074	50	267731	51.305	ug/l	98
4) Vinyl Chloride	2.208	62	302525	52.682	ug/l	99
5) Bromomethane	2.598	94	188629	51.896	ug/l	99
6) Chloroethane	2.738	64	194374	50.385	ug/l	92
7) Trichlorofluoromethane	3.062	101	443589	51.914	ug/l	99
8) Diethyl Ether	3.458	74	129997	50.058	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	257043	51.717	ug/l	100
10) Methyl Iodide	4.007	142	265733	52.864	ug/l	98
11) Tert butyl alcohol	4.866	59	97246	224.555	ug/l	100
12) 1,1-Dichloroethene	3.793	96	241587	52.286	ug/l	97
13) Acrolein	3.653	56	96920	248.720	ug/l	99
14) Allyl chloride	4.391	41	428800	51.434	ug/l	99
15) Acrylonitrile	5.067	53	282187	237.568	ug/l	100
16) Acetone	3.872	43	324300	234.915	ug/l	99
17) Carbon Disulfide	4.110	76	676399	54.615	ug/l	99
18) Methyl Acetate	4.385	43	140374	47.203	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	649655	48.940	ug/l	96
20) Methylene Chloride	4.622	84	260836	46.817	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	259294	51.561	ug/l	96
22) Diisopropyl ether	6.018	45	902486	49.699	ug/l	98
23) Vinyl Acetate	5.964	43	2572778	247.138	ug/l	99
24) 1,1-Dichloroethane	5.915	63	509324	50.457	ug/l	99
25) 2-Butanone	6.896	43	425540	230.290	ug/l	99
26) 2,2-Dichloropropane	6.884	77	463783	51.590	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	314625	50.626	ug/l	99
28) Bromochloromethane	7.244	49	205401	46.231	ug/l	99
29) Tetrahydrofuran	7.262	42	245375	232.566	ug/l	99
30) Chloroform	7.421	83	518647	50.403	ug/l	97
31) Cyclohexane	7.701	56	438371	49.472	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	466878	51.773	ug/l	100
36) 1,1-Dichloropropene	7.835	75	373449	54.265	ug/l	99
37) Ethyl Acetate	6.988	43	176947	49.310	ug/l	100
38) Carbon Tetrachloride	7.817	117	405617	54.980	ug/l	96
39) Methylcyclohexane	9.109	83	466748	53.828	ug/l	99
40) Benzene	8.079	78	1094650	52.558	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019834.D
 Acq On : 09 Oct 2024 15:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100924

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/10/2024
 Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	90045	46.363	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	303059	50.649	ug/l	99
43) Isopropyl Acetate	8.195	43	360757	49.295	ug/l	100
44) Trichloroethene	8.865	130	268143	53.156	ug/l	98
45) 1,2-Dichloropropane	9.140	63	266447	51.112	ug/l	99
46) Dibromomethane	9.231	93	142048	49.874	ug/l	100
47) Bromodichloromethane	9.420	83	389060	51.464	ug/l	99
48) Methyl methacrylate	9.219	41	168043	52.201	ug/l	97
49) 1,4-Dioxane	9.231	88	29492	925.169	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	913222	244.646	ug/l	100
52) Toluene	10.170	92	688634	52.969	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	350338	51.505	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	414888	51.692	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	188507	50.235	ug/l	98
56) Ethyl methacrylate	10.438	69	277264	51.494	ug/l	99
57) 1,3-Dichloropropane	10.719	76	327837	49.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	593052	236.595	ug/l	99
59) 2-Hexanone	10.755	43	658677	247.056	ug/l	99
60) Dibromochloromethane	10.908	129	242202	50.287	ug/l	99
61) 1,2-Dibromoethane	11.011	107	165931	48.934	ug/l	99
64) Tetrachloroethene	10.646	164	224993	52.345	ug/l	99
65) Chlorobenzene	11.438	112	731619	52.932	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	246451	52.701	ug/l	99
67) Ethyl Benzene	11.517	91	1358983	54.126	ug/l	99
68) m/p-Xylenes	11.627	106	998713	107.703	ug/l	100
69) o-Xylene	11.950	106	475544	53.376	ug/l	100
70) Styrene	11.969	104	798999	53.155	ug/l	100
71) Bromoform	12.133	173	129999	51.929	ug/l #	99
73) Isopropylbenzene	12.255	105	1291391	53.712	ug/l	100
74) N-amyl acetate	12.066	43	333199	52.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	213934	50.077	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	147134m	49.434	ug/l	
77) Bromobenzene	12.529	156	266033	52.143	ug/l	99
78) n-propylbenzene	12.590	91	1580208	54.394	ug/l	100
79) 2-Chlorotoluene	12.676	91	884605	53.113	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1042089	53.670	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	72989	52.613	ug/l	97
82) 4-Chlorotoluene	12.773	91	904186	53.095	ug/l	99
83) tert-Butylbenzene	12.993	119	928800	53.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1023548	53.170	ug/l	100
85) sec-Butylbenzene	13.176	105	1396101	53.720	ug/l	100
86) p-Isopropyltoluene	13.285	119	1126019	53.357	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	533804	51.809	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	518316	51.207	ug/l	100
89) n-Butylbenzene	13.615	91	1122433	54.470	ug/l	100
90) Hexachloroethane	13.877	117	224415	54.612	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	465022	51.366	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33414	49.008	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	269549	53.099	ug/l	99
94) Hexachlorobutadiene	15.023	225	148493	52.615	ug/l	100
95) Naphthalene	15.139	128	506717	52.925	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	224718	52.368	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

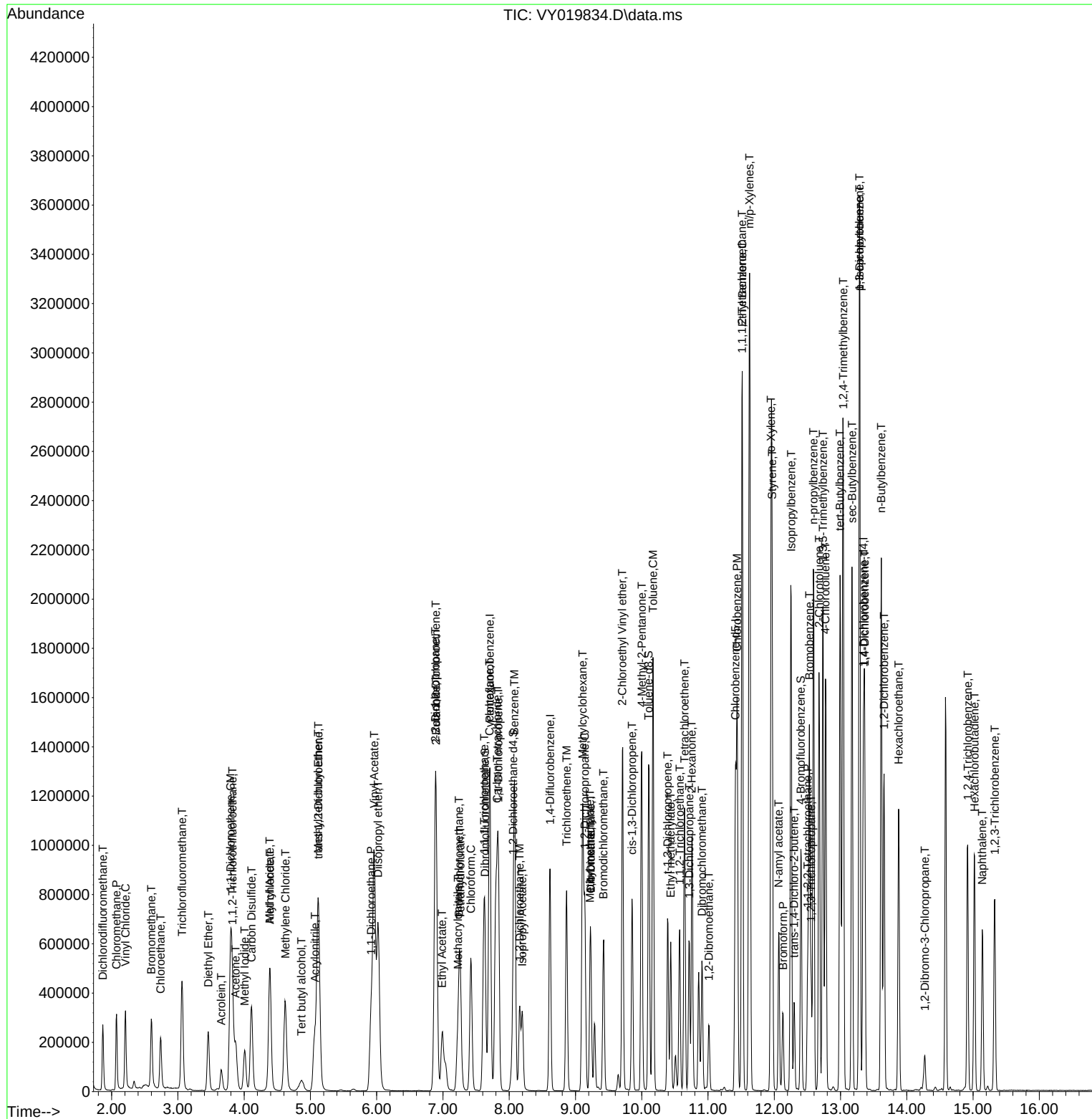
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Manual Integrations

Reviewed By :Romaben Patel 10/10/2024
Supervised By :Mahesh Dadoda 10/10/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019834.D
 Acq On : 09 Oct 2024 15:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100924

Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	114	0.00
2 T	Dichlorodifluoromethane	0.465	0.491	-5.6	123	0.00
3 P	Chloromethane	0.606	0.622	-2.6	115	0.00
4 C	Vinyl Chloride	0.667	0.702	-5.2#	117	0.00
5 T	Bromomethane	0.422	0.438	-3.8	116	0.00
6 T	Chloroethane	0.448	0.451	-0.7	113	0.00
7 T	Trichlorofluoromethane	0.992	1.030	-3.8	118	0.00
8 T	Diethyl Ether	0.301	0.302	-0.3	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.577	0.597	-3.5	117	0.00
10 T	Methyl Iodide	0.584	0.617	-5.7	111	0.00
11 T	Tert butyl alcohol	0.058	0.045	22.4	103	0.01
12 CM	1,1-Dichloroethene	0.536	0.561	-4.7#	117	0.00
13 T	Acrolein	0.045	0.045	0.0	129	0.00
14 T	Allyl chloride	0.968	0.996	-2.9	113	0.00
15 T	Acrylonitrile	0.138	0.131	5.1	105	0.01
16 T	Acetone	0.160	0.151	5.6	101	0.00
17 T	Carbon Disulfide	1.438	1.570	-9.2	116	0.00
18 T	Methyl Acetate	0.345	0.326	5.5	106	0.00
19 T	Methyl tert-butyl Ether	1.541	1.508	2.1	110	0.00
20 T	Methylene Chloride	0.647	0.606	6.3	112	0.00
21 T	trans-1,2-Dichloroethene	0.584	0.602	-3.1	114	0.00
22 T	Diisopropyl ether	2.108	2.095	0.6	111	0.00
23 T	Vinyl Acetate	1.209	1.195	1.2	107	0.00
24 P	1,1-Dichloroethane	1.172	1.183	-0.9	113	0.00
25 T	2-Butanone	0.215	0.198	7.9	102	0.00
26 T	2,2-Dichloropropane	1.044	1.077	-3.2	118	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.731	-1.4	113	0.00
28 T	Bromochloromethane	0.516	0.477	7.6	103	0.00
29 T	Tetrahydrofuran	0.122	0.114	6.6	102	0.00
30 C	Chloroform	1.195	1.204	-0.8#	112	0.00
31 T	Cyclohexane	1.029	1.018	1.1	115	0.00
32 T	1,1,1-Trichloroethane	1.047	1.084	-3.5	116	0.00
33 S	1,2-Dichloroethane-d4	0.616	0.543	11.9	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
35 S	Dibromofluoromethane	0.330	0.315	4.5	109	0.00
36 T	1,1-Dichloropropene	0.475	0.516	-8.6	115	0.00
37 T	Ethyl Acetate	0.248	0.244	1.6	105	0.00
38 T	Carbon Tetrachloride	0.510	0.560	-9.8	118	0.00
39 T	Methylcyclohexane	0.599	0.645	-7.7	114	0.00
40 TM	Benzene	1.439	1.512	-5.1	113	0.00
41 T	Methacrylonitrile	0.134	0.124	7.5	89	0.00
42 TM	1,2-Dichloroethane	0.413	0.419	-1.5	108	0.00
43 T	Isopropyl Acetate	0.505	0.498	1.4	106	0.00
44 TM	Trichloroethene	0.348	0.370	-6.3	112	0.00
45 C	1,2-Dichloropropane	0.360	0.368	-2.2#	112	0.00
46 T	Dibromomethane	0.197	0.196	0.5	107	0.00
47 T	Bromodichloromethane	0.522	0.537	-2.9	110	0.00
48 T	Methyl methacrylate	0.222	0.232	-4.5	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019834.D
 Acq On : 09 Oct 2024 15:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY100924

Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	95	0.00
50 S	Toluene-d8	1.218	1.182	3.0	111	0.00
51 T	4-Methyl-2-Pentanone	0.258	0.252	2.3	104	0.00
52 CM	Toluene	0.898	0.951	-5.9#	112	0.00
53 T	t-1,3-Dichloropropene	0.470	0.484	-3.0	108	0.00
54 T	cis-1,3-Dichloropropene	0.554	0.573	-3.4	110	0.00
55 T	1,1,2-Trichloroethane	0.259	0.260	-0.4	107	0.00
56 T	Ethyl methacrylate	0.372	0.383	-3.0	105	0.00
57 T	1,3-Dichloropropane	0.455	0.453	0.4	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.173	0.164	5.2	107	0.00
59 T	2-Hexanone	0.184	0.182	1.1	103	0.00
60 T	Dibromochloromethane	0.333	0.335	-0.6	108	0.00
61 T	1,2-Dibromoethane	0.234	0.229	2.1	103	0.00
62 S	4-Bromofluorobenzene	0.440	0.411	6.6	107	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.356	0.372	-4.5	109	0.00
65 PM	Chlorobenzene	1.144	1.211	-5.9	111	0.00
66 T	1,1,1,2-Tetrachloroethane	0.387	0.408	-5.4	110	0.00
67 C	Ethyl Benzene	2.077	2.249	-8.3#	112	0.00
68 T	m/p-Xylenes	0.767	0.826	-7.7	112	0.00
69 T	o-Xylene	0.737	0.787	-6.8	110	0.00
70 T	Styrene	1.244	1.322	-6.3	109	0.00
71 P	Bromoform	0.207	0.215	-3.9	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	4.206	4.518	-7.4	111	0.00
74 T	N-amyl acetate	1.114	1.166	-4.7	104	0.00
75 P	1,1,2,2-Tetrachloroethane	0.747	0.748	-0.1	103	0.00
76 T	1,2,3-Trichloropropane	0.521	0.515	1.2	107	0.00
77 T	Bromobenzene	0.892	0.931	-4.4	107	0.00
78 T	n-propylbenzene	5.082	5.528	-8.8	111	0.00
79 T	2-Chlorotoluene	2.913	3.095	-6.2	109	0.00
80 T	1,3,5-Trimethylbenzene	3.396	3.646	-7.4	110	0.00
81 T	trans-1,4-Dichloro-2-butene	0.243	0.255	-4.9	107	0.00
82 T	4-Chlorotoluene	2.979	3.163	-6.2	110	0.00
83 T	tert-Butylbenzene	3.043	3.249	-6.8	110	0.00
84 T	1,2,4-Trimethylbenzene	3.367	3.581	-6.4	109	0.00
85 T	sec-Butylbenzene	4.546	4.884	-7.4	109	0.00
86 T	p-Isopropyltoluene	3.691	3.939	-6.7	109	0.00
87 T	1,3-Dichlorobenzene	1.802	1.868	-3.7	108	0.00
88 T	1,4-Dichlorobenzene	1.771	1.813	-2.4	106	0.00
89 T	n-Butylbenzene	3.605	3.927	-8.9	108	0.00
90 T	Hexachloroethane	0.719	0.785	-9.2	112	0.00
91 T	1,2-Dichlorobenzene	1.584	1.627	-2.7	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.119	0.117	1.7	102	0.00
93 T	1,2,4-Trichlorobenzene	0.888	0.943	-6.2	103	0.00
94 T	Hexachlorobutadiene	0.494	0.520	-5.3	103	0.00
95 T	Naphthalene	1.675	1.773	-5.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
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Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	0.751	0.786	-4.7	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
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 Operator : SY/MD
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 MSVOA_Y
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Quant Time: Oct 10 05:34:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	114	0.00
2 T	Dichlorodifluoromethane	50.000	52.746	-5.5	123	0.00
3 P	Chloromethane	50.000	51.305	-2.6	115	0.00
4 C	Vinyl Chloride	50.000	52.682	-5.4#	117	0.00
5 T	Bromomethane	50.000	51.896	-3.8	116	0.00
6 T	Chloroethane	50.000	50.385	-0.8	113	0.00
7 T	Trichlorofluoromethane	50.000	51.914	-3.8	118	0.00
8 T	Diethyl Ether	50.000	50.058	-0.1	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.717	-3.4	117	0.00
10 T	Methyl Iodide	50.000	52.864	-5.7	111	0.00
11 T	Tert butyl alcohol	250.000	224.555	10.2	103	0.01
12 CM	1,1-Dichloroethene	50.000	52.286	-4.6#	117	0.00
13 T	Acrolein	250.000	248.720	0.5	129	0.00
14 T	Allyl chloride	50.000	51.434	-2.9	113	0.00
15 T	Acrylonitrile	250.000	237.568	5.0	105	0.01
16 T	Acetone	250.000	234.915	6.0	101	0.00
17 T	Carbon Disulfide	50.000	54.615	-9.2	116	0.00
18 T	Methyl Acetate	50.000	47.203	5.6	106	0.00
19 T	Methyl tert-butyl Ether	50.000	48.940	2.1	110	0.00
20 T	Methylene Chloride	50.000	46.817	6.4	112	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.561	-3.1	114	0.00
22 T	Diisopropyl ether	50.000	49.699	0.6	111	0.00
23 T	Vinyl Acetate	250.000	247.138	1.1	107	0.00
24 P	1,1-Dichloroethane	50.000	50.457	-0.9	113	0.00
25 T	2-Butanone	250.000	230.290	7.9	102	0.00
26 T	2,2-Dichloropropane	50.000	51.590	-3.2	118	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.626	-1.3	113	0.00
28 T	Bromochloromethane	50.000	46.231	7.5	103	0.00
29 T	Tetrahydrofuran	250.000	232.566	7.0	102	0.00
30 C	Chloroform	50.000	50.403	-0.8#	112	0.00
31 T	Cyclohexane	50.000	49.472	1.1	115	0.00
32 T	1,1,1-Trichloroethane	50.000	51.773	-3.5	116	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.124	11.8	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	111	0.00
35 S	Dibromofluoromethane	50.000	47.744	4.5	109	0.00
36 T	1,1-Dichloropropene	50.000	54.265	-8.5	115	0.00
37 T	Ethyl Acetate	50.000	49.310	1.4	105	0.00
38 T	Carbon Tetrachloride	50.000	54.980	-10.0	118	0.00
39 T	Methylcyclohexane	50.000	53.828	-7.7	114	0.00
40 TM	Benzene	50.000	52.558	-5.1	113	0.00
41 T	Methacrylonitrile	50.000	46.363	7.3	89	0.00
42 TM	1,2-Dichloroethane	50.000	50.649	-1.3	108	0.00
43 T	Isopropyl Acetate	50.000	49.295	1.4	106	0.00
44 TM	Trichloroethene	50.000	53.156	-6.3	112	0.00
45 C	1,2-Dichloropropane	50.000	51.112	-2.2#	112	0.00
46 T	Dibromomethane	50.000	49.874	0.3	107	0.00
47 T	Bromodichloromethane	50.000	51.464	-2.9	110	0.00
48 T	Methyl methacrylate	50.000	52.201	-4.4	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	925.169	7.5	95	0.00
50 S	Toluene-d8	50.000	48.506	3.0	111	0.00
51 T	4-Methyl-2-Pentanone	250.000	244.646	2.1	104	0.00
52 CM	Toluene	50.000	52.969	-5.9#	112	0.00
53 T	t-1,3-Dichloropropene	50.000	51.505	-3.0	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.692	-3.4	110	0.00
55 T	1,1,2-Trichloroethane	50.000	50.235	-0.5	107	0.00
56 T	Ethyl methacrylate	50.000	51.494	-3.0	105	0.00
57 T	1,3-Dichloropropane	50.000	49.749	0.5	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	236.595	5.4	107	0.00
59 T	2-Hexanone	250.000	247.056	1.2	103	0.00
60 T	Dibromochloromethane	50.000	50.287	-0.6	108	0.00
61 T	1,2-Dibromoethane	50.000	48.934	2.1	103	0.00
62 S	4-Bromofluorobenzene	50.000	46.674	6.7	107	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	52.345	-4.7	109	0.00
65 PM	Chlorobenzene	50.000	52.932	-5.9	111	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.701	-5.4	110	0.00
67 C	Ethyl Benzene	50.000	54.126	-8.3#	112	0.00
68 T	m/p-Xylenes	100.000	107.703	-7.7	112	0.00
69 T	o-Xylene	50.000	53.376	-6.8	110	0.00
70 T	Styrene	50.000	53.155	-6.3	109	0.00
71 P	Bromoform	50.000	51.929	-3.9	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	53.712	-7.4	111	0.00
74 T	N-amyl acetate	50.000	52.325	-4.7	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.077	-0.2	103	0.00
76 T	1,2,3-Trichloropropane	50.000	49.434	1.1	107	0.00
77 T	Bromobenzene	50.000	52.143	-4.3	107	0.00
78 T	n-propylbenzene	50.000	54.394	-8.8	111	0.00
79 T	2-Chlorotoluene	50.000	53.113	-6.2	109	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.670	-7.3	110	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.613	-5.2	107	0.00
82 T	4-Chlorotoluene	50.000	53.095	-6.2	110	0.00
83 T	tert-Butylbenzene	50.000	53.397	-6.8	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.170	-6.3	109	0.00
85 T	sec-Butylbenzene	50.000	53.720	-7.4	109	0.00
86 T	p-Isopropyltoluene	50.000	53.357	-6.7	109	0.00
87 T	1,3-Dichlorobenzene	50.000	51.809	-3.6	108	0.00
88 T	1,4-Dichlorobenzene	50.000	51.207	-2.4	106	0.00
89 T	n-Butylbenzene	50.000	54.470	-8.9	108	0.00
90 T	Hexachloroethane	50.000	54.612	-9.2	112	0.00
91 T	1,2-Dichlorobenzene	50.000	51.366	-2.7	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.008	2.0	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.099	-6.2	103	0.00
94 T	Hexachlorobutadiene	50.000	52.615	-5.2	103	0.00
95 T	Naphthalene	50.000	52.925	-5.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100924

Quant Time: Oct 10 05:34:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.368	-4.7	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: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/11/2024 10:11

Lab File ID: VY019862.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.458		-1.5	20
Chloromethane	0.606	0.624	0.1	2.97	20
Vinyl Chloride	0.667	0.692		3.75	20
Bromomethane	0.422	0.422		0	20
Chloroethane	0.448	0.447		-0.22	20
Trichlorofluoromethane	0.992	0.984		-0.81	20
1,1,2-Trichlorotrifluoroethane	0.577	0.573		-0.69	20
1,1-Dichloroethene	0.536	0.536		0	20
Acetone	0.160	0.178		11.25	20
Carbon Disulfide	1.438	1.506		4.73	20
Methyl tert-butyl Ether	1.541	1.439		-6.62	20
Methyl Acetate	0.345	0.323		-6.38	20
Methylene Chloride	0.647	0.579		-10.51	20
trans-1,2-Dichloroethene	0.584	0.578		-1.03	20
1,1-Dichloroethane	1.172	1.171	0.1	-0.09	20
Cyclohexane	1.029	0.991		-3.69	20
2-Butanone	0.215	0.217		0.93	20
Carbon Tetrachloride	0.510	0.526		3.14	20
cis-1,2-Dichloroethene	0.721	0.716		-0.69	20
Bromochloromethane	0.516	0.467		-9.5	20
Chloroform	1.195	1.196		0.08	20
1,1,1-Trichloroethane	1.047	1.049		0.19	20
Methylcyclohexane	0.599	0.595		-0.67	20
Benzene	1.439	1.447		0.56	20
1,2-Dichloroethane	0.413	0.406		-1.7	20
Trichloroethene	0.348	0.343		-1.44	20
1,2-Dichloropropane	0.360	0.362		0.56	20
Bromodichloromethane	0.522	0.517		-0.96	20
4-Methyl-2-Pentanone	0.258	0.244		-5.43	20
Toluene	0.898	0.918		2.23	20
t-1,3-Dichloropropene	0.470	0.458		-2.55	20
cis-1,3-Dichloropropene	0.554	0.547		-1.26	20
1,1,2-Trichloroethane	0.259	0.248		-4.25	20
2-Hexanone	0.184	0.191		3.8	20
Dibromochloromethane	0.333	0.324		-2.7	20
1,2-Dibromoethane	0.234	0.220		-5.98	20
Tetrachloroethene	0.356	0.339		-4.78	20
Chlorobenzene	1.144	1.138	0.3	-0.52	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: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/11/2024 10:11

Lab File ID: VY019862.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.106		1.4	20
m/p-Xylenes	0.767	0.769		0.26	20
o-Xylene	0.737	0.742		0.68	20
Styrene	1.244	1.260		1.29	20
Bromoform	0.207	0.193	0.1	-6.76	20
Isopropylbenzene	4.206	4.265		1.4	20
1,1,2,2-Tetrachloroethane	0.747	0.734	0.3	-1.74	20
1,3-Dichlorobenzene	1.802	1.770		-1.78	20
1,4-Dichlorobenzene	1.771	1.725		-2.6	20
1,2-Dichlorobenzene	1.584	1.557		-1.71	20
1,2-Dibromo-3-Chloropropane	0.119	0.109		-8.4	20
1,2,4-Trichlorobenzene	0.888	0.864		-2.7	20
1,2,3-Trichlorobenzene	0.751	0.705		-6.13	20
1,2-Dichloroethane-d4	0.616	0.572		-7.14	20
Dibromofluoromethane	0.330	0.321		-2.73	20
Toluene-d8	1.218	1.205		-1.07	20
4-Bromofluorobenzene	0.440	0.420		-4.55	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\VY101124\
 Data File : VY019862.D
 Acq On : 11 Oct 2024 10:11
 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

