

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

LAB CHRONICLE

OrderID: Q2018	OrderDate: 5/12/2025 1:20:00 PM
Client: G Environmental	Project: Hillside
Contact: Gary Landis	Location: L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2018-04	MW2	Water	VOCMS Group1	8260-Low	05/12/25		05/13/25	05/12/25
Q2018-04DL	MW2DL	Water	VOCMS Group1	8260-Low	05/12/25		05/14/25	05/12/25
Q2018-05	MW3	Water	VOCMS Group1	8260-Low	05/12/25		05/13/25	05/12/25
Q2018-06	FB	Water	VOCMS Group1	8260-Low	05/12/25		05/15/25	05/12/25

Hit Summary Sheet
SW-846

SDG No.: Q2018
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW2							
Q2018-04	MW2	Water	Tert butyl alcohol	9300	E	5.50	25.0	ug/L
Q2018-04	MW2	Water	Acetone	21.0		1.50	5.00	ug/L
Q2018-04	MW2	Water	2-Butanone	6.40		0.98	5.00	ug/L
Q2018-04	MW2	Water	Benzene	55.6		0.15	1.00	ug/L
Q2018-04	MW2	Water	Toluene	1.40		0.14	1.00	ug/L
Q2018-04	MW2	Water	Tetrachloroethene	0.51	J	0.23	1.00	ug/L
Q2018-04	MW2	Water	Ethyl Benzene	1.20		0.13	1.00	ug/L
Q2018-04	MW2	Water	m/p-Xylenes	1.60	J	0.24	2.00	ug/L
Q2018-04	MW2	Water	o-Xylene	0.38	J	0.12	1.00	ug/L
			Total Voc :			9390		
Q2018-04	MW2	Water	Butane, 2-methyl-	* 190	J	0	0	ug/L
Q2018-04	MW2	Water	Butane, 2,3-dimethyl-	* 210	J	0	0	ug/L
Q2018-04	MW2	Water	Pentane, 3-methyl-	* 170	J	0	0	ug/L
Q2018-04	MW2	Water	Cyclopentane, methyl-	* 88.0	J	0	0	ug/L
Q2018-04	MW2	Water	unknown2.819	* 64.0	J	0	0	ug/L
Q2018-04	MW2	Water	Pentane, 2,4-dimethyl-	* 55.9	J	0	0	ug/L
Q2018-04	MW2	Water	Benzene, 1,2,3,5-tetramethyl-	* 74.9	J	0	0	ug/L
Q2018-04	MW2	Water	Pentane, 2,3,3-trimethyl-	* 200	J	0	0	ug/L
Q2018-04	MW2	Water	Pentane, 2,3-dimethyl-	* 100	J	0	0	ug/L
Q2018-04	MW2	Water	Pentane, 2,3,4-trimethyl-	* 120	J	0	0	ug/L
Q2018-04	MW2	Water	Butane, 2,2,3,3-tetramethyl-	* 190	J	0	0	ug/L
Q2018-04	MW2	Water	Benzene, 1-ethenyl-2-methyl-	* 220	J	0	0	ug/L
Q2018-04	MW2	Water	Benzene, (2-methyl-1-propenyl	* 68.8	J	0	0	ug/L
Q2018-04	MW2	Water	1-Phenyl-1-butene	* 57.3	J	0	0	ug/L
Q2018-04	MW2	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 42.7	J	0	0	ug/L
Q2018-04	MW2	Water	Cyclohexane	* 14.5	J	1.50	5.00	ug/L
Q2018-04	MW2	Water	Methylcyclohexane	* 14.1	J	0.16	1.00	ug/L
Q2018-04	MW2	Water	Isopropylbenzene	* 68.2	J	0.12	1.00	ug/L
Q2018-04	MW2	Water	n-propylbenzene	* 160	J	0.13	1.00	ug/L
Q2018-04	MW2	Water	tert-Butylbenzene	* 0.86	J	0.14	1.00	ug/L
Q2018-04	MW2	Water	sec-Butylbenzene	* 14.2	J	0.13	1.00	ug/L
Q2018-04	MW2	Water	n-Butylbenzene	* 17.3	J	0.15	1.00	ug/L
Q2018-04	MW2	Water	Naphthalene	* 2.80	J	0.20	1.00	ug/L
			Total Tics :			2140		
			Total Concentration:			11500		
Client ID:	MW2DL							

Hit Summary Sheet
SW-846

SDG No.: Q2018

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2018-04DL	MW2DL	Water	Tert butyl alcohol	7300	D	220	1000	ug/L
Q2018-04DL	MW2DL	Water	Benzene	51.5	D	6.00	40.0	ug/L
Total Voc :				7350				
Total Concentration:				7350				
Client ID:	MW3							
Q2018-05	MW3	Water	Tert butyl alcohol	140		5.50	25.0	ug/L
Q2018-05	MW3	Water	Acetone	8.30		1.50	5.00	ug/L
Q2018-05	MW3	Water	Methyl tert-butyl Ether	0.74	J	0.16	1.00	ug/L
Total Voc :				149				
Q2018-05	MW3	Water	Benzene, 1,2,4,5-tetramethyl-	* 11.2	J	0	0	ug/L
Q2018-05	MW3	Water	Benzene, 1,2-diethyl-	* 6.80	J	0	0	ug/L
Q2018-05	MW3	Water	Pentane, 2,3,3-trimethyl-	* 41.5	J	0	0	ug/L
Q2018-05	MW3	Water	Pentane, 2,3,4-trimethyl-	* 20.6	J	0	0	ug/L
Q2018-05	MW3	Water	Benzene, 1,2-bis(1-methylethyl)	* 5.20	J	0	0	ug/L
Q2018-05	MW3	Water	2-Pentanone, 4,4-dimethyl-	* 8.60	J	0	0	ug/L
Q2018-05	MW3	Water	Hexane, 2,2-dimethyl-	* 23.7	J	0	0	ug/L
Q2018-05	MW3	Water	2-Butanol, 2,3-dimethyl-	* 83.9	J	0	0	ug/L
Q2018-05	MW3	Water	Benzene, pentamethyl-	* 7.30	J	0	0	ug/L
Q2018-05	MW3	Water	unknown9.445	* 15.6	J	0	0	ug/L
Q2018-05	MW3	Water	3,4-Dimethyl-2-pentanone	* 7.60	J	0	0	ug/L
Q2018-05	MW3	Water	Isopropylbenzene	* 3.50	J	0.12	1.00	ug/L
Q2018-05	MW3	Water	n-propylbenzene	* 0.63	J	0.13	1.00	ug/L
Q2018-05	MW3	Water	tert-Butylbenzene	* 1.30	J	0.14	1.00	ug/L
Q2018-05	MW3	Water	Naphthalene	* 1.50	J	0.20	1.00	ug/L
Total Tics :				239				
Total Concentration:				388				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2018**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2018-04	MW2	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108	70 (77)	130 (121)
Q2018-04DL	MW2DL	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
Q2018-05	MW3	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.4	107	70 (77)	130 (121)
Q2018-06	FB	1,2-Dichloroethane-d4	50	56.0	112	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)
VX0513WBL01	VX0513WBL01	1,2-Dichloroethane-d4	50	53.8	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)
VX0513WBS01	VX0513WBS01	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99	70 (77)	130 (121)
VX0513WBSD0	VX0513WBSD01	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.9	104	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VX0514WBL01	VX0514WBL01	1,2-Dichloroethane-d4	50	53.7	107	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.1	102	70 (77)	130 (121)
VX0514WBS01	VX0514WBS01	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)
VX0515WBL01	VX0515WBL01	1,2-Dichloroethane-d4	50	54.2	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	50.2	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)
VX0515WBS01	VX0515WBS01	1,2-Dichloroethane-d4	50	50.7	101	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2018

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0513WBS01	Chloromethane	20	20.0	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	19.1	ug/L	96			40 (58)	160 (125)	
	Chloroethane	20	21.0	ug/L	105			40 (56)	160 (128)	
	Tert butyl alcohol	100	100	ug/L	100			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	Acetone	100	99.7	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	17.6	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methylene Chloride	20	18.9	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.7	ug/L	104			70 (78)	130 (112)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.4	ug/L	97			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			70 (77)	130 (110)	
	Chloroform	20	21.0	ug/L	105			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Benzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.2	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.1	ug/L	101			70 (83)	130 (111)	
	Bromodichloromethane	20	20.2	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	99.5	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.8	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.0	ug/L	95			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	19.9	ug/L	100			70 (82)	130 (110)	
	Tetrachloroethene	20	20.1	ug/L	101			70 (67)	130 (123)	
	Chlorobenzene	20	19.7	ug/L	99			70 (82)	130 (109)	
	Ethyl Benzene	20	19.5	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	38.9	ug/L	97			70 (82)	130 (110)	
	o-Xylene	20	19.6	ug/L	98			70 (83)	130 (109)	
	Styrene	20	20.1	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	19.2	ug/L	96			70 (79)	130 (109)	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100			70 (76)	130 (118)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2018

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046159.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0513WBSD01	Chloromethane	20	18.9	ug/L	95	5		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.1	ug/L	91	4		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.6	ug/L	93	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.3	ug/L	97	8		40 (56)	160 (128)	20 (20)
	Tert butyl alcohol	100	110	ug/L	110	10		70 (73)	130 (124)	20 (20)
	1,1-Dichloroethene	20	18.8	ug/L	94	1		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.0	ug/L	85	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.3	ug/L	102	2		70 (78)	130 (114)	20 (20)
	Methylene Chloride	20	18.9	ug/L	95	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	2		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.0	ug/L	100	4		70 (78)	130 (112)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	3		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	0		70 (77)	130 (110)	20 (20)
	Chloroform	20	20.4	ug/L	102	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.4	ug/L	97	4		70 (80)	130 (108)	20 (20)
	Benzene	20	19.8	ug/L	99	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.0	ug/L	100	5		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.7	ug/L	104	3		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.9	ug/L	104	3		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		40 (74)	160 (118)	20 (20)
	Toluene	20	20.0	ug/L	100	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.9	ug/L	100	5		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	4		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.7	ug/L	109	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	10		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.3	ug/L	106	6		70 (82)	130 (110)	20 (20)
	Tetrachloroethene	20	19.7	ug/L	99	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.2	ug/L	96	3		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.5	ug/L	98	0		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	39.3	ug/L	98	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.8	ug/L	99	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.4	ug/L	102	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	18.8	ug/L	94	2		70 (79)	130 (109)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	2		70 (76)	130 (118)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2018

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0514WBS01	Chloromethane	20	19.3	ug/L	97			40 (65)	160 (116)	
	Vinyl chloride	20	18.8	ug/L	94			70 (65)	130 (117)	
	Bromomethane	20	18.1	ug/L	91			40 (58)	160 (125)	
	Chloroethane	20	21.6	ug/L	108			40 (56)	160 (128)	
	Tert butyl alcohol	100	100	ug/L	100			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	Acetone	100	99.9	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	16.6	ug/L	83			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			70 (78)	130 (114)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.0	ug/L	100			70 (78)	130 (112)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.3	ug/L	97			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			70 (77)	130 (110)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.1	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	18.9	ug/L	95			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.4	ug/L	102			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.5	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	19.7	ug/L	99			70 (82)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	39.2	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	19.5	ug/L	98			70 (83)	130 (109)	
	Styrene	20	20.0	ug/L	100			70 (80)	130 (111)	
	Bromoform	20	18.6	ug/L	93			70 (79)	130 (109)	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			70 (76)	130 (118)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2018

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046206.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0515WBS01	Chloromethane	20	19.5	ug/L	98			40 (65)	160 (116)	
	Vinyl chloride	20	19.1	ug/L	96			70 (65)	130 (117)	
	Bromomethane	20	18.9	ug/L	95			40 (58)	160 (125)	
	Chloroethane	20	22.5	ug/L	113			40 (56)	160 (128)	
	Tert butyl alcohol	100	100	ug/L	100			70 (73)	130 (124)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	16.7	ug/L	84			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methylene Chloride	20	19.0	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.5	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.2	ug/L	101			70 (77)	130 (110)	
	Chloroform	20	21.0	ug/L	105			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Benzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	19.3	ug/L	97			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.9	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	20.6	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.0	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.7	ug/L	104			70 (82)	130 (110)	
	Tetrachloroethene	20	19.5	ug/L	98			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.8	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.4	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.3	ug/L	102			70 (83)	130 (109)	
	Styrene	20	20.5	ug/L	103			70 (80)	130 (111)	
	Bromoform	20	19.1	ug/L	96			70 (79)	130 (109)	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			70 (76)	130 (118)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0513WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2018

SAS No.: Q2018 SDG NO.: Q2018

Lab File ID: VX046155.D

Lab Sample ID: VX0513WBL01

Date Analyzed: 05/13/2025

Time Analyzed: 10:52

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0513WBS01	VX0513WBS01	VX046158.D	05/13/2025
VX0513WBSD01	VX0513WBSD01	VX046159.D	05/13/2025
MW2	Q2018-04	VX046177.D	05/13/2025
MW3	Q2018-05	VX046178.D	05/13/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0514WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2018

SAS No.: Q2018 SDG NO.: Q2018

Lab File ID: VX046183.D

Lab Sample ID: VX0514WBL01

Date Analyzed: 05/14/2025

Time Analyzed: 10:50

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025
MW2DL	Q2018-04DL	VX046193.D	05/14/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0515WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2018

SAS No.: Q2018 SDG NO.: Q2018

Lab File ID: VX046202.D

Lab Sample ID: VX0515WBL01

Date Analyzed: 05/15/2025

Time Analyzed: 10:38

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FB	Q2018-06	VX046203.D	05/15/2025
VX0515WBS01	VX0515WBS01	VX046206.D	05/15/2025

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDIC020	VSTDIC020	VX046041.D	05/05/2025	11:35
VSTDIC050	VSTDIC050	VX046042.D	05/05/2025	11:58
VSTDIC100	VSTDIC100	VX046043.D	05/05/2025	12:21
VSTDIC150	VSTDIC150	VX046044.D	05/05/2025	12:45
VSTDIC005	VSTDIC005	VX046046.D	05/05/2025	16:04
VSTDIC001	VSTDIC001	VX046047.D	05/05/2025	16:27



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046152.D BFB Injection Date: 05/13/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:29
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	58.5
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 (1.3) 1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	4.8 (7) 1
176	95.0 - 101.0% of mass 174	66.3 (96.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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	VX046153.D	05/13/2025	10:00
VX0513WBL01	VX0513WBL01	VX046155.D	05/13/2025	10:52
VX0513WBS01	VX0513WBS01	VX046158.D	05/13/2025	12:02
VX0513WBSD01	VX0513WBSD01	VX046159.D	05/13/2025	12:28
MW2	Q2018-04	VX046177.D	05/13/2025	19:28
MW3	Q2018-05	VX046178.D	05/13/2025	19:52



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046180.D BFB Injection Date: 05/14/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:29
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 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	VX046181.D	05/14/2025	09:59
VX0514WBL01	VX0514WBL01	VX046183.D	05/14/2025	10:50
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025	12:46
MW2DL	Q2018-04DL	VX046193.D	05/14/2025	14:45



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046199.D BFB Injection Date: 05/15/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.9
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	5.3 (7.8) 1
176	95.0 - 101.0% of mass 174	65.6 (97.2) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 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	VX046200.D	05/15/2025	09:52
VX0515WBL01	VX0515WBL01	VX046202.D	05/15/2025	10:38
FB	Q2018-06	VX046203.D	05/15/2025	11:01
VX0515WBS01	VX0515WBS01	VX046206.D	05/15/2025	12:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046153.D Date Analyzed: 05/13/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	98502	5.54	167387	6.75	146749	10.05
UPPER LIMIT	197004	6.043	334774	7.25	293498	10.549
LOWER LIMIT	49251	5.043	83693.5	6.25	73374.5	9.549
EPA SAMPLE NO.						
MW2	68362	5.55	136439	6.76	128432	10.06
MW3	66235	5.55	131355	6.76	123435	10.05
VX0513WBL01	67277	5.55	133345	6.76	124650	10.05
VX0513WBS01	89387	5.54	160585	6.76	139963	10.06
VX0513WBSD01	85900	5.54	148923	6.76	132995	10.05

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: GENV01
 Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
 Lab File ID: VX046153.D Date Analyzed: 05/13/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:00
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	70437	12.018				
UPPER LIMIT	140874	12.518				
LOWER LIMIT	35218.5	11.518				
EPA SAMPLE NO.						
MW2	58317	12.02				
MW3	53587	12.02				
VX0513WBL01	52712	12.02				
VX0513WBS01	64268	12.02				
VX0513WBSD01	62827	12.02				

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: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046181.D Date Analyzed: 05/14/2025
Instrument ID: MSVOA_X Time Analyzed: 09:59
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92522	5.54	155707	6.76	140519	10.05
UPPER LIMIT	185044	6.043	311414	7.257	281038	10.549
LOWER LIMIT	46261	5.043	77853.5	6.257	70259.5	9.549
EPA SAMPLE NO.						
MW2DL	71196	5.55	139917	6.76	132344	10.06
VX0514WBL01	66143	5.55	133003	6.76	124085	10.05
VX0514WBS01	87880	5.55	155746	6.76	138245	10.05

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: GENV01
 Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
 Lab File ID: VX046181.D Date Analyzed: 05/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:59
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65751	12.018				
UPPER LIMIT	131502	12.518				
LOWER LIMIT	32875.5	11.518				
EPA SAMPLE NO.						
MW2DL	59001	12.02				
VX0514WBL01	54666	12.02				
VX0514WBS01	63286	12.02				

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: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
Lab File ID: VX046200.D Date Analyzed: 05/15/2025
Instrument ID: MSVOA_X Time Analyzed: 09:52
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	79845	5.54	140483	6.75	127630	10.05
UPPER LIMIT	159690	6.044	280966	7.251	255260	10.549
LOWER LIMIT	39922.5	5.044	70241.5	6.251	63815	9.549
EPA SAMPLE NO.						
FB	63676	5.54	130694	6.76	122640	10.05
VX0515WBL01	65765	5.54	130899	6.76	122283	10.05
VX0515WBS01	89041	5.54	157824	6.76	139362	10.05

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: GENV01
 Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG NO.: Q2018
 Lab File ID: VX046200.D Date Analyzed: 05/15/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:52
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	62876	12.018				
UPPER LIMIT	125752	12.518				
LOWER LIMIT	31438	11.518				
EPA SAMPLE NO.						
FB	52530	12.02				
VX0515WBL01	51360	12.02				
VX0515WBS01	65777	12.02				

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:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	MW2	SDG No.:	Q2018
Lab Sample ID:	Q2018-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046177.D	1		05/13/25 19:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	9300	E	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	21.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	6.40		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	55.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	1.40		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.51	J	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	MW2	SDG No.:	Q2018
Lab Sample ID:	Q2018-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046177.D	1		05/13/25 19:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.20		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	1.60	J	0.24	2.00	ug/L
95-47-6	o-Xylene	0.38	J	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68400	5.55			
540-36-3	1,4-Difluorobenzene	136000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	58300	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
000078-78-4	Butane, 2-methyl-	190	J		1.73	ug/L
000079-29-8	Butane, 2,3-dimethyl-	210	J		2.77	ug/L
000107-83-5	unknown2.819	64.0	J		2.82	ug/L
000096-14-0	Pentane, 3-methyl-	170	J		3.09	ug/L
000108-08-7	Pentane, 2,4-dimethyl-	55.9	J		4.20	ug/L
000096-37-7	Cyclopentane, methyl-	88.0	J		4.29	ug/L
110-82-7	Cyclohexane	14.5	J		5.48	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	100	J		5.61	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	190	J		6.25	ug/L
108-87-2	Methylcyclohexane	14.1	J		7.37	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	120	J		7.98	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	200	J		8.10	ug/L
98-82-8	Isopropylbenzene	68.2	J		11.0	ug/L
103-65-1	n-propylbenzene	160	J		11.3	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	MW2	SDG No.:	Q2018
Lab Sample ID:	Q2018-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046177.D	1		05/13/25 19:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-06-6	tert-Butylbenzene	0.86	J		11.7	ug/L
135-98-8	sec-Butylbenzene	14.2	J		11.9	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	220	J		12.2	ug/L
104-51-8	n-Butylbenzene	17.3	J		12.3	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	42.7	J		12.6	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	68.8	J		12.7	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	74.9	J		12.9	ug/L
000824-90-8	1-Phenyl-1-butene	57.3	J		13.3	ug/L
91-20-3	Naphthalene	2.80	J		13.8	ug/L

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_X\Data\VX051325\
 Data File : VX046177.D
 Acq On : 13 May 2025 19:28
 Operator : JC/MD
 Sample : Q2018-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

Quant Time: May 14 01:46:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	68362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58317	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65123	51.097	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.200%	
35) Dibromofluoromethane	5.385	113	49215	50.091	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.180%	
50) Toluene-d8	8.647	98	170440	50.121	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	11.079	95	70733	54.226	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.460%	

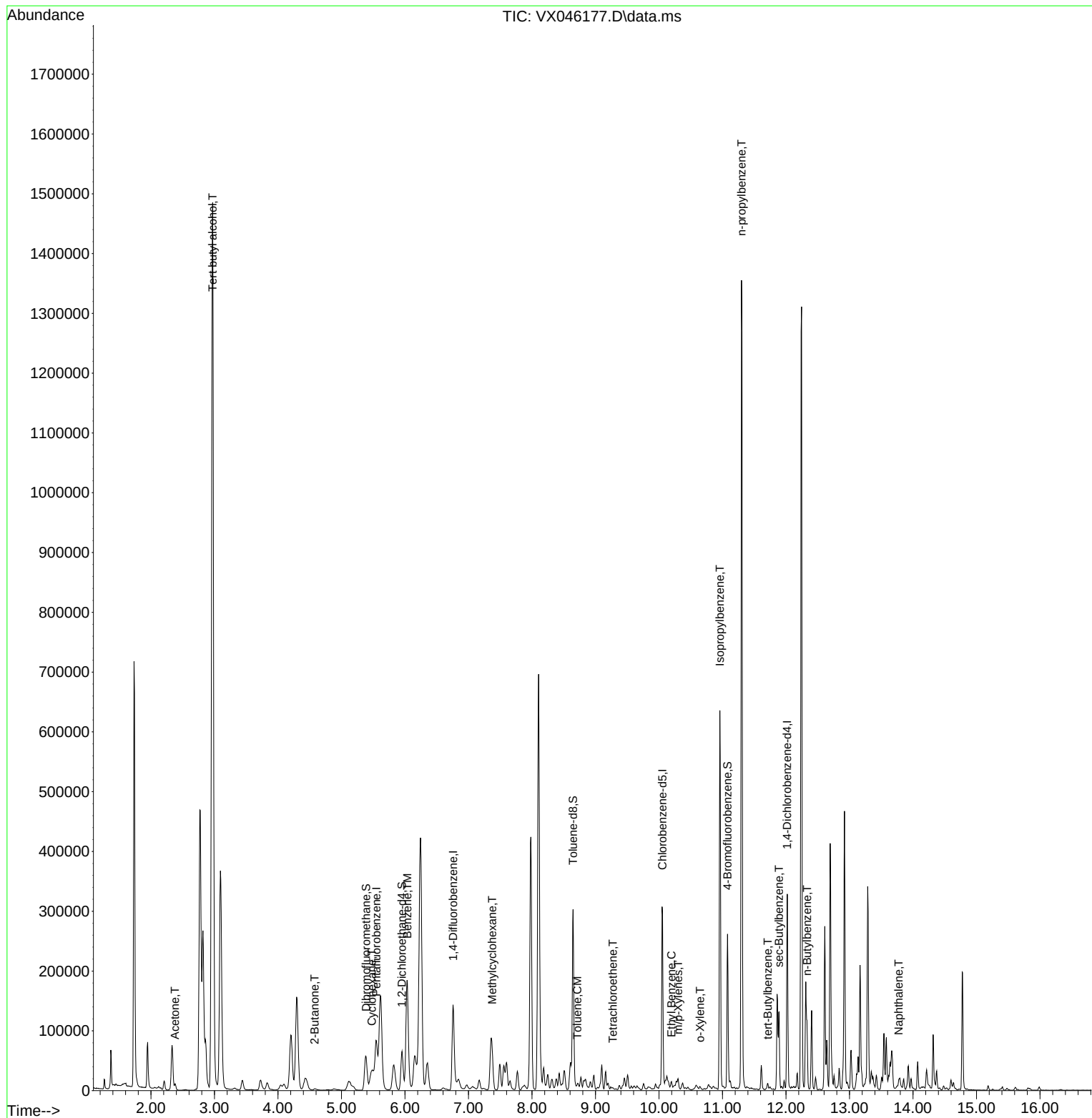
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.971	59	1670293	9336.495	ug/l	100
16) Acetone	2.380	43	10756	21.049	ug/l	98
25) 2-Butanone	4.574	43	4782	6.446	ug/l	97
31) Cyclohexane	5.477	56	21979	14.471	ug/l #	89
39) Methylcyclohexane	7.373	83	23892	14.058	ug/l #	71
40) Benzene	6.038	78	214793	55.550	ug/l	100
52) Toluene	8.714	92	3417	1.441	ug/l	97
64) Tetrachloroethene	9.275	164	460	0.506	ug/l #	72
67) Ethyl Benzene	10.195	91	6026	1.216	ug/l	94
68) m/p-Xylenes	10.299	106	2958	1.632	ug/l	97
69) o-Xylene	10.647	106	674	0.381	ug/l	77
73) Isopropylbenzene	10.957	105	309541	68.179	ug/l	99
78) n-propylbenzene	11.299	91	821992	155.709	ug/l	99
83) tert-Butylbenzene	11.713	119	3266	0.855	ug/l	86
85) sec-Butylbenzene	11.890	105	66400	14.155	ug/l	93
89) n-Butylbenzene	12.329	91	58622	17.259	ug/l #	71
95) Naphthalene	13.774	128	11449	2.815	ug/l #	85

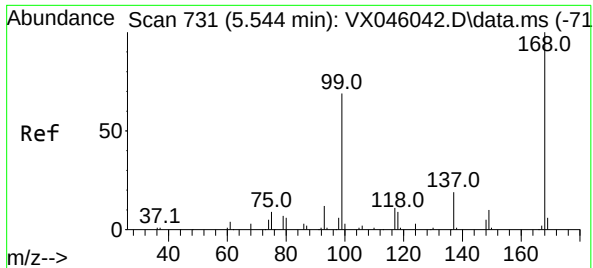
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Time: May 14 01:46:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

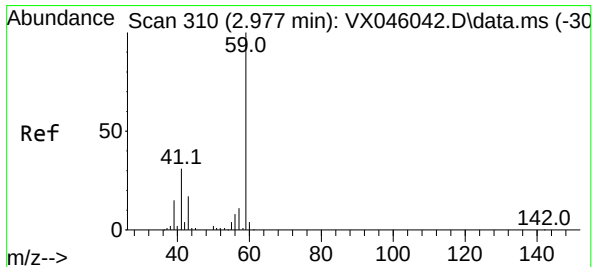
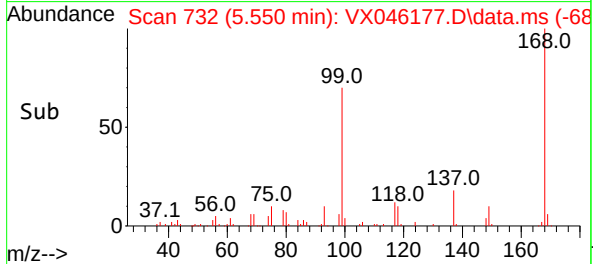
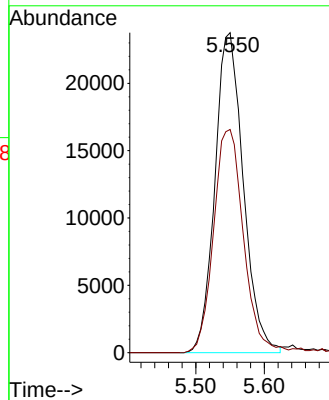
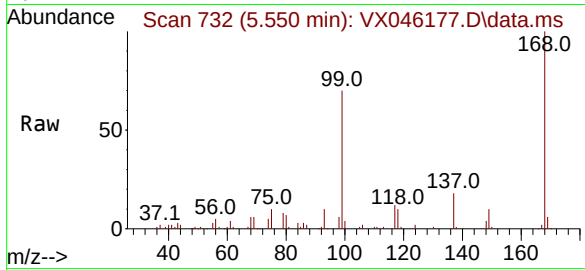




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

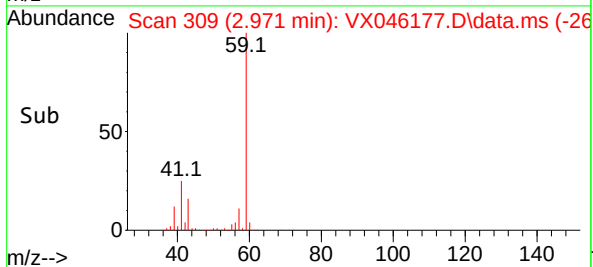
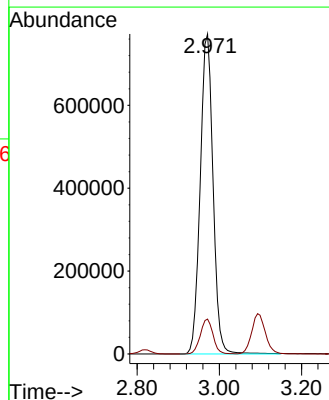
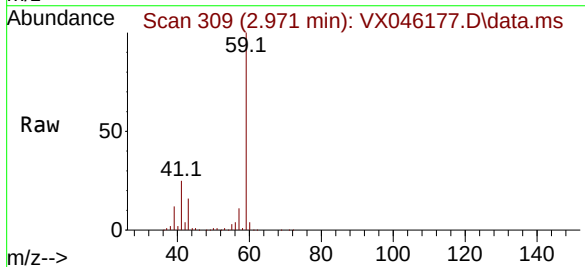
Instrument :
MSVOA_X
ClientSampleId :
MW2

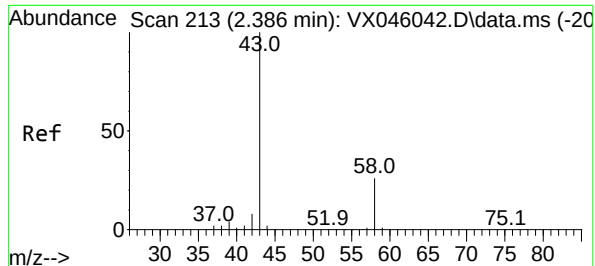
Tgt Ion:168 Resp: 68362
Ion Ratio Lower Upper
168 100
99 69.7 54.9 82.3



#11
Tert butyl alcohol
Concen: 9336.495 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

Tgt Ion: 59 Resp: 1670293
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8





#16

Acetone

Concen: 21.049 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

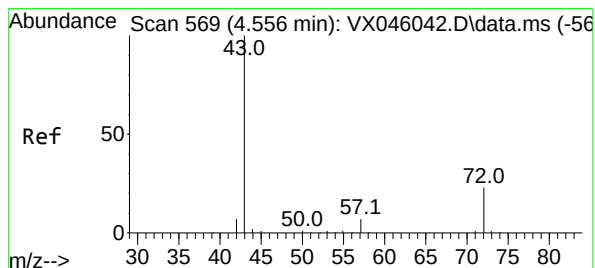
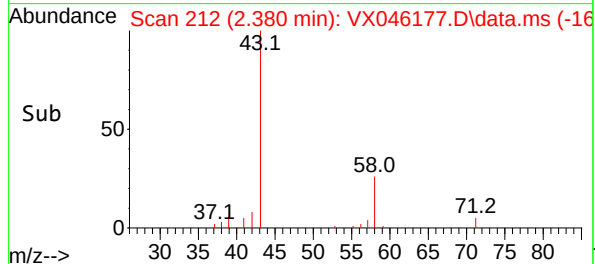
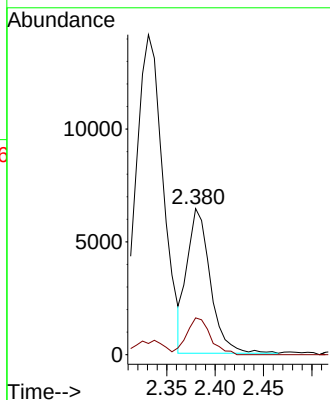
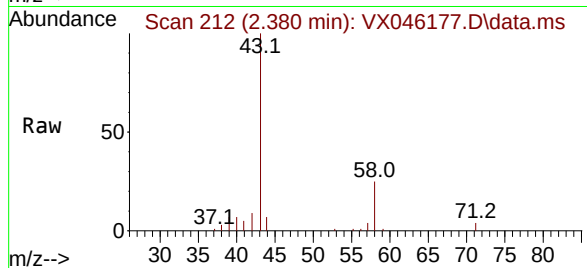
MW2

Tgt Ion: 43 Resp: 10756

Ion Ratio Lower Upper

43 100

58 25.4 21.2 31.8



#25

2-Butanone

Concen: 6.446 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX046177.D

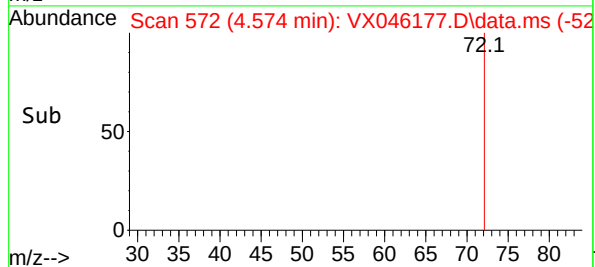
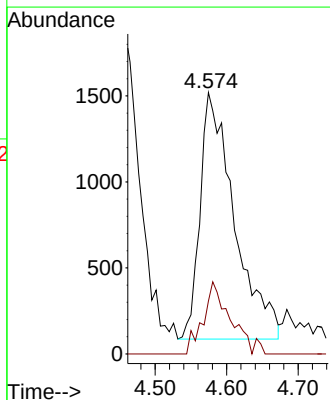
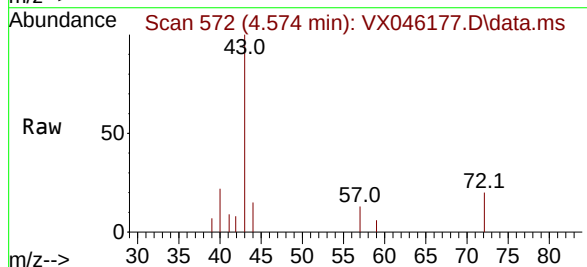
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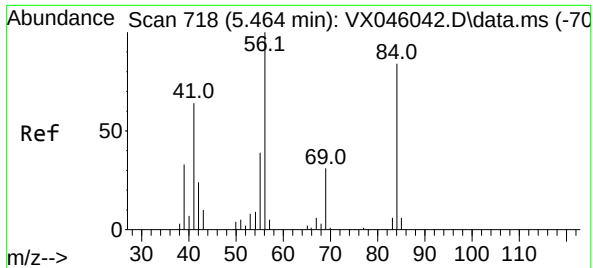
Tgt Ion: 43 Resp: 4782

Ion Ratio Lower Upper

43 100

72 21.5 18.4 27.6





#31

Cyclohexane

Concen: 14.471 ug/l

RT: 5.477 min Scan# 718

Delta R.T. 0.012 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW2

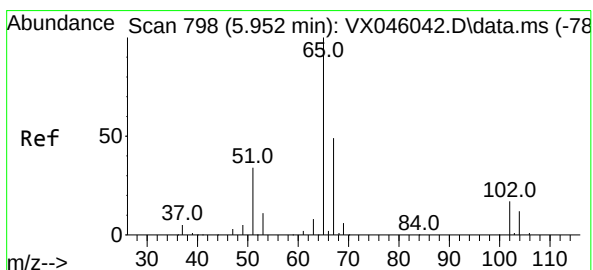
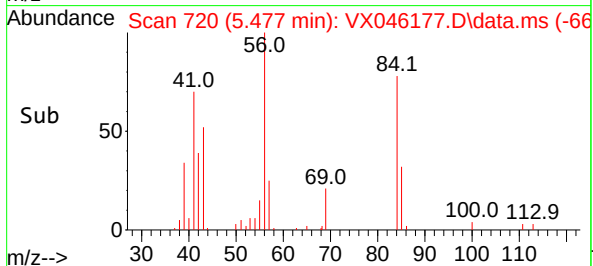
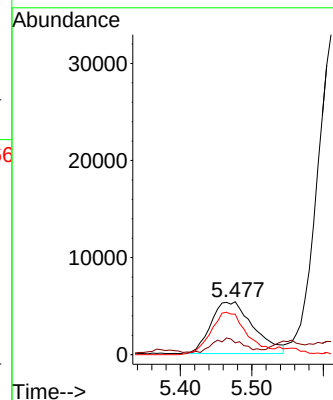
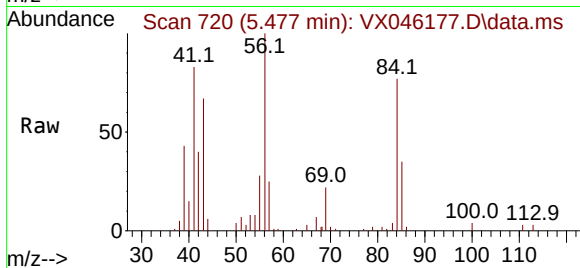
Tgt Ion: 56 Resp: 21979

Ion Ratio Lower Upper

56 100

69 18.7 24.4 36.6#

84 77.1 66.9 100.3



#33

1,2-Dichloroethane-d4

Concen: 51.097 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046177.D

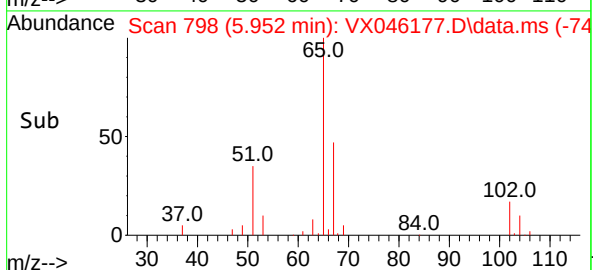
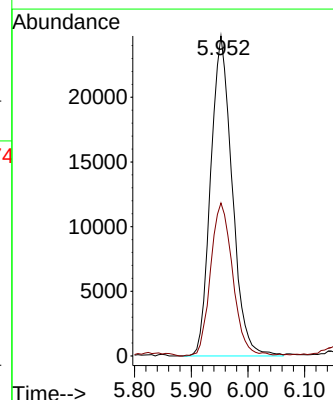
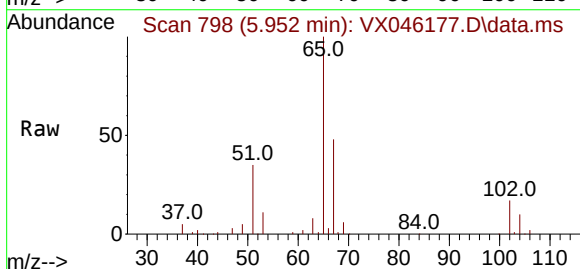
Acq: 13 May 2025 19:28

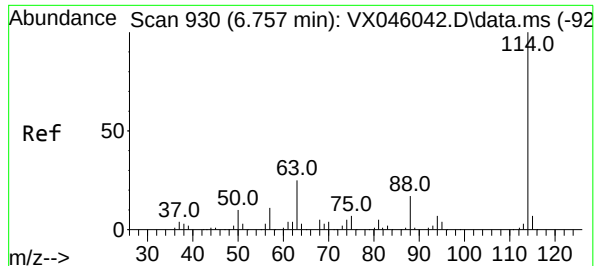
Tgt Ion: 65 Resp: 65123

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW2

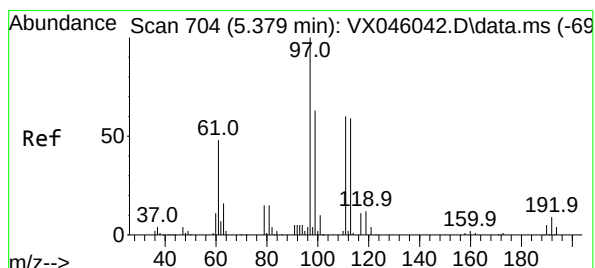
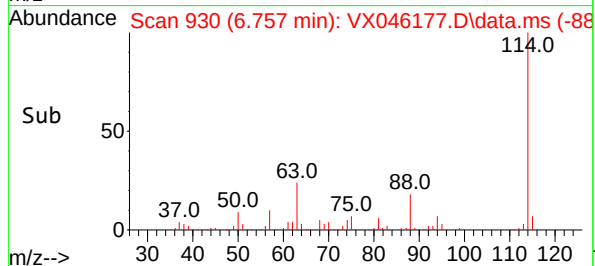
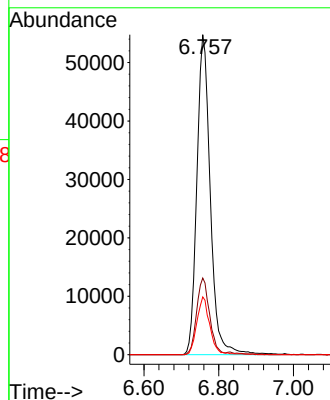
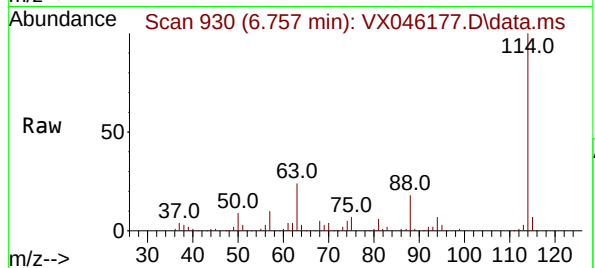
Tgt Ion:114 Resp: 136439

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 18.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.091 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

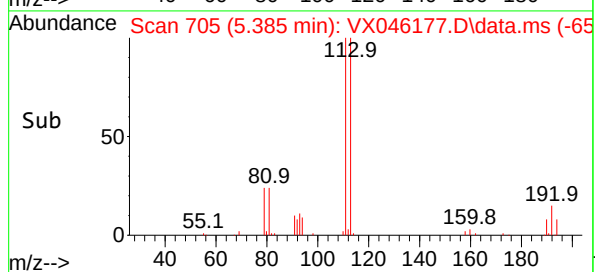
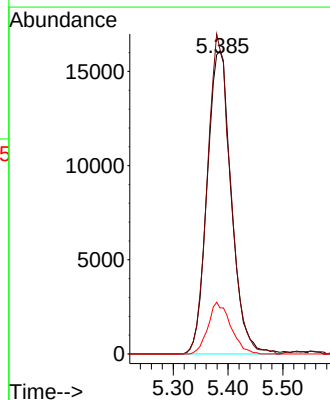
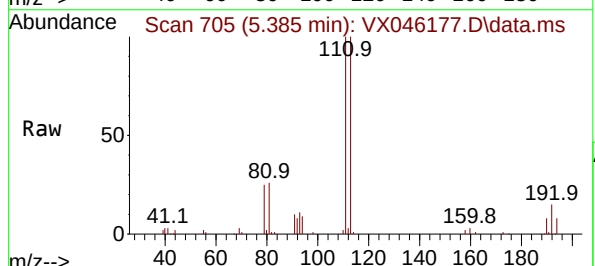
Tgt Ion:113 Resp: 49215

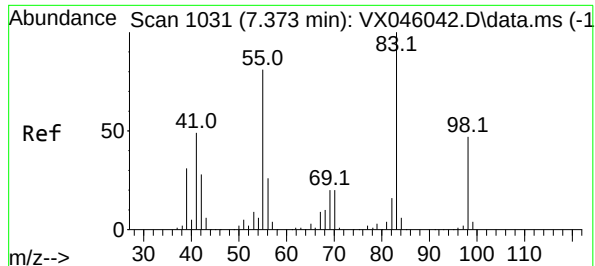
Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

192 16.0 13.3 19.9





#39

Methylcyclohexane

Concen: 14.058 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW2

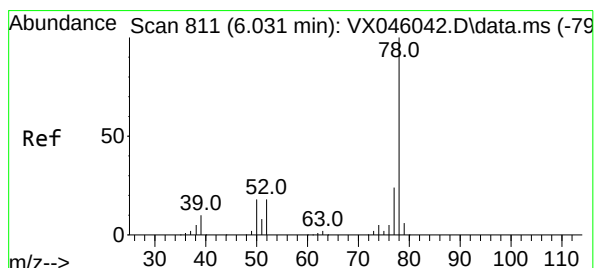
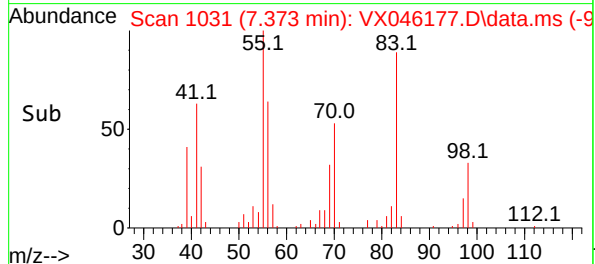
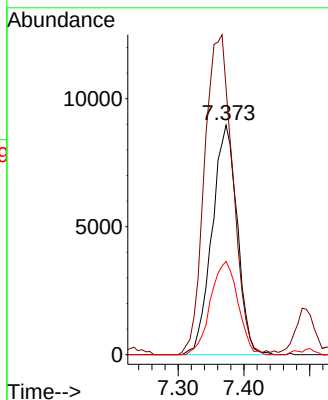
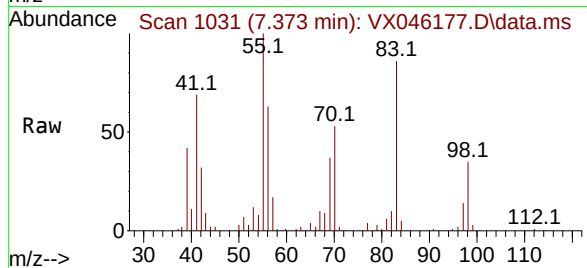
Tgt Ion: 83 Resp: 23892

Ion Ratio Lower Upper

83 100

55 116.3 64.7 97.1#

98 40.7 37.4 56.2



#40

Benzene

Concen: 55.550 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX046177.D

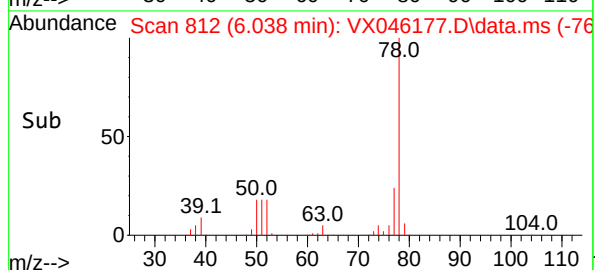
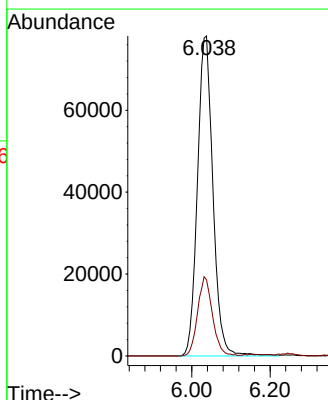
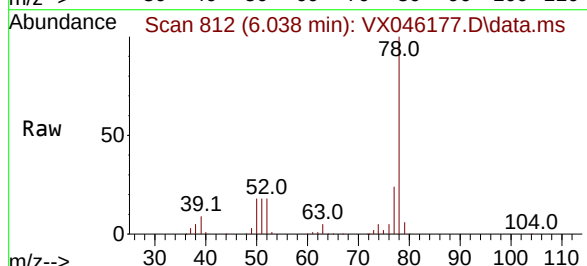
Acq: 13 May 2025 19:28

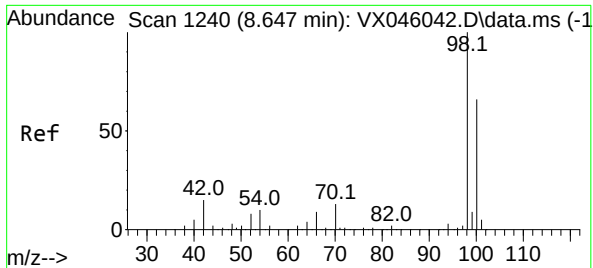
Tgt Ion: 78 Resp: 214793

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4

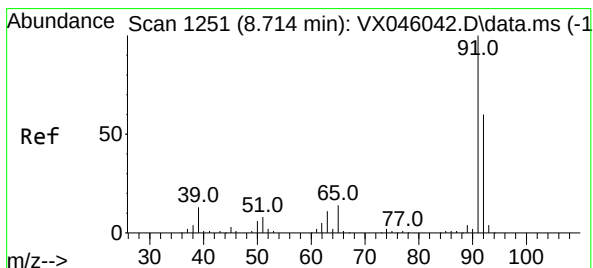
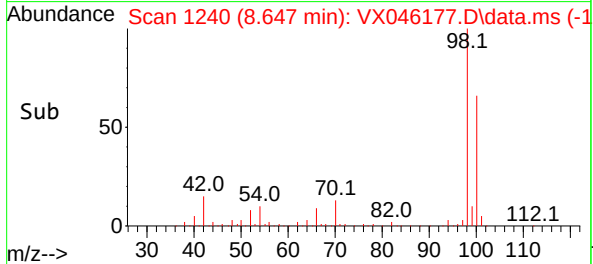
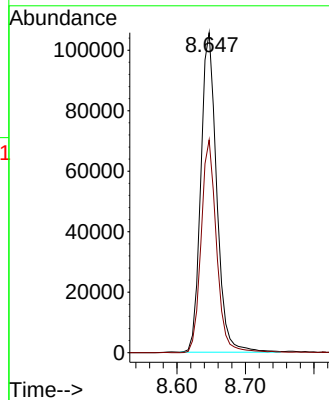
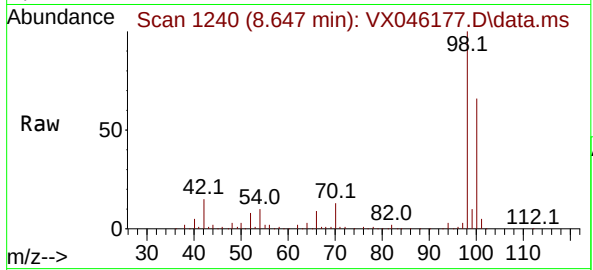




#50
Toluene-d8
Concen: 50.121 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

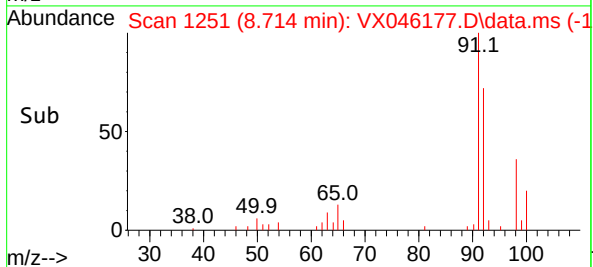
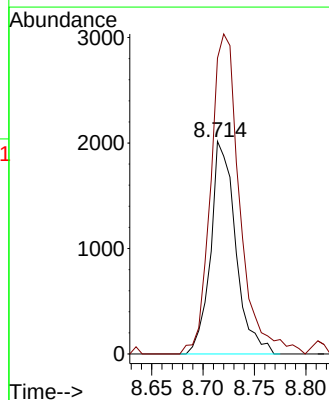
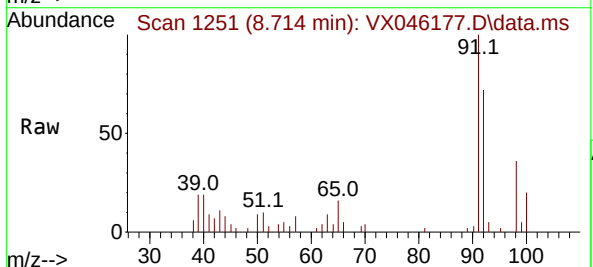
Instrument :
MSVOA_X
ClientSampleId :
MW2

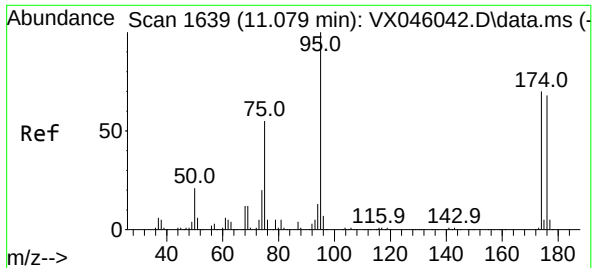
Tgt Ion: 98 Resp: 170440
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3



#52
Toluene
Concen: 1.441 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

Tgt Ion: 92 Resp: 3417
Ion Ratio Lower Upper
92 100
91 174.8 136.6 205.0

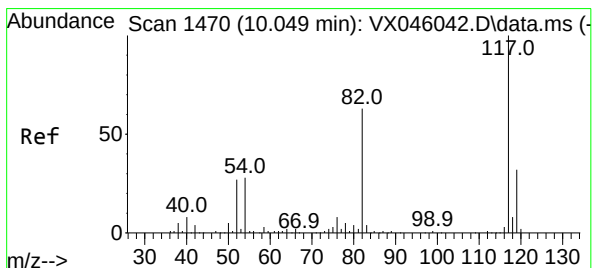
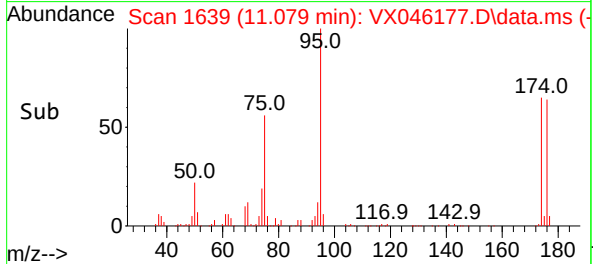
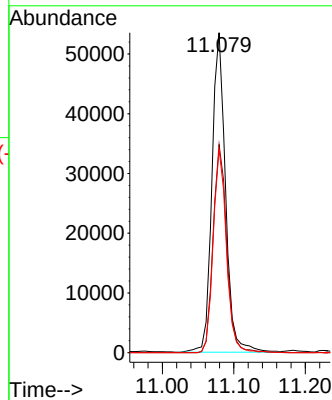
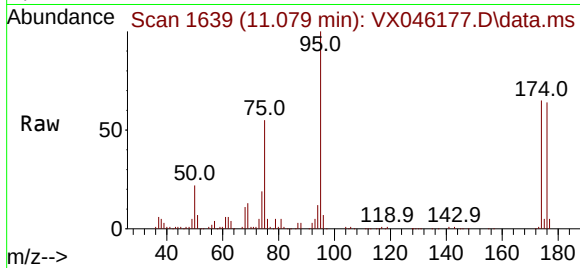




#62
4-Bromofluorobenzene
Concen: 54.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

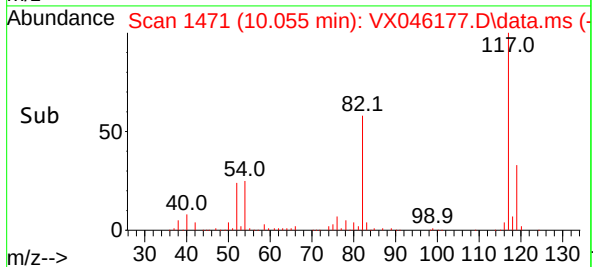
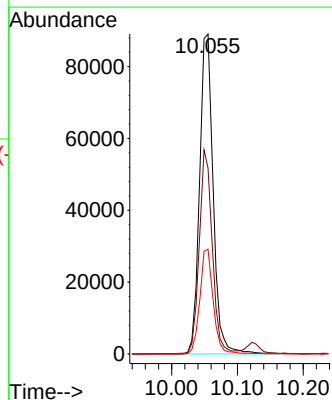
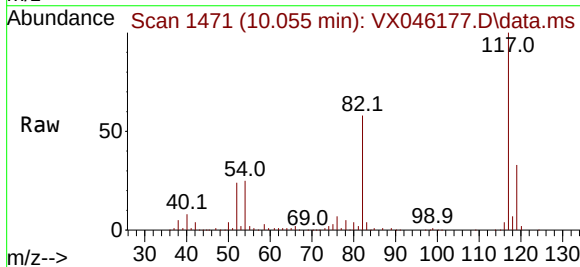
Instrument :
MSVOA_X
ClientSampleId :
MW2

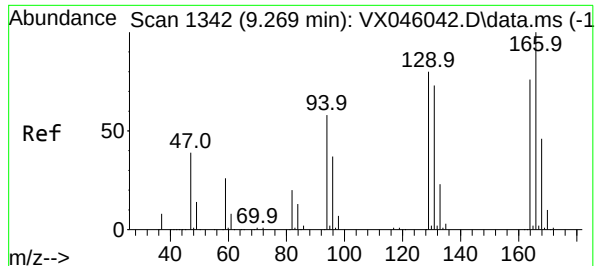
Tgt Ion: 95 Resp: 70733
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.8
176 61.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046177.D
Acq: 13 May 2025 19:28

Tgt Ion: 117 Resp: 128432
Ion Ratio Lower Upper
117 100
82 57.8 50.6 76.0
119 32.7 25.8 38.6





#64

Tetrachloroethene

Concen: 0.506 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW2

Tgt Ion:164 Resp: 460

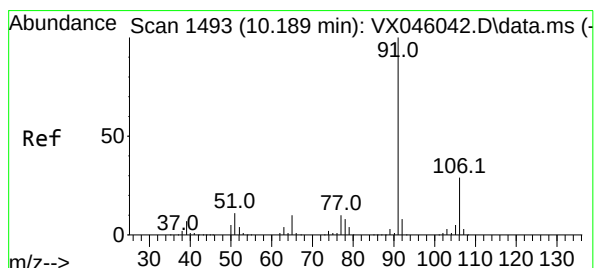
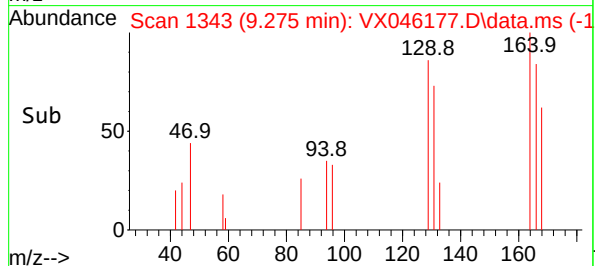
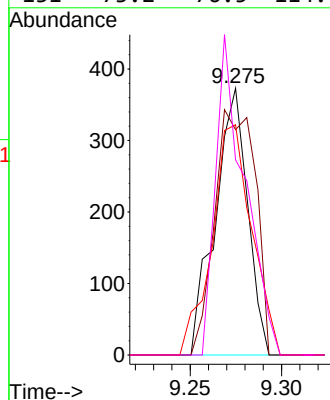
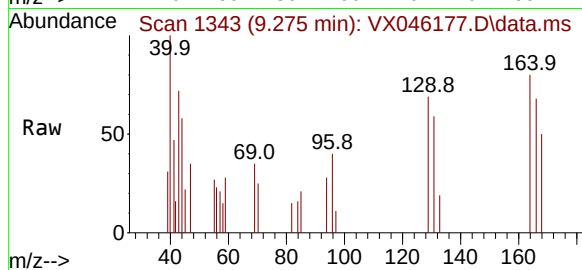
Ion Ratio Lower Upper

164 100

166 84.5 105.0 157.6#

129 86.3 83.5 125.3

131 73.2 76.5 114.7#



#67

Ethyl Benzene

Concen: 1.216 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046177.D

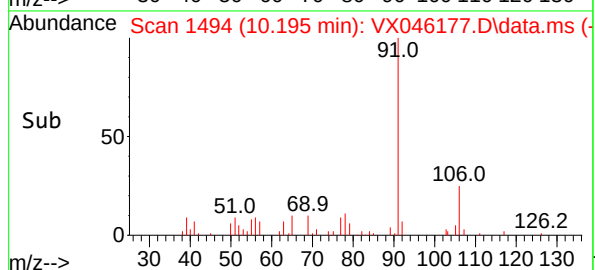
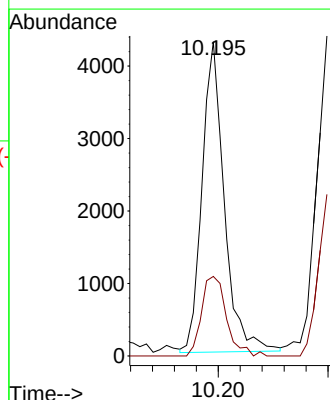
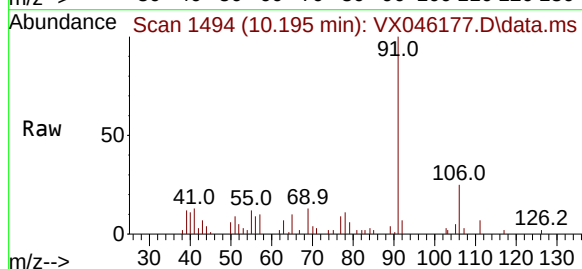
Acq: 13 May 2025 19:28

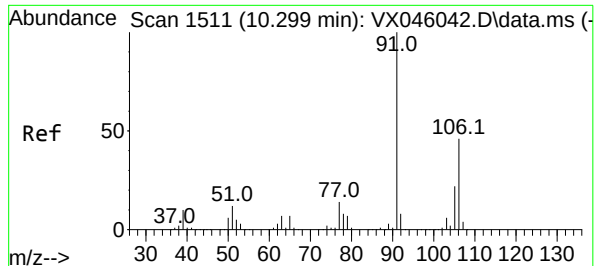
Tgt Ion: 91 Resp: 6026

Ion Ratio Lower Upper

91 100

106 25.8 23.4 35.2





#68

m/p-Xylenes

Concen: 1.632 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

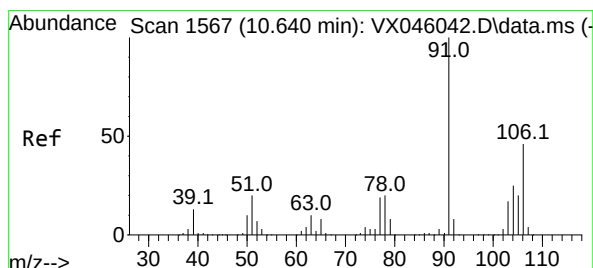
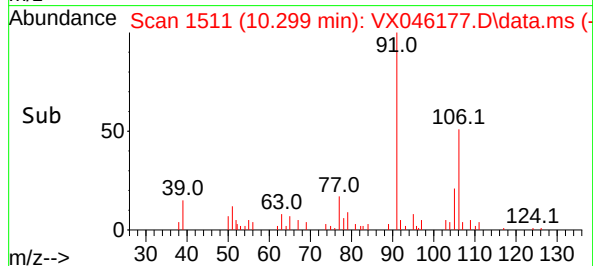
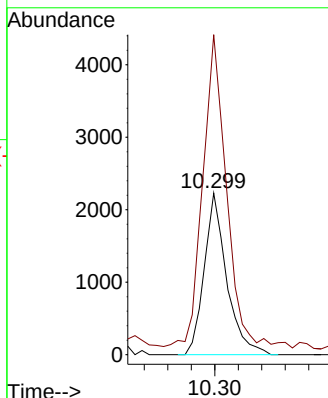
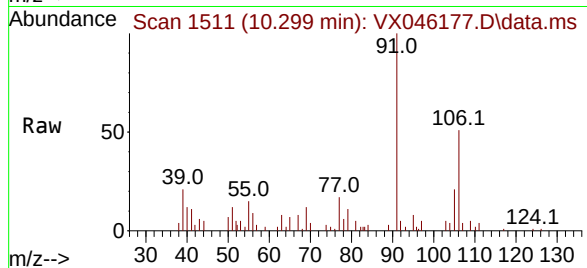
MW2

Tgt Ion:106 Resp: 2958

Ion Ratio Lower Upper

106 100

91 209.0 171.2 256.8



#69

o-Xylene

Concen: 0.381 ug/l

RT: 10.647 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX046177.D

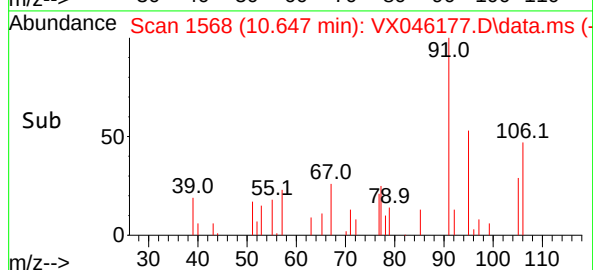
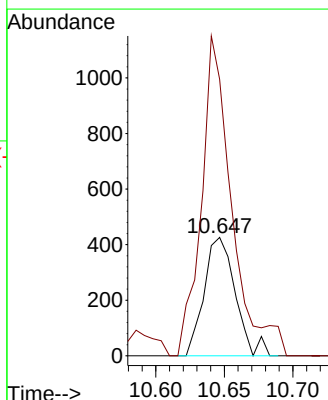
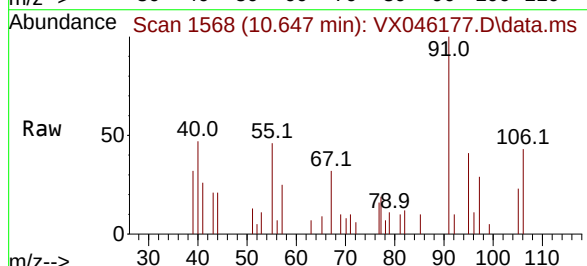
Acq: 13 May 2025 19:28

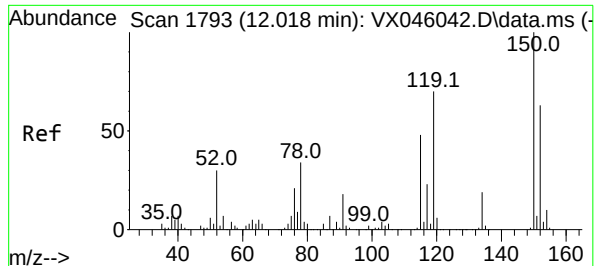
Tgt Ion:106 Resp: 674

Ion Ratio Lower Upper

106 100

91 263.2 112.7 338.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW2

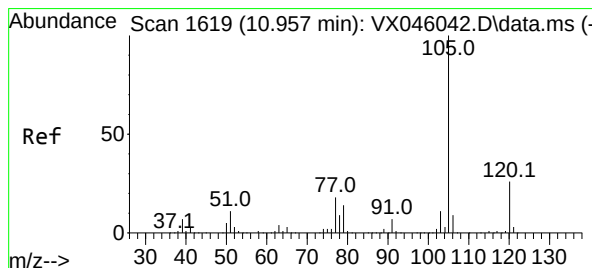
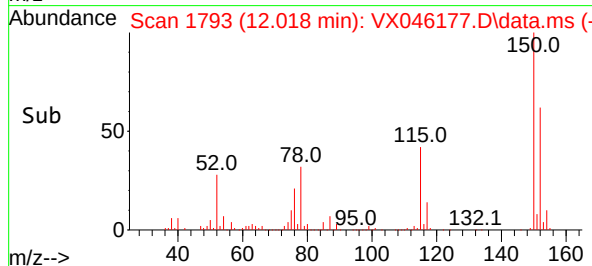
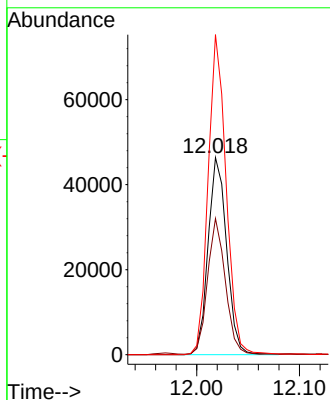
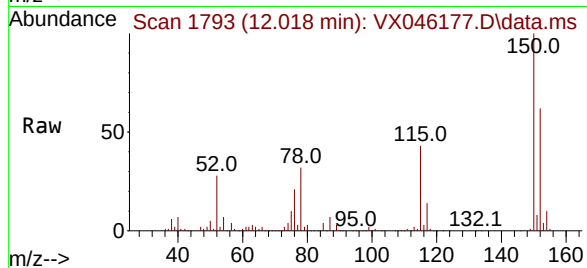
Tgt Ion:152 Resp: 58317

Ion Ratio Lower Upper

152 100

115 65.5 46.9 140.7

150 157.1 0.0 351.0



#73

Isopropylbenzene

Concen: 68.179 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX046177.D

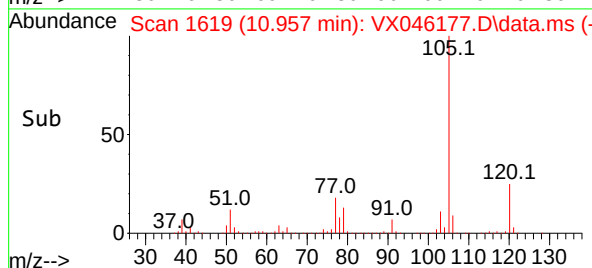
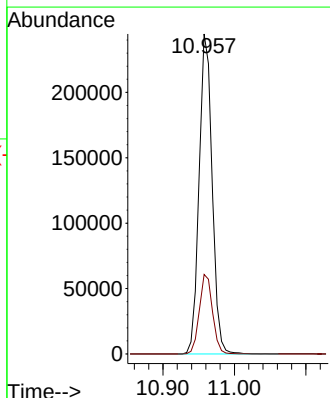
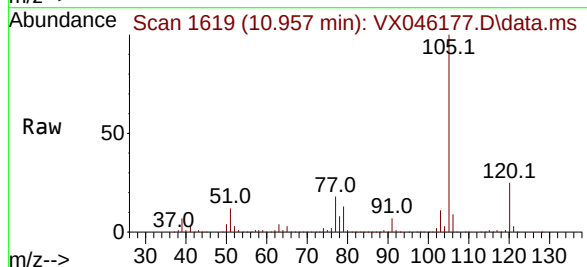
Acq: 13 May 2025 19:28

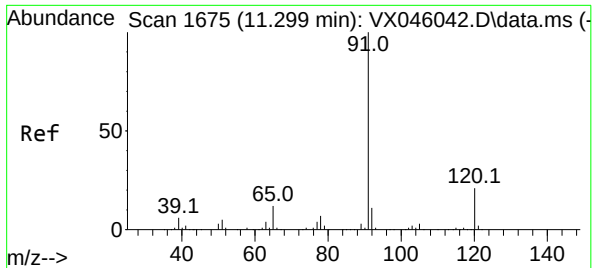
Tgt Ion:105 Resp: 309541

Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.4





#78

n-propylbenzene

Concen: 155.709 ug/l

RT: 11.299 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

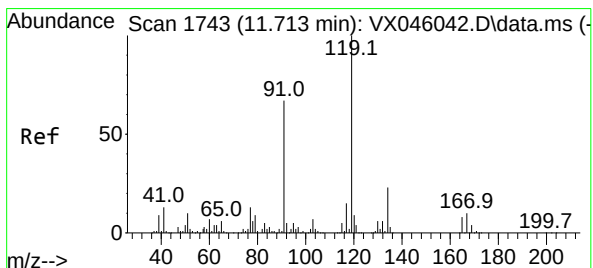
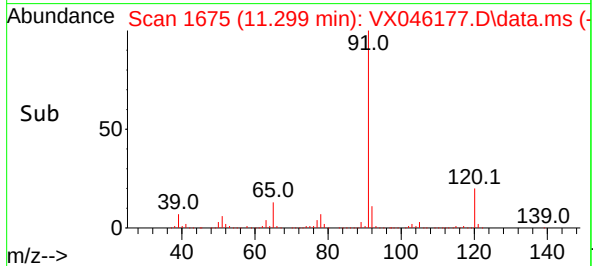
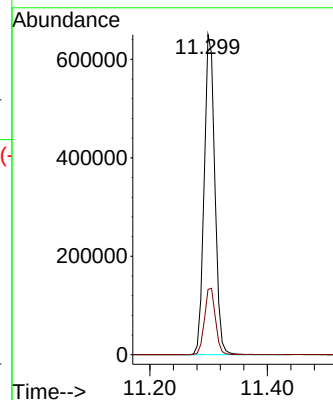
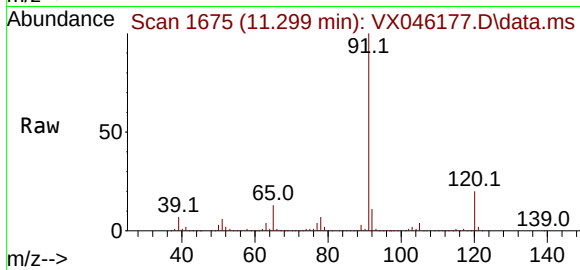
MW2

Tgt Ion: 91 Resp: 821992

Ion Ratio Lower Upper

91 100

120 21.2 10.8 32.4



#83

tert-Butylbenzene

Concen: 0.855 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

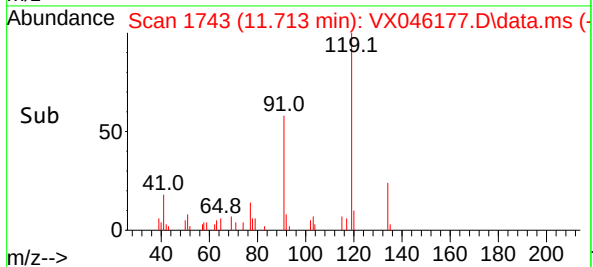
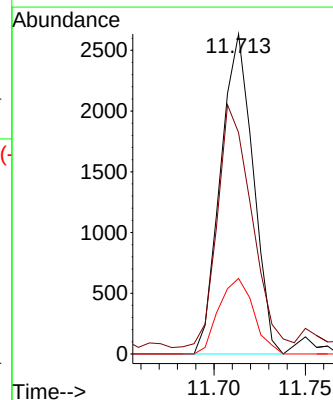
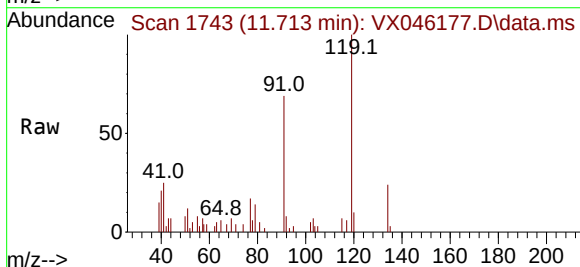
Tgt Ion: 119 Resp: 3266