Quant Time: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	363226	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	627324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	533709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247612	50.000	ug/l	0.00

10/14/2024
 Supervised By :Semsettin
 Esilyurt

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	207939	46.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.980%
35) Dibromofluoromethane	7.640	113	201193	48.601	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.200%
50) Toluene-d8	10.109	98	756167	49.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.408	95	263311	47.669	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.340%

10/14/2024

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	166452	49.227	ug/l	95
3) Chloromethane	2.074	50	226713	51.515	ug/l	100
4) Vinyl Chloride	2.208	62	251401	51.911	ug/l	96
5) Bromomethane	2.604	94	153297	50.010	ug/l	99
6) Chloroethane	2.745	64	162241	49.868	ug/l	98
7) Trichlorofluoromethane	3.068	101	357524	49.614	ug/l	95
8) Diethyl Ether	3.458	74	104367	47.654	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.824	101	208245	49.682	ug/l	92
10) Methyl Iodide	4.013	142	210373	49.625	ug/l	# 90
11) Tert butyl alcohol	4.872	59	71475	170.589	ug/l	# 80
12) 1,1-Dichloroethene	3.799	96	194693	49.964	ug/l	# 81
13) Acrolein	3.659	56	75229	228.917	ug/l	98
14) Allyl chloride	4.391	41	356016	50.637	ug/l	# 91
15) Acrylonitrile	5.074	53	234105	233.699	ug/l	98
16) Acetone	3.873	43	322844	277.302	ug/l	# 81
17) Carbon Disulfide	4.116	76	547066	52.378	ug/l	98
18) Methyl Acetate	4.397	43	117413	46.816	ug/l	89
19) Methyl tert-butyl Ether	5.128	73	522809	46.701	ug/l	100
20) Methylene Chloride	4.622	84	210252	48.857	ug/l	# 81
21) trans-1,2-Dichloroethene	5.122	96	209901	49.493	ug/l	# 85
22) Diisopropyl ether	6.025	45	761632	49.733	ug/l	# 92
23) Vinyl Acetate	5.970	43	1939506m	220.914	ug/l	
24) 1,1-Dichloroethane	5.927	63	425419	49.973	ug/l	97
25) 2-Butanone	6.902	43	394050	252.862	ug/l	# 83
26) 2,2-Dichloropropane	6.890	77	371046	48.942	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	260056	49.619	ug/l	84
28) Bromochloromethane	7.250	49	169799	45.317	ug/l	# 74
29) Tetrahydrofuran	7.268	42	203158	228.321	ug/l	# 82
30) Chloroform	7.427	83	434258	50.042	ug/l	97
31) Cyclohexane	7.707	56	360123	48.191	ug/l	88
32) 1,1,1-Trichloroethane	7.622	97	381167	50.120	ug/l	95
36) 1,1-Dichloropropene	7.841	75	302486	50.719	ug/l	96
37) Ethyl Acetate	6.988	43	147692	47.492	ug/l	# 94
38) Carbon Tetrachloride	7.823	117	329661	51.562	ug/l	99
39) Methylcyclohexane	9.116	83	373154	49.658	ug/l	90
40) Benzene	8.085	78	907947	50.304	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019862.D
 Acq On : 11 Oct 2024 10:11
 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

Quant Time: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.226	41	84484	50.195	ug/l	#	84
42) 1,2-Dichloroethane	8.164	62	254807	49.140	ug/l		93
43) Isopropyl Acetate	8.201	43	295515	46.595	ug/l	#	76
44) Trichloroethene	8.872	130	215378	49.268	ug/l		90
45) 1,2-Dichloropropane	9.146	63	227220	50.296	ug/l		99
46) Dibromomethane	9.237	93	116697	47.280	ug/l		92
47) Bromodichloromethane	9.426	83	324570	49.542	ug/l		98
48) Methyl methacrylate	9.225	41	135749	48.660	ug/l	#	82
49) 1,4-Dioxane	9.237	88	25478	922.273	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	764920	236.458	ug/l		89
52) Toluene	10.176	92	575788	51.106	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	287383	48.752	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	343427	49.375	ug/l	#	87
55) 1,1,2-Trichloroethane	10.573	97	155401	47.787	ug/l		96
56) Ethyl methacrylate	10.445	69	226413	48.522	ug/l	#	74
57) 1,3-Dichloropropane	10.719	76	275933	48.318	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	559360	257.502	ug/l		92
59) 2-Hexanone	10.762	43	599117	259.305	ug/l		87
60) Dibromochloromethane	10.914	129	202986	48.632	ug/l		100
61) 1,2-Dibromoethane	11.018	107	138252	47.047	ug/l		99
64) Tetrachloroethene	10.652	164	180818	47.631	ug/l		95
65) Chlorobenzene	11.444	112	607189	49.740	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	206201	49.926	ug/l		97
67) Ethyl Benzene	11.518	91	1124104	50.693	ug/l		98
68) m/p-Xylenes	11.633	106	820819	100.226	ug/l		91
69) o-Xylene	11.956	106	395778	50.298	ug/l		94
70) Styrene	11.969	104	672487	50.656	ug/l		96
71) Bromoform	12.133	173	103256	46.701	ug/l	#	100
73) Isopropylbenzene	12.255	105	1056108	50.708	ug/l		98
74) N-amyl acetate	12.072	43	271540	49.225	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	181670	49.090	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	138867m	28.628	ug/l		
77) Bromobenzene	12.536	156	217497	49.211	ug/l		85
78) n-propylbenzene	12.597	91	1284198	51.029	ug/l		97
79) 2-Chlorotoluene	12.682	91	728331	50.481	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	849666	50.515	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	58326	48.534	ug/l	#	84
82) 4-Chlorotoluene	12.779	91	748654	50.749	ug/l		95
83) tert-Butylbenzene	12.999	119	763372	50.661	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	842351	50.512	ug/l		96
85) sec-Butylbenzene	13.176	105	1130191	50.202	ug/l		98
86) p-Isopropyltoluene	13.292	119	923401	50.511	ug/l		96
87) 1,3-Dichlorobenzene	13.292	146	438205	49.097	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	427077	48.707	ug/l		96
89) n-Butylbenzene	13.621	91	907656	50.847	ug/l		99
90) Hexachloroethane	13.883	117	180804	50.792	ug/l		88
91) 1,2-Dichlorobenzene	13.657	146	385592	49.168	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27011	45.733	ug/l		77
93) 1,2,4-Trichlorobenzene	14.919	180	213952	48.654	ug/l		97
94) Hexachlorobutadiene	15.023	225	120240	49.181	ug/l		98
95) Naphthalene	15.145	128	401833	48.449	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	174548	46.956	ug/l		98

10/14/2024
 Supervised By :Semsettin
 Yesilyurt

10/14/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019862.D
Acq On : 11 Oct 2024 10:11
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

Quant Time: Oct 14 01:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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

10/14/2024
Supervised By :Semsettin
Yesilyurt

10/14/2024

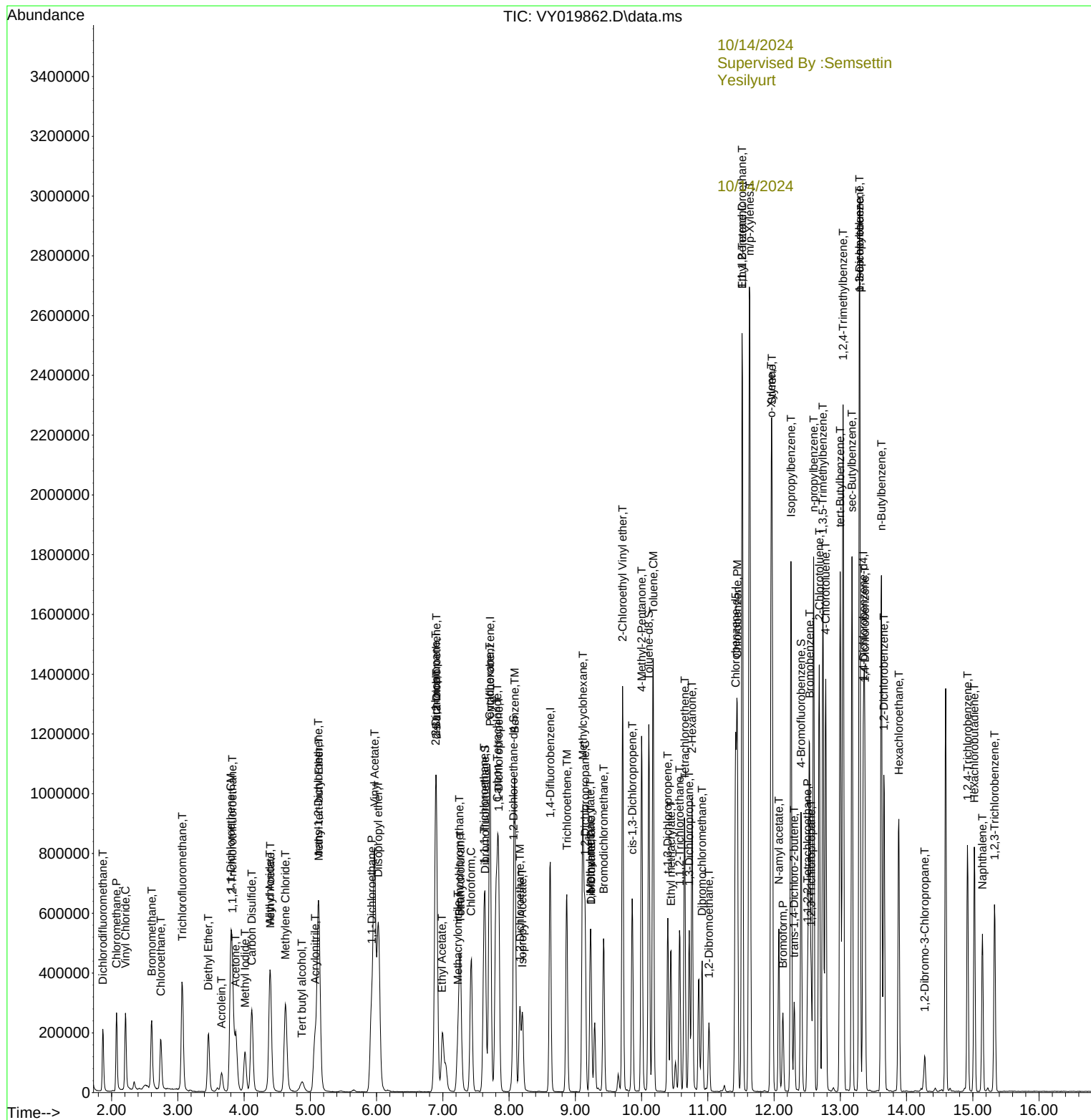
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019862.D
Acq On : 11 Oct 2024 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

Quant Time: Oct 14 01:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019862.D
 Acq On : 11 Oct 2024 10:11
 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: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	96	0.00
2 T	Dichlorodifluoromethane	0.465	0.458	1.5	96	0.00
3 P	Chloromethane	0.606	0.624	-3.0	98	0.00
4 C	Vinyl Chloride	0.667	0.692	-3.7#	97	0.00
5 T	Bromomethane	0.422	0.422	0.0	94	0.00
6 T	Chloroethane	0.448	0.447	0.2	94	0.00
7 T	Trichlorofluoromethane	0.992	0.984	0.8	95	0.00
8 T	Diethyl Ether	0.301	0.287	4.7	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.577	0.573	0.7	95	0.01
10 T	Methyl Iodide	0.584	0.579	0.9	88	0.00
11 T	Tert butyl alcohol	0.058	0.039	32.8#	75	0.01
12 CM	1,1-Dichloroethene	0.536	0.536	0.0	94	0.01
13 T	Acrolein	0.045	0.041	8.9	100	0.00
14 T	Allyl chloride	0.968	0.980	-1.2	93	0.00
15 T	Acrylonitrile	0.138	0.129	6.5	87	0.02
16 T	Acetone	0.160	0.178	-11.2	101	0.00
17 T	Carbon Disulfide	1.438	1.506	-4.7	94	0.01
18 T	Methyl Acetate	0.345	0.323	6.4	89	0.01
19 T	Methyl tert-butyl Ether	1.541	1.439	6.6	88	0.01
20 T	Methylene Chloride	0.647	0.579	10.5	90	0.00
21 T	trans-1,2-Dichloroethene	0.584	0.578	1.0	92	0.01
22 T	Diisopropyl ether	2.108	2.097	0.5	93	0.00
23 T	Vinyl Acetate	1.209	1.068	11.7	81	0.01
24 P	1,1-Dichloroethane	1.172	1.171	0.1	94	0.01
25 T	2-Butanone	0.215	0.217	-0.9	94	0.01
26 T	2,2-Dichloropropane	1.044	1.022	2.1	94	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.716	0.7	93	0.01
28 T	Bromochloromethane	0.516	0.467	9.5	85	0.00
29 T	Tetrahydrofuran	0.122	0.112	8.2	85	0.00
30 C	Chloroform	1.195	1.196	-0.1#	94	0.00
31 T	Cyclohexane	1.029	0.991	3.7	95	0.00
32 T	1,1,1-Trichloroethane	1.047	1.049	-0.2	95	0.00
33 S	1,2-Dichloroethane-d4	0.616	0.572	7.1	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35 S	Dibromofluoromethane	0.330	0.321	2.7	96	0.00
36 T	1,1-Dichloropropene	0.475	0.482	-1.5	94	0.00
37 T	Ethyl Acetate	0.248	0.235	5.2	88	0.00
38 T	Carbon Tetrachloride	0.510	0.526	-3.1	96	0.00
39 T	Methylcyclohexane	0.599	0.595	0.7	91	0.00
40 TM	Benzene	1.439	1.447	-0.6	94	0.00
41 T	Methacrylonitrile	0.134	0.135	-0.7	83	0.00
42 TM	1,2-Dichloroethane	0.413	0.406	1.7	91	0.00
43 T	Isopropyl Acetate	0.505	0.471	6.7	86	0.00
44 TM	Trichloroethene	0.348	0.343	1.4	90	0.00
45 C	1,2-Dichloropropane	0.360	0.362	-0.6#	95	0.00
46 T	Dibromomethane	0.197	0.186	5.6	88	0.00
47 T	Bromodichloromethane	0.522	0.517	1.0	92	0.00
48 T	Methyl methacrylate	0.222	0.216	2.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019862.D
 Acq On : 11 Oct 2024 10:11
 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: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	82	0.00
50 S	Toluene-d8	1.218	1.205	1.1	98	0.00
51 T	4-Methyl-2-Pentanone	0.258	0.244	5.4	87	0.00
52 CM	Toluene	0.898	0.918	-2.2#	94	0.00
53 T	t-1,3-Dichloropropene	0.470	0.458	2.6	89	0.00
54 T	cis-1,3-Dichloropropene	0.554	0.547	1.3	91	0.00
55 T	1,1,2-Trichloroethane	0.259	0.248	4.2	89	0.00
56 T	Ethyl methacrylate	0.372	0.361	3.0	86	0.00
57 T	1,3-Dichloropropane	0.455	0.440	3.3	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.173	0.178	-2.9	100	0.00
59 T	2-Hexanone	0.184	0.191	-3.8	93	0.00
60 T	Dibromochloromethane	0.333	0.324	2.7	91	0.00
61 T	1,2-Dibromoethane	0.234	0.220	6.0	86	0.00
62 S	4-Bromofluorobenzene	0.440	0.420	4.5	95	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64 T	Tetrachloroethene	0.356	0.339	4.8	87	0.00
65 PM	Chlorobenzene	1.144	1.138	0.5	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.387	0.386	0.3	92	0.00
67 C	Ethyl Benzene	2.077	2.106	-1.4#	92	0.00
68 T	m/p-Xylenes	0.767	0.769	-0.3	92	0.00
69 T	o-Xylene	0.737	0.742	-0.7	92	0.00
70 T	Styrene	1.244	1.260	-1.3	92	0.00
71 P	Bromoform	0.207	0.193	6.8	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	4.206	4.265	-1.4	91	0.00
74 T	N-amyl acetate	1.114	1.097	1.5	85	0.00
75 P	1,1,2,2-Tetrachloroethane	0.747	0.734	1.7	88	0.00
76 T	1,2,3-Trichloropropane	0.979	0.561	42.7#	52	0.00
77 T	Bromobenzene	0.892	0.878	1.6	88	0.00
78 T	n-propylbenzene	5.082	5.186	-2.0	91	0.00
79 T	2-Chlorotoluene	2.913	2.941	-1.0	90	0.00
80 T	1,3,5-Trimethylbenzene	3.396	3.431	-1.0	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.243	0.236	2.9	85	0.00
82 T	4-Chlorotoluene	2.979	3.023	-1.5	91	0.00
83 T	tert-Butylbenzene	3.043	3.083	-1.3	91	0.00
84 T	1,2,4-Trimethylbenzene	3.367	3.402	-1.0	89	0.00
85 T	sec-Butylbenzene	4.546	4.564	-0.4	88	0.00
86 T	p-Isopropyltoluene	3.691	3.729	-1.0	89	0.00
87 T	1,3-Dichlorobenzene	1.802	1.770	1.8	89	0.00
88 T	1,4-Dichlorobenzene	1.771	1.725	2.6	87	0.00
89 T	n-Butylbenzene	3.605	3.666	-1.7	87	0.00
90 T	Hexachloroethane	0.719	0.730	-1.5	90	0.00
91 T	1,2-Dichlorobenzene	1.584	1.557	1.7	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.119	0.109	8.4	82	0.00
93 T	1,2,4-Trichlorobenzene	0.888	0.864	2.7	82	0.00
94 T	Hexachlorobutadiene	0.494	0.486	1.6	84	0.00
95 T	Naphthalene	1.675	1.623	3.1	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019862.D
Acq On : 11 Oct 2024 10:11
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: Oct 14 01:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	0.751	0.705	6.1	78	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019862.D
 Acq On : 11 Oct 2024 10:11
 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: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	96	0.00
2 T	Dichlorodifluoromethane	50.000	49.227	1.5	96	0.00
3 P	Chloromethane	50.000	51.515	-3.0	98	0.00
4 C	Vinyl Chloride	50.000	51.911	-3.8#	97	0.00
5 T	Bromomethane	50.000	50.010	-0.0	94	0.00
6 T	Chloroethane	50.000	49.868	0.3	94	0.00
7 T	Trichlorofluoromethane	50.000	49.614	0.8	95	0.00
8 T	Diethyl Ether	50.000	47.654	4.7	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.682	0.6	95	0.01
10 T	Methyl Iodide	50.000	49.625	0.8	88	0.00
11 T	Tert butyl alcohol	250.000	170.589	31.8#	75	0.01
12 CM	1,1-Dichloroethene	50.000	49.964	0.1#	94	0.01
13 T	Acrolein	250.000	228.917	8.4	100	0.00
14 T	Allyl chloride	50.000	50.637	-1.3	93	0.00
15 T	Acrylonitrile	250.000	233.699	6.5	87	0.02
16 T	Acetone	250.000	277.302	-10.9	101	0.00
17 T	Carbon Disulfide	50.000	52.378	-4.8	94	0.01
18 T	Methyl Acetate	50.000	46.816	6.4	89	0.01
19 T	Methyl tert-butyl Ether	50.000	46.701	6.6	88	0.01
20 T	Methylene Chloride	50.000	48.857	2.3	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.493	1.0	92	0.01
22 T	Diisopropyl ether	50.000	49.733	0.5	93	0.00
23 T	Vinyl Acetate	250.000	220.914	11.6	81	0.01
24 P	1,1-Dichloroethane	50.000	49.973	0.1	94	0.01
25 T	2-Butanone	250.000	252.862	-1.1	94	0.01
26 T	2,2-Dichloropropane	50.000	48.942	2.1	94	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.619	0.8	93	0.01
28 T	Bromochloromethane	50.000	45.317	9.4	85	0.00
29 T	Tetrahydrofuran	250.000	228.321	8.7	85	0.00
30 C	Chloroform	50.000	50.042	-0.1#	94	0.00
31 T	Cyclohexane	50.000	48.191	3.6	95	0.00
32 T	1,1,1-Trichloroethane	50.000	50.120	-0.2	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.494	7.0	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35 S	Dibromofluoromethane	50.000	48.601	2.8	96	0.00
36 T	1,1-Dichloropropene	50.000	50.719	-1.4	94	0.00
37 T	Ethyl Acetate	50.000	47.492	5.0	88	0.00
38 T	Carbon Tetrachloride	50.000	51.562	-3.1	96	0.00
39 T	Methylcyclohexane	50.000	49.658	0.7	91	0.00
40 TM	Benzene	50.000	50.304	-0.6	94	0.00
41 T	Methacrylonitrile	50.000	50.195	-0.4	83	0.00
42 TM	1,2-Dichloroethane	50.000	49.140	1.7	91	0.00
43 T	Isopropyl Acetate	50.000	46.595	6.8	86	0.00
44 TM	Trichloroethene	50.000	49.268	1.5	90	0.00
45 C	1,2-Dichloropropane	50.000	50.296	-0.6#	95	0.00
46 T	Dibromomethane	50.000	47.280	5.4	88	0.00
47 T	Bromodichloromethane	50.000	49.542	0.9	92	0.00
48 T	Methyl methacrylate	50.000	48.660	2.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019862.D
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 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: Oct 14 01:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	922.273	7.8	82	0.00
50 S	Toluene-d8	50.000	49.464	1.1	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	236.458	5.4	87	0.00
52 CM	Toluene	50.000	51.106	-2.2#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	48.752	2.5	89	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.375	1.3	91	0.00
55 T	1,1,2-Trichloroethane	50.000	47.787	4.4	89	0.00
56 T	Ethyl methacrylate	50.000	48.522	3.0	86	0.00
57 T	1,3-Dichloropropane	50.000	48.318	3.4	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	257.502	-3.0	100	0.00
59 T	2-Hexanone	250.000	259.305	-3.7	93	0.00
60 T	Dibromochloromethane	50.000	48.632	2.7	91	0.00
61 T	1,2-Dibromoethane	50.000	47.047	5.9	86	0.00
62 S	4-Bromofluorobenzene	50.000	47.669	4.7	95	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64 T	Tetrachloroethene	50.000	47.631	4.7	87	0.00
65 PM	Chlorobenzene	50.000	49.740	0.5	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.926	0.1	92	0.00
67 C	Ethyl Benzene	50.000	50.693	-1.4#	92	0.00
68 T	m/p-Xylenes	100.000	100.226	-0.2	92	0.00
69 T	o-Xylene	50.000	50.298	-0.6	92	0.00
70 T	Styrene	50.000	50.656	-1.3	92	0.00
71 P	Bromoform	50.000	46.701	6.6	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	50.708	-1.4	91	0.00
74 T	N-amyl acetate	50.000	49.225	1.5	85	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.090	1.8	88	0.00
76 T	1,2,3-Trichloropropane	50.000	28.628	42.7#	52	0.00
77 T	Bromobenzene	50.000	49.211	1.6	88	0.00
78 T	n-propylbenzene	50.000	51.029	-2.1	91	0.00
79 T	2-Chlorotoluene	50.000	50.481	-1.0	90	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.515	-1.0	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.534	2.9	85	0.00
82 T	4-Chlorotoluene	50.000	50.749	-1.5	91	0.00
83 T	tert-Butylbenzene	50.000	50.661	-1.3	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.512	-1.0	89	0.00
85 T	sec-Butylbenzene	50.000	50.202	-0.4	88	0.00
86 T	p-Isopropyltoluene	50.000	50.511	-1.0	89	0.00
87 T	1,3-Dichlorobenzene	50.000	49.097	1.8	89	0.00
88 T	1,4-Dichlorobenzene	50.000	48.707	2.6	87	0.00
89 T	n-Butylbenzene	50.000	50.847	-1.7	87	0.00
90 T	Hexachloroethane	50.000	50.792	-1.6	90	0.00
91 T	1,2-Dichlorobenzene	50.000	49.168	1.7	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.733	8.5	82	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.654	2.7	82	0.00
94 T	Hexachlorobutadiene	50.000	49.181	1.6	84	0.00
95 T	Naphthalene	50.000	48.449	3.1	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019862.D
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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: Oct 14 01:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	46.956	6.1	78	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: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/14/2024 09:52

Lab File ID: VY019882.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.410		-11.83	20
Chloromethane	0.606	0.563	0.1	-7.1	20
Vinyl Chloride	0.667	0.625		-6.3	20
Bromomethane	0.422	0.395		-6.4	20
Chloroethane	0.448	0.429		-4.24	20
Trichlorofluoromethane	0.992	0.941		-5.14	20
1,1,2-Trichlorotrifluoroethane	0.577	0.556		-3.64	20
1,1-Dichloroethene	0.536	0.492		-8.21	20
Acetone	0.160	0.179		11.88	20
Carbon Disulfide	1.438	1.214		-15.58	20
Methyl tert-butyl Ether	1.541	1.550		0.58	20
Methyl Acetate	0.345	0.359		4.06	20
Methylene Chloride	0.647	0.591		-8.65	20
trans-1,2-Dichloroethene	0.584	0.559		-4.28	20
1,1-Dichloroethane	1.172	1.193	0.1	1.79	20
Cyclohexane	1.029	0.912		-11.37	20
2-Butanone	0.215	0.229		6.51	20
Carbon Tetrachloride	0.510	0.501		-1.76	20
cis-1,2-Dichloroethene	0.721	0.713		-1.11	20
Bromochloromethane	0.516	0.554		7.36	20
Chloroform	1.195	1.236		3.43	20
1,1,1-Trichloroethane	1.047	1.041		-0.57	20
Methylcyclohexane	0.599	0.552		-7.85	20
Benzene	1.439	1.444		0.35	20
1,2-Dichloroethane	0.413	0.422		2.18	20
Trichloroethene	0.348	0.341		-2.01	20
1,2-Dichloropropane	0.360	0.376		4.44	20
Bromodichloromethane	0.522	0.553		5.94	20
4-Methyl-2-Pentanone	0.258	0.275		6.59	20
Toluene	0.898	0.919		2.34	20
t-1,3-Dichloropropene	0.470	0.484		2.98	20
cis-1,3-Dichloropropene	0.554	0.565		1.99	20
1,1,2-Trichloroethane	0.259	0.269		3.86	20
2-Hexanone	0.184	0.198		7.61	20
Dibromochloromethane	0.333	0.350		5.11	20
1,2-Dibromoethane	0.234	0.240		2.56	20
Tetrachloroethene	0.356	0.326		-8.43	20
Chlorobenzene	1.144	1.139	0.3	-0.44	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: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/14/2024 09:52