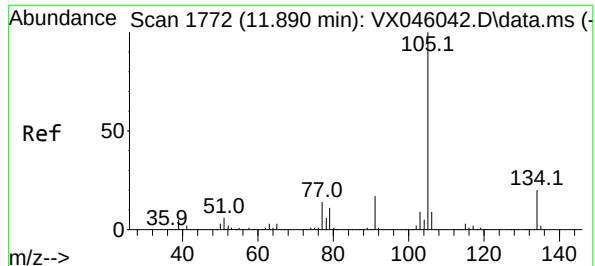
Ion Ratio Lower Upper

119 100

91 79.6 32.9 98.7

134 25.1 11.4 34.1





#85

sec-Butylbenzene

Concen: 14.155 ug/l

RT: 11.890 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

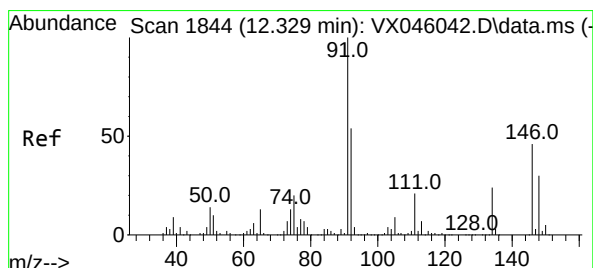
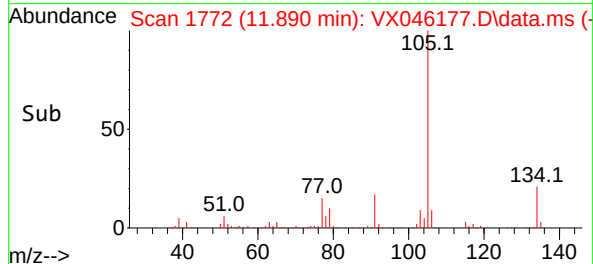
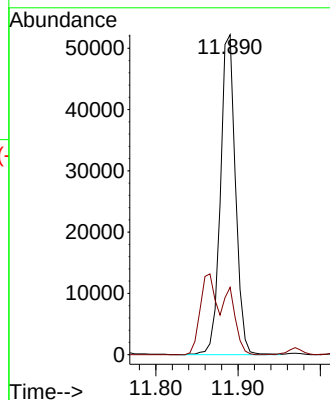
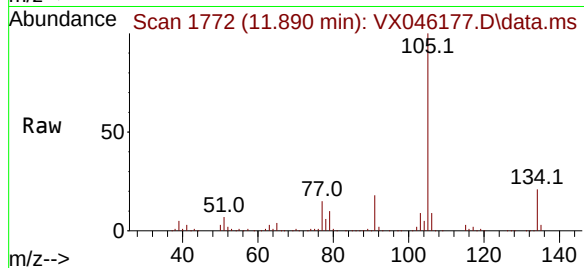
MW2

Tgt Ion:105 Resp: 66400

Ion Ratio Lower Upper

105 100

134 16.2 9.7 29.1



#89

n-Butylbenzene

Concen: 17.259 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046177.D

Acq: 13 May 2025 19:28

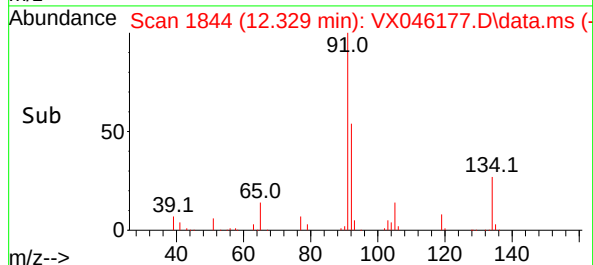
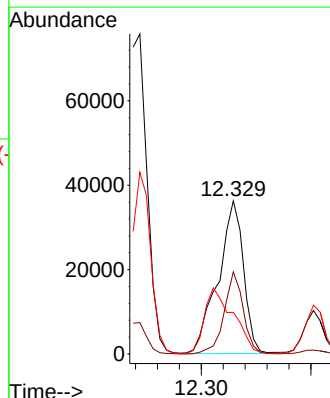
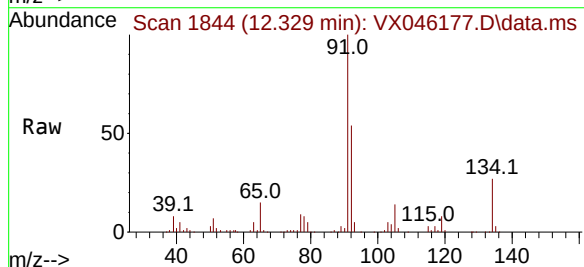
Tgt Ion: 91 Resp: 58622

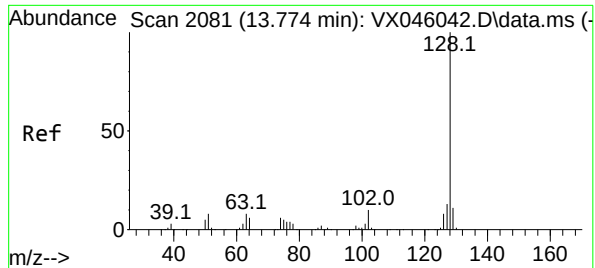
Ion Ratio Lower Upper

91 100

92 40.4 26.9 80.7

134 48.7 11.8 35.3#





#95

Naphthalene

Concen: 2.815 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX046177.D

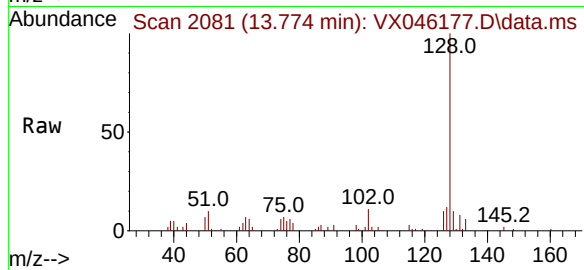
Acq: 13 May 2025 19:28

Instrument :

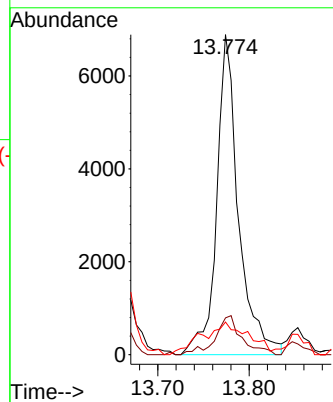
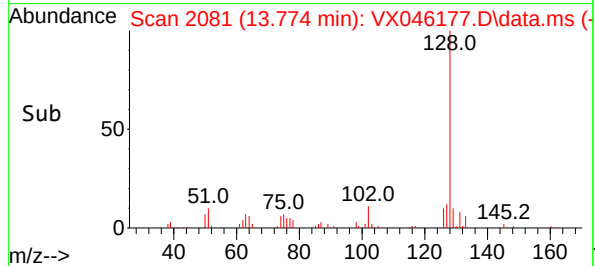
MSVOA_X

ClientSampleId :

MW2



Tgt Ion:	128	Resp:	11449
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.4	15.6
129	21.7	8.6	13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046177.D
 Acq On : 13 May 2025 19:28
 Operator : JC/MD
 Sample : Q2018-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

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_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.368	40	46	51	rBV	64312	75831	2.37%	0.299%
2	1.734	101	106	119	rVB	711306	984396	30.72%	3.879%
3	1.947	136	141	152	rVB	76858	110474	3.45%	0.435%
4	2.331	193	204	210	rVV	75391	150406	4.69%	0.593%
5	2.770	267	276	281	rBV	467360	1058095	33.01%	4.169%
6	2.819	281	284	289	rVB	192390	326398	10.18%	1.286%
7	2.971	300	309	321	rBV	1479800	3204898	100.00%	12.629%
8	3.093	321	329	345	rVB2	364686	882890	27.55%	3.479%
9	3.441	377	386	394	rBV2	15567	35251	1.10%	0.139%
10	3.727	424	433	443	rBV4	16432	45978	1.43%	0.181%
11	4.203	501	511	519	rVV2	91821	285044	8.89%	1.123%
12	4.294	519	526	539	rVV	155630	448939	14.01%	1.769%
13	4.428	539	548	567	rVB5	19736	81944	2.56%	0.323%
14	5.379	693	704	712	rBV	57337	172801	5.39%	0.681%
15	5.483	712	721	723	rVV4	33893	106546	3.32%	0.420%
16	5.544	725	731	736	rVV	83466	255014	7.96%	1.005%
17	5.611	736	742	761	rVV	157901	515067	16.07%	2.030%
18	5.824	765	777	790	rVV4	42106	140253	4.38%	0.553%
19	5.952	790	798	804	rVV	64634	166878	5.21%	0.658%
20	6.032	804	811	822	rVV	183514	498823	15.56%	1.966%
21	6.153	822	831	836	rVV2	57241	187645	5.85%	0.739%
22	6.245	836	846	856	rVV	421836	1329374	41.48%	5.238%
23	6.355	856	864	876	rVB3	45129	134310	4.19%	0.529%
24	6.757	921	930	939	rBV	142447	355920	11.11%	1.402%
25	6.842	940	944	955	rVV6	17001	48517	1.51%	0.191%
26	7.361	1018	1029	1042	rBV4	86639	251829	7.86%	0.992%
27	7.495	1042	1051	1056	rBV2	42608	90971	2.84%	0.358%
28	7.556	1056	1061	1064	rVV	39572	80936	2.53%	0.319%
29	7.598	1064	1068	1073	rVV	44078	93592	2.92%	0.369%
30	7.769	1089	1096	1104	rVB2	30850	62707	1.96%	0.247%
31	7.982	1121	1131	1142	rVB	422239	848767	26.48%	3.344%
32	8.104	1142	1151	1160	rBV	694403	1397633	43.61%	5.507%
33	8.184	1160	1164	1169	rVV	32779	57414	1.79%	0.226%
34	8.245	1169	1174	1180	rVB	22369	41577	1.30%	0.164%
35	8.427	1200	1204	1209	rVV2	22363	36672	1.14%	0.145%
36	8.507	1213	1217	1225	rVB4	31591	66360	2.07%	0.261%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

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_X\Method\82X050525W.M
Title : SW846 8260

37	8.604	1225	1233	1235	rBV3	45100	82667	2.58%	0.326%
38	8.647	1235	1240	1248	rVB	295536	477152	14.89%	1.880%
39	8.976	1289	1294	1299	rVB2	23418	39011	1.22%	0.154%
40	9.098	1305	1314	1319	rVB3	40242	71146	2.22%	0.280%
41	9.159	1319	1324	1328	rBV	28600	44469	1.39%	0.175%
42	9.458	1364	1373	1376	rBV3	18259	37890	1.18%	0.149%
43	9.507	1376	1381	1387	rVB2	22549	39606	1.24%	0.156%
44	10.049	1465	1470	1476	rBV	298141	410824	12.82%	1.619%
45	10.122	1480	1482	1490	rVB3	18438	34358	1.07%	0.135%
46	10.957	1614	1619	1626	rBV	633627	802162	25.03%	3.161%
47	11.079	1634	1639	1644	rBV	256658	332534	10.38%	1.310%
48	11.299	1665	1675	1686	rBV	1352078	1731743	54.03%	6.824%
49	11.610	1721	1726	1734	rVB	40621	53645	1.67%	0.211%
50	11.860	1760	1767	1770	rBV	159726	231653	7.23%	0.913%
51	11.890	1770	1772	1776	rVB	127142	129646	4.05%	0.511%
52	12.018	1788	1793	1802	rVB	325007	396296	12.37%	1.562%
53	12.244	1824	1830	1836	rVV2	1308439	1718190	53.61%	6.770%
54	12.311	1836	1841	1851	rVV2	179934	334703	10.44%	1.319%
55	12.402	1851	1856	1862	rVV	132295	164383	5.13%	0.648%
56	12.610	1882	1890	1893	rBV	273425	338253	10.55%	1.333%
57	12.640	1893	1895	1900	rVV	80965	97992	3.06%	0.386%
58	12.695	1900	1904	1912	rVV	408348	544918	17.00%	2.147%
59	12.835	1920	1927	1933	rVB	35034	50896	1.59%	0.201%
60	12.921	1933	1941	1946	rBV	464795	593776	18.53%	2.340%
61	13.024	1953	1958	1966	rVB3	65819	98584	3.08%	0.388%
62	13.134	1973	1976	1978	rVV	48222	59340	1.85%	0.234%
63	13.164	1978	1981	1990	rVB	203497	269414	8.41%	1.062%
64	13.286	1993	2001	2007	rBV2	330838	454194	14.17%	1.790%
65	13.420	2020	2023	2031	rVB2	23473	34283	1.07%	0.135%
66	13.542	2039	2043	2046	rVV	93149	133273	4.16%	0.525%
67	13.579	2046	2049	2053	rVV3	85966	121722	3.80%	0.480%
68	13.640	2053	2059	2060	rVV2	43597	75938	2.37%	0.299%
69	13.664	2060	2063	2071	rVB2	62919	111100	3.47%	0.438%
70	13.792	2078	2084	2090	rVB2	15751	34022	1.06%	0.134%
71	13.926	2099	2106	2110	rBV2	38816	61407	1.92%	0.242%
72	14.073	2125	2130	2136	rBV	46750	61344	1.91%	0.242%
73	14.213	2149	2153	2165	rVV2	30523	56679	1.77%	0.223%
74	14.317	2165	2170	2176	rVV	90060	117118	3.65%	0.461%
75	14.372	2176	2179	2184	rVB	29176	36806	1.15%	0.145%
76	14.774	2240	2245	2255	rBV	196546	264892	8.27%	1.044%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

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_X\Method\82X050525W.M
Title : SW846 8260

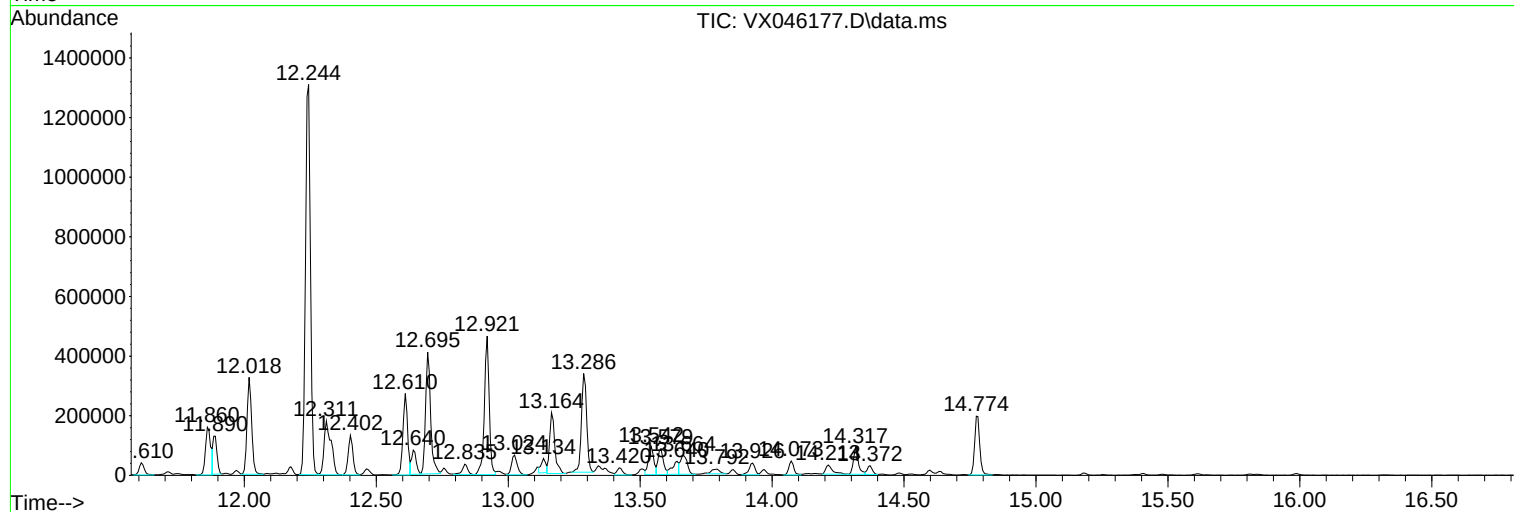
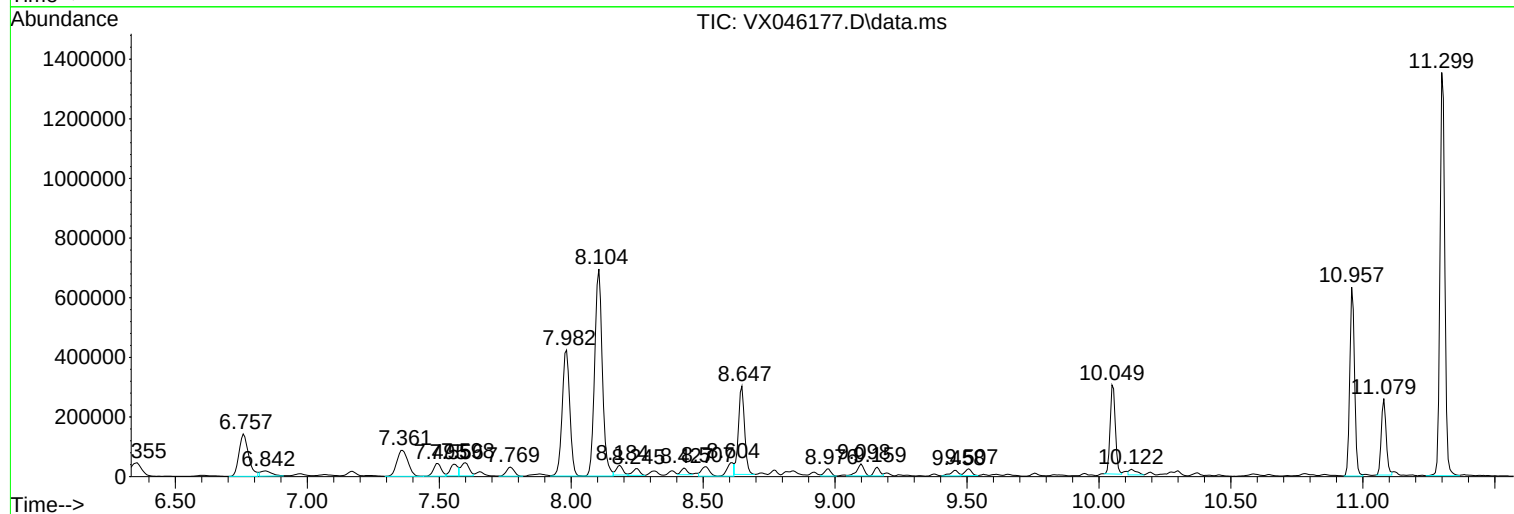
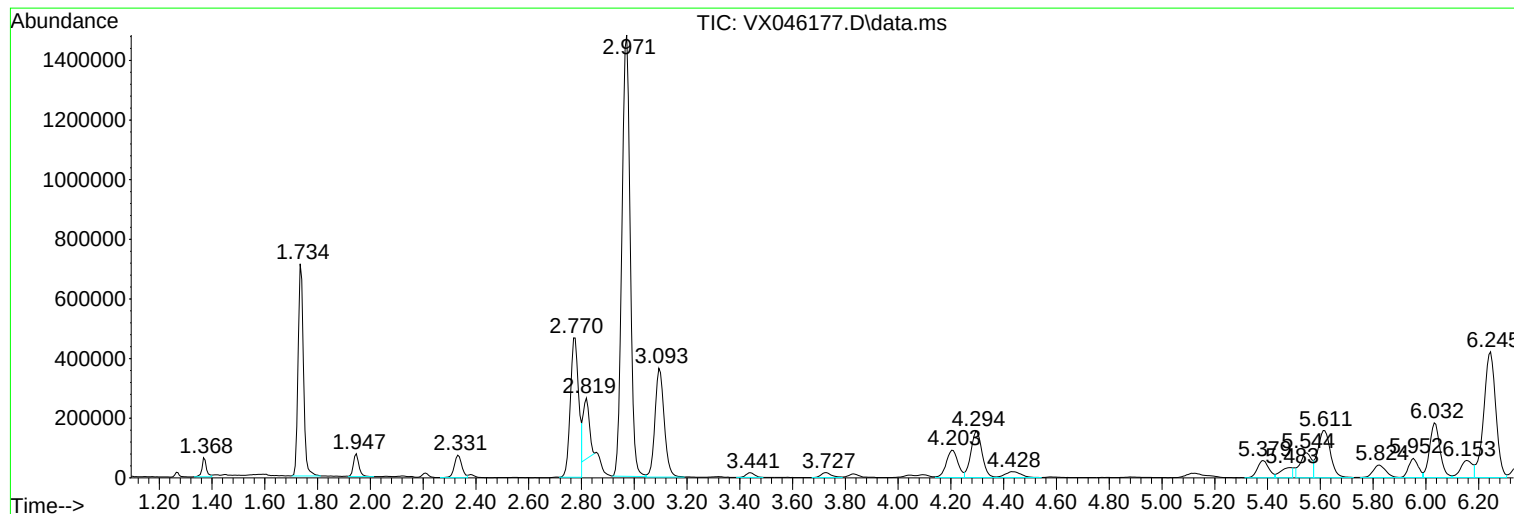
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

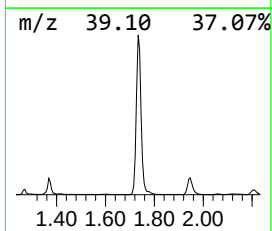
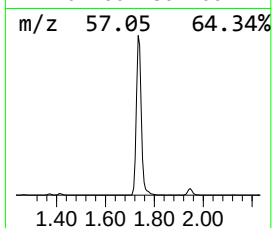
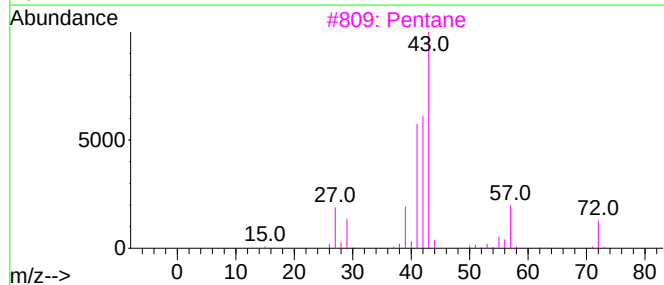
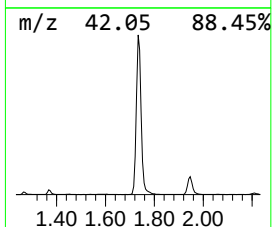
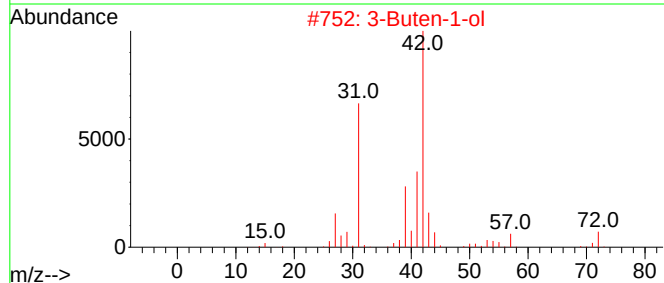
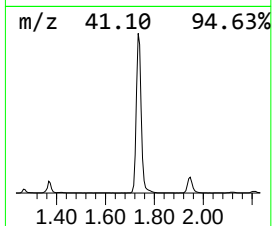
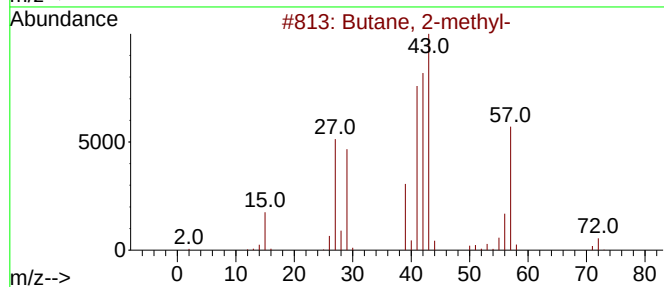
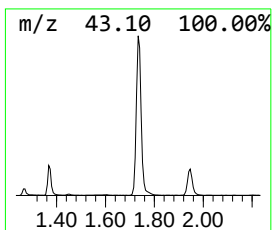
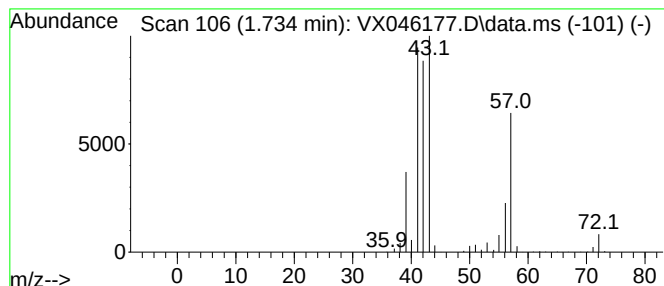
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.734	193.01 ug/l	984396	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	86
2			3-Buten-1-ol	72	C4H8O	000627-27-0	47
3			Pentane	72	C5H12	000109-66-0	36
4			Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5			1-Butene	56	C4H8	000106-98-9	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

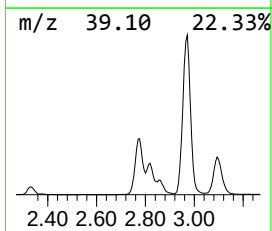
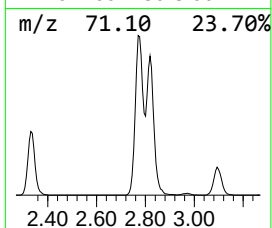
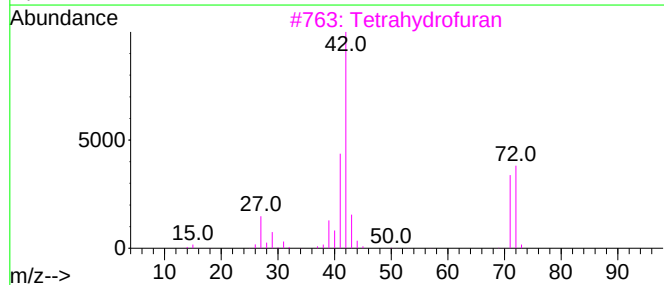
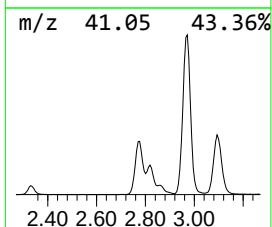
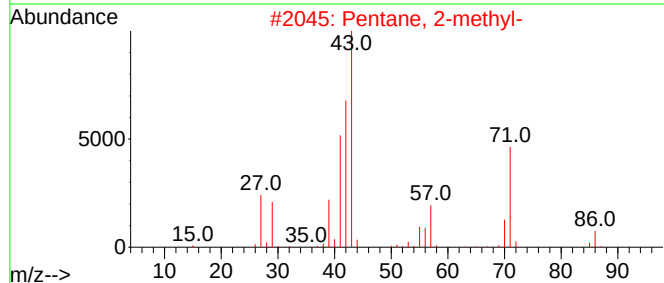
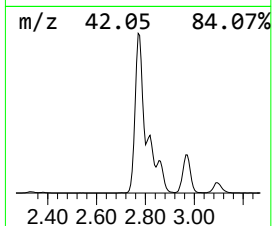
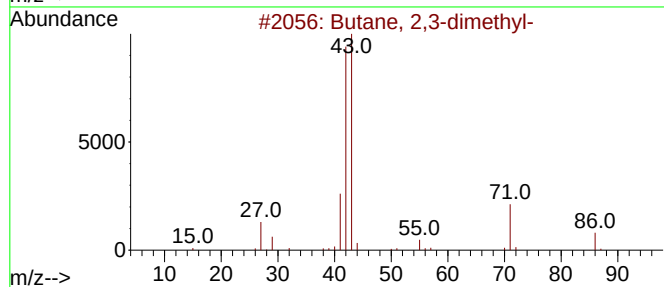
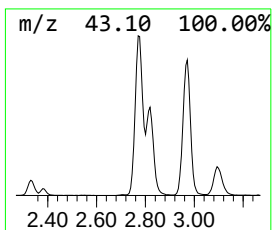
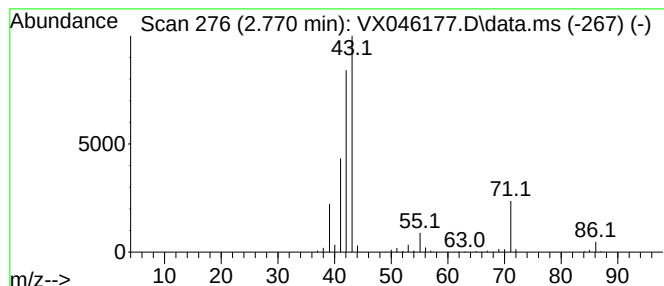
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.770	207.46 ug/l	1058100	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	78
3			Tetrahydrofuran	72	C4H8O	000109-99-9	38
4			Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	12
5			Pyrrolidine	71	C4H9N	000123-75-1	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

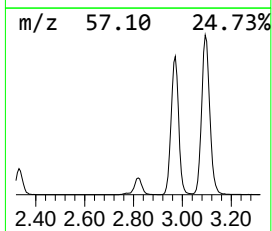
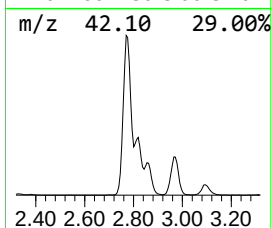
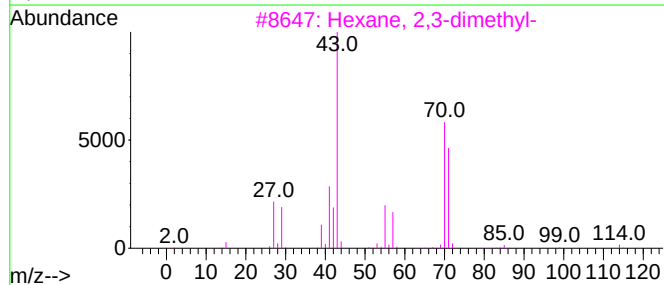
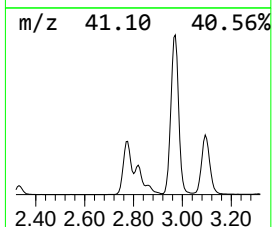
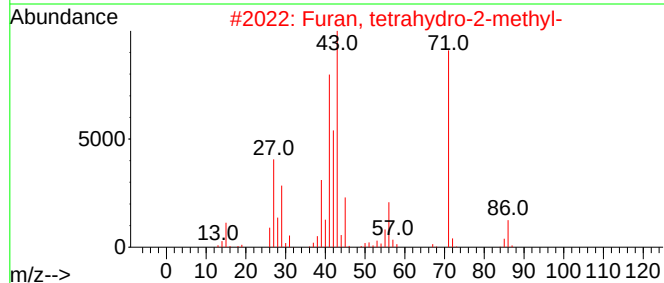
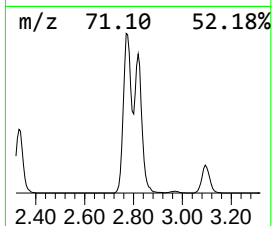
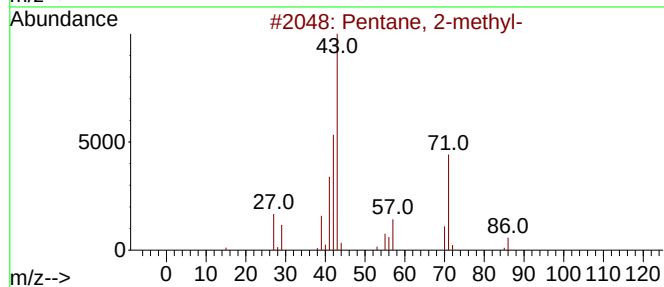
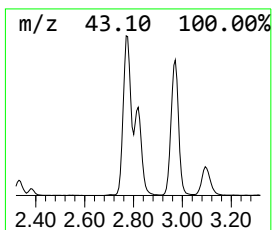
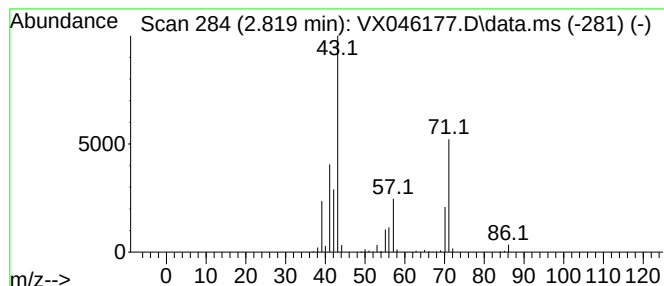
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 3 unknown2.819 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.819	64.00 ug/l	326398	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	45
2			Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	33
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	33
4			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	33
5			Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

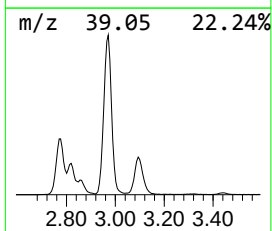
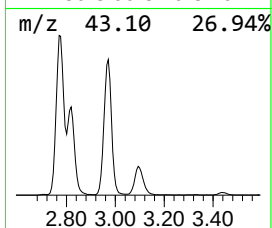
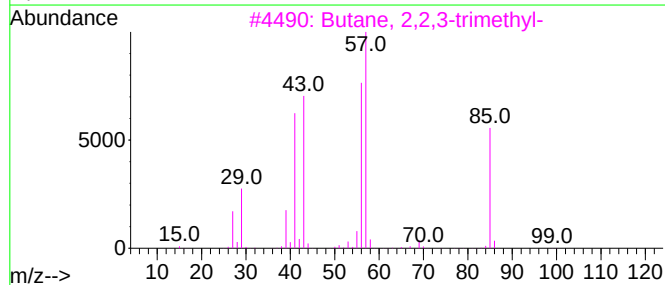
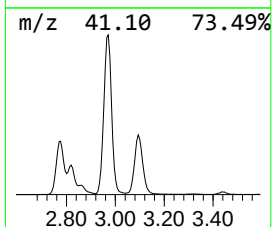
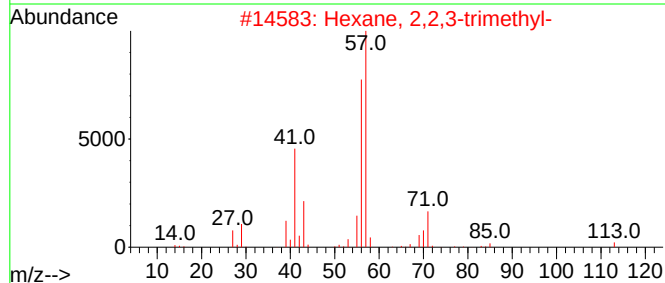
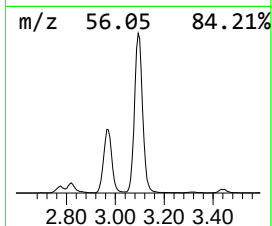
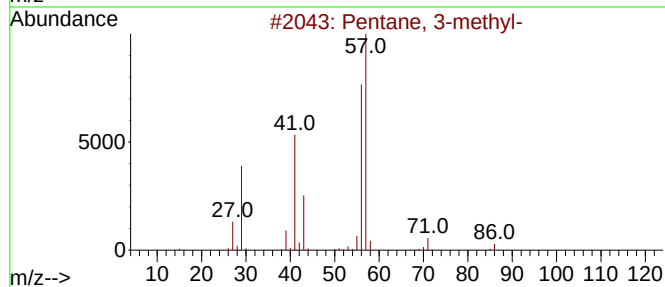
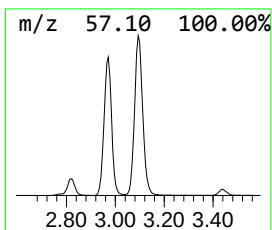
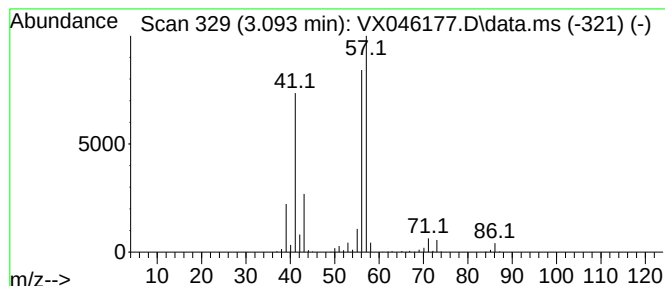
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 4 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.093	173.11 ug/l	882890	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4			1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	40
5			Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

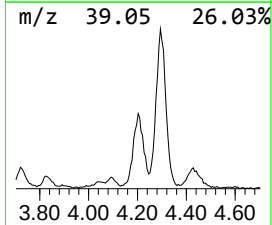
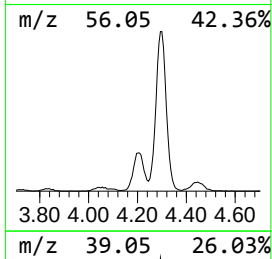
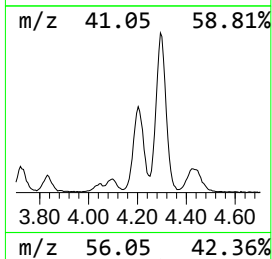
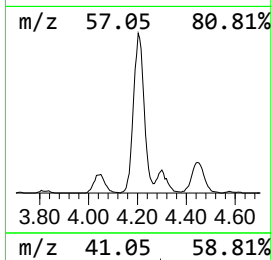
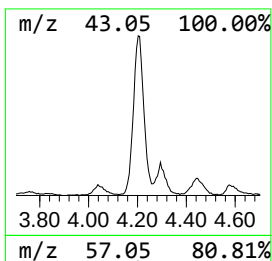
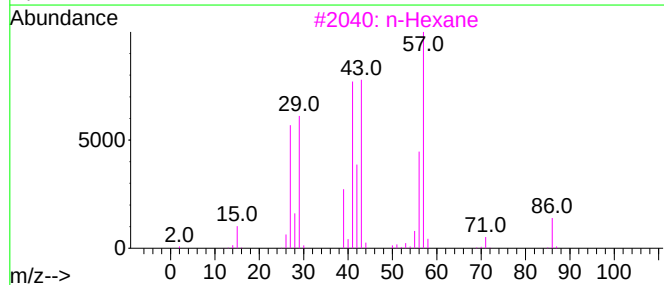
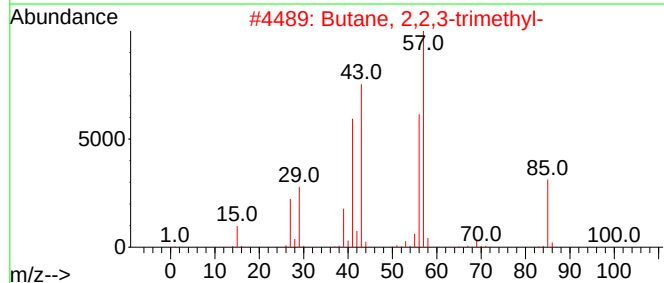
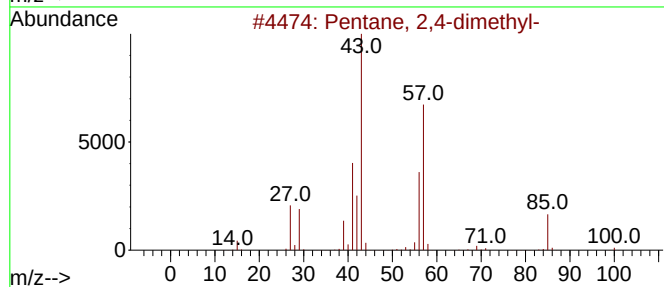
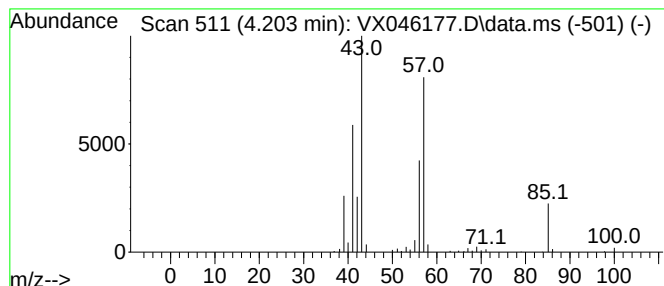
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Quant Title : SW846 8260

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

Peak Number 5 Pentane, 2,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.203	55.89 ug/l	285044	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
3			n-Hexane	86	C6H14	000110-54-3	53
4			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5			1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

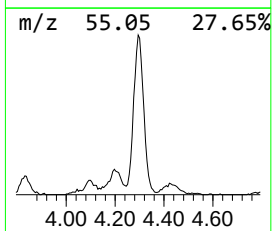
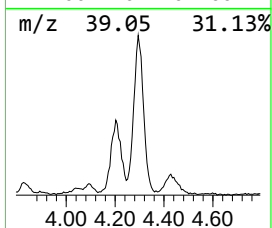
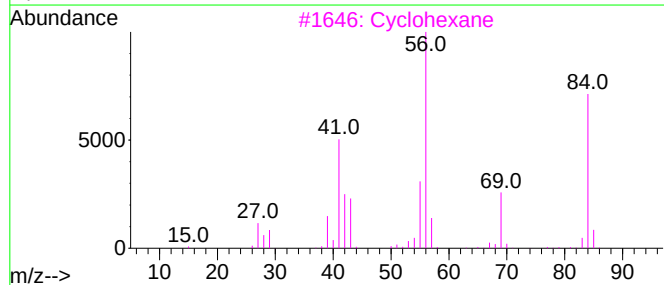
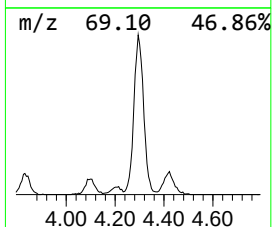
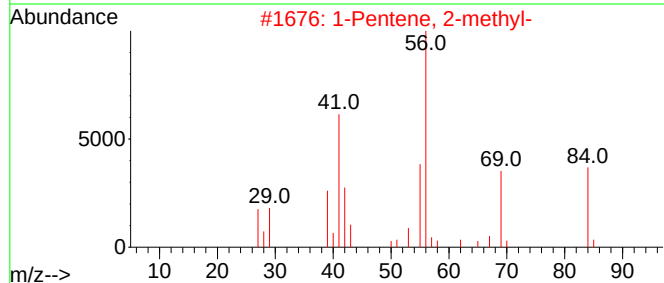
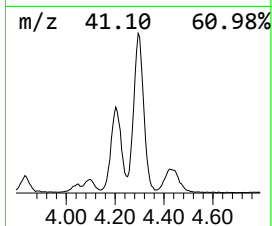
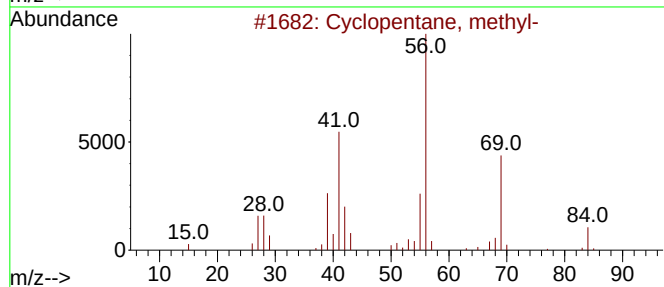
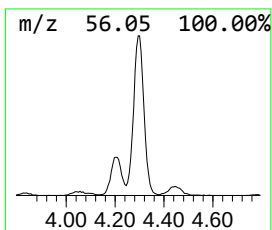
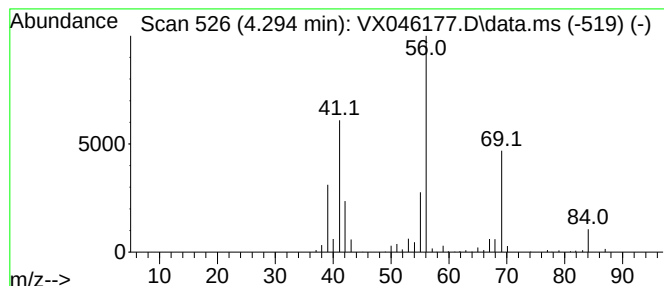
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.294	88.02 ug/l	448939	Pentafluorobenzene	5.550

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
3		Cyclohexane	84	C6H12	000110-82-7	78
4		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5		Cyclobutane, ethyl-	84	C6H12	004806-61-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

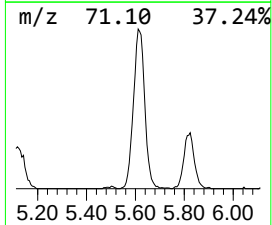
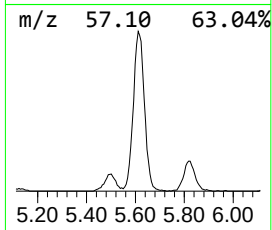
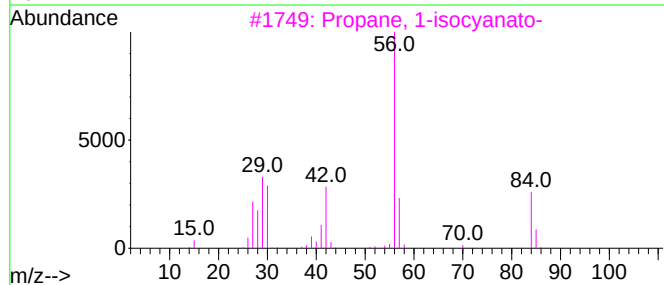
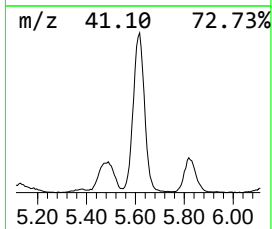
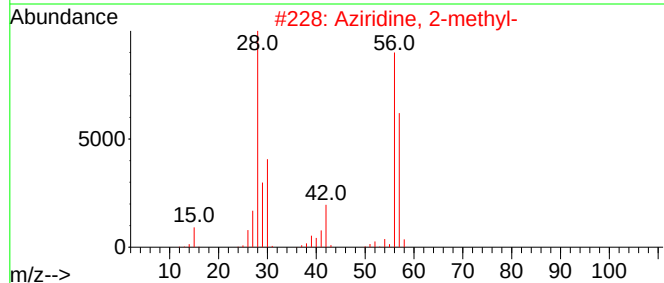
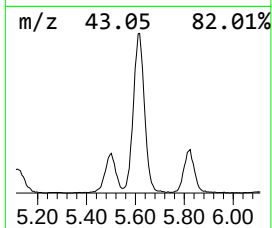
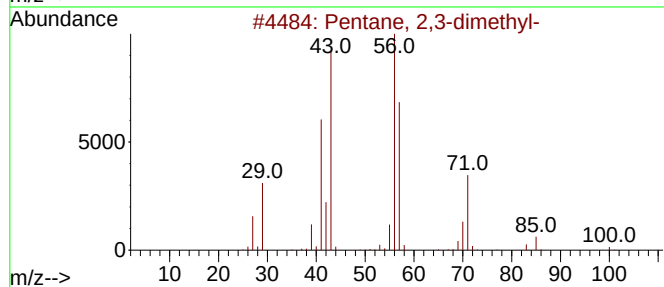
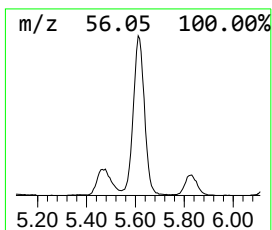
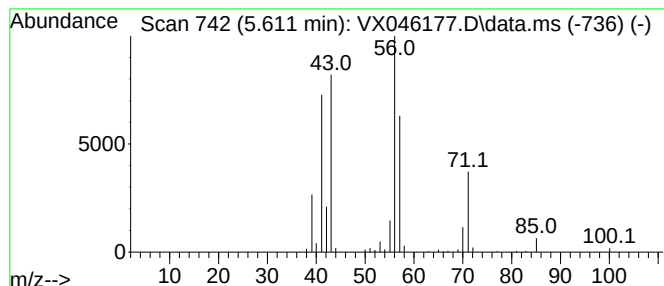
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Quant Title : SW846 8260

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

Peak Number 7 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.611	100.99 ug/l	515067	Pentafluorobenzene	5.550

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47
3			Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	40
4			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	37
5			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	33



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

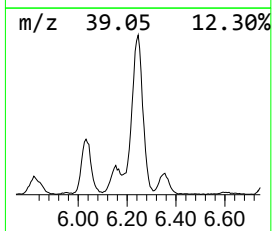
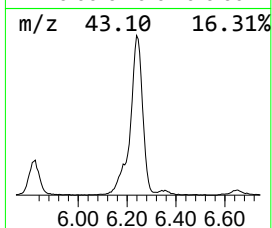
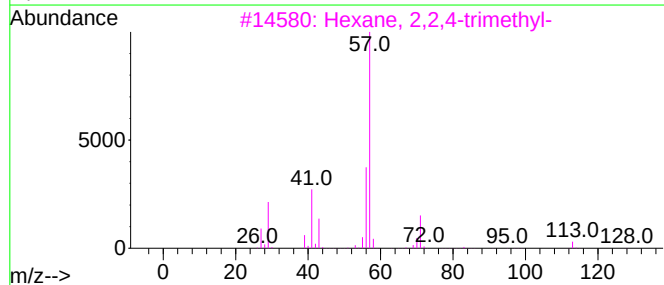
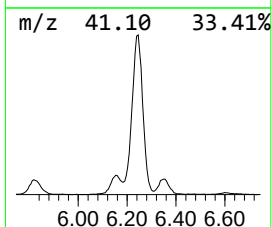
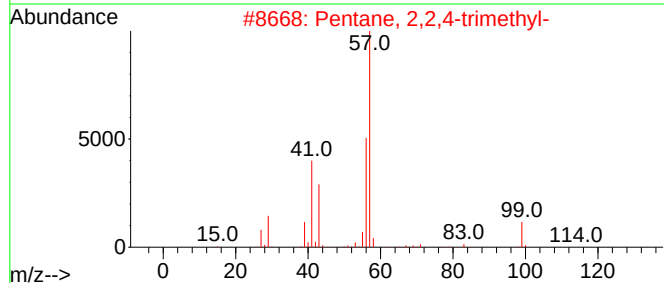
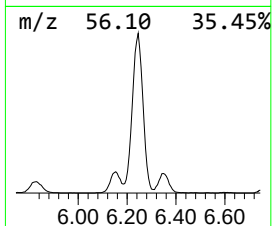
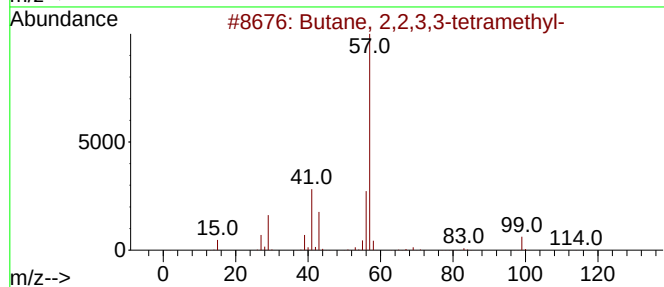
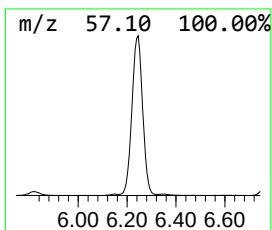
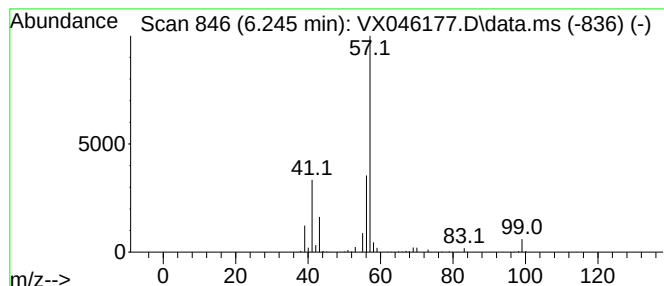
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Quant Title : SW846 8260

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

Peak Number 8 Butane, 2,2,3,3-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.245	186.75 ug/l	1329370	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
5			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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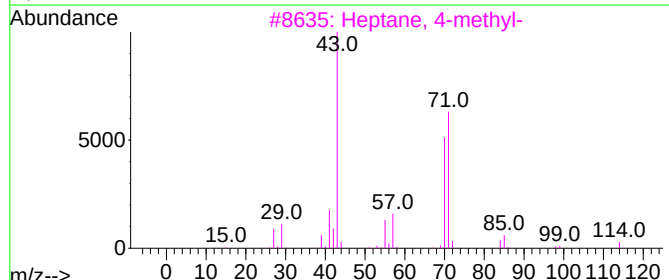
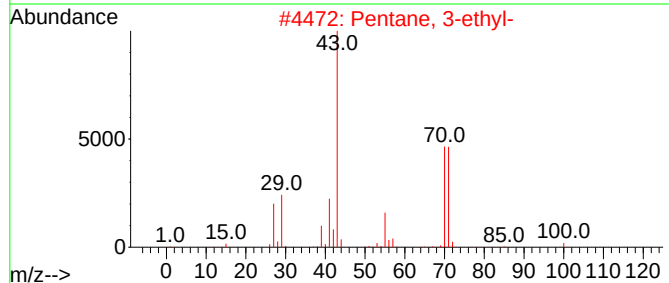
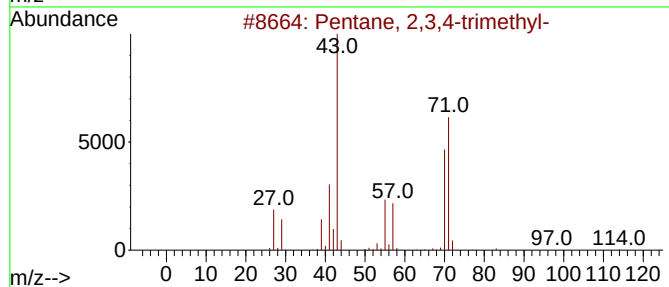
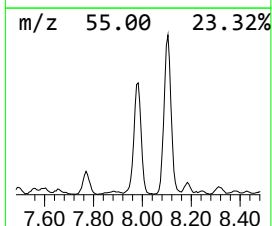
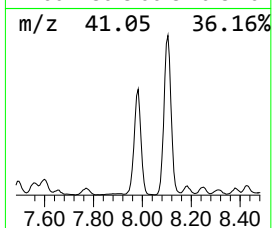
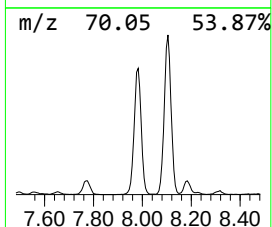
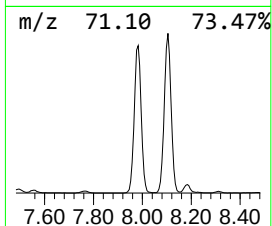
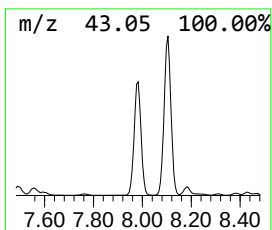
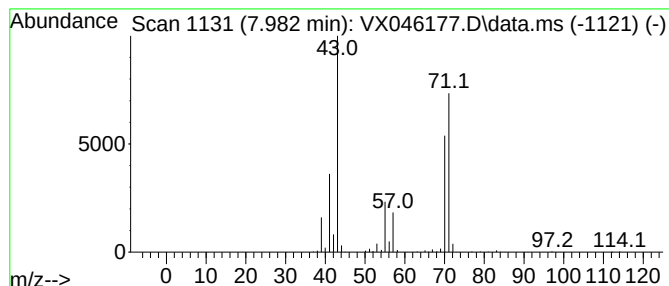
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Quant Title : SW846 8260

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

Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.982	119.24 ug/l	848767	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4			Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	64
5			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

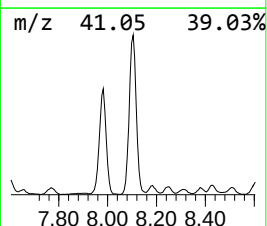
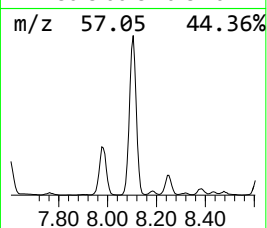
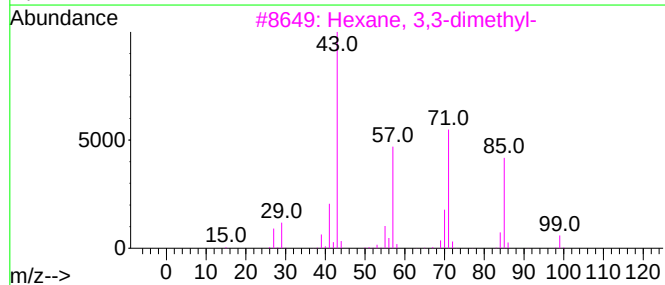
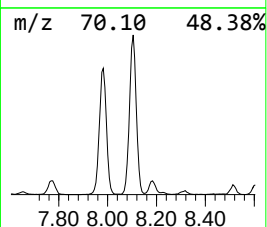
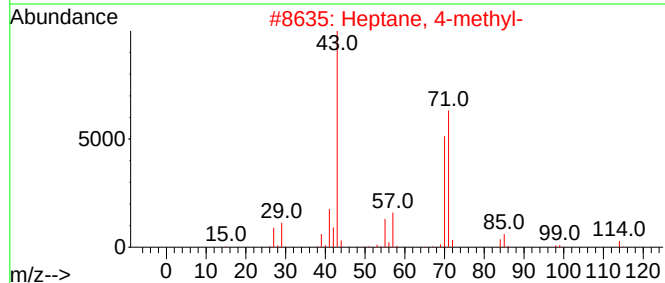
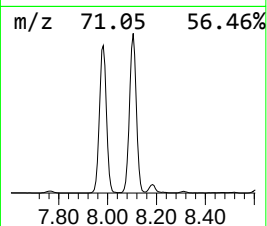
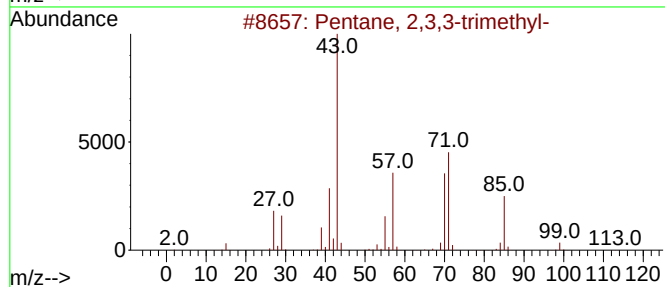
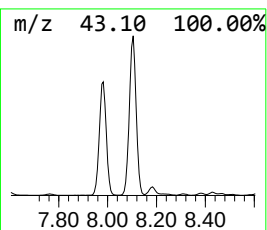
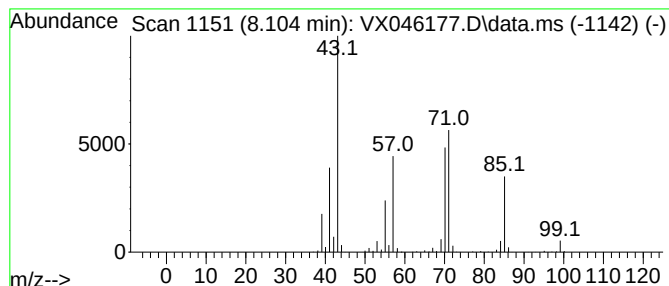
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Quant Title : SW846 8260

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

Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.104	196.34 ug/l	1397630	1,4-Difluorobenzene	6.757

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

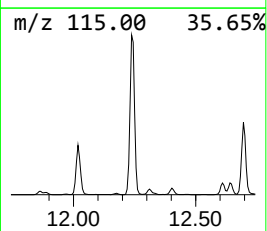
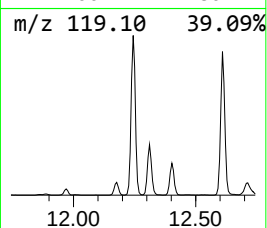
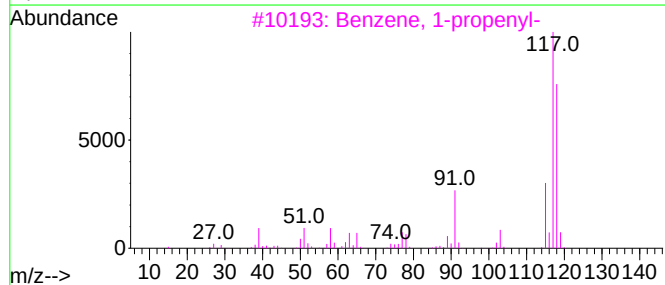
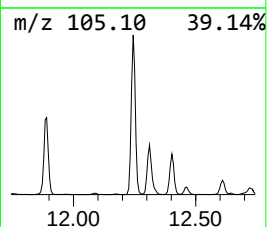
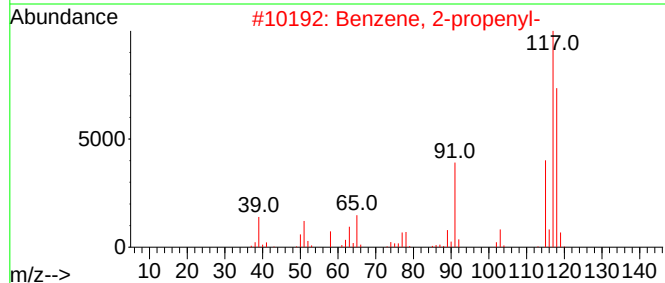
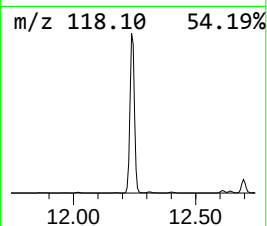
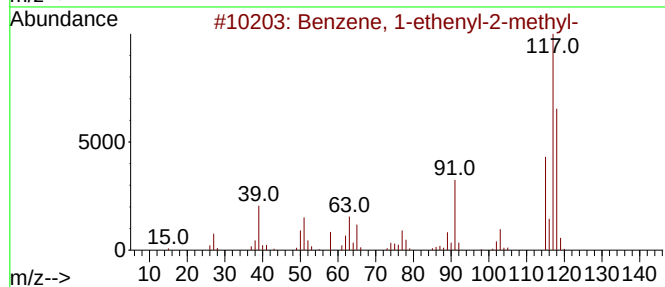
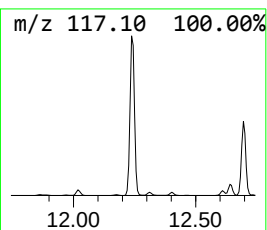
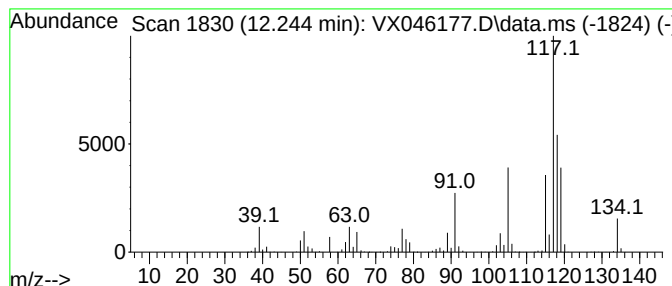
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Quant Title : SW846 8260

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

Peak Number 11 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	216.78 ug/l	1718190	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
2			Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3			Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5			Indane	118	C9H10	000496-11-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

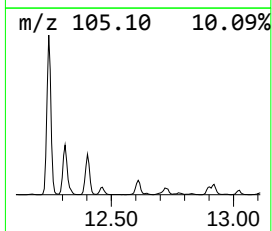
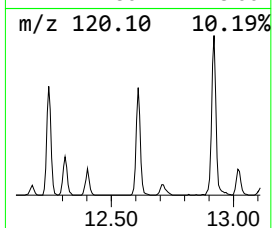
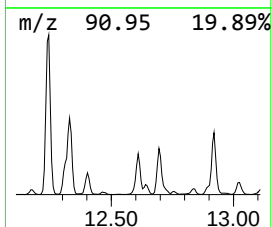
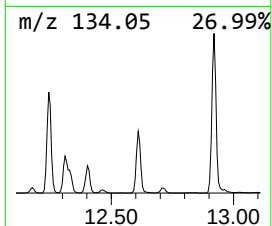
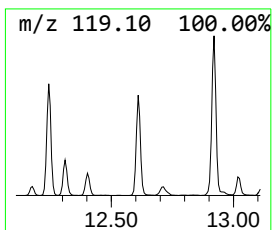
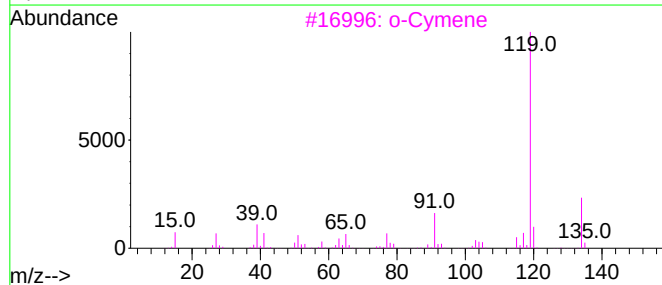
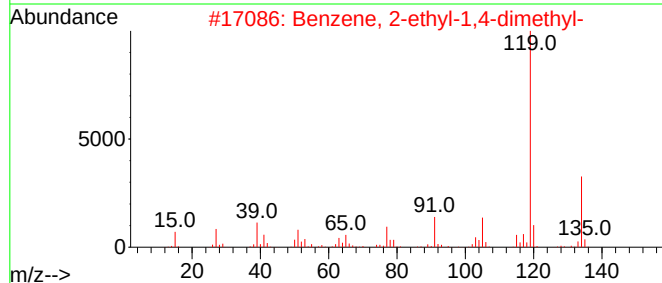
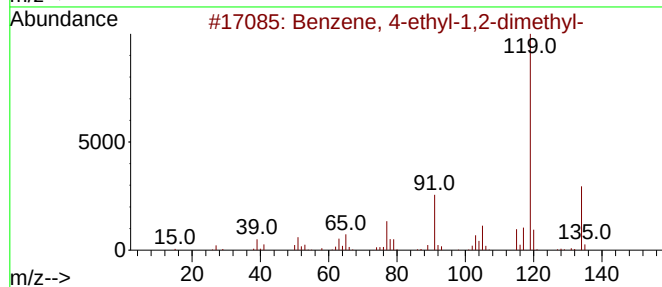
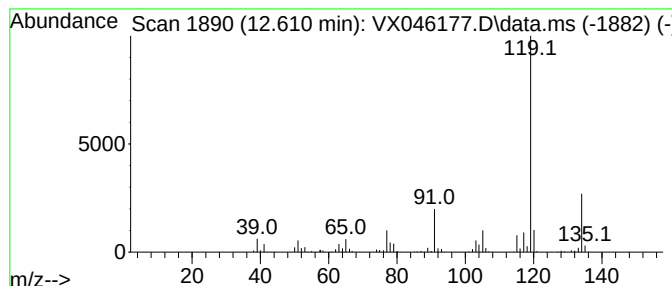
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	42.68 ug/l	338253	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			p-Cymene	134	C10H14	000099-87-6	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

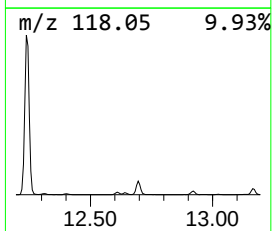
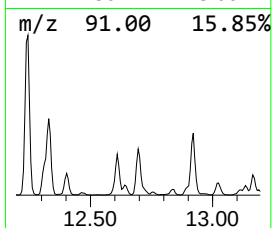
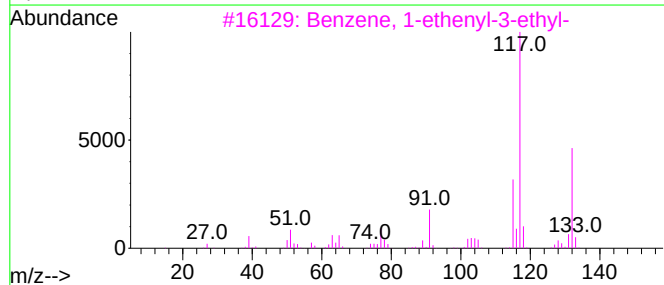
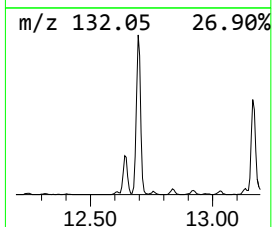
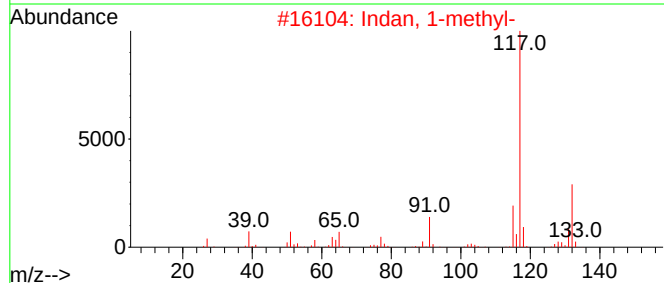
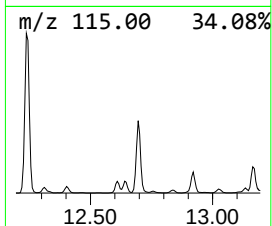
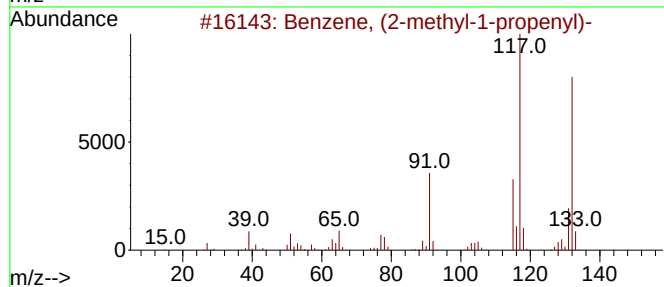
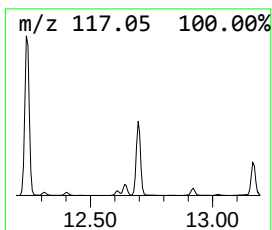
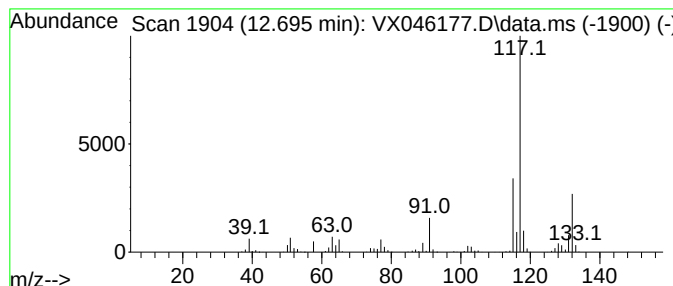
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Quant Title : SW846 8260

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

Peak Number 13 Benzene, (2-methyl-1-propen... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	68.75 ug/l	544918	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2			Indan, 1-methyl-	132	C10H12	000767-58-8	91
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
4			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

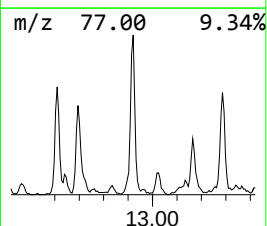
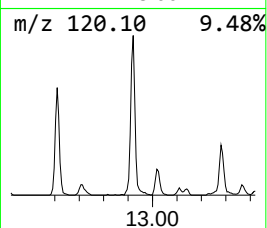
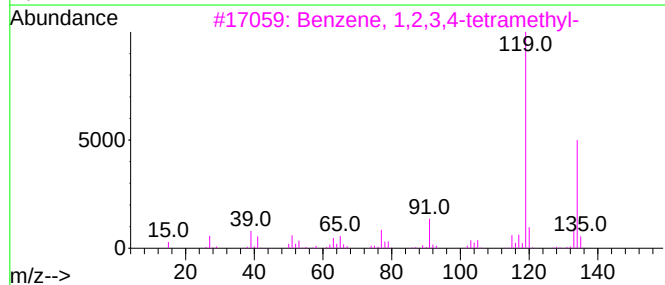
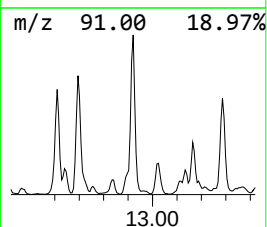
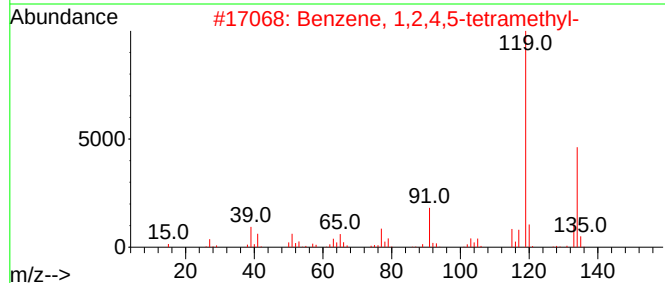
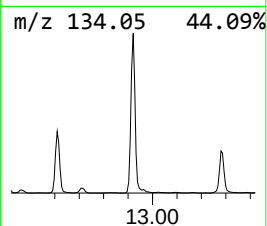
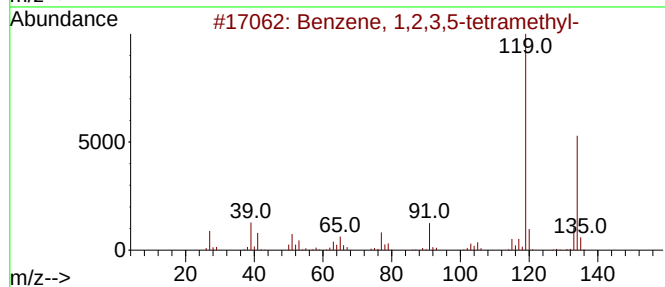
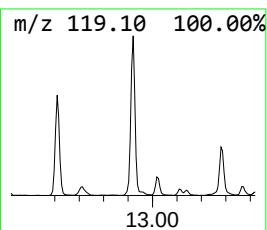
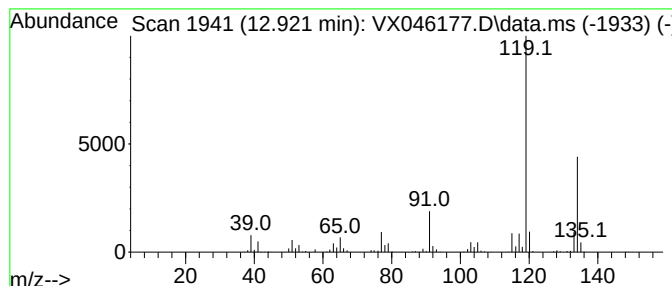
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.921	74.92 ug/l	593776	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

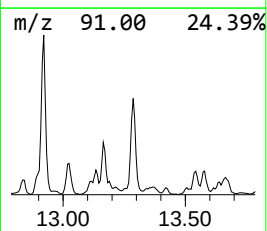
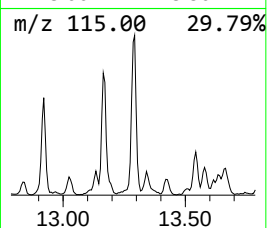
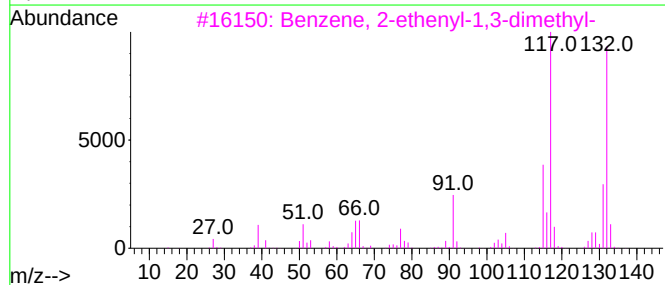
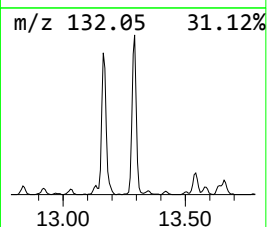
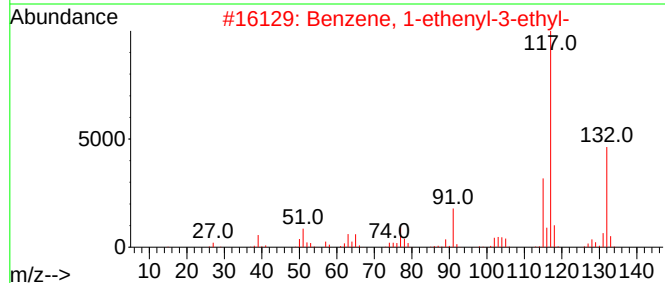
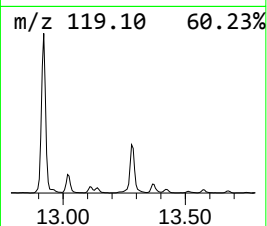
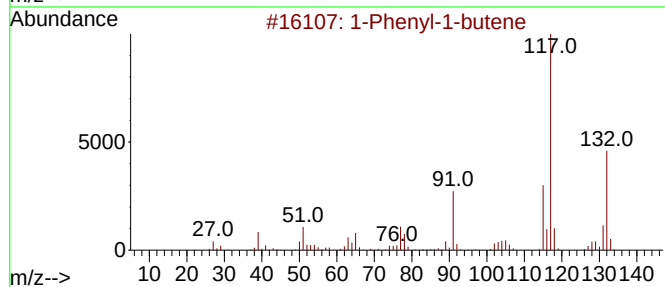
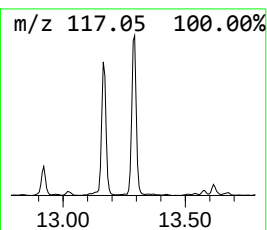
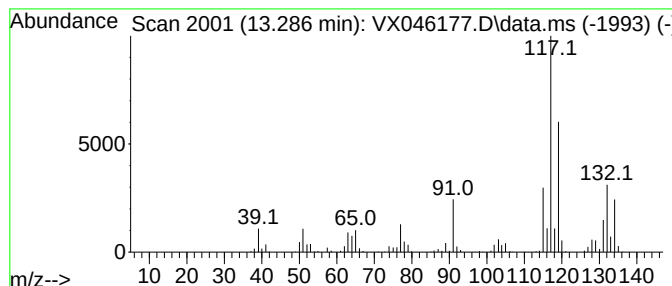
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 15 1-Phenyl-1-butene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	57.30 ug/l	454194	1,4-Dichlorobenzene-d4	12.018

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046177.D
Acq On : 13 May 2025 19:28
Operator : JC/MD
Sample : Q2018-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	1.734	193.0	ug/l	984396	1	5.550	255014	50.0
Butane, 2,3-dim...	2.770	207.5	ug/l	1058100	1	5.550	255014	50.0
unknown2.819	2.819	64.0	ug/l	326398	1	5.550	255014	50.0
Pentane, 3-methyl-	3.093	173.1	ug/l	882890	1	5.550	255014	50.0
Pentane, 2,4-di...	4.203	55.9	ug/l	285044	1	5.550	255014	50.0
Cyclopentane, m...	4.294	88.0	ug/l	448939	1	5.550	255014	50.0
Pentane, 2,3-di...	5.611	101.0	ug/l	515067	1	5.550	255014	50.0
Butane, 2,2,3,3...	6.245	186.8	ug/l	1329370	2	6.757	355920	50.0
Pentane, 2,3,4-...	7.982	119.2	ug/l	848767	2	6.757	355920	50.0
Pentane, 2,3,3-...	8.104	196.3	ug/l	1397630	2	6.757	355920	50.0
Benzene, 1-ethe...	12.244	216.8	ug/l	1718190	4	12.018	396296	50.0
Benzene, 4-ethy...	12.610	42.7	ug/l	338253	4	12.018	396296	50.0
Benzene, (2-met...	12.695	68.8	ug/l	544918	4	12.018	396296	50.0
Benzene, 1,2,3,...	12.921	74.9	ug/l	593776	4	12.018	396296	50.0
1-Phenyl-1-butene	13.286	57.3	ug/l	454194	4	12.018	396296	50.0

Report of Analysis

Client:	G Environmental			Date Collected:	05/12/25	
Project:	Hillside			Date Received:	05/12/25	
Client Sample ID:	MW2DL			SDG No.:	Q2018	
Lab Sample ID:	Q2018-04DL			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046193.D	40		05/14/25 14:45	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	12.8	UD	12.8	40.0	ug/L
75-01-4	Vinyl Chloride	10.4	UD	10.4	40.0	ug/L
74-83-9	Bromomethane	57.6	UD	57.6	200	ug/L
75-00-3	Chloroethane	18.8	UD	18.8	40.0	ug/L
75-65-0	Tert butyl alcohol	7300	D	220	1000	ug/L
75-35-4	1,1-Dichloroethene	9.20	UD	9.20	40.0	ug/L
67-64-1	Acetone	60.4	UD	60.4	200	ug/L
75-15-0	Carbon Disulfide	8.40	UD	8.40	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	6.40	UD	6.40	40.0	ug/L
75-09-2	Methylene Chloride	11.2	UD	11.2	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	9.20	UD	9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	UD	9.20	40.0	ug/L
78-93-3	2-Butanone	39.2	UD	39.2	200	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	10.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.60	UD	7.60	40.0	ug/L
67-66-3	Chloroform	10.0	UD	10.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	UD	8.00	40.0	ug/L
71-43-2	Benzene	51.5	D	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	UD	8.80	40.0	ug/L
79-01-6	Trichloroethene	3.70	UD	3.70	40.0	ug/L
78-87-5	1,2-Dichloropropane	8.00	UD	8.00	40.0	ug/L
75-27-4	Bromodichloromethane	8.80	UD	8.80	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	27.2	UD	27.2	200	ug/L
108-88-3	Toluene	5.60	UD	5.60	40.0	ug/L
10061-02-6	t-1,3-Dichloropropene	6.80	UD	6.80	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	6.40	UD	6.40	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	UD	8.40	40.0	ug/L
591-78-6	2-Hexanone	35.6	UD	35.6	200	ug/L
124-48-1	Dibromochloromethane	7.20	UD	7.20	40.0	ug/L
127-18-4	Tetrachloroethene	9.20	UD	9.20	40.0	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	05/12/25	
Project:	Hillside			Date Received:	05/12/25	
Client Sample ID:	MW2DL			SDG No.:	Q2018	
Lab Sample ID:	Q2018-04DL			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046193.D	40		05/14/25 14:45	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	4.80	UD	4.80	40.0	ug/L
100-41-4	Ethyl Benzene	5.20	UD	5.20	40.0	ug/L
179601-23-1	m/p-Xylenes	9.60	UD	9.60	80.0	ug/L
95-47-6	o-Xylene	4.80	UD	4.80	40.0	ug/L
100-42-5	Styrene	6.00	UD	6.00	40.0	ug/L
75-25-2	Bromoform	7.60	UD	7.60	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.4	UD	10.4	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	71200	5.55			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	132000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	59000	12.018			

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_X\Data\VX051425\
 Data File : VX046193.D
 Acq On : 14 May 2025 14:45
 Operator : JC/MD
 Sample : Q2018-04DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2DL

Quant Time: May 15 01:23:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

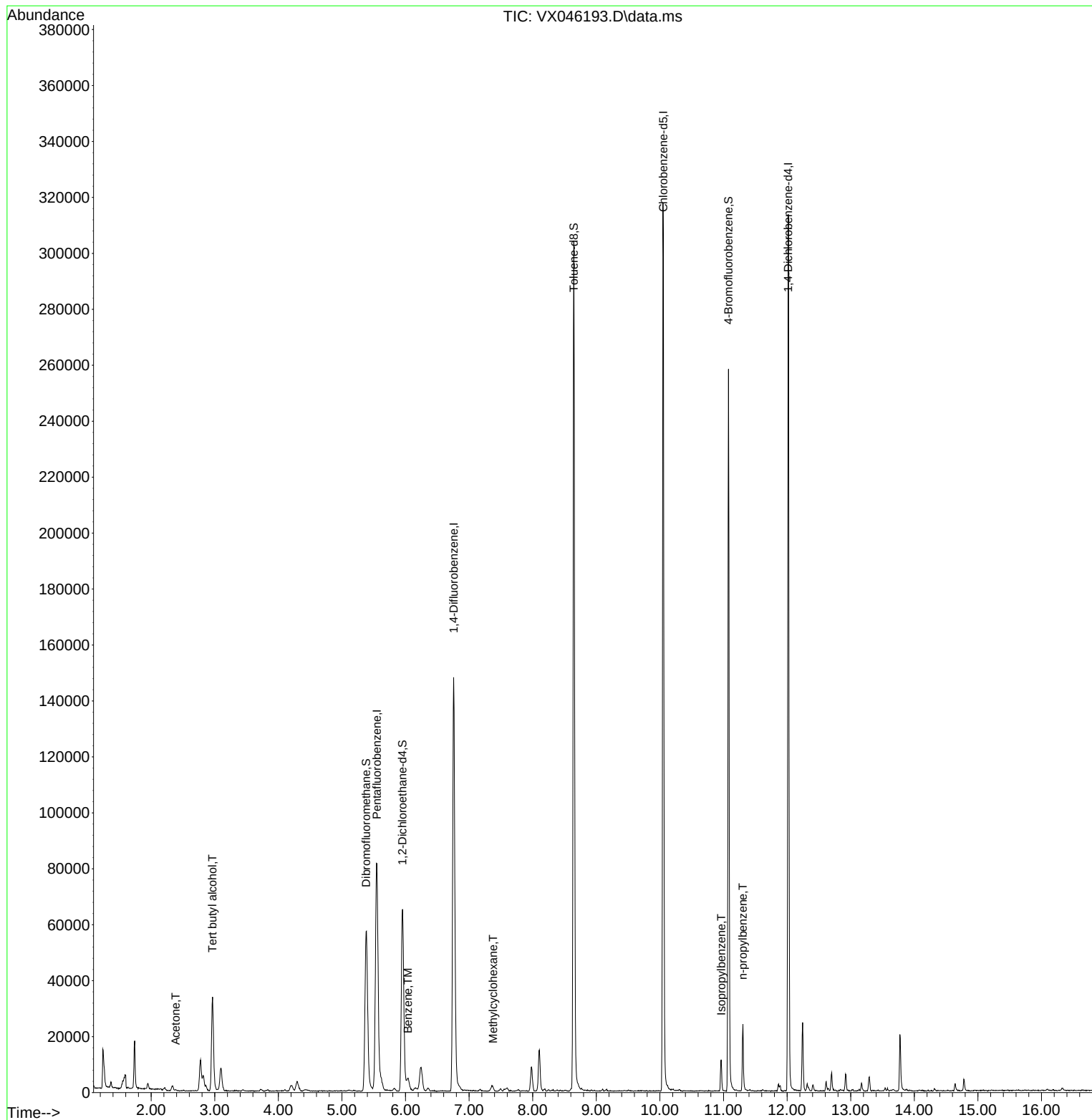
Internal Standards						
1) Pentafluorobenzene	5.550	168	71196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68079	51.291	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.580%		
35) Dibromofluoromethane	5.379	113	50731	50.351	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.700%		
50) Toluene-d8	8.647	98	176120	50.504	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.000%		
62) 4-Bromofluorobenzene	11.079	95	68773	51.413	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	34055	182.781	ug/l	98
16) Acetone	2.386	43	449	0.844	ug/l	97
39) Methylcyclohexane	7.379	83	480	0.275	ug/l #	81
40) Benzene	6.037	78	5105	1.287	ug/l #	89
73) Isopropylbenzene	10.963	105	6043	1.316	ug/l	97
78) n-propylbenzene	11.305	91	15400	2.883	ug/l	99

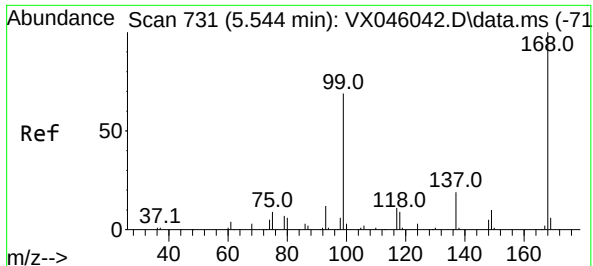
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046193.D
Acq On : 14 May 2025 14:45
Operator : JC/MD
Sample : Q2018-04DL 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2DL

Quant Time: May 15 01:23:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

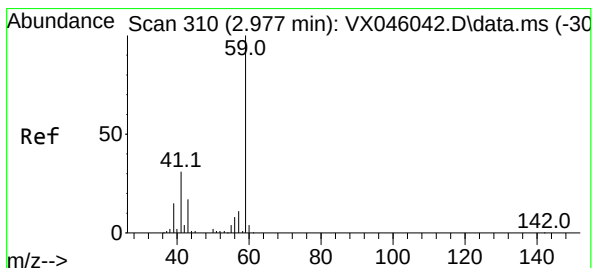
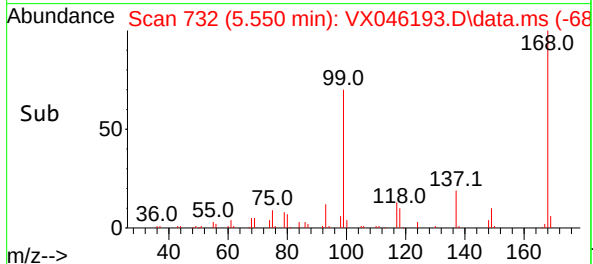
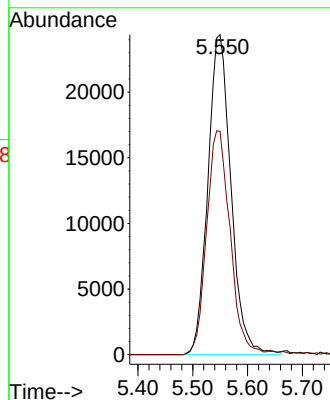
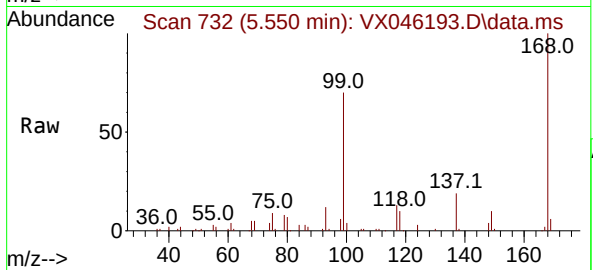




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046193.D
Acq: 14 May 2025 14:45

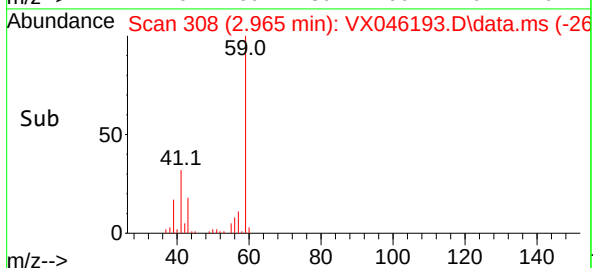
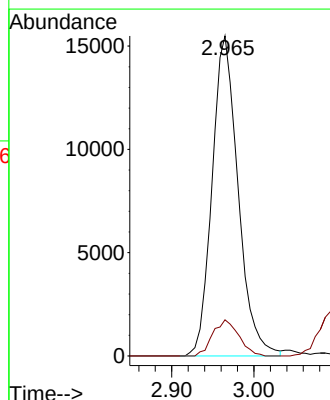
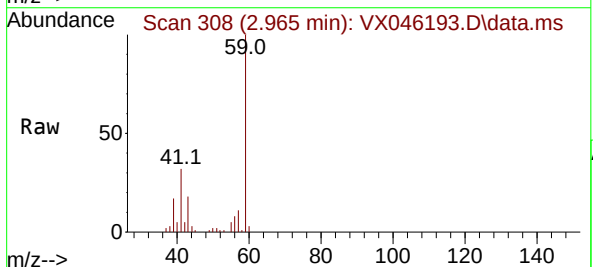
Instrument :
MSVOA_X
ClientSampleId :
MW2DL

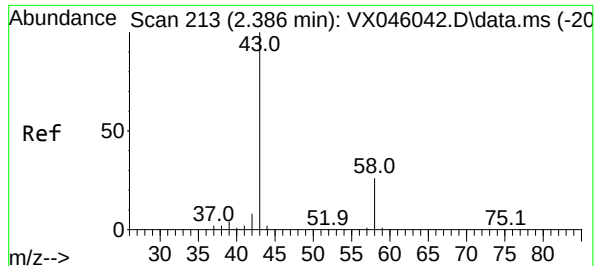
Tgt Ion:168 Resp: 71196
Ion Ratio Lower Upper
168 100
99 69.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 182.781 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046193.D
Acq: 14 May 2025 14:45

Tgt Ion: 59 Resp: 34055
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8





#16

Acetone

Concen: 0.844 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

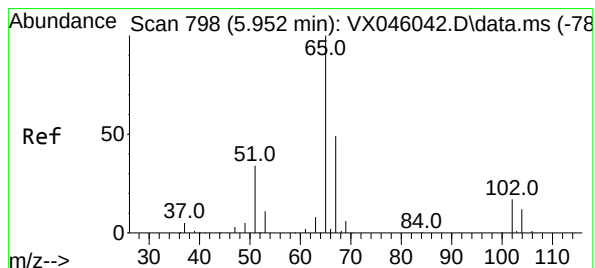
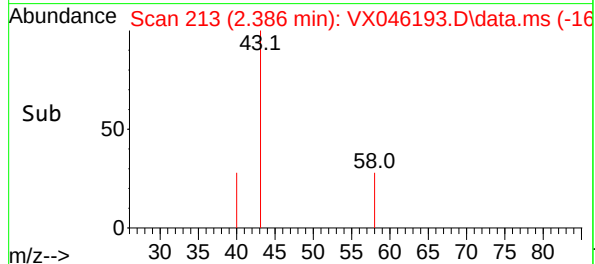
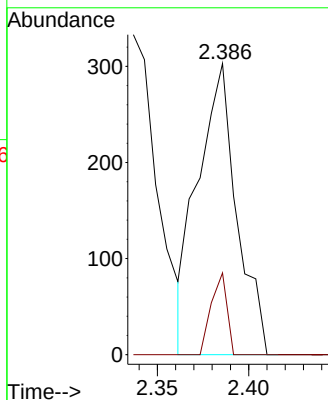
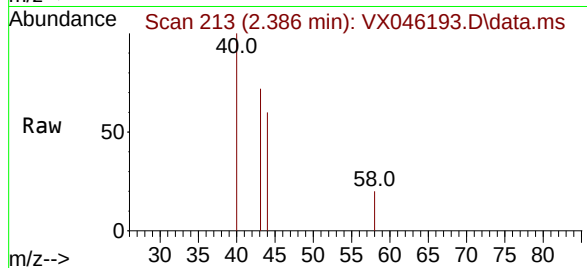
MW2DL

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 28.1 21.2 31.8



#33

1,2-Dichloroethane-d4

Concen: 51.291 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046193.D

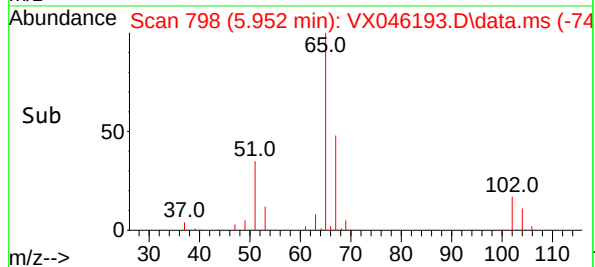
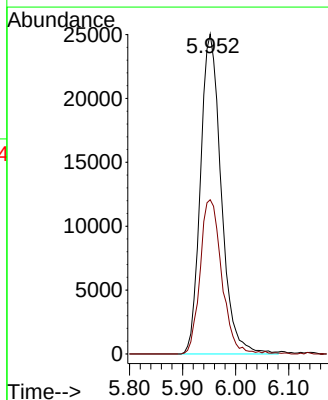
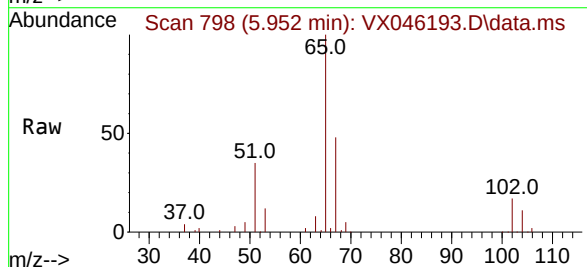
Acq: 14 May 2025 14:45

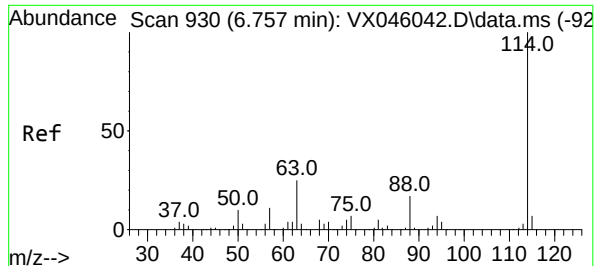
Tgt Ion: 65 Resp: 68079

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

MW2DL

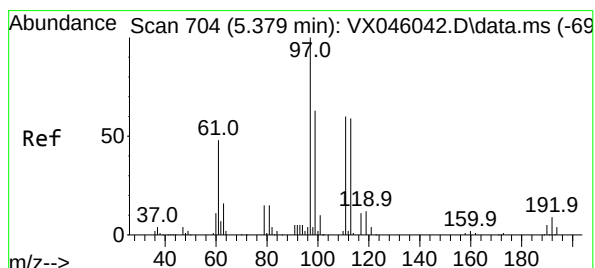
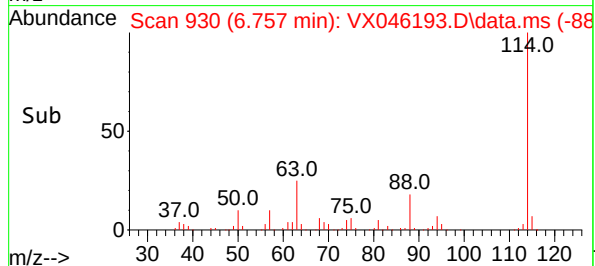
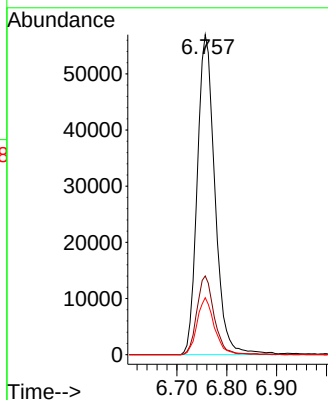
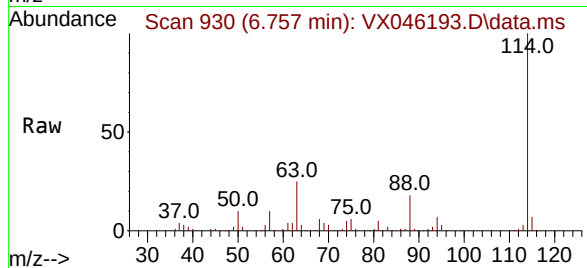
Tgt Ion:114 Resp: 139917

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.351 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

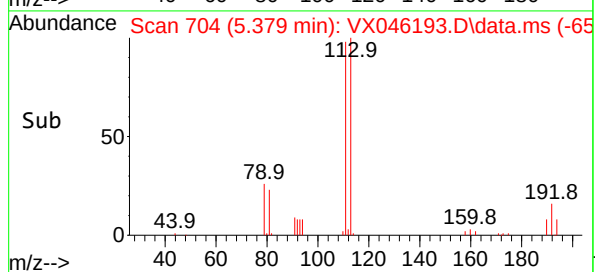
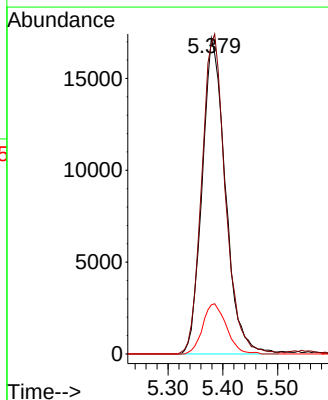
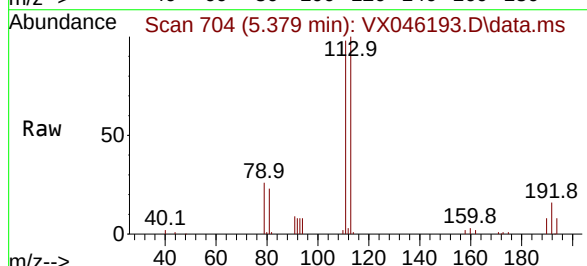
Tgt Ion:113 Resp: 50731

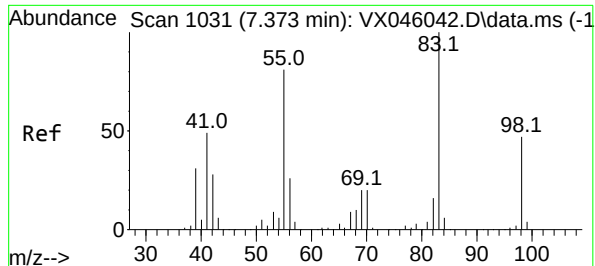
Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

192 16.1 13.3 19.9





#39

Methylcyclohexane

Concen: 0.275 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

MW2DL

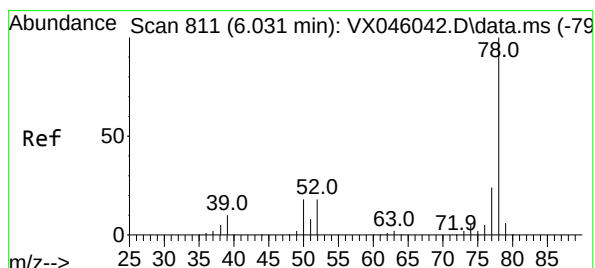
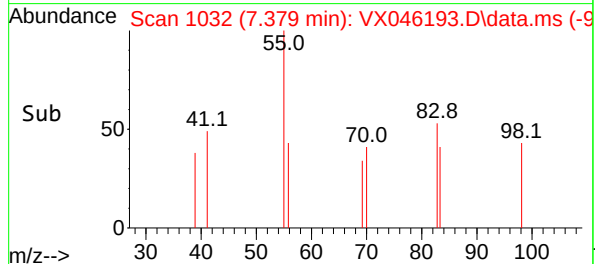
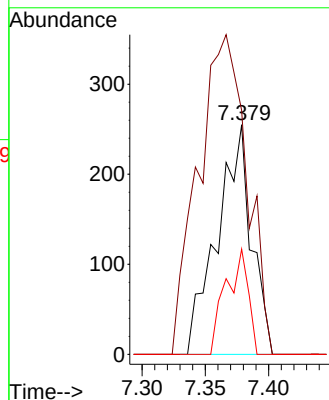
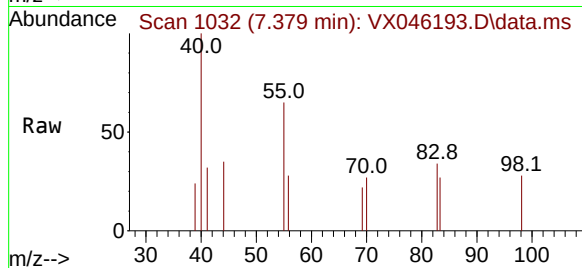
Tgt Ion: 83 Resp: 480

Ion Ratio Lower Upper

83 100

55 106.3 64.7 97.1#

98 45.9 37.4 56.2



#40

Benzene

Concen: 1.287 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX046193.D

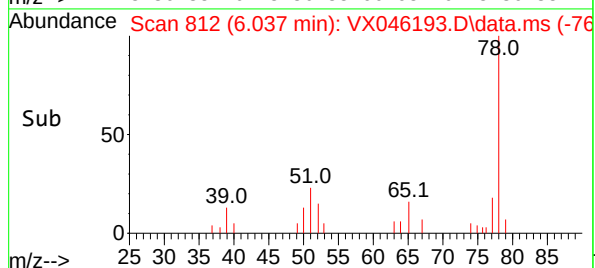
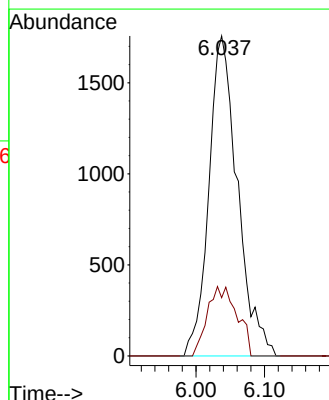
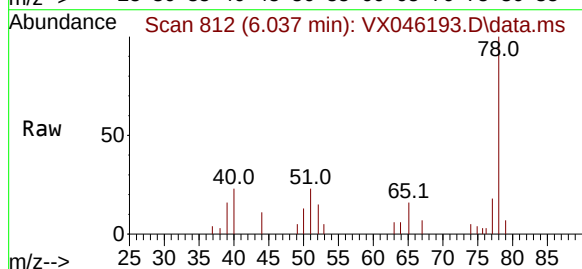
Acq: 14 May 2025 14:45

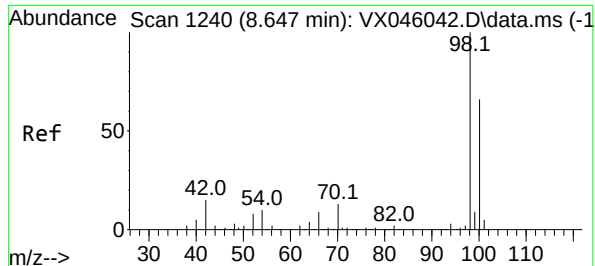
Tgt Ion: 78 Resp: 5105

Ion Ratio Lower Upper

78 100

77 18.2 19.0 28.4#





#50

Toluene-d8

Concen: 50.504 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

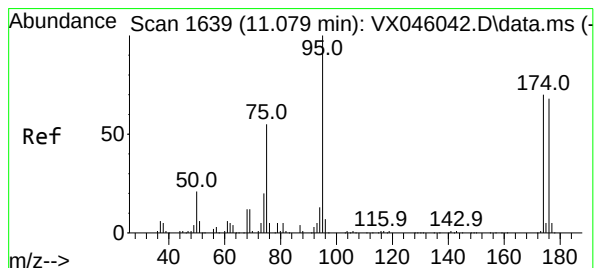
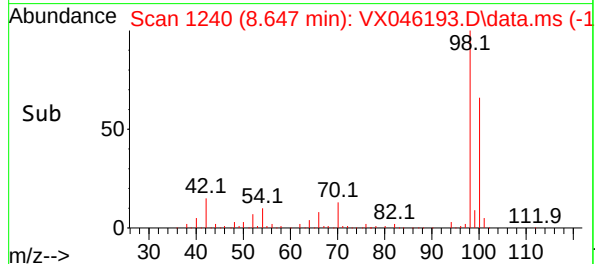
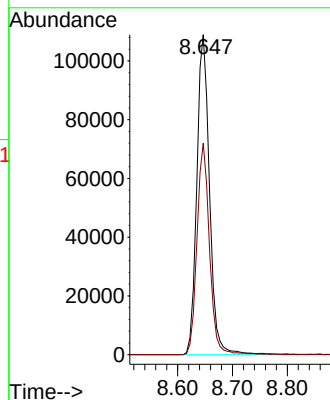
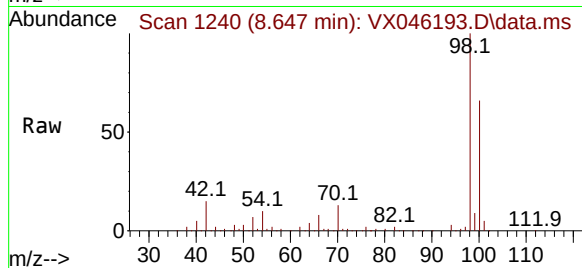
MW2DL

Tgt Ion: 98 Resp: 176120

Ion Ratio Lower Upper

98 100

100 65.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.413 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

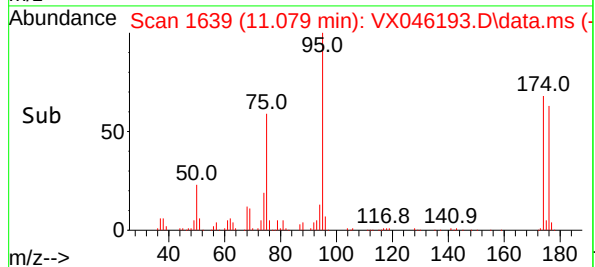
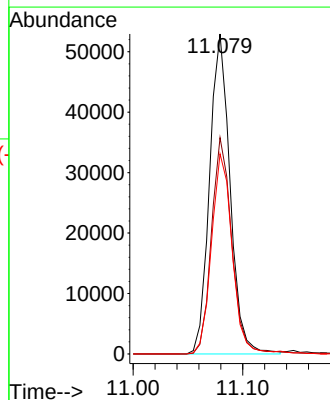
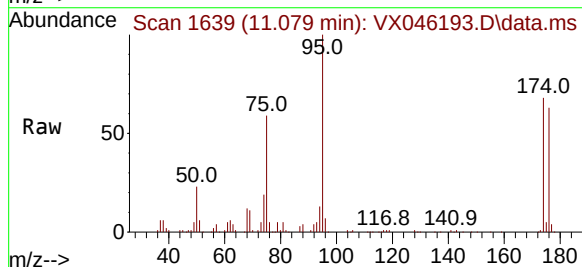
Tgt Ion: 95 Resp: 68773

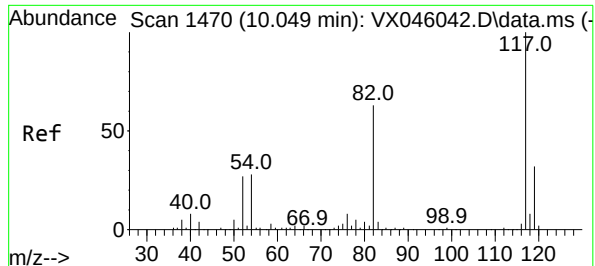
Ion Ratio Lower Upper

95 100

174 67.5 0.0 135.8

176 63.5 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

MW2DL

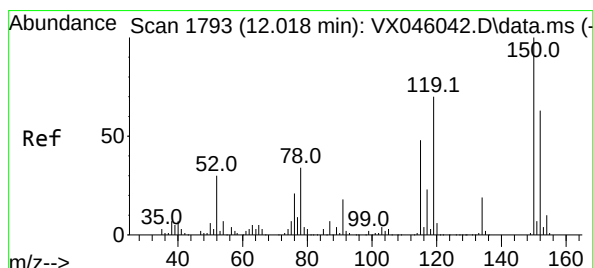
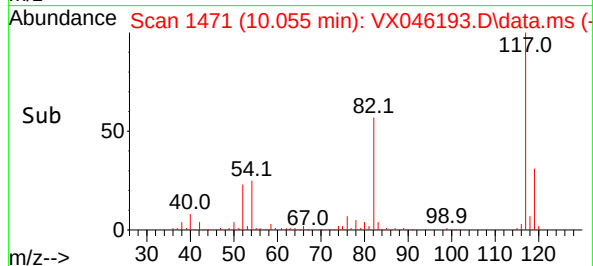
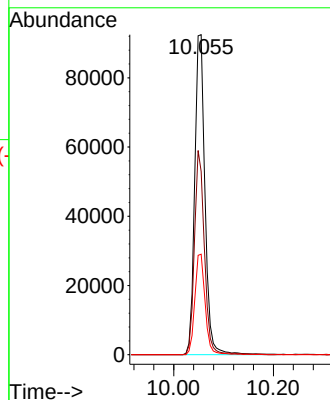
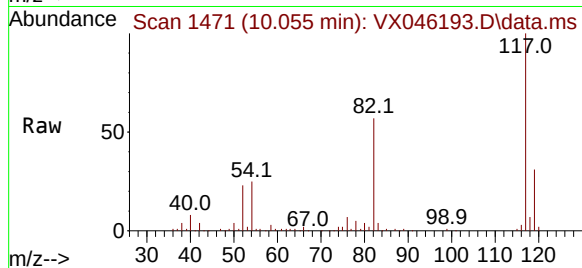
Tgt Ion:117 Resp: 132344

Ion Ratio Lower Upper

117 100

82 57.3 50.6 76.0

119 31.4 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

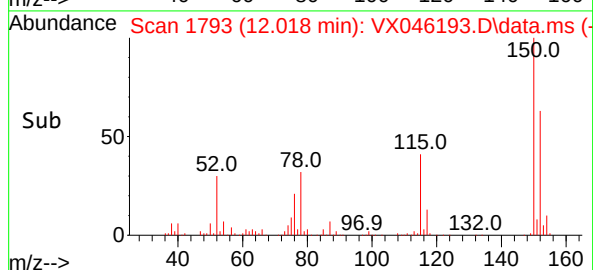
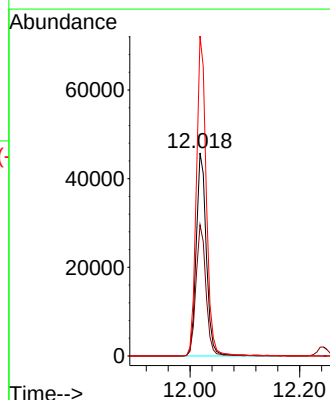
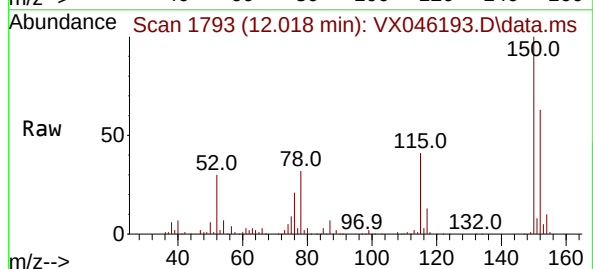
Tgt Ion:152 Resp: 59001

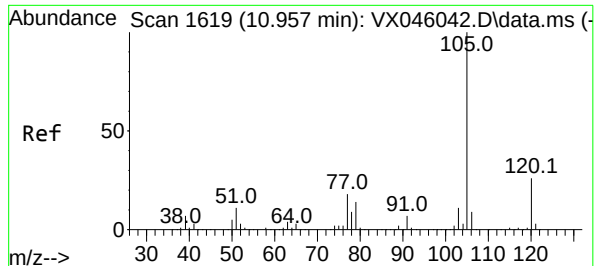
Ion Ratio Lower Upper

152 100

115 64.0 46.9 140.7

150 154.6 0.0 351.0





#73

Isopropylbenzene

Concen: 1.316 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX046193.D

Acq: 14 May 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

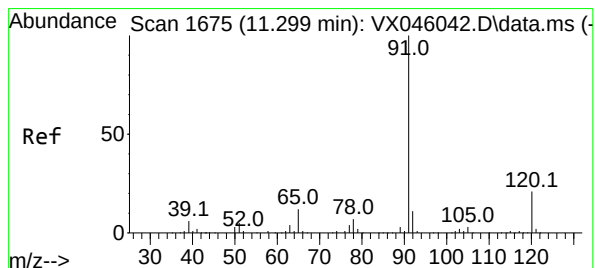
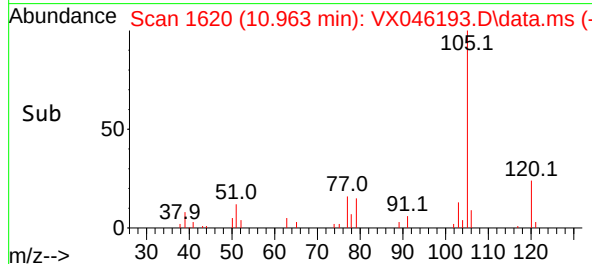
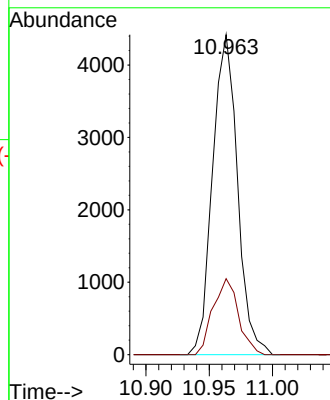
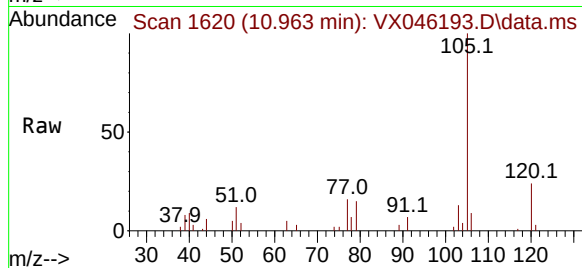
MW2DL

Tgt Ion:105 Resp: 6043

Ion Ratio Lower Upper

105 100

120 24.2 12.8 38.4



#78

n-propylbenzene

Concen: 2.883 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046193.D

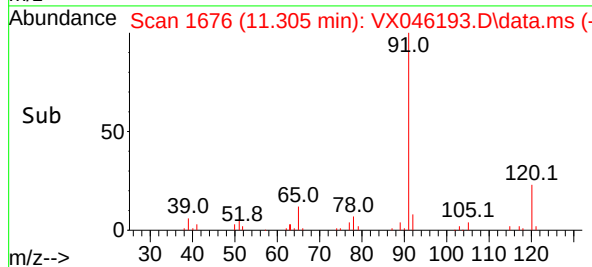
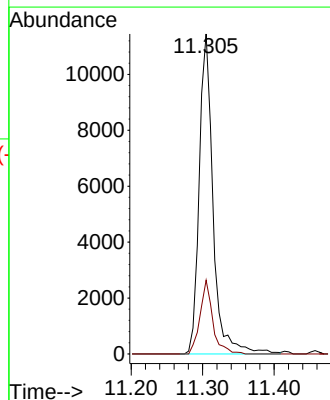
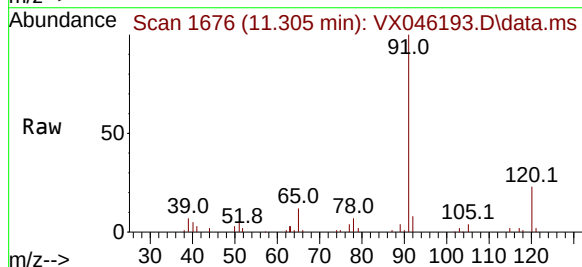
Acq: 14 May 2025 14:45

Tgt Ion: 91 Resp: 15400

Ion Ratio Lower Upper

91 100

120 21.2 10.8 32.4



Report of Analysis

Client:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	MW3	SDG No.:	Q2018
Lab Sample ID:	Q2018-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046178.D	1		05/13/25 19:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	140		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	8.30		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.74	J	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	MW3	SDG No.:	Q2018
Lab Sample ID:	Q2018-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046178.D	1		05/13/25 19:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66200	5.55			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53600	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						
000590-73-8	Hexane, 2,2-dimethyl-	23.7	J		6.24	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	20.6	J		7.98	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	41.5	J		8.10	ug/L
000594-60-5	2-Butanol, 2,3-dimethyl-	83.9	J		8.42	ug/L
000590-50-1	2-Pentanone, 4,4-dimethyl-	8.60	J		9.24	ug/L
002568-93-6	unknown9.445	15.6	J		9.45	ug/L
1000202-23-1	3,4-Dimethyl-2-pentanone	7.60	J		9.95	ug/L
98-82-8	Isopropylbenzene	3.50	J		11.0	ug/L
103-65-1	n-propylbenzene	0.63	J		11.3	ug/L
98-06-6	tert-Butylbenzene	1.30	J		11.7	ug/L
000135-01-3	Benzene, 1,2-diethyl-	6.80	J		12.2	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	11.2	J		12.9	ug/L
000577-55-9	Benzene, 1,2-bis(1-methylethyl)-	5.20	J		13.2	ug/L
91-20-3	Naphthalene	1.50	J		13.8	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	05/12/25	
Project:	Hillside			Date Received:	05/12/25	
Client Sample ID:	MW3			SDG No.:	Q2018	
Lab Sample ID:	Q2018-05			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046178.D	1		05/13/25 19:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000700-12-9	Benzene, pentamethyl-	7.30	J		14.3	ug/L

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_X\Data\VX051325\
 Data File : VX046178.D
 Acq On : 13 May 2025 19:52
 Operator : JC/MD
 Sample : Q2018-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

Quant Time: May 14 01:47:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

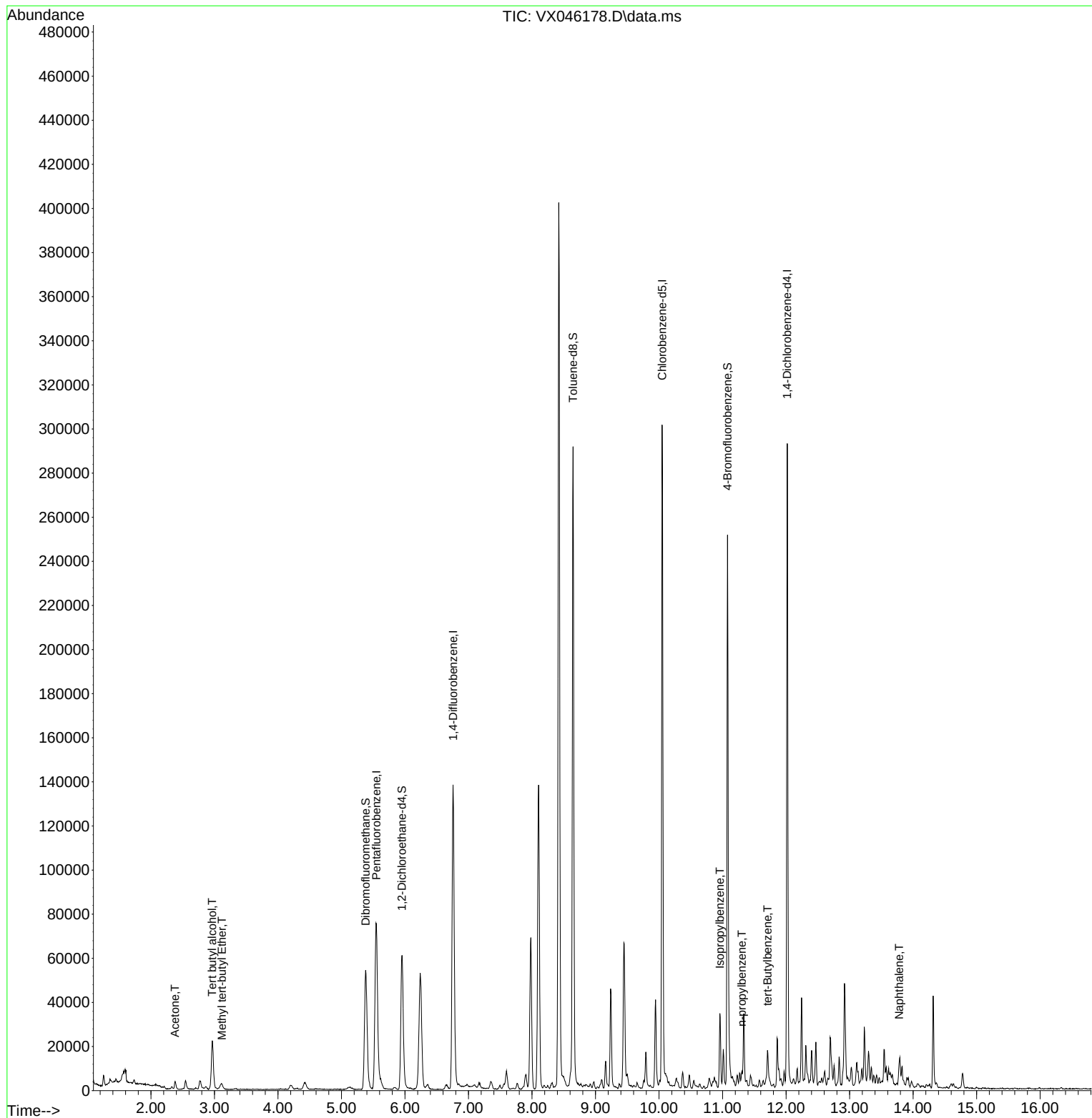
Internal Standards						
1) Pentafluorobenzene	5.550	168	66235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64423	52.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.340%	
35) Dibromofluoromethane	5.379	113	47187	49.886	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.780%	
50) Toluene-d8	8.647	98	166658	50.906	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	67085	53.420	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	23539	135.802	ug/l	100
16) Acetone	2.380	43	4109	8.299	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	2047	0.743	ug/l #	65
73) Isopropylbenzene	10.957	105	14714	3.527	ug/l	98
78) n-propylbenzene	11.305	91	3075	0.634	ug/l	96
83) tert-Butylbenzene	11.707	119	4505	1.283	ug/l	79
95) Naphthalene	13.780	128	5521	1.478	ug/l #	93

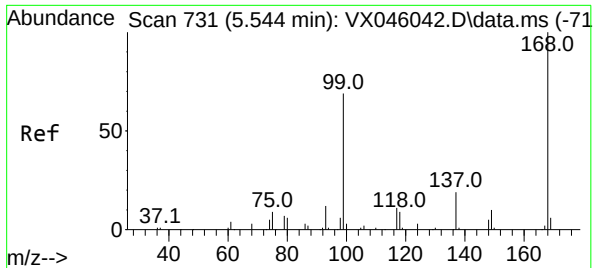
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

Quant Time: May 14 01:47:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

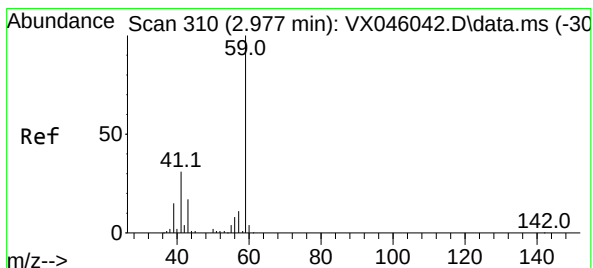
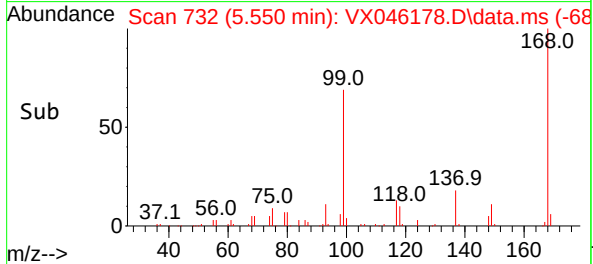
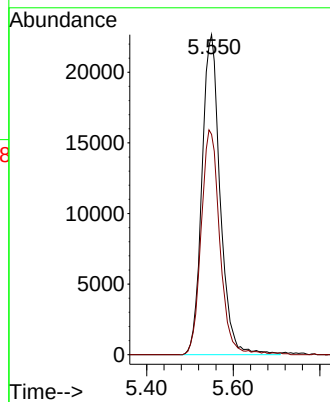
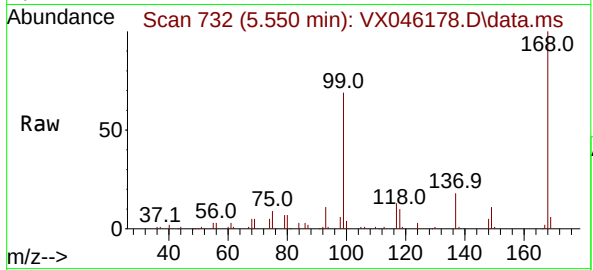




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046178.D
Acq: 13 May 2025 19:52

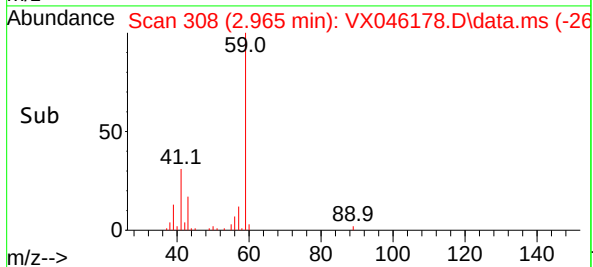
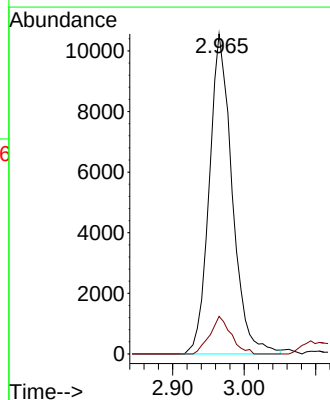
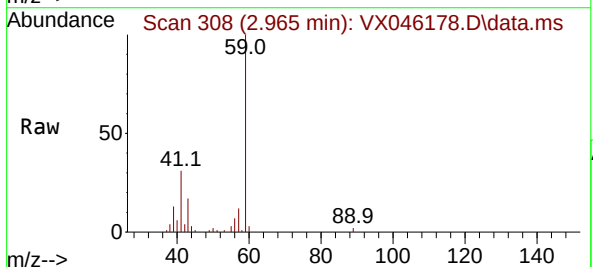
Instrument :
MSVOA_X
ClientSampleId :
MW3

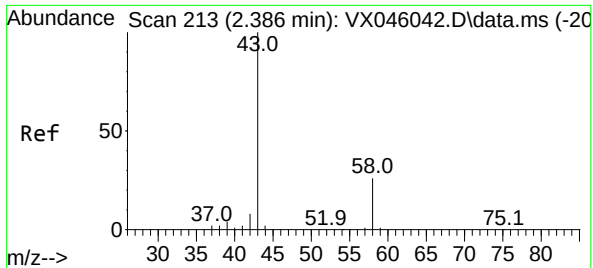
Tgt Ion:168 Resp: 66235
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 135.802 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046178.D
Acq: 13 May 2025 19:52

Tgt Ion: 59 Resp: 23539
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

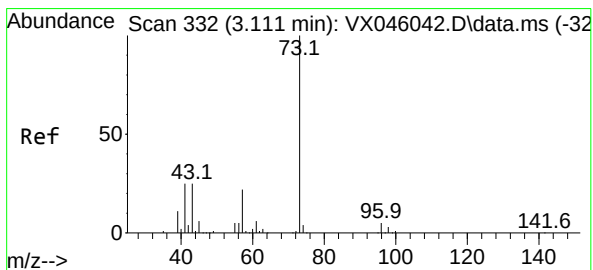
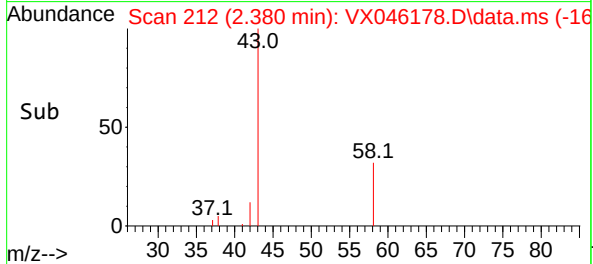
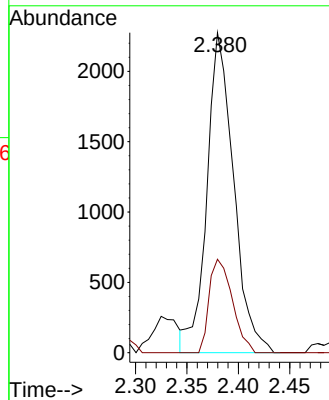
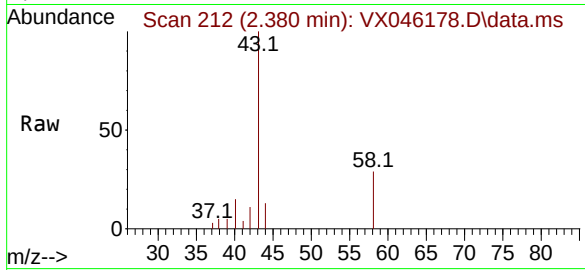




#16
Acetone
Concen: 8.299 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046178.D
Acq: 13 May 2025 19:52

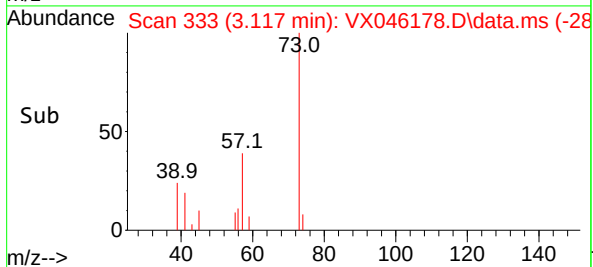
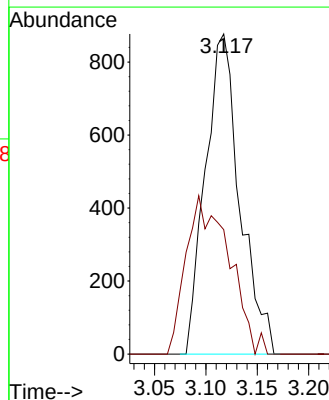
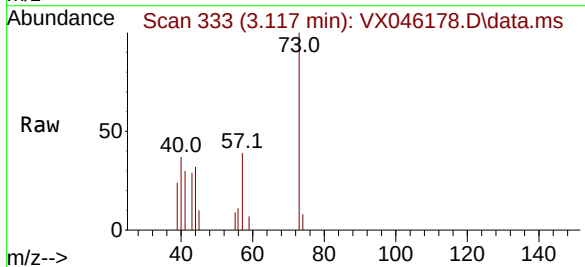
Instrument :
MSVOA_X
ClientSampleId :
MW3

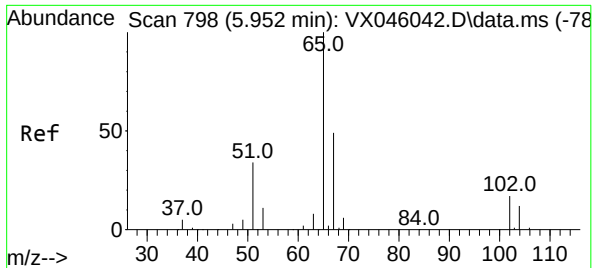
Tgt Ion: 43 Resp: 4109
Ion Ratio Lower Upper
43 100
58 29.2 21.2 31.8



#19
Methyl tert-butyl Ether
Concen: 0.743 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX046178.D
Acq: 13 May 2025 19:52

Tgt Ion: 73 Resp: 2047
Ion Ratio Lower Upper
73 100
57 38.9 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 52.171 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

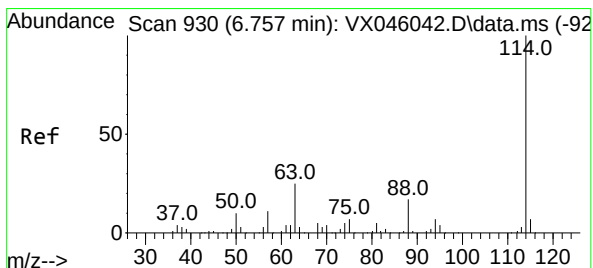
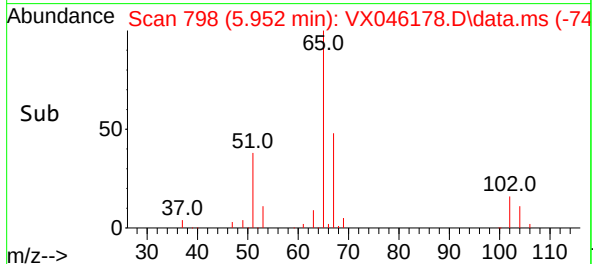
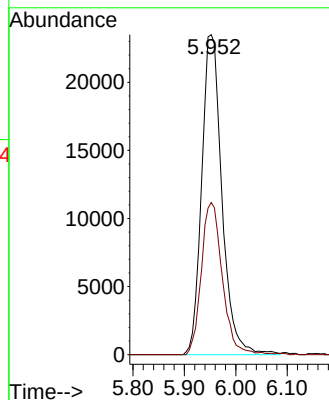
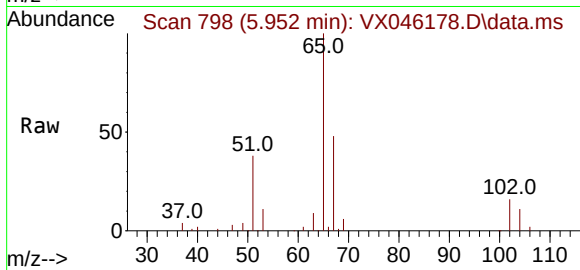
MW3

Tgt Ion: 65 Resp: 64423

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

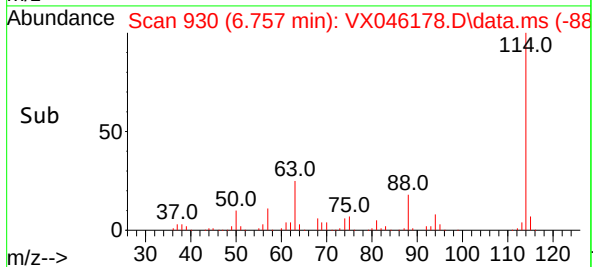
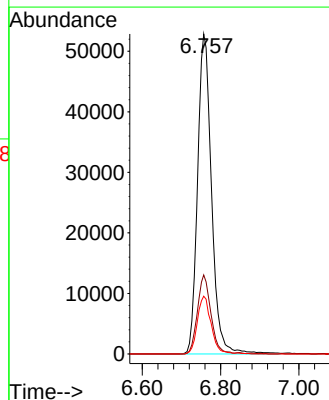
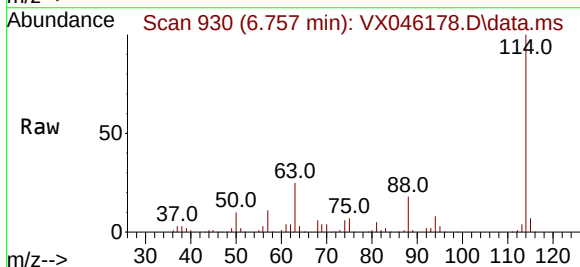
Tgt Ion: 114 Resp: 131355

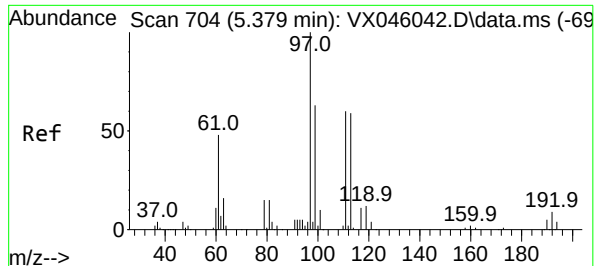
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.886 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

MW3

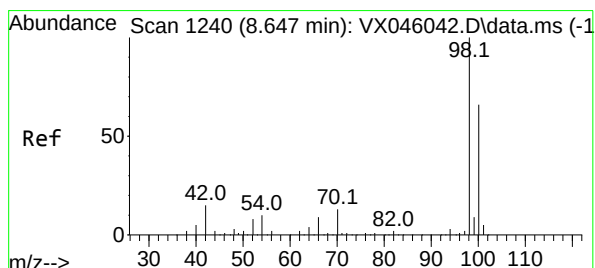
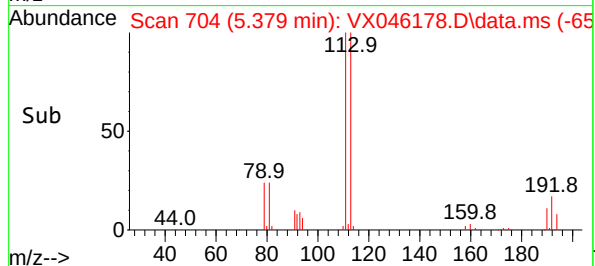
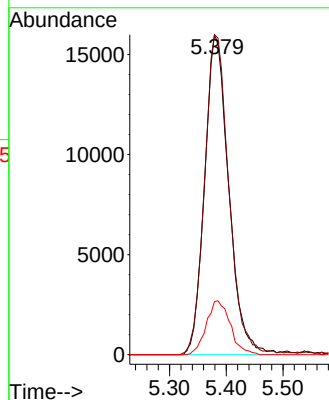
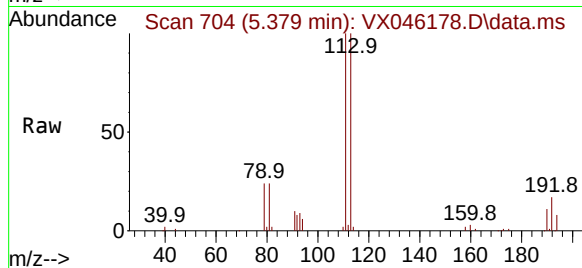
Tgt Ion:113 Resp: 47187

Ion Ratio Lower Upper

113 100

111 101.5 83.1 124.7

192 16.8 13.3 19.9



#50

Toluene-d8

Concen: 50.906 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046178.D

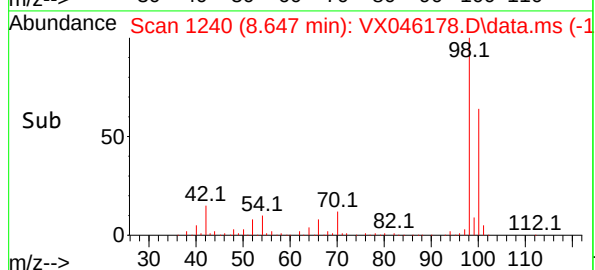
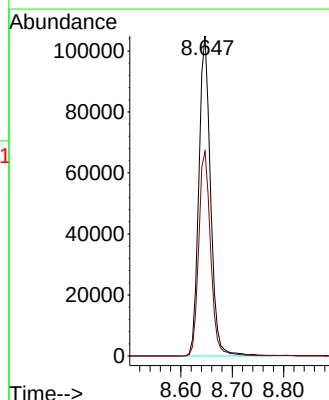
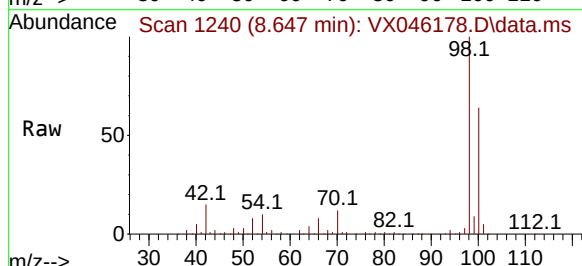
Acq: 13 May 2025 19:52

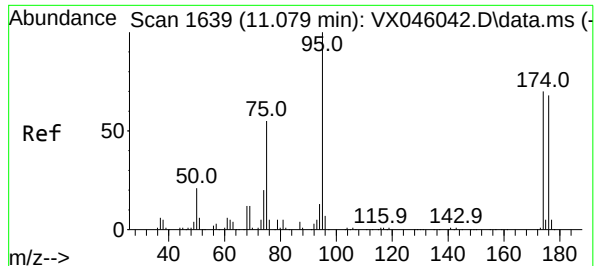
Tgt Ion: 98 Resp: 166658

Ion Ratio Lower Upper

98 100

100 64.9 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.420 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

MW3

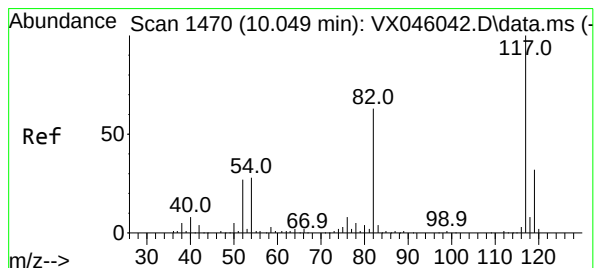
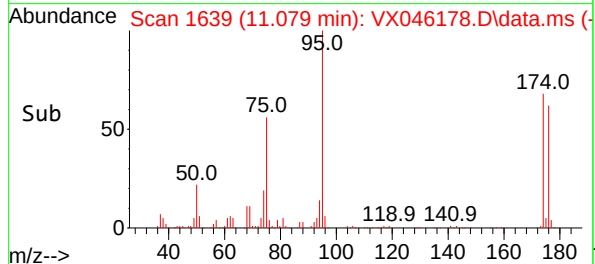
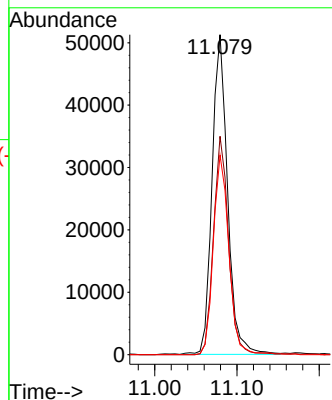
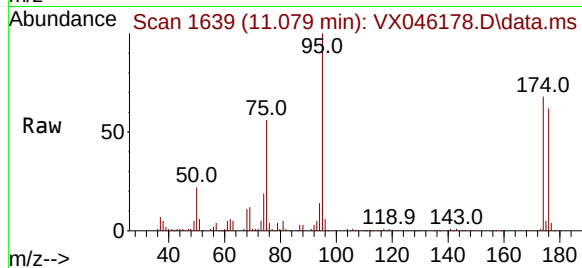
Tgt Ion: 95 Resp: 67085

Ion Ratio Lower Upper

95 100

174 66.4 0.0 135.8

176 62.7 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

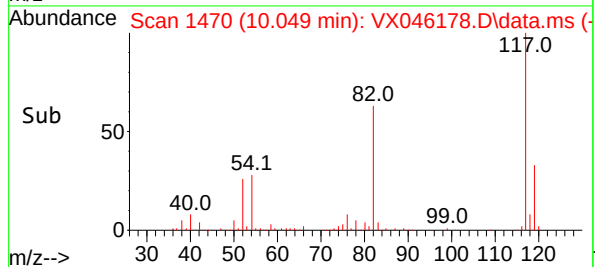
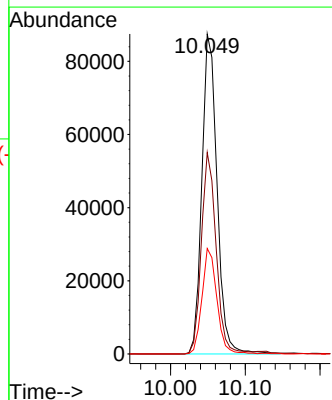
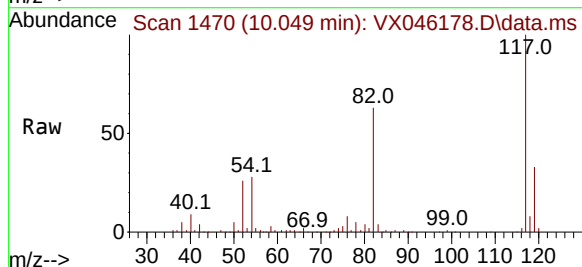
Tgt Ion: 117 Resp: 123435