Lab File ID: VY019882.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.048		-1.4	20
m/p-Xylenes	0.767	0.758		-1.17	20
o-Xylene	0.737	0.737		0	20
Styrene	1.244	1.264		1.61	20
Bromoform	0.207	0.205	0.1	-0.97	20
Isopropylbenzene	4.206	4.068		-3.28	20
1,1,2,2-Tetrachloroethane	0.747	0.756	0.3	1.21	20
1,3-Dichlorobenzene	1.802	1.733		-3.83	20
1,4-Dichlorobenzene	1.771	1.732		-2.2	20
1,2-Dichlorobenzene	1.584	1.540		-2.78	20
1,2-Dibromo-3-Chloropropane	0.119	0.112		-5.88	20
1,2,4-Trichlorobenzene	0.888	0.822		-7.43	20
1,2,3-Trichlorobenzene	0.751	0.689		-8.26	20
1,2-Dichloroethane-d4	0.616	0.619		0.49	20
Dibromofluoromethane	0.330	0.343		3.94	20
Toluene-d8	1.218	1.238		1.64	20
4-Bromofluorobenzene	0.440	0.447		1.59	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\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 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 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	286716	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	498763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	439404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	212252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177343	50.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.460%			
35) Dibromofluoromethane	7.634	113	171150	52.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.109	98	617294	50.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.408	95	222721	50.714	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	117586	44.055	ug/l	99
3) Chloromethane	2.074	50	161404	46.462	ug/l	98
4) Vinyl Chloride	2.208	62	179097	46.850	ug/l	97
5) Bromomethane	2.598	94	113115	46.748	ug/l	98
6) Chloroethane	2.739	64	122901	47.856	ug/l	96
7) Trichlorofluoromethane	3.062	101	269795	47.430	ug/l	95
8) Diethyl Ether	3.458	74	83357	48.217	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.818	101	159552	48.223	ug/l	92
10) Methyl Iodide	4.007	142	150631	45.014	ug/l #	89
11) Tert butyl alcohol	4.860	59	62312	188.406	ug/l #	78
12) 1,1-Dichloroethene	3.793	96	141057	45.859	ug/l #	81
13) Acrolein	3.653	56	45312	174.675	ug/l	98
14) Allyl chloride	4.385	41	274895	49.532	ug/l #	90
15) Acrylonitrile	5.061	53	207731	262.708	ug/l	98
16) Acetone	3.867	43	256459	279.063	ug/l #	83
17) Carbon Disulfide	4.110	76	348101	42.222	ug/l	97
18) Methyl Acetate	4.385	43	103071	52.064	ug/l #	88
19) Methyl tert-butyl Ether	5.116	73	444483	50.299	ug/l	97
20) Methylene Chloride	4.616	84	169525	49.923	ug/l #	83
21) trans-1,2-Dichloroethene	5.116	96	160342	47.896	ug/l #	84
22) Diisopropyl ether	6.025	45	641657	53.080	ug/l #	95
23) Vinyl Acetate	5.964	43	1807560	260.826	ug/l #	90
24) 1,1-Dichloroethane	5.921	63	342114	50.912	ug/l	97
25) 2-Butanone	6.896	43	328525	267.070	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	287057	47.967	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	204415	49.410	ug/l	83
28) Bromochloromethane	7.250	49	158800	53.691	ug/l #	75
29) Tetrahydrofuran	7.262	42	182138	259.321	ug/l #	83
30) Chloroform	7.421	83	354342	51.729	ug/l	97
31) Cyclohexane	7.701	56	261425	44.319	ug/l	91
32) 1,1,1-Trichloroethane	7.622	97	298487	49.722	ug/l	95
36) 1,1-Dichloropropene	7.835	75	230543	48.620	ug/l	95
37) Ethyl Acetate	6.988	43	127995	51.767	ug/l #	94
38) Carbon Tetrachloride	7.817	117	250095	49.200	ug/l	99
39) Methylcyclohexane	9.109	83	275407	46.097	ug/l #	88
40) Benzene	8.079	78	720149	50.184	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 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 10/15/2024

Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:31:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M

Quant Title : SW846 8260

QLast Update : Thu Oct 10 05:30:07 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	65789	49.163	ug/l	89
42) 1,2-Dichloroethane	8.158	62	210695	51.106	ug/l	94
43) Isopropyl Acetate	8.195	43	256037	50.777	ug/l #	78
44) Trichloroethene	8.866	130	170007	48.914	ug/l	94
45) 1,2-Dichloropropane	9.140	63	187549	52.216	ug/l	99
46) Dibromomethane	9.231	93	99766	50.839	ug/l	91
47) Bromodichloromethane	9.427	83	275950	52.977	ug/l	99
48) Methyl methacrylate	9.225	41	120995	54.550	ug/l #	81
49) 1,4-Dioxane	9.225	88	22292	1014.941	ug/l #	78
51) 4-Methyl-2-Pentanone	10.000	43	685766	266.632	ug/l	89
52) Toluene	10.170	92	458453	51.181	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	241369	51.501	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	281911	50.978	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	134101	51.867	ug/l	94
56) Ethyl methacrylate	10.439	69	194839	52.518	ug/l #	73
57) 1,3-Dichloropropane	10.719	76	233818	51.497	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	446645	258.613	ug/l	93
59) 2-Hexanone	10.762	43	493842	268.835	ug/l	86
60) Dibromochloromethane	10.908	129	174678	52.637	ug/l	99
61) 1,2-Dibromoethane	11.012	107	119572	51.178	ug/l	99
64) Tetrachloroethene	10.646	164	143275	45.842	ug/l	95
65) Chlorobenzene	11.438	112	500303	49.780	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	168713	49.617	ug/l	100
67) Ethyl Benzene	11.518	91	899911	49.292	ug/l	99
68) m/p-Xylenes	11.627	106	666434	98.840	ug/l	92
69) o-Xylene	11.957	106	323996	50.013	ug/l	93
70) Styrene	11.969	104	555579	50.831	ug/l	96
71) Bromoform	12.133	173	90151	49.525	ug/l #	98
73) Isopropylbenzene	12.255	105	863456	48.364	ug/l	98
74) N-amyl acetate	12.066	43	234129	49.514	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	160419	50.569	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	113428m	27.279	ug/l	
77) Bromobenzene	12.530	156	180188	47.561	ug/l	84
78) n-propylbenzene	12.591	91	1064190	49.331	ug/l	98
79) 2-Chlorotoluene	12.676	91	610791	49.387	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	703927	48.823	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	51977	50.457	ug/l #	86
82) 4-Chlorotoluene	12.773	91	626239	49.522	ug/l	94
83) tert-Butylbenzene	12.999	119	645418	49.969	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	702078	49.114	ug/l	96
85) sec-Butylbenzene	13.176	105	949023	49.177	ug/l	97
86) p-Isopropyltoluene	13.292	119	761998	48.626	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	367776	48.070	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	367618	48.910	ug/l	96
89) n-Butylbenzene	13.615	91	760942	49.730	ug/l	98
90) Hexachloroethane	13.877	117	151654	49.700	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	326901	48.628	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23691	46.794	ug/l	80
93) 1,2,4-Trichlorobenzene	14.919	180	174377	46.260	ug/l	98
94) Hexachlorobutadiene	15.023	225	94530	45.107	ug/l	97
95) Naphthalene	15.145	128	333140	46.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	146223	45.889	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019882.D
Acq On : 14 Oct 2024 09:52
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 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:31:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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

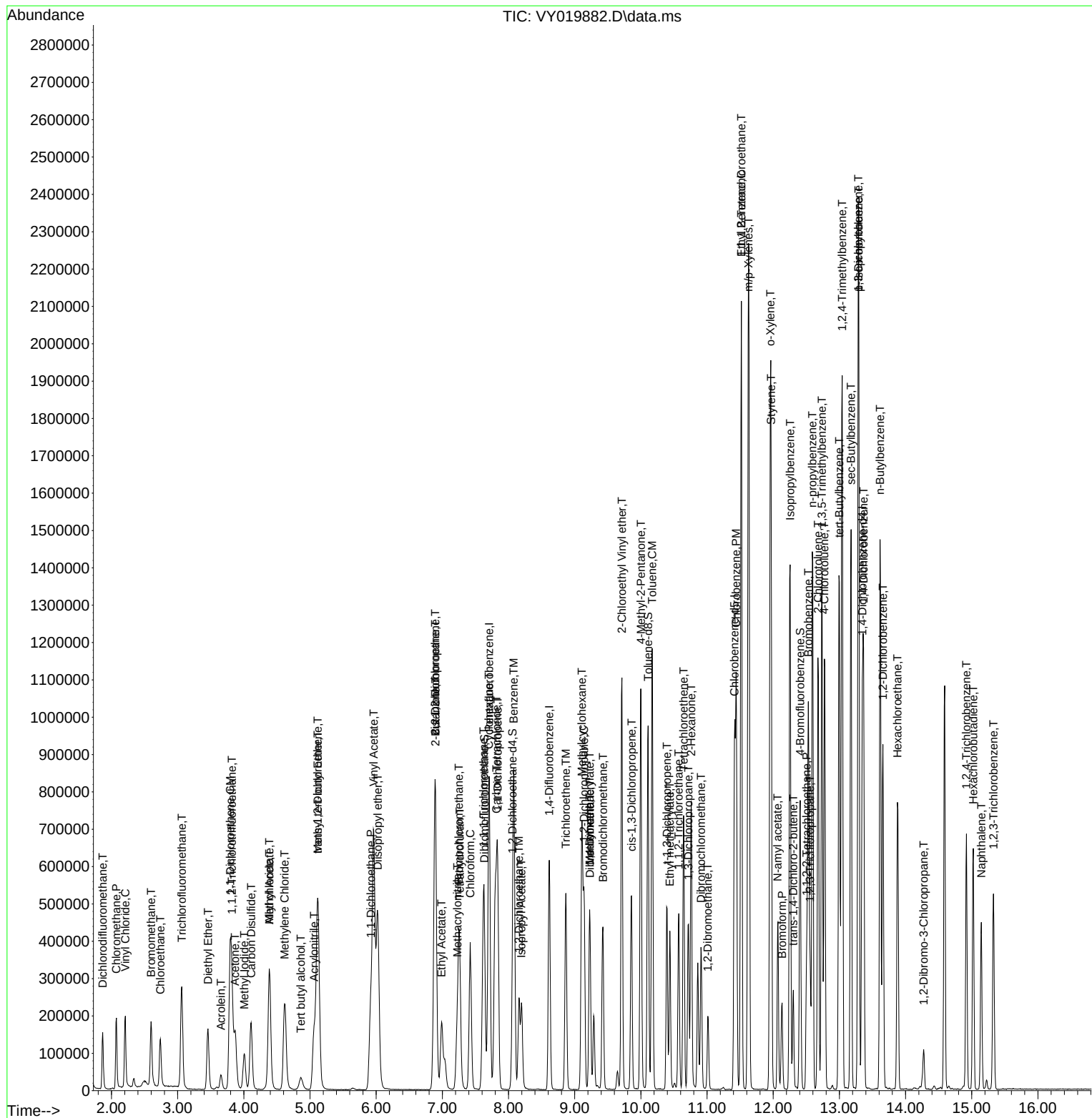
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 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: Oct 15 01:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	76	0.00
2 T	Dichlorodifluoromethane	0.465	0.410	11.8	68	0.00
3 P	Chloromethane	0.606	0.563	7.1	70	0.00
4 C	Vinyl Chloride	0.667	0.625	6.3#	69	0.00
5 T	Bromomethane	0.422	0.395	6.4	69	0.00
6 T	Chloroethane	0.448	0.429	4.2	72	0.00
7 T	Trichlorofluoromethane	0.992	0.941	5.1	72	0.00
8 T	Diethyl Ether	0.301	0.291	3.3	71	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.577	0.556	3.6	73	0.00
10 T	Methyl Iodide	0.584	0.525	10.1	63	0.00
11 T	Tert butyl alcohol	0.058	0.043	25.9#	66	0.00
12 CM	1,1-Dichloroethene	0.536	0.492	8.2#	68	0.00
13 T	Acrolein	0.045	0.032	28.9#	60	0.00
14 T	Allyl chloride	0.968	0.959	0.9	72	0.00
15 T	Acrylonitrile	0.138	0.145	-5.1	77	0.00
16 T	Acetone	0.160	0.179	-11.9	80	0.00
17 T	Carbon Disulfide	1.438	1.214	15.6	60	0.00
18 T	Methyl Acetate	0.345	0.359	-4.1	78	0.00
19 T	Methyl tert-butyl Ether	1.541	1.550	-0.6	75	0.00
20 T	Methylene Chloride	0.647	0.591	8.7	73	0.00
21 T	trans-1,2-Dichloroethene	0.584	0.559	4.3	70	0.00
22 T	Diisopropyl ether	2.108	2.238	-6.2	79	0.00
23 T	Vinyl Acetate	1.209	1.261	-4.3	75	0.00
24 P	1,1-Dichloroethane	1.172	1.193	-1.8	76	0.00
25 T	2-Butanone	0.215	0.229	-6.5	79	0.00
26 T	2,2-Dichloropropane	1.044	1.001	4.1	73	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.713	1.1	73	0.00
28 T	Bromochloromethane	0.516	0.554	-7.4	80	0.00
29 T	Tetrahydrofuran	0.122	0.127	-4.1	76	0.00
30 C	Chloroform	1.195	1.236	-3.4#	77	0.00
31 T	Cyclohexane	1.029	0.912	11.4	69	0.00
32 T	1,1,1-Trichloroethane	1.047	1.041	0.6	74	0.00
33 S	1,2-Dichloroethane-d4	0.616	0.619	-0.5	81	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35 S	Dibromofluoromethane	0.330	0.343	-3.9	82	0.00
36 T	1,1-Dichloropropene	0.475	0.462	2.7	71	0.00
37 T	Ethyl Acetate	0.248	0.257	-3.6	76	0.00
38 T	Carbon Tetrachloride	0.510	0.501	1.8	73	0.00
39 T	Methylcyclohexane	0.599	0.552	7.8	67	0.00
40 TM	Benzene	1.439	1.444	-0.3	74	0.00
41 T	Methacrylonitrile	0.134	0.132	1.5	65	0.00
42 TM	1,2-Dichloroethane	0.413	0.422	-2.2	75	0.00
43 T	Isopropyl Acetate	0.505	0.513	-1.6	75	0.00
44 TM	Trichloroethene	0.348	0.341	2.0	71	0.00
45 C	1,2-Dichloropropane	0.360	0.376	-4.4#	79	0.00
46 T	Dibromomethane	0.197	0.200	-1.5	75	0.00
47 T	Bromodichloromethane	0.522	0.553	-5.9	78	0.00
48 T	Methyl methacrylate	0.222	0.243	-9.5	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 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: Oct 15 01:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	72	0.00
50 S	Toluene-d8	1.218	1.238	-1.6	80	0.00
51 T	4-Methyl-2-Pentanone	0.258	0.275	-6.6	78	0.00
52 CM	Toluene	0.898	0.919	-2.3#	75	0.00
53 T	t-1,3-Dichloropropene	0.470	0.484	-3.0	74	0.00
54 T	cis-1,3-Dichloropropene	0.554	0.565	-2.0	75	0.00
55 T	1,1,2-Trichloroethane	0.259	0.269	-3.9	76	0.00
56 T	Ethyl methacrylate	0.372	0.391	-5.1	74	0.00
57 T	1,3-Dichloropropane	0.455	0.469	-3.1	76	0.00
58 T	2-Chloroethyl Vinyl ether	0.173	0.179	-3.5	80	0.00
59 T	2-Hexanone	0.184	0.198	-7.6	77	0.00
60 T	Dibromochloromethane	0.333	0.350	-5.1	78	0.00
61 T	1,2-Dibromoethane	0.234	0.240	-2.6	75	0.00
62 S	4-Bromofluorobenzene	0.440	0.447	-1.6	80	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64 T	Tetrachloroethene	0.356	0.326	8.4	69	0.00
65 PM	Chlorobenzene	1.144	1.139	0.4	76	0.00
66 T	1,1,1,2-Tetrachloroethane	0.387	0.384	0.8	75	0.00
67 C	Ethyl Benzene	2.077	2.048	1.4#	74	0.00
68 T	m/p-Xylenes	0.767	0.758	1.2	74	0.00
69 T	o-Xylene	0.737	0.737	0.0	75	0.00
70 T	Styrene	1.244	1.264	-1.6	76	0.00
71 P	Bromoform	0.207	0.205	1.0	73	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
73 T	Isopropylbenzene	4.206	4.068	3.3	74	0.00
74 T	N-amyl acetate	1.114	1.103	1.0	73	0.00
75 P	1,1,2,2-Tetrachloroethane	0.747	0.756	-1.2	77	0.00
76 T	1,2,3-Trichloropropane	0.979	0.534	45.5#	42#	0.00
77 T	Bromobenzene	0.892	0.849	4.8	73	0.00
78 T	n-propylbenzene	5.082	5.014	1.3	75	0.00
79 T	2-Chlorotoluene	2.913	2.878	1.2	76	0.00
80 T	1,3,5-Trimethylbenzene	3.396	3.316	2.4	75	0.00
81 T	trans-1,4-Dichloro-2-butene	0.243	0.245	-0.8	76	0.00
82 T	4-Chlorotoluene	2.979	2.950	1.0	76	0.00
83 T	tert-Butylbenzene	3.043	3.041	0.1	77	0.00
84 T	1,2,4-Trimethylbenzene	3.367	3.308	1.8	74	0.00
85 T	sec-Butylbenzene	4.546	4.471	1.6	74	0.00
86 T	p-Isopropyltoluene	3.691	3.590	2.7	74	0.00
87 T	1,3-Dichlorobenzene	1.802	1.733	3.8	74	0.00
88 T	1,4-Dichlorobenzene	1.771	1.732	2.2	75	0.00
89 T	n-Butylbenzene	3.605	3.585	0.6	73	0.00
90 T	Hexachloroethane	0.719	0.714	0.7	75	0.00
91 T	1,2-Dichlorobenzene	1.584	1.540	2.8	75	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.119	0.112	5.9	72	0.00
93 T	1,2,4-Trichlorobenzene	0.888	0.822	7.4	66	0.00
94 T	Hexachlorobutadiene	0.494	0.445	9.9	66	0.00
95 T	Naphthalene	1.675	1.570	6.3	66	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019882.D
Acq On : 14 Oct 2024 09:52
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: Oct 15 01:31:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	0.751	0.689	8.3	65	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019882.D
Acq On : 14 Oct 2024 09:52
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: Oct 15 01:31:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	76	0.00
2 T	Dichlorodifluoromethane	50.000	44.055	11.9	68	0.00
3 P	Chloromethane	50.000	46.462	7.1	70	0.00
4 C	Vinyl Chloride	50.000	46.850	6.3#	69	0.00
5 T	Bromomethane	50.000	46.748	6.5	69	0.00
6 T	Chloroethane	50.000	47.856	4.3	72	0.00
7 T	Trichlorofluoromethane	50.000	47.430	5.1	72	0.00
8 T	Diethyl Ether	50.000	48.217	3.6	71	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.223	3.6	73	0.00
10 T	Methyl Iodide	50.000	45.014	10.0	63	0.00
11 T	Tert butyl alcohol	250.000	188.406	24.6	66	0.00
12 CM	1,1-Dichloroethene	50.000	45.859	8.3#	68	0.00
13 T	Acrolein	250.000	174.675	30.1#	60	0.00
14 T	Allyl chloride	50.000	49.532	0.9	72	0.00
15 T	Acrylonitrile	250.000	262.708	-5.1	77	0.00
16 T	Acetone	250.000	279.063	-11.6	80	0.00
17 T	Carbon Disulfide	50.000	42.222	15.6	60	0.00
18 T	Methyl Acetate	50.000	52.064	-4.1	78	0.00
19 T	Methyl tert-butyl Ether	50.000	50.299	-0.6	75	0.00
20 T	Methylene Chloride	50.000	49.923	0.2	73	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.896	4.2	70	0.00
22 T	Diisopropyl ether	50.000	53.080	-6.2	79	0.00
23 T	Vinyl Acetate	250.000	260.826	-4.3	75	0.00
24 P	1,1-Dichloroethane	50.000	50.912	-1.8	76	0.00
25 T	2-Butanone	250.000	267.070	-6.8	79	0.00
26 T	2,2-Dichloropropane	50.000	47.967	4.1	73	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.410	1.2	73	0.00
28 T	Bromochloromethane	50.000	53.691	-7.4	80	0.00
29 T	Tetrahydrofuran	250.000	259.321	-3.7	76	0.00
30 C	Chloroform	50.000	51.729	-3.5#	77	0.00
31 T	Cyclohexane	50.000	44.319	11.4	69	0.00
32 T	1,1,1-Trichloroethane	50.000	49.722	0.6	74	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.234	-0.5	81	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35 S	Dibromofluoromethane	50.000	52.001	-4.0	82	0.00
36 T	1,1-Dichloropropene	50.000	48.620	2.8	71	0.00
37 T	Ethyl Acetate	50.000	51.767	-3.5	76	0.00
38 T	Carbon Tetrachloride	50.000	49.200	1.6	73	0.00
39 T	Methylcyclohexane	50.000	46.097	7.8	67	0.00
40 TM	Benzene	50.000	50.184	-0.4	74	0.00
41 T	Methacrylonitrile	50.000	49.163	1.7	65	0.00
42 TM	1,2-Dichloroethane	50.000	51.106	-2.2	75	0.00
43 T	Isopropyl Acetate	50.000	50.777	-1.6	75	0.00
44 TM	Trichloroethene	50.000	48.914	2.2	71	0.00
45 C	1,2-Dichloropropane	50.000	52.216	-4.4#	79	0.00
46 T	Dibromomethane	50.000	50.839	-1.7	75	0.00
47 T	Bromodichloromethane	50.000	52.977	-6.0	78	0.00
48 T	Methyl methacrylate	50.000	54.550	-9.1	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019882.D
 Acq On : 14 Oct 2024 09:52
 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: Oct 15 01:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 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	1014.941	-1.5	72	0.00
50 S	Toluene-d8	50.000	50.788	-1.6	80	0.00
51 T	4-Methyl-2-Pentanone	250.000	266.632	-6.7	78	0.00
52 CM	Toluene	50.000	51.181	-2.4#	75	0.00
53 T	t-1,3-Dichloropropene	50.000	51.501	-3.0	74	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.978	-2.0	75	0.00
55 T	1,1,2-Trichloroethane	50.000	51.867	-3.7	76	0.00
56 T	Ethyl methacrylate	50.000	52.518	-5.0	74	0.00
57 T	1,3-Dichloropropane	50.000	51.497	-3.0	76	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.613	-3.4	80	0.00
59 T	2-Hexanone	250.000	268.835	-7.5	77	0.00
60 T	Dibromochloromethane	50.000	52.637	-5.3	78	0.00
61 T	1,2-Dibromoethane	50.000	51.178	-2.4	75	0.00
62 S	4-Bromofluorobenzene	50.000	50.714	-1.4	80	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64 T	Tetrachloroethene	50.000	45.842	8.3	69	0.00
65 PM	Chlorobenzene	50.000	49.780	0.4	76	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.617	0.8	75	0.00
67 C	Ethyl Benzene	50.000	49.292	1.4#	74	0.00
68 T	m/p-Xylenes	100.000	98.840	1.2	74	0.00
69 T	o-Xylene	50.000	50.013	-0.0	75	0.00
70 T	Styrene	50.000	50.831	-1.7	76	0.00
71 P	Bromoform	50.000	49.525	1.0	73	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	78	0.00
73 T	Isopropylbenzene	50.000	48.364	3.3	74	0.00
74 T	N-ethyl acetate	50.000	49.514	1.0	73	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.569	-1.1	77	0.00
76 T	1,2,3-Trichloropropane	50.000	27.279	45.4#	42	0.00
77 T	Bromobenzene	50.000	47.561	4.9	73	0.00
78 T	n-propylbenzene	50.000	49.331	1.3	75	0.00
79 T	2-Chlorotoluene	50.000	49.387	1.2	76	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.823	2.4	75	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.457	-0.9	76	0.00
82 T	4-Chlorotoluene	50.000	49.522	1.0	76	0.00
83 T	tert-Butylbenzene	50.000	49.969	0.1	77	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.114	1.8	74	0.00
85 T	sec-Butylbenzene	50.000	49.177	1.6	74	0.00
86 T	p-Isopropyltoluene	50.000	48.626	2.7	74	0.00
87 T	1,3-Dichlorobenzene	50.000	48.070	3.9	74	0.00
88 T	1,4-Dichlorobenzene	50.000	48.910	2.2	75	0.00
89 T	n-Butylbenzene	50.000	49.730	0.5	73	0.00
90 T	Hexachloroethane	50.000	49.700	0.6	75	0.00
91 T	1,2-Dichlorobenzene	50.000	48.628	2.7	75	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.794	6.4	72	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.260	7.5	66	0.00
94 T	Hexachlorobutadiene	50.000	45.107	9.8	66	0.00
95 T	Naphthalene	50.000	46.859	6.3	66	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019882.D
Acq On : 14 Oct 2024 09:52
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: Oct 15 01:31:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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	45.889	8.2	65	0.00