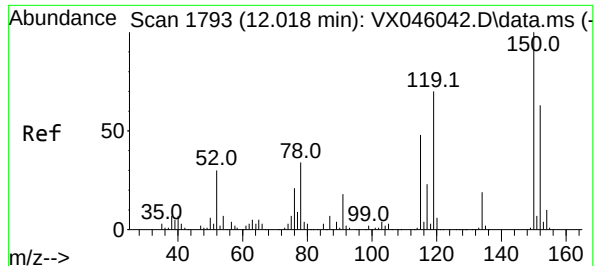
Ion Ratio Lower Upper

117 100

82 63.0 50.6 76.0

119 32.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

MW3

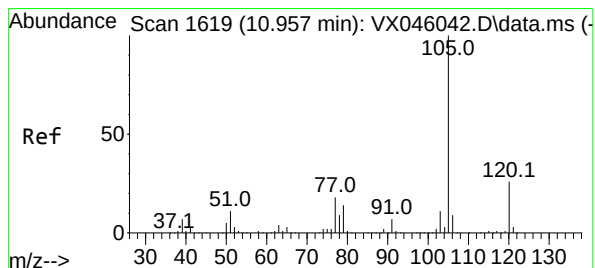
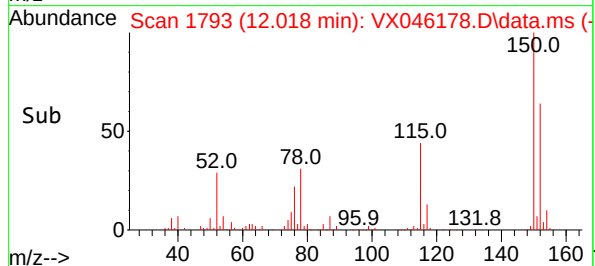
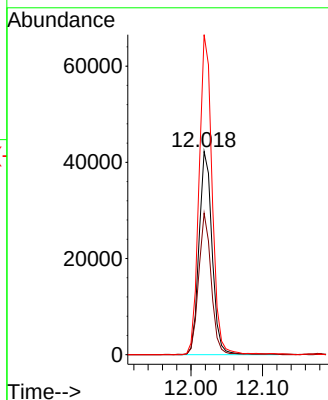
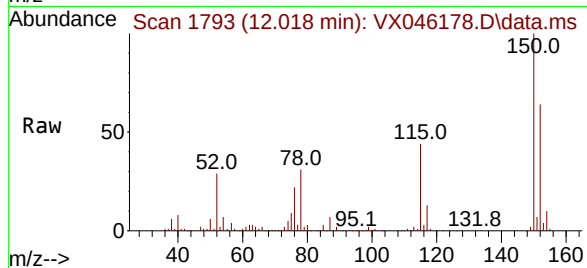
Tgt Ion:152 Resp: 53587

Ion Ratio Lower Upper

152 100

115 67.2 46.9 140.7

150 157.5 0.0 351.0



#73

Isopropylbenzene

Concen: 3.527 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX046178.D

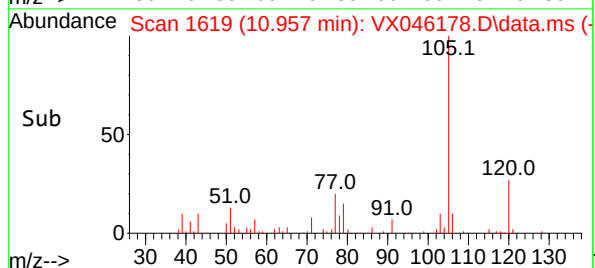
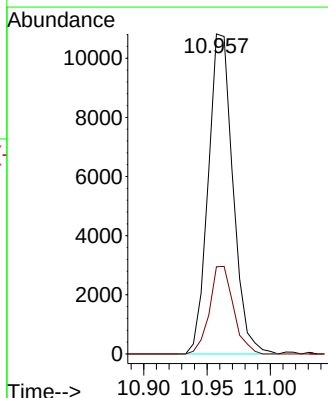
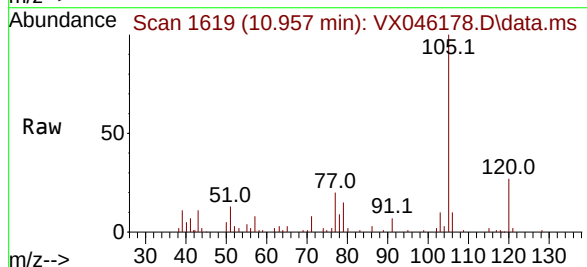
Acq: 13 May 2025 19:52

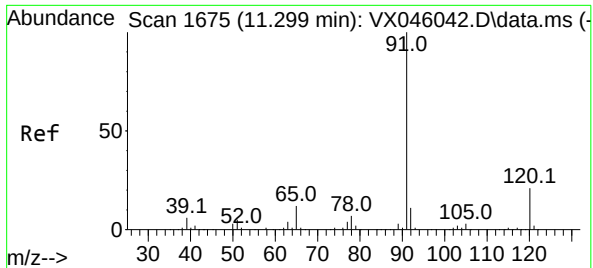
Tgt Ion:105 Resp: 14714

Ion Ratio Lower Upper

105 100

120 26.5 12.8 38.4





#78

n-propylbenzene

Concen: 0.634 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

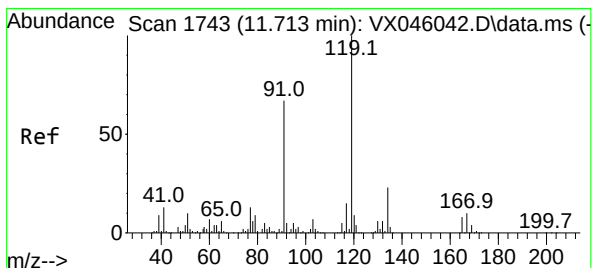
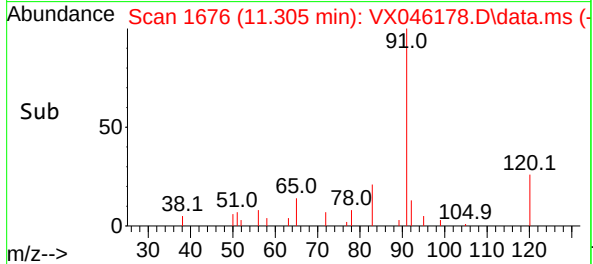
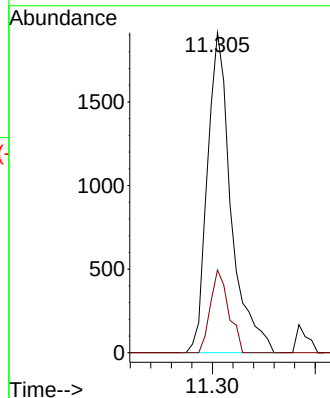
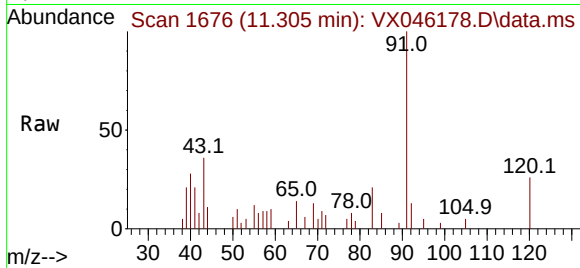
MW3

Tgt Ion: 91 Resp: 3075

Ion Ratio Lower Upper

91 100

120 19.9 10.8 32.4



#83

tert-Butylbenzene

Concen: 1.283 ug/l

RT: 11.707 min Scan# 1742

Delta R.T. -0.006 min

Lab File: VX046178.D

Acq: 13 May 2025 19:52

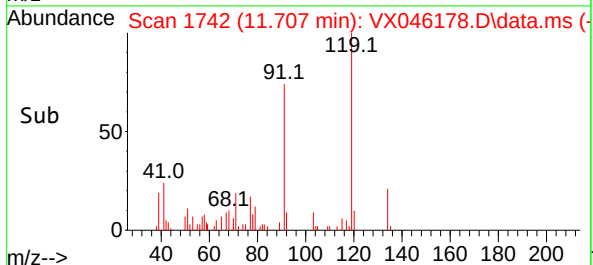
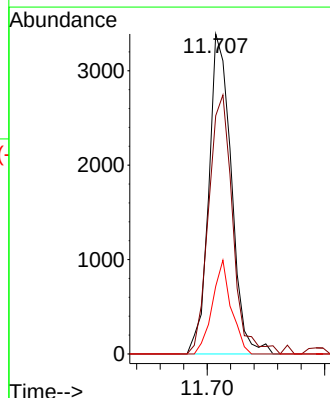
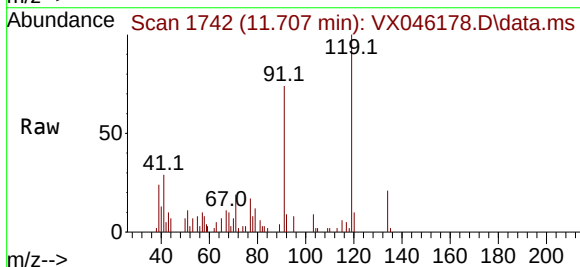
Tgt Ion: 119 Resp: 4505

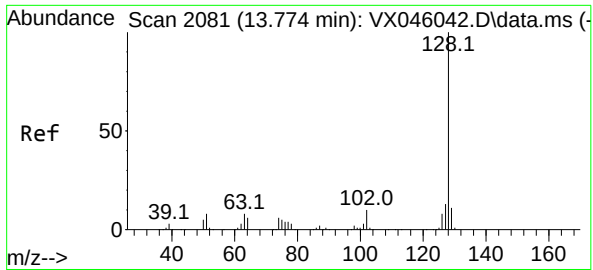
Ion Ratio Lower Upper

119 100

91 86.9 32.9 98.7

134 24.6 11.4 34.1





#95

Naphthalene

Concen: 1.478 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046178.D

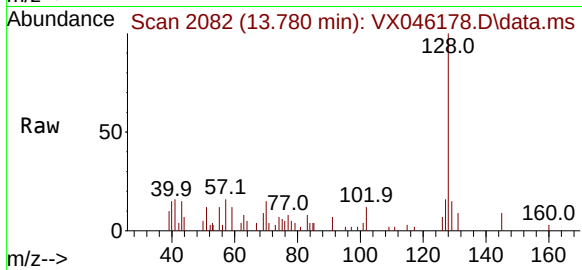
Acq: 13 May 2025 19:52

Instrument :

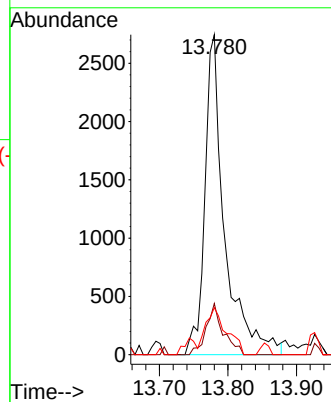
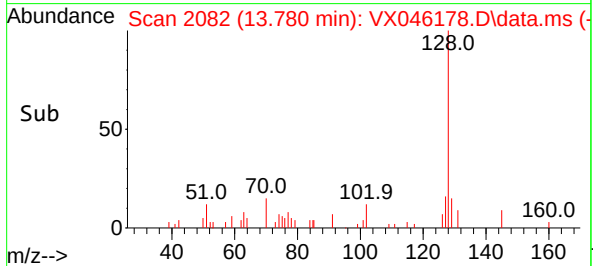
MSVOA_X

ClientSampleId :

MW3



Tgt Ion:	128	Resp:	5521
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	15.5	8.6	13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046178.D
 Acq On : 13 May 2025 19:52
 Operator : JC/MD
 Sample : Q2018-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

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_X\Method\82X050525W.M
 Title : SW846 8260

Signal : TIC: VX046178.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.252	24	27	32	rBV2	4810	6915	1.01%	0.140%
2	2.770	270	276	283	rBV4	3707	8394	1.22%	0.170%
3	2.965	298	308	316	rBV2	22101	50446	7.36%	1.022%
4	3.111	325	332	344	rVB6	2717	8330	1.22%	0.169%
5	5.379	694	704	720	rBV2	54020	158604	23.14%	3.214%
6	5.544	722	731	752	rVV	75102	229155	33.44%	4.643%
7	5.952	789	798	812	rBV2	60808	165930	24.21%	3.362%
8	6.239	832	845	858	rBV2	52479	156870	22.89%	3.178%
9	6.757	921	930	943	rBV	137731	331523	48.38%	6.717%
10	7.348	1021	1027	1035	rVB5	3296	7723	1.13%	0.156%
11	7.598	1063	1068	1078	rVB	8328	17326	2.53%	0.351%
12	7.903	1113	1118	1123	rVV2	5588	10769	1.57%	0.218%
13	7.982	1123	1131	1140	rVB	68685	136772	19.96%	2.771%
14	8.104	1140	1151	1161	rBV	137931	274973	40.12%	5.571%
15	8.421	1193	1203	1211	rBV	400968	685307	100.00%	13.885%
16	8.647	1229	1240	1251	rBV	289672	474457	69.23%	9.613%
17	9.098	1306	1314	1319	rVB5	3835	7975	1.16%	0.162%
18	9.159	1319	1324	1329	rBV	12250	19283	2.81%	0.391%
19	9.238	1332	1337	1346	rVB	44478	70550	10.29%	1.429%
20	9.446	1363	1371	1378	rBV3	65474	127309	18.58%	2.579%
21	9.793	1424	1428	1437	rVB	15869	24349	3.55%	0.493%
22	9.945	1447	1453	1460	rBV	39806	61664	9.00%	1.249%
23	10.049	1465	1470	1478	rBV	297698	408295	59.58%	8.273%
24	10.275	1502	1507	1518	rVB9	4482	11279	1.65%	0.229%
25	10.372	1518	1523	1529	rBV2	7136	11745	1.71%	0.238%
26	10.476	1533	1540	1546	rVB2	5958	10198	1.49%	0.207%
27	10.793	1586	1592	1597	rBV7	4255	8745	1.28%	0.177%
28	10.872	1602	1605	1614	rVB7	4577	10175	1.48%	0.206%
29	10.957	1614	1619	1624	rBV	33637	47375	6.91%	0.960%
30	11.012	1624	1628	1634	rVB	15900	20766	3.03%	0.421%
31	11.079	1634	1639	1648	rBV	249081	341276	49.80%	6.915%
32	11.232	1659	1664	1667	rBV3	4751	7069	1.03%	0.143%
33	11.335	1677	1681	1686	rVB	30891	38934	5.68%	0.789%
34	11.439	1695	1698	1705	rVB2	4690	7792	1.14%	0.158%
35	11.707	1734	1742	1753	rVB3	16220	33078	4.83%	0.670%
36	11.860	1761	1767	1770	rBV	22419	30873	4.50%	0.626%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046178.D
 Acq On : 13 May 2025 19:52
 Operator : JC/MD
 Sample : Q2018-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

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_X\Method\82X050525W.M
 Title : SW846 8260

37	11.969	1781	1785	1788	rBV2	6459	8778	1.28%	0.178%
38	12.018	1788	1793	1804	rVB	290322	367292	53.60%	7.442%
39	12.177	1814	1819	1822	rBV	6951	8853	1.29%	0.179%
40	12.244	1825	1830	1835	rVV	38938	50121	7.31%	1.016%
41	12.311	1838	1841	1849	rVV4	17158	26718	3.90%	0.541%
42	12.402	1853	1856	1861	rVV2	14719	18423	2.69%	0.373%
43	12.469	1861	1867	1872	rVB2	19636	29244	4.27%	0.593%
44	12.610	1885	1890	1894	rVB5	6346	10578	1.54%	0.214%
45	12.695	1900	1904	1911	rVV3	19332	32932	4.81%	0.667%
46	12.756	1911	1914	1919	rVB	9161	11834	1.73%	0.240%
47	12.835	1919	1927	1933	rBV	13043	19586	2.86%	0.397%
48	12.920	1933	1941	1947	rBV2	46166	82274	12.01%	1.667%
49	13.030	1953	1959	1964	rVB3	8187	14443	2.11%	0.293%
50	13.116	1965	1973	1975	rBV5	10373	17543	2.56%	0.355%
51	13.195	1979	1986	1988	rVV3	7210	11262	1.64%	0.228%
52	13.231	1988	1992	1998	rVV2	26008	38223	5.58%	0.774%
53	13.298	1998	2003	2007	rVV3	14876	24807	3.62%	0.503%
54	13.341	2007	2010	2014	rVV3	7481	10352	1.51%	0.210%
55	13.542	2039	2043	2046	rBV2	14735	19714	2.88%	0.399%
56	13.579	2046	2049	2052	rVB2	6113	6998	1.02%	0.142%
57	13.670	2062	2064	2072	rVB5	4819	7343	1.07%	0.149%
58	13.792	2078	2084	2087	rBV3	12307	23131	3.38%	0.469%
59	13.829	2087	2090	2093	rVB2	6476	7467	1.09%	0.151%
60	14.317	2165	2170	2176	rBV	41882	53478	7.80%	1.084%
61	14.780	2240	2246	2252	rVB4	6621	11797	1.72%	0.239%

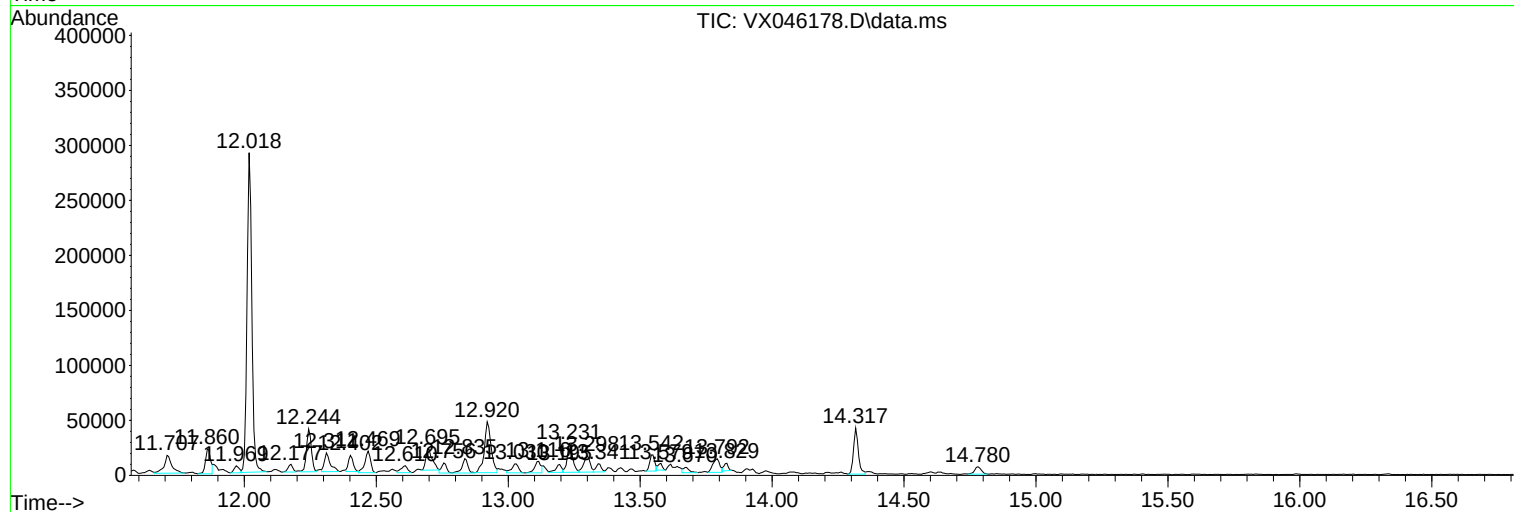
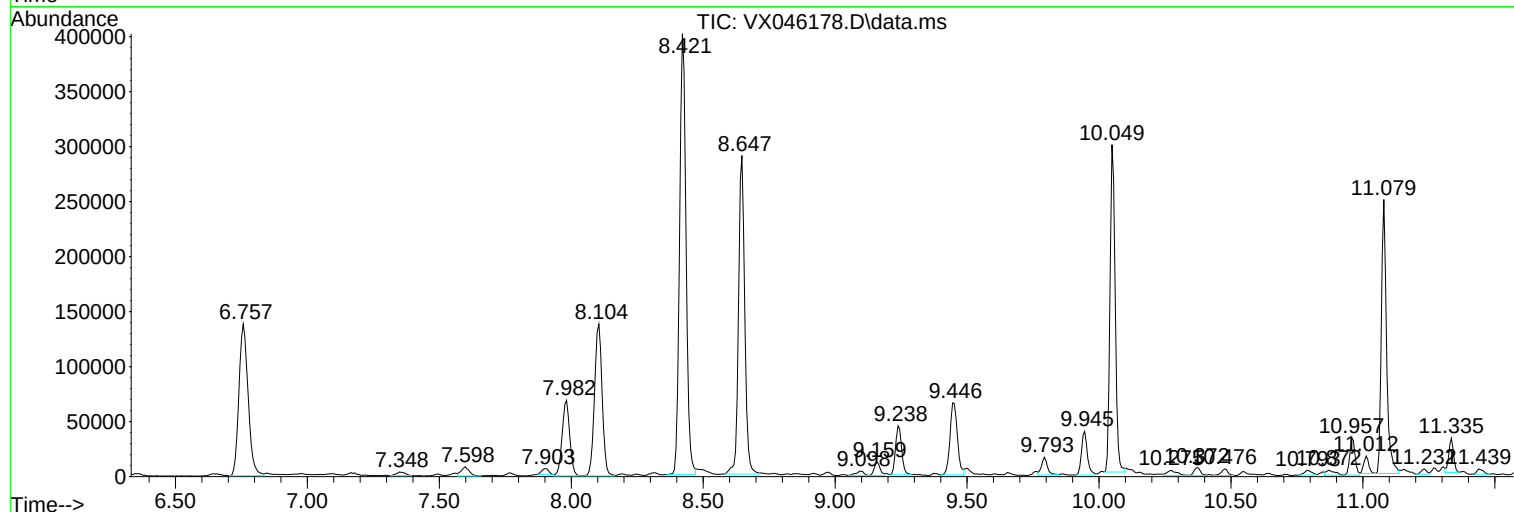
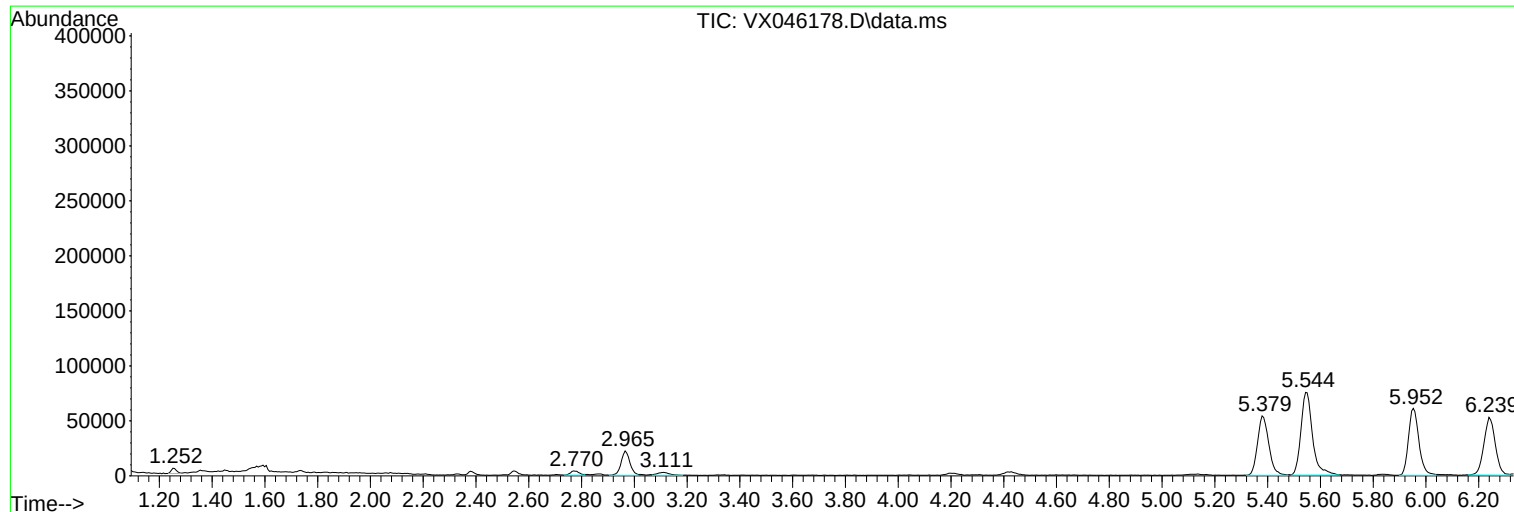
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

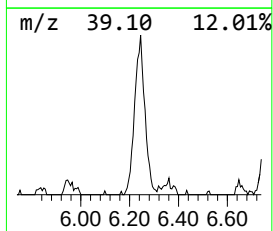
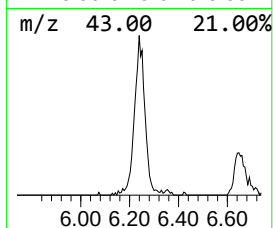
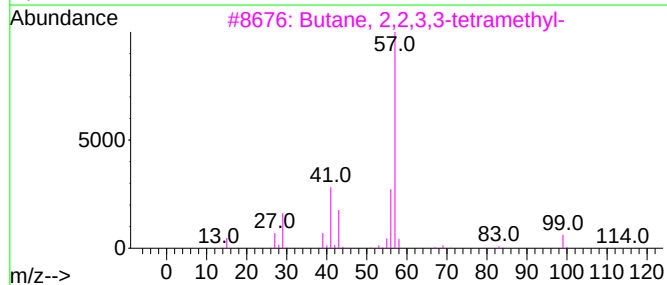
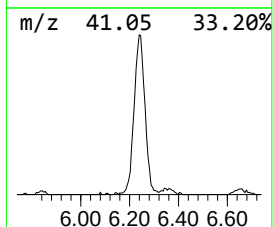
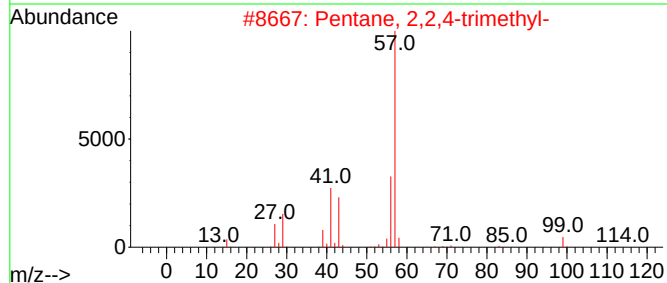
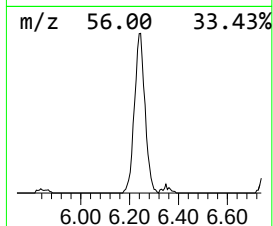
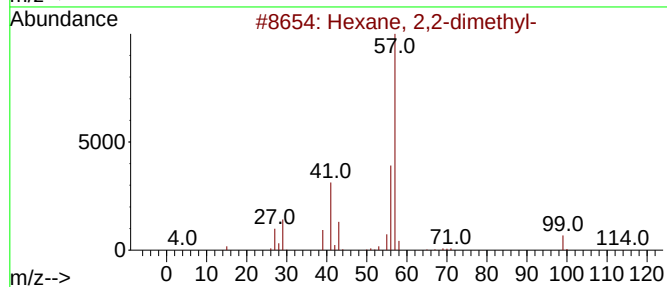
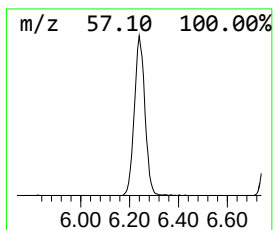
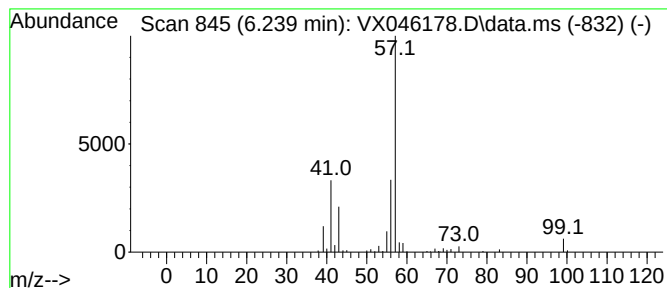
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.239	23.66 ug/l	156870	1,4-Difluorobenzene	6.757

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	59
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50
5		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

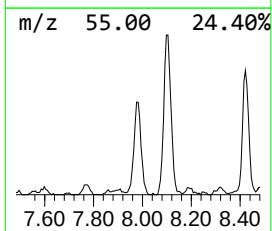
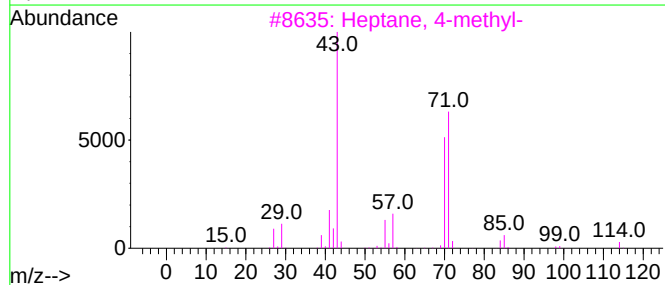
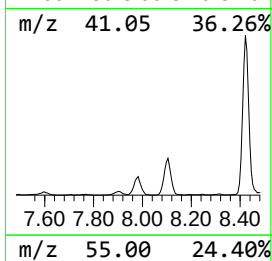
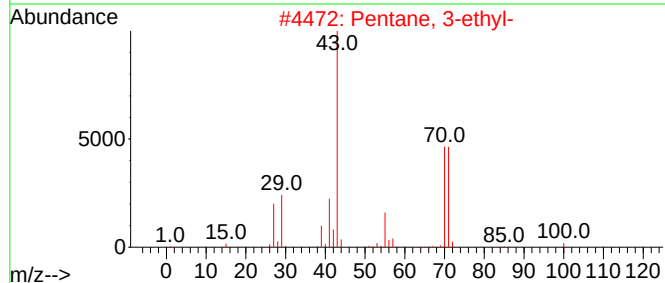
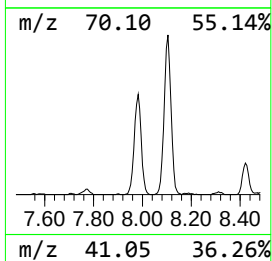
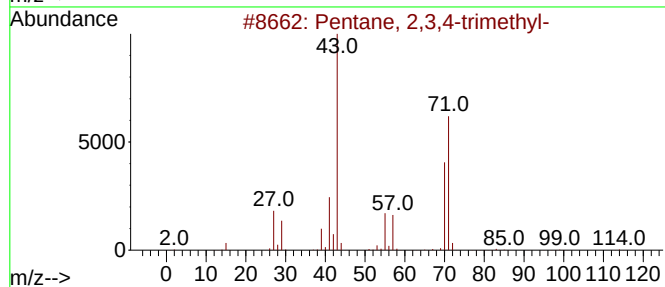
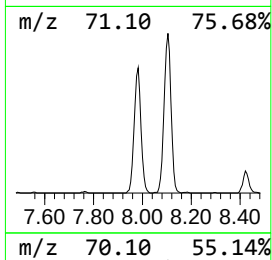
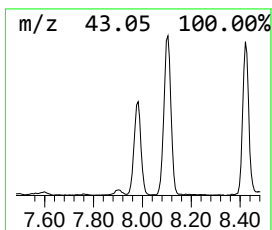
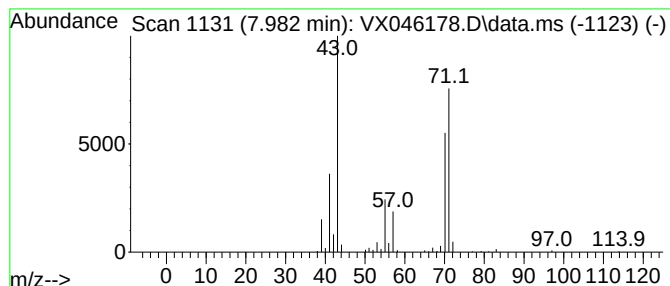
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.982	20.63 ug/l	136772	1,4-Difluorobenzene	6.757

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	72
5		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

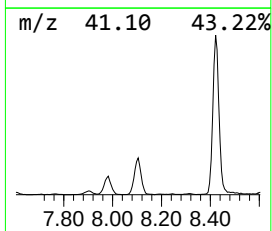
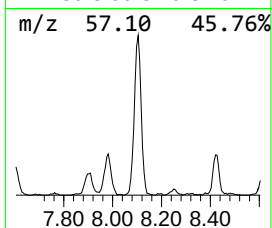
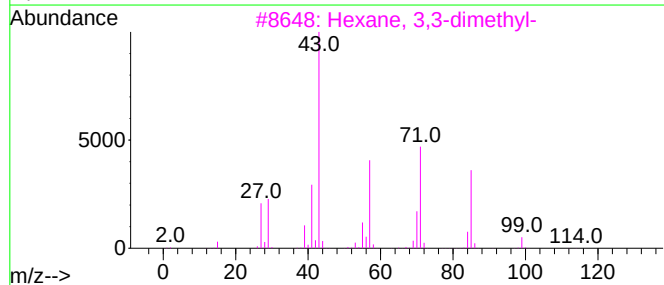
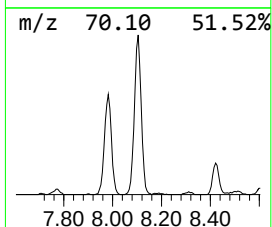
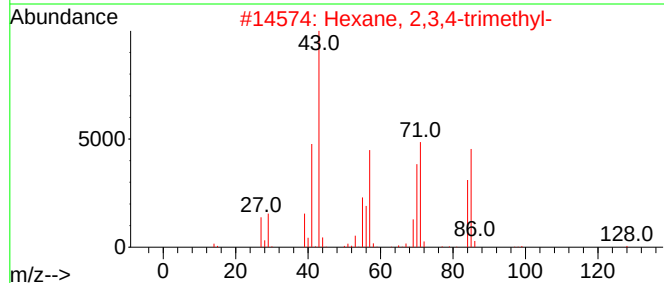
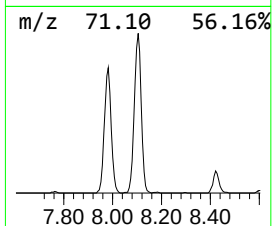
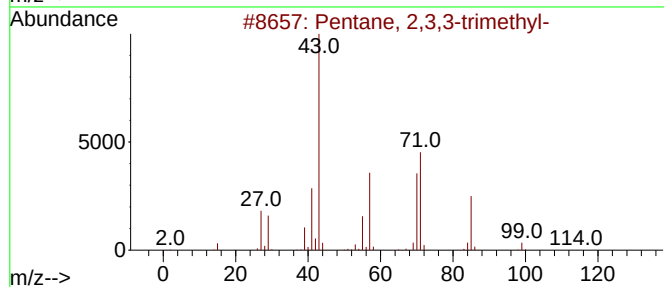
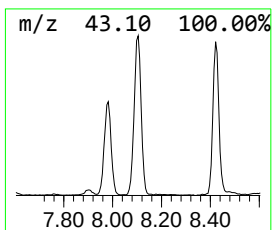
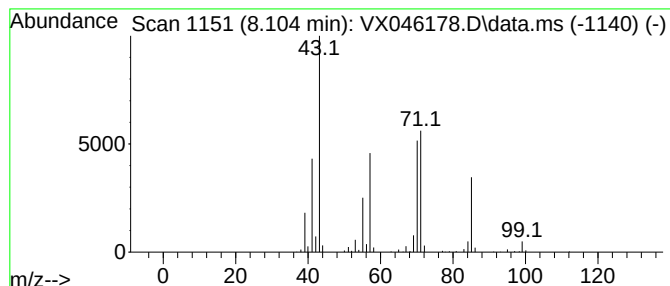
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.104	41.47 ug/l	274973	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

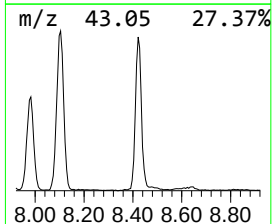
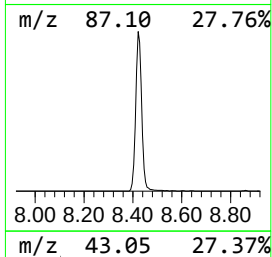
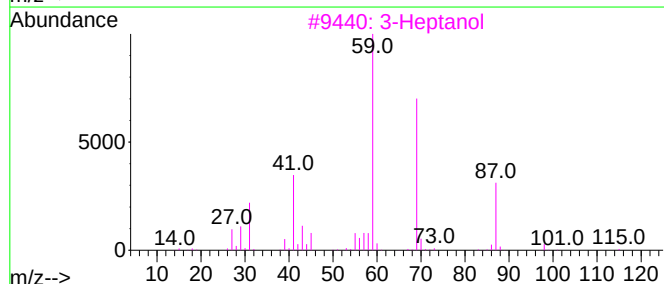
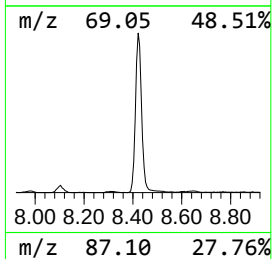
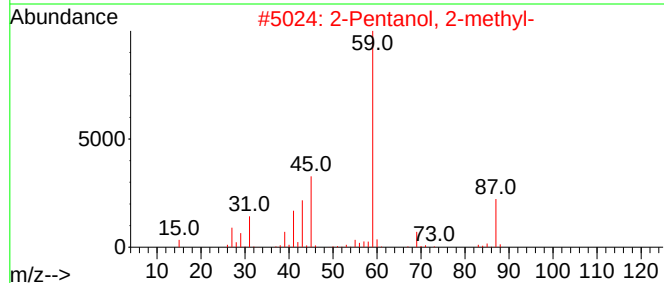
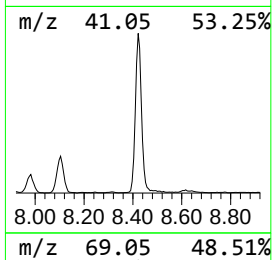
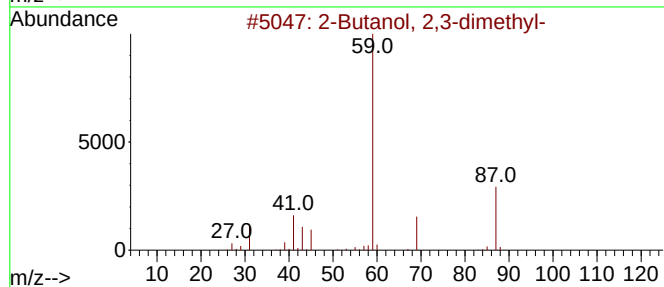
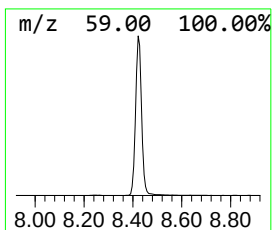
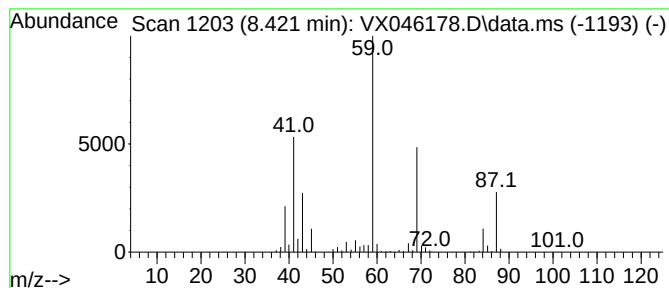
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Quant Title : SW846 8260

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

Peak Number 4 2-Butanol, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.421	83.92 ug/l	685307	Chlorobenzene-d5	10.049

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
2		2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	59
3		3-Heptanol	116	C7H16O	000589-82-2	56
4		Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	45
5		DL-Lactamide, N,O-dimethyl-	117	C5H11NO2	1000452-56-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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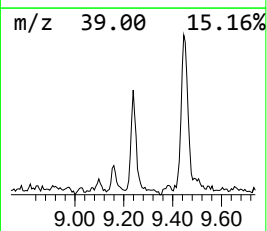
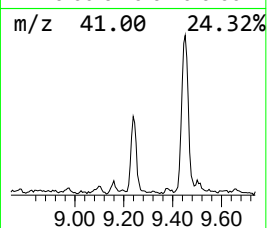
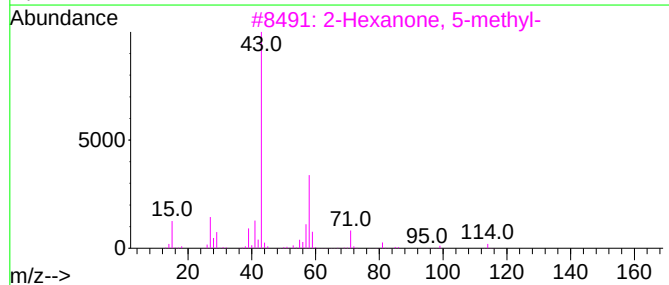
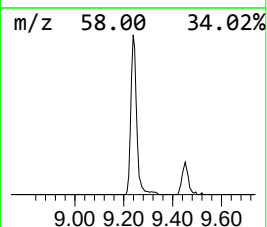
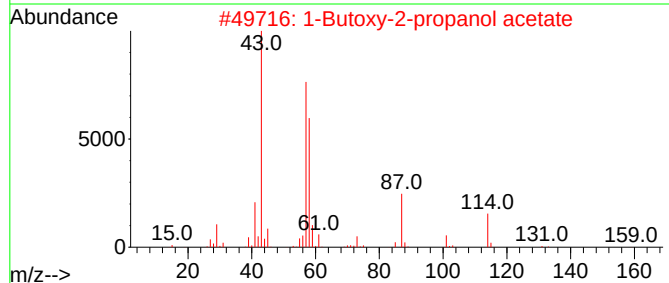
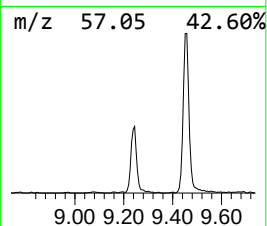
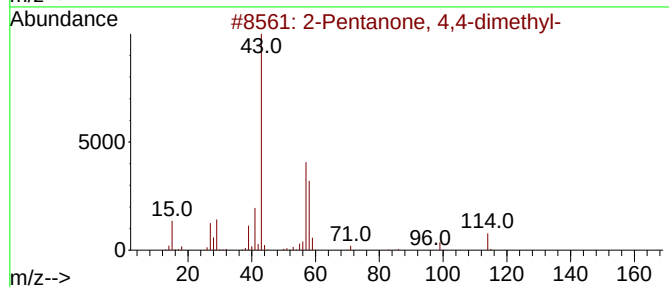
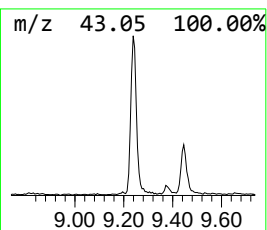
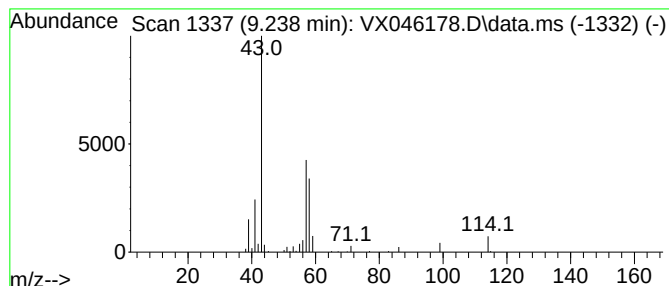
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Quant Title : SW846 8260

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

Peak Number 5 2-Pentanone, 4,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.238	8.64 ug/l	70550	Chlorobenzene-d5	10.049

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	91
2			1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	72
3			2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
4			2-Heptanone	114	C7H14O	000110-43-0	23
5			Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	12



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

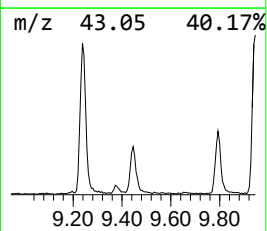
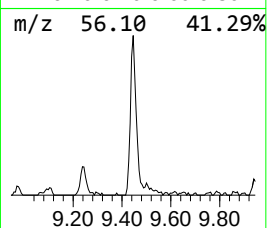
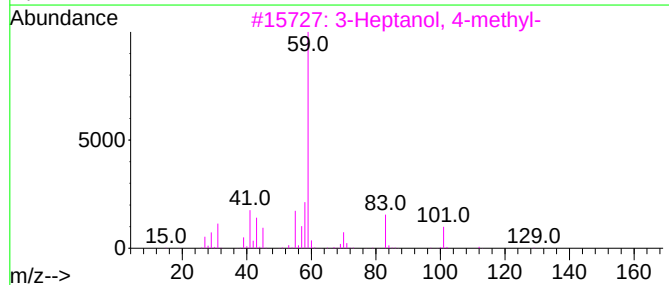
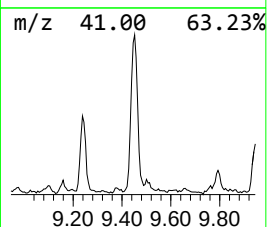
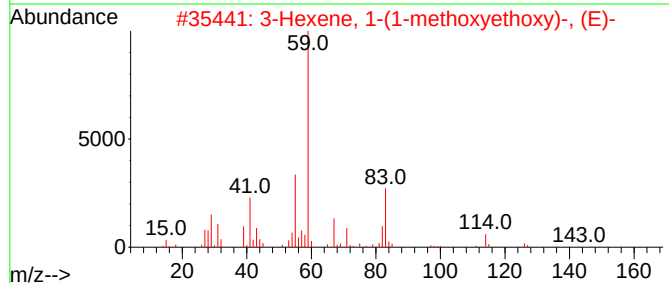
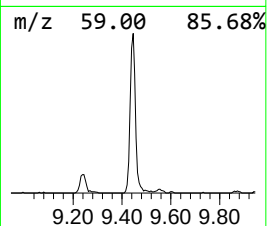
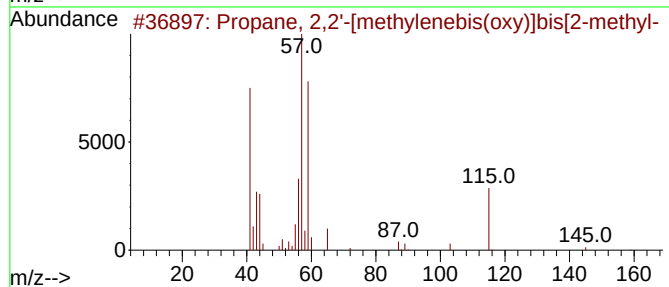
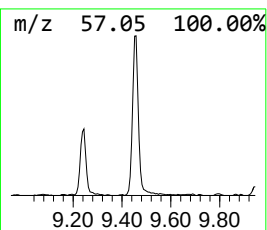
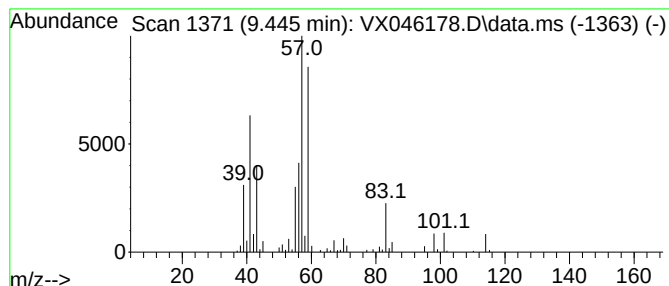
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Quant Title : SW846 8260

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

Peak Number 6 unknown9.445 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	15.59 ug/l	127309	Chlorobenzene-d5	10.049

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 2,2'-[methylenebis(oxy)]bis[2-methyl-	160	C9H20O2	002568-93-6	40
2			3-Hexene, 1-(1-methoxyethoxy)-, ...	158	C9H18O2	054340-97-5	38
3			3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	37
4			3-Hexanol	102	C6H14O	000623-37-0	35
5			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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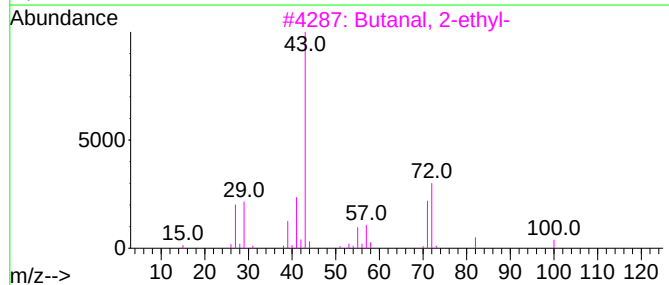
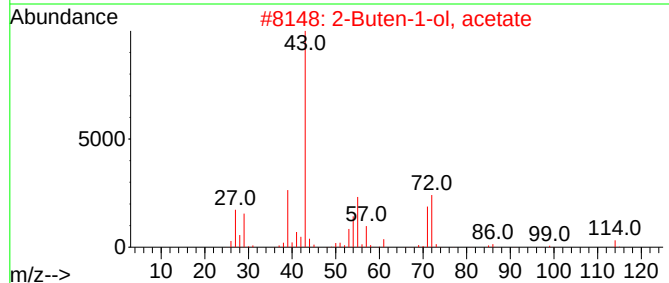
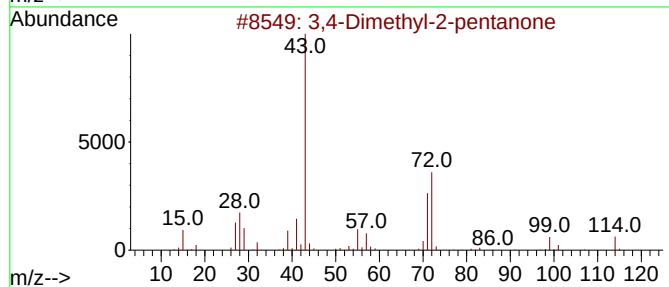
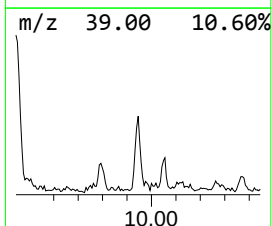
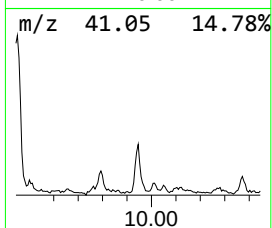
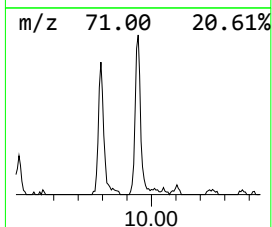
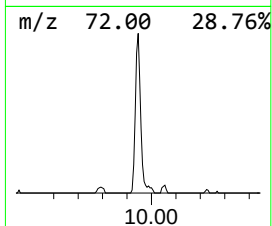
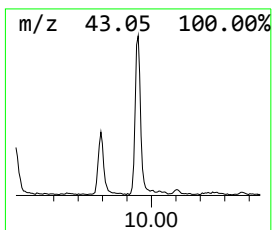
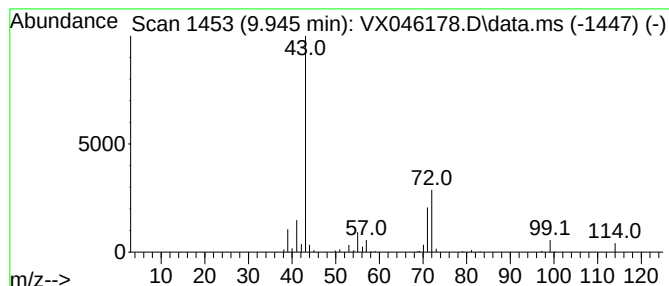
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Quant Title : SW846 8260

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

Peak Number 7 3,4-Dimethyl-2-pentanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	7.55 ug/l	61664	Chlorobenzene-d5	10.049

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethyl-2-pentanone	114	C7H14O	1000202-23-1	72
2			2-Buten-1-ol, acetate	114	C6H10O2	000628-08-0	59
3			Butanal, 2-ethyl-	100	C6H12O	000097-96-1	59
4			2,5-Hexanedione	114	C6H10O2	000110-13-4	43
5			2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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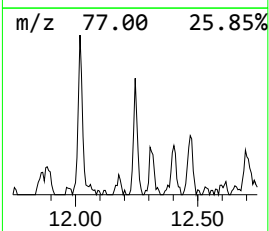
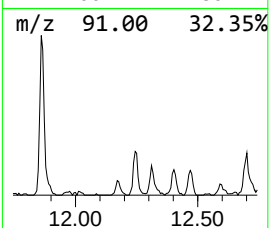
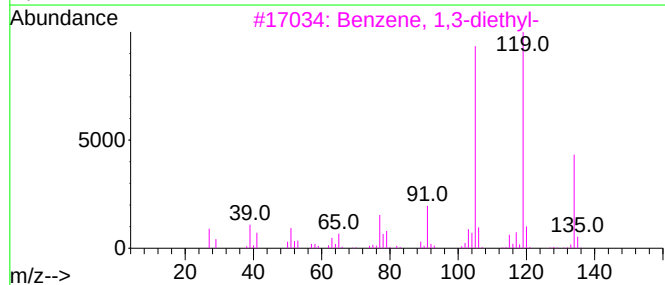
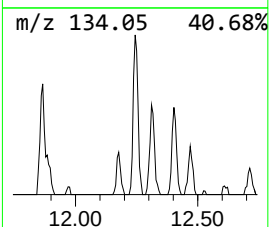
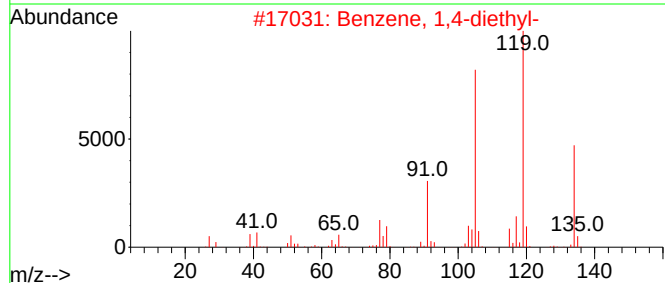
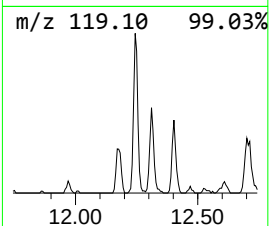
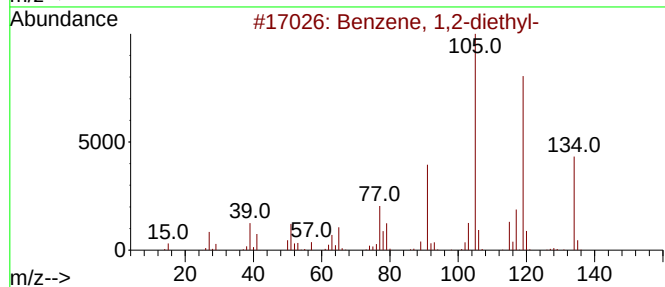
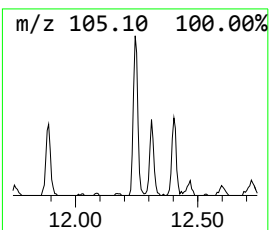
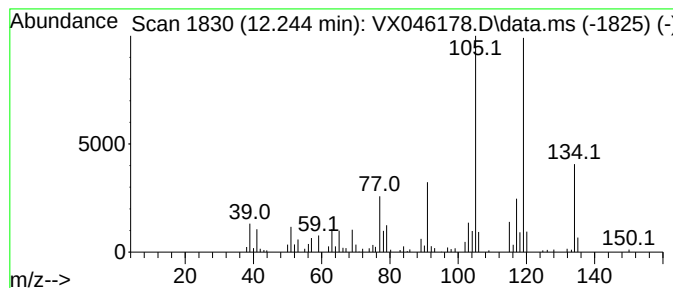
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	6.82 ug/l	50121	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4			2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	83
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

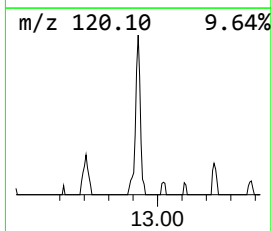
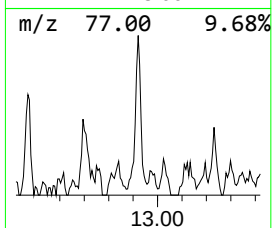
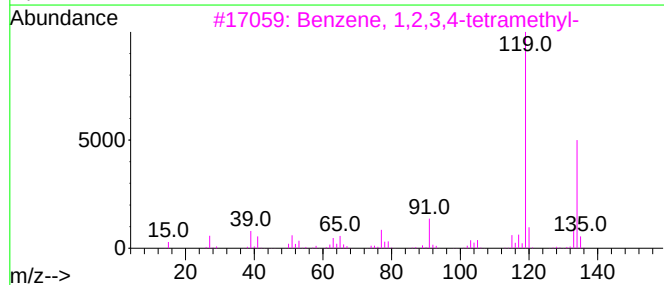
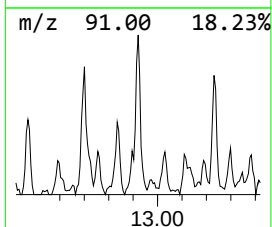
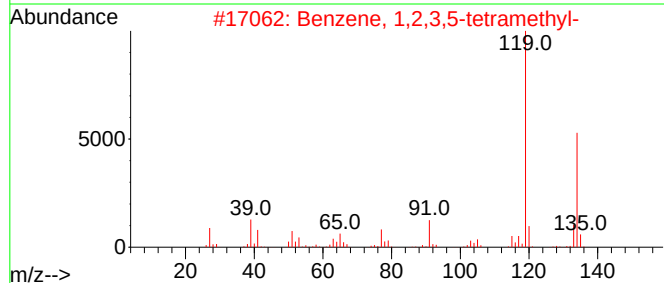
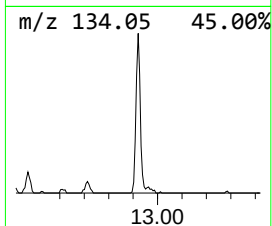
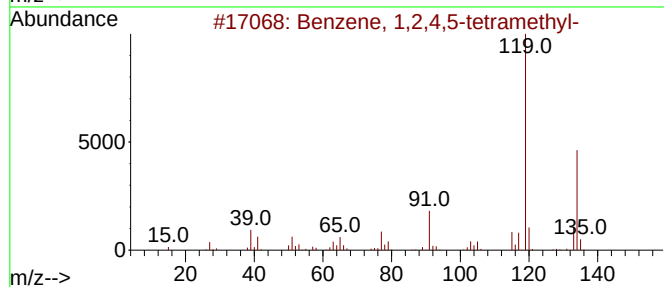
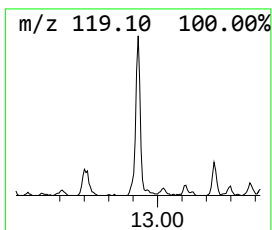
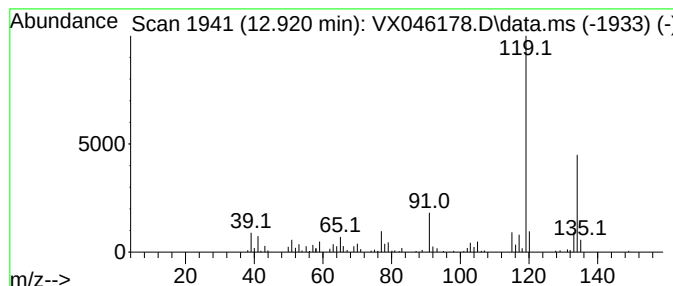
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.921	11.20 ug/l	82274	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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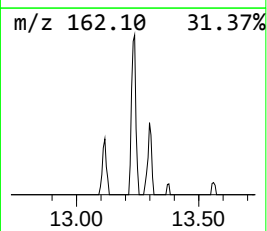
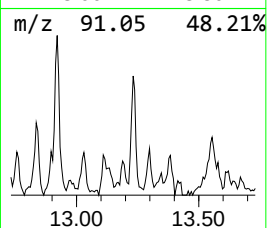
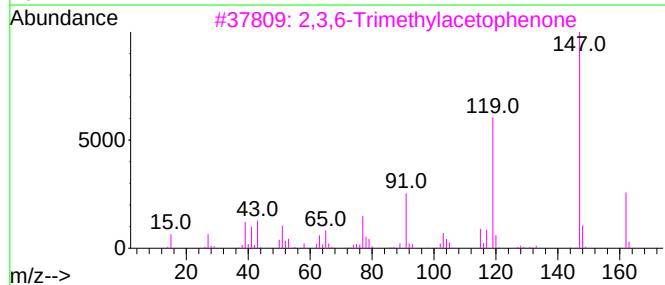
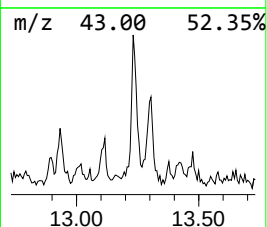
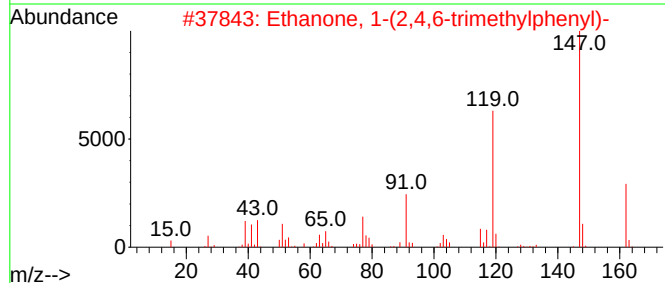
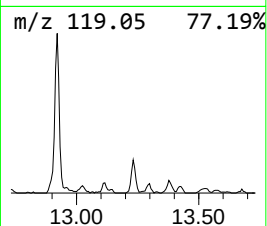
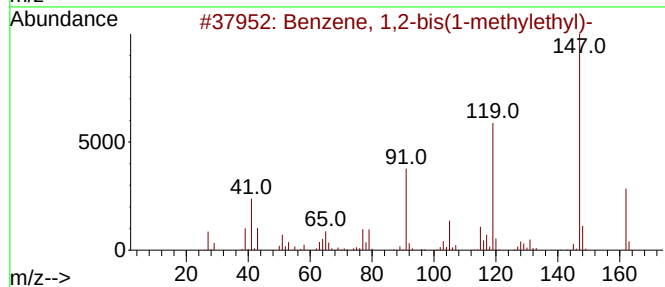
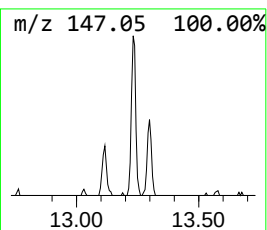
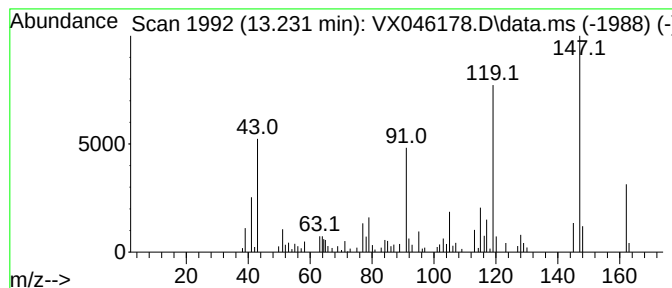
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2-bis(1-methylet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.231	5.20 ug/l	38223	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	94
2			Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	93
3			2,3,6-Trimethylacetophenone	162	C11H14O	1000342-30-1	93
4			Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	87
5			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

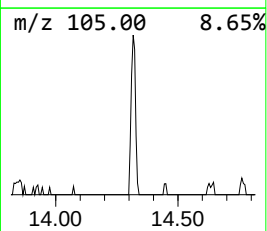
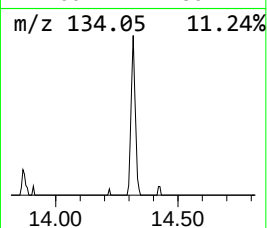
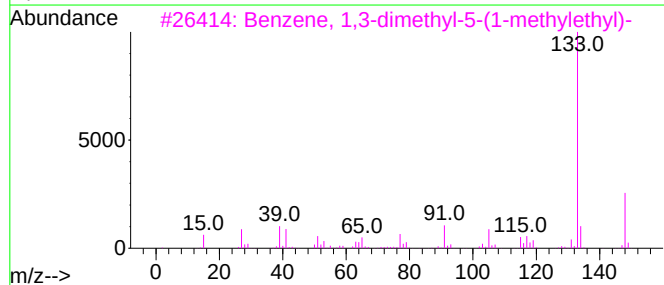
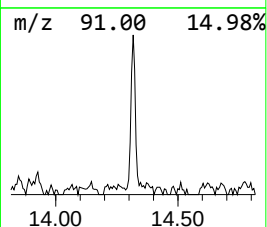
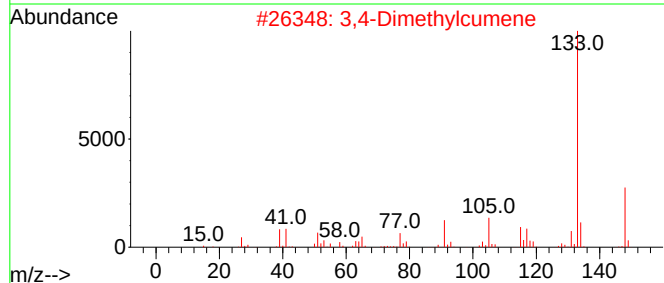
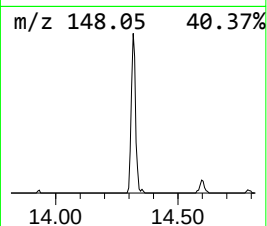
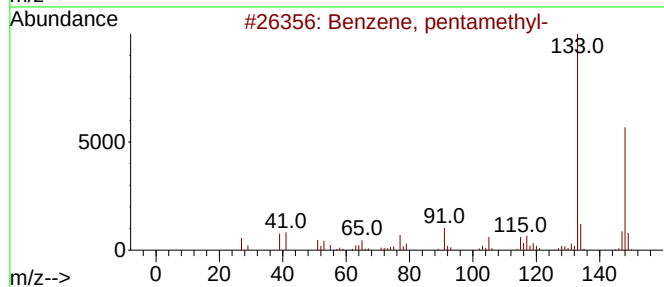
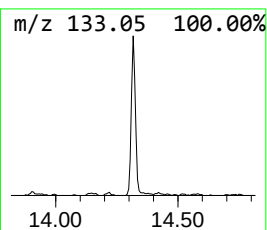
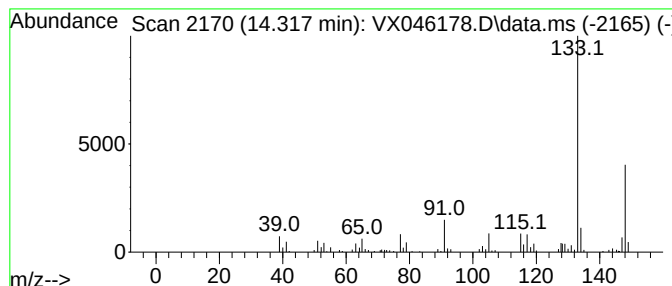
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

Peak Number 11 Benzene, pentamethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.317	7.28 ug/l	53478	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	91
2			3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
3			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
4			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	87
5			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046178.D
Acq On : 13 May 2025 19:52
Operator : JC/MD
Sample : Q2018-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexane, 2,2-dim...	6.239	23.7	ug/l	156870	2	6.757	331523	50.0
Pentane, 2,3,4-...	7.982	20.6	ug/l	136772	2	6.757	331523	50.0
Pentane, 2,3,3-...	8.104	41.5	ug/l	274973	2	6.757	331523	50.0
2-Butanol, 2,3-...	8.421	83.9	ug/l	685307	3	10.049	408295	50.0
2-Pentanone, 4,...	9.238	8.6	ug/l	70550	3	10.049	408295	50.0
unknown9.445	9.445	15.6	ug/l	127309	3	10.049	408295	50.0
3,4-Dimethyl-2-...	9.945	7.5	ug/l	61664	3	10.049	408295	50.0
Benzene, 1,2-di...	12.244	6.8	ug/l	50121	4	12.018	367292	50.0
Benzene, 1,2,4,...	12.921	11.2	ug/l	82274	4	12.018	367292	50.0
Benzene, 1,2-bi...	13.231	5.2	ug/l	38223	4	12.018	367292	50.0
Benzene, pentam...	14.317	7.3	ug/l	53478	4	12.018	367292	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	05/12/25
Project:	Hillside	Date Received:	05/12/25
Client Sample ID:	FB	SDG No.:	Q2018
Lab Sample ID:	Q2018-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046203.D	1		05/15/25 11:01	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	05/12/25	
Project:	Hillside			Date Received:	05/12/25	
Client Sample ID:	FB			SDG No.:	Q2018	
Lab Sample ID:	Q2018-06			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046203.D	1		05/15/25 11:01	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63700	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52500	12.018			

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_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: May 16 01:02:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	63676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52530	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66440	55.967	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.940%
35) Dibromofluoromethane	5.379	113	48259	51.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	8.647	98	163958	50.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.660%
62) 4-Bromofluorobenzene	11.079	95	62753	50.223	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.440%

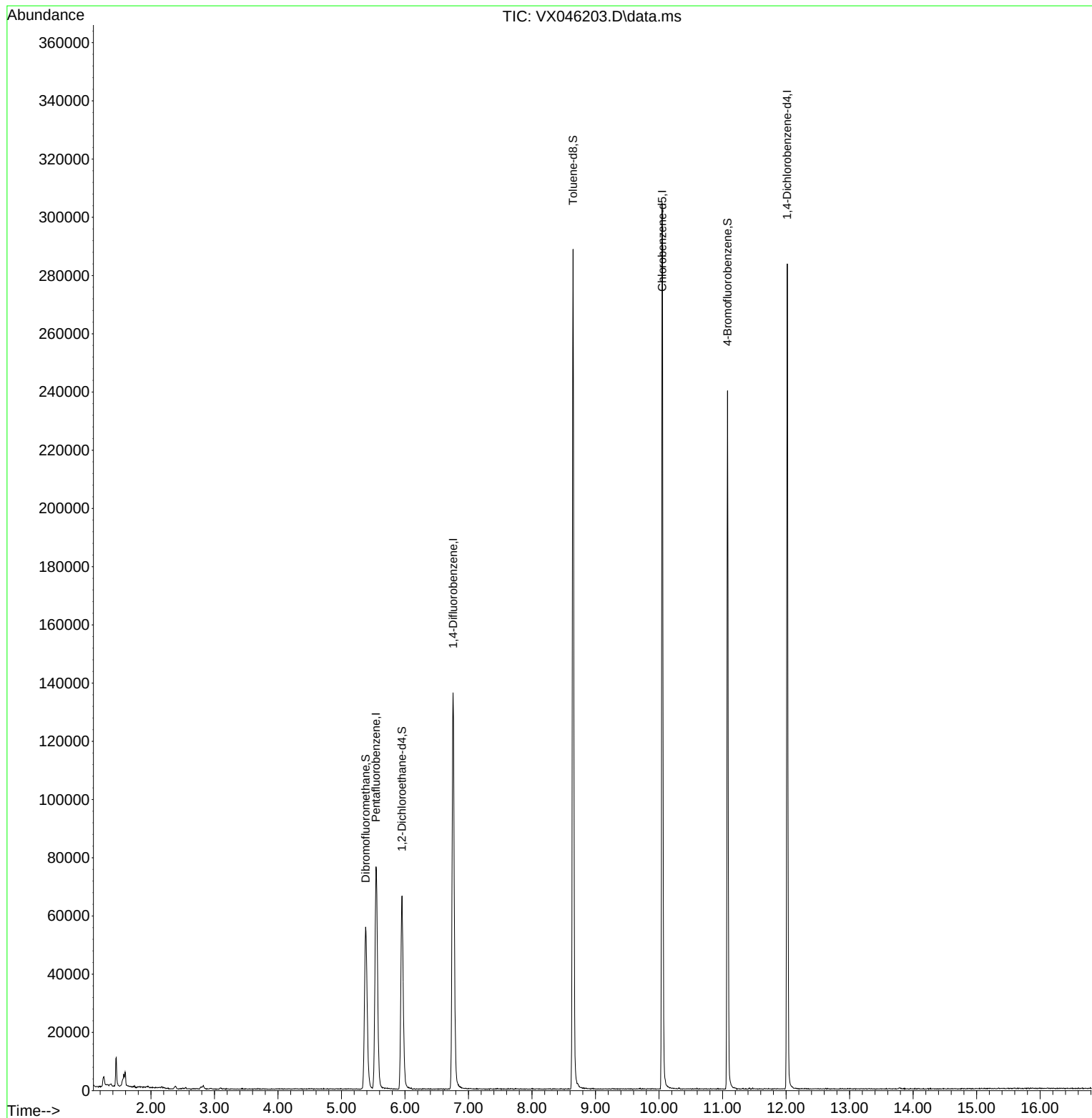
Target Compounds	Qvalue

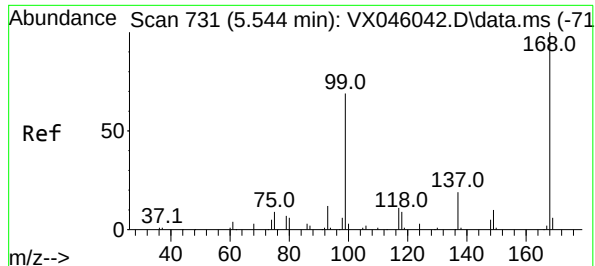
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: May 16 01:02:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