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



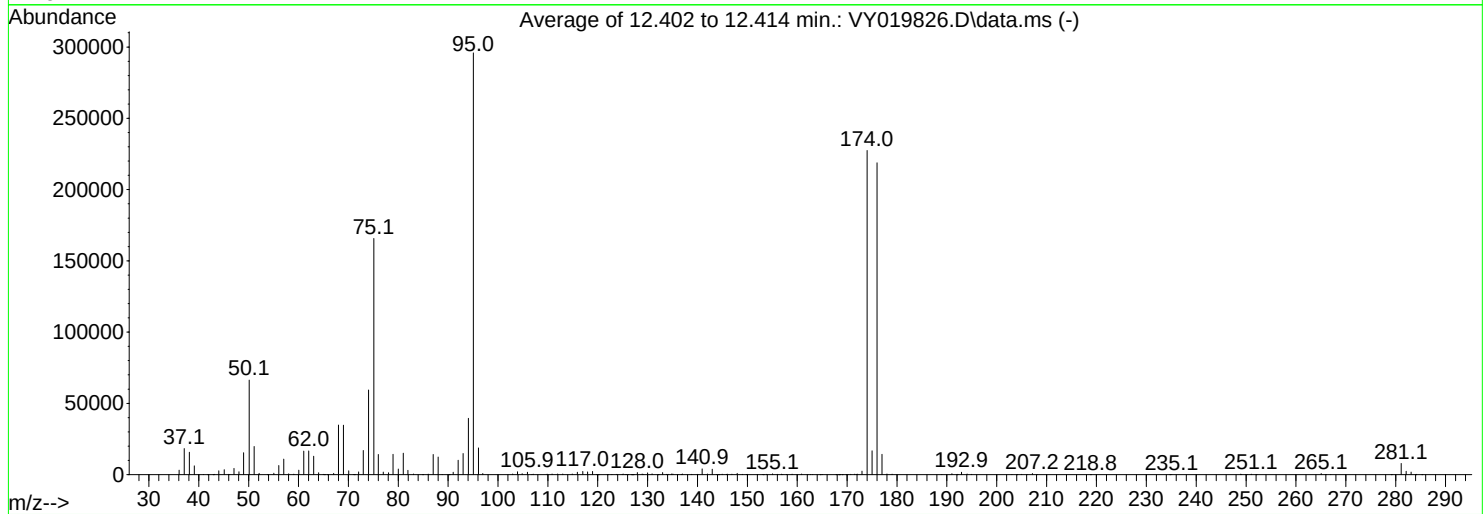
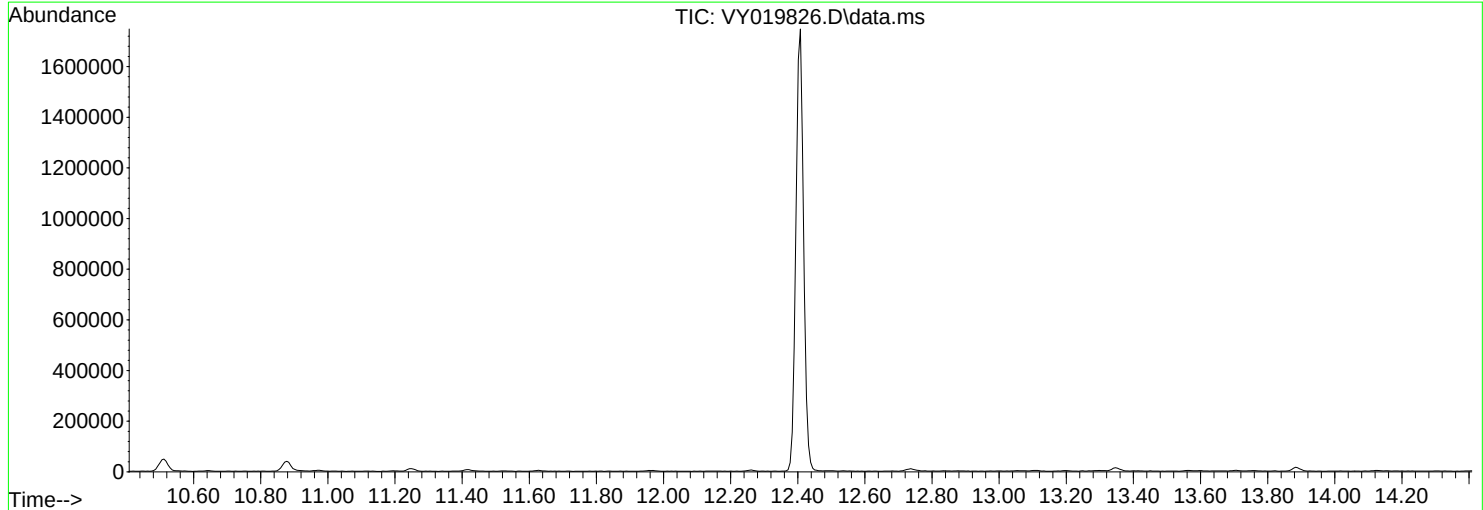
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019826.D
Acq On : 09 Oct 2024 09:33
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\82Y100924S.M
Title : SW846 8260
Last Update : Thu Oct 10 05:30:07 2024



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

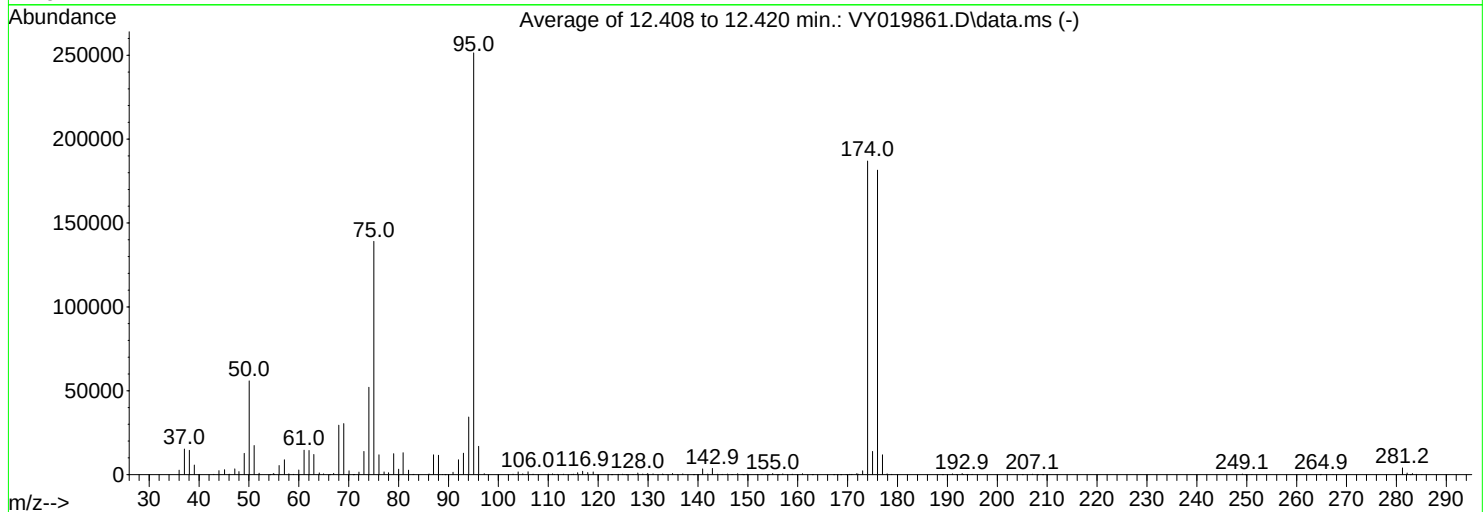
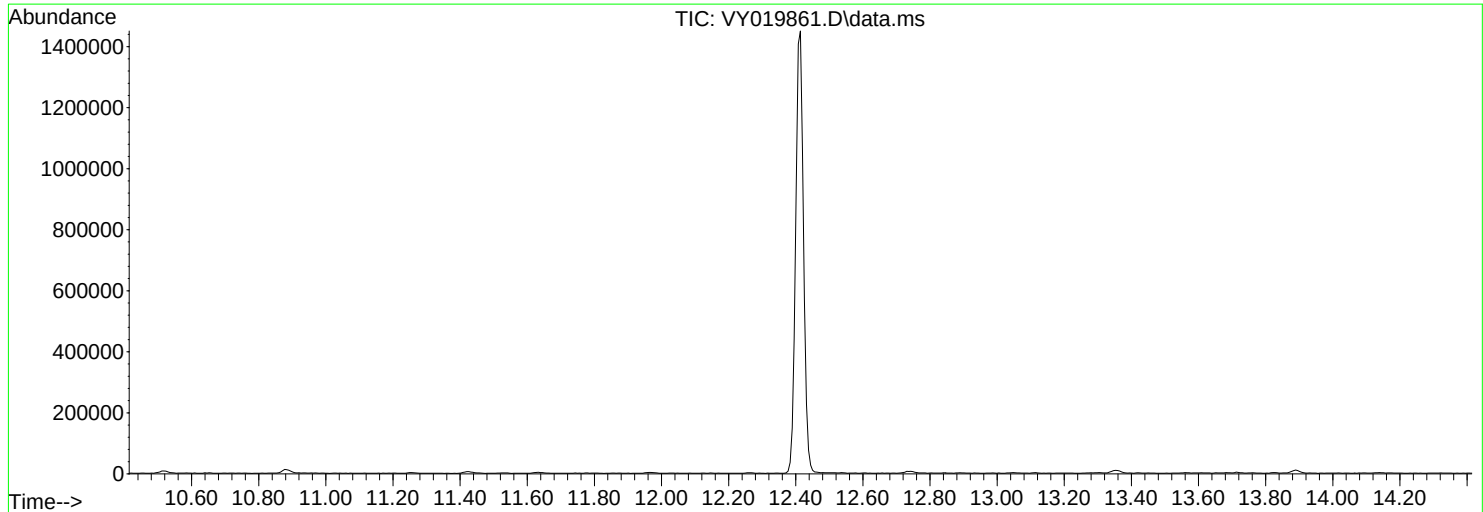
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	66352	PASS
75	95	30	60	56.0	165725	PASS
95	95	100	100	100.0	295936	PASS
96	95	5	9	6.3	18775	PASS
173	174	0.00	2	1.1	2529	PASS
174	95	50	100	76.9	227477	PASS
175	174	5	9	7.3	16688	PASS
176	174	95	101	96.2	218837	PASS
177	176	5	9	6.5	14261	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019861.D
Acq On : 11 Oct 2024 08:22
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\82Y100924S.M
Title : SW846 8260
Last Update : Thu Oct 10 05:30:07 2024



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

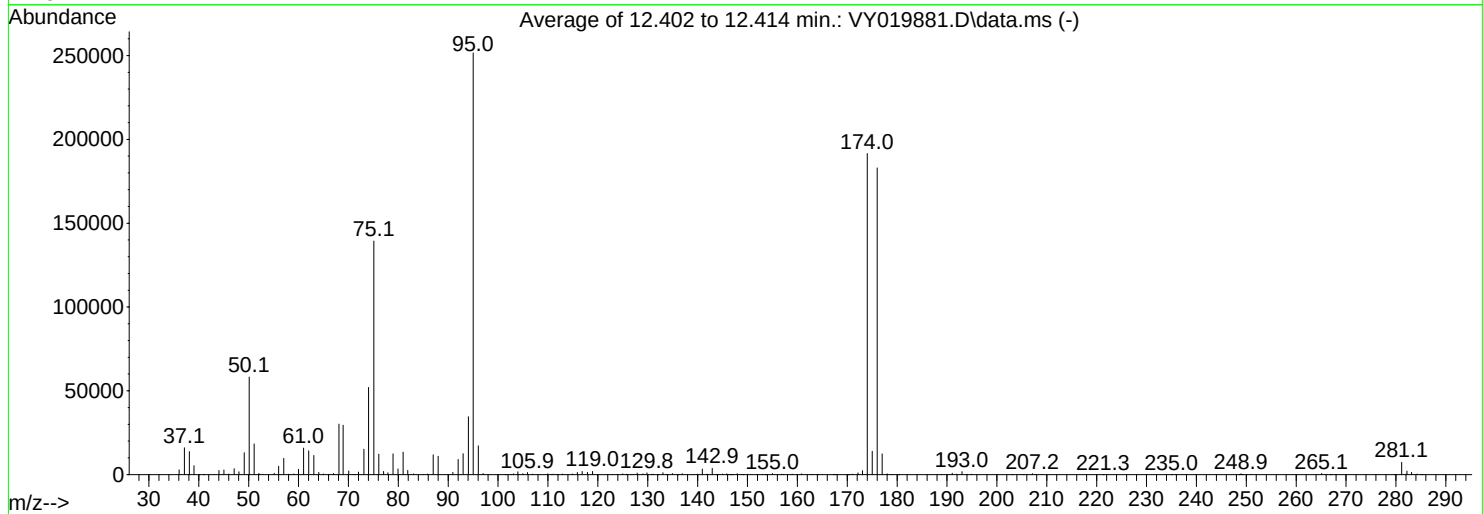
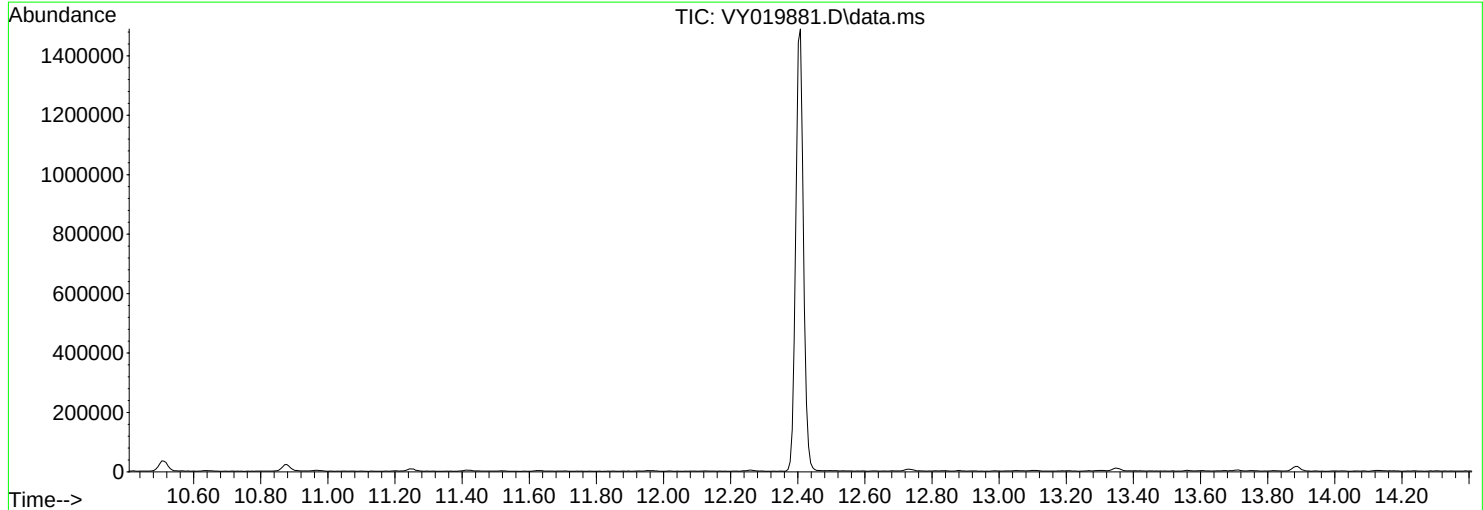
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	55939	PASS
75	95	30	60	55.3	139053	PASS
95	95	100	100	100.0	251435	PASS
96	95	5	9	6.7	16898	PASS
173	174	0.00	2	1.2	2327	PASS
174	95	50	100	74.3	186901	PASS
175	174	5	9	7.4	13866	PASS
176	174	95	101	97.1	181461	PASS
177	176	5	9	6.6	11886	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019881.D
Acq On : 14 Oct 2024 09:19
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\82Y100924S.M
Title : SW846 8260
Last Update : Thu Oct 10 05:30:07 2024



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	23.1	58240	PASS
75	95	30	60	55.4	139389	PASS
95	95	100	100	100.0	251627	PASS
96	95	5	9	6.8	17153	PASS
173	174	0.00	2	1.2	2378	PASS
174	95	50	100	76.1	191573	PASS
175	174	5	9	7.3	13966	PASS
176	174	95	101	95.5	182955	PASS
177	176	5	9	6.8	12416	PASS

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	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	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		70 (29) - 130 (146)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.713			
540-36-3	1,4-Difluorobenzene	607000	8.622			
3114-55-4	Chlorobenzene-d5	533000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

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\VY101124\
 Data File : VY019863.D
 Acq On : 11 Oct 2024 10:42
 Operator : SY/MD
 Sample : VY1011SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBL01

Quant Time: Oct 14 01:42:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	302283	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	606631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	532786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	193222	51.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.820%
35) Dibromofluoromethane	7.640	113	193627	48.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.740%
50) Toluene-d8	10.109	98	731558	49.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.408	95	218689	40.942	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	81.880%

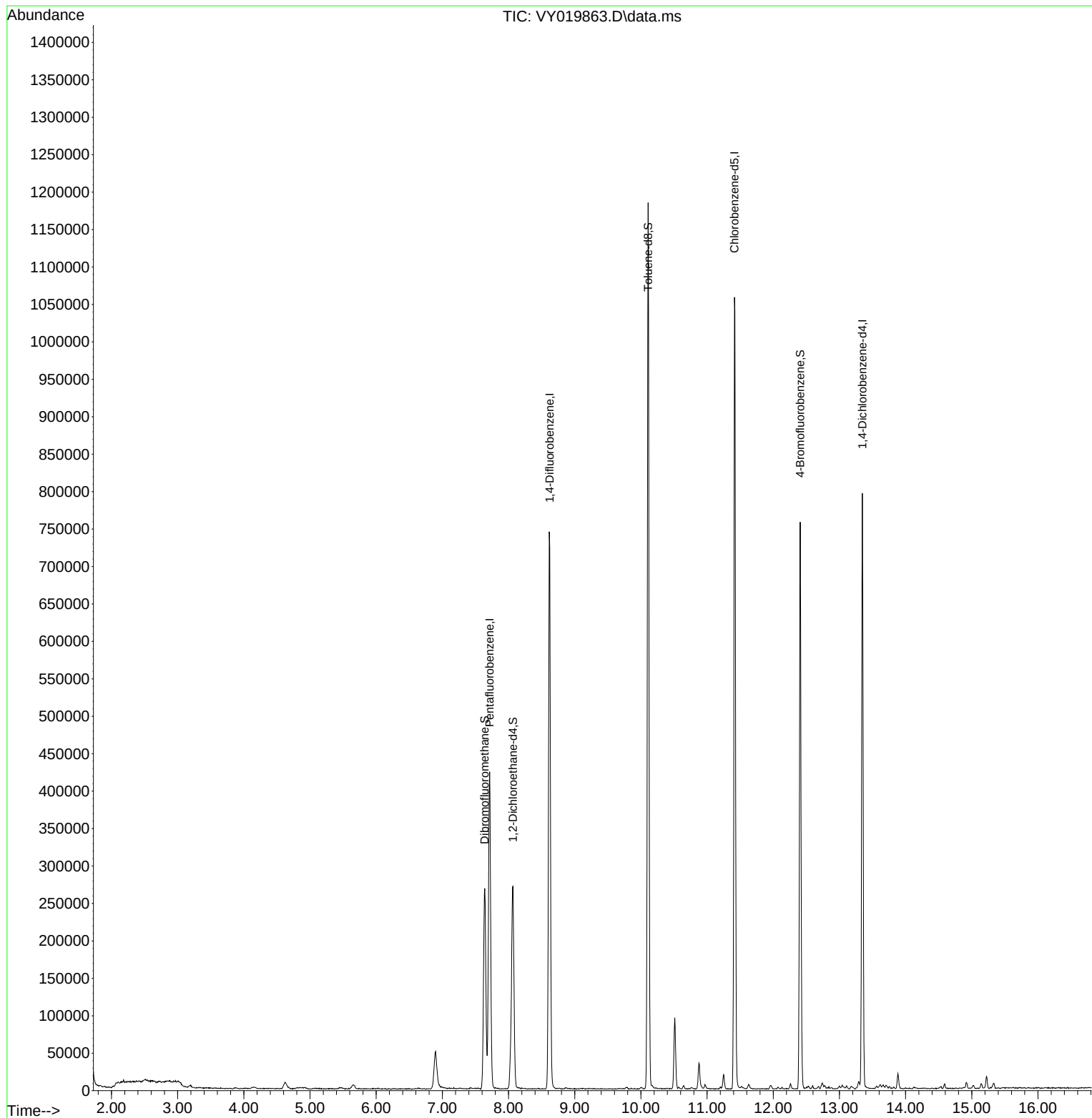
Target Compounds	Qvalue

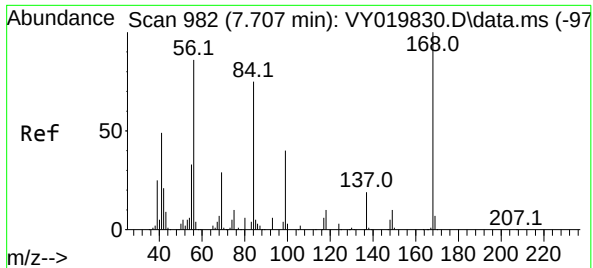
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019863.D
Acq On : 11 Oct 2024 10:42
Operator : SY/MD
Sample : VY1011SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

Quant Time: Oct 14 01:42:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

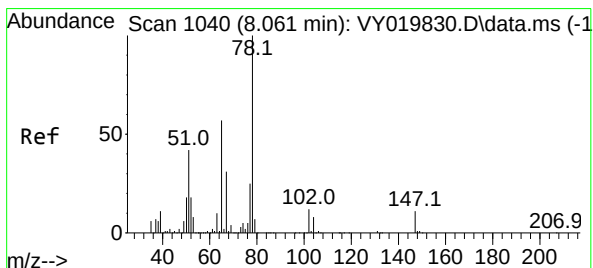
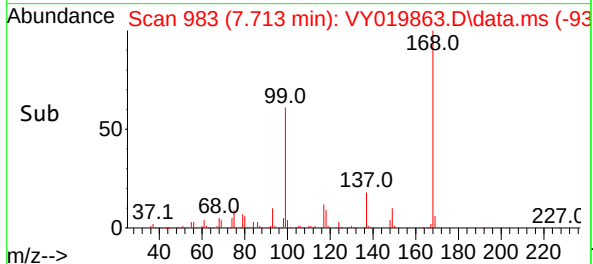
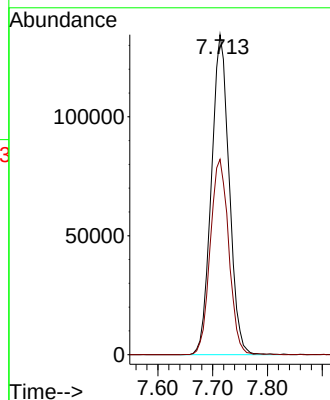
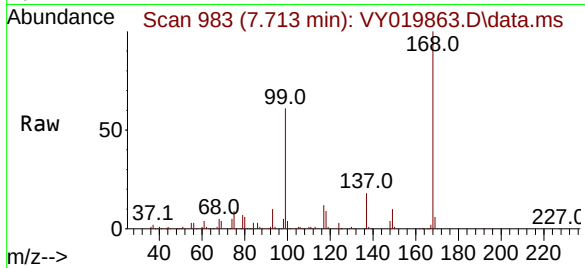




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019863.D
Acq: 11 Oct 2024 10:42

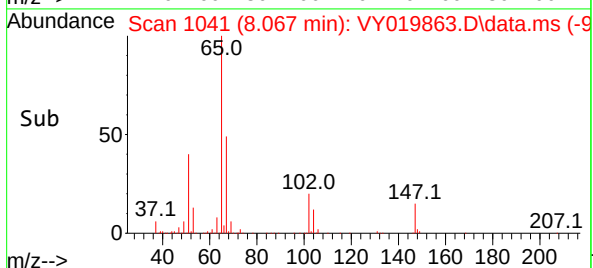
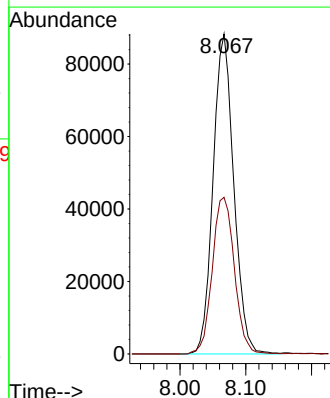
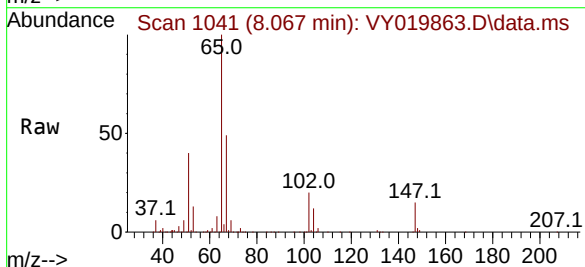
Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

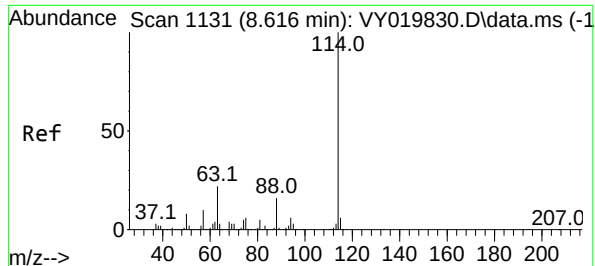
Tgt Ion:168 Resp: 302283
Ion Ratio Lower Upper
168 100
99 61.0 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 51.914 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019863.D
Acq: 11 Oct 2024 10:42

Tgt Ion: 65 Resp: 193222
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY019863.D