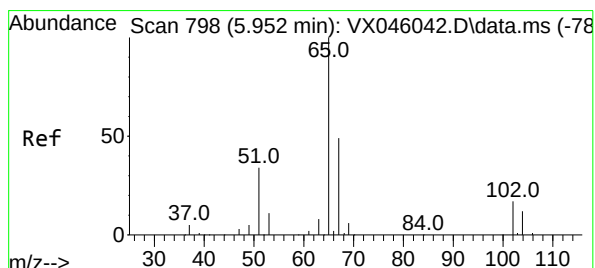
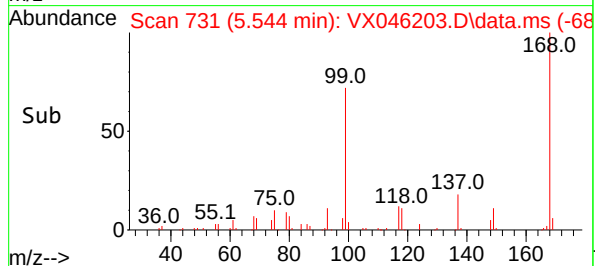
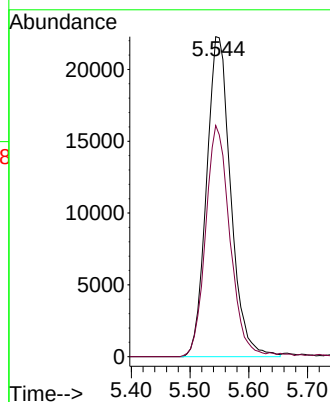
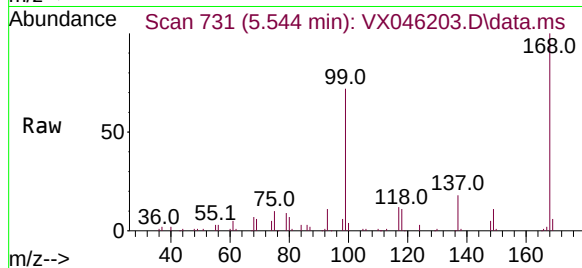




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

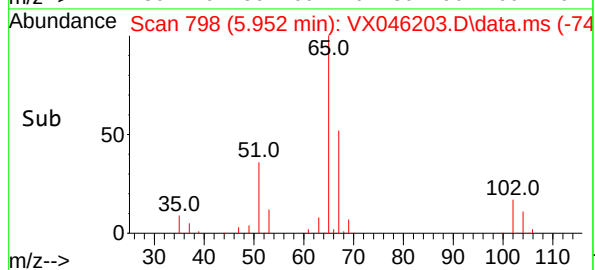
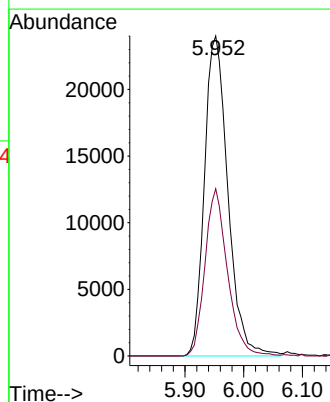
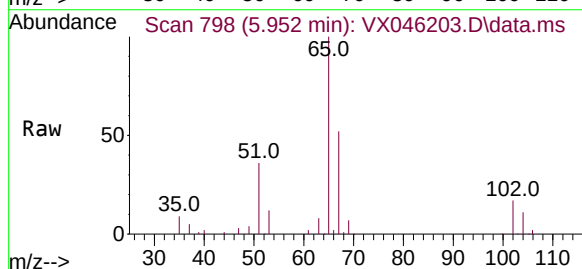
Instrument :
MSVOA_X
ClientSampleId :
FB

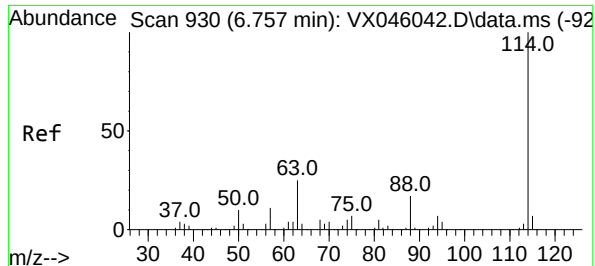
Tgt Ion:168 Resp: 63676
Ion Ratio Lower Upper
168 100
99 72.3 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 55.967 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Tgt Ion: 65 Resp: 66440
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

FB

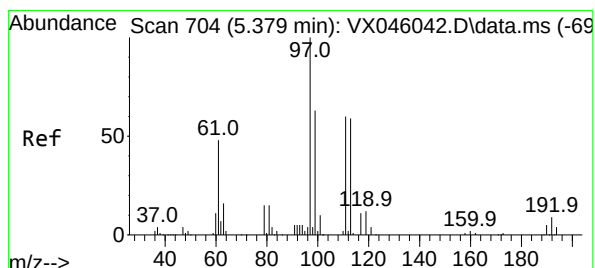
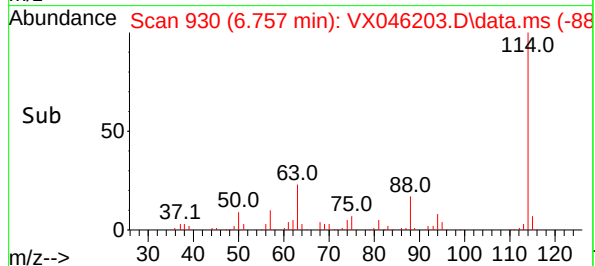
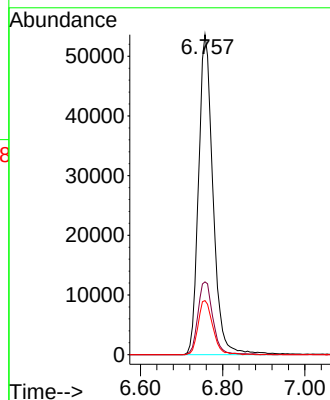
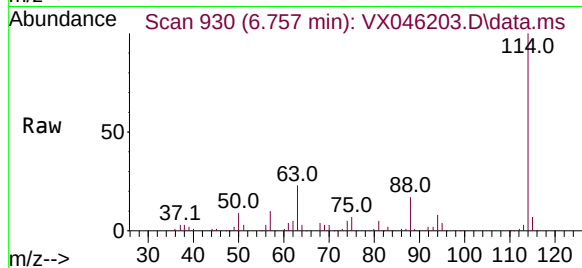
Tgt Ion:114 Resp: 130694

Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 16.9 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.277 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

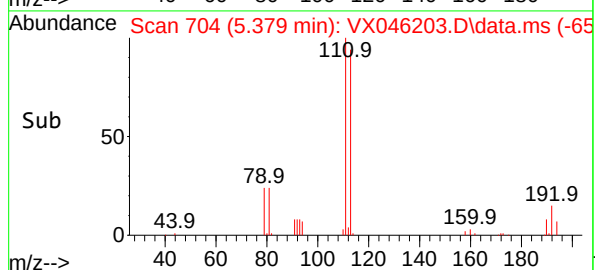
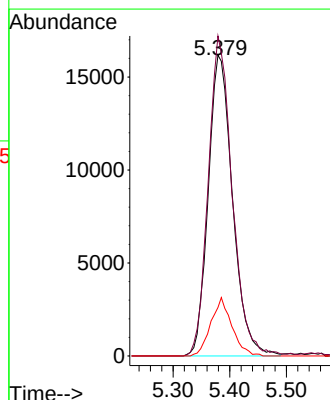
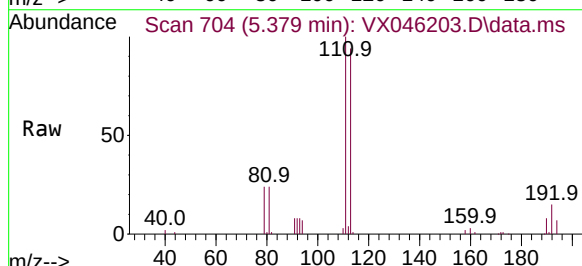
Tgt Ion:113 Resp: 48259

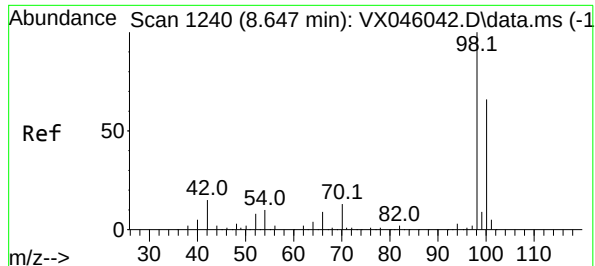
Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

192 16.8 13.3 19.9





#50

Toluene-d8

Concen: 50.334 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

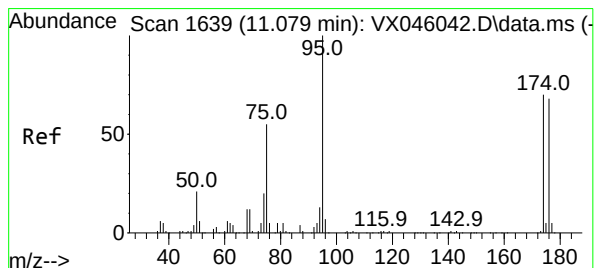
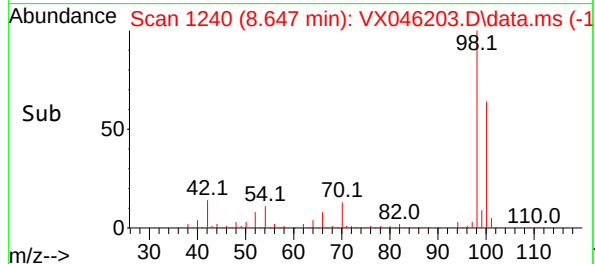
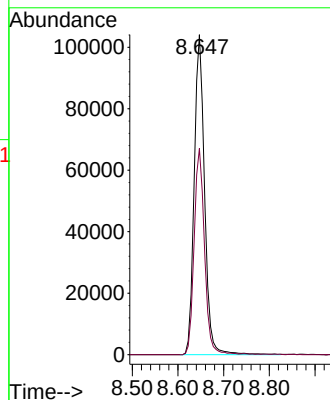
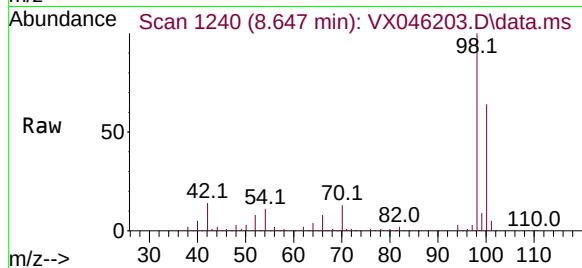
FB

Tgt Ion: 98 Resp: 163958

Ion Ratio Lower Upper

98 100

100 64.3 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 50.223 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

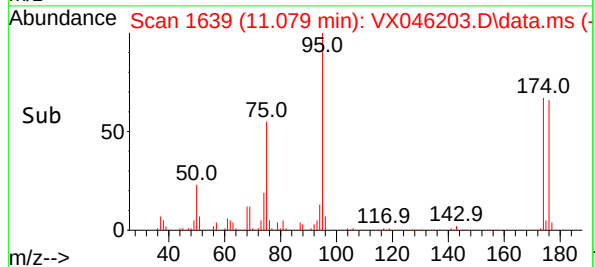
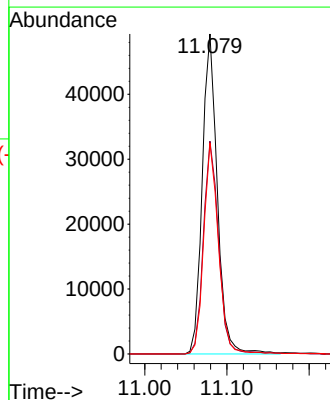
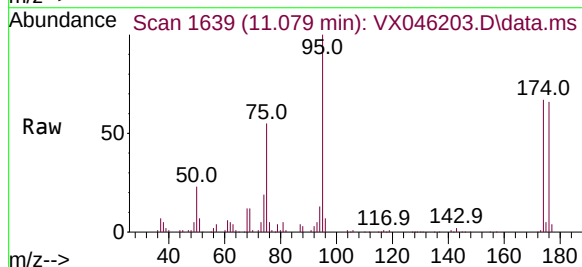
Tgt Ion: 95 Resp: 62753

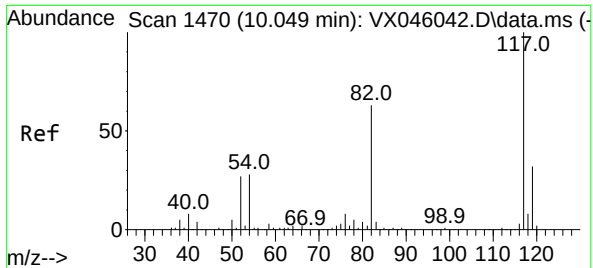
Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 64.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

FB

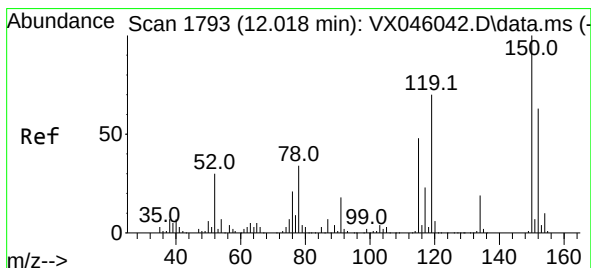
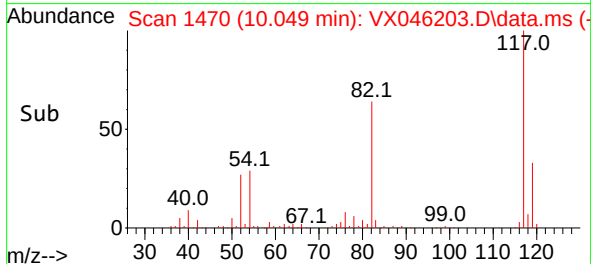
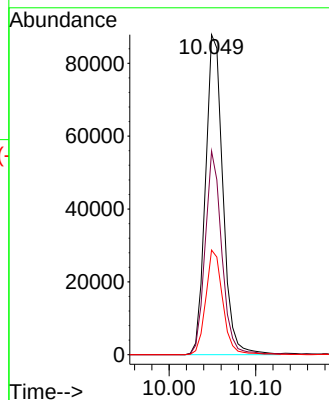
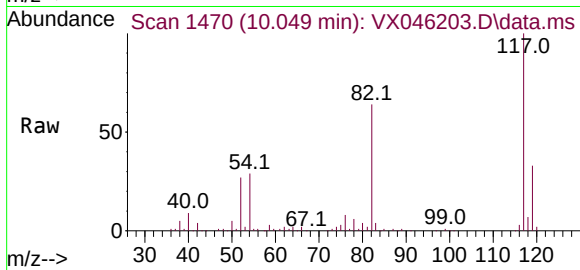
Tgt Ion:117 Resp: 122640

Ion Ratio Lower Upper

117 100

82 63.6 50.6 76.0

119 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

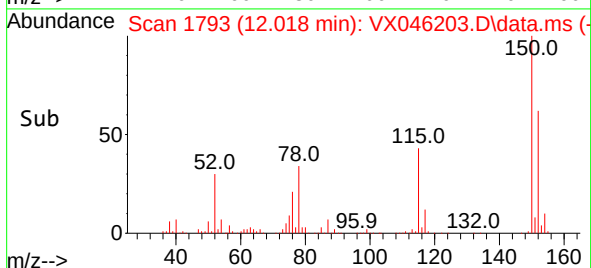
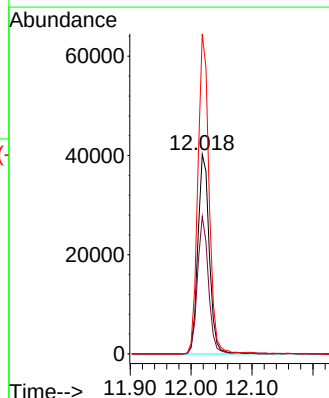
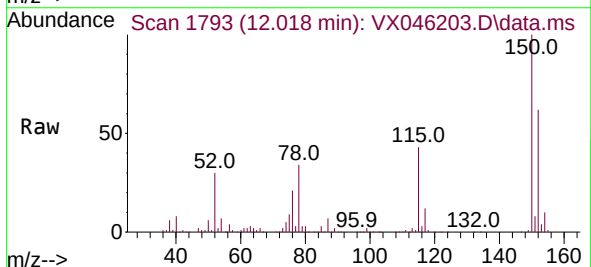
Tgt Ion:152 Resp: 52530

Ion Ratio Lower Upper

152 100

115 65.7 46.9 140.7

150 156.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

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_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046203.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	22	28	33	rBV3	3414	6872	1.51%	0.280%
2	1.453	56	60	69	rVB	9901	12591	2.77%	0.513%
3	1.569	69	79	81	rBV5	4088	8079	1.78%	0.329%
4	1.593	81	83	86	rVB4	4564	4781	1.05%	0.195%
5	5.379	689	704	722	rBV2	55781	166290	36.59%	6.779%
6	5.544	722	731	745	rBV	76118	215191	47.35%	8.773%
7	5.952	787	798	813	rBV	66433	174263	38.35%	7.104%
8	6.757	920	930	946	rBV	136235	330122	72.64%	13.458%
9	8.647	1233	1240	1250	rBV	288511	454433	100.00%	18.526%
10	10.049	1465	1470	1487	rBV	304505	416766	91.71%	16.990%
11	11.079	1634	1639	1653	rBV	239827	307387	67.64%	12.531%
12	12.018	1788	1793	1805	rBV	283367	356164	78.38%	14.520%

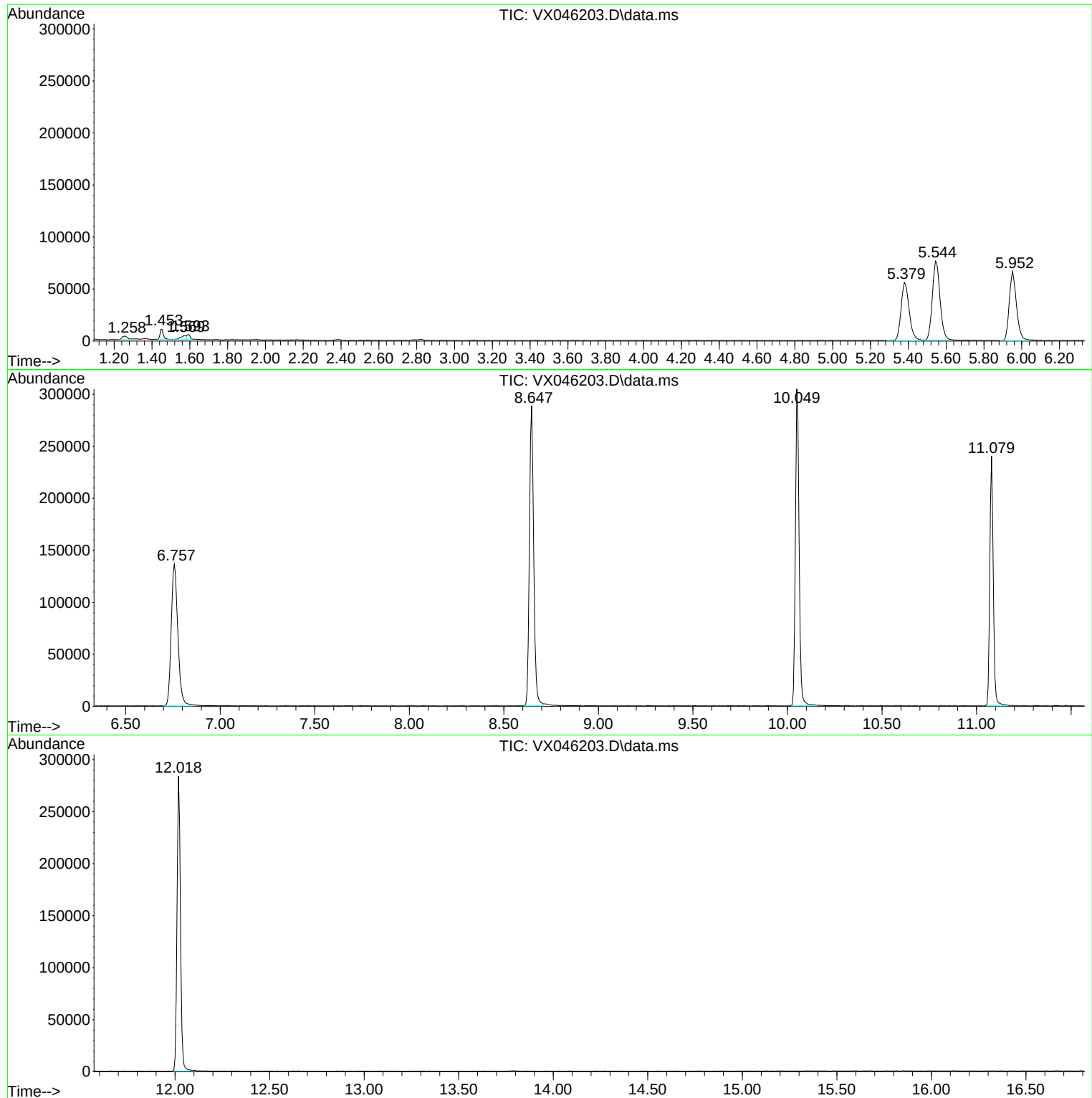
Sum of corrected areas: 2452939

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051525\
Data File : VX046203.D
Acq On : 15 May 2025 11:01
Operator : JC/MD
Sample : Q2018-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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: GENV01
 Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018
 Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF020 = VX046041.D			RRF050 = VX046042.D		RRF100 = VX046043.D		
	RRF150 = VX046044.D			RRF005 = VX046046.D		RRF001 = VX046047.D		
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Tert butyl alcohol	0.122	0.129	0.144	0.146	0.114		0.131	10.4
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018
 Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D			
		RRF150 = VX046044.D		RRF005 = VX046046.D		RRF001 = VX046047.D			
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD	
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7	
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2	
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2	
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7	
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6	
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2	
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7	
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6	
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7	
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2	
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4	

* 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_X\Method\
 Method File : 82X050525W.M
 Title : SW846 8260
 Last Update : Tue May 06 07:12:22 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3) P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4) C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5) T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6) T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7) T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8) T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9) T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10) T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11) T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12) CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13) T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14) T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15) T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16) T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17) T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18) T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19) T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20) T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21) T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22) T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23) T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24) P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25) T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26) T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27) T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28) T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29) T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30) C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31) T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32) T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33) S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36) T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37) T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38) T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39) T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40) TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41) T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42) TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43) T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44) TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45) C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46) T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47) T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48) T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49) T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50) S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51) T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52) CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53) T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54) T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55) T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56) T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046041.D
 Acq On : 05 May 2025 11:35
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046041.D
 Acq On : 05 May 2025 11:35
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l	95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l	100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l	99
44) Trichloroethene	7.116	130	20239	14.429	ug/l	99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l	98
46) Dibromomethane	7.580	93	16781	14.439	ug/l	99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l	94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l	100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l	98
52) Toluene	8.713	92	52030	14.788	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l	96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l	98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l	100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l	99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l	99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l	96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l	97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l	98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l	100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l	99
69) o-Xylene	10.640	106	35178	14.408	ug/l	96
70) Styrene	10.652	104	58034	14.853	ug/l	98
71) Bromoform	10.799	173	13825	14.030	ug/l #	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l	99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l	
77) Bromobenzene	11.195	156	21695	14.212	ug/l	96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l	99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l	91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l	100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l	99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l	100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l	99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l	99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l	99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l	97
95) Naphthalene	13.774	128	77542	14.040	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

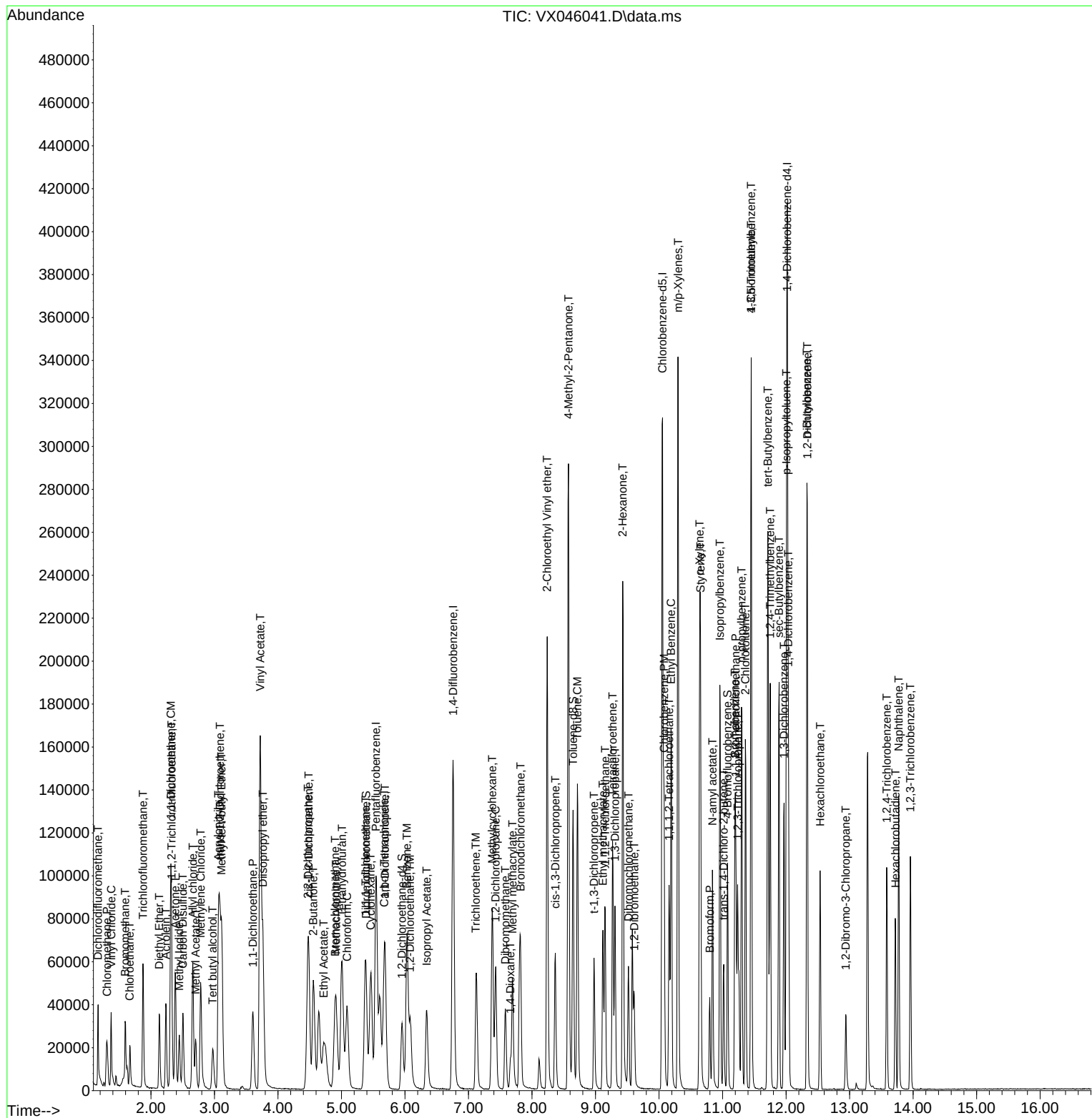
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046042.D
 Acq On : 05 May 2025 11:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046042.D
 Acq On : 05 May 2025 11:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l	100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l	100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l	100
44) Trichloroethene	7.123	130	59623	37.230	ug/l	100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l	100
46) Dibromomethane	7.574	93	48201	36.326	ug/l	100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l	100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l	100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l	100
52) Toluene	8.714	92	150757	37.530	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l	100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l	100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l	100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l	100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l	100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l	100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l	100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l	100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l	100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l	100
69) o-Xylene	10.640	106	106335	38.064	ug/l	100
70) Styrene	10.653	104	178313	39.888	ug/l	100
71) Bromoform	10.799	173	44486	39.457	ug/l #	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l	100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l	
77) Bromobenzene	11.195	156	63053	36.763	ug/l	100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l	100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l	100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l	100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l	100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l	100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l	100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l	100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l	100
95) Naphthalene	13.774	128	245568	39.575	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

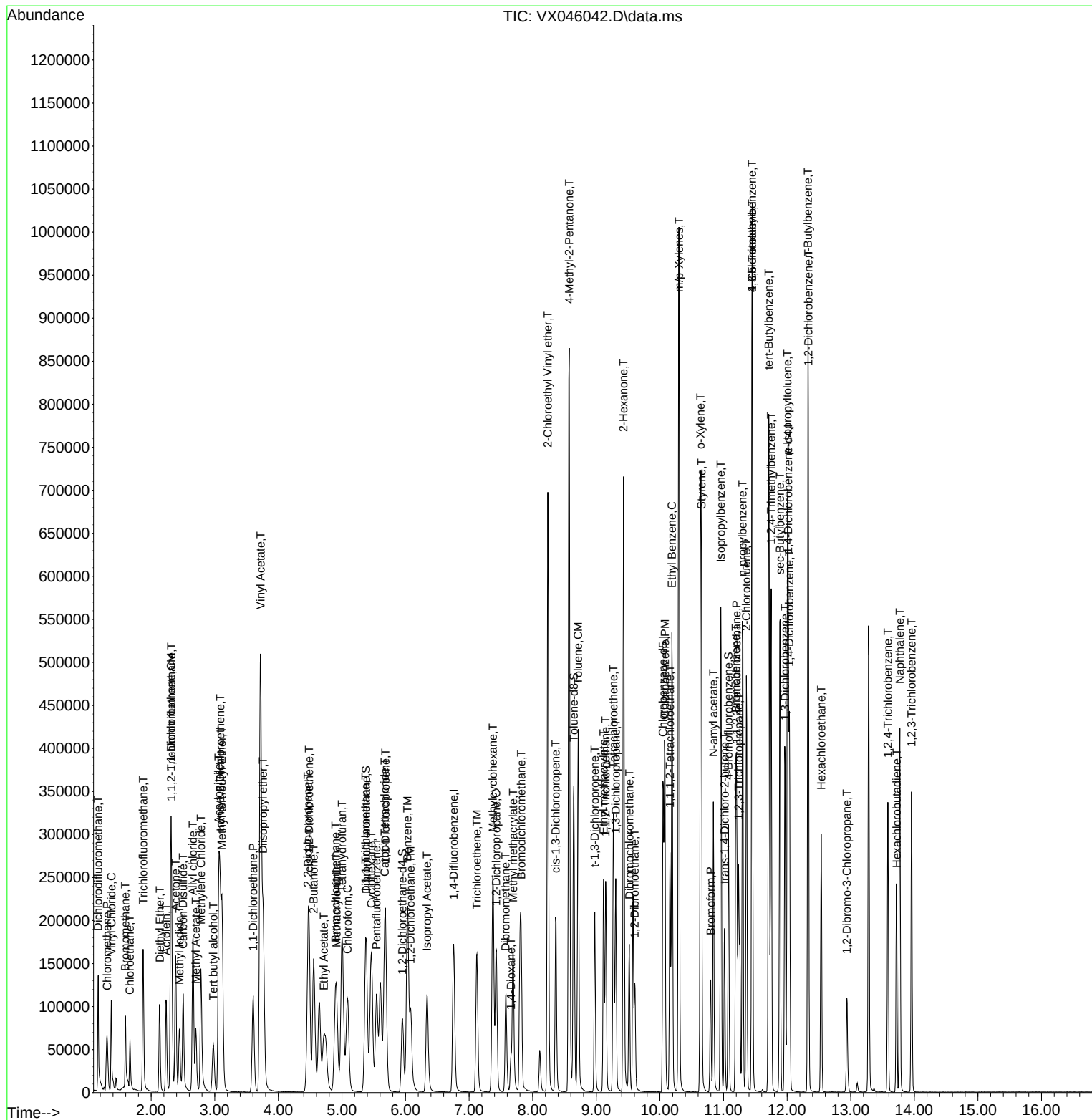
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046043.D
 Acq On : 05 May 2025 12:21
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046043.D
 Acq On : 05 May 2025 12:21
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l	98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l	99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l	100
44) Trichloroethene	7.123	130	105628	72.420	ug/l	98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l	100
46) Dibromomethane	7.574	93	85728	70.938	ug/l	100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l	99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l	99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l	100
52) Toluene	8.714	92	270763	74.010	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l	99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l	99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l	100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l	100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l	98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l	98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l	96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l	99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l	99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l	99
69) o-Xylene	10.640	106	190833	73.890	ug/l	97
70) Styrene	10.652	104	328195	79.411	ug/l	100
71) Bromoform	10.799	173	84353	80.927	ug/l #	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l	100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l	
77) Bromobenzene	11.195	156	117151	69.959	ug/l	99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l	100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l	93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l	100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l	100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l	100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l	99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l	100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l	98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l	98
95) Naphthalene	13.774	128	489778	80.842	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

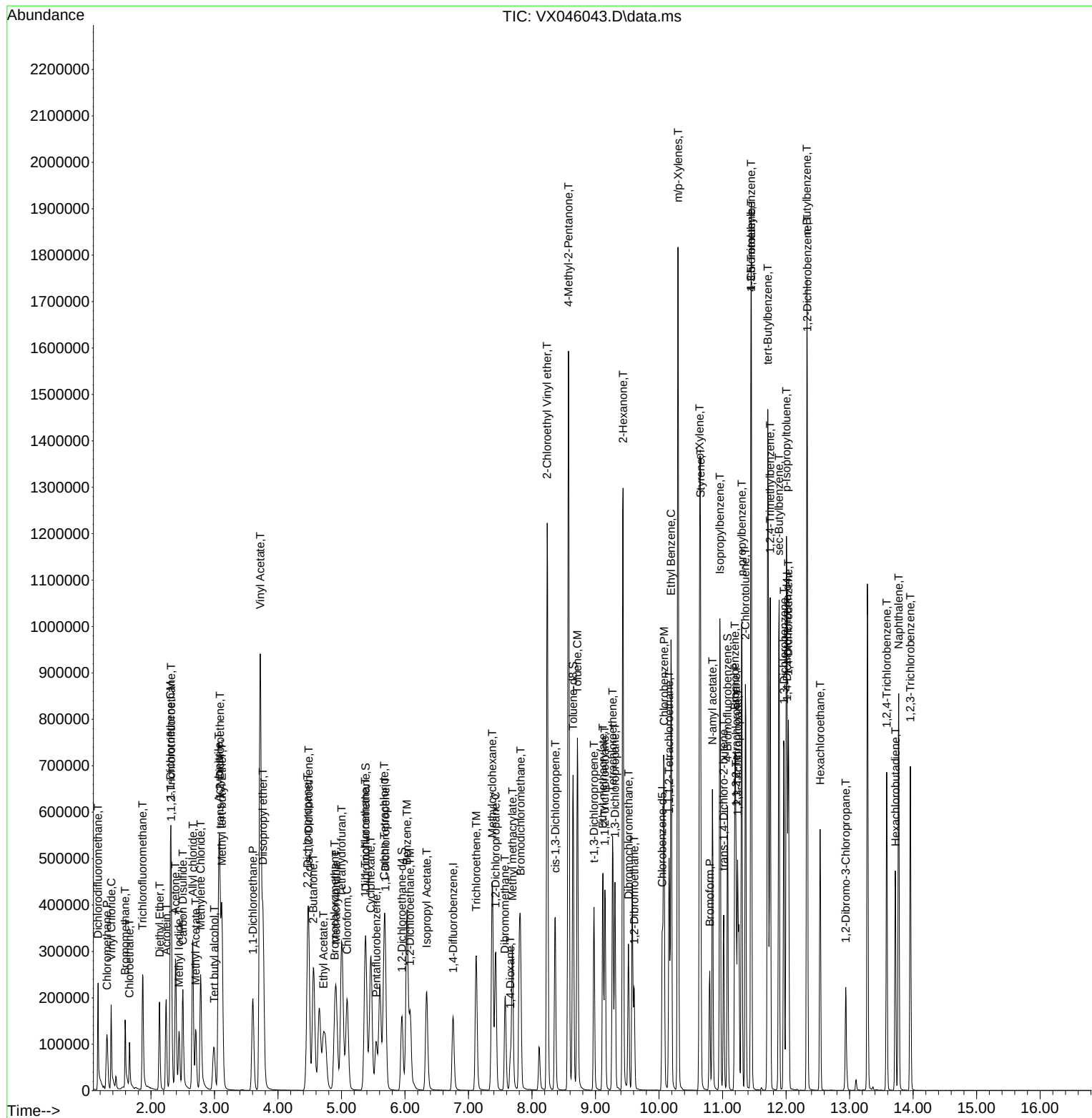
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046044.D
 Acq On : 05 May 2025 12:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: May 06 06:11:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046044.D
 Acq On : 05 May 2025 12:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l	98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l	99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l	100
44) Trichloroethene	7.117	130	157641	114.032	ug/l	96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l	99
46) Dibromomethane	7.574	93	125846	109.869	ug/l	100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l	98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l	99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l	100
52) Toluene	8.714	92	393323	113.430	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l	97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l	99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l	100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l	99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l	98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l	97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l	96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l	99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l	99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l	100
69) o-Xylene	10.640	106	279906	113.990	ug/l	99
70) Styrene	10.653	104	474254	120.694	ug/l	99
71) Bromoform	10.799	173	125986	127.128	ug/l #	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l	99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l	
77) Bromobenzene	11.195	156	167934	110.297	ug/l	99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l	100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l	93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l	100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l	99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l	99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l	100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l	100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l	98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l	99
95) Naphthalene	13.774	128	721236	130.929	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

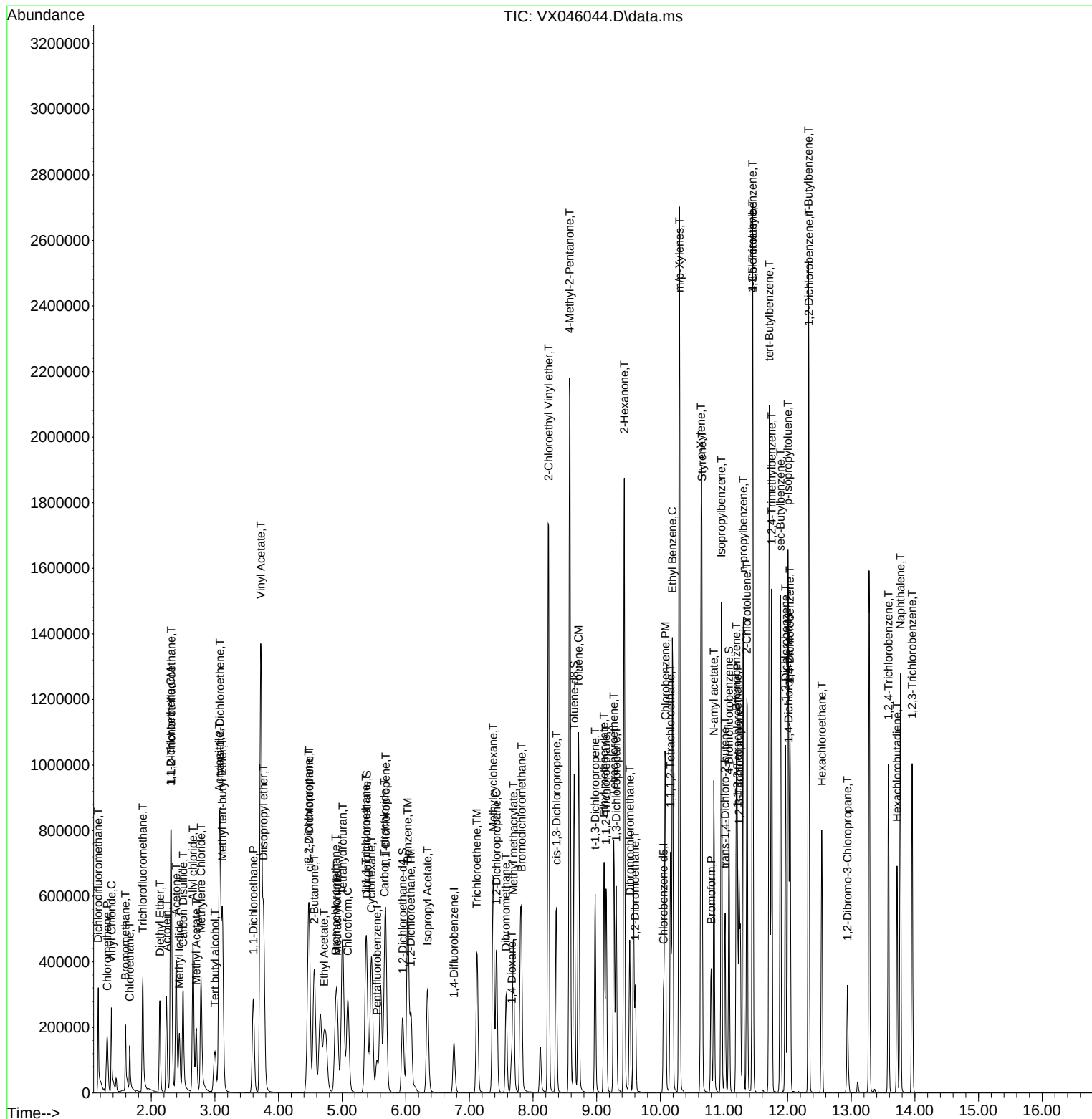
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046046.D
 Acq On : 05 May 2025 16:04
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046046.D
 Acq On : 05 May 2025 16:04
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l #	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l	100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l	96
44) Trichloroethene	7.123	130	5313	3.307	ug/l	94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l #	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l	98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l	98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l	97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l	98
52) Toluene	8.714	92	14126	3.505	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l	98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l	98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l	99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l	97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l	98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l	99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l	96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l	99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l	99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l	98
69) o-Xylene	10.640	106	9398	3.343	ug/l	95
70) Styrene	10.652	104	14900	3.312	ug/l	99
71) Bromoform	10.799	173	3470	3.059	ug/l #	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l	98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l	
77) Bromobenzene	11.195	156	5857	3.417	ug/l	96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l	100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l	99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l	98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l	97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l	99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l	90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l	94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l	96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l	96
95) Naphthalene	13.774	128	19902	3.209	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

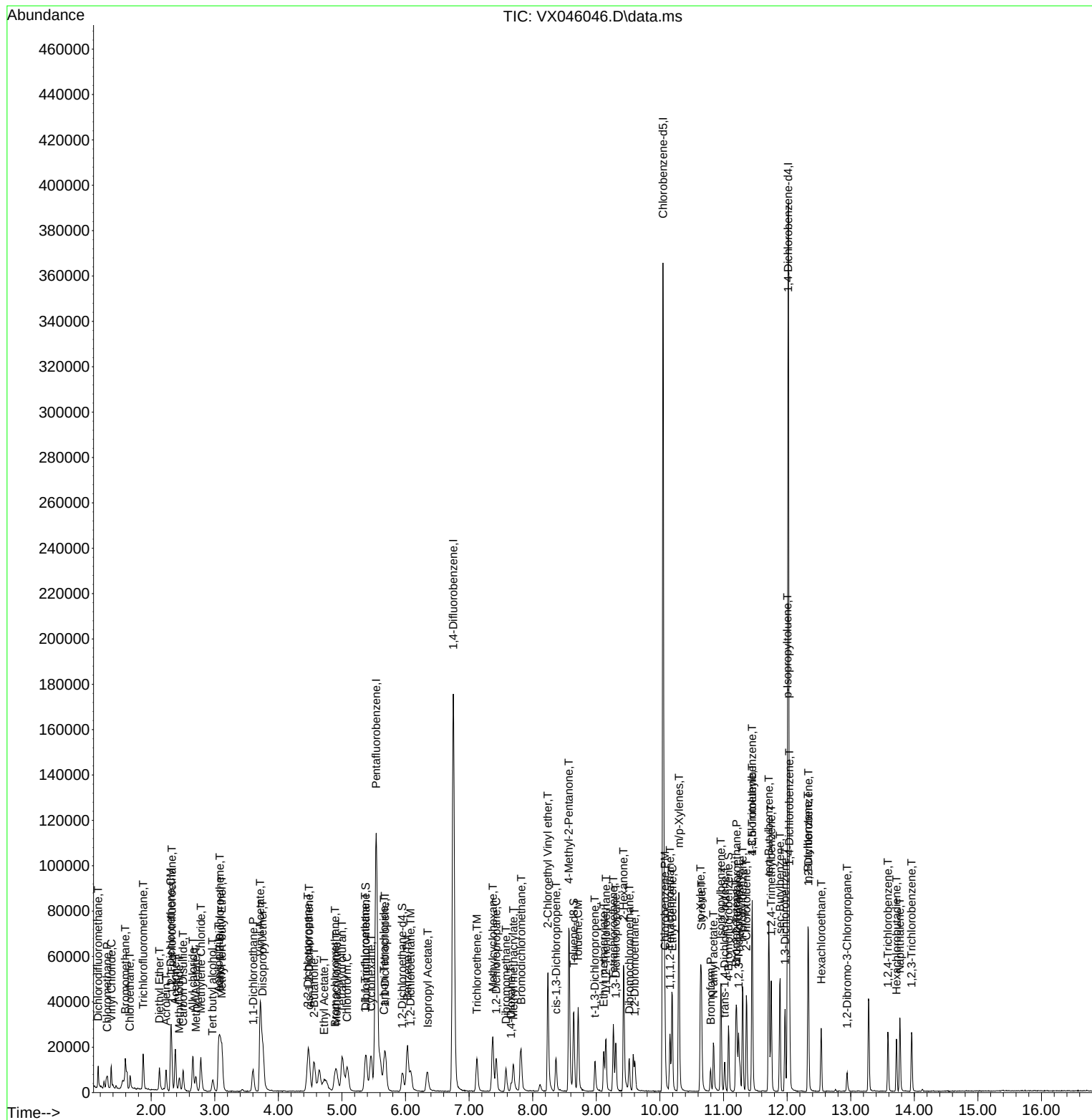
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On    : 05 May 2025  16:04
Operator  : JC/MD
Sample    : VSTDIC005
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 10   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046047.D
 Acq On : 05 May 2025 16:27
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l	98
3) Chloromethane	1.307	50	1278	0.639	ug/l	97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l #	82
6) Chloroethane	1.678	64	859	0.951	ug/l	91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l	95
8) Diethyl Ether	2.130	74	742	0.845	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l	96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l #	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l	89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l	98
16) Acetone	2.380	43	3500	3.736	ug/l	97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l	98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l	96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l #	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l #	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l #	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l	96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l	97
25) 2-Butanone	4.593	43	4558	3.371	ug/l	92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l	84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l	91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l	
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l	99
30) Chloroform	5.093	83	2328	0.695	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l #	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l #	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l	
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l #	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l	97
40) Benzene	6.044	78	4502	0.668	ug/l #	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l #	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l	81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l #	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l	85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046047.D
 Acq On : 05 May 2025 16:27
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: May 06 06:13:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l	97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l #	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l	
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l #	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l	97
52) Toluene	8.720	92	2684	0.672	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l #	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l	92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l	94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l	88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l	98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l	95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l #	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l	94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l	97
69) o-Xylene	10.640	106	1799	0.672	ug/l	94
70) Styrene	10.659	104	2664	0.622	ug/l	98
71) Bromoform	10.799	173	657	0.608	ug/l #	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l	96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l	
77) Bromobenzene	11.201	156	1095	0.734	ug/l	96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l	97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l	96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l	97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l	97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l	100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l	
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l	92
90) Hexachloroethane	12.536	117	604	0.616	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l	94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l	89
95) Naphthalene	13.780	128	4138	0.767	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l	96

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

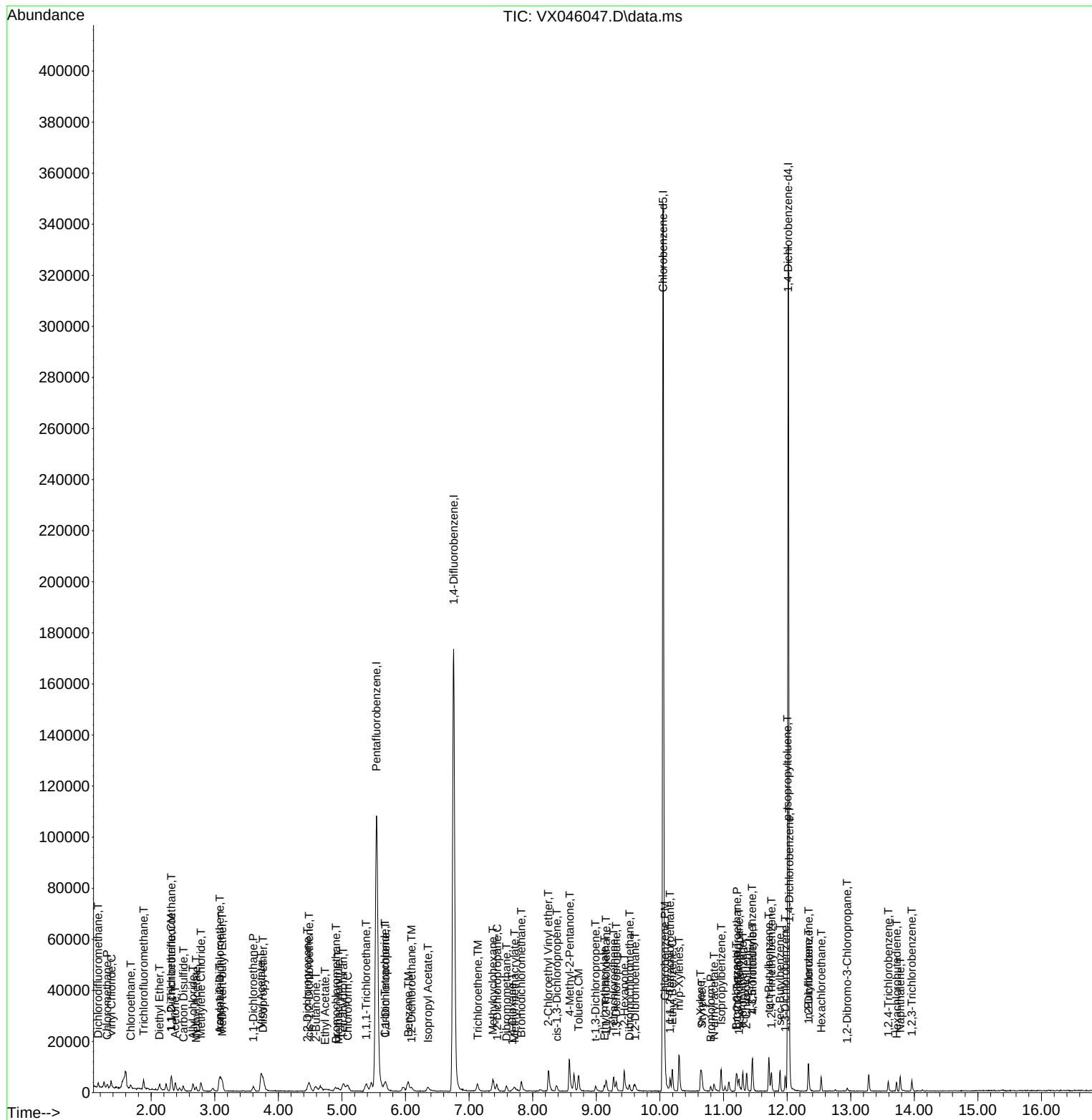
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\  
Data File : VX046047.D  
Acq On    : 05 May 2025  16:27  
Operator  : JC/MD  
Sample    : VSTDICC001  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 11 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.020%		
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.360%		
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l	100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l	98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l	99
44) Trichloroethene	7.123	130	55491	50.018	ug/l	100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l	98
46) Dibromomethane	7.580	93	45181	49.978	ug/l	99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l	100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l	98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l	100
52) Toluene	8.714	92	144574	51.150	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l	96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l	99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l	99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l	100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l	98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l	98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l	100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l	100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l	99
69) o-Xylene	10.640	106	101469	50.841	ug/l	99
70) Styrene	10.653	104	169703	51.907	ug/l	99
71) Bromoform	10.799	173	40364	49.583	ug/l #	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l	100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l	
77) Bromobenzene	11.195	156	59871	48.549	ug/l	98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l	100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l	98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l	100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l	100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l	99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l	99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l	100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l	100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l	98
95) Naphthalene	13.774	128	239805	50.404	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

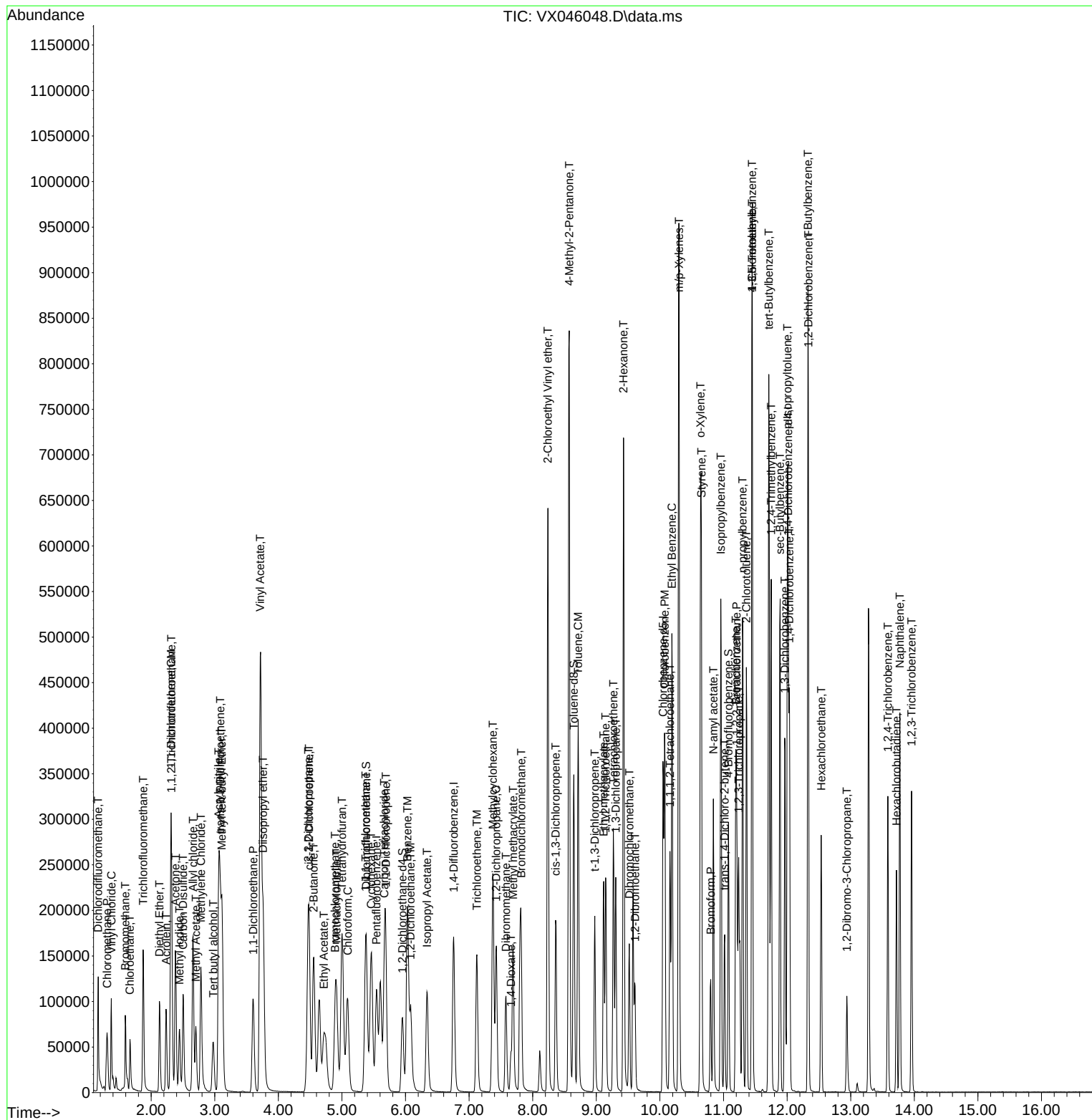
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3 P	Chloromethane	0.742	0.781	-5.3	96	0.00
4 C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5 T	Bromomethane	0.320	0.324	-1.3	95	0.00
6 T	Chloroethane	0.369	0.385	-4.3	97	0.00
7 T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8 T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10 T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11 T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12 CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13 T	Acrolein	0.149	0.139	6.7	87	0.00
14 T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15 T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16 T	Acetone	0.374	0.367	1.9	97	0.00
17 T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18 T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19 T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20 T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22 T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23 T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24 P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25 T	2-Butanone	0.543	0.558	-2.8	96	0.00
26 T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28 T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29 T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30 C	Chloroform	1.271	1.305	-2.7#	96	0.00
31 T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32 T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36 T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37 T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38 T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39 T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40 TM	Benzene	1.417	1.439	-1.6	95	0.00
41 T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42 TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43 T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44 TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45 C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46 T	Dibromomethane	0.278	0.278	0.0	94	0.00
47 T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48 T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	100	0.00
50 S	Toluene-d8	1.246	1.221	2.0	97	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52 CM	Toluene	0.869	0.889	-2.3#	96	0.00
53 T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55 T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56 T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57 T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59 T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60 T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61 T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62 S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65 PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67 C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68 T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69 T	o-Xylene	0.688	0.699	-1.6	95	0.00
70 T	Styrene	1.127	1.170	-3.8	95	0.00
71 P	Bromoform	0.281	0.278	1.1	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74 T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76 T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77 T	Bromobenzene	0.904	0.878	2.9	95	0.00
78 T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79 T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82 T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83 T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85 T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86 T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87 T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88 T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89 T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90 T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91 T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94 T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95 T	Naphthalene	3.487	3.515	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.952	3.0	94	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3 P	Chloromethane	50.000	52.592	-5.2	96	0.00
4 C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5 T	Bromomethane	50.000	50.627	-1.3	95	0.00
6 T	Chloroethane	50.000	52.271	-4.5	97	0.00
7 T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8 T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10 T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11 T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12 CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13 T	Acrolein	250.000	232.505	7.0	87	0.00
14 T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15 T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16 T	Acetone	250.000	245.518	1.8	97	0.00
17 T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18 T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19 T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20 T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22 T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23 T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24 P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25 T	2-Butanone	250.000	257.110	-2.8	96	0.00
26 T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28 T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29 T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30 C	Chloroform	50.000	51.332	-2.7#	96	0.00
31 T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32 T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36 T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37 T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38 T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39 T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40 TM	Benzene	50.000	50.759	-1.5	95	0.00
41 T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42 TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43 T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44 TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45 C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46 T	Dibromomethane	50.000	49.978	0.0	94	0.00
47 T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48 T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1059.599	-6.0	100	0.00
50 S	Toluene-d8	50.000	48.984	2.0	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52 CM	Toluene	50.000	51.150	-2.3#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55 T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56 T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57 T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59 T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60 T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61 T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62 S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65 PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67 C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68 T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69 T	o-Xylene	50.000	50.841	-1.7	95	0.00
70 T	Styrene	50.000	51.907	-3.8	95	0.00
71 P	Bromoform	50.000	49.583	0.8	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74 T	N-ethyl acetate	50.000	52.407	-4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76 T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77 T	Bromobenzene	50.000	48.549	2.9	95	0.00
78 T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79 T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82 T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83 T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85 T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86 T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87 T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88 T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89 T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90 T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91 T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94 T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95 T	Naphthalene	50.000	50.404	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.525	3.0	94	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: GENV01

Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018

Instrument ID: MSVOA_X Calibration Date/Time: 05/13/2025 10:00

Lab File ID: VX046153.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.751	0.1	1.21	20
Vinyl Chloride	0.691	0.696		0.72	20
Bromomethane	0.320	0.304		-5	20
Chloroethane	0.369	0.375		1.63	20
Tert butyl alcohol	0.131	0.128		-2.29	20
1,1-Dichloroethene	0.593	0.578		-2.53	20
Acetone	0.374	0.410		9.63	20
Carbon Disulfide	1.406	1.375		-2.2	20
Methyl tert-butyl Ether	2.079	2.132		2.55	20
Methylene Chloride	0.716	0.668		-6.7	20
trans-1,2-Dichloroethene	0.596	0.589		-1.17	20
1,1-Dichloroethane	1.219	1.231	0.1	0.98	20
2-Butanone	0.543	0.561		3.32	20
Carbon Tetrachloride	0.544	0.574		5.51	20
cis-1,2-Dichloroethene	0.718	0.715		-0.42	20
Chloroform	1.271	1.300		2.28	20
1,1,1-Trichloroethane	1.101	1.117		1.45	20
Benzene	1.417	1.440		1.62	20
1,2-Dichloroethane	0.612	0.625		2.12	20
Trichloroethene	0.341	0.344		0.88	20
1,2-Dichloropropane	0.352	0.370		5.11	20
Bromodichloromethane	0.547	0.588		7.49	20
4-Methyl-2-Pentanone	0.605	0.632		4.46	20
Toluene	0.869	0.884		1.73	20
t-1,3-Dichloropropene	0.487	0.532		9.24	20
cis-1,3-Dichloropropene	0.538	0.581		7.99	20
1,1,2-Trichloroethane	0.343	0.351		2.33	20
2-Hexanone	0.448	0.467		4.24	20
Dibromochloromethane	0.376	0.418		11.17	20
Tetrachloroethene	0.354	0.368		3.95	20
Chlorobenzene	1.094	1.091	0.3	-0.27	20
Ethyl Benzene	1.929	1.981		2.7	20
m/p-Xylenes	0.706	0.736		4.25	20
o-Xylene	0.688	0.715		3.92	20
Styrene	1.127	1.209		7.28	20
Bromoform	0.281	0.307	0.1	9.25	20
1,1,2,2-Tetrachloroethane	1.364	1.283	0.3	-5.94	20
1,2-Dichloroethane-d4	0.932	0.899		-3.54	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: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018
Instrument ID: MSVOA_X Calibration Date/Time: 05/13/2025 10:00
Lab File ID: VX046153.D Init. Calib. Date(s): 05/05/2025 05/05/2025
Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.236		-0.8	20
4-Bromofluorobenzene	0.478	0.484		1.25	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_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	98502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	167387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88548	48.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.440%		
35) Dibromofluoromethane	5.379	113	62082	51.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.000%		
50) Toluene-d8	8.640	98	206879	49.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.180%		
62) 4-Bromofluorobenzene	11.079	95	80981	50.604	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82665	54.831	ug/l	98
3) Chloromethane	1.306	50	73977	50.599	ug/l	99
4) Vinyl Chloride	1.373	62	68541	50.372	ug/l	99
5) Bromomethane	1.593	94	29973	47.492	ug/l	98
6) Chloroethane	1.666	64	36911	50.814	ug/l	96
7) Trichlorofluoromethane	1.873	101	104977	52.202	ug/l	100
8) Diethyl Ether	2.129	74	33662	49.172	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	64320	51.683	ug/l	98
10) Methyl Iodide	2.446	142	70924	48.163	ug/l	99
11) Tert butyl alcohol	2.971	59	62867	243.884	ug/l	99
12) 1,1-Dichloroethene	2.312	96	56910	48.725	ug/l	96
13) Acrolein	2.233	56	83810	285.492	ug/l	99
14) Allyl chloride	2.654	41	115482	51.734	ug/l	98
15) Acrylonitrile	3.062	53	189375	256.923	ug/l	99
16) Acetone	2.379	43	201897	274.202	ug/l	99
17) Carbon Disulfide	2.501	76	135470	48.923	ug/l	99
18) Methyl Acetate	2.702	43	91348	53.463	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	209959	51.273	ug/l	98
20) Methylene Chloride	2.782	84	65777	46.617	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	58057	49.427	ug/l	99
22) Diisopropyl ether	3.757	45	221111	51.279	ug/l	97
23) Vinyl Acetate	3.714	43	985800	259.937	ug/l	100
24) 1,1-Dichloroethane	3.599	63	121218	50.473	ug/l	99
25) 2-Butanone	4.550	43	276370	258.541	ug/l	100
26) 2,2-Dichloropropane	4.464	77	97857	52.058	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	70401	49.788	ug/l	100
28) Bromochloromethane	4.885	49	60754	52.554	ug/l	98
29) Tetrahydrofuran	5.001	42	169140	252.509	ug/l	99
30) Chloroform	5.080	83	128041	51.150	ug/l	98
31) Cyclohexane	5.458	56	106545	48.684	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	110040	50.711	ug/l	100
36) 1,1-Dichloropropene	5.684	75	80599	49.767	ug/l	99
37) Ethyl Acetate	4.708	43	101469	50.711	ug/l	99
38) Carbon Tetrachloride	5.665	117	96000	52.757	ug/l	97
39) Methylcyclohexane	7.372	83	103987	49.874	ug/l	95
40) Benzene	6.031	78	241084	50.821	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	58409	55.803	ug/l	98
42) 1,2-Dichloroethane	6.074	62	104637	51.108	ug/l	100
43) Isopropyl Acetate	6.336	43	160905	52.712	ug/l	99
44) Trichloroethene	7.116	130	57533	50.391	ug/l	97
45) 1,2-Dichloropropane	7.427	63	61983	52.547	ug/l	98
46) Dibromomethane	7.573	93	47779	51.357	ug/l	98
47) Bromodichloromethane	7.817	83	98344	53.671	ug/l	100
48) Methyl methacrylate	7.689	41	84825	54.412	ug/l	97
49) 1,4-Dioxane	7.659	88	30084	1016.342	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	528906	261.030	ug/l	100
52) Toluene	8.713	92	147915	50.851	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89007	54.650	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	97171	53.981	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	58697	51.177	ug/l	98
56) Ethyl methacrylate	9.116	69	99742	54.564	ug/l	98
57) 1,3-Dichloropropane	9.305	76	104465	50.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	254739	273.344	ug/l	100
59) 2-Hexanone	9.427	43	390477	260.479	ug/l	100
60) Dibromochloromethane	9.518	129	69888	55.484	ug/l	99
61) 1,2-Dibromoethane	9.604	107	61530	51.616	ug/l	98
64) Tetrachloroethene	9.268	164	53943	51.953	ug/l	93
65) Chlorobenzene	10.073	112	160170	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	57345	52.285	ug/l	99
67) Ethyl Benzene	10.189	91	290658	51.336	ug/l	100
68) m/p-Xylenes	10.299	106	215927	104.273	ug/l	100
69) o-Xylene	10.640	106	104981	52.001	ug/l	99
70) Styrene	10.652	104	177405	53.645	ug/l	99
71) Bromoform	10.798	173	45067	54.730	ug/l #	99
73) Isopropylbenzene	10.957	105	282394	51.497	ug/l	100
74) N-amyl acetate	10.841	43	136431	50.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90369	47.026	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	81816m	48.256	ug/l	
77) Bromobenzene	11.195	156	63958	50.237	ug/l	99
78) n-propylbenzene	11.298	91	332668	52.174	ug/l	100
79) 2-Chlorotoluene	11.359	91	203011	49.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	238897	52.146	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26481	50.850	ug/l	99
82) 4-Chlorotoluene	11.451	91	236578	51.872	ug/l	100
83) tert-Butylbenzene	11.713	119	235120	50.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	241198	51.989	ug/l	100
85) sec-Butylbenzene	11.890	105	299076	52.784	ug/l	99
86) p-Isopropyltoluene	12.006	119	246710	52.751	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117835	50.715	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116679	49.172	ug/l	98
89) n-Butylbenzene	12.329	91	220935	53.855	ug/l	99
90) Hexachloroethane	12.536	117	43914	53.296	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115297	49.450	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21277	49.979	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	66994	50.026	ug/l	98
94) Hexachlorobutadiene	13.719	225	30548	52.230	ug/l	100
95) Naphthalene	13.774	128	241042	49.076	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69113	50.017	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

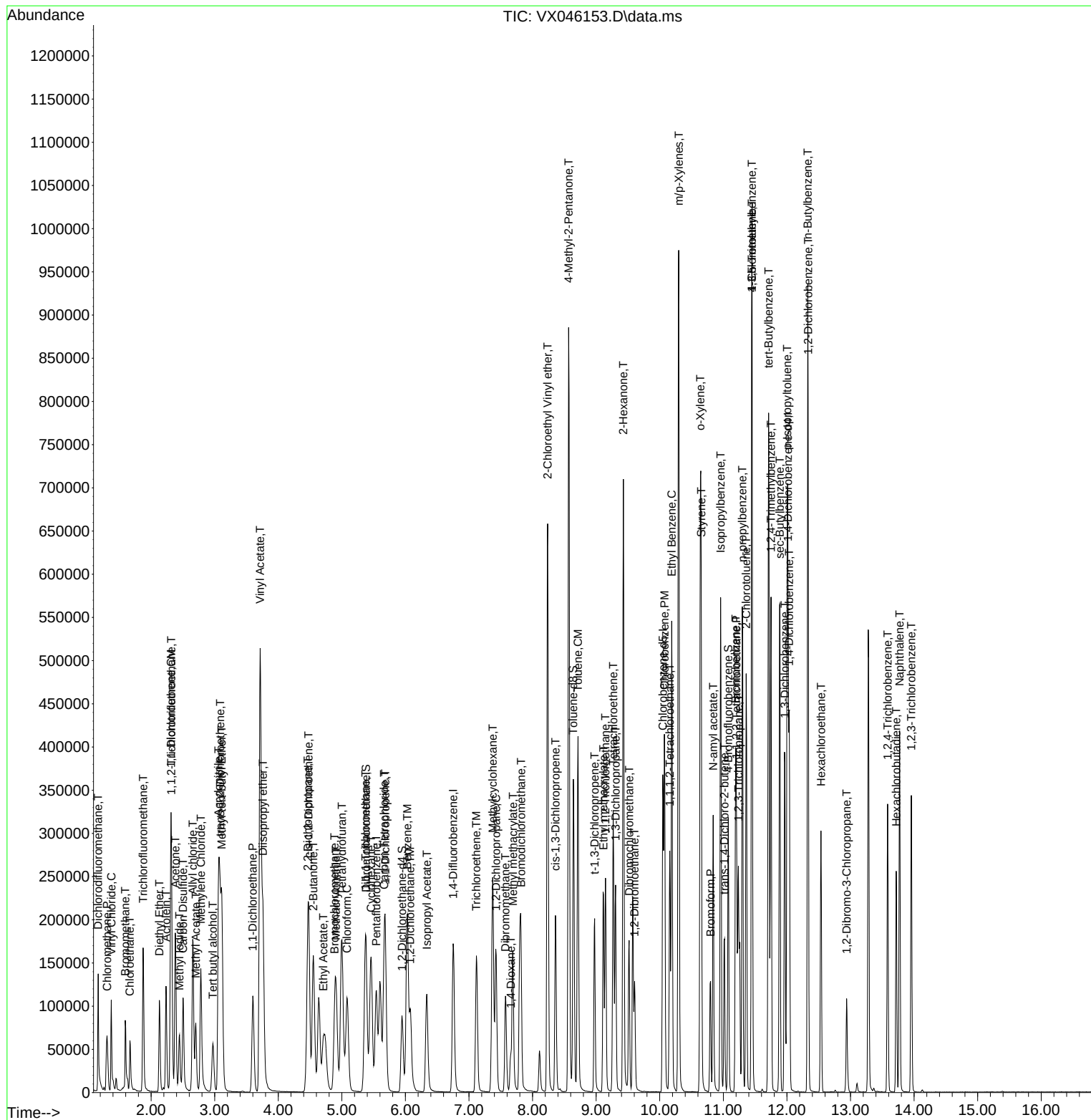
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On    : 13 May 2025  10:00
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.765	0.839	-9.7	99	0.00
3 P	Chloromethane	0.742	0.751	-1.2	98	0.00
4 C	Vinyl Chloride	0.691	0.696	-0.7#	99	0.00
5 T	Bromomethane	0.320	0.304	5.0	95	0.00
6 T	Chloroethane	0.369	0.375	-1.6	101	0.00
7 T	Trichlorofluoromethane	1.021	1.066	-4.4	101	0.00
8 T	Diethyl Ether	0.347	0.342	1.4	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.653	-3.3	103	0.00
10 T	Methyl Iodide	0.747	0.720	3.6	91	0.00
11 T	Tert butyl alcohol	0.131	0.128	2.3	100	0.00
12 CM	1,1-Dichloroethene	0.593	0.578	2.5#	98	0.00
13 T	Acrolein	0.149	0.170	-14.1	113	0.00
14 T	Allyl chloride	1.133	1.172	-3.4	101	0.00
15 T	Acrylonitrile	0.374	0.385	-2.9	101	0.00
16 T	Acetone	0.374	0.410	-9.6	115	0.00
17 T	Carbon Disulfide	1.406	1.375	2.2	96	0.00
18 T	Methyl Acetate	0.867	0.927	-6.9	111	0.00
19 T	Methyl tert-butyl Ether	2.079	2.132	-2.5	100	0.00
20 T	Methylene Chloride	0.716	0.668	6.7	99	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.589	1.2	98	0.00
22 T	Diisopropyl ether	2.189	2.245	-2.6	100	0.00
23 T	Vinyl Acetate	1.925	2.002	-4.0	99	0.00
24 P	1,1-Dichloroethane	1.219	1.231	-1.0	99	0.00
25 T	2-Butanone	0.543	0.561	-3.3	103	0.00
26 T	2,2-Dichloropropane	0.954	0.993	-4.1	105	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.715	0.4	98	0.00
28 T	Bromochloromethane	0.587	0.617	-5.1	108	-0.01
29 T	Tetrahydrofuran	0.340	0.343	-0.9	99	0.00
30 C	Chloroform	1.271	1.300	-2.3#	102	0.00
31 T	Cyclohexane	1.111	1.082	2.6	97	0.00
32 T	1,1,1-Trichloroethane	1.101	1.117	-1.5	100	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.899	3.5	100	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.360	0.371	-3.1	104	0.00
36 T	1,1-Dichloropropene	0.484	0.482	0.4	97	0.00
37 T	Ethyl Acetate	0.598	0.606	-1.3	99	0.00
38 T	Carbon Tetrachloride	0.544	0.574	-5.5	102	0.00
39 T	Methylcyclohexane	0.623	0.621	0.3	97	0.00
40 TM	Benzene	1.417	1.440	-1.6	97	0.00
41 T	Methacrylonitrile	0.313	0.349	-11.5	101	0.00
42 TM	1,2-Dichloroethane	0.612	0.625	-2.1	99	0.00
43 T	Isopropyl Acetate	0.912	0.961	-5.4	99	0.00
44 TM	Trichloroethene	0.341	0.344	-0.9	96	0.00
45 C	1,2-Dichloropropane	0.352	0.370	-5.1#	99	0.00
46 T	Dibromomethane	0.278	0.285	-2.5	99	0.00
47 T	Bromodichloromethane	0.547	0.588	-7.5	101	0.00
48 T	Methyl methacrylate	0.466	0.507	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	99	0.00
50 S	Toluene-d8	1.246	1.236	0.8	101	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.632	-4.5	99	0.00
52 CM	Toluene	0.869	0.884	-1.7#	98	0.00
53 T	t-1,3-Dichloropropene	0.487	0.532	-9.2	100	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.581	-8.0	100	0.00
55 T	1,1,2-Trichloroethane	0.343	0.351	-2.3	99	0.00
56 T	Ethyl methacrylate	0.546	0.596	-9.2	100	0.00
57 T	1,3-Dichloropropane	0.615	0.624	-1.5	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.304	-9.4	99	0.00
59 T	2-Hexanone	0.448	0.467	-4.2	98	0.00
60 T	Dibromochloromethane	0.376	0.418	-11.2	104	0.00
61 T	1,2-Dibromoethane	0.356	0.368	-3.4	98	0.00
62 S	4-Bromofluorobenzene	0.478	0.484	-1.3	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.354	0.368	-4.0	98	0.00
65 PM	Chlorobenzene	1.094	1.091	0.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.391	-4.5	100	0.00
67 C	Ethyl Benzene	1.929	1.981	-2.7#	98	0.00
68 T	m/p-Xylenes	0.706	0.736	-4.2	100	0.00
69 T	o-Xylene	0.688	0.715	-3.9	99	0.00
70 T	Styrene	1.127	1.209	-7.3	99	0.00
71 P	Bromoform	0.281	0.307	-9.3	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.893	4.009	-3.0	101	0.00
74 T	N-amyl acetate	1.924	1.937	-0.7	97	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.283	5.9	99	0.00
76 T	1,2,3-Trichloropropane	1.204	1.162	3.5	101	0.00
77 T	Bromobenzene	0.904	0.908	-0.4	101	0.00
78 T	n-propylbenzene	4.526	4.723	-4.4	101	0.00
79 T	2-Chlorotoluene	2.919	2.882	1.3	100	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.392	-4.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.376	-1.6	101	0.00
82 T	4-Chlorotoluene	3.238	3.359	-3.7	101	0.00
83 T	tert-Butylbenzene	3.276	3.338	-1.9	101	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.424	-4.0	101	0.00
85 T	sec-Butylbenzene	4.022	4.246	-5.6	103	0.00
86 T	p-Isopropyltoluene	3.320	3.503	-5.5	102	0.00
87 T	1,3-Dichlorobenzene	1.649	1.673	-1.5	102	0.00
88 T	1,4-Dichlorobenzene	1.684	1.657	1.6	101	0.00
89 T	n-Butylbenzene	2.912	3.137	-7.7	103	0.00
90 T	Hexachloroethane	0.585	0.623	-6.5	104	0.00
91 T	1,2-Dichlorobenzene	1.655	1.637	1.1	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.302	0.0	97	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.951	0.0	101	0.00
94 T	Hexachlorobutadiene	0.415	0.434	-4.6	105	0.00
95 T	Naphthalene	3.487	3.422	1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.981	0.0	100	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	54.831	-9.7	99	0.00
3 P	Chloromethane	50.000	50.599	-1.2	98	0.00
4 C	Vinyl Chloride	50.000	50.372	-0.7#	99	0.00
5 T	Bromomethane	50.000	47.492	5.0	95	0.00
6 T	Chloroethane	50.000	50.814	-1.6	101	0.00
7 T	Trichlorofluoromethane	50.000	52.202	-4.4	101	0.00
8 T	Diethyl Ether	50.000	49.172	1.7	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.683	-3.4	103	0.00
10 T	Methyl Iodide	50.000	48.163	3.7	91	0.00
11 T	Tert butyl alcohol	250.000	243.884	2.4	100	0.00
12 CM	1,1-Dichloroethene	50.000	48.725	2.5#	98	0.00
13 T	Acrolein	250.000	285.492	-14.2	113	0.00
14 T	Allyl chloride	50.000	51.734	-3.5	101	0.00
15 T	Acrylonitrile	250.000	256.923	-2.8	101	0.00
16 T	Acetone	250.000	274.202	-9.7	115	0.00
17 T	Carbon Disulfide	50.000	48.923	2.2	96	0.00
18 T	Methyl Acetate	50.000	53.463	-6.9	111	0.00
19 T	Methyl tert-butyl Ether	50.000	51.273	-2.5	100	0.00
20 T	Methylene Chloride	50.000	46.617	6.8	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.427	1.1	98	0.00
22 T	Diisopropyl ether	50.000	51.279	-2.6	100	0.00
23 T	Vinyl Acetate	250.000	259.937	-4.0	99	0.00
24 P	1,1-Dichloroethane	50.000	50.473	-0.9	99	0.00
25 T	2-Butanone	250.000	258.541	-3.4	103	0.00
26 T	2,2-Dichloropropane	50.000	52.058	-4.1	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.788	0.4	98	0.00
28 T	Bromochloromethane	50.000	52.554	-5.1	108	-0.01
29 T	Tetrahydrofuran	250.000	252.509	-1.0	99	0.00
30 C	Chloroform	50.000	51.150	-2.3#	102	0.00
31 T	Cyclohexane	50.000	48.684	2.6	97	0.00
32 T	1,1,1-Trichloroethane	50.000	50.711	-1.4	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.218	3.6	100	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	51.505	-3.0	104	0.00
36 T	1,1-Dichloropropene	50.000	49.767	0.5	97	0.00
37 T	Ethyl Acetate	50.000	50.711	-1.4	99	0.00
38 T	Carbon Tetrachloride	50.000	52.757	-5.5	102	0.00
39 T	Methylcyclohexane	50.000	49.874	0.3	97	0.00
40 TM	Benzene	50.000	50.821	-1.6	97	0.00
41 T	Methacrylonitrile	50.000	55.803	-11.6	101	0.00
42 TM	1,2-Dichloroethane	50.000	51.108	-2.2	99	0.00
43 T	Isopropyl Acetate	50.000	52.712	-5.4	99	0.00
44 TM	Trichloroethene	50.000	50.391	-0.8	96	0.00
45 C	1,2-Dichloropropane	50.000	52.547	-5.1#	99	0.00
46 T	Dibromomethane	50.000	51.357	-2.7	99	0.00
47 T	Bromodichloromethane	50.000	53.671	-7.3	101	0.00
48 T	Methyl methacrylate	50.000	54.412	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1016.342	-1.6	99	0.00
50 S	Toluene-d8	50.000	49.588	0.8	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	261.030	-4.4	99	0.00
52 CM	Toluene	50.000	50.851	-1.7#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	54.650	-9.3	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.981	-8.0	100	0.00
55 T	1,1,2-Trichloroethane	50.000	51.177	-2.4	99	0.00
56 T	Ethyl methacrylate	50.000	54.564	-9.1	100	0.00
57 T	1,3-Dichloropropane	50.000	50.716	-1.4	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.344	-9.3	99	0.00
59 T	2-Hexanone	250.000	260.479	-4.2	98	0.00
60 T	Dibromochloromethane	50.000	55.484	-11.0	104	0.00
61 T	1,2-Dibromoethane	50.000	51.616	-3.2	98	0.00
62 S	4-Bromofluorobenzene	50.000	50.604	-1.2	102	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	51.953	-3.9	98	0.00
65 PM	Chlorobenzene	50.000	49.867	0.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.285	-4.6	100	0.00
67 C	Ethyl Benzene	50.000	51.336	-2.7#	98	0.00
68 T	m/p-Xylenes	100.000	104.273	-4.3	100	0.00
69 T	o-Xylene	50.000	52.001	-4.0	99	0.00
70 T	Styrene	50.000	53.645	-7.3	99	0.00
71 P	Bromoform	50.000	54.730	-9.5	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	51.497	-3.0	101	0.00
74 T	N-amyl acetate	50.000	50.348	-0.7	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.026	5.9	99	0.00
76 T	1,2,3-Trichloropropane	50.000	48.256	3.5	101	0.00
77 T	Bromobenzene	50.000	50.237	-0.5	101	0.00
78 T	n-propylbenzene	50.000	52.174	-4.3	101	0.00
79 T	2-Chlorotoluene	50.000	49.362	1.3	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.146	-4.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.850	-1.7	101	0.00
82 T	4-Chlorotoluene	50.000	51.872	-3.7	101	0.00
83 T	tert-Butylbenzene	50.000	50.951	-1.9	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.989	-4.0	101	0.00
85 T	sec-Butylbenzene	50.000	52.784	-5.6	103	0.00
86 T	p-Isopropyltoluene	50.000	52.751	-5.5	102	0.00
87 T	1,3-Dichlorobenzene	50.000	50.715	-1.4	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.172	1.7	101	0.00
89 T	n-Butylbenzene	50.000	53.855	-7.7	103	0.00
90 T	Hexachloroethane	50.000	53.296	-6.6	104	0.00
91 T	1,2-Dichlorobenzene	50.000	49.450	1.1	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.979	0.0	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.026	-0.1	101	0.00
94 T	Hexachlorobutadiene	50.000	52.230	-4.5	105	0.00
95 T	Naphthalene	50.000	49.076	1.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.017	-0.0	100	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.750	0.1	1.08	20
Vinyl Chloride	0.691	0.687		-0.58	20
Bromomethane	0.320	0.290		-9.38	20
Chloroethane	0.369	0.367		-0.54	20
Tert butyl alcohol	0.131	0.127		-3.05	20
1,1-Dichloroethene	0.593	0.584		-1.52	20
Acetone	0.374	0.386		3.21	20
Carbon Disulfide	1.406	1.299		-7.61	20
Methyl tert-butyl Ether	2.079	2.130		2.45	20
Methylene Chloride	0.716	0.679		-5.17	20
trans-1,2-Dichloroethene	0.596	0.582		-2.35	20
1,1-Dichloroethane	1.219	1.242	0.1	1.89	20
2-Butanone	0.543	0.560		3.13	20
Carbon Tetrachloride	0.544	0.568		4.41	20
cis-1,2-Dichloroethene	0.718	0.721		0.42	20
Chloroform	1.271	1.302		2.44	20
1,1,1-Trichloroethane	1.101	1.122		1.91	20
Benzene	1.417	1.472		3.88	20
1,2-Dichloroethane	0.612	0.643		5.07	20
Trichloroethene	0.341	0.354		3.81	20
1,2-Dichloropropane	0.352	0.381		8.24	20
Bromodichloromethane	0.547	0.592		8.23	20
4-Methyl-2-Pentanone	0.605	0.652		7.77	20
Toluene	0.869	0.907		4.37	20
t-1,3-Dichloropropene	0.487	0.532		9.24	20
cis-1,3-Dichloropropene	0.538	0.584		8.55	20
1,1,2-Trichloroethane	0.343	0.367		7	20
2-Hexanone	0.448	0.480		7.14	20
Dibromochloromethane	0.376	0.419		11.44	20
Tetrachloroethene	0.354	0.354		0	20
Chlorobenzene	1.094	1.097	0.3	0.27	20
Ethyl Benzene	1.929	2.001		3.73	20
m/p-Xylenes	0.706	0.735		4.11	20
o-Xylene	0.688	0.718		4.36	20
Styrene	1.127	1.238		9.85	20
Bromoform	0.281	0.296	0.1	5.34	20
1,1,2,2-Tetrachloroethane	1.364	1.331	0.3	-2.42	20
1,2-Dichloroethane-d4	0.932	0.914		-1.93	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: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018
Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59
Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025
Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.293		3.77	20
4-Bromofluorobenzene	0.478	0.507		6.07	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_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	92522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84565	49.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	5.379	113	59183	52.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.560%		
50) Toluene-d8	8.640	98	201370	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	11.079	95	78977	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75455	53.283	ug/l	97
3) Chloromethane	1.306	50	69407	50.541	ug/l	98
4) Vinyl Chloride	1.373	62	63538	49.713	ug/l	99
5) Bromomethane	1.593	94	26858	45.307	ug/l	97
6) Chloroethane	1.666	64	33944	49.749	ug/l	97
7) Trichlorofluoromethane	1.873	101	96944	51.323	ug/l	98
8) Diethyl Ether	2.135	74	31040	48.272	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	60493	51.750	ug/l	99
10) Methyl Iodide	2.440	142	61544	44.495	ug/l	98
11) Tert butyl alcohol	2.983	59	58844	243.032	ug/l	99
12) 1,1-Dichloroethene	2.306	96	54016	49.236	ug/l	98
13) Acrolein	2.233	56	74317	269.517	ug/l	100
14) Allyl chloride	2.654	41	108978	51.975	ug/l	98
15) Acrylonitrile	3.062	53	177703	256.670	ug/l	97
16) Acetone	2.385	43	178746	258.450	ug/l	100
17) Carbon Disulfide	2.501	76	120213	46.219	ug/l	99
18) Methyl Acetate	2.702	43	86558	53.934	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	197109	51.246	ug/l	99
20) Methylene Chloride	2.782	84	62797	47.382	ug/l	96
21) trans-1,2-Dichloroethene	3.080	96	53849	48.808	ug/l	96
22) Diisopropyl ether	3.757	45	211893	52.318	ug/l	97
23) Vinyl Acetate	3.714	43	919719	258.187	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114951	50.957	ug/l	98
25) 2-Butanone	4.556	43	259186	258.137	ug/l	99
26) 2,2-Dichloropropane	4.464	77	88821	50.305	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	66737	50.247	ug/l	99
28) Bromochloromethane	4.891	49	53358	49.140	ug/l	99
29) Tetrahydrofuran	5.001	42	160021	254.336	ug/l	99
30) Chloroform	5.086	83	120443	51.225	ug/l	96
31) Cyclohexane	5.458	56	100204	48.746	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103781	50.918	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75672	50.230	ug/l	99
37) Ethyl Acetate	4.708	43	95498	51.307	ug/l	99
38) Carbon Tetrachloride	5.671	117	88471	52.266	ug/l	97
39) Methylcyclohexane	7.372	83	98803	50.942	ug/l	95
40) Benzene	6.025	78	229214	51.944	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	55872	57.383	ug/l	99
42) 1,2-Dichloroethane	6.080	62	100162	52.592	ug/l	100
43) Isopropyl Acetate	6.336	43	152717	53.783	ug/l	100
44) Trichloroethene	7.122	130	55066	51.848	ug/l	100
45) 1,2-Dichloropropane	7.421	63	59276	54.022	ug/l	100
46) Dibromomethane	7.573	93	45403	52.464	ug/l	99
47) Bromodichloromethane	7.817	83	92130	54.051	ug/l	98
48) Methyl methacrylate	7.689	41	79292	54.678	ug/l	99
49) 1,4-Dioxane	7.659	88	29613	1075.475	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	507725	269.373	ug/l	100
52) Toluene	8.713	92	141251	52.203	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	82854	54.688	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	90937	54.307	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	57222	53.633	ug/l	96
56) Ethyl methacrylate	9.116	69	95191	55.981	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100399	52.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	250117	288.517	ug/l	100
59) 2-Hexanone	9.427	43	373605	267.919	ug/l	100
60) Dibromochloromethane	9.518	129	65246	55.684	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58733	52.965	ug/l	98
64) Tetrachloroethene	9.268	164	49716	50.004	ug/l	97
65) Chlorobenzene	10.073	112	154083	50.098	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	53417	50.862	ug/l	99
67) Ethyl Benzene	10.189	91	281152	51.859	ug/l	99
68) m/p-Xylenes	10.299	106	206571	104.178	ug/l	98
69) o-Xylene	10.640	106	100862	52.176	ug/l	97
70) Styrene	10.652	104	173899	54.916	ug/l	100
71) Bromoform	10.799	173	41583	52.737	ug/l #	98
73) Isopropylbenzene	10.957	105	273816	53.491	ug/l	99
74) N-amyl acetate	10.841	43	130717	51.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87500	48.778	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	77241m	48.805	ug/l	
77) Bromobenzene	11.195	156	61354	51.627	ug/l	100
78) n-propylbenzene	11.298	91	320409	53.832	ug/l	100
79) 2-Chlorotoluene	11.359	91	196787	51.259	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	234370	54.804	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24582	50.568	ug/l	99
82) 4-Chlorotoluene	11.451	91	226547	53.213	ug/l	99
83) tert-Butylbenzene	11.713	119	227279	52.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	230811	53.296	ug/l	100
85) sec-Butylbenzene	11.890	105	287878	54.429	ug/l	100
86) p-Isopropyltoluene	12.006	119	237747	54.457	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113068	52.131	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112173	50.642	ug/l	99
89) n-Butylbenzene	12.329	91	213223	55.679	ug/l	99
90) Hexachloroethane	12.536	117	40847	53.107	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	112711	51.786	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20686	52.054	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67243	53.791	ug/l	98
94) Hexachlorobutadiene	13.725	225	28755	52.668	ug/l	98
95) Naphthalene	13.774	128	238800	52.084	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69216	53.661	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

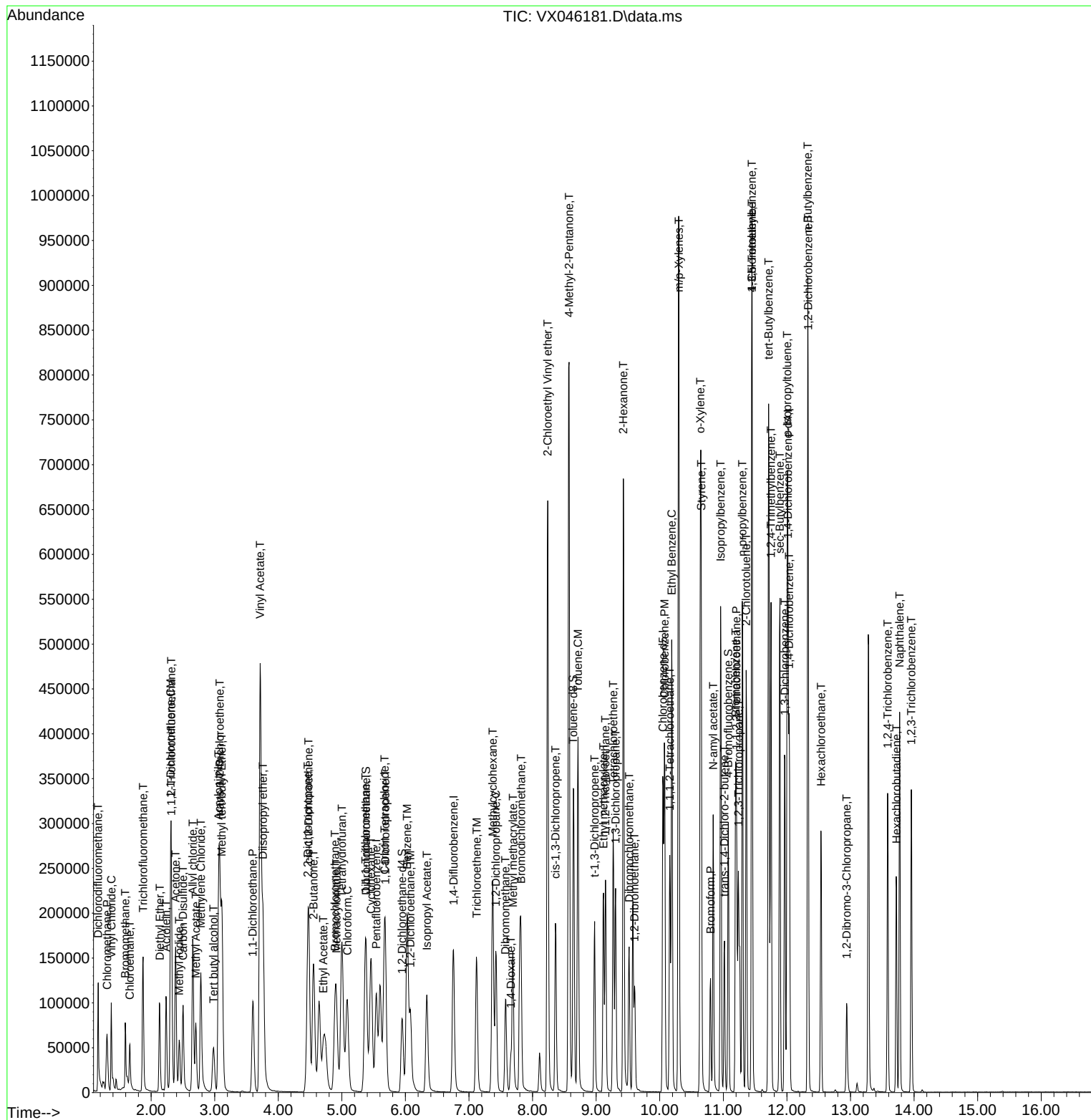
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.765	0.816	-6.7	90	0.00
3 P	Chloromethane	0.742	0.750	-1.1	92	0.00
4 C	Vinyl Chloride	0.691	0.687	0.6#	92	0.00
5 T	Bromomethane	0.320	0.290	9.4	85	0.00
6 T	Chloroethane	0.369	0.367	0.5	92	0.00
7 T	Trichlorofluoromethane	1.021	1.048	-2.6	93	0.00
8 T	Diethyl Ether	0.347	0.335	3.5	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.654	-3.5	97	0.00
10 T	Methyl Iodide	0.747	0.665	11.0	79	0.00
11 T	Tert butyl alcohol	0.131	0.127	3.1	94	0.00
12 CM	1,1-Dichloroethene	0.593	0.584	1.5#	93	0.00
13 T	Acrolein	0.149	0.161	-8.1	101	0.00
14 T	Allyl chloride	1.133	1.178	-4.0	95	0.00
15 T	Acrylonitrile	0.374	0.384	-2.7	94	0.00
16 T	Acetone	0.374	0.386	-3.2	102	0.00
17 T	Carbon Disulfide	1.406	1.299	7.6	85	0.00
18 T	Methyl Acetate	0.867	0.936	-8.0	105	0.00
19 T	Methyl tert-butyl Ether	2.079	2.130	-2.5	94	0.00
20 T	Methylene Chloride	0.716	0.679	5.2	95	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.582	2.3	91	0.00
22 T	Diisopropyl ether	2.189	2.290	-4.6	96	0.00
23 T	Vinyl Acetate	1.925	1.988	-3.3	93	0.00
24 P	1,1-Dichloroethane	1.219	1.242	-1.9	94	0.00
25 T	2-Butanone	0.543	0.560	-3.1	96	0.00
26 T	2,2-Dichloropropane	0.954	0.960	-0.6	96	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.721	-0.4	93	0.00
28 T	Bromochloromethane	0.587	0.577	1.7	95	0.00
29 T	Tetrahydrofuran	0.340	0.346	-1.8	94	0.00
30 C	Chloroform	1.271	1.302	-2.4#	96	0.00
31 T	Cyclohexane	1.111	1.083	2.5	92	0.00
32 T	1,1,1-Trichloroethane	1.101	1.122	-1.9	95	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.914	1.9	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.360	0.380	-5.6	99	0.00
36 T	1,1-Dichloropropene	0.484	0.486	-0.4	91	0.00
37 T	Ethyl Acetate	0.598	0.613	-2.5	93	0.00
38 T	Carbon Tetrachloride	0.544	0.568	-4.4	94	0.00
39 T	Methylcyclohexane	0.623	0.635	-1.9	92	0.00
40 TM	Benzene	1.417	1.472	-3.9	93	0.00
41 T	Methacrylonitrile	0.313	0.359	-14.7	96	0.00
42 TM	1,2-Dichloroethane	0.612	0.643	-5.1	95	0.00
43 T	Isopropyl Acetate	0.912	0.981	-7.6	94	0.00
44 TM	Trichloroethene	0.341	0.354	-3.8	92	0.00
45 C	1,2-Dichloropropane	0.352	0.381	-8.2#	95	0.00
46 T	Dibromomethane	0.278	0.292	-5.0	94	0.00
47 T	Bromodichloromethane	0.547	0.592	-8.2	95	0.00
48 T	Methyl methacrylate	0.466	0.509	-9.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.010	-11.1	97	0.00
50 S	Toluene-d8	1.246	1.293	-3.8	98	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.652	-7.8	95	0.00
52 CM	Toluene	0.869	0.907	-4.4#	94	0.00
53 T	t-1,3-Dichloropropene	0.487	0.532	-9.2	93	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.584	-8.6	94	0.00
55 T	1,1,2-Trichloroethane	0.343	0.367	-7.0	96	0.00
56 T	Ethyl methacrylate	0.546	0.611	-11.9	95	0.00
57 T	1,3-Dichloropropane	0.615	0.645	-4.9	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.321	-15.5	97	0.00
59 T	2-Hexanone	0.448	0.480	-7.1	94	0.00
60 T	Dibromochloromethane	0.376	0.419	-11.4	97	0.00
61 T	1,2-Dibromoethane	0.356	0.377	-5.9	94	0.00
62 S	4-Bromofluorobenzene	0.478	0.507	-6.1	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.354	0.354	0.0	91	0.00
65 PM	Chlorobenzene	1.094	1.097	-0.3	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.380	-1.6	94	0.00
67 C	Ethyl Benzene	1.929	2.001	-3.7#	95	0.00
68 T	m/p-Xylenes	0.706	0.735	-4.1	95	0.00
69 T	o-Xylene	0.688	0.718	-4.4	95	0.00
70 T	Styrene	1.127	1.238	-9.8	98	0.00
71 P	Bromoform	0.281	0.296	-5.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.893	4.164	-7.0	98	0.00
74 T	N-amyl acetate	1.924	1.988	-3.3	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.331	2.4	96	0.00
76 T	1,2,3-Trichloropropane	1.204	1.175	2.4	96	0.00
77 T	Bromobenzene	0.904	0.933	-3.2	97	0.00
78 T	n-propylbenzene	4.526	4.873	-7.7	97	0.00
79 T	2-Chlorotoluene	2.919	2.993	-2.5	97	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.565	-9.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.374	-1.1	94	0.00
82 T	4-Chlorotoluene	3.238	3.446	-6.4	97	0.00
83 T	tert-Butylbenzene	3.276	3.457	-5.5	97	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.510	-6.6	96	0.00
85 T	sec-Butylbenzene	4.022	4.378	-8.9	99	0.00
86 T	p-Isopropyltoluene	3.320	3.616	-8.9	98	0.00
87 T	1,3-Dichlorobenzene	1.649	1.720	-4.3	98	0.00
88 T	1,4-Dichlorobenzene	1.684	1.706	-1.3	97	0.00
89 T	n-Butylbenzene	2.912	3.243	-11.4	100	0.00
90 T	Hexachloroethane	0.585	0.621	-6.2	97	0.00
91 T	1,2-Dichlorobenzene	1.655	1.714	-3.6	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.315	-4.3	94	0.00
93 T	1,2,4-Trichlorobenzene	0.951	1.023	-7.6	101	0.00
94 T	Hexachlorobutadiene	0.415	0.437	-5.3	99	0.00
95 T	Naphthalene	3.487	3.632	-4.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	1.053	-7.3	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	53.283	-6.6	90	0.00
3 P	Chloromethane	50.000	50.541	-1.1	92	0.00
4 C	Vinyl Chloride	50.000	49.713	0.6#	92	0.00
5 T	Bromomethane	50.000	45.307	9.4	85	0.00
6 T	Chloroethane	50.000	49.749	0.5	92	0.00
7 T	Trichlorofluoromethane	50.000	51.323	-2.6	93	0.00
8 T	Diethyl Ether	50.000	48.272	3.5	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.750	-3.5	97	0.00
10 T	Methyl Iodide	50.000	44.495	11.0	79	0.00
11 T	Tert butyl alcohol	250.000	243.032	2.8	94	0.00
12 CM	1,1-Dichloroethene	50.000	49.236	1.5#	93	0.00
13 T	Acrolein	250.000	269.517	-7.8	101	0.00
14 T	Allyl chloride	50.000	51.975	-4.0	95	0.00
15 T	Acrylonitrile	250.000	256.670	-2.7	94	0.00
16 T	Acetone	250.000	258.450	-3.4	102	0.00
17 T	Carbon Disulfide	50.000	46.219	7.6	85	0.00
18 T	Methyl Acetate	50.000	53.934	-7.9	105	0.00
19 T	Methyl tert-butyl Ether	50.000	51.246	-2.5	94	0.00
20 T	Methylene Chloride	50.000	47.382	5.2	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.808	2.4	91	0.00
22 T	Diisopropyl ether	50.000	52.318	-4.6	96	0.00
23 T	Vinyl Acetate	250.000	258.187	-3.3	93	0.00
24 P	1,1-Dichloroethane	50.000	50.957	-1.9	94	0.00
25 T	2-Butanone	250.000	258.137	-3.3	96	0.00
26 T	2,2-Dichloropropane	50.000	50.305	-0.6	96	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.247	-0.5	93	0.00
28 T	Bromochloromethane	50.000	49.140	1.7	95	0.00
29 T	Tetrahydrofuran	250.000	254.336	-1.7	94	0.00
30 C	Chloroform	50.000	51.225	-2.5#	96	0.00
31 T	Cyclohexane	50.000	48.746	2.5	92	0.00
32 T	1,1,1-Trichloroethane	50.000	50.918	-1.8	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.026	1.9	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	52.783	-5.6	99	0.00
36 T	1,1-Dichloropropene	50.000	50.230	-0.5	91	0.00
37 T	Ethyl Acetate	50.000	51.307	-2.6	93	0.00
38 T	Carbon Tetrachloride	50.000	52.266	-4.5	94	0.00
39 T	Methylcyclohexane	50.000	50.942	-1.9	92	0.00
40 TM	Benzene	50.000	51.944	-3.9	93	0.00
41 T	Methacrylonitrile	50.000	57.383	-14.8	96	0.00
42 TM	1,2-Dichloroethane	50.000	52.592	-5.2	95	0.00
43 T	Isopropyl Acetate	50.000	53.783	-7.6	94	0.00
44 TM	Trichloroethene	50.000	51.848	-3.7	92	0.00
45 C	1,2-Dichloropropane	50.000	54.022	-8.0#	95	0.00
46 T	Dibromomethane	50.000	52.464	-4.9	94	0.00
47 T	Bromodichloromethane	50.000	54.051	-8.1	95	0.00
48 T	Methyl methacrylate	50.000	54.678	-9.4	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1075.475	-7.5	97	0.00
50 S	Toluene-d8	50.000	51.889	-3.8	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	269.373	-7.7	95	0.00
52 CM	Toluene	50.000	52.203	-4.4#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	54.688	-9.4	93	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.307	-8.6	94	0.00
55 T	1,1,2-Trichloroethane	50.000	53.633	-7.3	96	0.00
56 T	Ethyl methacrylate	50.000	55.981	-12.0	95	0.00
57 T	1,3-Dichloropropane	50.000	52.398	-4.8	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	288.517	-15.4	97	0.00
59 T	2-Hexanone	250.000	267.919	-7.2	94	0.00
60 T	Dibromochloromethane	50.000	55.684	-11.4	97	0.00
61 T	1,2-Dibromoethane	50.000	52.965	-5.9	94	0.00
62 S	4-Bromofluorobenzene	50.000	53.054	-6.1	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	50.004	-0.0	91	0.00
65 PM	Chlorobenzene	50.000	50.098	-0.2	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.862	-1.7	94	0.00
67 C	Ethyl Benzene	50.000	51.859	-3.7#	95	0.00
68 T	m/p-Xylenes	100.000	104.178	-4.2	95	0.00
69 T	o-Xylene	50.000	52.176	-4.4	95	0.00
70 T	Styrene	50.000	54.916	-9.8	98	0.00
71 P	Bromoform	50.000	52.737	-5.5	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	53.491	-7.0	98	0.00
74 T	N-amyl acetate	50.000	51.677	-3.4	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.778	2.4	96	0.00
76 T	1,2,3-Trichloropropane	50.000	48.805	2.4	96	0.00
77 T	Bromobenzene	50.000	51.627	-3.3	97	0.00
78 T	n-propylbenzene	50.000	53.832	-7.7	97	0.00
79 T	2-Chlorotoluene	50.000	51.259	-2.5	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.804	-9.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.568	-1.1	94	0.00
82 T	4-Chlorotoluene	50.000	53.213	-6.4	97	0.00
83 T	tert-Butylbenzene	50.000	52.762	-5.5	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.296	-6.6	96	0.00
85 T	sec-Butylbenzene	50.000	54.429	-8.9	99	0.00
86 T	p-Isopropyltoluene	50.000	54.457	-8.9	98	0.00
87 T	1,3-Dichlorobenzene	50.000	52.131	-4.3	98	0.00
88 T	1,4-Dichlorobenzene	50.000	50.642	-1.3	97	0.00
89 T	n-Butylbenzene	50.000	55.679	-11.4	100	0.00
90 T	Hexachloroethane	50.000	53.107	-6.2	97	0.00
91 T	1,2-Dichlorobenzene	50.000	51.786	-3.6	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.054	-4.1	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.791	-7.6	101	0.00
94 T	Hexachlorobutadiene	50.000	52.668	-5.3	99	0.00
95 T	Naphthalene	50.000	52.084	-4.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.661	-7.3	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: GENV01

Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018

Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 09:52

Lab File ID: VX046200.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.714	0.1	-3.77	20
Vinyl Chloride	0.691	0.611		-11.58	20
Bromomethane	0.320	0.287		-10.31	20
Chloroethane	0.369	0.363		-1.63	20
Tert butyl alcohol	0.131	0.132		0.76	20
1,1-Dichloroethene	0.593	0.532		-10.29	20
Acetone	0.374	0.380		1.6	20
Carbon Disulfide	1.406	1.195		-15.01	20
Methyl tert-butyl Ether	2.079	2.213		6.45	20
Methylene Chloride	0.716	0.687		-4.05	20
trans-1,2-Dichloroethene	0.596	0.572		-4.03	20
1,1-Dichloroethane	1.219	1.221	0.1	0.16	20
2-Butanone	0.543	0.583		7.37	20
Carbon Tetrachloride	0.544	0.510		-6.25	20
cis-1,2-Dichloroethene	0.718	0.727		1.25	20
Chloroform	1.271	1.299		2.2	20
1,1,1-Trichloroethane	1.101	1.079		-2	20
Benzene	1.417	1.399		-1.27	20
1,2-Dichloroethane	0.612	0.634		3.6	20
Trichloroethene	0.341	0.328		-3.81	20
1,2-Dichloropropane	0.352	0.371		5.4	20
Bromodichloromethane	0.547	0.585		6.95	20
4-Methyl-2-Pentanone	0.605	0.671		10.91	20
Toluene	0.869	0.871		0.23	20
t-1,3-Dichloropropene	0.487	0.535		9.86	20
cis-1,3-Dichloropropene	0.538	0.583		8.36	20
1,1,2-Trichloroethane	0.343	0.367		7	20
2-Hexanone	0.448	0.501		11.83	20
Dibromochloromethane	0.376	0.418		11.17	20
Tetrachloroethene	0.354	0.326		-7.91	20
Chlorobenzene	1.094	1.065	0.3	-2.65	20
Ethyl Benzene	1.929	1.871		-3.01	20
m/p-Xylenes	0.706	0.693		-1.84	20
o-Xylene	0.688	0.686		-0.29	20
Styrene	1.127	1.188		5.41	20
Bromoform	0.281	0.301	0.1	7.12	20
1,1,2,2-Tetrachloroethane	1.364	1.329	0.3	-2.57	20
1,2-Dichloroethane-d4	0.932	0.941		0.97	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: GENV01
Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018
Instrument ID: MSVOA_X Calibration Date/Time: 05/15/2025 09:52
Lab File ID: VX046200.D Init. Calib. Date(s): 05/05/2025 05/05/2025
Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.360	0.366		1.67	20
Toluene-d8	1.246	1.215		-2.49	20
4-Bromofluorobenzene	0.478	0.492		2.93	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_X\Data\VX051525\
 Data File : VX046200.D
 Acq On : 15 May 2025 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
 Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 00:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	79845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	140483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75112	50.459	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	5.379	113	51380	50.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.641	98	170717	48.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	11.079	95	69053	51.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56833	46.505	ug/l	98
3) Chloromethane	1.307	50	57048	48.137	ug/l	99
4) Vinyl Chloride	1.374	62	48804	44.248	ug/l	99
5) Bromomethane	1.593	94	22954	44.869	ug/l	93
6) Chloroethane	1.666	64	28967	49.195	ug/l	98
7) Trichlorofluoromethane	1.874	101	76531	46.949	ug/l	96
8) Diethyl Ether	2.130	74	28515	51.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	46263	45.860	ug/l	98
10) Methyl Iodide	2.441	142	55957	46.879	ug/l	100
11) Tert butyl alcohol	2.977	59	52732	252.367	ug/l	100
12) 1,1-Dichloroethene	2.306	96	42457	44.844	ug/l	97
13) Acrolein	2.233	56	86478	363.413	ug/l	100
14) Allyl chloride	2.654	41	92771	51.271	ug/l	96
15) Acrylonitrile	3.062	53	159896	267.618	ug/l	98
16) Acetone	2.380	43	151558	253.932	ug/l	100
17) Carbon Disulfide	2.502	76	95435	42.518	ug/l	100
18) Methyl Acetate	2.703	43	79721	57.561	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	176719	53.240	ug/l	100
20) Methylene Chloride	2.782	84	54884	47.986	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	45649	47.945	ug/l	99
22) Diisopropyl ether	3.757	45	186066	53.235	ug/l	96
23) Vinyl Acetate	3.715	43	832901	270.938	ug/l	100
24) 1,1-Dichloroethane	3.605	63	97500	50.084	ug/l	98
25) 2-Butanone	4.550	43	232783	268.650	ug/l	100
26) 2,2-Dichloropropane	4.465	77	73154	48.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	58063	50.657	ug/l	99
28) Bromochloromethane	4.891	49	48182	51.418	ug/l	99
29) Tetrahydrofuran	4.995	42	146017	268.925	ug/l	99
30) Chloroform	5.086	83	103726	51.119	ug/l	96
31) Cyclohexane	5.458	56	78834	44.439	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	86131	48.968	ug/l	99
36) 1,1-Dichloropropene	5.684	75	63999	47.085	ug/l	99
37) Ethyl Acetate	4.708	43	86942	51.772	ug/l	99
38) Carbon Tetrachloride	5.666	117	71651	46.917	ug/l	99
39) Methylcyclohexane	7.373	83	78483	44.850	ug/l	99
40) Benzene	6.025	78	196502	49.356	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046200.D
 Acq On : 15 May 2025 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
 Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 00:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49819	56.711	ug/l	98
42) 1,2-Dichloroethane	6.080	62	89054	51.827	ug/l	99
43) Isopropyl Acetate	6.336	43	138141	53.921	ug/l	100
44) Trichloroethene	7.117	130	46123	48.134	ug/l	99
45) 1,2-Dichloropropane	7.421	63	52081	52.609	ug/l	100
46) Dibromomethane	7.574	93	40833	52.296	ug/l	99
47) Bromodichloromethane	7.818	83	82190	53.445	ug/l	96
48) Methyl methacrylate	7.690	41	71677	54.783	ug/l	100
49) 1,4-Dioxane	7.659	88	26335	1060.072	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	471283	277.135	ug/l	99
52) Toluene	8.714	92	122389	50.134	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	75119	54.955	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	81846	54.175	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	51510	53.511	ug/l	97
56) Ethyl methacrylate	9.110	69	86310	56.258	ug/l	99
57) 1,3-Dichloropropane	9.305	76	90587	52.400	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	213841	273.403	ug/l	99
59) 2-Hexanone	9.427	43	351840	279.654	ug/l	100
60) Dibromochloromethane	9.519	129	58754	55.578	ug/l	99
61) 1,2-Dibromoethane	9.604	107	53563	53.537	ug/l	97
64) Tetrachloroethene	9.269	164	41562	46.025	ug/l	98
65) Chlorobenzene	10.073	112	135968	48.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	50.472	ug/l	100
67) Ethyl Benzene	10.189	91	238829	48.501	ug/l	99
68) m/p-Xylenes	10.299	106	176993	98.275	ug/l	97
69) o-Xylene	10.640	106	87589	49.886	ug/l	98
70) Styrene	10.653	104	151684	52.738	ug/l	99
71) Bromoform	10.799	173	38476	53.725	ug/l #	96
73) Isopropylbenzene	10.957	105	230998	47.190	ug/l	100
74) N-amyl acetate	10.841	43	122108	50.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	83590	48.729	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	74157m	48.998	ug/l	
77) Bromobenzene	11.195	156	55464	48.804	ug/l	98
78) n-propylbenzene	11.299	91	269850	47.411	ug/l	99
79) 2-Chlorotoluene	11.360	91	171147	46.619	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	199182	48.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22862	49.180	ug/l	98
82) 4-Chlorotoluene	11.451	91	199920	49.106	ug/l	99
83) tert-Butylbenzene	11.713	119	196965	47.815	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	204684	49.424	ug/l	99
85) sec-Butylbenzene	11.890	105	243197	48.084	ug/l	99
86) p-Isopropyltoluene	12.006	119	202544	48.515	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	102510	49.424	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	102366	48.327	ug/l	100
89) n-Butylbenzene	12.329	91	180561	49.306	ug/l	99
90) Hexachloroethane	12.536	117	35781	48.648	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	104120	50.026	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20011	52.658	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	60954	50.990	ug/l	97
94) Hexachlorobutadiene	13.719	225	24369	46.676	ug/l	98
95) Naphthalene	13.774	128	219899	50.155	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63516	51.494	ug/l	97

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 00:58:01 2025
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

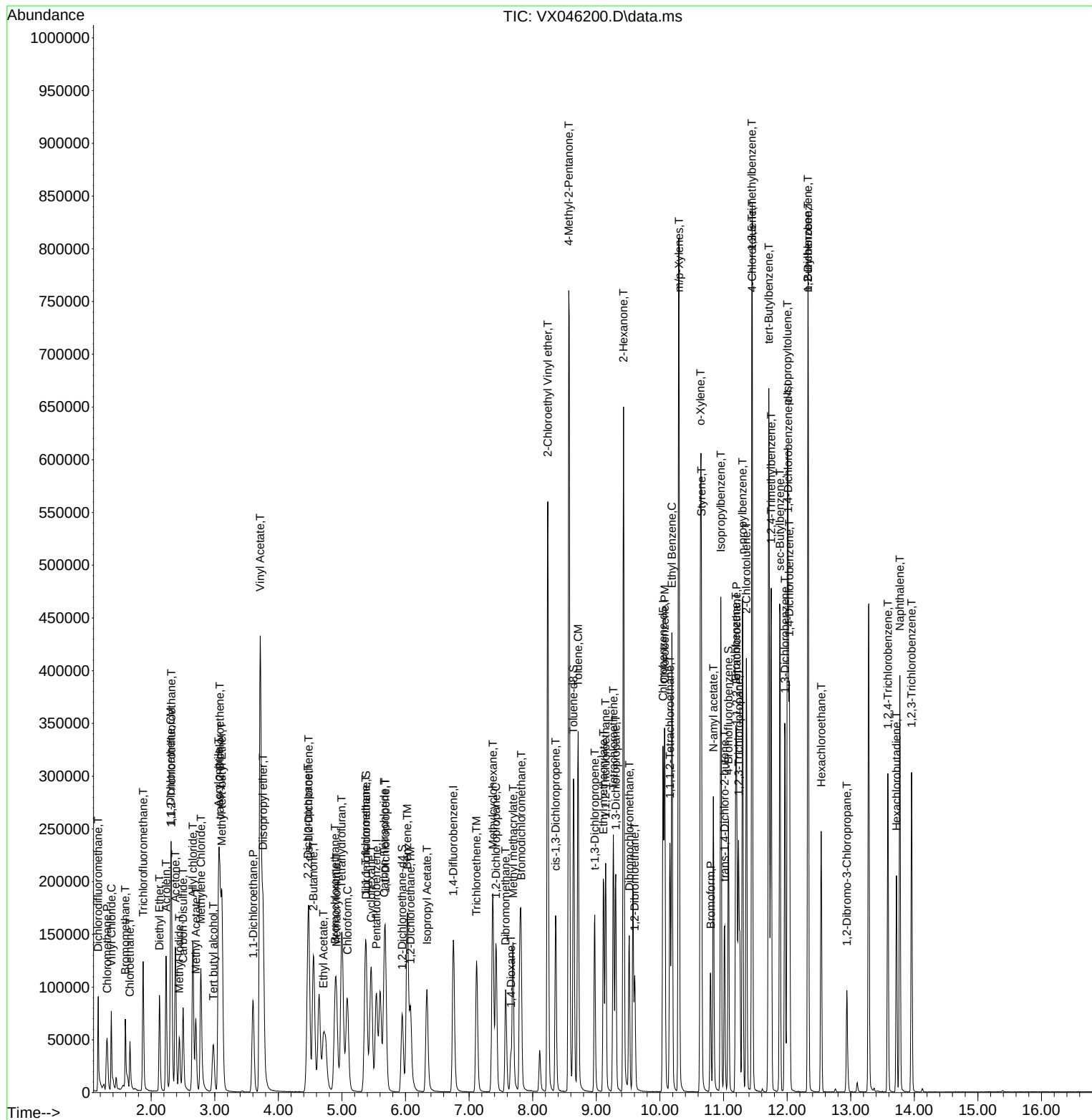
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 Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	0.765	0.712	6.9	68	0.00
3 P	Chloromethane	0.742	0.714	3.8	76	0.00
4 C	Vinyl Chloride	0.691	0.611	11.6#	71	0.00
5 T	Bromomethane	0.320	0.287	10.3	73	0.00
6 T	Chloroethane	0.369	0.363	1.6	79	0.00
7 T	Trichlorofluoromethane	1.021	0.958	6.2	74	0.00
8 T	Diethyl Ether	0.347	0.357	-2.9	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.579	8.4	74	0.00
10 T	Methyl Iodide	0.747	0.701	6.2	71	0.00
11 T	Tert butyl alcohol	0.131	0.132	-0.8	84	0.00
12 CM	1,1-Dichloroethene	0.593	0.532	10.3#	73	0.00
13 T	Acrolein	0.149	0.217	-45.6#	117	0.00
14 T	Allyl chloride	1.133	1.162	-2.6	81	0.00
15 T	Acrylonitrile	0.374	0.401	-7.2	85	0.00
16 T	Acetone	0.374	0.380	-1.6	86	0.00
17 T	Carbon Disulfide	1.406	1.195	15.0	68	0.00
18 T	Methyl Acetate	0.867	0.998	-15.1	97	0.00
19 T	Methyl tert-butyl Ether	2.079	2.213	-6.4	84	0.00
20 T	Methylene Chloride	0.716	0.687	4.1	83	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.572	4.0	77	0.00
22 T	Diisopropyl ether	2.189	2.330	-6.4	84	0.00
23 T	Vinyl Acetate	1.925	2.086	-8.4	84	0.00
24 P	1,1-Dichloroethane	1.219	1.221	-0.2	80	0.00
25 T	2-Butanone	0.543	0.583	-7.4	86	0.00
26 T	2,2-Dichloropropane	0.954	0.916	4.0	79	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.727	-1.3	81	0.00
28 T	Bromochloromethane	0.587	0.603	-2.7	86	0.00
29 T	Tetrahydrofuran	0.340	0.366	-7.6	86	0.00
30 C	Chloroform	1.271	1.299	-2.2#	82	0.00
31 T	Cyclohexane	1.111	0.987	11.2	72	0.00
32 T	1,1,1-Trichloroethane	1.101	1.079	2.0	78	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.941	-1.0	85	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.360	0.366	-1.7	86	0.00
36 T	1,1-Dichloropropene	0.484	0.456	5.8	77	0.00
37 T	Ethyl Acetate	0.598	0.619	-3.5	85	0.00
38 T	Carbon Tetrachloride	0.544	0.510	6.3	76	0.00
39 T	Methylcyclohexane	0.623	0.559	10.3	73	0.00
40 TM	Benzene	1.417	1.399	1.3	79	0.00
41 T	Methacrylonitrile	0.313	0.355	-13.4	86	0.00
42 TM	1,2-Dichloroethane	0.612	0.634	-3.6	85	0.00
43 T	Isopropyl Acetate	0.912	0.983	-7.8	85	0.00
44 TM	Trichloroethene	0.341	0.328	3.8	77	0.00
45 C	1,2-Dichloropropane	0.352	0.371	-5.4#	83	0.00
46 T	Dibromomethane	0.278	0.291	-4.7	85	0.00
47 T	Bromodichloromethane	0.547	0.585	-6.9	85	0.00
48 T	Methyl methacrylate	0.466	0.510	-9.4	85	0.00

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 Quant Title : SW846 8260
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 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	0.009	0.009	0.0	86	0.00
50 S	Toluene-d8	1.246	1.215	2.5	83	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.671	-10.9	89	0.00
52 CM	Toluene	0.869	0.871	-0.2#	81	0.00
53 T	t-1,3-Dichloropropene	0.487	0.535	-9.9	85	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.583	-8.4	84	0.00
55 T	1,1,2-Trichloroethane	0.343	0.367	-7.0	87	0.00
56 T	Ethyl methacrylate	0.546	0.614	-12.5	86	0.00
57 T	1,3-Dichloropropane	0.615	0.645	-4.9	87	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.304	-9.4	83	0.00
59 T	2-Hexanone	0.448	0.501	-11.8	89	0.00
60 T	Dibromochloromethane	0.376	0.418	-11.2	87	0.00
61 T	1,2-Dibromoethane	0.356	0.381	-7.0	86	0.00
62 S	4-Bromofluorobenzene	0.478	0.492	-2.9	87	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64 T	Tetrachloroethene	0.354	0.326	7.9	76	0.00
65 PM	Chlorobenzene	1.094	1.065	2.7	85	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.377	-0.8	84	0.00
67 C	Ethyl Benzene	1.929	1.871	3.0#	81	0.00
68 T	m/p-Xylenes	0.706	0.693	1.8	82	0.00
69 T	o-Xylene	0.688	0.686	0.3	82	0.00
70 T	Styrene	1.127	1.188	-5.4	85	0.00
71 P	Bromoform	0.281	0.301	-7.1	86	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73 T	Isopropylbenzene	3.893	3.674	5.6	82	0.00
74 T	N-amyl acetate	1.924	1.942	-0.9	87	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.329	2.6	92	0.00
76 T	1,2,3-Trichloropropane	1.204	1.179	2.1	92	0.00
77 T	Bromobenzene	0.904	0.882	2.4	88	0.00
78 T	n-propylbenzene	4.526	4.292	5.2	82	0.00
79 T	2-Chlorotoluene	2.919	2.722	6.7	84	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.168	2.6	84	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	87	0.00
82 T	4-Chlorotoluene	3.238	3.180	1.8	86	0.00
83 T	tert-Butylbenzene	3.276	3.133	4.4	84	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.255	1.2	85	0.00
85 T	sec-Butylbenzene	4.022	3.868	3.8	84	0.00
86 T	p-Isopropyltoluene	3.320	3.221	3.0	84	0.00
87 T	1,3-Dichlorobenzene	1.649	1.630	1.2	89	0.00
88 T	1,4-Dichlorobenzene	1.684	1.628	3.3	89	0.00
89 T	n-Butylbenzene	2.912	2.872	1.4	84	0.00
90 T	Hexachloroethane	0.585	0.569	2.7	85	0.00
91 T	1,2-Dichlorobenzene	1.655	1.656	-0.1	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.318	-5.3	91	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.969	-1.9	91	0.00
94 T	Hexachlorobutadiene	0.415	0.388	6.5	84	0.00
95 T	Naphthalene	3.487	3.497	-0.3	90	0.00

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VSTDCCC050

Quant Time: May 16 00:58:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	1.010	-3.0	92	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046200.D
 Acq On : 15 May 2025 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 16 00:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	50.000	46.505	7.0	68	0.00
3 P	Chloromethane	50.000	48.137	3.7	76	0.00
4 C	Vinyl Chloride	50.000	44.248	11.5#	71	0.00
5 T	Bromomethane	50.000	44.869	10.3	73	0.00
6 T	Chloroethane	50.000	49.195	1.6	79	0.00
7 T	Trichlorofluoromethane	50.000	46.949	6.1	74	0.00
8 T	Diethyl Ether	50.000	51.386	-2.8	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.860	8.3	74	0.00
10 T	Methyl Iodide	50.000	46.879	6.2	71	0.00
11 T	Tert butyl alcohol	250.000	252.367	-0.9	84	0.00
12 CM	1,1-Dichloroethene	50.000	44.844	10.3#	73	0.00
13 T	Acrolein	250.000	363.413	-45.4#	117	0.00
14 T	Allyl chloride	50.000	51.271	-2.5	81	0.00
15 T	Acrylonitrile	250.000	267.618	-7.0	85	0.00
16 T	Acetone	250.000	253.932	-1.6	86	0.00
17 T	Carbon Disulfide	50.000	42.518	15.0	68	0.00
18 T	Methyl Acetate	50.000	57.561	-15.1	97	0.00
19 T	Methyl tert-butyl Ether	50.000	53.240	-6.5	84	0.00
20 T	Methylene Chloride	50.000	47.986	4.0	83	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.945	4.1	77	0.00
22 T	Diisopropyl ether	50.000	53.235	-6.5	84	0.00
23 T	Vinyl Acetate	250.000	270.938	-8.4	84	0.00
24 P	1,1-Dichloroethane	50.000	50.084	-0.2	80	0.00
25 T	2-Butanone	250.000	268.650	-7.5	86	0.00
26 T	2,2-Dichloropropane	50.000	48.010	4.0	79	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.657	-1.3	81	0.00
28 T	Bromochloromethane	50.000	51.418	-2.8	86	0.00
29 T	Tetrahydrofuran	250.000	268.925	-7.6	86	0.00
30 C	Chloroform	50.000	51.119	-2.2#	82	0.00
31 T	Cyclohexane	50.000	44.439	11.1	72	0.00
32 T	1,1,1-Trichloroethane	50.000	48.968	2.1	78	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.459	-0.9	85	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	50.790	-1.6	86	0.00
36 T	1,1-Dichloropropene	50.000	47.085	5.8	77	0.00
37 T	Ethyl Acetate	50.000	51.772	-3.5	85	0.00
38 T	Carbon Tetrachloride	50.000	46.917	6.2	76	0.00
39 T	Methylcyclohexane	50.000	44.850	10.3	73	0.00
40 TM	Benzene	50.000	49.356	1.3	79	0.00
41 T	Methacrylonitrile	50.000	56.711	-13.4	86	0.00
42 TM	1,2-Dichloroethane	50.000	51.827	-3.7	85	0.00
43 T	Isopropyl Acetate	50.000	53.921	-7.8	85	0.00
44 TM	Trichloroethene	50.000	48.134	3.7	77	0.00
45 C	1,2-Dichloropropane	50.000	52.609	-5.2#	83	0.00
46 T	Dibromomethane	50.000	52.296	-4.6	85	0.00
47 T	Bromodichloromethane	50.000	53.445	-6.9	85	0.00
48 T	Methyl methacrylate	50.000	54.783	-9.6	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046200.D
 Acq On : 15 May 2025 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 16 00:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1060.072	-6.0	86	0.00
50 S	Toluene-d8	50.000	48.757	2.5	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	277.135	-10.9	89	0.00
52 CM	Toluene	50.000	50.134	-0.3#	81	0.00
53 T	t-1,3-Dichloropropene	50.000	54.955	-9.9	85	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.175	-8.3	84	0.00
55 T	1,1,2-Trichloroethane	50.000	53.511	-7.0	87	0.00
56 T	Ethyl methacrylate	50.000	56.258	-12.5	86	0.00
57 T	1,3-Dichloropropane	50.000	52.400	-4.8	87	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.403	-9.4	83	0.00
59 T	2-Hexanone	250.000	279.654	-11.9	89	0.00
60 T	Dibromochloromethane	50.000	55.578	-11.2	87	0.00
61 T	1,2-Dibromoethane	50.000	53.537	-7.1	86	0.00
62 S	4-Bromofluorobenzene	50.000	51.414	-2.8	87	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64 T	Tetrachloroethene	50.000	46.025	8.0	76	0.00
65 PM	Chlorobenzene	50.000	48.673	2.7	85	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.472	-0.9	84	0.00
67 C	Ethyl Benzene	50.000	48.501	3.0#	81	0.00
68 T	m/p-Xylenes	100.000	98.275	1.7	82	0.00
69 T	o-Xylene	50.000	49.886	0.2	82	0.00
70 T	Styrene	50.000	52.738	-5.5	85	0.00
71 P	Bromoform	50.000	53.725	-7.5	86	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73 T	Isopropylbenzene	50.000	47.190	5.6	82	0.00
74 T	N-amyl acetate	50.000	50.481	-1.0	87	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.729	2.5	92	0.00
76 T	1,2,3-Trichloropropane	50.000	48.998	2.0	92	0.00
77 T	Bromobenzene	50.000	48.804	2.4	88	0.00
78 T	n-propylbenzene	50.000	47.411	5.2	82	0.00
79 T	2-Chlorotoluene	50.000	46.619	6.8	84	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.706	2.6	84	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.180	1.6	87	0.00
82 T	4-Chlorotoluene	50.000	49.106	1.8	86	0.00
83 T	tert-Butylbenzene	50.000	47.815	4.4	84	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.424	1.2	85	0.00
85 T	sec-Butylbenzene	50.000	48.084	3.8	84	0.00
86 T	p-Isopropyltoluene	50.000	48.515	3.0	84	0.00
87 T	1,3-Dichlorobenzene	50.000	49.424	1.2	89	0.00
88 T	1,4-Dichlorobenzene	50.000	48.327	3.3	89	0.00
89 T	n-Butylbenzene	50.000	49.306	1.4	84	0.00
90 T	Hexachloroethane	50.000	48.648	2.7	85	0.00
91 T	1,2-Dichlorobenzene	50.000	50.026	-0.1	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.658	-5.3	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.990	-2.0	91	0.00
94 T	Hexachlorobutadiene	50.000	46.676	6.6	84	0.00
95 T	Naphthalene	50.000	50.155	-0.3	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046200.D
Acq On : 15 May 2025 09:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 16 00:58:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.494	-3.0	92	0.00

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



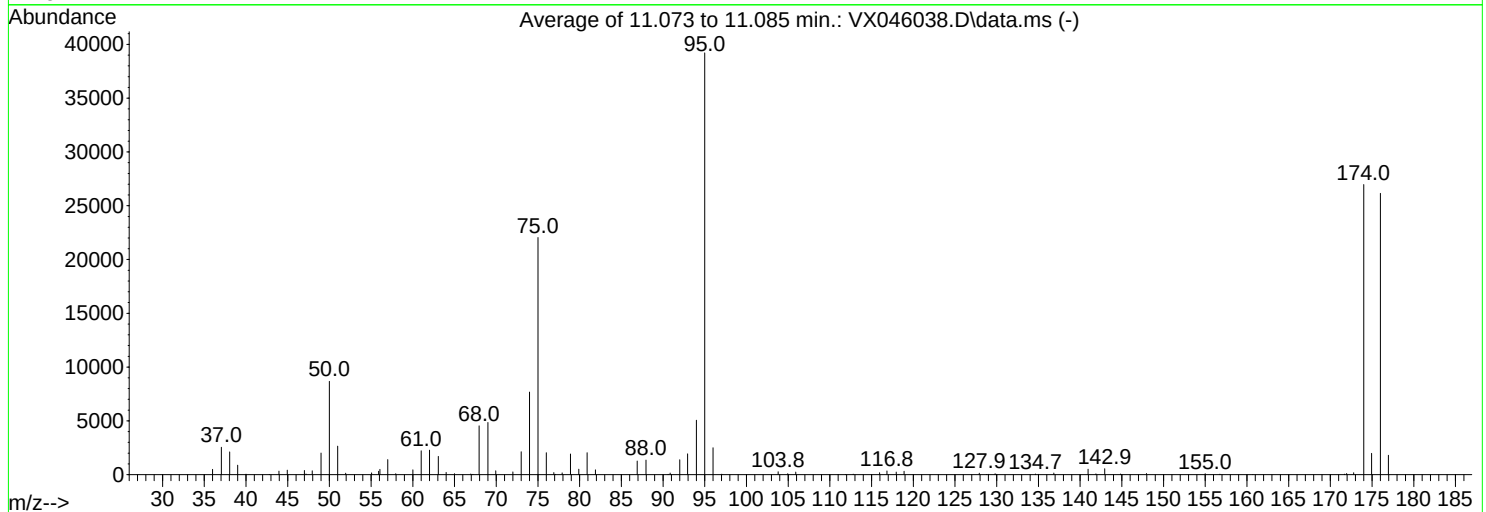
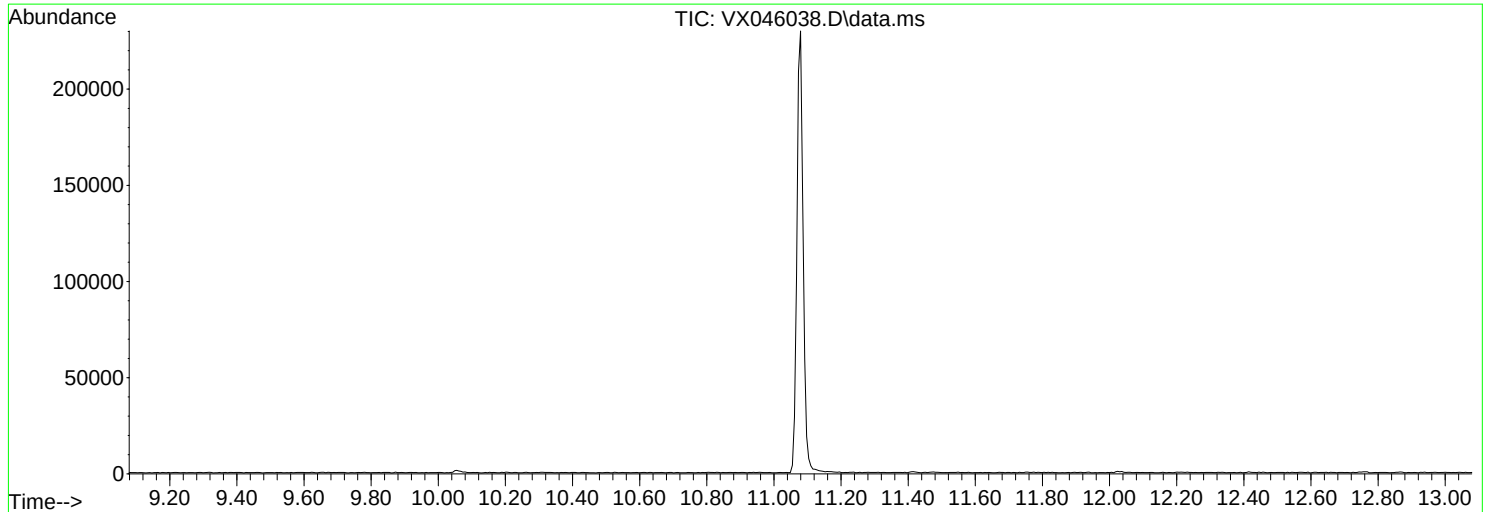
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

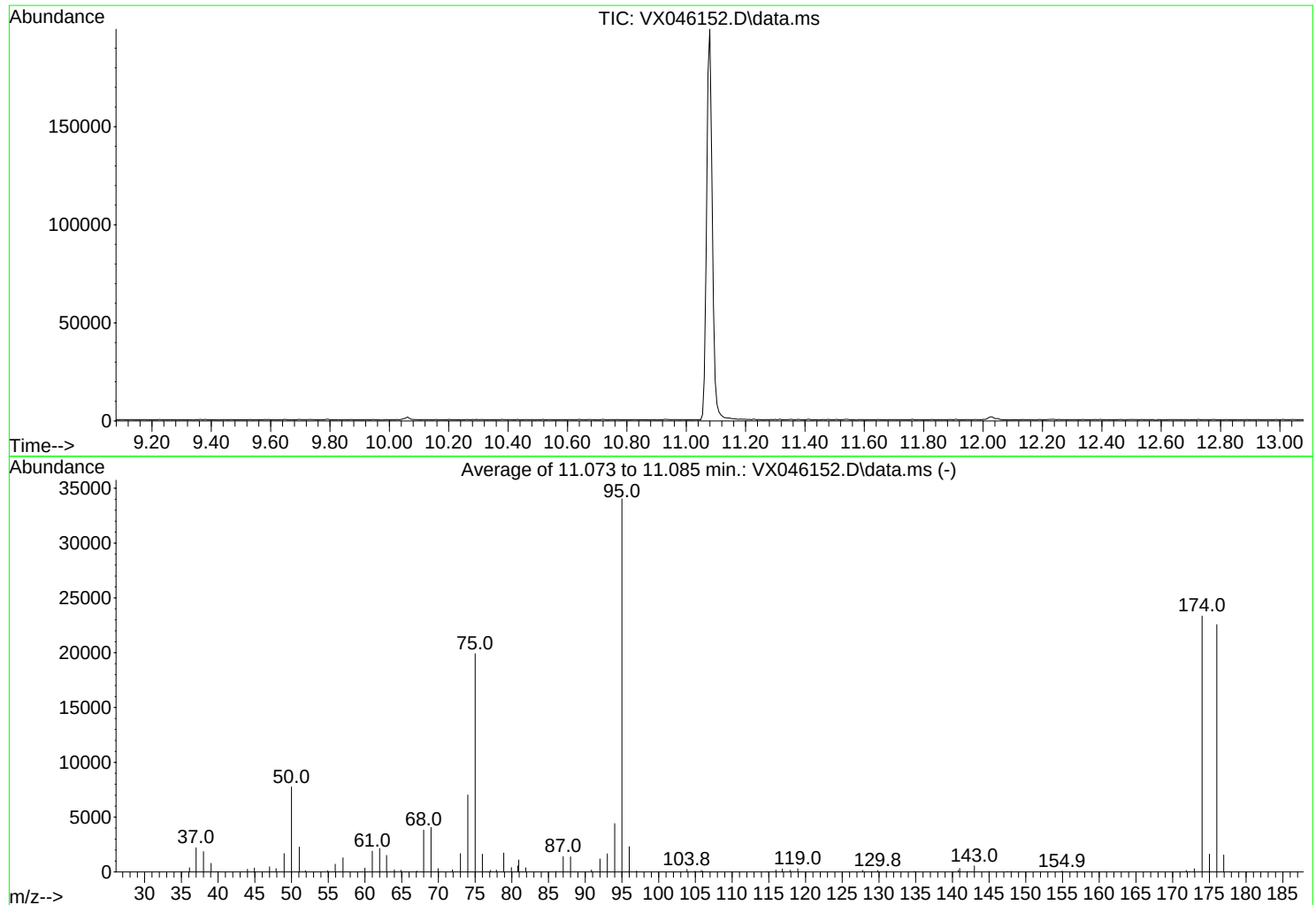
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046152.D
Acq On : 13 May 2025 09:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

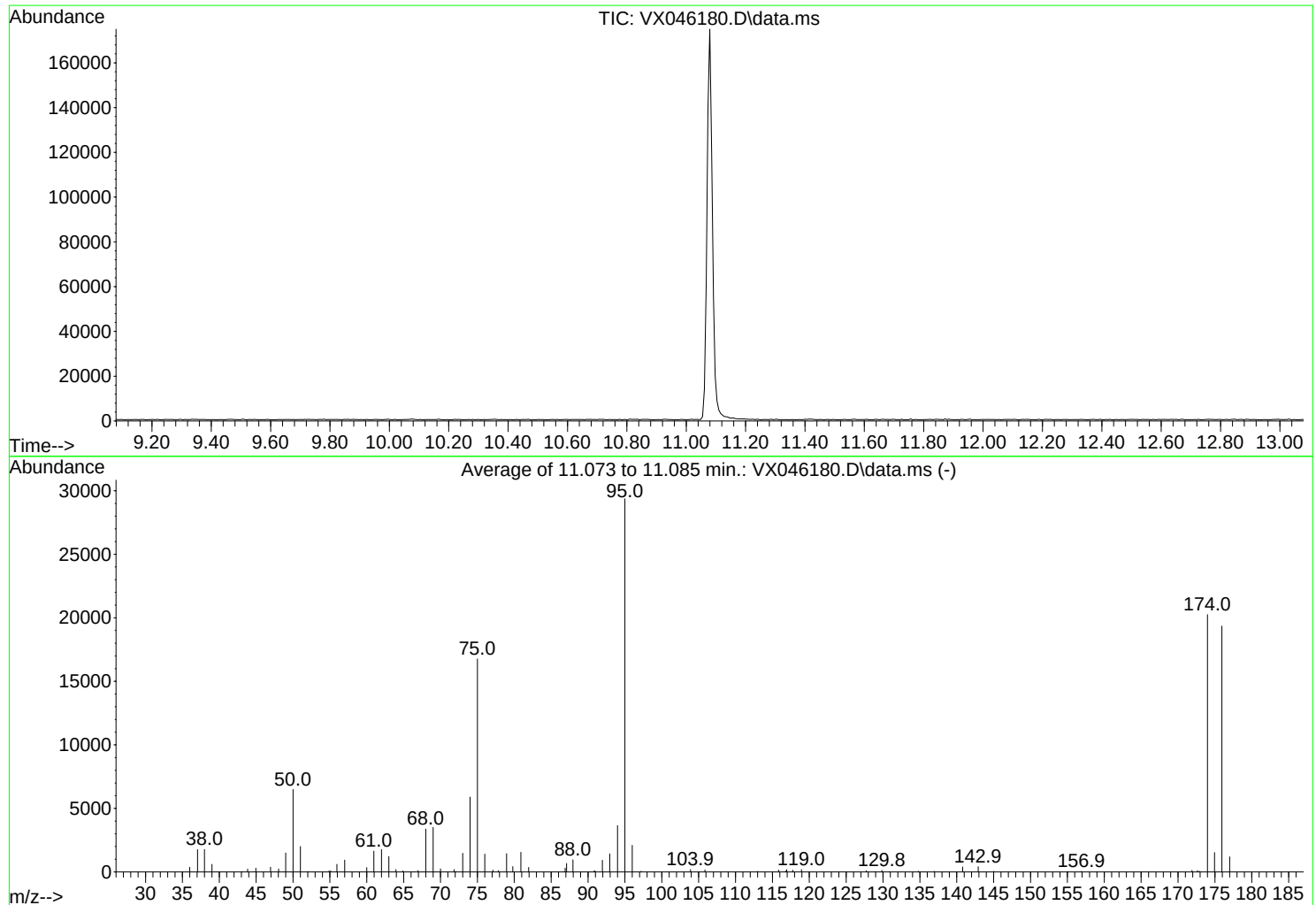
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	7764	PASS
75	95	30	60	58.5	19919	PASS
95	95	100	100	100.0	34040	PASS
96	95	5	9	6.8	2313	PASS
173	174	0.00	2	1.3	300	PASS
174	95	50	100	68.6	23352	PASS
175	174	5	9	7.0	1623	PASS
176	174	95	101	96.7	22576	PASS
177	176	5	9	6.9	1554	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046180.D
Acq On : 14 May 2025 09:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