Acq: 11 Oct 2024 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBL01

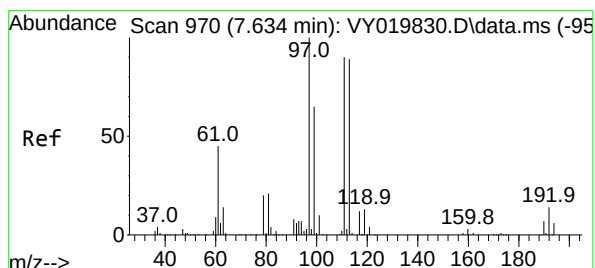
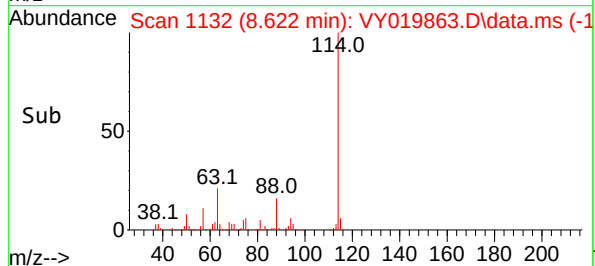
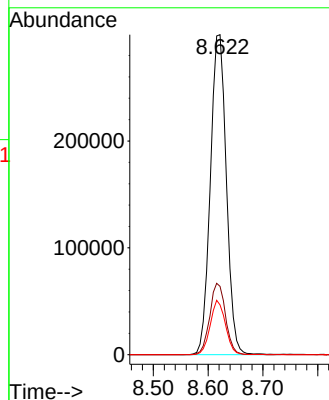
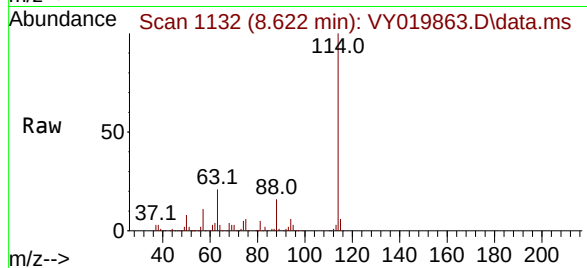
Tgt Ion:114 Resp: 606631

Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 15.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.369 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY019863.D

Acq: 11 Oct 2024 10:42

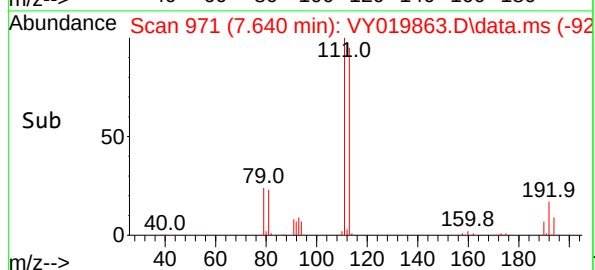
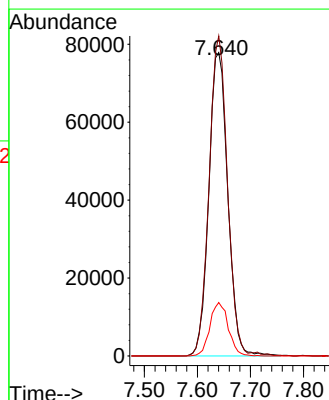
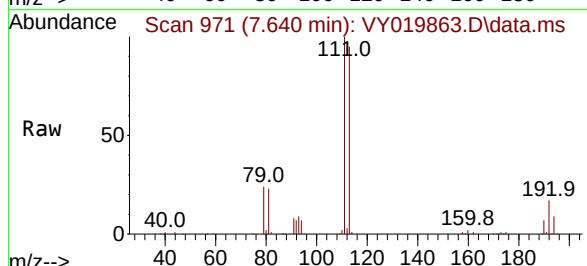
Tgt Ion:113 Resp: 193627

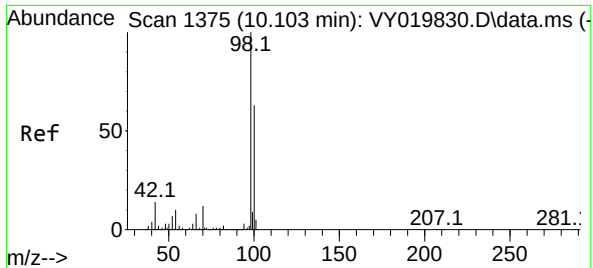
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 17.1 15.9 23.9

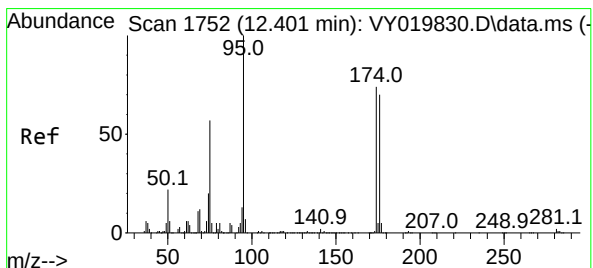
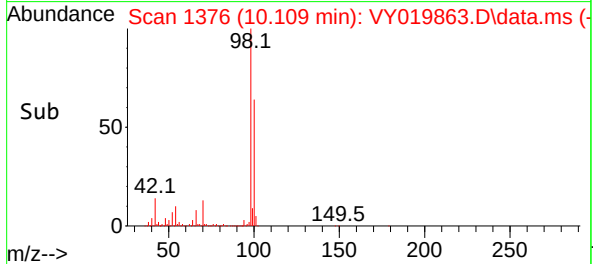
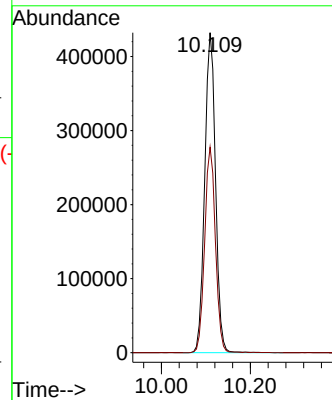
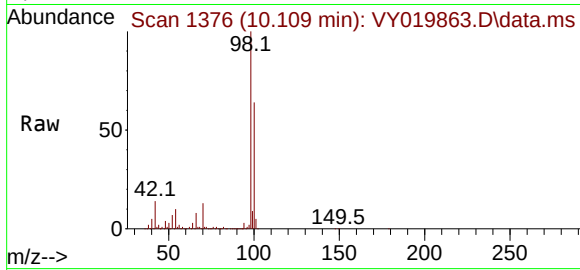




#50
Toluene-d8
Concen: 49.487 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019863.D
Acq: 11 Oct 2024 10:42

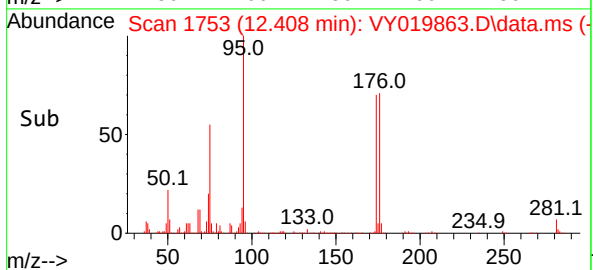
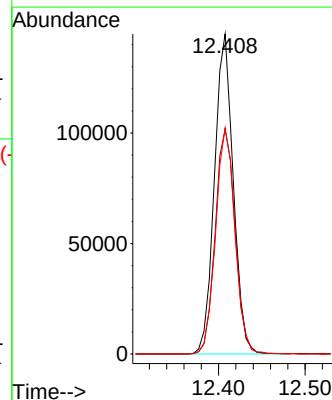
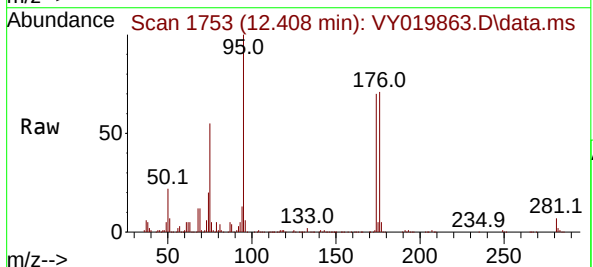
Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

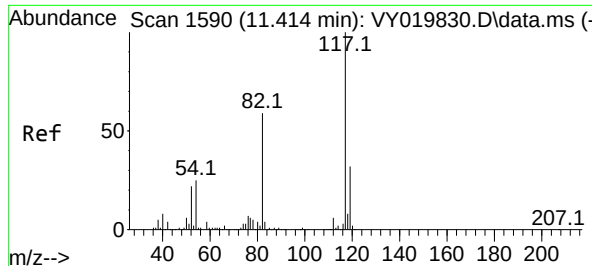
Tgt Ion: 98 Resp: 731558
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 40.942 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019863.D
Acq: 11 Oct 2024 10:42

Tgt Ion: 95 Resp: 218689
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 72.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019863.D

Acq: 11 Oct 2024 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBL01

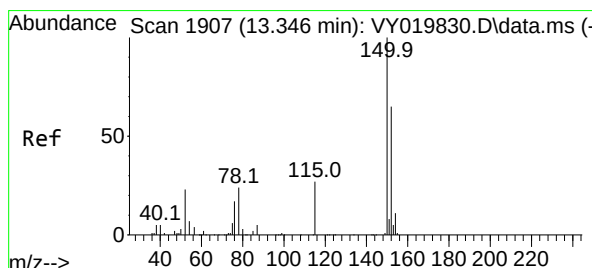
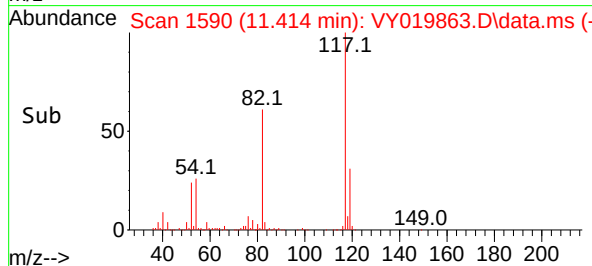
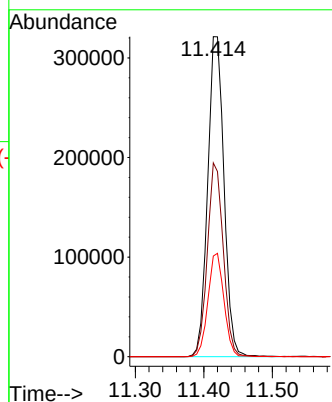
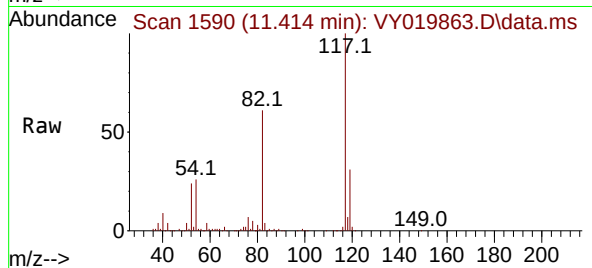
Tgt Ion:117 Resp: 532786

Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019863.D

Acq: 11 Oct 2024 10:42

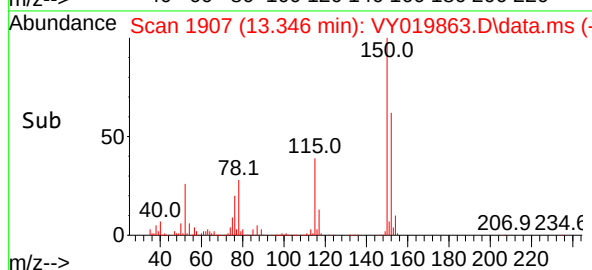
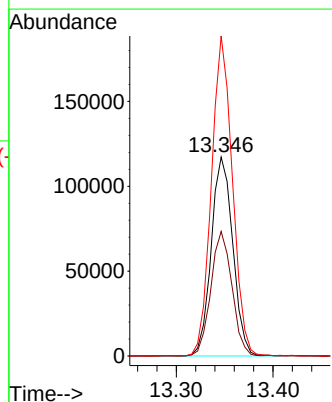
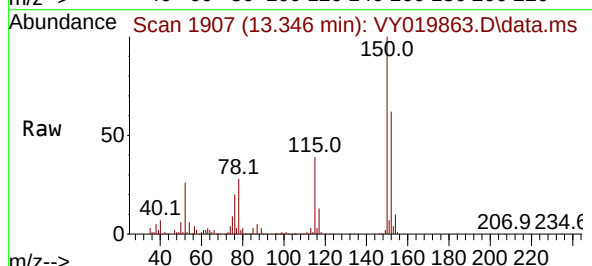
Tgt Ion:152 Resp: 181683

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 156.3 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019863.D
 Acq On : 11 Oct 2024 10:42
 Operator : SY/MD
 Sample : VY1011SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBL01

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\82Y100924S.M
 Title : SW846 8260

Signal : TIC: VY019863.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	468	476	483	rBV4	8721	27211	1.36%	0.256%
2	6.896	837	849	862	rBV2	49925	161904	8.10%	1.525%
3	7.640	961	971	977	rBV	268316	664549	33.23%	6.261%
4	7.713	977	983	995	rVB	423100	969932	48.51%	9.138%
5	8.067	1028	1041	1053	rBV2	270422	724827	36.25%	6.829%
6	8.616	1121	1131	1148	rBV	744254	1493742	74.70%	14.073%
7	10.109	1367	1376	1385	rBV	1183635	1999627	100.00%	18.839%
8	10.512	1434	1442	1449	rBV	95023	171850	8.59%	1.619%
9	10.877	1494	1502	1513	rBV2	34661	69843	3.49%	0.658%
10	11.249	1557	1563	1570	rVB2	18980	33497	1.68%	0.316%
11	11.414	1583	1590	1601	rBV	1056869	1746012	87.32%	16.449%
12	12.408	1746	1753	1764	rBV2	757014	1244931	62.26%	11.729%
13	13.292	1889	1898	1901	rBV6	9996	22194	1.11%	0.209%
14	13.346	1901	1907	1920	rVB	794712	1223062	61.16%	11.523%
15	13.883	1989	1995	2001	rBV2	19964	33102	1.66%	0.312%
16	15.224	2208	2215	2221	rVB2	16078	28235	1.41%	0.266%

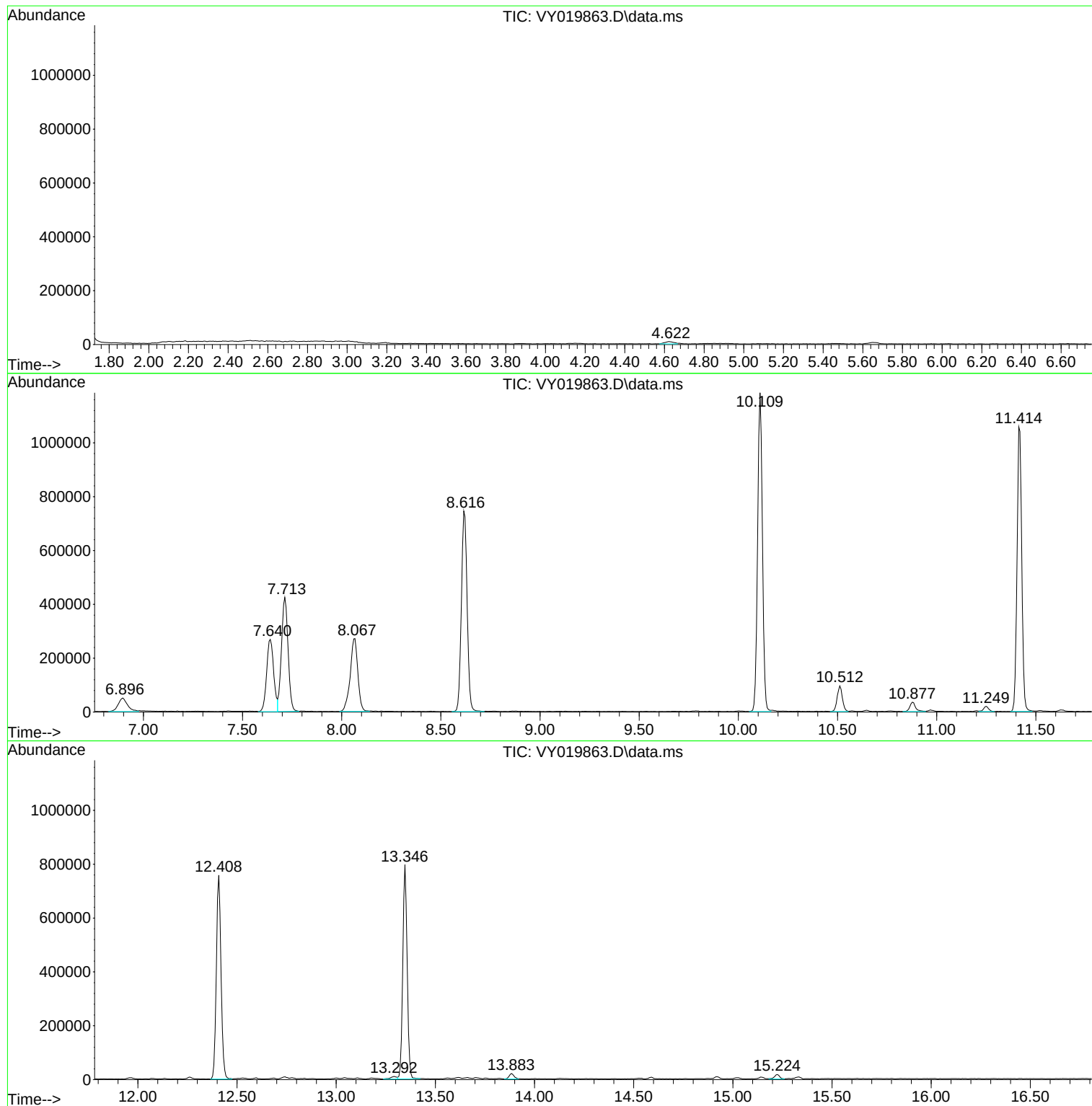
Sum of corrected areas: 10614518

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019863.D
Acq On : 11 Oct 2024 10:42
Operator : SY/MD
Sample : VY1011SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019863.D
Acq On : 11 Oct 2024 10:42
Operator : SY/MD
Sample : VY1011SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101124\
Data File : VY019863.D
Acq On : 11 Oct 2024 10:42
Operator : SY/MD
Sample : VY1011SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1014SBL01		SDG No.:	P4385
Lab Sample ID:	VY1014SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	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	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1014SBL01		SDG No.:	P4385
Lab Sample ID:	VY1014SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.713			
540-36-3	1,4-Difluorobenzene	541000	8.616			
3114-55-4	Chlorobenzene-d5	470000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1014SBL01		SDG No.:	P4385
Lab Sample ID:	VY1014SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

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\VY101424\
 Data File : VY019883.D
 Acq On : 14 Oct 2024 10:31
 Operator : SY/MD
 Sample : VY1014SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBL01

Quant Time: Oct 15 01:33:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	272092	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	541333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	470368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156619	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174249	52.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.020%
35) Dibromofluoromethane	7.634	113	174734	48.915	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.820%
50) Toluene-d8	10.109	98	661718	50.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.408	95	192068	40.295	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	80.600%

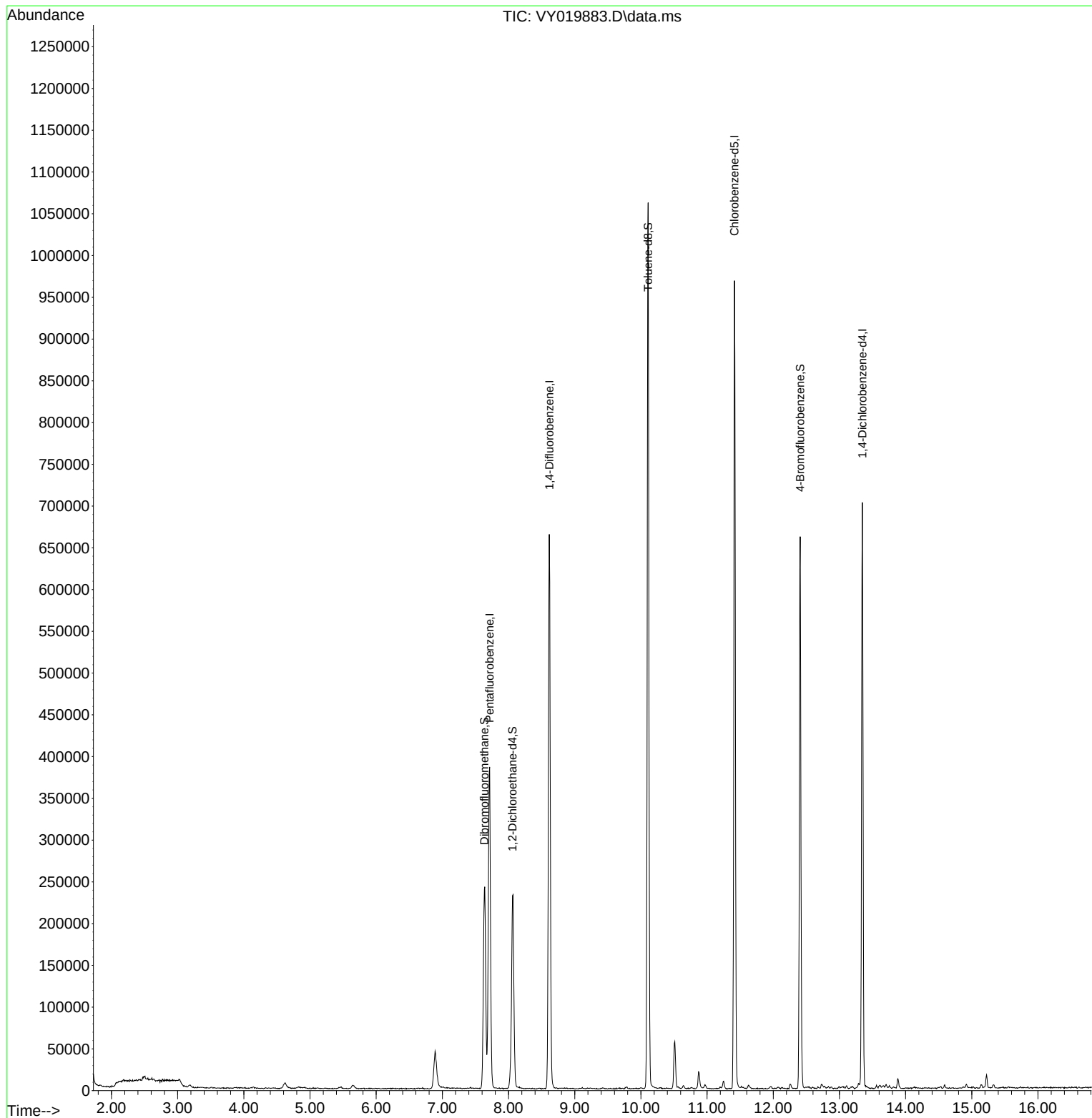
Target Compounds	Qvalue

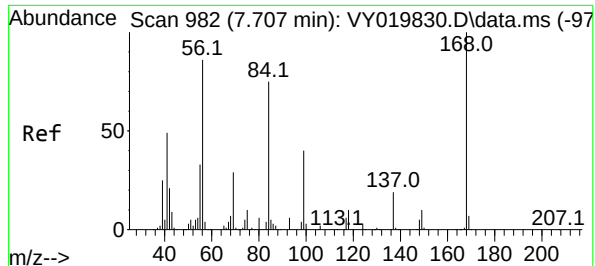
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019883.D
Acq On : 14 Oct 2024 10:31
Operator : SY/MD
Sample : VY1014SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

Quant Time: Oct 15 01:33:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

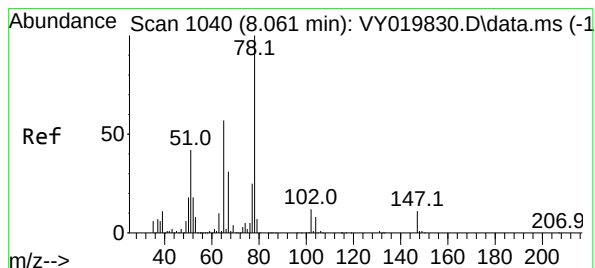
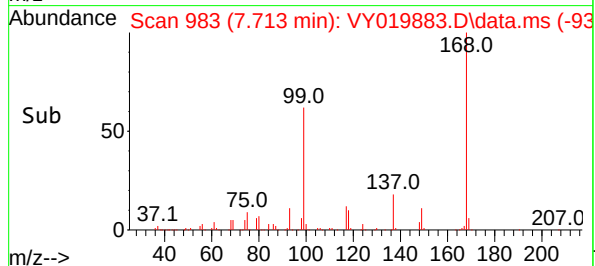
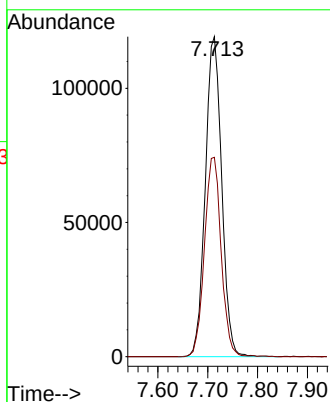
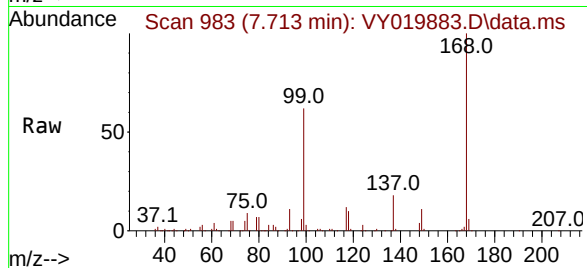




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019883.D
Acq: 14 Oct 2024 10:31