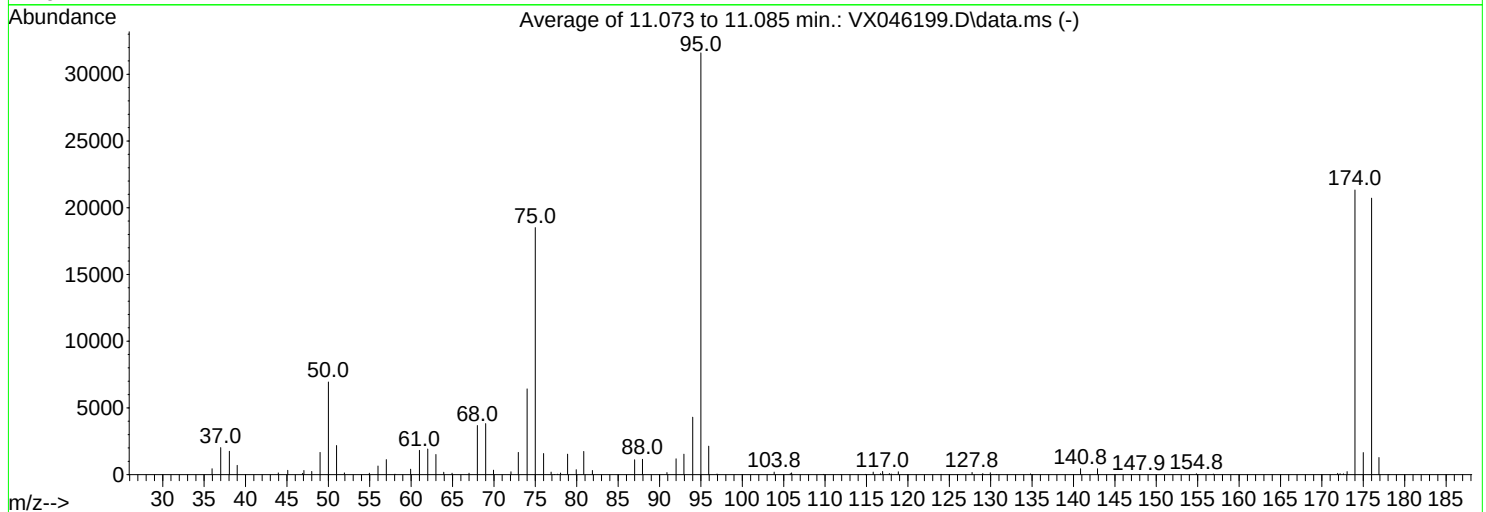
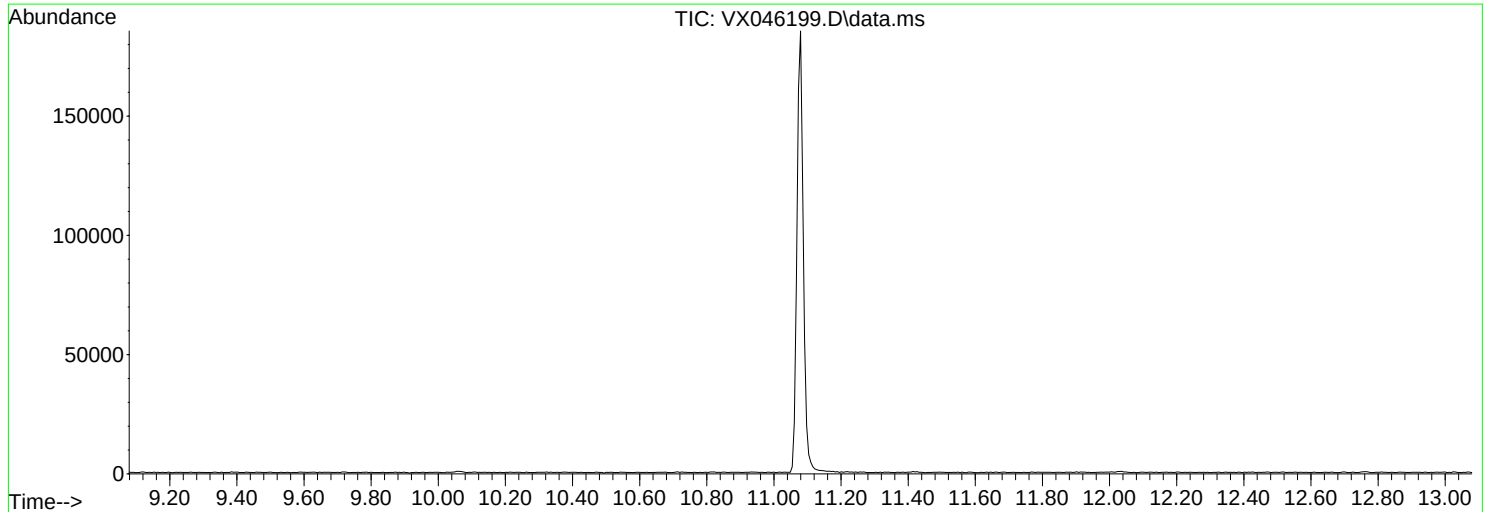
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	6493	PASS
75	95	30	60	57.1	16768	PASS
95	95	100	100	100.0	29365	PASS
96	95	5	9	7.1	2092	PASS
173	174	0.00	2	0.3	55	PASS
174	95	50	100	69.0	20256	PASS
175	174	5	9	7.5	1526	PASS
176	174	95	101	95.5	19353	PASS
177	176	5	9	6.2	1196	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046199.D
Acq On : 15 May 2025 08:47
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	6937	PASS
75	95	30	60	58.6	18511	PASS
95	95	100	100	100.0	31605	PASS
96	95	5	9	6.8	2134	PASS
173	174	0.00	2	1.1	225	PASS
174	95	50	100	67.5	21323	PASS
175	174	5	9	7.8	1660	PASS
176	174	95	101	97.2	20720	PASS
177	176	5	9	6.2	1278	PASS

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Hillside		Date Received:	
Client Sample ID:	VX0513WBL01		SDG No.:	Q2018
Lab Sample ID:	VX0513WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046155.D	1		05/13/25 10:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VX0513WBL01	SDG No.:	Q2018
Lab Sample ID:	VX0513WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046155.D	1		05/13/25 10:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67300	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52700	12.018			

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_X\Data\VX051325\
 Data File : VX046155.D
 Acq On : 13 May 2025 10:52
 Operator : JC/MD
 Sample : VX0513WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL01

Quant Time: May 14 01:35:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	67277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52712	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67481	53.801	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.600%
35) Dibromofluoromethane	5.379	113	49414	51.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.920%
50) Toluene-d8	8.647	98	167575	50.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	11.079	95	63997	50.200	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.400%

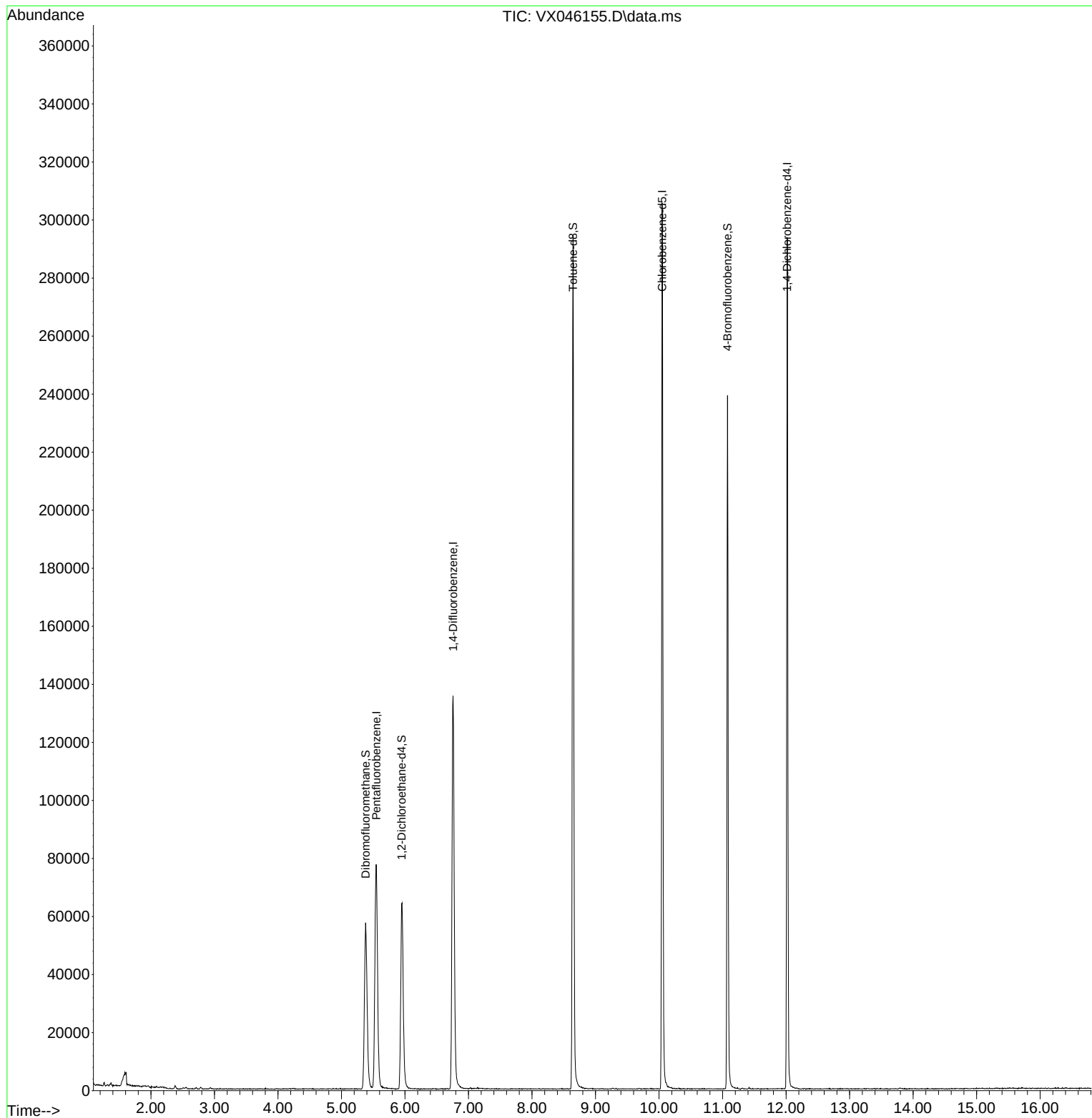
Target Compounds	Qvalue

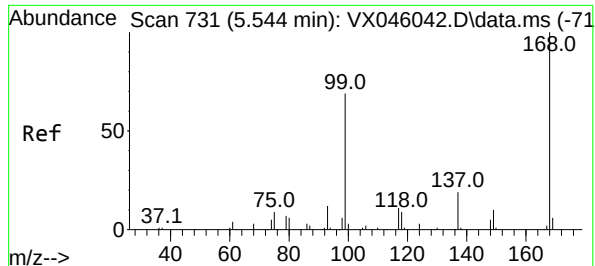
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Quant Time: May 14 01:35:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

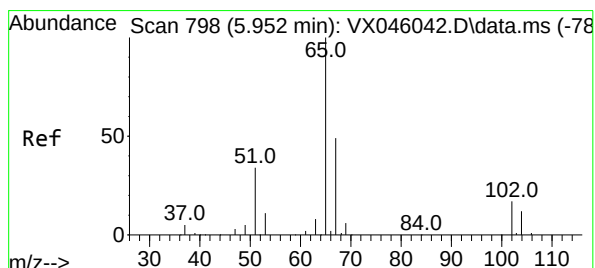
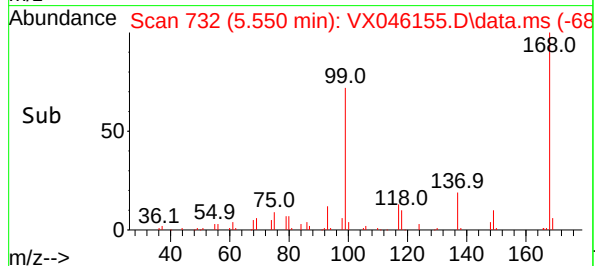
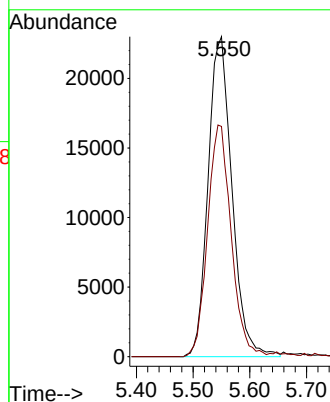
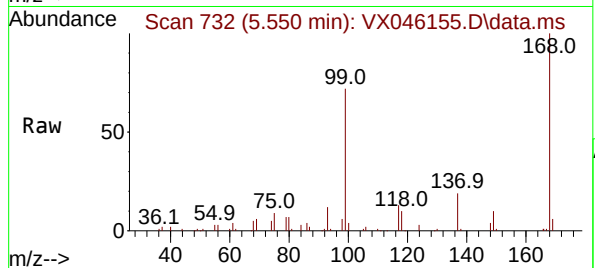




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

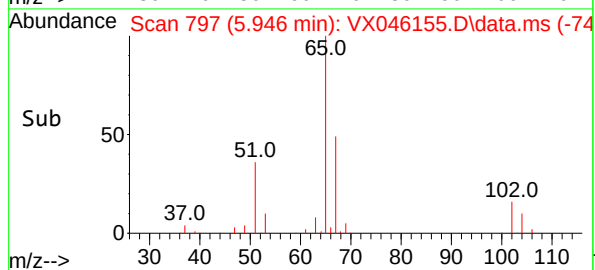
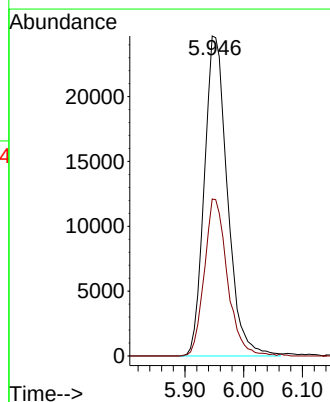
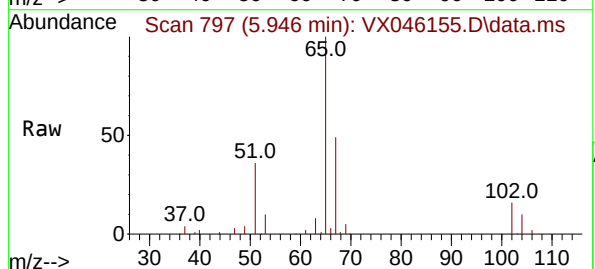
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

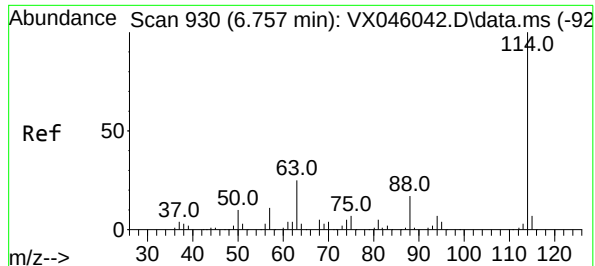
Tgt Ion:168 Resp: 67277
Ion Ratio Lower Upper
168 100
99 72.0 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.801 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

Tgt Ion: 65 Resp: 67481
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

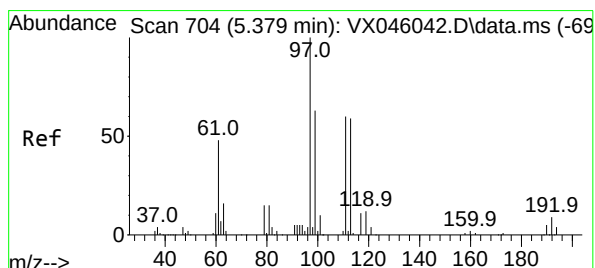
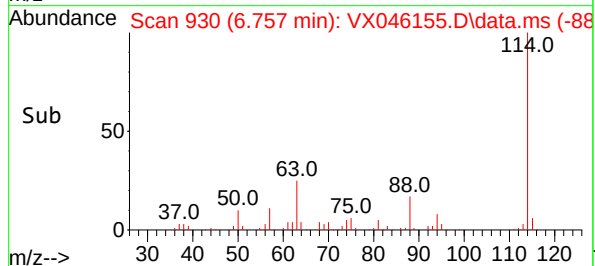
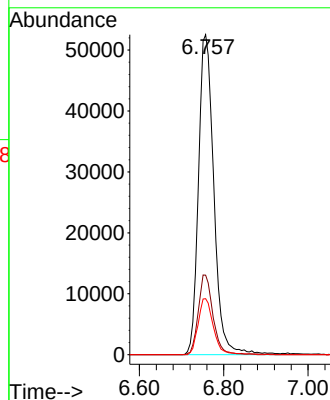
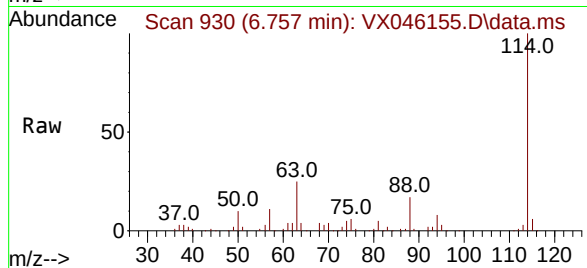
Tgt Ion:114 Resp: 133345

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 17.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

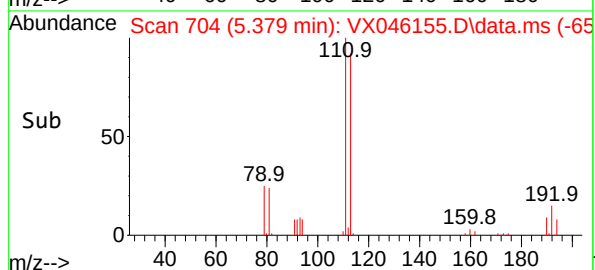
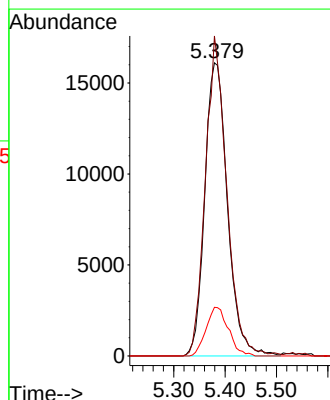
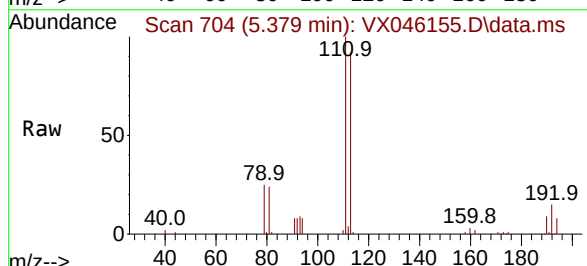
Tgt Ion:113 Resp: 49414

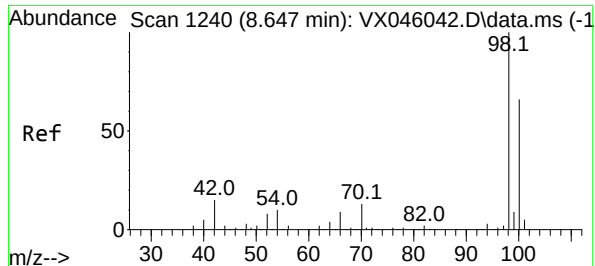
Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 16.3 13.3 19.9

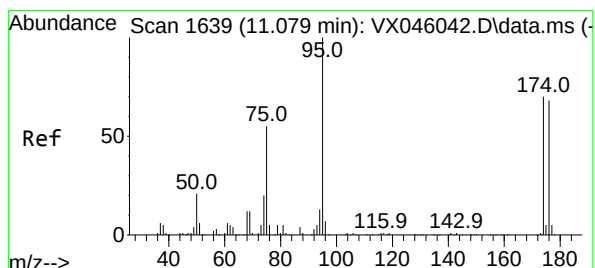
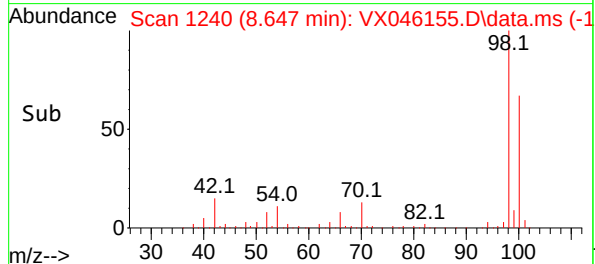
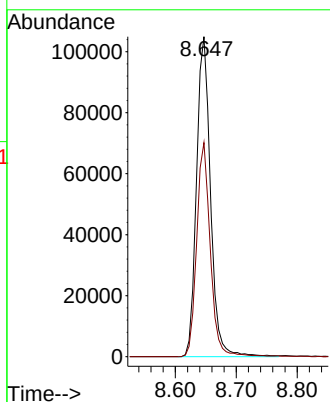
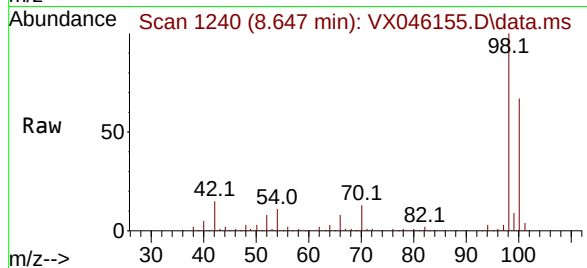




#50
Toluene-d8
Concen: 50.422 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

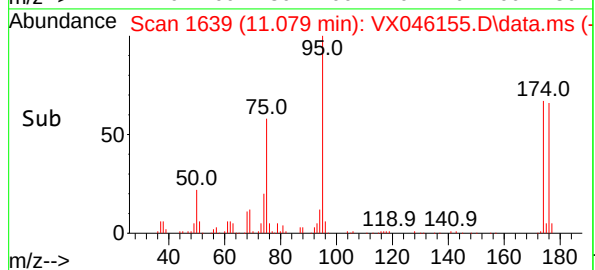
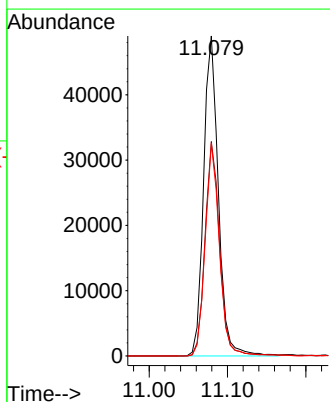
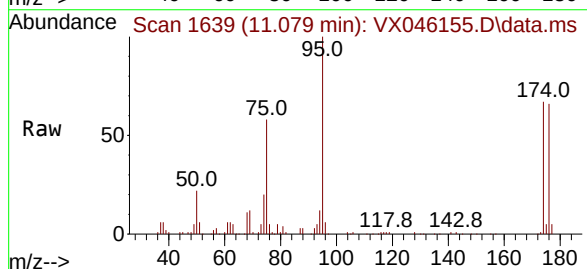
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

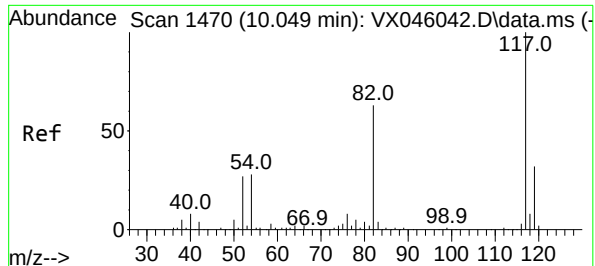
Tgt Ion: 98 Resp: 167575
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

Tgt Ion: 95 Resp: 63997
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.1 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

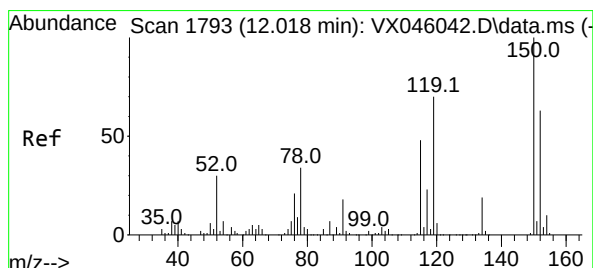
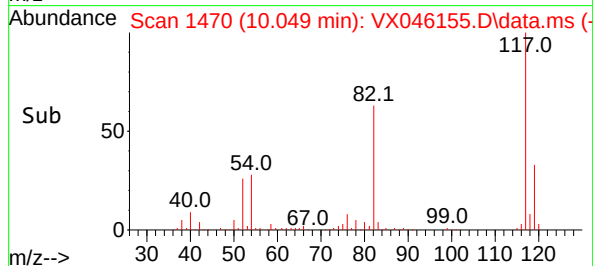
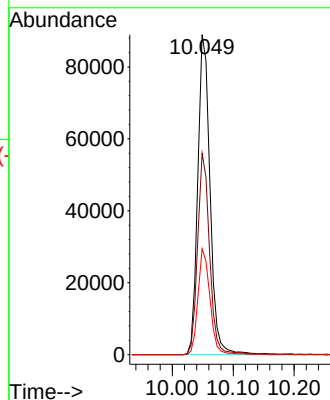
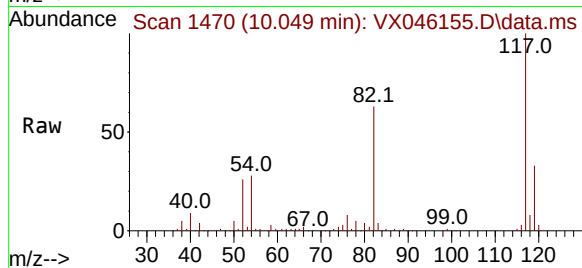
Tgt Ion:117 Resp: 124650

Ion Ratio Lower Upper

117 100

82 62.9 50.6 76.0

119 33.1 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

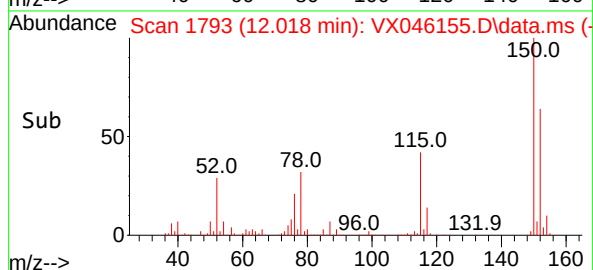
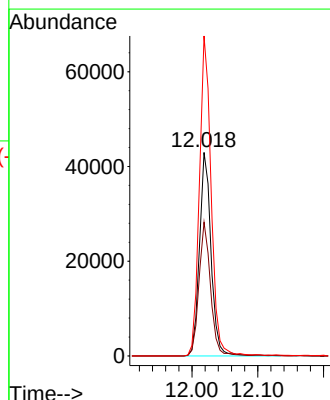
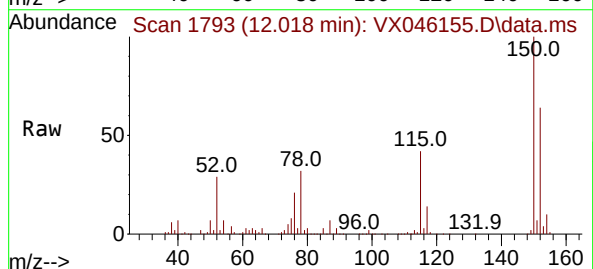
Tgt Ion:152 Resp: 52712

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 158.4 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

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_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046155.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	69	82	83	rBV6	4658	11894	2.55%	0.482%
2	5.379	693	704	720	rBV	57358	168547	36.10%	6.825%
3	5.544	721	731	745	rVV	76846	222927	47.75%	9.026%
4	5.952	789	798	815	rBV	64003	174536	37.39%	7.067%
5	6.757	921	930	953	rBV	135353	337394	72.27%	13.661%
6	8.647	1233	1240	1256	rBV	294296	466855	100.00%	18.903%
7	10.049	1465	1470	1484	rBV	305394	421639	90.31%	17.072%
8	11.079	1634	1639	1657	rBV	238772	309326	66.26%	12.525%
9	12.018	1788	1793	1803	rBV	293221	356611	76.39%	14.439%

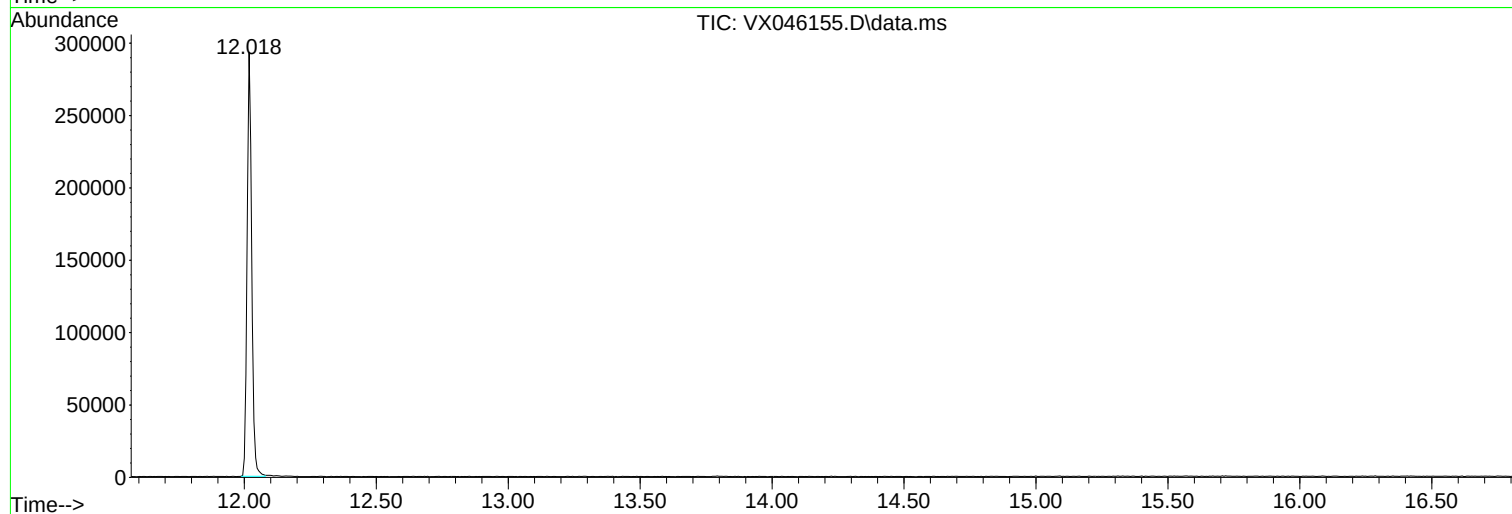
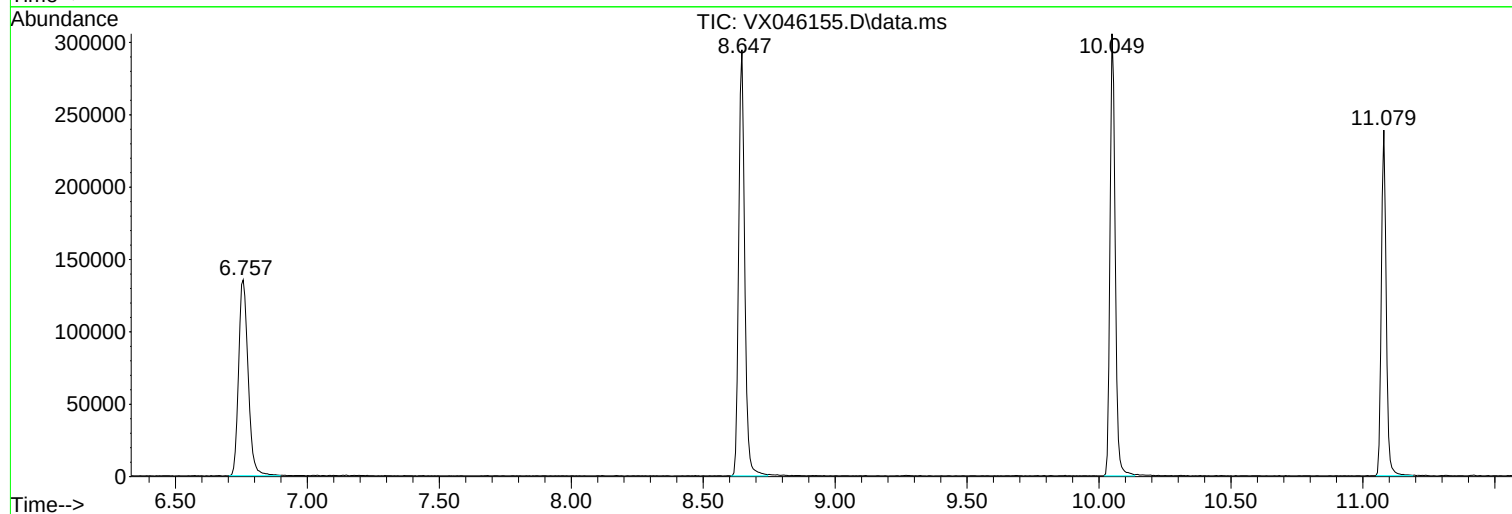
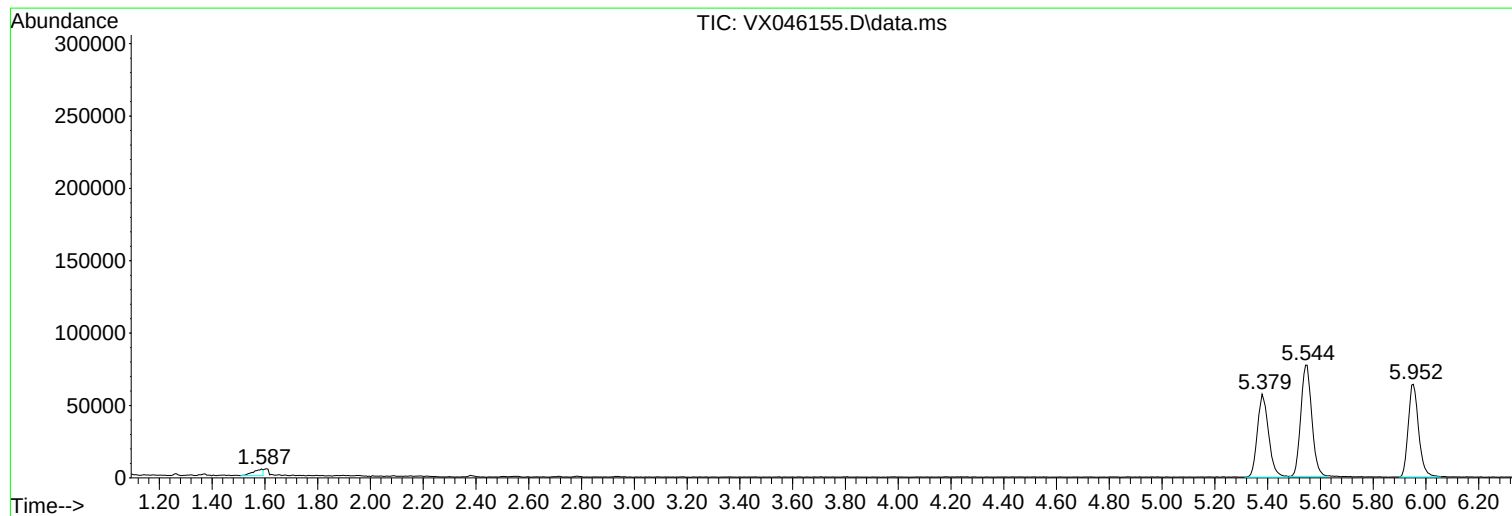
Sum of corrected areas: 2469729

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q2018
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Hillside			Date Received:			
Client Sample ID:	VX0514WBL01			SDG No.:	Q2018		
Lab Sample ID:	VX0514WBL01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66100	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	54700	12.018			

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_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	66143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54666	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66199	53.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.360%
35) Dibromofluoromethane	5.379	113	49039	51.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.400%
50) Toluene-d8	8.647	98	165941	50.058	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.079	95	64922	51.057	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.120%

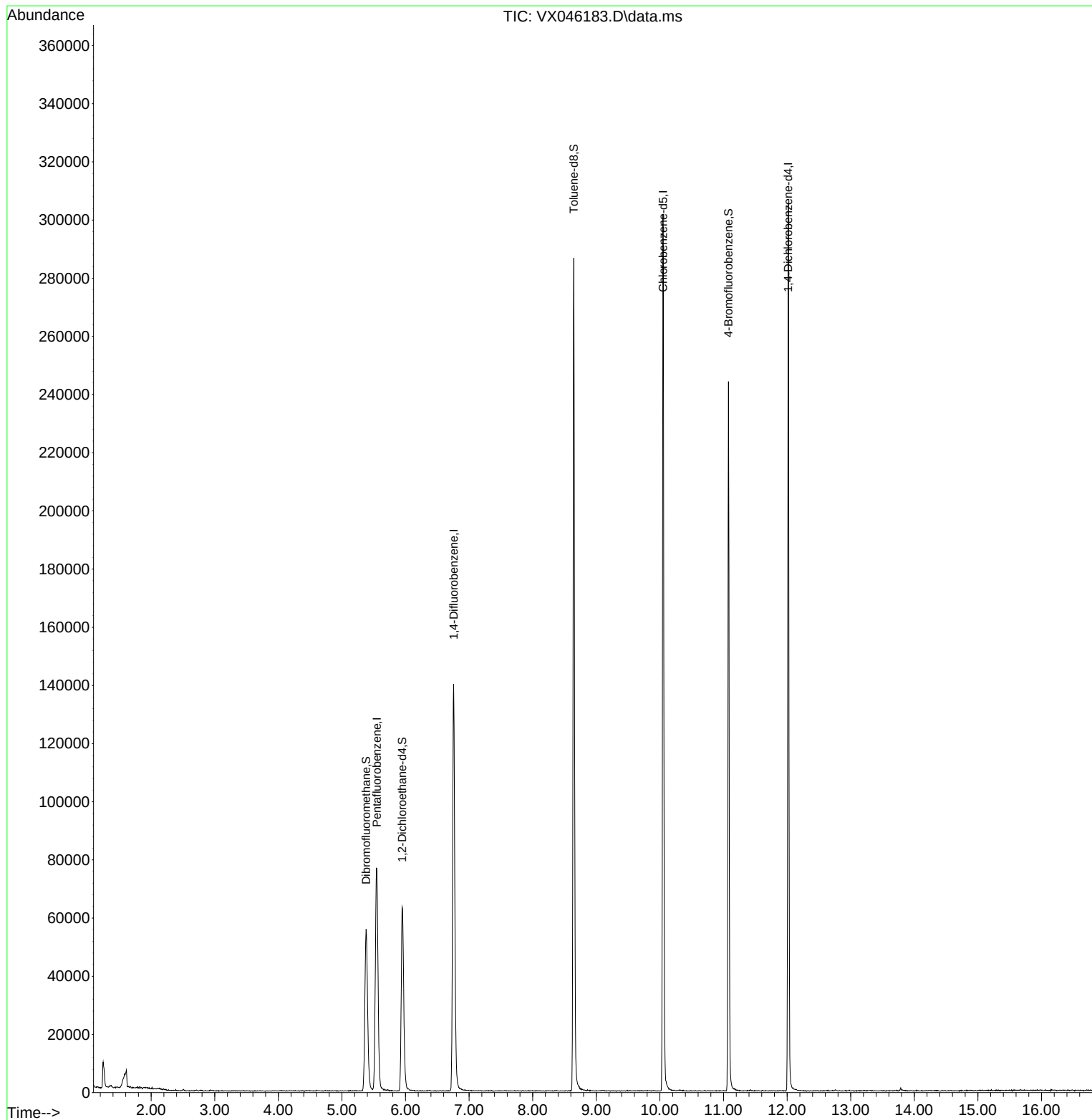
Target Compounds	Qvalue

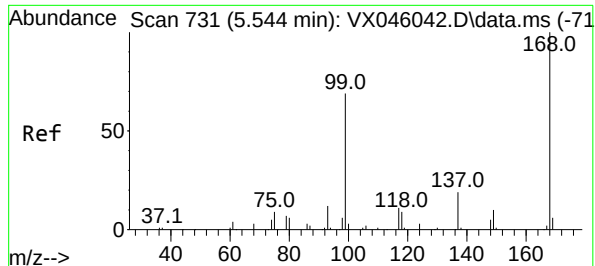
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

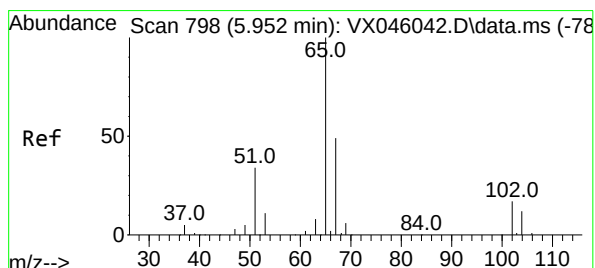
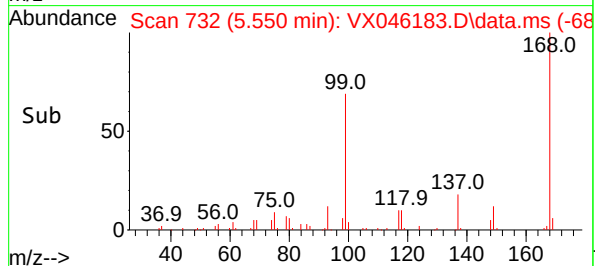
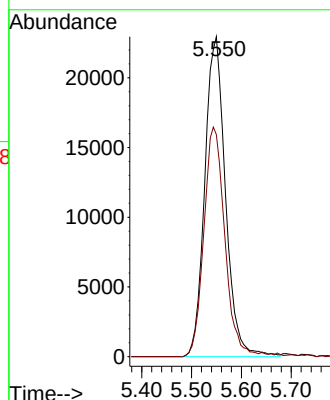
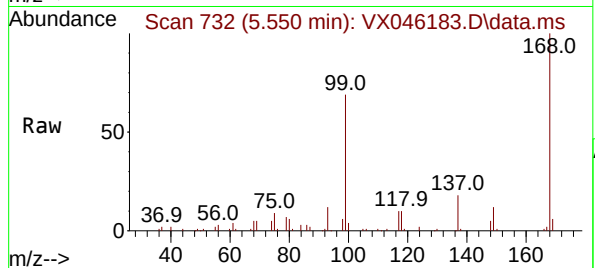




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

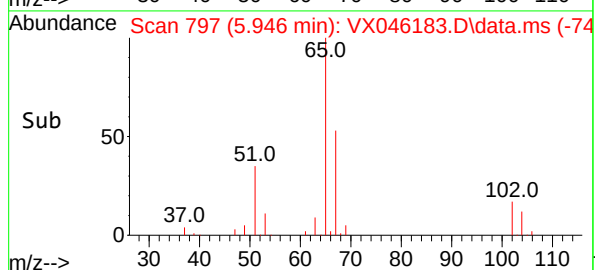
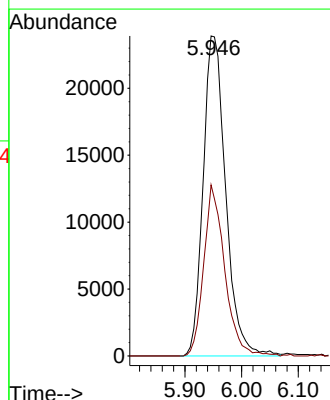
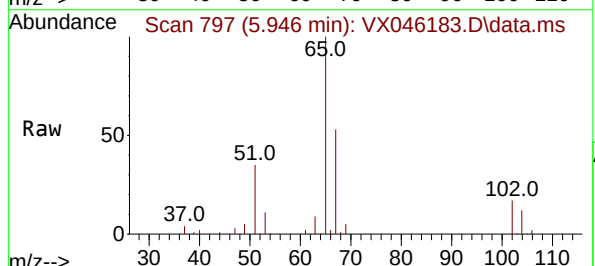
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

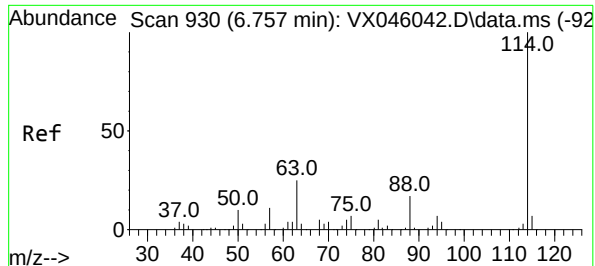
Tgt Ion:168 Resp: 66143
Ion Ratio Lower Upper
168 100
99 69.4 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.684 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion: 65 Resp: 66199
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBL01

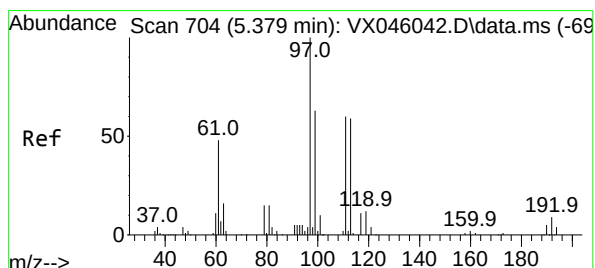
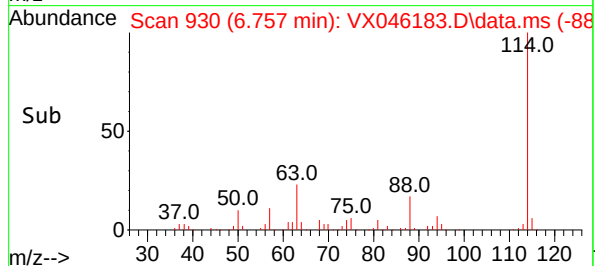
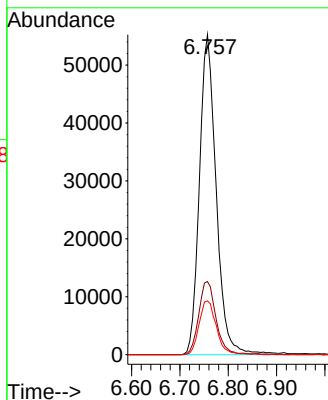
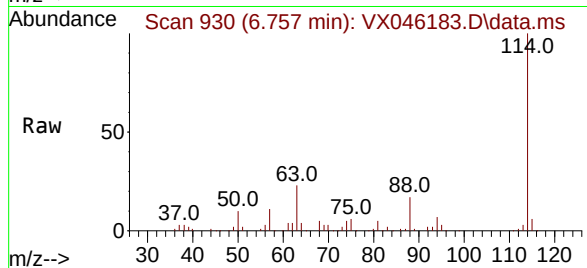
Tgt Ion:114 Resp: 133003

Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 16.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.202 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

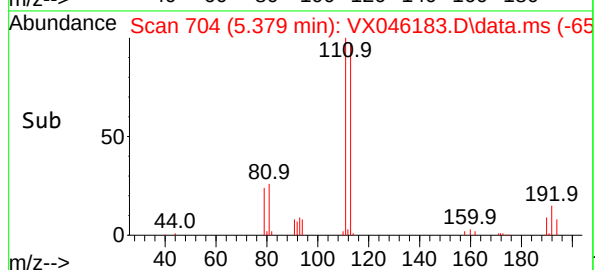
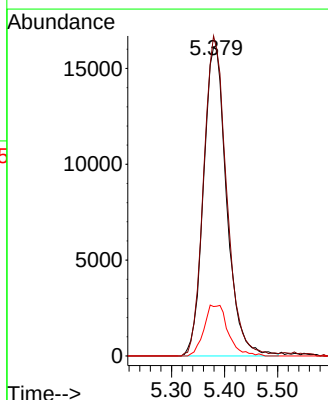
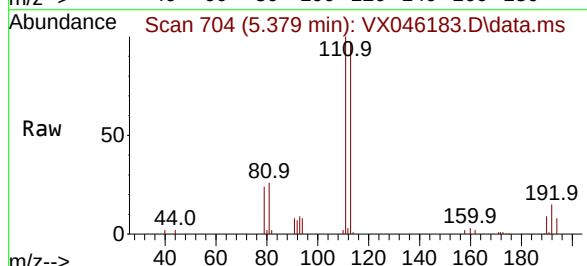
Tgt Ion:113 Resp: 49039

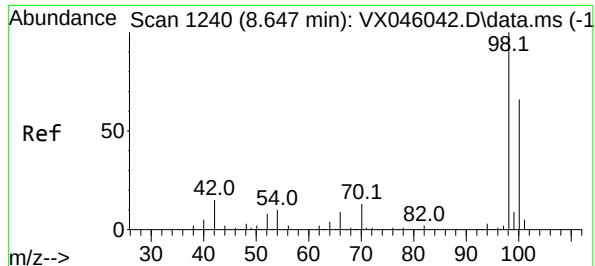
Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

192 17.0 13.3 19.9





#50

Toluene-d8

Concen: 50.058 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

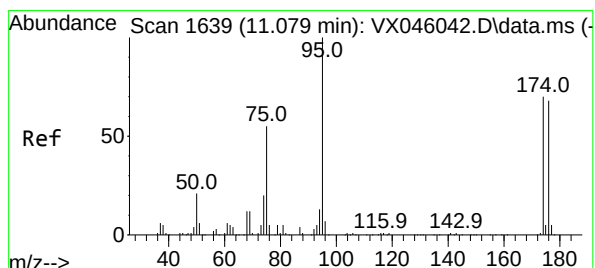
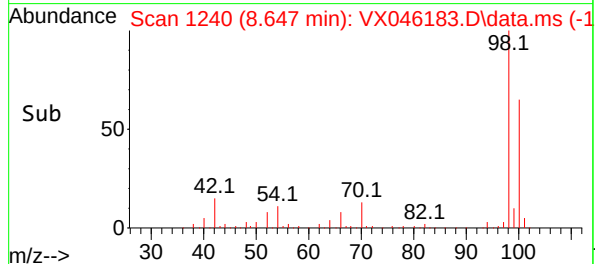
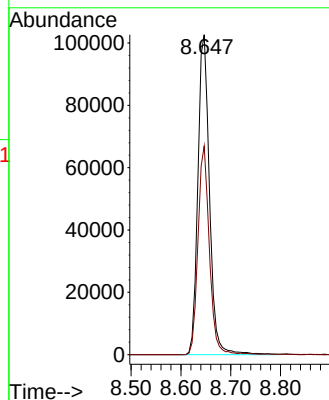
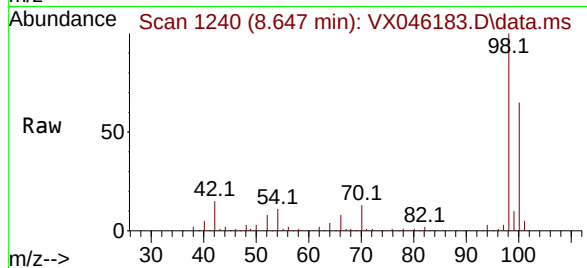
VX0514WBL01

Tgt Ion: 98 Resp: 165941

Ion Ratio Lower Upper

98 100

100 64.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.057 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

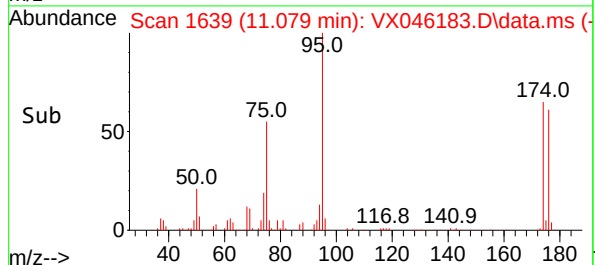
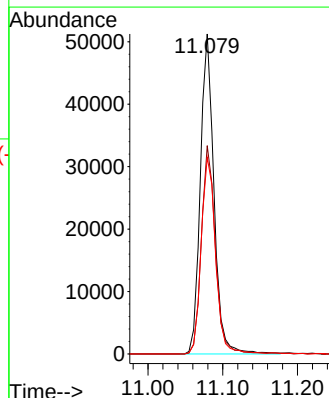
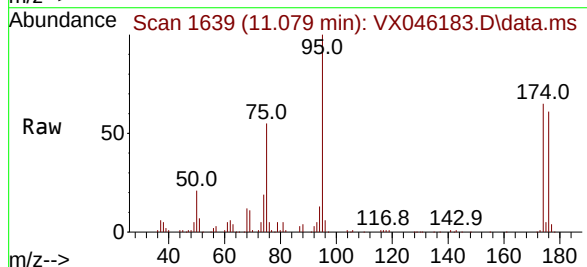
Tgt Ion: 95 Resp: 64922

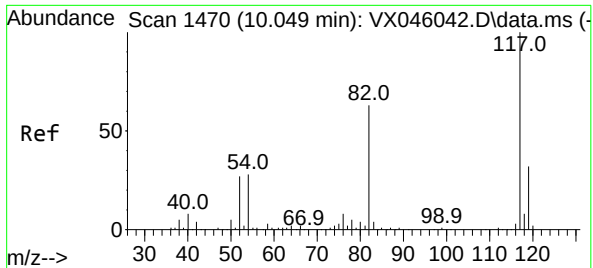
Ion Ratio Lower Upper

95 100

174 66.9 0.0 135.8

176 64.8 0.0 131.4

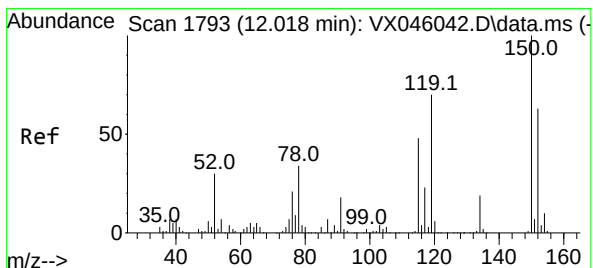
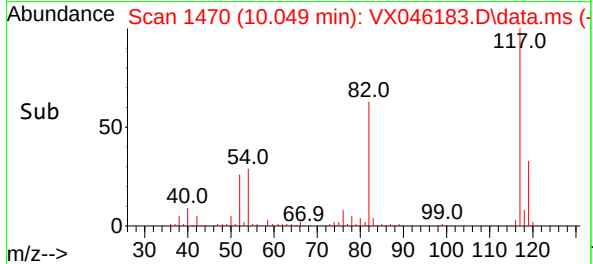
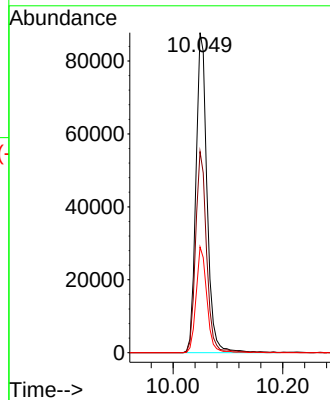
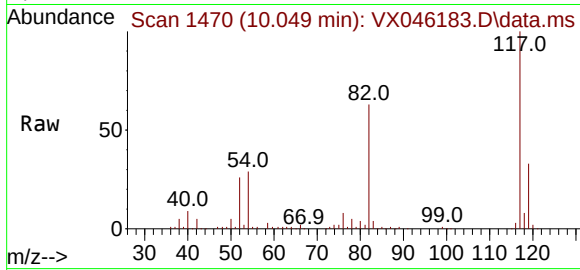




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

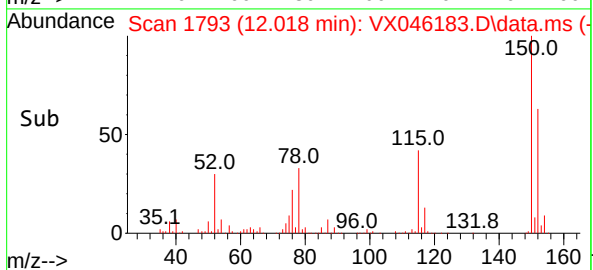
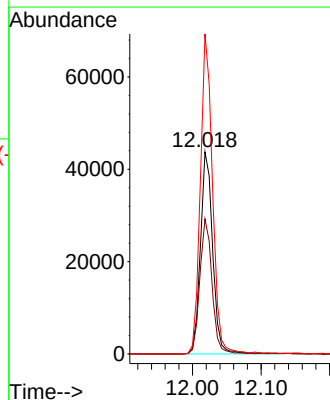
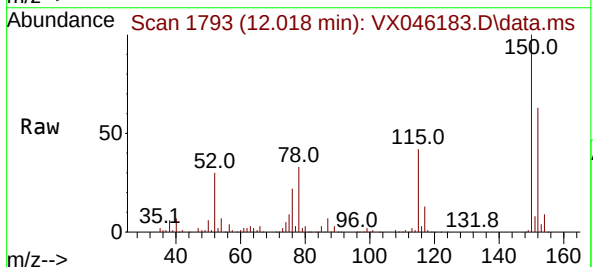
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion:117 Resp: 124085
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 33.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion:152 Resp: 54666
Ion Ratio Lower Upper
152 100
115 66.4 46.9 140.7
150 156.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046183.D
 Acq On : 14 May 2025 10:50
 Operator : JC/MD
 Sample : VX0514WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBL01

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_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046183.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	35	rBV2	8812	16550	3.60%	0.661%
2	1.581	70	81	82	rBV4	4596	10548	2.29%	0.421%
3	1.611	84	86	88	rVB2	5780	5063	1.10%	0.202%
4	5.379	694	704	721	rBV	55690	167226	36.34%	6.678%
5	5.544	721	731	749	rVB3	76438	222483	48.34%	8.885%
6	5.946	788	797	811	rBV	63312	172222	37.42%	6.878%
7	6.757	920	930	945	rBV	139913	337823	73.40%	13.491%
8	8.647	1234	1240	1256	rBV	286218	460221	100.00%	18.379%
9	10.049	1465	1470	1491	rBV	301357	423282	91.97%	16.904%
10	11.079	1634	1639	1652	rBV	243880	316192	68.70%	12.627%
11	12.018	1788	1793	1804	rBV	305205	372457	80.93%	14.874%

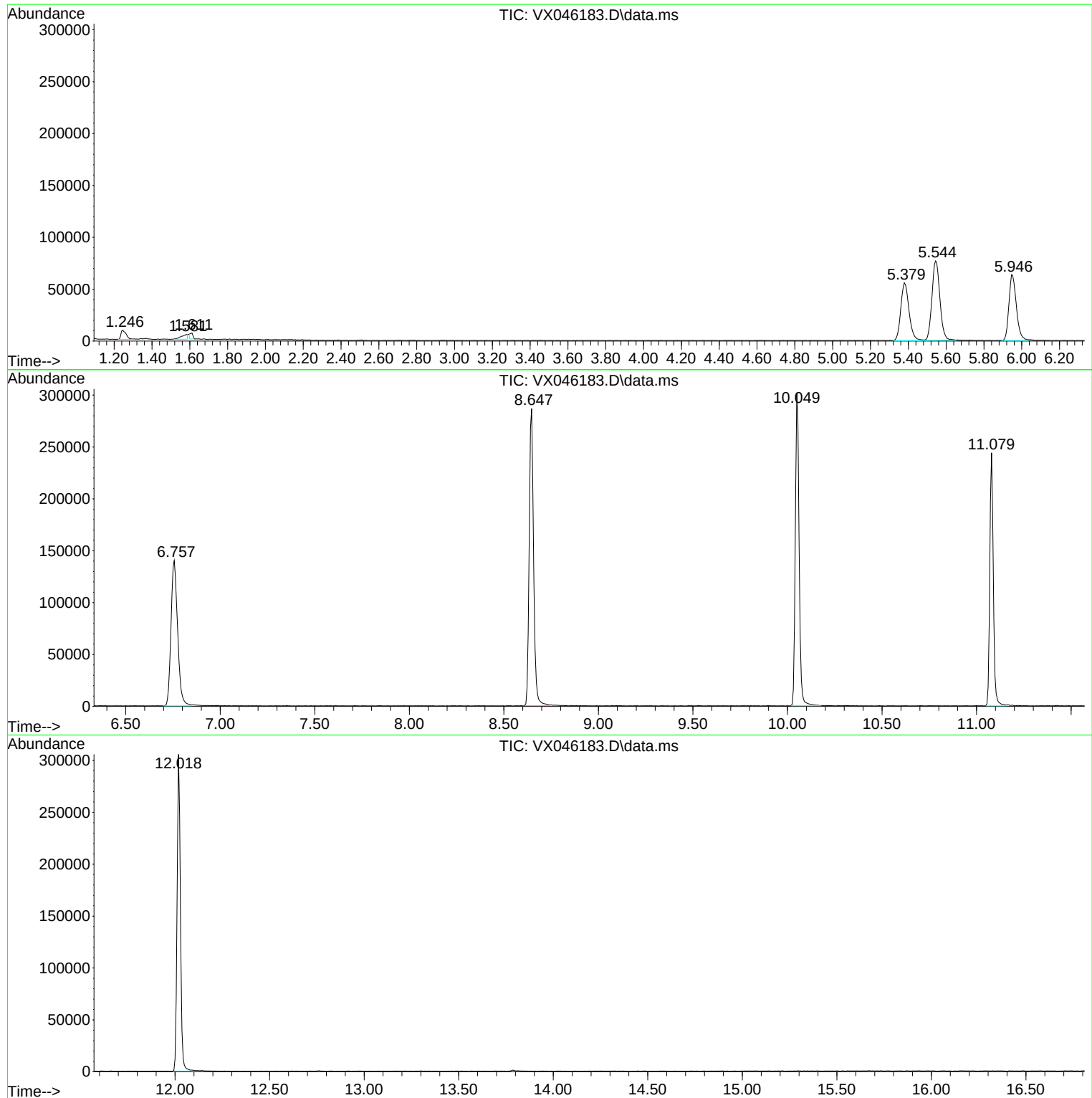
Sum of corrected areas: 2504067

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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:	G Environmental	Date Collected:	
Project:	Hillside	Date Received:	
Client Sample ID:	VX0515WBL01	SDG No.:	Q2018
Lab Sample ID:	VX0515WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046202.D	1		05/15/25 10:38	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	VX0515WBL01			SDG No.:	Q2018
Lab Sample ID:	VX0515WBL01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046202.D	1		05/15/25 10:38	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65800	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	122000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51400	12.018			

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_X\Data\VX051525\
 Data File : VX046202.D
 Acq On : 15 May 2025 10:38
 Operator : JC/MD
 Sample : VX0515WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBL01

Quant Time: May 16 01:01:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	65765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51360	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66447	54.195	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.400%
35) Dibromofluoromethane	5.379	113	48539	51.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.980%
50) Toluene-d8	8.647	98	163643	50.159	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.320%
62) 4-Bromofluorobenzene	11.079	95	61253	48.946	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.900%

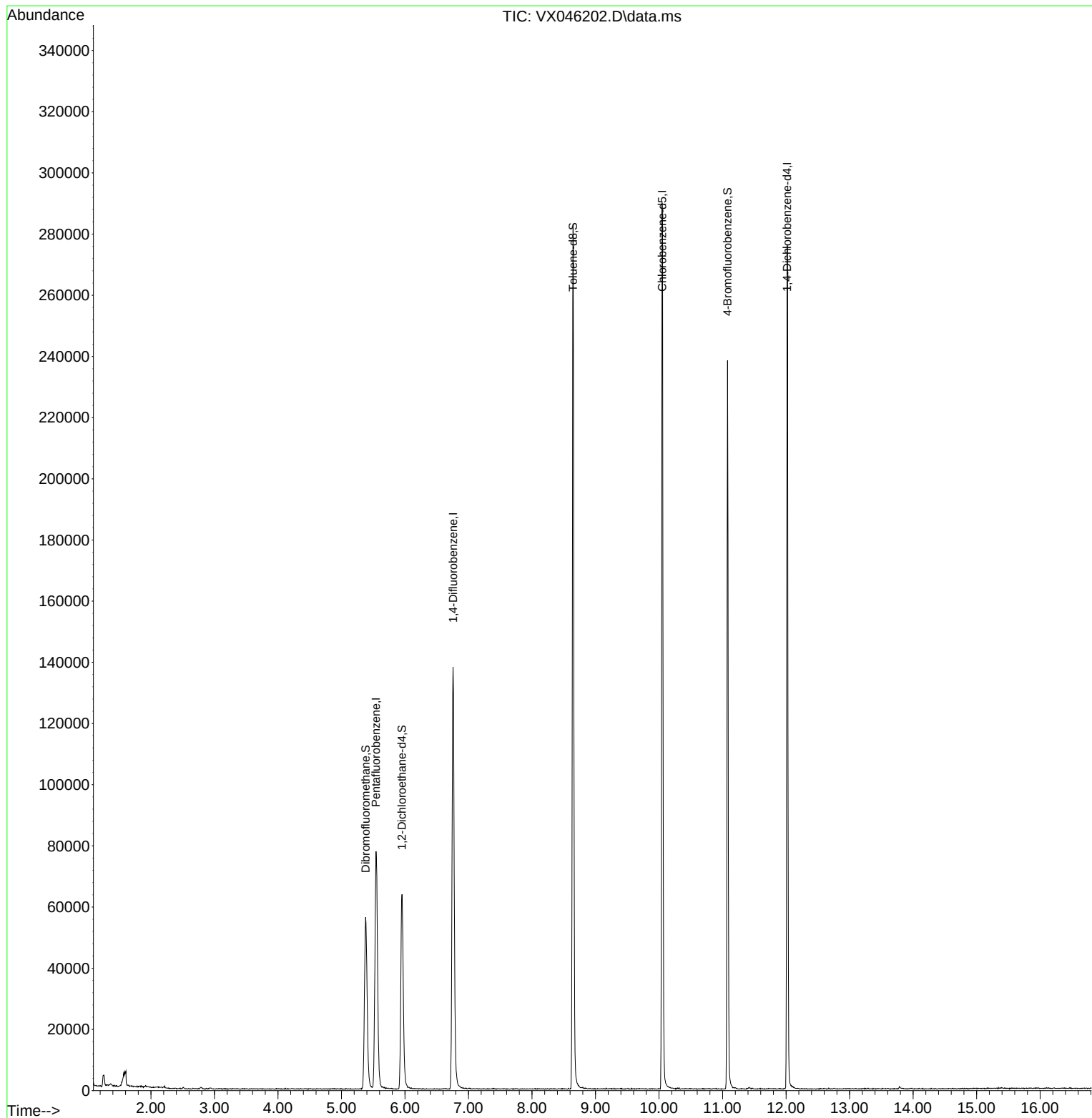
Target Compounds	Qvalue

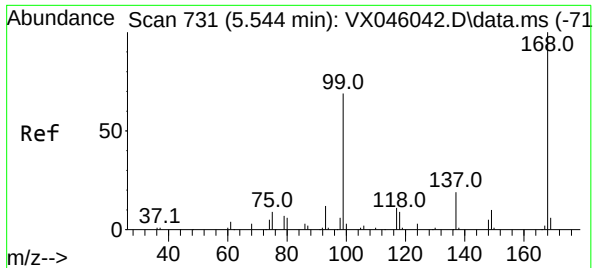
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Time: May 16 01:01:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

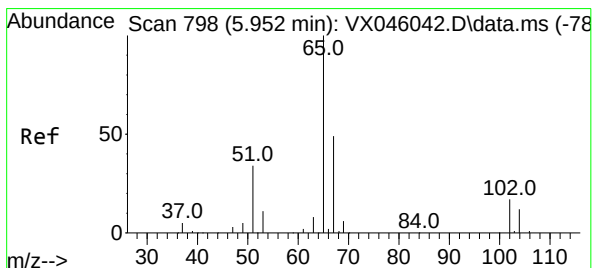
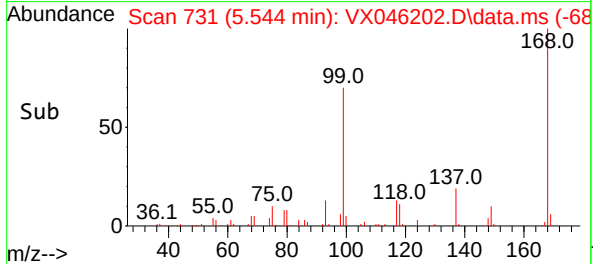
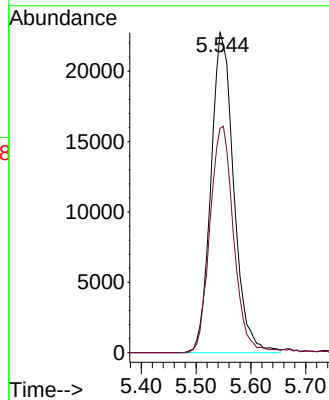
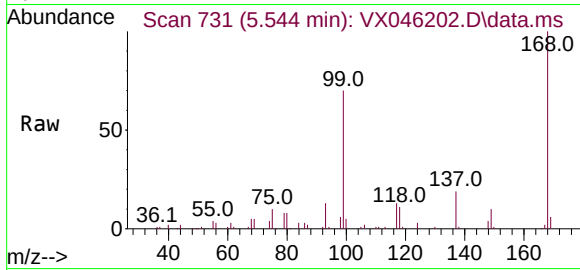
VX0515WBL01

Tgt Ion:168 Resp: 65765

Ion Ratio Lower Upper

168 100

99 70.1 54.9 82.3



#33

1,2-Dichloroethane-d4

Concen: 54.195 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046202.D

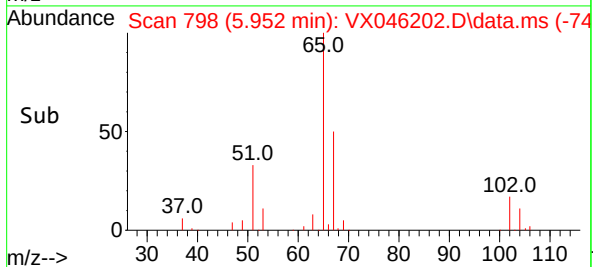
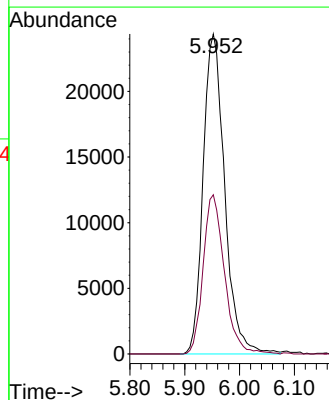
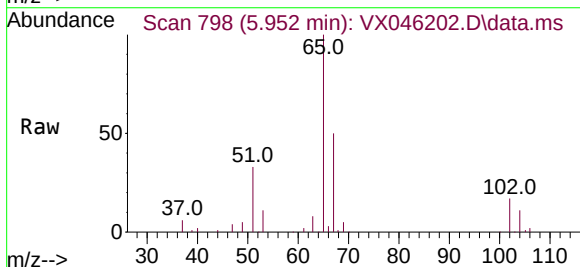
Acq: 15 May 2025 10:38

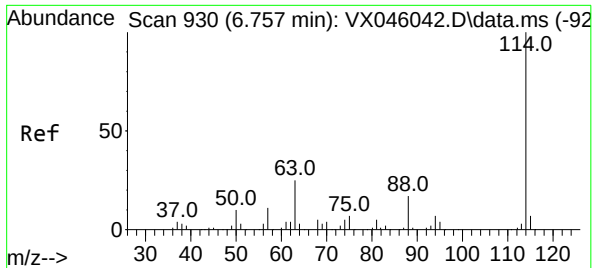
Tgt Ion: 65 Resp: 66447

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL01

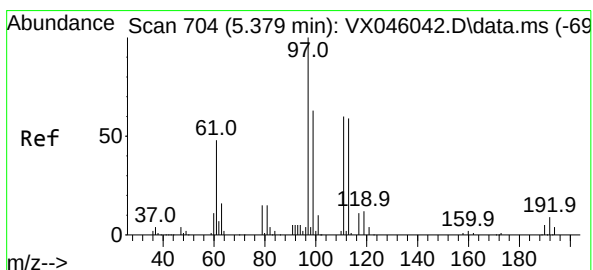
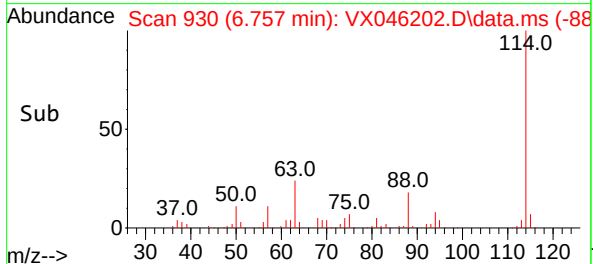
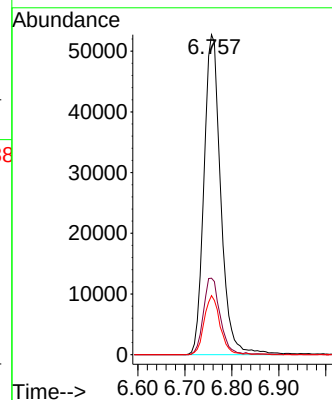
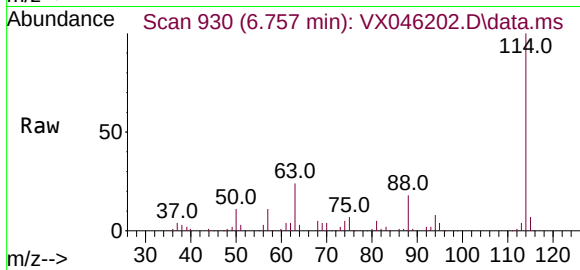
Tgt Ion:114 Resp: 130899

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 18.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.494 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

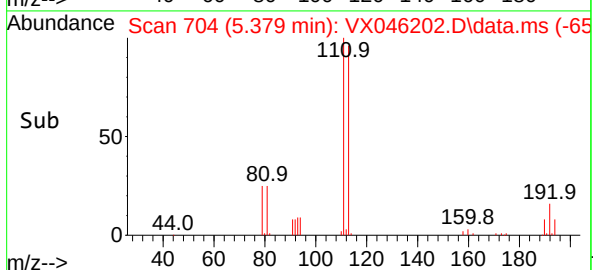
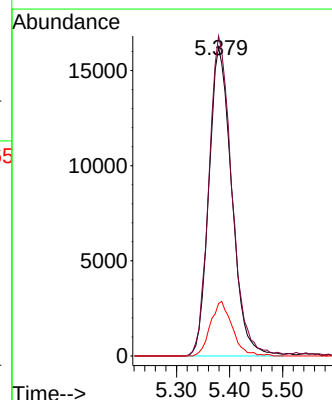
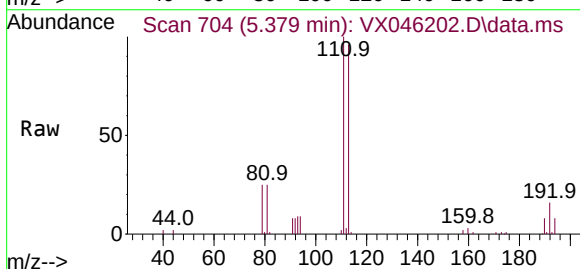
Tgt Ion:113 Resp: 48539