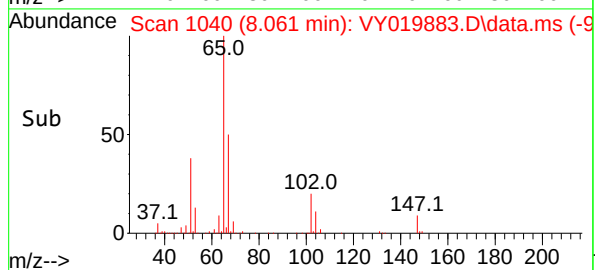
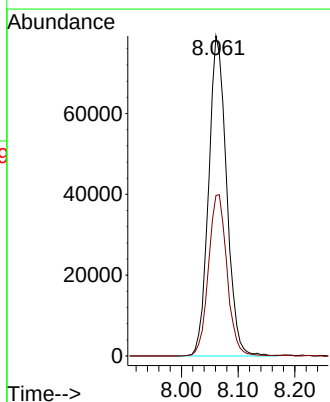
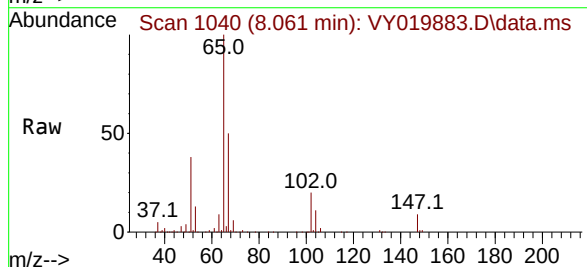
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

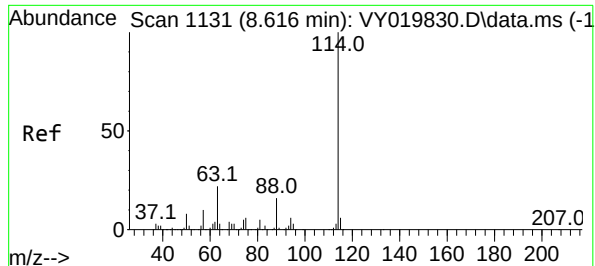
Tgt Ion:168 Resp: 272092
Ion Ratio Lower Upper
168 100
99 62.3 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 52.011 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019883.D
Acq: 14 Oct 2024 10:31

Tgt Ion: 65 Resp: 174249
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019883.D

Acq: 14 Oct 2024 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBL01

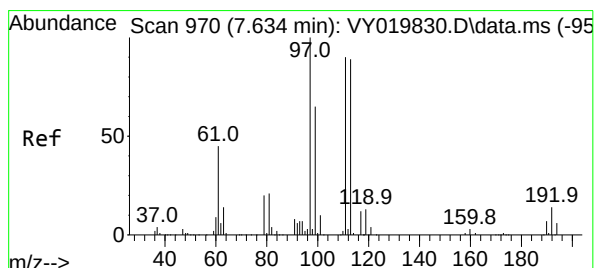
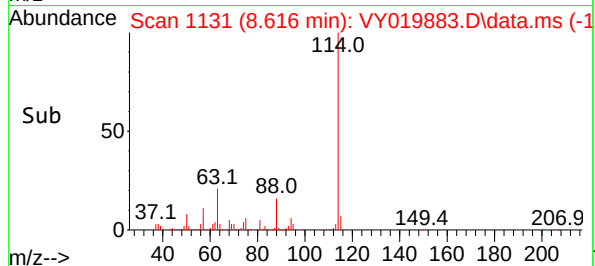
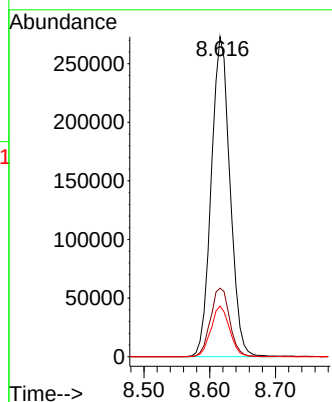
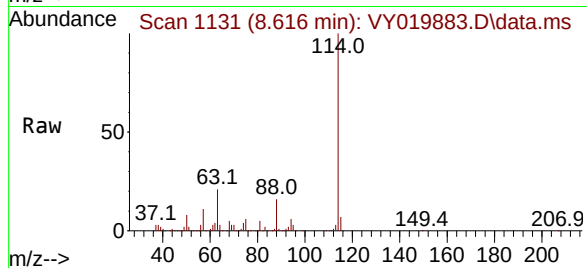
Tgt Ion:114 Resp: 541333

Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 15.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.915 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019883.D

Acq: 14 Oct 2024 10:31

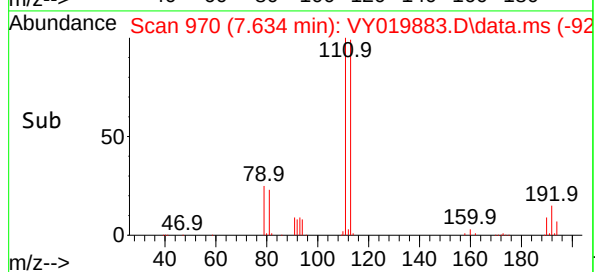
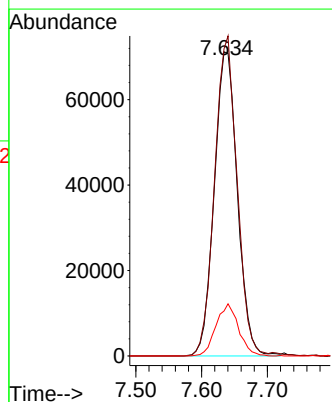
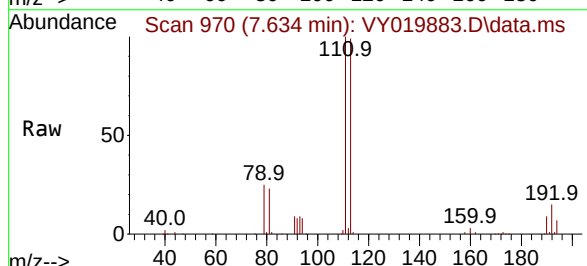
Tgt Ion:113 Resp: 174734

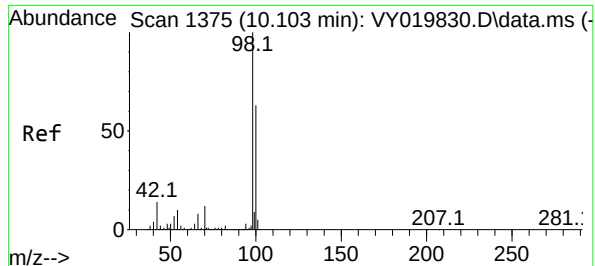
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 16.7 15.9 23.9

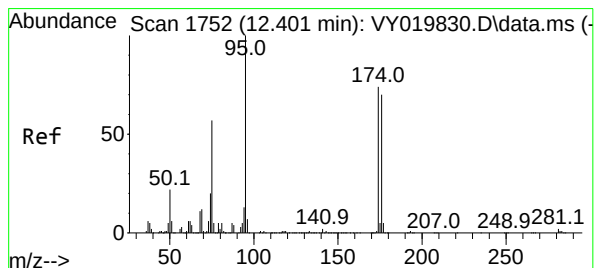
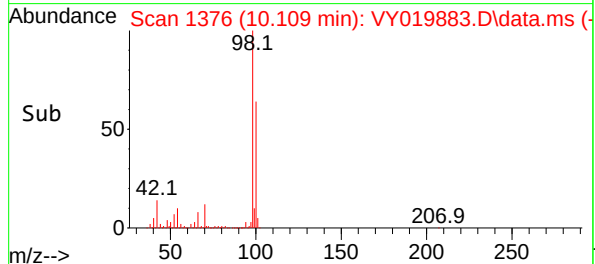
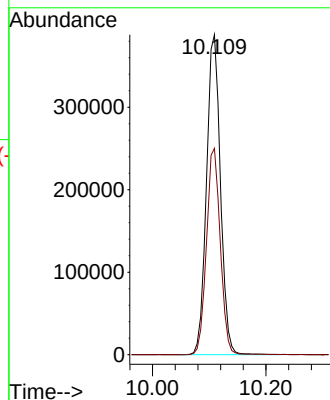
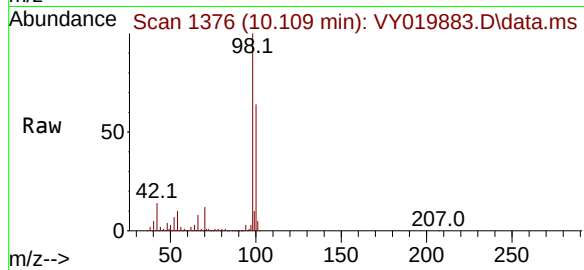




#50
Toluene-d8
Concen: 50.162 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019883.D
Acq: 14 Oct 2024 10:31

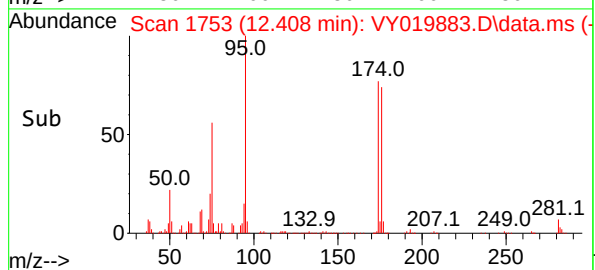
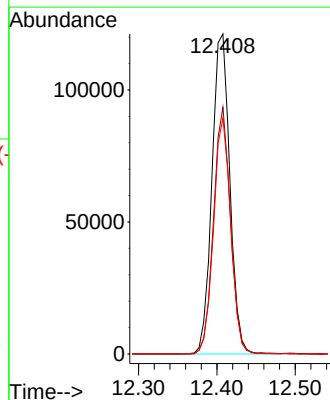
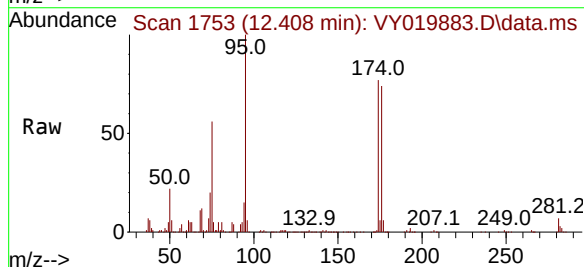
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

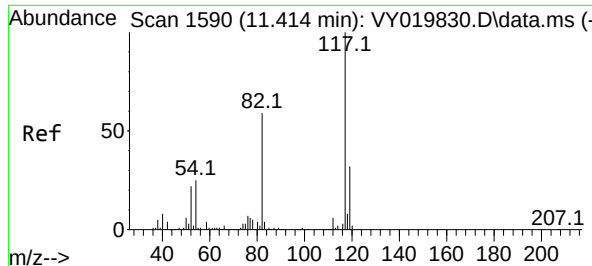
Tgt Ion: 98 Resp: 661718
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 40.295 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019883.D
Acq: 14 Oct 2024 10:31

Tgt Ion: 95 Resp: 192068
Ion Ratio Lower Upper
95 100
174 73.1 0.0 175.6
176 71.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019883.D

Acq: 14 Oct 2024 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY1014SBL01

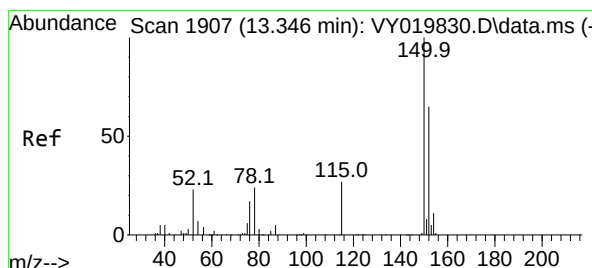
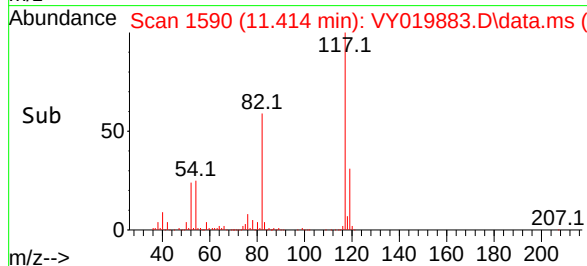
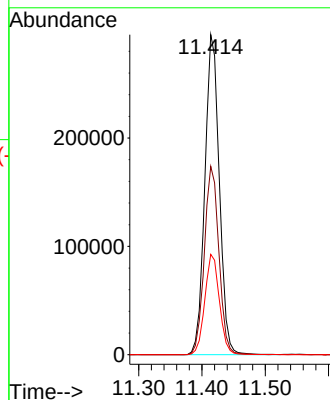
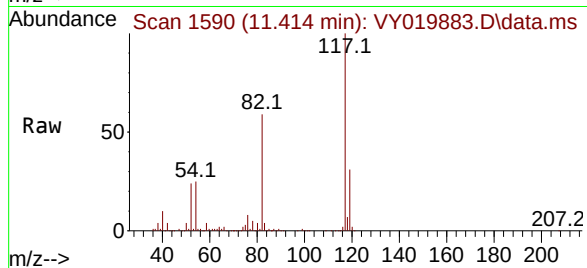
Tgt Ion:117 Resp: 470368

Ion Ratio Lower Upper

117 100

82 58.8 42.4 63.6

119 31.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019883.D

Acq: 14 Oct 2024 10:31

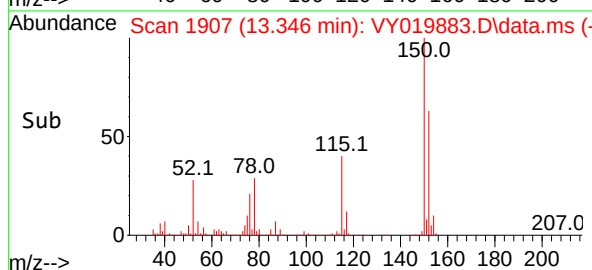
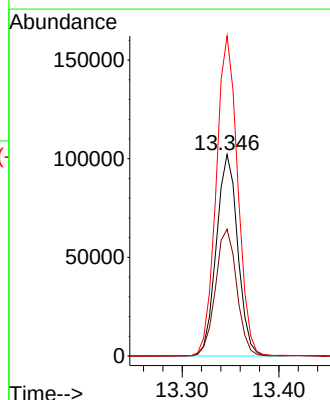
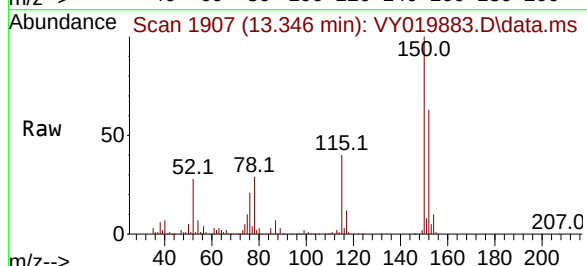
Tgt Ion:152 Resp: 156619

Ion Ratio Lower Upper

152 100

115 63.0 28.2 84.7

150 159.5 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019883.D
Acq On : 14 Oct 2024 10:31
Operator : SY/MD
Sample : VY1014SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

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\82Y100924S.M

Title : SW846 8260

Signal : TIC: VY019883.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	484	rBV7	6467	20193	1.11%	0.218%
2	6.890	838	848	863	rBV	44706	140168	7.70%	1.511%
3	7.640	959	971	976	rBV	241828	590868	32.47%	6.368%
4	7.713	976	983	995	rVB	384432	888483	48.83%	9.575%
5	8.067	1027	1041	1055	rBV2	232130	570570	31.36%	6.149%
6	8.616	1121	1131	1143	rBV	664075	1339046	73.60%	14.431%
7	10.109	1365	1376	1389	rBV	1060941	1819479	100.00%	19.608%
8	10.512	1434	1442	1448	rBV2	56430	108517	5.96%	1.169%
9	10.871	1493	1501	1510	rBV3	20426	41726	2.29%	0.450%
10	11.249	1557	1563	1571	rVB2	9320	18305	1.01%	0.197%
11	11.414	1583	1590	1604	rBV	967195	1548142	85.09%	16.684%
12	12.408	1745	1753	1763	rBV2	660811	1079213	59.31%	11.631%
13	13.346	1900	1907	1914	rVB	699218	1070011	58.81%	11.531%
14	13.883	1991	1995	2003	rVB2	11735	20694	1.14%	0.223%
15	15.224	2209	2215	2220	rVB	15323	23676	1.30%	0.255%

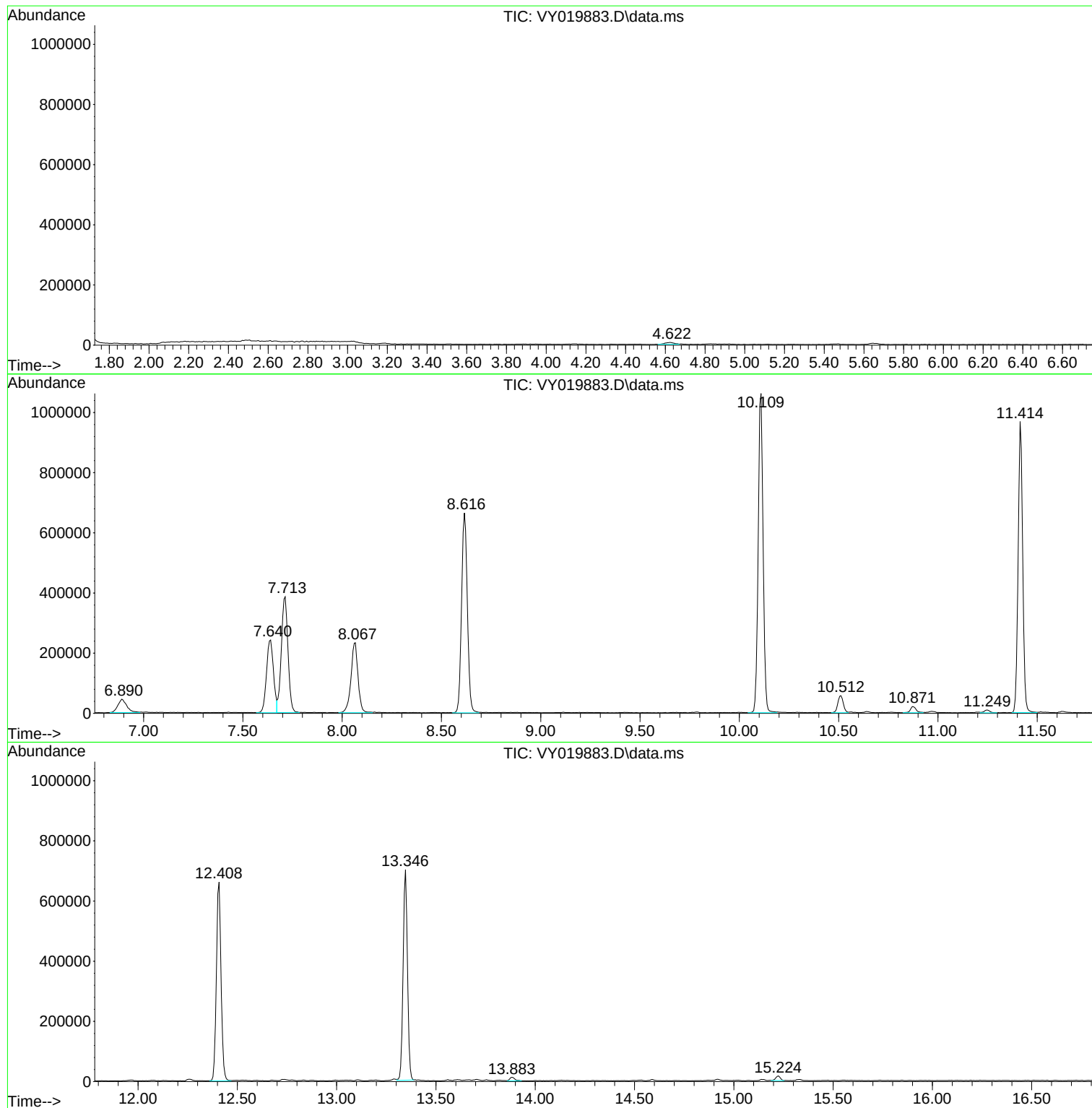
Sum of corrected areas: 9279091

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019883.D
Acq On : 14 Oct 2024 10:31
Operator : SY/MD
Sample : VY1014SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019883.D
Acq On : 14 Oct 2024 10:31
Operator : SY/MD
Sample : VY1014SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY101424\
Data File : VY019883.D
Acq On : 14 Oct 2024 10:31
Operator : SY/MD
Sample : VY1014SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1011SBS01		SDG No.:	P4385
Lab Sample ID:	VY1011SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.2		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.1		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.4		0.87	5.00	ug/Kg
71-43-2	Benzene	19.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.5		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	
Project:	Robbinsville			Date Received:	
Client Sample ID:	VY1011SBS01			SDG No.:	P4385
Lab Sample ID:	VY1011SBS01			Matrix:	SOIL
Analytical Method:	SW8260			% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		70 (50) - 130 (163)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.615			
3114-55-4	Chlorobenzene-d5	510000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBS01	SDG No.:	P4385
Lab Sample ID:	VY1011SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

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\VY101124\
 Data File : VY019864.D
 Acq On : 11 Oct 2024 11:14
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:42:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	341955	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	599010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	509876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	243672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	205582	48.826	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.660%		
35) Dibromofluoromethane	7.640	113	192765	48.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.109	98	712692	48.824	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.407	95	250347	47.465	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	94.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	59996	18.847	ug/l	95
3) Chloromethane	2.074	50	82854	19.998	ug/l	98
4) Vinyl Chloride	2.208	62	87501	19.192	ug/l	100
5) Bromomethane	2.598	94	57393	19.888	ug/l	92
6) Chloroethane	2.738	64	59461	19.413	ug/l	98
7) Trichlorofluoromethane	3.061	101	133775	19.719	ug/l	97
8) Diethyl Ether	3.458	74	39750	19.279	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.823	101	78836	19.978	ug/l	92
10) Methyl Iodide	4.006	142	72418	18.145	ug/l	92
11) Tert butyl alcohol	4.872	59	35663	90.411	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	70528	19.225	ug/l #	82
13) Acrolein	3.659	56	30902	99.882	ug/l	95
14) Allyl chloride	4.384	41	129079	19.501	ug/l #	91
15) Acrylonitrile	5.061	53	93608	99.259	ug/l	98
16) Acetone	3.878	43	112128	102.301	ug/l #	83
17) Carbon Disulfide	4.110	76	173127	17.607	ug/l	99
18) Methyl Acetate	4.390	43	46381	19.644	ug/l #	88
19) Methyl tert-butyl Ether	5.116	73	203014	19.263	ug/l	96
20) Methylene Chloride	4.628	84	85035	20.522	ug/l	87
21) trans-1,2-Dichloroethene	5.116	96	75459	18.899	ug/l	89
22) Diisopropyl ether	6.024	45	293657	20.368	ug/l #	91
23) Vinyl Acetate	5.963	43	672444m	81.357	ug/l	
24) 1,1-Dichloroethane	5.921	63	158522	19.780	ug/l	98
25) 2-Butanone	6.896	43	147130	100.286	ug/l #	86
26) 2,2-Dichloropropane	6.890	77	138113	19.351	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	94279	19.107	ug/l	82
28) Bromochloromethane	7.250	49	70205	19.902	ug/l #	75
29) Tetrahydrofuran	7.268	42	80566	96.177	ug/l #	82
30) Chloroform	7.420	83	166676	20.402	ug/l	99
31) Cyclohexane	7.707	56	130208	18.508	ug/l	90
32) 1,1,1-Trichloroethane	7.621	97	141292	19.734	ug/l	93
36) 1,1-Dichloropropene	7.841	75	110451	19.395	ug/l	95
37) Ethyl Acetate	6.987	43	58975	19.861	ug/l	96
38) Carbon Tetrachloride	7.823	117	120107	19.674	ug/l	98
39) Methylcyclohexane	9.109	83	132275	18.435	ug/l #	88
40) Benzene	8.085	78	338687	19.652	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019864.D
 Acq On : 11 Oct 2024 11:14
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:42:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	31540m	19.625	ug/l	
42) 1,2-Dichloroethane	8.158	62	96341	19.458	ug/l	95
43) Isopropyl Acetate	8.195	43	118097	19.501	ug/l #	89
44) Trichloroethene	8.865	130	80408	19.263	ug/l	88
45) 1,2-Dichloropropane	9.146	63	85381	19.793	ug/l	98
46) Dibromomethane	9.237	93	45450	19.284	ug/l	91
47) Bromodichloromethane	9.426	83	125506	20.062	ug/l	99
48) Methyl methacrylate	9.225	41	53634	20.134	ug/l #	80
49) 1,4-Dioxane	9.237	88	10291	390.130	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	304108	98.452	ug/l	89
52) Toluene	10.170	92	212354	19.739	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	104951	18.646	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	127677	19.224	ug/l #	86
55) 1,1,2-Trichloroethane	10.572	97	62454	20.113	ug/l	97
56) Ethyl methacrylate	10.438	69	84591	18.985	ug/l #	75
57) 1,3-Dichloropropane	10.718	76	106758	19.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	204239	98.466	ug/l	94
59) 2-Hexanone	10.761	43	223542	101.325	ug/l	86
60) Dibromochloromethane	10.914	129	75521	18.949	ug/l	99
61) 1,2-Dibromoethane	11.017	107	54837	19.543	ug/l	99
64) Tetrachloroethene	10.645	164	69125	19.060	ug/l	96
65) Chlorobenzene	11.444	112	226696	19.439	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	76486	19.385	ug/l	99
67) Ethyl Benzene	11.517	91	419638	19.809	ug/l	97
68) m/p-Xylenes	11.627	106	301046	38.478	ug/l	89
69) o-Xylene	11.956	106	145233	19.320	ug/l	90
70) Styrene	11.968	104	250829	19.777	ug/l	96
71) Bromoform	12.133	173	39954	18.915	ug/l #	97
73) Isopropylbenzene	12.255	105	401772	19.602	ug/l	98
74) N-amyl acetate	12.072	43	104240	19.202	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	72992	20.042	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	51668m	10.824	ug/l	
77) Bromobenzene	12.529	156	84406	19.407	ug/l	84
78) n-propylbenzene	12.596	91	491570	19.849	ug/l	97
79) 2-Chlorotoluene	12.675	91	278185	19.593	ug/l	94
80) 1,3,5-Trimethylbenzene	12.736	105	324563	19.608	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	22475	19.004	ug/l #	82
82) 4-Chlorotoluene	12.779	91	287209	19.784	ug/l	95
83) tert-Butylbenzene	12.999	119	295095	19.901	ug/l	96
84) 1,2,4-Trimethylbenzene	13.041	105	318640	19.416	ug/l	95
85) sec-Butylbenzene	13.175	105	434910	19.630	ug/l	97
86) p-Isopropyltoluene	13.291	119	349106	19.405	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	171940	19.576	ug/l	97
88) 1,4-Dichlorobenzene	13.364	146	168047	19.475	ug/l	97
89) n-Butylbenzene	13.614	91	346108	19.703	ug/l	98
90) Hexachloroethane	13.883	117	65367	18.660	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	148695	19.267	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10800	18.582	ug/l	76
93) 1,2,4-Trichlorobenzene	14.919	180	81063	18.732	ug/l	98
94) Hexachlorobutadiene	15.023	225	45593	18.950	ug/l	99
95) Naphthalene	15.145	128	154401	18.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	69413	18.975	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019864.D
Acq On : 11 Oct 2024 11:14
Operator : SY/MD
Sample : VY1011SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:42:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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

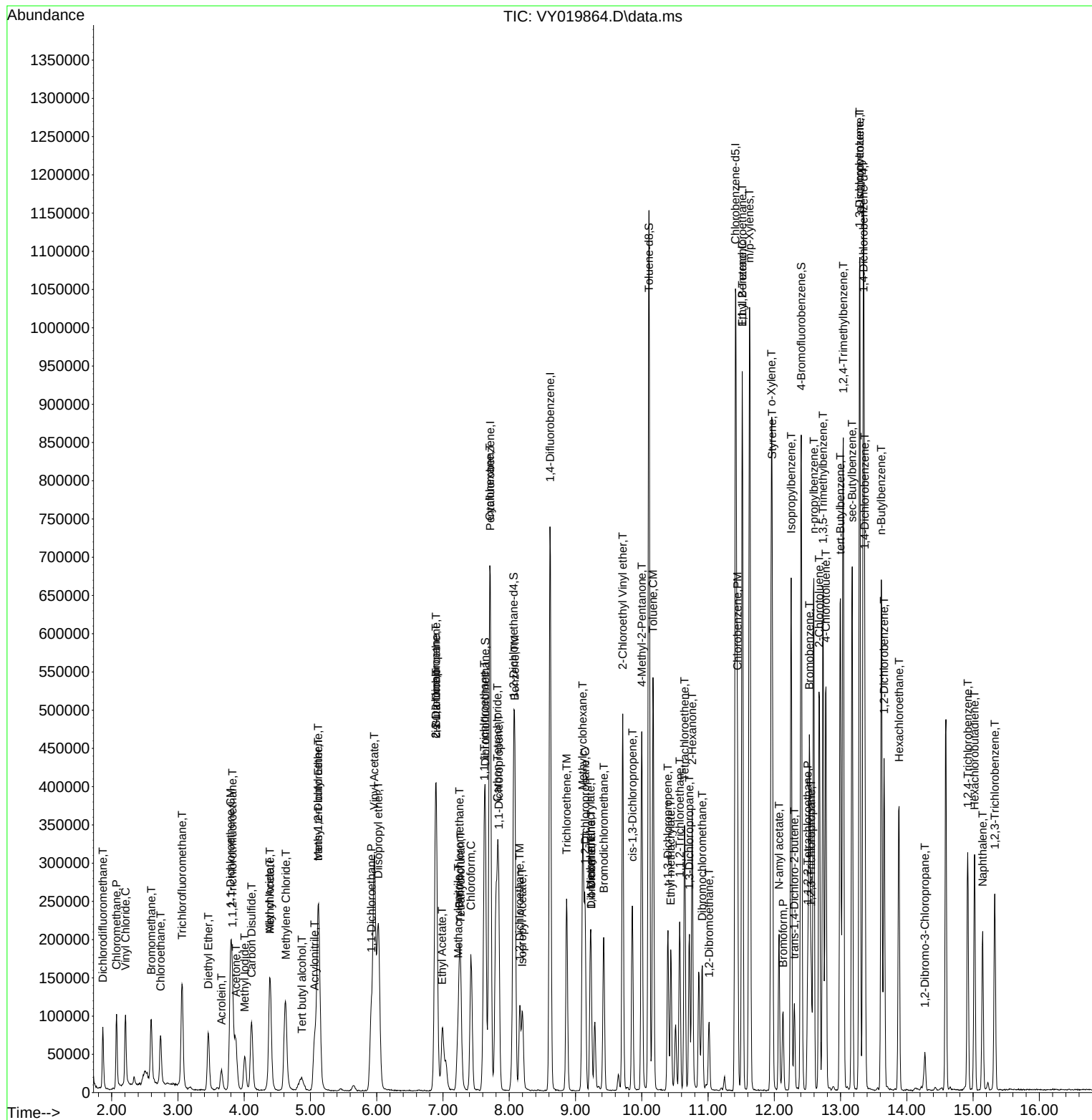
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019864.D
Acq On : 11 Oct 2024 11:14
Operator : SY/MD
Sample : VY1011SB501
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:42:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration



Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	
Project:	Robbinsville			Date Received:	
Client Sample ID:	VY1014SBS01			SDG No.:	P4385
Lab Sample ID:	VY1014SBS01			Matrix:	SOIL
Analytical Method:	SW8260			% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.0		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.7		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.0		0.67	5.00	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBS01	SDG No.:	P4385
Lab Sample ID:	VY1014SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.0		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (50) - 130 (163)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	52.7		70 (58) - 130 (134)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (29) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	511000	8.616			
3114-55-4	Chlorobenzene-d5	443000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.346			



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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1014SBS01		SDG No.:	P4385
Lab Sample ID:	VY1014SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

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\VY101424\
 Data File : VY019884.D
 Acq On : 14 Oct 2024 11:56
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:33:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	286988	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	511012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	442973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	194886	55.151	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.300%			
35) Dibromofluoromethane	7.640	113	185574	55.032	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.060%			
50) Toluene-d8	10.109	98	656078	52.685	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.401	95	239750	53.283	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	48103	18.005	ug/l	100
3) Chloromethane	2.074	50	68784	19.782	ug/l	98
4) Vinyl Chloride	2.208	62	73094	19.103	ug/l	99
5) Bromomethane	2.598	94	47520	19.621	ug/l	97
6) Chloroethane	2.739	64	49103	19.102	ug/l	97
7) Trichlorofluoromethane	3.062	101	107778	18.929	ug/l	94
8) Diethyl Ether	3.458	74	34268	19.803	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.830	101	65639	19.820	ug/l	91
10) Methyl Iodide	4.013	142	56153	16.765	ug/l	91
11) Tert butyl alcohol	4.854	59	36670	110.770	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	55320	17.968	ug/l	83
13) Acrolein	3.659	56	27313	105.190	ug/l	95
14) Allyl chloride	4.391	41	107527	19.356	ug/l #	91
15) Acrylonitrile	5.061	53	87333	110.341	ug/l	98
16) Acetone	3.873	43	98031	106.570	ug/l #	80
17) Carbon Disulfide	4.110	76	128726	15.599	ug/l	99
18) Methyl Acetate	4.391	43	44678	22.547	ug/l #	88
19) Methyl tert-butyl Ether	5.128	73	179719	20.318	ug/l	99
20) Methylene Chloride	4.628	84	74794	21.547	ug/l #	89
21) trans-1,2-Dichloroethene	5.116	96	62725	18.719	ug/l	86
22) Diisopropyl ether	6.018	45	255869	21.146	ug/l #	87
23) Vinyl Acetate	5.964	43	707408	101.980	ug/l	94
24) 1,1-Dichloroethane	5.921	63	138940	20.657	ug/l	97
25) 2-Butanone	6.896	43	135756	110.256	ug/l #	78
26) 2,2-Dichloropropane	6.884	77	118851	19.841	ug/l	92
27) cis-1,2-Dichloroethene	6.896	96	85421	20.628	ug/l	83
28) Bromochloromethane	7.244	49	66566	22.485	ug/l #	73
29) Tetrahydrofuran	7.262	42	76767	109.194	ug/l #	82
30) Chloroform	7.427	83	143668	20.954	ug/l	98
31) Cyclohexane	7.707	56	106559	18.048	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	118528	19.726	ug/l	94
36) 1,1-Dichloropropene	7.841	75	91161	18.765	ug/l	95
37) Ethyl Acetate	6.988	43	56961	22.486	ug/l	95
38) Carbon Tetrachloride	7.817	117	101054	19.403	ug/l	98
39) Methylcyclohexane	9.109	83	106867	17.458	ug/l #	87
40) Benzene	8.085	78	289826	19.713	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019884.D
 Acq On : 14 Oct 2024 11:56
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
 Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:33:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	30533m	22.270	ug/l	
42) 1,2-Dichloroethane	8.158	62	87951	20.822	ug/l	94
43) Isopropyl Acetate	8.201	43	106325	20.581	ug/l #	77
44) Trichloroethene	8.866	130	68132	19.133	ug/l	95
45) 1,2-Dichloropropane	9.140	63	75472	20.509	ug/l	99
46) Dibromomethane	9.231	93	40949	20.367	ug/l	89
47) Bromodichloromethane	9.426	83	109886	20.590	ug/l	99
48) Methyl methacrylate	9.225	41	46743	20.569	ug/l #	82
49) 1,4-Dioxane	9.225	88	9776	434.426	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	277497	105.307	ug/l	88
52) Toluene	10.170	92	183986	20.047	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	94027	19.582	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	110891	19.572	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	53963	20.371	ug/l	91
56) Ethyl methacrylate	10.438	69	78072	20.540	ug/l #	75
57) 1,3-Dichloropropane	10.719	76	97121	20.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	180446	101.976	ug/l	92
59) 2-Hexanone	10.762	43	198720	105.585	ug/l	87
60) Dibromochloromethane	10.914	129	68067	20.020	ug/l	99
61) 1,2-Dibromoethane	11.011	107	46017	19.224	ug/l	97
64) Tetrachloroethene	10.646	164	56022	17.780	ug/l #	90
65) Chlorobenzene	11.438	112	199006	19.642	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.517	131	67623	19.727	ug/l	99
67) Ethyl Benzene	11.517	91	357101	19.403	ug/l	100
68) m/p-Xylenes	11.627	106	259364	38.157	ug/l	90
69) o-Xylene	11.956	106	126659	19.394	ug/l	92
70) Styrene	11.969	104	219312	19.904	ug/l	96
71) Bromoform	12.133	173	36626	19.959	ug/l #	99
73) Isopropylbenzene	12.255	105	343770	18.996	ug/l	98
74) N-amyl acetate	12.072	43	93172	19.438	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	68520	21.308	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	48865m	11.594	ug/l	
77) Bromobenzene	12.530	156	73677	19.185	ug/l	83
78) n-propylbenzene	12.597	91	425122	19.441	ug/l	97
79) 2-Chlorotoluene	12.682	91	241101	19.232	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	277967	19.019	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	18904	18.104	ug/l #	80
82) 4-Chlorotoluene	12.779	91	250672	19.556	ug/l	94
83) tert-Butylbenzene	12.999	119	258079	19.711	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	277671	19.163	ug/l	96
85) sec-Butylbenzene	13.176	105	379087	19.379	ug/l	98
86) p-Isopropyltoluene	13.292	119	300873	18.941	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	150643	19.424	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	148325	19.468	ug/l	96
89) n-Butylbenzene	13.615	91	302800	19.522	ug/l	97
90) Hexachloroethane	13.877	117	57159	18.480	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	135679	19.911	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10094	19.669	ug/l	73
93) 1,2,4-Trichlorobenzene	14.919	180	70176	18.366	ug/l	98
94) Hexachlorobutadiene	15.023	225	38843	18.285	ug/l	99
95) Naphthalene	15.145	128	129338	17.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	58472	18.103	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019884.D
Acq On : 14 Oct 2024 11:56
Operator : SY/MD
Sample : VY1014SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:33:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

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

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

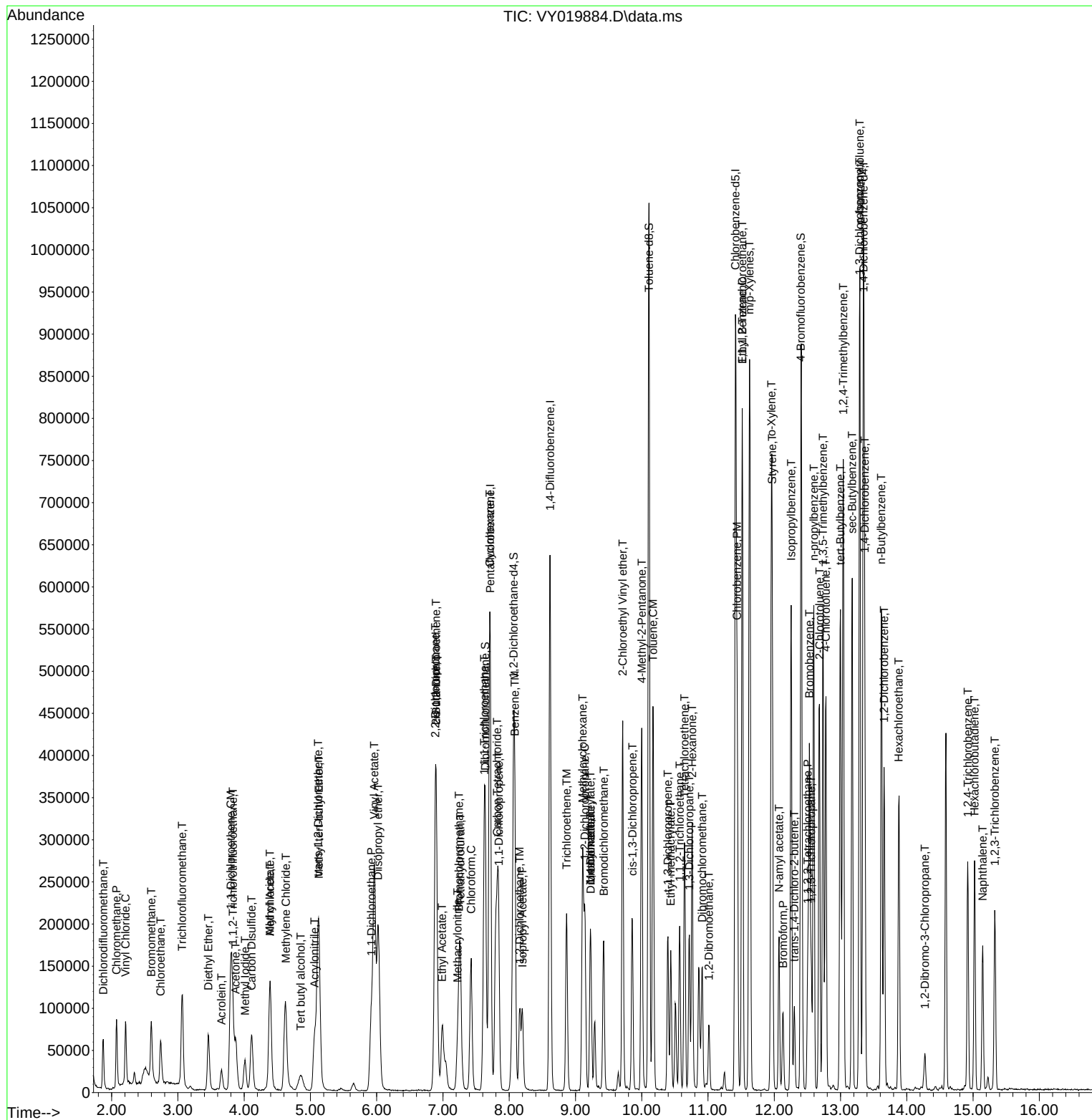
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
Data File : VY019884.D
Acq On : 14 Oct 2024 11:56
Operator : SY/MD
Sample : VY1014SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/15/2024
Supervised By :Semsettin Yesilyurt 10/15/2024

Quant Time: Oct 15 01:33:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration



Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBSD01	SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.9		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.0		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.7		0.87	5.00	ug/Kg
71-43-2	Benzene	20.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.0		0.67	5.00	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.		Date Collected:	
Project:	Robbinsville		Date Received:	
Client Sample ID:	VY1011SBSD01		SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.70	5.00	ug/Kg
100-42-5	Styrene	20.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (54) - 130 (147)	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (29) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	7.707			
540-36-3	1,4-Difluorobenzene	563000	8.616			
3114-55-4	Chlorobenzene-d5	471000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.346			

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBSD01	SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

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\VY101124\
 Data File : VY019865.D
 Acq On : 11 Oct 2024 11:37
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:43:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	317435	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	562573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	470630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	227990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204355	52.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	193891	52.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.109	98	706509	51.535	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.401	95	251418	50.755	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	58044	19.642	ug/l	100
3) Chloromethane	2.068	50	77027	20.027	ug/l	99
4) Vinyl Chloride	2.208	62	83539	19.738	ug/l	100
5) Bromomethane	2.592	94	54412	20.311	ug/l	95
6) Chloroethane	2.739	64	55915	19.666	ug/l	100
7) Trichlorofluoromethane	3.056	101	125962	20.001	ug/l	100
8) Diethyl Ether	3.458	74	40063	20.932	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.818	101	73680	20.114	ug/l	93
10) Methyl Iodide	4.007	142	69836	18.850	ug/l	# 90
11) Tert butyl alcohol	4.860	59	39117	106.828	ug/l	# 86
12) 1,1-Dichloroethene	3.793	96	66468	19.518	ug/l	86
13) Acrolein	3.659	56	31779	110.651	ug/l	100
14) Allyl chloride	4.385	41	121585	19.788	ug/l	# 89
15) Acrylonitrile	5.061	53	94231	107.637	ug/l	96
16) Acetone	3.872	43	111686	109.769	ug/l	# 84
17) Carbon Disulfide	4.110	76	163641	17.928	ug/l	100
18) Methyl Acetate	4.385	43	45952	20.966	ug/l	# 87
19) Methyl tert-butyl Ether	5.122	73	201324	20.578	ug/l	98
20) Methylene Chloride	4.622	84	84353	21.986	ug/l	# 87
21) trans-1,2-Dichloroethene	5.116	96	72094	19.451	ug/l	85
22) Diisopropyl ether	6.025	45	281252	21.014	ug/l	# 93
23) Vinyl Acetate	5.964	43	678257m	88.399	ug/l	
24) 1,1-Dichloroethane	5.915	63	155502	20.902	ug/l	97
25) 2-Butanone	6.896	43	147567	108.353	ug/l	# 82
26) 2,2-Dichloropropane	6.890	77	130865	19.751	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	91251	19.922	ug/l	83
28) Bromochloromethane	7.244	49	72073	22.010	ug/l	# 74
29) Tetrahydrofuran	7.262	42	82237	105.755	ug/l	# 83
30) Chloroform	7.427	83	157510	20.769	ug/l	97
31) Cyclohexane	7.701	56	124392	19.047	ug/l	90
32) 1,1,1-Trichloroethane	7.622	97	133217	20.044	ug/l	95
36) 1,1-Dichloropropene	7.835	75	104861	19.606	ug/l	95
37) Ethyl Acetate	6.988	43	59571	21.361	ug/l	96
38) Carbon Tetrachloride	7.817	117	111262	19.405	ug/l	98
39) Methylcyclohexane	9.109	83	126330	18.746	ug/l	93
40) Benzene	8.079	78	323834	20.007	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019865.D
 Acq On : 11 Oct 2024 11:37
 Operator : SY/MD
 Sample : VY1011SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:43:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	32877	21.782	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	95290	20.492	ug/l	95
43) Isopropyl Acetate	8.201	43	118010	20.749	ug/l #	77
44) Trichloroethene	8.865	130	74930	19.113	ug/l	95
45) 1,2-Dichloropropane	9.140	63	81270	20.060	ug/l	98
46) Dibromomethane	9.231	93	44152	19.947	ug/l	90
47) Bromodichloromethane	9.426	83	121409	20.664	ug/l	98
48) Methyl methacrylate	9.225	41	52525	20.995	ug/l	83
49) 1,4-Dioxane	9.231	88	10657	430.172	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	314407	108.379	ug/l	90
52) Toluene	10.170	92	202120	20.005	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	102427	19.376	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	122765	19.681	ug/l #	80
55) 1,1,2-Trichloroethane	10.572	97	61453	21.073	ug/l	97
56) Ethyl methacrylate	10.438	69	85556	20.446	ug/l #	74
57) 1,3-Dichloropropane	10.713	76	106370	20.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	197517	101.393	ug/l	94
59) 2-Hexanone	10.761	43	228014	110.046	ug/l	86
60) Dibromochloromethane	10.908	129	74505	19.905	ug/l	99
61) 1,2-Dibromoethane	11.011	107	51625	19.590	ug/l	100
64) Tetrachloroethene	10.646	164	64757	19.345	ug/l	95
65) Chlorobenzene	11.438	112	219074	20.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	74458	20.444	ug/l	98
67) Ethyl Benzene	11.517	91	398105	20.359	ug/l	100
68) m/p-Xylenes	11.627	106	289507	40.088	ug/l	91
69) o-Xylene	11.950	106	141651	20.415	ug/l	93
70) Styrene	11.969	104	236371	20.191	ug/l	95
71) Bromoform	12.133	173	39715	20.370	ug/l #	98
73) Isopropylbenzene	12.255	105	381445	19.891	ug/l	98
74) N-amyl acetate	12.072	43	104125	20.500	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	72520	21.282	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	49323m	11.043	ug/l	
77) Bromobenzene	12.529	156	82006	20.152	ug/l	86
78) n-propylbenzene	12.590	91	466029	20.112	ug/l	97
79) 2-Chlorotoluene	12.676	91	269976	20.323	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	305406	19.720	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	21790	19.693	ug/l #	83
82) 4-Chlorotoluene	12.773	91	273375	20.126	ug/l	94
83) tert-Butylbenzene	12.993	119	269723	19.441	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	304752	19.848	ug/l	98
85) sec-Butylbenzene	13.176	105	411394	19.846	ug/l	98
86) p-Isopropyltoluene	13.292	119	330674	19.645	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	162888	19.821	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	162886	20.175	ug/l	96
89) n-Butylbenzene	13.615	91	327084	19.900	ug/l	98
90) Hexachloroethane	13.877	117	62463	19.057	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	144209	19.971	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11568	21.272	ug/l	71
93) 1,2,4-Trichlorobenzene	14.919	180	78430	19.370	ug/l	97
94) Hexachlorobutadiene	15.023	225	43604	19.370	ug/l	98
95) Naphthalene	15.145	128	151677	19.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	65491	19.134	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019865.D
Acq On : 11 Oct 2024 11:37
Operator : SY/MD
Sample : VY1011SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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

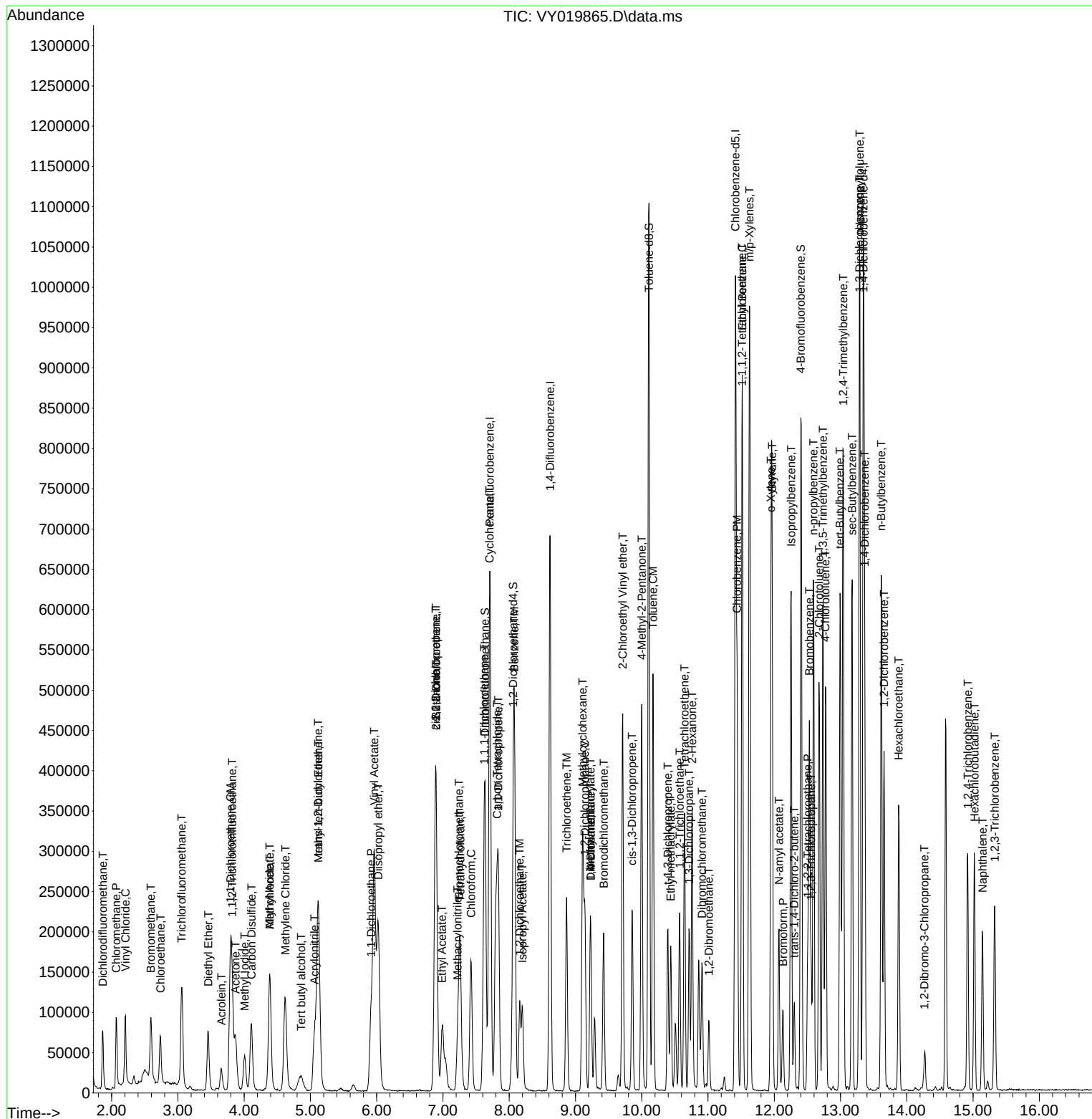
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
Data File : VY019865.D
Acq On : 11 Oct 2024 11:37
Operator : SY/MD
Sample : VY1011SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 01:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:

VY100924

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY019827.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:35 AM	MMDadoda	10/10/2024 10:09:23 PM	Peak Integrated by Software
VSTDIC010	VY019828.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:39 AM	MMDadoda	10/10/2024 10:09:24 PM	Peak Integrated by Software
VSTDIC020	VY019829.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:24 AM	MMDadoda	10/10/2024 10:09:26 PM	Peak Integrated by Software
VSTDICCC050	VY019830.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:44 AM	MMDadoda	10/10/2024 10:09:28 PM	Peak Integrated by Software
VSTDIC100	VY019831.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:48 AM	MMDadoda	10/10/2024 10:09:30 PM	Peak Integrated by Software
VSTDIC150	VY019832.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:51 AM	MMDadoda	10/10/2024 10:09:32 PM	Peak Integrated by Software
VSTDICV050	VY019834.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:56 AM	MMDadoda	10/10/2024 10:09:33 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	Methacrylonitrile	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY101124	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019862.D	1,2,3-Trichloropropane	MMDadoda	10/14/2024 6:44:10 PM	SAM	10/14/2024 6:46:41 PM	Peak Integrated by Software
VSTDCCC050	VY019862.D	Vinyl Acetate	MMDadoda	10/14/2024 6:44:10 PM	SAM	10/14/2024 6:46:41 PM	Peak Integrated by Software
VY1011SBS01	VY019864.D	1,2,3-Trichloropropane	MMDadoda	10/14/2024 6:44:11 PM	SAM	10/14/2024 6:46:43 PM	Peak Integrated by Software
VY1011SBS01	VY019864.D	Methacrylonitrile	MMDadoda	10/14/2024 6:44:11 PM	SAM	10/14/2024 6:46:43 PM	Peak Integrated by Software
VY1011SBS01	VY019864.D	Vinyl Acetate	MMDadoda	10/14/2024 6:44:11 PM	SAM	10/14/2024 6:46:43 PM	Peak Integrated by Software
VY1011SBSD0 1	VY019865.D	1,2,3-Trichloropropane	MMDadoda	10/14/2024 6:44:12 PM	SAM	10/14/2024 6:46:45 PM	Peak Integrated by Software
VY1011SBSD0 1	VY019865.D	Vinyl Acetate	MMDadoda	10/14/2024 6:44:12 PM	SAM	10/14/2024 6:46:45 PM	Peak Integrated by Software
VSTDCCC050	VY019880.D	1,2,3-Trichloropropane	MMDadoda	10/14/2024 6:44:18 PM	SAM	10/14/2024 6:46:50 PM	Peak Integrated by Software
VSTDCCC050	VY019880.D	Vinyl Acetate	MMDadoda	10/14/2024 6:44:18 PM	SAM	10/14/2024 6:46:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY101424

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019882.D	1,2,3-Trichloropropane	MMDadoda	10/15/2024 1:19:33 PM	SAM	10/15/2024 1:22:38 PM	Peak Integrated by Software
VY1014SBS01	VY019884.D	1,2,3-Trichloropropane	MMDadoda	10/15/2024 1:19:35 PM	SAM	10/15/2024 1:22:39 PM	Peak Integrated by Software
VY1014SBS01	VY019884.D	Methacrylonitrile	MMDadoda	10/15/2024 1:19:35 PM	SAM	10/15/2024 1:22:39 PM	Peak Integrated by Software
VSTDCCC050	VY019894.D	1,2,3-Trichloropropane	MMDadoda	10/15/2024 1:19:38 PM	SAM	10/15/2024 1:22:42 PM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM		
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP130736			
Initial Calibration Stds		VP130737,VP130738,VP130739,VP130740,VP130741,VP130742			
CCC		VP130744,VP130745			
Internal Standard/PEM		VP128297			
ICV/I.BLK		VP130746			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019826.D	09 Oct 2024 09:33	SY/MD	Ok
2	VSTDIC005	VY019827.D	09 Oct 2024 10:18	SY/MD	Ok,M
3	VSTDIC010	VY019828.D	09 Oct 2024 10:41	SY/MD	Ok,M
4	VSTDIC020	VY019829.D	09 Oct 2024 11:04	SY/MD	Ok,M
5	VSTDIC050	VY019830.D	09 Oct 2024 11:26	SY/MD	Ok,M
6	VSTDIC100	VY019831.D	09 Oct 2024 11:49	SY/MD	Ok,M
7	VSTDIC150	VY019832.D	09 Oct 2024 12:11	SY/MD	Ok,M
8	VIBLK	VY019833.D	09 Oct 2024 12:35	SY/MD	Ok
9	VSTDICV050	VY019834.D	09 Oct 2024 15:25	SY/MD	Ok,M
10	VY1009SBL01	VY019835.D	09 Oct 2024 16:11	SY/MD	Ok
11	VY1009SBS01	VY019836.D	09 Oct 2024 16:41	SY/MD	Ok,M
12	VY1009SBS01	VY019837.D	09 Oct 2024 17:04	SY/MD	Ok,M
13	P4343-01	VY019838.D	09 Oct 2024 17:27	SY/MD	Not Ok
14	P4353-02	VY019839.D	09 Oct 2024 17:51	SY/MD	Ok
15	P4359-01	VY019840.D	09 Oct 2024 18:14	SY/MD	Ok
16	P4344-01	VY019841.D	09 Oct 2024 18:38	SY/MD	Ok
17	VSTDIC050	VY019842.D	09 Oct 2024 19:00	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY101124

Review By	Maresh Dadoda	Review On	10/14/2024 6:44:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/14/2024 6:46:54 PM		
SubDirectory	VY101124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP130814			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP130815,VP130816,MDL-VP130870VP130869, VP128297			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019861.D	11 Oct 2024 08:22	SY/MD	Ok
2	VSTDCCC050	VY019862.D	11 Oct 2024 10:11	SY/MD	Ok,M
3	VY1011SBL01	VY019863.D	11 Oct 2024 10:42	SY/MD	Ok
4	VY1011SBS01	VY019864.D	11 Oct 2024 11:14	SY/MD	Ok,M
5	VY1011SBSD01	VY019865.D	11 Oct 2024 11:37	SY/MD	Ok,M
6	P4368-03 2.5 PPB	VY019866.D	11 Oct 2024 12:19	SY/MD	Ok,M
7	P4368-03 4 PPB	VY019867.D	11 Oct 2024 12:42	SY/MD	Ok,M
8	P4376-01	VY019868.D	11 Oct 2024 13:51	SY/MD	ReRun
9	P4377-01	VY019869.D	11 Oct 2024 14:14	SY/MD	Not Ok
10	P4385-01	VY019870.D	11 Oct 2024 14:37	SY/MD	Ok
11	P4385-03	VY019871.D	11 Oct 2024 15:01	SY/MD	Ok
12	P4385-05	VY019872.D	11 Oct 2024 15:24	SY/MD	Ok
13	P4385-07	VY019873.D	11 Oct 2024 15:48	SY/MD	Ok
14	P4385-09	VY019874.D	11 Oct 2024 16:11	SY/MD	Ok
15	P4385-11	VY019875.D	11 Oct 2024 16:34	SY/MD	ReRun
16	P4385-13	VY019876.D	11 Oct 2024 16:58	SY/MD	ReRun
17	P4385-15	VY019877.D	11 Oct 2024 17:21	SY/MD	Ok
18	P4385-17	VY019878.D	11 Oct 2024 17:45	SY/MD	Ok
19	P4385-19	VY019879.D	11 Oct 2024 18:08	SY/MD	Ok
20	VSTDCCC050	VY019880.D	11 Oct 2024 18:31	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY101424

Review By	Mahesh Dadoda	Review On	10/15/2024 1:20:02 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/15/2024 1:22:47 PM		
SubDirectory	VY101424	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP130858			
CCC		VP130860,VP130861			
Internal Standard/PEM		VP128297			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019881.D	14 Oct 2024 09:19	SY/MD	Ok
2	VSTDCCC050	VY019882.D	14 Oct 2024 09:52	SY/MD	Ok,M
3	VY1014SBL01	VY019883.D	14 Oct 2024 10:31	SY/MD	Ok
4	VY1014SBS01	VY019884.D	14 Oct 2024 11:56	SY/MD	Ok,M
5	VY1014SBSD01	VY019885.D	14 Oct 2024 12:18	SY/MD	Ok,M
6	P4377-01	VY019886.D	14 Oct 2024 12:58	SY/MD	Not Ok
7	P4385-11	VY019887.D	14 Oct 2024 13:21	SY/MD	Ok
8	P4385-13	VY019888.D	14 Oct 2024 13:45	SY/MD	Ok
9	P4397-02	VY019889.D	14 Oct 2024 14:08	SY/MD	Ok
10	P4397-01	VY019890.D	14 Oct 2024 14:31	SY/MD	Ok
11	P4376-01RE	VY019891.D	14 Oct 2024 14:55	SY/MD	Confirms
12	P4403-01	VY019892.D	14 Oct 2024 15:22	SY/MD	Ok
13	P4395-01	VY019893.D	14 Oct 2024 16:27	SY/MD	Not Ok
14	VSTDCCC050	VY019894.D	14 Oct 2024 16:50	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y HP Processing Method 82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019826.D	09 Oct 2024 09:33		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY019827.D	09 Oct 2024 10:18		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY019828.D	09 Oct 2024 10:41		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY019829.D	09 Oct 2024 11:04		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	Comp. #11 is on Linear Regression	SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY019831.D	09 Oct 2024 11:49		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY019832.D	09 Oct 2024 12:11		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019833.D	09 Oct 2024 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY100924	VY019834.D	09 Oct 2024 15:25		SY/MD	Ok,M
10	VY1009SBL01	VY1009SBL01	VY019835.D	09 Oct 2024 16:11		SY/MD	Ok
11	VY1009SBS01	VY1009SBS01	VY019836.D	09 Oct 2024 16:41		SY/MD	Ok,M
12	VY1009SBSD01	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04		SY/MD	Ok,M
13	P4343-01	EO-03-100724	VY019838.D	09 Oct 2024 17:27	vial-B Not purged	SY/MD	Not Ok
14	P4353-02	CF-400-VOC-43	VY019839.D	09 Oct 2024 17:51	vial-A	SY/MD	Ok
15	P4359-01	EXCAVATION-SOIL	VY019840.D	09 Oct 2024 18:14	vial-A	SY/MD	Ok
16	P4344-01	TR-05-100724	VY019841.D	09 Oct 2024 18:38	vial-B	SY/MD	Ok
17	VSTDCC050	VSTDCC050EC	VY019842.D	09 Oct 2024 19:00		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY101124

Review By	Maresh Dadoda	Review On	10/14/2024 6:44:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/14/2024 6:46:54 PM
SubDirectory	VY101124	HP Acquire Method	MSVOA_Y HP Processing Method 82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP130814
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP130815,VP130816,MDL-VP130870VP130869, VP128297

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019861.D	11 Oct 2024 08:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019862.D	11 Oct 2024 10:11		SY/MD	Ok,M
3	VY1011SBL01	VY1011SBL01	VY019863.D	11 Oct 2024 10:42		SY/MD	Ok
4	VY1011SBS01	VY1011SBS01	VY019864.D	11 Oct 2024 11:14		SY/MD	Ok,M
5	VY1011SBSD01	VY1011SBSD01	VY019865.D	11 Oct 2024 11:37		SY/MD	Ok,M
6	P4368-03 2.5 PPB	MDL-SOIL-03-QT4-202	VY019866.D	11 Oct 2024 12:19		SY/MD	Ok,M
7	P4368-03 4 PPB	MDL-SOIL-03-QT4-202	VY019867.D	11 Oct 2024 12:42		SY/MD	Ok,M
8	P4376-01	OR-02-100924	VY019868.D	11 Oct 2024 13:51	vial-A Internal Standard Fail	SY/MD	ReRun
9	P4377-01	HD-01-100924	VY019869.D	11 Oct 2024 14:14	vial-A NOT PURGE	SY/MD	Not Ok
10	P4385-01	SP-1	VY019870.D	11 Oct 2024 14:37	vial-A	SY/MD	Ok
11	P4385-03	SP-2	VY019871.D	11 Oct 2024 15:01	vial-A	SY/MD	Ok
12	P4385-05	SP-3	VY019872.D	11 Oct 2024 15:24	vial-A	SY/MD	Ok
13	P4385-07	SP-4	VY019873.D	11 Oct 2024 15:48	vial-A	SY/MD	Ok
14	P4385-09	SP-5	VY019874.D	11 Oct 2024 16:11	vial-A	SY/MD	Ok
15	P4385-11	SP-6	VY019875.D	11 Oct 2024 16:34	vial-A Internal Standard Fail	SY/MD	ReRun
16	P4385-13	SP-7	VY019876.D	11 Oct 2024 16:58	vial-A Internal Standard Fail	SY/MD	ReRun
17	P4385-15	SP-8	VY019877.D	11 Oct 2024 17:21	vial-A	SY/MD	Ok
18	P4385-17	SP-9	VY019878.D	11 Oct 2024 17:45	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY101124

Review By	Mahesh Dadoda	Review On	10/14/2024 6:44:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/14/2024 6:46:54 PM		
SubDirectory	VY101124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP130814
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP130815,VP130816,MDL-VP130870VP130869, VP128297

19	P4385-19	SP-10	VY019879.D	11 Oct 2024 18:08	vial-A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY019880.D	11 Oct 2024 18:31		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY101424

Review By	Maresh Dadoda	Review On	10/15/2024 1:20:02 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/15/2024 1:22:47 PM
SubDirectory	VY101424	HP Acquire Method	MSVOA_Y HP Processing Method 82y100924s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP130858		
CCC	VP130860,VP130861		
Internal Standard/PEM	VP128297		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019881.D	14 Oct 2024 09:19		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019882.D	14 Oct 2024 09:52		SY/MD	Ok,M
3	VY1014SBL01	VY1014SBL01	VY019883.D	14 Oct 2024 10:31		SY/MD	Ok
4	VY1014SBS01	VY1014SBS01	VY019884.D	14 Oct 2024 11:56		SY/MD	Ok,M
5	VY1014SBSD01	VY1014SBSD01	VY019885.D	14 Oct 2024 12:18		SY/MD	Ok,M
6	P4377-01	HD-01-100924	VY019886.D	14 Oct 2024 12:58	vial-B Not purged	SY/MD	Not Ok
7	P4385-11	SP-6	VY019887.D	14 Oct 2024 13:21	vial-B	SY/MD	Ok
8	P4385-13	SP-7	VY019888.D	14 Oct 2024 13:45	vial-B	SY/MD	Ok
9	P4397-02	WB-301-BOT	VY019889.D	14 Oct 2024 14:08	vial-A	SY/MD	Ok
10	P4397-01	WB-301-TOP	VY019890.D	14 Oct 2024 14:31	vial-A	SY/MD	Ok
11	P4376-01RE	OR-02-100924RE	VY019891.D	14 Oct 2024 14:55	vial-B Internal standard fail	SY/MD	Confirms
12	P4403-01	Hawthorne TP Soil	VY019892.D	14 Oct 2024 15:22	vial-A	SY/MD	Ok
13	P4395-01	F05308-SOLID	VY019893.D	14 Oct 2024 16:27	vial-A Not purged	SY/MD	Not Ok
14	VSTDCCC050	VSTDCCC050EC	VY019894.D	14 Oct 2024 16:50		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/10/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:18
Out Date: 10/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132870

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
P4375-01	CONCRETE-PADS-1	1	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-03	CONCRETE-PADS-2	2	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-05	CONCRETE-PADS-3	3	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-07	CONCRETE-PADS-4	4	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-09	CONCRETE-PADS-5	5	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-11	CONCRETE-PADS-6	6	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-13	CONCRETE-PADS-7	7	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-15	CONCRETE-PADS-8	8	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-17	CONCRETE-PADS-9	9	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-19	CONCRETE-PADS-10	10	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-21	CONCRETE-PADS-11	11	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-23	FENCE-POST-1	12	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-25	FENCE-POST-2	13	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-27	FENCE-POST-3	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4376-01	OR-02-100924	15	1.18	8.51	9.69	9.25	94.8	
P4376-02	OR-02-100924-E2	16	1.18	8.51	9.69	9.07	92.7	
P4377-01	HD-01-100924	17	1.17	8.53	9.7	8.9	90.6	
P4377-02	HD-01-100924-E2	18	1.15	8.83	9.98	9.03	89.2	
P4381-01	AT030P-SD04-100724-00	19	1.15	8.79	9.94	4.03	32.8	
P4381-02	AT030P-SD01-100724-00	20	1.15	8.70	9.85	8.44	83.8	
P4381-03	AT030P-SD02-100724-00	21	1.16	8.51	9.67	3.62	28.9	
P4383-01	34828	22	1.00	1.00	2.00	2.00	100.0	wipe sample
P4383-02	34829	23	1.00	1.00	2.00	2.00	100.0	wipe sample
P4383-03	34830	24	1.00	1.00	2.00	2.00	100.0	wipe sample
P4385-01	SP-1	25	1.17	8.60	9.77	9.15	92.8	
P4385-02	SP-1	26	1.14	8.48	9.62	9.06	93.4	
P4385-03	SP-2	27	1.15	8.41	9.56	9.09	94.4	
P4385-04	SP-2	28	1.18	8.39	9.57	9.15	95.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/10/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:18
Out Date: 10/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132870

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
P4385-05	SP-3	29	1.18	8.50	9.68	9.35	96.1	
P4385-06	SP-3	30	1.15	8.64	9.79	9.28	94.1	
P4385-07	SP-4	31	1.14	8.43	9.57	9.44	98.5	
P4385-08	SP-4	32	1.19	8.44	9.63	9.55	99.1	
P4385-09	SP-5	33	1.15	8.68	9.83	9.28	93.7	
P4385-10	SP-5	34	1.15	8.51	9.66	9.1	93.4	
P4385-11	SP-6	35	1.14	8.44	9.58	9.04	93.6	
P4385-12	SP-6	36	1.17	8.53	9.7	9.1	93.0	
P4385-13	SP-7	37	1.12	8.73	9.85	9.31	93.8	
P4385-14	SP-7	38	1.18	8.77	9.95	9.41	93.8	
P4385-15	SP-8	39	1.18	8.62	9.8	9.32	94.4	
P4385-16	SP-8	40	1.17	8.46	9.63	9.15	94.3	
P4385-17	SP-9	41	1.15	8.61	9.76	9.19	93.4	
P4385-18	SP-9	42	1.18	8.53	9.71	9.15	93.4	
P4385-19	SP-10	43	1.19	8.53	9.72	9.18	93.7	
P4385-20	SP-10	44	1.18	8.55	9.73	9.25	94.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4375-01	CONCRETE-PADS-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-03	CONCRETE-PADS-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-05	CONCRETE-PADS-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-07	CONCRETE-PADS-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-09	CONCRETE-PADS-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-11	CONCRETE-PADS-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-13	CONCRETE-PADS-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-15	CONCRETE-PADS-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-17	CONCRETE-PADS-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-19	CONCRETE-PADS-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-21	CONCRETE-PADS-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-23	FENCE-POST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-25	FENCE-POST-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-27	FENCE-POST-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4376-01	OR-02-100924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4376-02	OR-02-100924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4377-01	HD-01-100924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4377-02	HD-01-100924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4381-01	AT030P-SD04-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO
P4381-02	AT030P-SD01-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO
P4381-03	AT030P-SD02-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO

Date/Time 10/10/24 15:30
 Raw Sample Received by: JDCSM
 Raw Sample Relinquished by: JDCSM
 Date/Time 10/10/24 17:20
 Raw Sample Received by: JDCSM
 Raw Sample Relinquished by: JDCSM

WORKLIST(Hardcopy Internal Chain)

132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4383-01	34828	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4383-02	34829	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4383-03	34830	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4385-01	SP-1	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-02	SP-1	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-03	SP-2	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-04	SP-2	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-05	SP-3	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-06	SP-3	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-07	SP-4	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-08	SP-4	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-09	SP-5	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-10	SP-5	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-11	SP-6	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-12	SP-6	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-13	SP-7	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-14	SP-7	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-15	SP-8	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-16	SP-8	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-17	SP-9	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-18	SP-9	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO

Date/Time 10/10/24 15:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/10/24 17:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

✓ 132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4385-19	SP-10	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-20	SP-10	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO

Date/Time 10/10/24 15:30
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: JDCSM

Date/Time 10/10/24 17:20
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: JDCSM



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

P4385
2042012

CLIENT INFORMATION

COMPANY: ~~PSEG~~ ^{REPORT TO BE SENT TO:} Scheideler Excavating

ADDRESS: Briar Way

CITY: Monroe STATE: NJ ZIP:

ATTENTION: Jim Scheideler

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Scheideler Excavating

PROJECT NO.: LOCATION:

PROJECT MANAGER: Jim Scheideler

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 _____

1 TCL VOC 2 Cyanide 3 PCB 4 Pesticide 5 SVOC-TA BNA 20 6 Herbicide 7 Hex Chrom 8 Tri Chrom 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/P	E	E	E	E	E	E	E	E	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	SP-1	Soil		X	10.10.24	1111	4	X									0.0ppm	
2.	SP-1		X			1115	3		X	X	X	X	X	X	X	X		
3.	SP-2			X		1124	4	X										
4.	SP-2		X			1130	3		X	X	X	X	X	X	X	X		
5.	SP-3			X		1142	4	X										
6.	SP-3		X			1150	3		X	X	X	X	X	X	X	X		
7.	SP-4			X		1159	4	X										
8.	SP-4		X			1207	3		X	X	X	X	X	X	X	X		
9.	SP-5			X		1216	4	X										
10.	SP-5		X			1222	3		X	X	X	X	X	X	X	X		

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 1335 10.10.24	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.6 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1500 10.10.24	RECEIVED BY: 3. [Signature]	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

P4385

2042011

CLIENT INFORMATION

COMPANY: Scheideler Excavating

ADDRESS: Briar Way

CITY: Monroe STATE: NJ ZIP:

ATTENTION: Jim Scheideler

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Scheideler Excavating

PROJECT NO.: LOCATION:

PROJECT MANAGER: Jim Scheideler

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 _____

1 TCL VOC
2 Cyanide
3 PCB
4 Pesticide
5 SVOC-TCL BWA 20
6 Herbicide
7 Hex chrom
8 Tri chrom
9

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/P	E	E	E	E	E	E	E	E	
1.	SP-6	soil		x	10/10/24	1230	4	x									0.0 ppm
2.	SP-6		x			1238	3		x	x	x	x	x	x	x	x	
3.	SP-7			x		1249	4	x									
4.	SP-7		x			1255	3		x	x	x	x	x	x	x	x	
5.	SP-8			x		1303	4	x									
6.	SP-8		x			1310	3		x	x	x	x	x	x	x	x	
7.	SP-9			x		1318	4	x									
8.	SP-9		x			1323	3		x	x	x	x	x	x	x	x	
9.	SP-10			x		1330	4	x									
10.	SP-10		x			1335	3		x	x	x	x	x	x	x	x	

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 1335 10.10.24	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1500 10.10.24	RECEIVED BY: 3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Scheideles
Excavating

Chemtech Order ID: _____

Sampler Name: IT

Client Project Coordinator & Phone: Jim Scheideles

Page #: 1 of 1

Date: 10.10.24

Arrive Time: 1100

Depart Time: 01335

Service Order #: _____

Work Order #: _____

Labor WBS #: _____

Facility/Site: Briar Way

Site Address: Briar Way

Marroe Township NJ

Waste Stream (circle one): drum / roll-off / Soil pile in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: NA

Temp (range): 3.6 °C PID Readings (range): 0.0 PPM Dimensions/CY: 150x80x18 ~ 8000 CY

Sample Description: Sandy soil, Hard Rock soil Odor: Y (N) Color: Y (N)

Field Observations: 1 Large soil pile

Grid/Area Composite Map:

QA Control # A3041134

← Halsey Reed Rd

Height varied - Averaged to ~18ft

Free of vegetation

Covered in vegetation

Camp 1

Removed vegetation with excavator.

150ft

80ft

9

10

8

7

6

4

5

3

2

Sampler Signature: IT

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4385 SCHE03

Order Date : 10/10/2024 2:00:00 PM

Project Mgr :

Client Name : Scheideler Excavating Co. I

Project Name : Robbinsville

Report Type : Level 2

Client Contact : Jim Scheideler

Receive DateTime : 10/10/2024 12:00:00 AM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Scheideler Excavating Co. I

Purchase Order :

Hard Copy Date :

Invoice Contact : Jim Scheideler

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4385-01	SP-1	Solid	10/10/2024	11:11	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-03	SP-2	Solid	10/10/2024	11:24	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-05	SP-3	Solid	10/10/2024	11:42	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-07	SP-4	Solid	10/10/2024	11:59	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-09	SP-5	Solid	10/10/2024	12:16	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-11	SP-6	Solid	10/10/2024	12:30	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-13	SP-7	Solid	10/10/2024	12:49	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-15	SP-8	Solid	10/10/2024	13:03	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4385	SCHE03	Order Date : 10/10/2024 2:00:00 PM	Project Mgr :
Client Name : Scheideler Excavating Co. I		Project Name : Robbinsville	Report Type : Level 2
Client Contact : Jim Scheideler		Receive DateTime : 10/10/2024 12:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Scheideler Excavating Co. I		Purchase Order : 15:00	Hard Copy Date :
Invoice Contact : Jim Scheideler			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4385-17	SP-9	Solid	10/10/2024	13:18	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4385-19	SP-10	Solid	10/10/2024	13:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : JT

Date / Time : 10/10/24 1515

Received By : Sam

Date / Time : 10/10/24 15:15

Storage Area : VOA Refridgerator Room