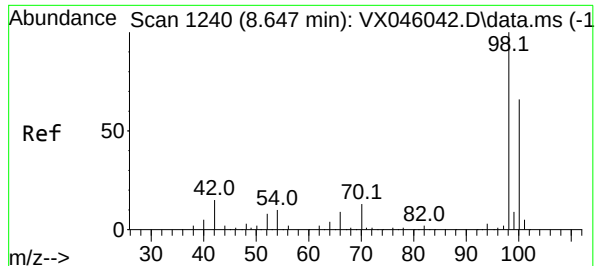
Ion Ratio Lower Upper

113 100

111 103.9 83.1 124.7

192 16.9 13.3 19.9





#50

Toluene-d8

Concen: 50.159 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

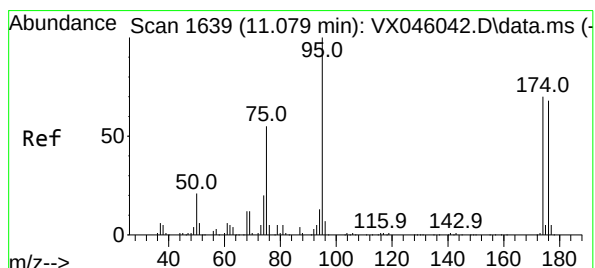
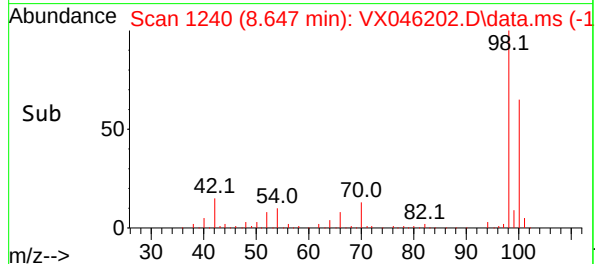
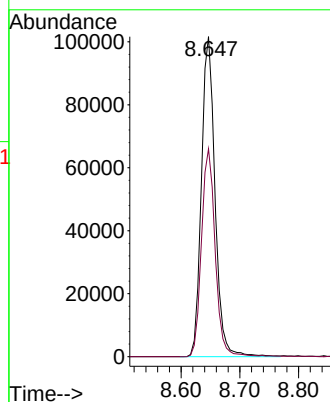
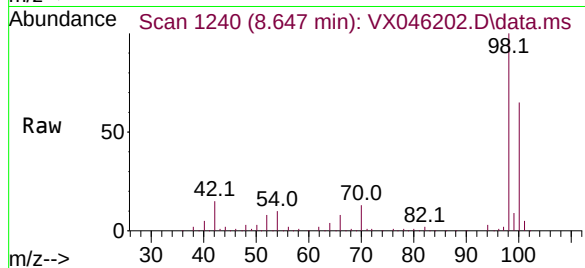
VX0515WBL01

Tgt Ion: 98 Resp: 163643

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 48.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

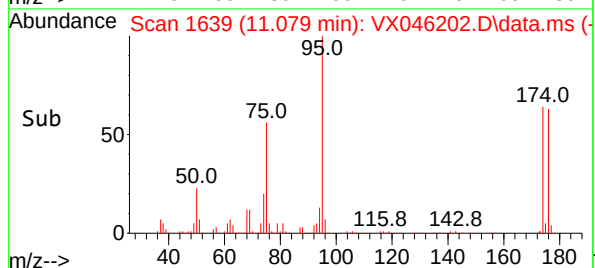
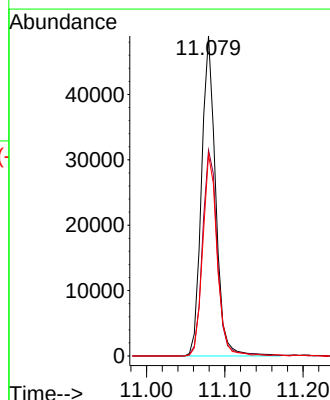
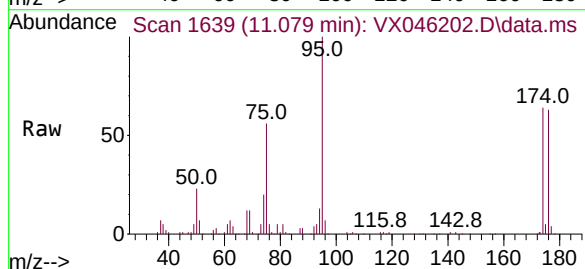
Tgt Ion: 95 Resp: 61253

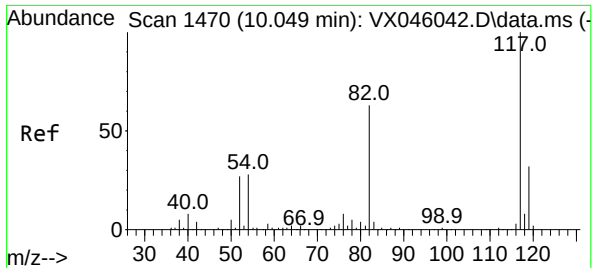
Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 64.1 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL01

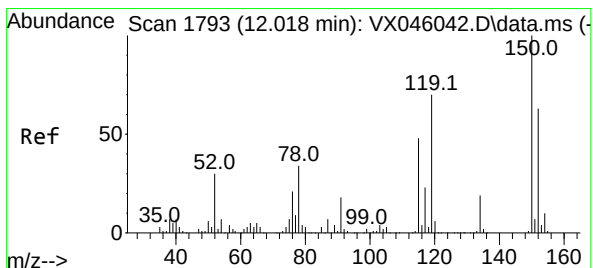
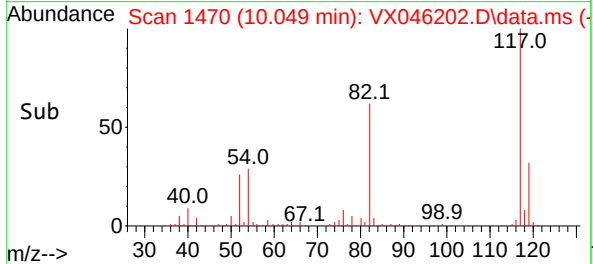
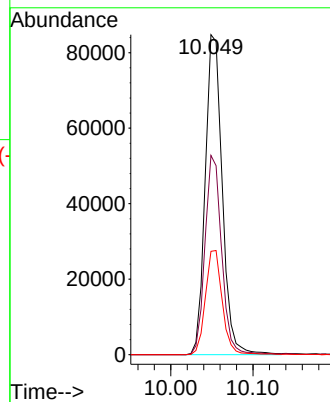
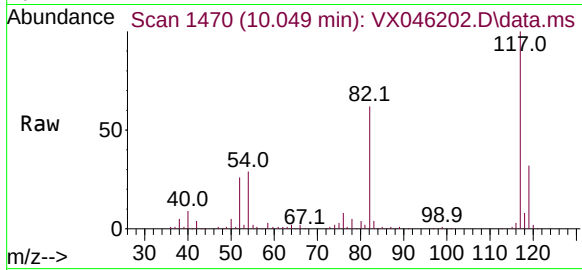
Tgt Ion:117 Resp: 122283

Ion Ratio Lower Upper

117 100

82 62.2 50.6 76.0

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046202.D

Acq: 15 May 2025 10:38

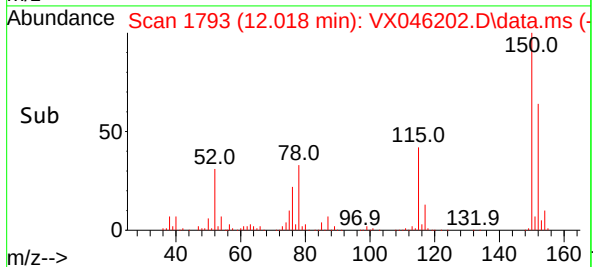
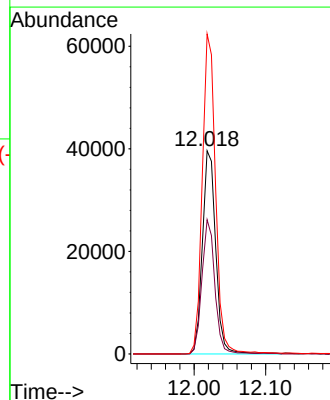
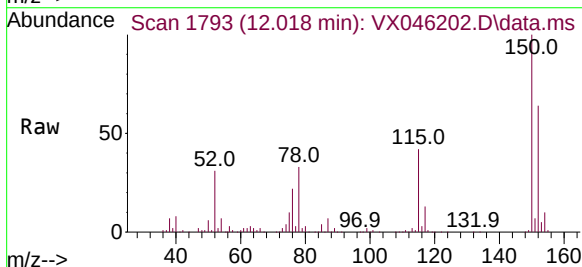
Tgt Ion:152 Resp: 51360

Ion Ratio Lower Upper

152 100

115 64.0 46.9 140.7

150 156.8 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046202.D
 Acq On : 15 May 2025 10:38
 Operator : JC/MD
 Sample : VX0515WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBL01

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_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046202.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	22	28	32	rBV3	3887	7826	1.71%	0.322%
2	1.605	72	85	88	rBV6	4606	14421	3.16%	0.593%
3	5.379	694	704	721	rBV	56197	167022	36.56%	6.864%
4	5.544	722	731	746	rVB2	77181	220814	48.34%	9.074%
5	5.952	789	798	812	rBV	63570	172497	37.76%	7.089%
6	6.757	921	930	948	rBV	137969	334499	73.22%	13.746%
7	8.647	1234	1240	1253	rBV	282551	456813	100.00%	18.772%
8	10.049	1465	1470	1484	rBV	289741	413059	90.42%	16.974%
9	11.079	1634	1639	1652	rBV	238040	301740	66.05%	12.400%
10	12.018	1788	1793	1803	rBV	275656	344769	75.47%	14.168%

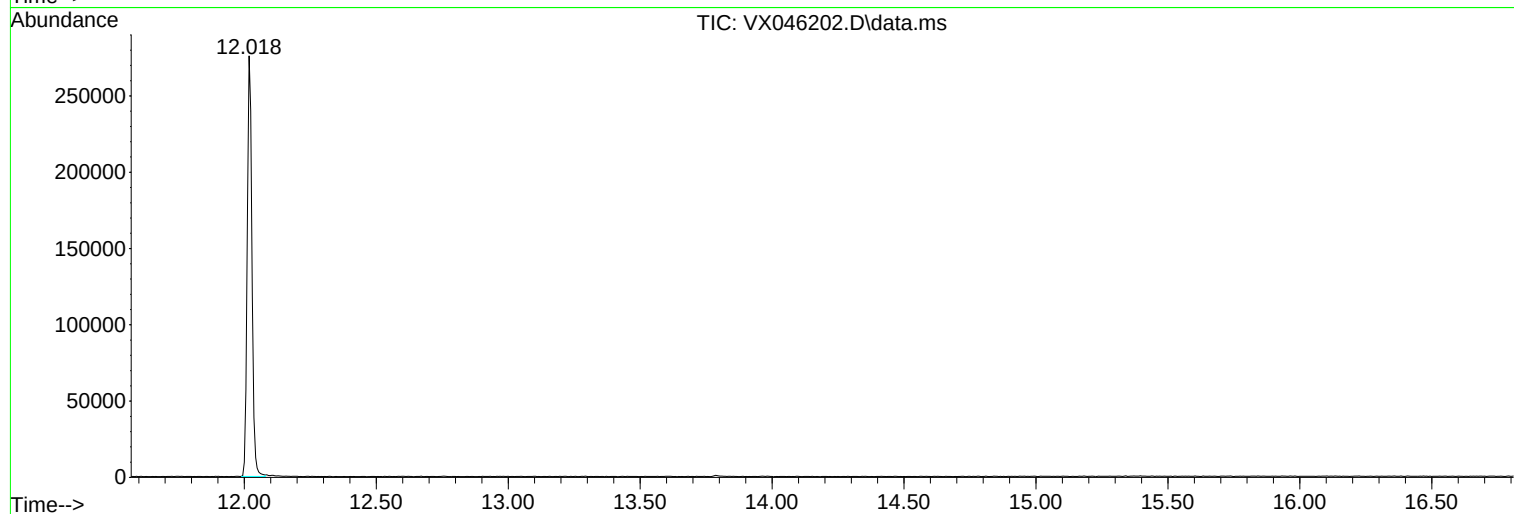
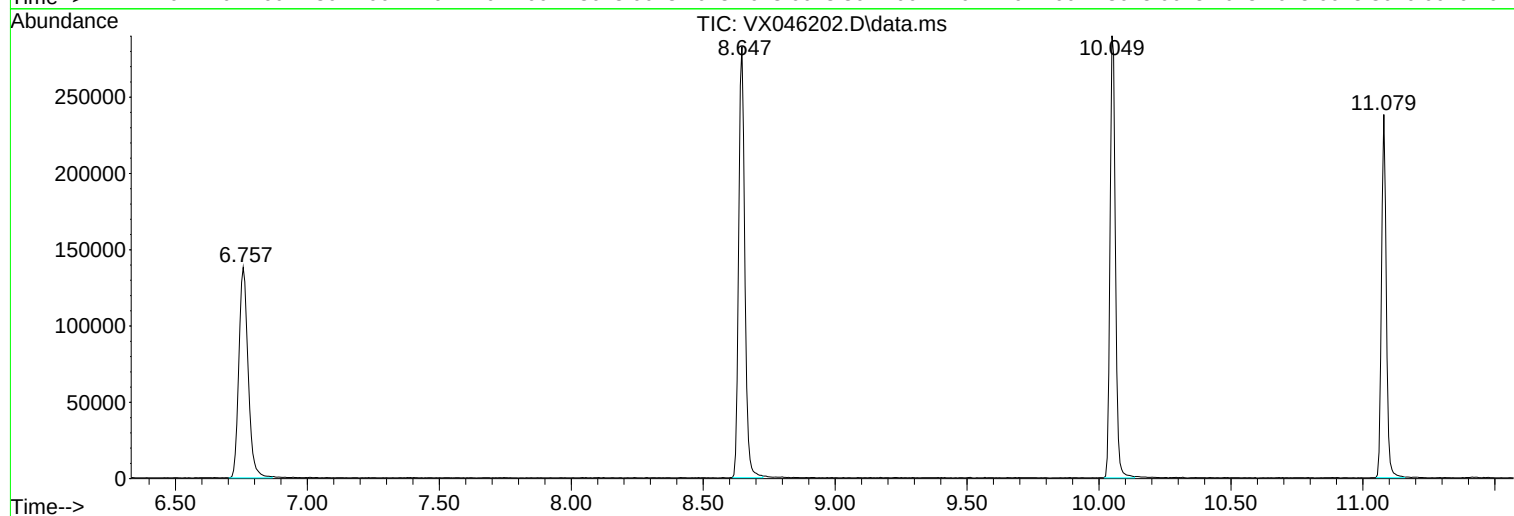
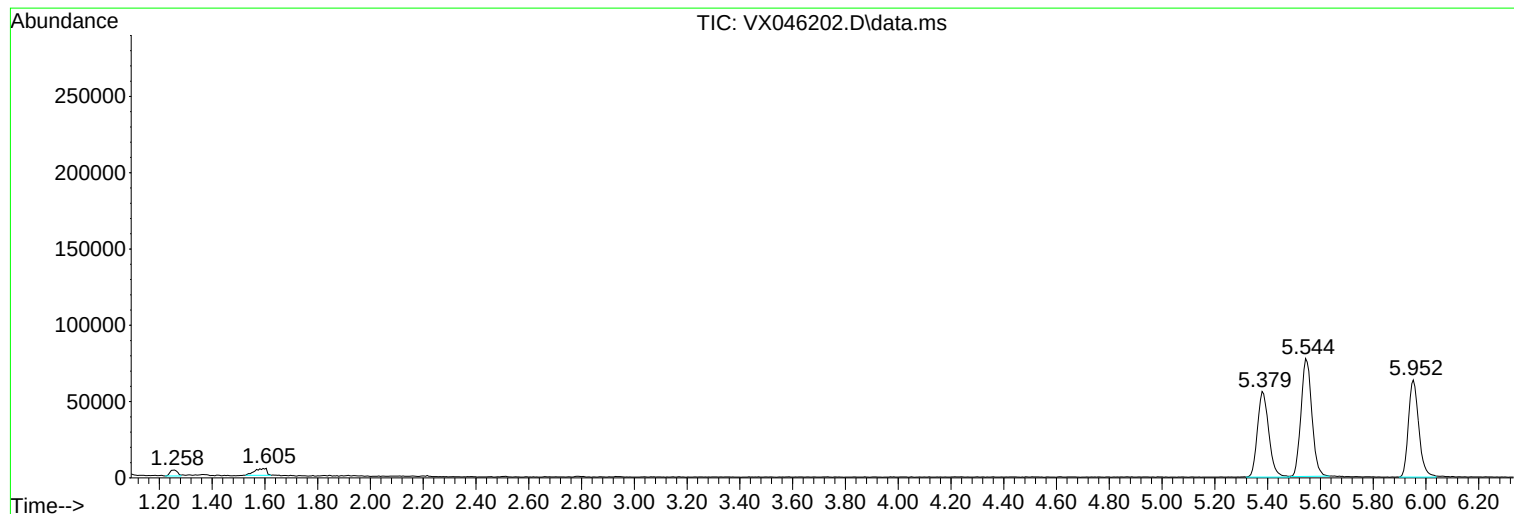
Sum of corrected areas: 2433460

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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_X\Data\VX051525\
Data File : VX046202.D
Acq On : 15 May 2025 10:38
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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:	G Environmental		Date Collected:	
Project:	Hillside		Date Received:	
Client Sample ID:	VX0513WBS01		SDG No.:	Q2018
Lab Sample ID:	VX0513WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046158.D	1		05/13/25 12:02	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	20.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	5.00	ug/L
75-00-3	Chloroethane	21.0		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
67-64-1	Acetone	99.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.7		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.19	1.00	ug/L
67-66-3	Chloroform	21.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.5		0.68	5.00	ug/L
108-88-3	Toluene	19.8		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.0		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	VX0513WBS01			SDG No.:	Q2018
Lab Sample ID:	VX0513WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046158.D	1		05/13/25 12:02	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	19.2		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89400	5.544			
540-36-3	1,4-Difluorobenzene	161000	6.757			
3114-55-4	Chlorobenzene-d5	140000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	64300	12.018			

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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046158.D
 Acq On : 13 May 2025 12:02
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	89387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85824	51.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	5.379	113	58619	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	8.647	98	200032	49.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.079	95	75677	49.293	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27952	20.431	ug/l	99
3) Chloromethane	1.307	50	26480	19.959	ug/l	96
4) Vinyl Chloride	1.374	62	23484	19.019	ug/l	93
5) Bromomethane	1.593	94	10955	19.128	ug/l	94
6) Chloroethane	1.672	64	13846	21.005	ug/l	94
7) Trichlorofluoromethane	1.874	101	36765	20.146	ug/l	99
8) Diethyl Ether	2.136	74	12331	19.849	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	23297	20.629	ug/l	98
10) Methyl Iodide	2.447	142	24059	18.004	ug/l	100
11) Tert butyl alcohol	2.971	59	23811	101.791	ug/l	99
12) 1,1-Dichloroethene	2.313	96	20042	18.909	ug/l	93
13) Acrolein	2.233	56	34142	128.161	ug/l	96
14) Allyl chloride	2.654	41	40337	19.913	ug/l	96
15) Acrylonitrile	3.062	53	68205	101.969	ug/l	97
16) Acetone	2.386	43	66592	99.663	ug/l	98
17) Carbon Disulfide	2.502	76	44106	17.552	ug/l	99
18) Methyl Acetate	2.703	43	33890	21.857	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	73956	19.902	ug/l	98
20) Methylene Chloride	2.782	84	24173	18.879	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20886	19.595	ug/l	99
22) Diisopropyl ether	3.757	45	80410	20.550	ug/l	91
23) Vinyl Acetate	3.721	43	342791	99.605	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45109	20.698	ug/l	99
25) 2-Butanone	4.556	43	99596	102.672	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31303	18.351	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	25631	19.975	ug/l	99
28) Bromochloromethane	4.891	49	24130	23.002	ug/l	98
29) Tetrahydrofuran	5.007	42	62866	103.423	ug/l	99
30) Chloroform	5.086	83	47728	21.011	ug/l	98
31) Cyclohexane	5.464	56	38655	19.464	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39722	20.172	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29635	19.074	ug/l	99
37) Ethyl Acetate	4.721	43	38117	19.857	ug/l	98
38) Carbon Tetrachloride	5.666	117	33949	19.447	ug/l	99
39) Methylcyclohexane	7.379	83	36172	18.083	ug/l	99
40) Benzene	6.038	78	90872	19.968	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046158.D
 Acq On : 13 May 2025 12:02
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21351	21.262	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39742	20.234	ug/l	100
43) Isopropyl Acetate	6.342	43	56227	19.200	ug/l	100
44) Trichloroethene	7.123	130	20762	18.955	ug/l	99
45) 1,2-Dichloropropane	7.428	63	22765	20.117	ug/l	98
46) Dibromomethane	7.580	93	17712	19.845	ug/l	99
47) Bromodichloromethane	7.818	83	35560	20.229	ug/l	100
48) Methyl methacrylate	7.690	41	29941	20.019	ug/l	99
49) 1,4-Dioxane	7.659	88	11975	421.693	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	193351	99.466	ug/l	99
52) Toluene	8.714	92	55198	19.780	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	29751	19.041	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	33119	19.178	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	22155	20.135	ug/l	98
56) Ethyl methacrylate	9.116	69	35859	20.448	ug/l	97
57) 1,3-Dichloropropane	9.305	76	39143	19.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	94573	105.779	ug/l	100
59) 2-Hexanone	9.427	43	147202	102.355	ug/l	100
60) Dibromochloromethane	9.519	129	24008	19.867	ug/l	100
61) 1,2-Dibromoethane	9.604	107	22444	19.625	ug/l	98
64) Tetrachloroethene	9.269	164	19937	20.132	ug/l	96
65) Chlorobenzene	10.079	112	60473	19.740	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	20391	19.493	ug/l	99
67) Ethyl Benzene	10.189	91	105309	19.502	ug/l	99
68) m/p-Xylenes	10.299	106	76744	38.857	ug/l	98
69) o-Xylene	10.640	106	37747	19.604	ug/l	94
70) Styrene	10.653	104	63297	20.068	ug/l	98
71) Bromoform	10.799	173	15044	19.155	ug/l #	97
73) Isopropylbenzene	10.957	105	102305	20.447	ug/l	100
74) N-amyl acetate	10.842	43	48907	19.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35099	20.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30566m	19.759	ug/l	
77) Bromobenzene	11.195	156	22767	19.599	ug/l	98
78) n-propylbenzene	11.299	91	115599	19.870	ug/l	99
79) 2-Chlorotoluene	11.360	91	75050	20.000	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86702	20.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	16.959	ug/l	89
82) 4-Chlorotoluene	11.451	91	83255	20.007	ug/l	99
83) tert-Butylbenzene	11.713	119	83637	19.864	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	87926	20.771	ug/l	100
85) sec-Butylbenzene	11.890	105	104073	20.131	ug/l	100
86) p-Isopropyltoluene	12.006	119	86044	20.164	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41868	19.749	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42098	19.444	ug/l	97
89) n-Butylbenzene	12.329	91	71304	19.049	ug/l	99
90) Hexachloroethane	12.536	117	14801	19.688	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	43655	20.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7903	20.346	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22708	18.584	ug/l	99
94) Hexachlorobutadiene	13.725	225	10428	19.541	ug/l	98
95) Naphthalene	13.774	128	83959	18.735	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23788	18.868	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046158.D
Acq On : 13 May 2025 12:02
Operator : JC/MD
Sample : VX0513WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

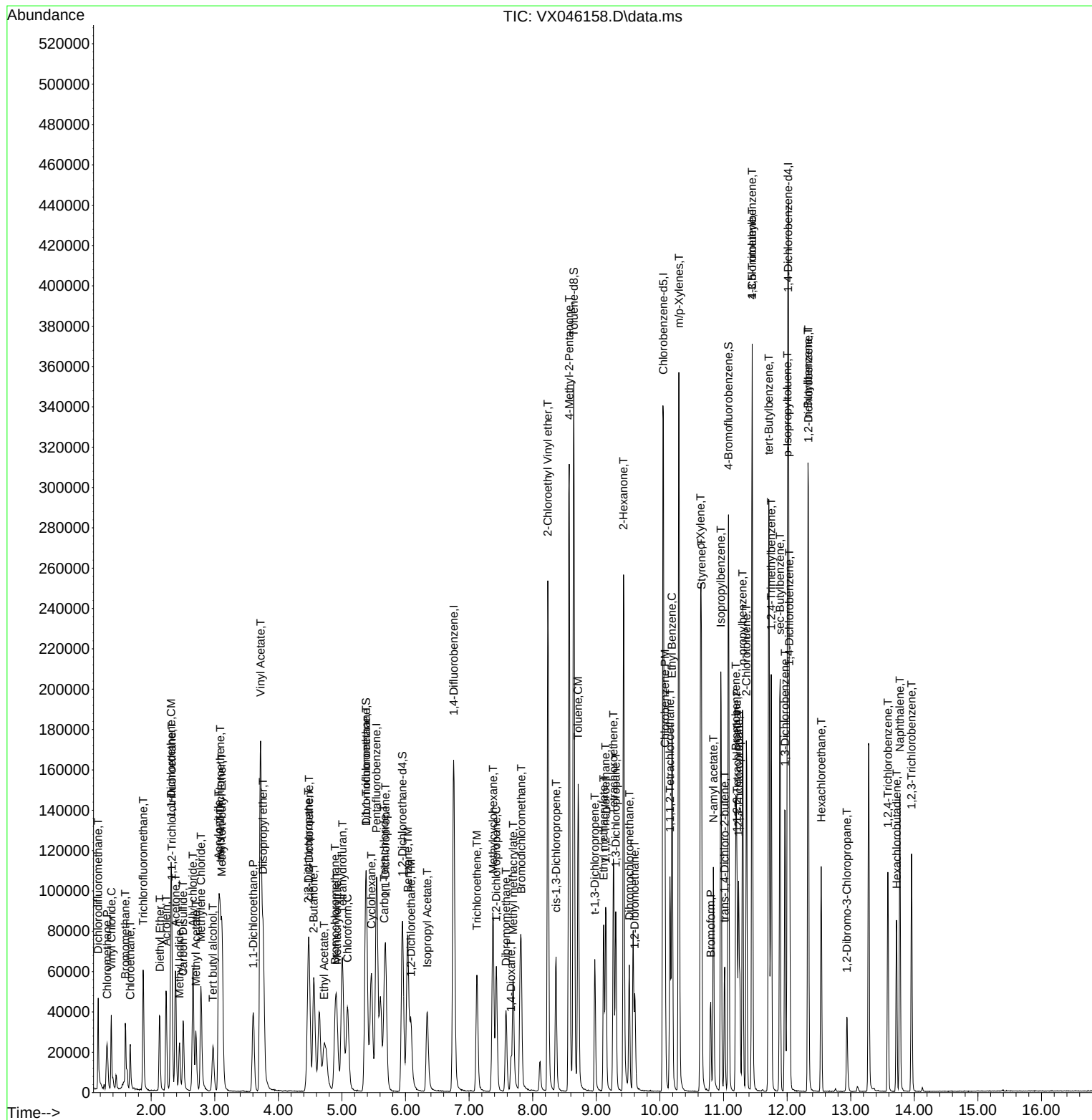
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046158.D
 Acq On : 13 May 2025 12:02
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Hillside		Date Received:	
Client Sample ID:	VX0514WBS01		SDG No.:	Q2018
Lab Sample ID:	VX0514WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	19.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	21.6		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
67-64-1	Acetone	99.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	VX0514WBS01			SDG No.:	Q2018
Lab Sample ID:	VX0514WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	18.6		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87900	5.55			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	138000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

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_X\Data\VX051425\
 Data File : VX046188.D
 Acq On : 14 May 2025 12:46
 Operator : JC/MD
 Sample : VX0514WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	87880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85335	52.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	5.385	113	57455	51.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.460%			
50) Toluene-d8	8.647	98	199212	51.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	74687	50.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26995	20.070	ug/l	100
3) Chloromethane	1.307	50	25169	19.296	ug/l	99
4) Vinyl Chloride	1.374	62	22810	18.790	ug/l	97
5) Bromomethane	1.599	94	10194	18.105	ug/l	97
6) Chloroethane	1.672	64	13982	21.575	ug/l	94
7) Trichlorofluoromethane	1.880	101	36109	20.126	ug/l	97
8) Diethyl Ether	2.136	74	12284	20.113	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	21842	19.672	ug/l	98
10) Methyl Iodide	2.447	142	21998	16.744	ug/l	100
11) Tert butyl alcohol	2.971	59	23307	101.345	ug/l	100
12) 1,1-Dichloroethene	2.312	96	19697	18.902	ug/l	98
13) Acrolein	2.233	56	26796	102.311	ug/l	98
14) Allyl chloride	2.660	41	38866	19.516	ug/l	98
15) Acrylonitrile	3.062	53	67508	102.658	ug/l	98
16) Acetone	2.379	43	65605	99.869	ug/l	100
17) Carbon Disulfide	2.507	76	41074	16.626	ug/l	99
18) Methyl Acetate	2.703	43	34574	22.681	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	71925	19.688	ug/l	98
20) Methylene Chloride	2.788	84	23524	18.687	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19669	18.769	ug/l	99
22) Diisopropyl ether	3.763	45	76577	19.906	ug/l	97
23) Vinyl Acetate	3.721	43	330012	97.536	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42800	19.975	ug/l	98
25) 2-Butanone	4.556	43	99939	104.792	ug/l	97
26) 2,2-Dichloropropane	4.471	77	29524	17.605	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	24825	19.678	ug/l	99
28) Bromochloromethane	4.897	49	23678	22.958	ug/l	96
29) Tetrahydrofuran	5.007	42	62179	104.047	ug/l	99
30) Chloroform	5.092	83	46068	20.628	ug/l	98
31) Cyclohexane	5.458	56	37670	19.293	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	38635	19.957	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28745	19.076	ug/l	99
37) Ethyl Acetate	4.721	43	35215	18.915	ug/l	99
38) Carbon Tetrachloride	5.672	117	32596	19.252	ug/l	97
39) Methylcyclohexane	7.379	83	34808	17.942	ug/l	98
40) Benzene	6.031	78	87577	19.841	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046188.D
 Acq On : 14 May 2025 12:46
 Operator : JC/MD
 Sample : VX0514WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21111	21.676	ug/l	99
42) 1,2-Dichloroethane	6.080	62	38323	20.117	ug/l	100
43) Isopropyl Acetate	6.342	43	56154	19.771	ug/l	100
44) Trichloroethene	7.123	130	20027	18.852	ug/l	96
45) 1,2-Dichloropropane	7.427	63	22439	20.445	ug/l	98
46) Dibromomethane	7.580	93	17173	19.839	ug/l	100
47) Bromodichloromethane	7.818	83	33688	19.759	ug/l	97
48) Methyl methacrylate	7.689	41	28733	19.809	ug/l	99
49) 1,4-Dioxane	7.659	88	12597	457.379	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	195785	103.848	ug/l	98
52) Toluene	8.714	92	52893	19.543	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	27932	18.432	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	31770	18.968	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	21999	20.614	ug/l	95
56) Ethyl methacrylate	9.116	69	33817	19.882	ug/l	99
57) 1,3-Dichloropropane	9.305	76	37857	19.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	90312	104.151	ug/l	100
59) 2-Hexanone	9.427	43	144738	103.768	ug/l	98
60) Dibromochloromethane	9.518	129	23073	19.687	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22060	19.889	ug/l	97
64) Tetrachloroethene	9.268	164	18113	18.518	ug/l	95
65) Chlorobenzene	10.079	112	57364	18.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20101	19.455	ug/l	99
67) Ethyl Benzene	10.195	91	103376	19.381	ug/l	99
68) m/p-Xylenes	10.299	106	76474	39.202	ug/l	100
69) o-Xylene	10.640	106	37066	19.490	ug/l	97
70) Styrene	10.652	104	62259	19.984	ug/l	99
71) Bromoform	10.799	173	14407	18.572	ug/l #	98
73) Isopropylbenzene	10.957	105	100059	20.308	ug/l	100
74) N-amyl acetate	10.841	43	47294	19.425	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	34952	20.243	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29943m	19.656	ug/l	
77) Bromobenzene	11.195	156	22192	19.401	ug/l	99
78) n-propylbenzene	11.299	91	112157	19.578	ug/l	99
79) 2-Chlorotoluene	11.360	91	72402	19.594	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83635	20.319	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7362	15.734	ug/l	89
82) 4-Chlorotoluene	11.451	91	83144	20.290	ug/l	98
83) tert-Butylbenzene	11.713	119	82342	19.860	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82697	19.839	ug/l	99
85) sec-Butylbenzene	11.890	105	100532	19.748	ug/l	99
86) p-Isopropyltoluene	12.006	119	82358	19.599	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40253	19.282	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	40957	19.211	ug/l	97
89) n-Butylbenzene	12.329	91	68625	18.618	ug/l	100
90) Hexachloroethane	12.536	117	13714	18.525	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41875	19.989	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7781	20.343	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	21623	17.971	ug/l	98
94) Hexachlorobutadiene	13.725	225	10135	19.287	ug/l	99
95) Naphthalene	13.774	128	81431	18.453	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23467	18.902	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

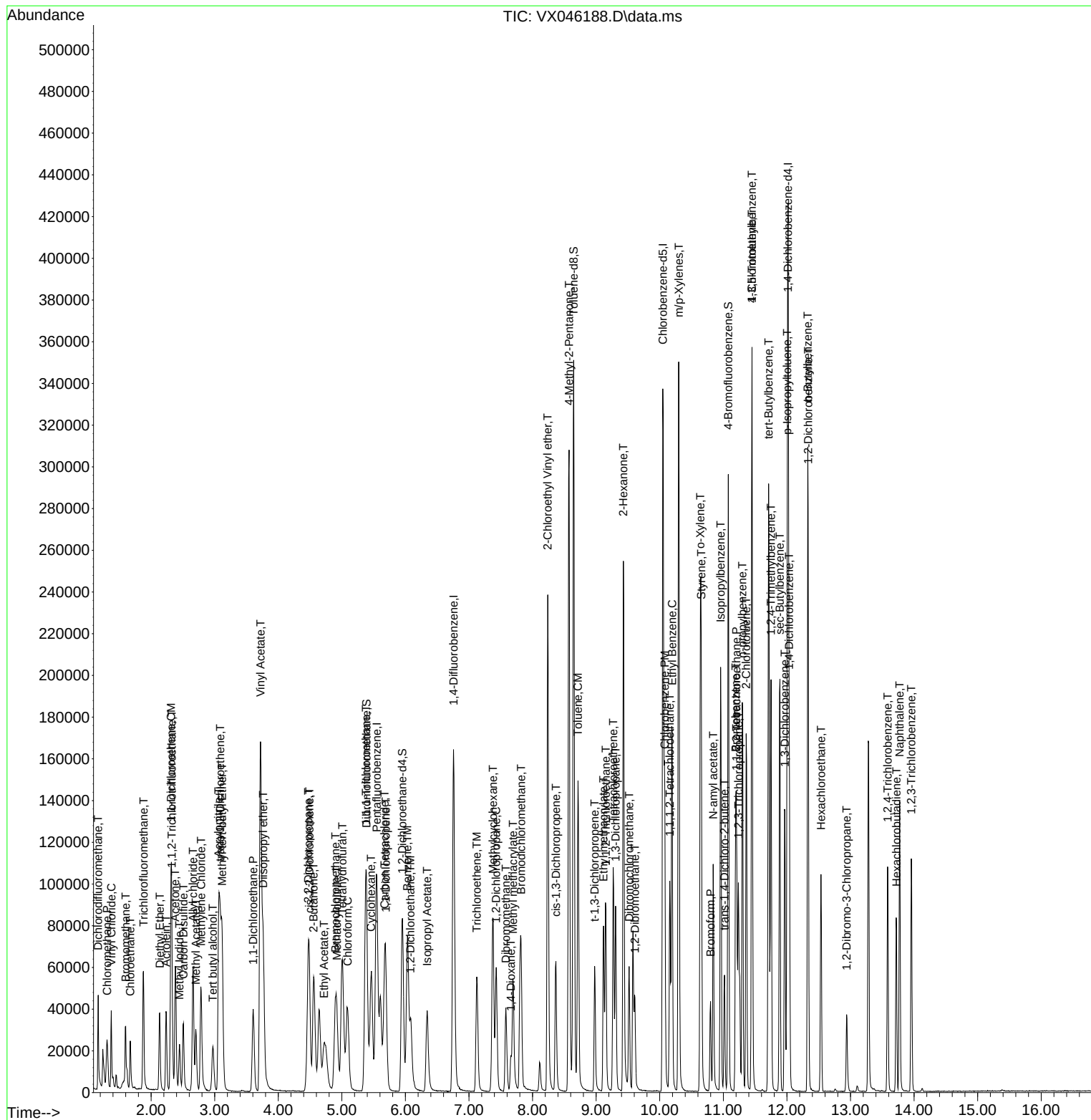
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Hillside		Date Received:	
Client Sample ID:	VX0515WBS01		SDG No.:	Q2018
Lab Sample ID:	VX0515WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046206.D	1		05/15/25 12:11	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	19.5		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.26	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	22.5		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.19	1.00	ug/L
67-66-3	Chloroform	21.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.0		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.7		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Hillside			Date Received:			
Client Sample ID:	VX0515WBS01			SDG No.:	Q2018		
Lab Sample ID:	VX0515WBS01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046206.D	1		05/15/25 12:11	VX051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	20.5		0.15	1.00	ug/L
75-25-2	Bromoform	19.1		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89000	5.544			
540-36-3	1,4-Difluorobenzene	158000	6.757			
3114-55-4	Chlorobenzene-d5	139000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65800	12.018			

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_X\Data\VX051525\
 Data File : VX046206.D
 Acq On : 15 May 2025 12:11
 Operator : JC/MD
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
 Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 01:03:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	89041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84109	50.668	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.340%			
35) Dibromofluoromethane	5.379	113	56861	50.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	8.647	98	195401	49.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.360%			
62) 4-Bromofluorobenzene	11.079	95	73760	48.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27470	20.157	ug/l	99
3) Chloromethane	1.307	50	25723	19.463	ug/l	96
4) Vinyl Chloride	1.374	62	23543	19.141	ug/l	97
5) Bromomethane	1.599	94	10767	18.873	ug/l	96
6) Chloroethane	1.672	64	14786	22.518	ug/l	100
7) Trichlorofluoromethane	1.880	101	37119	20.419	ug/l	97
8) Diethyl Ether	2.136	74	11989	19.374	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	22373	19.888	ug/l	98
10) Methyl Iodide	2.447	142	22577	16.961	ug/l	98
11) Tert butyl alcohol	2.971	59	23531	100.985	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20102	19.040	ug/l	98
13) Acrolein	2.233	56	27834	104.889	ug/l	100
14) Allyl chloride	2.660	41	40941	20.290	ug/l	97
15) Acrylonitrile	3.062	53	69714	104.630	ug/l	98
16) Acetone	2.380	43	68020	102.196	ug/l	96
17) Carbon Disulfide	2.508	76	41692	16.656	ug/l	98
18) Methyl Acetate	2.703	43	35065	22.703	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73662	19.900	ug/l	100
20) Methylene Chloride	2.788	84	24253	19.015	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20717	19.512	ug/l	97
22) Diisopropyl ether	3.763	45	79562	20.412	ug/l	99
23) Vinyl Acetate	3.721	43	343271	100.132	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43853	20.200	ug/l	98
25) 2-Butanone	4.556	43	102563	106.141	ug/l	100
26) 2,2-Dichloropropane	4.471	77	31325	18.435	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	25770	20.161	ug/l	98
28) Bromochloromethane	4.897	49	23586	22.571	ug/l	100
29) Tetrahydrofuran	5.007	42	64418	106.388	ug/l	98
30) Chloroform	5.086	83	47424	20.958	ug/l	95
31) Cyclohexane	5.464	56	37793	19.104	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	39621	20.199	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29760	19.489	ug/l	99
37) Ethyl Acetate	4.715	43	34932	18.516	ug/l	99
38) Carbon Tetrachloride	5.678	117	33518	19.536	ug/l	99
39) Methylcyclohexane	7.373	83	36070	18.348	ug/l	99
40) Benzene	6.031	78	89803	20.078	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046206.D
 Acq On : 15 May 2025 12:11
 Operator : JC/MD
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
 Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 01:03:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21586	21.872	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39713	20.573	ug/l	99
43) Isopropyl Acetate	6.336	43	57206	19.876	ug/l	99
44) Trichloroethene	7.123	130	20736	19.262	ug/l	92
45) 1,2-Dichloropropane	7.427	63	23243	20.899	ug/l	97
46) Dibromomethane	7.580	93	17546	20.003	ug/l	99
47) Bromodichloromethane	7.818	83	35604	20.608	ug/l	98
48) Methyl methacrylate	7.696	41	30612	20.826	ug/l	98
49) 1,4-Dioxane	7.659	88	12334	441.933	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	203636	106.590	ug/l	98
52) Toluene	8.714	92	54833	19.993	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28369	18.474	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	33050	19.473	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	22364	20.680	ug/l	99
56) Ethyl methacrylate	9.116	69	34197	19.841	ug/l	96
57) 1,3-Dichloropropane	9.305	76	40187	20.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	77611	88.326	ug/l	99
59) 2-Hexanone	9.427	43	152217	107.694	ug/l	99
60) Dibromochloromethane	9.519	129	24617	20.728	ug/l	100
61) 1,2-Dibromoethane	9.604	107	22982	20.447	ug/l	98
64) Tetrachloroethene	9.269	164	19195	19.467	ug/l	94
65) Chlorobenzene	10.079	112	59541	19.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20659	19.834	ug/l	99
67) Ethyl Benzene	10.189	91	106589	19.824	ug/l	98
68) m/p-Xylenes	10.299	106	77543	39.431	ug/l	96
69) o-Xylene	10.640	106	38896	20.288	ug/l	99
70) Styrene	10.652	104	64413	20.510	ug/l	99
71) Bromoform	10.799	173	14962	19.133	ug/l #	97
73) Isopropylbenzene	10.957	105	102905	20.095	ug/l	100
74) N-amyl acetate	10.841	43	49890	19.716	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35452	19.755	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31296m	19.767	ug/l	
77) Bromobenzene	11.195	156	23828	20.042	ug/l	99
78) n-propylbenzene	11.299	91	116803	19.617	ug/l	100
79) 2-Chlorotoluene	11.360	91	75590	19.682	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	87288	20.403	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8314	17.096	ug/l	90
82) 4-Chlorotoluene	11.451	91	85228	20.011	ug/l	99
83) tert-Butylbenzene	11.713	119	84725	19.661	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.209	ug/l	98
85) sec-Butylbenzene	11.890	105	104859	19.818	ug/l	99
86) p-Isopropyltoluene	12.006	119	85808	19.647	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42774	19.714	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	42819	19.324	ug/l	98
89) n-Butylbenzene	12.329	91	70768	18.472	ug/l	98
90) Hexachloroethane	12.536	117	15473	20.109	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	44184	20.293	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7925	19.934	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22339	17.863	ug/l	98
94) Hexachlorobutadiene	13.725	225	10065	18.428	ug/l	97
95) Naphthalene	13.774	128	81743	17.822	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23429	18.157	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 01:03:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

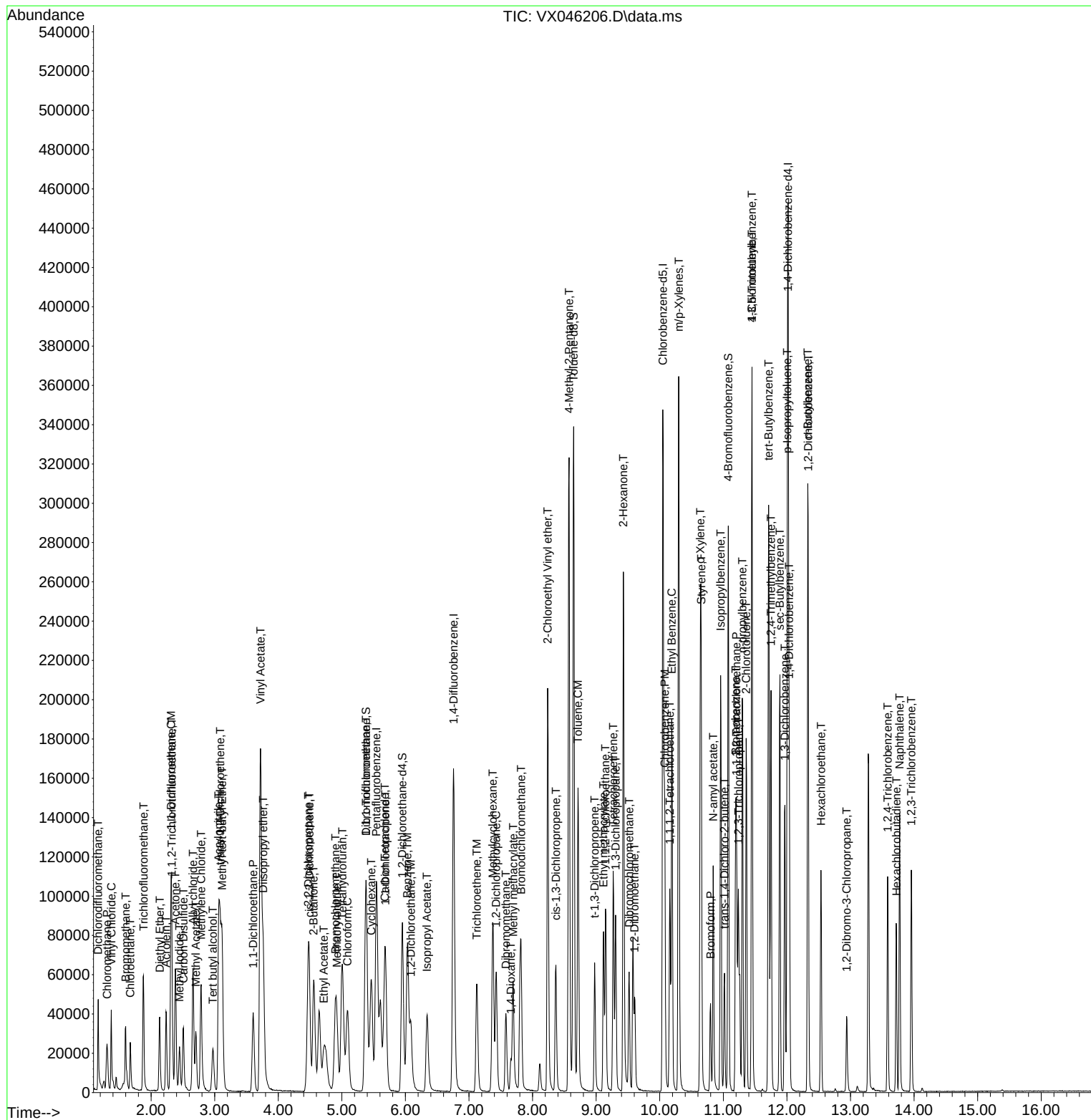
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
Data File : VX046206.D
Acq On : 15 May 2025 12:11
Operator : JC/MD
Sample : VX0515WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 05/16/2025
Supervised By :Mahesh Dadoda 05/16/2025

Quant Time: May 16 01:03:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Hillside		Date Received:	
Client Sample ID:	VX0513WBSD01		SDG No.:	Q2018
Lab Sample ID:	VX0513WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046159.D	1		05/13/25 12:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	18.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	5.00	ug/L
75-00-3	Chloroethane	19.3		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.19	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.0		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Hillside			Date Received:			
Client Sample ID:	VX0513WBSD01			SDG No.:	Q2018		
Lab Sample ID:	VX0513WBSD01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046159.D	1		05/13/25 12:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	20.4		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	85900	5.544			
540-36-3	1,4-Difluorobenzene	149000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62800	12.018			

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_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	85900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83530	52.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	55657	51.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	8.647	98	189645	51.093	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.079	95	71708	50.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26333	20.029	ug/l	97
3) Chloromethane	1.307	50	24042	18.857	ug/l	100
4) Vinyl Chloride	1.374	62	21437	18.066	ug/l	95
5) Bromomethane	1.593	94	10258	18.638	ug/l	98
6) Chloroethane	1.673	64	12211	19.276	ug/l	98
7) Trichlorofluoromethane	1.874	101	34674	19.772	ug/l	97
8) Diethyl Ether	2.130	74	11281	18.896	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	21170	19.506	ug/l	97
10) Methyl Iodide	2.447	142	23145	18.023	ug/l	99
11) Tert butyl alcohol	2.971	59	23851	106.101	ug/l	97
12) 1,1-Dichloroethene	2.313	96	19116	18.768	ug/l	94
13) Acrolein	2.233	56	32527	127.055	ug/l	99
14) Allyl chloride	2.660	41	38833	19.949	ug/l	95
15) Acrylonitrile	3.063	53	67894	105.624	ug/l	98
16) Acetone	2.380	43	64723	100.798	ug/l	99
17) Carbon Disulfide	2.502	76	41110	17.024	ug/l	99
18) Methyl Acetate	2.703	43	34029	22.838	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72402	20.275	ug/l	98
20) Methylene Chloride	2.782	84	23309	18.943	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19707	19.239	ug/l	99
22) Diisopropyl ether	3.757	45	77790	20.687	ug/l	96
23) Vinyl Acetate	3.721	43	337558	102.066	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41906	20.009	ug/l	97
25) 2-Butanone	4.556	43	98733	105.914	ug/l	99
26) 2,2-Dichloropropane	4.471	77	29241	17.838	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24645	19.986	ug/l	95
28) Bromochloromethane	4.891	49	22737	22.554	ug/l	99
29) Tetrahydrofuran	5.001	42	61576	105.413	ug/l	99
30) Chloroform	5.087	83	44545	20.406	ug/l	100
31) Cyclohexane	5.465	56	35538	18.621	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	36768	19.430	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27449	19.050	ug/l	100
37) Ethyl Acetate	4.715	43	34602	19.437	ug/l	99
38) Carbon Tetrachloride	5.672	117	32251	19.921	ug/l	99
39) Methylcyclohexane	7.373	83	34728	18.721	ug/l	100
40) Benzene	6.031	78	83414	19.764	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20127	21.613	ug/l	98
42) 1,2-Dichloroethane	6.086	62	37930	20.823	ug/l	99
43) Isopropyl Acetate	6.336	43	57246	21.079	ug/l	99
44) Trichloroethene	7.123	130	20302	19.986	ug/l	96
45) 1,2-Dichloropropane	7.428	63	21721	20.698	ug/l	96
46) Dibromomethane	7.574	93	16962	20.493	ug/l	99
47) Bromodichloromethane	7.818	83	34070	20.899	ug/l	98
48) Methyl methacrylate	7.690	41	29406	21.201	ug/l	100
49) 1,4-Dioxane	7.659	88	12374	469.866	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	197185	109.382	ug/l	97
52) Toluene	8.714	92	51663	19.963	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28906	19.949	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32044	20.008	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22162	21.718	ug/l	97
56) Ethyl methacrylate	9.116	69	33264	20.453	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37593	20.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	97562	117.667	ug/l	99
59) 2-Hexanone	9.427	43	145866	109.368	ug/l	100
60) Dibromochloromethane	9.519	129	23819	21.254	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22449	21.167	ug/l	98
64) Tetrachloroethene	9.269	164	18495	19.655	ug/l	96
65) Chlorobenzene	10.073	112	55958	19.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19893	20.013	ug/l	99
67) Ethyl Benzene	10.189	91	100095	19.507	ug/l	99
68) m/p-Xylenes	10.299	106	73737	39.291	ug/l	98
69) o-Xylene	10.640	106	36239	19.807	ug/l	94
70) Styrene	10.653	104	61258	20.439	ug/l	100
71) Bromoform	10.799	173	14006	18.768	ug/l #	93
73) Isopropylbenzene	10.957	105	97798	19.994	ug/l	98
74) N-amyl acetate	10.842	43	47972	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34938	20.383	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30000m	19.838	ug/l	
77) Bromobenzene	11.195	156	22489	19.804	ug/l	97
78) n-propylbenzene	11.299	91	111007	19.518	ug/l	99
79) 2-Chlorotoluene	11.360	91	71888	19.597	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82240	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7887	16.979	ug/l	90
82) 4-Chlorotoluene	11.451	91	80816	19.866	ug/l	100
83) tert-Butylbenzene	11.713	119	81357	19.766	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	82574	19.954	ug/l	99
85) sec-Butylbenzene	11.890	105	100674	19.920	ug/l	99
86) p-Isopropyltoluene	12.006	119	81909	19.635	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41082	19.823	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41194	19.463	ug/l	97
89) n-Butylbenzene	12.329	91	69953	19.117	ug/l	99
90) Hexachloroethane	12.536	117	13872	18.875	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41720	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7859	20.697	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22710	19.012	ug/l	99
94) Hexachlorobutadiene	13.719	225	10037	19.240	ug/l	97
95) Naphthalene	13.774	128	83339	19.023	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23424	19.005	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046159.D
Acq On : 13 May 2025 12:28
Operator : JC/MD
Sample : VX0513WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

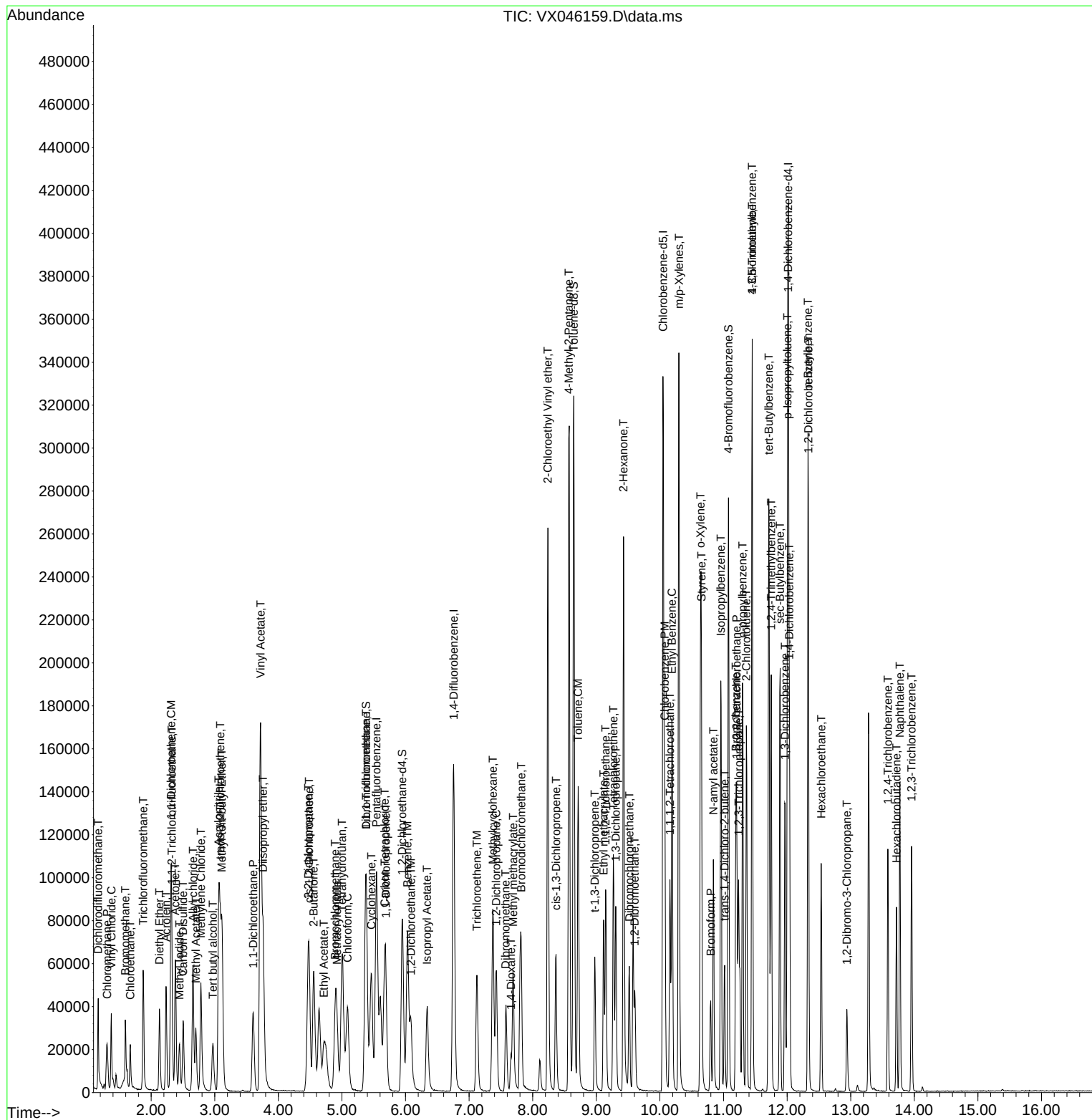
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046159.D
Acq On : 13 May 2025 12:28
Operator : JC/MD
Sample : VX0513WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX050525

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

VX051325

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046153.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:44 AM	MMDadoda	5/14/2025 12:35:41 PM	Peak Integrated by Software
VX0513WBS01	VX046158.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:49 AM	MMDadoda	5/14/2025 12:35:43 PM	Peak Integrated by Software
VX0513WBSD01	VX046159.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:53 AM	MMDadoda	5/14/2025 12:35:44 PM	Peak Integrated by Software
VSTDCCC050	VX046179.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:50:11 AM	MMDadoda	5/14/2025 12:35:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX051425

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046181.D	1,2,3-Trichloropropane	JOHN	5/15/2025 9:25:22 AM	MMDadoda	5/15/2025 2:31:58 PM	Peak Integrated by Software
VX0514WBS01	VX046188.D	1,2,3-Trichloropropane	JOHN	5/15/2025 9:25:27 AM	MMDadoda	5/15/2025 2:31:59 PM	Peak Integrated by Software
VSTDCCC050	VX046198.D	1,2,3-Trichloropropane	JOHN	5/15/2025 9:25:35 AM	MMDadoda	5/15/2025 2:32:02 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX051525

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046200.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:42 AM	MMDadoda	5/16/2025 11:49:28 AM	Peak Integrated by Software
VX0515WBS01	VX046206.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:44 AM	MMDadoda	5/16/2025 11:49:29 AM	Peak Integrated by Software
VSTDCCC050	VX046226.D	1,2,3-Trichloropropane	sam	5/16/2025 8:30:49 AM	MMDadoda	5/16/2025 11:49:32 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133811		
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP133838		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDIC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDIC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDIC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDIC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDIC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDIC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDIC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDIC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046152.D	13 May 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX046153.D	13 May 2025 10:00	JC/MD	Ok,M
3	VX0513MBL01	VX046154.D	13 May 2025 10:29	JC/MD	Ok
4	VX0513WBL01	VX046155.D	13 May 2025 10:52	JC/MD	Ok
5	Q1993-08	VX046156.D	13 May 2025 11:16	JC/MD	Ok
6	Q1993-09	VX046157.D	13 May 2025 11:39	JC/MD	Ok
7	VX0513WBS01	VX046158.D	13 May 2025 12:02	JC/MD	Ok,M
8	VX0513WBSD01	VX046159.D	13 May 2025 12:28	JC/MD	Ok,M
9	Q2013-02	VX046160.D	13 May 2025 12:51	JC/MD	Ok
10	Q2013-03	VX046161.D	13 May 2025 13:15	JC/MD	Ok
11	Q2013-01	VX046162.D	13 May 2025 13:38	JC/MD	Ok
12	Q2001-01	VX046163.D	13 May 2025 14:01	JC/MD	Ok
13	Q2001-05	VX046164.D	13 May 2025 14:25	JC/MD	Dilution
14	Q2001-09	VX046165.D	13 May 2025 14:48	JC/MD	Dilution
15	Q2001-13	VX046166.D	13 May 2025 15:11	JC/MD	Dilution
16	IBLK	VX046167.D	13 May 2025 15:35	JC/MD	Ok
17	IBLK	VX046168.D	13 May 2025 15:58	JC/MD	Ok
18	Q2007-18	VX046169.D	13 May 2025 16:22	JC/MD	Ok
19	Q2007-24	VX046170.D	13 May 2025 16:45	JC/MD	Ok
20	Q2007-30	VX046171.D	13 May 2025 17:08	JC/MD	Ok
21	Q2007-36	VX046172.D	13 May 2025 17:32	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

22	Q2017-04	VX046173.D	13 May 2025 17:55	JC/MD	Ok
23	Q2017-08	VX046174.D	13 May 2025 18:18	JC/MD	Ok
24	Q2007-06	VX046175.D	13 May 2025 18:42	JC/MD	Ok
25	Q2007-12	VX046176.D	13 May 2025 19:05	JC/MD	Ok
26	Q2018-04	VX046177.D	13 May 2025 19:28	JC/MD	Dilution
27	Q2018-05	VX046178.D	13 May 2025 19:52	JC/MD	Ok
28	VSTDCCC050	VX046179.D	13 May 2025 20:15	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX051425

Review By	John Carlone	Review On	5/15/2025 9:33:33 AM
Supervise By	Maresh Dadoda	Supervise On	5/15/2025 2:32:06 PM
SubDirectory	VX051425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133910		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133911,VP133912		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046180.D	14 May 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX046181.D	14 May 2025 09:59	JC/MD	Ok,M
3	VX0514MBL01	VX046182.D	14 May 2025 10:27	JC/MD	Ok
4	VX0514WBL01	VX046183.D	14 May 2025 10:50	JC/MD	Ok
5	Q1956-09	VX046184.D	14 May 2025 11:13	JC/MD	Ok
6	Q2018-06	VX046185.D	14 May 2025 11:37	JC/MD	ReRun
7	Q2032-11	VX046186.D	14 May 2025 12:00	JC/MD	ReRun
8	Q2032-12	VX046187.D	14 May 2025 12:23	JC/MD	ReRun
9	VX0514WBS01	VX046188.D	14 May 2025 12:46	JC/MD	Ok,M
10	VX0514WBSD01	VX046189.D	14 May 2025 13:12	JC/MD	Ok,M
11	Q2001-05DL	VX046190.D	14 May 2025 13:35	JC/MD	Ok
12	Q2001-09DL	VX046191.D	14 May 2025 13:59	JC/MD	Ok
13	Q2001-13DL	VX046192.D	14 May 2025 14:22	JC/MD	Ok
14	Q2018-04DL	VX046193.D	14 May 2025 14:45	JC/MD	Ok
15	IBLK	VX046194.D	14 May 2025 15:09	JC/MD	Ok
16	Q2033-01	VX046195.D	14 May 2025 15:32	JC/MD	Ok
17	IBLK	VX046196.D	14 May 2025 15:55	JC/MD	Ok
18	Q2043-05	VX046197.D	14 May 2025 16:19	JC/MD	Not Ok
19	VSTDCCC050	VX046198.D	14 May 2025 16:42	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM
Supervise By	Maresh Dadoda	Supervise On	5/16/2025 11:49:40 AM
SubDirectory	VX051525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133928		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133929,VP133930		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046199.D	15 May 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX046200.D	15 May 2025 09:52	JC/MD	Ok,M
3	VX0515MBL01	VX046201.D	15 May 2025 10:15	JC/MD	Ok
4	VX0515WBL01	VX046202.D	15 May 2025 10:38	JC/MD	Ok
5	Q2018-06	VX046203.D	15 May 2025 11:01	JC/MD	Ok
6	Q2032-11	VX046204.D	15 May 2025 11:25	JC/MD	Ok
7	Q2032-12	VX046205.D	15 May 2025 11:48	JC/MD	Ok
8	VX0515WBS01	VX046206.D	15 May 2025 12:11	JC/MD	Ok,M
9	VX0515WBSD01	VX046207.D	15 May 2025 12:38	JC/MD	Ok,M
10	Q2050-02	VX046208.D	15 May 2025 13:01	JC/MD	Ok
11	Q2050-01	VX046209.D	15 May 2025 13:24	JC/MD	Ok
12	Q2050-08	VX046210.D	15 May 2025 13:47	JC/MD	Ok
13	Q2050-03	VX046211.D	15 May 2025 14:11	JC/MD	Ok
14	Q2050-04	VX046212.D	15 May 2025 14:34	JC/MD	Ok
15	Q2050-05	VX046213.D	15 May 2025 14:58	JC/MD	Ok
16	Q2050-06	VX046214.D	15 May 2025 15:21	JC/MD	Ok
17	Q2050-07	VX046215.D	15 May 2025 15:44	JC/MD	Ok
18	Q2050-09	VX046216.D	15 May 2025 16:08	JC/MD	Ok
19	Q2019-04	VX046217.D	15 May 2025 16:31	JC/MD	Ok
20	Q2034-16	VX046218.D	15 May 2025 16:54	JC/MD	Ok
21	Q2034-20	VX046219.D	15 May 2025 17:18	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM
Supervise By	Mahesh Dadoda	Supervise On	5/16/2025 11:49:40 AM
SubDirectory	VX051525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133928		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133929,VP133930		

22	Q2032-09	VX046220.D	15 May 2025 17:41	JC/MD	Ok
23	Q2034-04	VX046221.D	15 May 2025 18:04	JC/MD	Ok
24	Q2034-08	VX046222.D	15 May 2025 18:28	JC/MD	Ok
25	Q2034-12	VX046223.D	15 May 2025 18:51	JC/MD	Ok
26	Q2038-02	VX046224.D	15 May 2025 19:15	JC/MD	Ok
27	Q2043-05	VX046225.D	15 May 2025 19:38	JC/MD	Ok
28	VSTDCCC050	VX046226.D	15 May 2025 20:01	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDIC020	VSTDIC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDIC001	VSTDIC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133901
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046152.D	13 May 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046153.D	13 May 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0513MBL01	VX0513MBL01	VX046154.D	13 May 2025 10:29		JC/MD	Ok
4	VX0513WBL01	VX0513WBL01	VX046155.D	13 May 2025 10:52		JC/MD	Ok
5	Q1993-08	EB-20250508	VX046156.D	13 May 2025 11:16	vial B pH<2 EB	JC/MD	Ok
6	Q1993-09	TB	VX046157.D	13 May 2025 11:39	vial B pH<2 TB	JC/MD	Ok
7	VX0513WBS01	VX0513WBS01	VX046158.D	13 May 2025 12:02		JC/MD	Ok,M
8	VX0513WBSD01	VX0513WBSD01	VX046159.D	13 May 2025 12:28		JC/MD	Ok,M
9	Q2013-02	BP-TT192D2-GW-2025	VX046160.D	13 May 2025 12:51	vial A pH<2	JC/MD	Ok
10	Q2013-03	BP-TT192D1-GW-2025	VX046161.D	13 May 2025 13:15	vial A pH<2	JC/MD	Ok
11	Q2013-01	BP-TB-20250508	VX046162.D	13 May 2025 13:38	vial A pH<2	JC/MD	Ok
12	Q2001-01	WC-A4-03-G	VX046163.D	13 May 2025 14:01	vial A pH#5.0	JC/MD	Ok
13	Q2001-05	WC-A1-05-G	VX046164.D	13 May 2025 14:25	vial A pH#5.0 Need 10X	JC/MD	Dilution
14	Q2001-09	WC-A1-06-G	VX046165.D	13 May 2025 14:48	vial A pH#5.0 Need 20X	JC/MD	Dilution
15	Q2001-13	WC-A1-07-G	VX046166.D	13 May 2025 15:11	vial A pH#5.0 Surrogate Fail;Need 40X	JC/MD	Dilution
16	IBLK	IBLK	VX046167.D	13 May 2025 15:35		JC/MD	Ok
17	IBLK	IBLK	VX046168.D	13 May 2025 15:58		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

18	Q2007-18	OR-636-COMP-12	VX046169.D	13 May 2025 16:22	vial A pH#5.0	JC/MD	Ok
19	Q2007-24	OR-636-COMP-13	VX046170.D	13 May 2025 16:45	vial A pH#5.0	JC/MD	Ok
20	Q2007-30	OR-636-COMP-14	VX046171.D	13 May 2025 17:08	vial A pH#5.0	JC/MD	Ok
21	Q2007-36	OR-636-COMP-15	VX046172.D	13 May 2025 17:32	vial A pH#5.0	JC/MD	Ok
22	Q2017-04	MH-I	VX046173.D	13 May 2025 17:55	vial A pH#5.0	JC/MD	Ok
23	Q2017-08	MH-J	VX046174.D	13 May 2025 18:18	vial A pH#5.0	JC/MD	Ok
24	Q2007-06	OR-636-COMP-10	VX046175.D	13 May 2025 18:42	vial A pH#5.0	JC/MD	Ok
25	Q2007-12	OR-636-COMP-11	VX046176.D	13 May 2025 19:05	vial A pH#5.0	JC/MD	Ok
26	Q2018-04	MW2	VX046177.D	13 May 2025 19:28	vial A pH<2 Need 40X	JC/MD	Dilution
27	Q2018-05	MW3	VX046178.D	13 May 2025 19:52	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX046179.D	13 May 2025 20:15		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051425

Review By	John Carlone	Review On	5/15/2025 9:33:33 AM
Supervise By	Maresh Dadoda	Supervise On	5/15/2025 2:32:06 PM
SubDirectory	VX051425	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133910
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133911,VP133912

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046180.D	14 May 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046181.D	14 May 2025 09:59	pH#Lot#V12668	JC/MD	Ok,M
3	VX0514MBL01	VX0514MBL01	VX046182.D	14 May 2025 10:27		JC/MD	Ok
4	VX0514WBL01	VX0514WBL01	VX046183.D	14 May 2025 10:50		JC/MD	Ok
5	Q1956-09	TB	VX046184.D	14 May 2025 11:13	vial A pH<2 TB	JC/MD	Ok
6	Q2018-06	FB	VX046185.D	14 May 2025 11:37	vial A pH<2 FB;Contamination of tics	JC/MD	ReRun
7	Q2032-11	FB-05132025	VX046186.D	14 May 2025 12:00	vial A pH<2 FB;Contamination of tics	JC/MD	ReRun
8	Q2032-12	TB	VX046187.D	14 May 2025 12:23	vial A pH<2 TB;Contamination of tics	JC/MD	ReRun
9	VX0514WBS01	VX0514WBS01	VX046188.D	14 May 2025 12:46		JC/MD	Ok,M
10	VX0514WBSD01	VX0514WBSD01	VX046189.D	14 May 2025 13:12		JC/MD	Ok,M
11	Q2001-05DL	WC-A1-05-GDL	VX046190.D	14 May 2025 13:35	vial B pH#5.0	JC/MD	Ok
12	Q2001-09DL	WC-A1-06-GDL	VX046191.D	14 May 2025 13:59	vial B pH#5.0	JC/MD	Ok
13	Q2001-13DL	WC-A1-07-GDL	VX046192.D	14 May 2025 14:22	vial B pH#5.0	JC/MD	Ok
14	Q2018-04DL	MW2DL	VX046193.D	14 May 2025 14:45	vial B pH<2	JC/MD	Ok
15	IBLK	IBLK	VX046194.D	14 May 2025 15:09		JC/MD	Ok
16	Q2033-01	TW-WTS-08	VX046195.D	14 May 2025 15:32	vial A pH<2	JC/MD	Ok
17	IBLK	IBLK	VX046196.D	14 May 2025 15:55		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051425

Review By	John Carlone	Review On	5/15/2025 9:33:33 AM
Supervise By	Maresh Dadoda	Supervise On	5/15/2025 2:32:06 PM
SubDirectory	VX051425	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133910
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133911,VP133912

18	Q2043-05	3139	VX046197.D	14 May 2025 16:19	Need Straight Run	JC/MD	Not Ok
19	VSTDCCC050	VSTDCCC050EC	VX046198.D	14 May 2025 16:42		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM
Supervise By	Maresh Dadoda	Supervise On	5/16/2025 11:49:40 AM
SubDirectory	VX051525	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133928
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133929,VP133930

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046199.D	15 May 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046200.D	15 May 2025 09:52	pH#Lot#V12668	JC/MD	Ok,M
3	VX0515MBL01	VX0515MBL01	VX046201.D	15 May 2025 10:15		JC/MD	Ok
4	VX0515WBL01	VX0515WBL01	VX046202.D	15 May 2025 10:38		JC/MD	Ok
5	Q2018-06	FB	VX046203.D	15 May 2025 11:01	vial B pH<2 FB	JC/MD	Ok
6	Q2032-11	FB-05132025	VX046204.D	15 May 2025 11:25	vial B pH<2 FB	JC/MD	Ok
7	Q2032-12	TB	VX046205.D	15 May 2025 11:48	vial B pH<2 TB	JC/MD	Ok
8	VX0515WBS01	VX0515WBS01	VX046206.D	15 May 2025 12:11		JC/MD	Ok,M
9	VX0515WBSD01	VX0515WBSD01	VX046207.D	15 May 2025 12:38		JC/MD	Ok,M
10	Q2050-02	BP-VPB-182-GW-60-62	VX046208.D	15 May 2025 13:01	vial A pH<2	JC/MD	Ok
11	Q2050-01	BP-TB-20250512	VX046209.D	15 May 2025 13:24	vial A pH<2 TB	JC/MD	Ok
12	Q2050-08	BP-VPB-182-EB-20250	VX046210.D	15 May 2025 13:47	vial A pH<2 EB	JC/MD	Ok
13	Q2050-03	BP-VPB-182-GW-100-1	VX046211.D	15 May 2025 14:11	vial A pH<2	JC/MD	Ok
14	Q2050-04	BP-VPB-182-GW-150-1	VX046212.D	15 May 2025 14:34	vial A pH<2	JC/MD	Ok
15	Q2050-05	BP-VPB-182-GW-205-2	VX046213.D	15 May 2025 14:58	vial A pH<2	JC/MD	Ok
16	Q2050-06	BP-VPB-182-GW-220-2	VX046214.D	15 May 2025 15:21	vial A pH<2	JC/MD	Ok
17	Q2050-07	BP-VPB-182-DUP-2025	VX046215.D	15 May 2025 15:44	vial A pH<2	JC/MD	Ok
18	Q2050-09	BP-VPB-182-GW-240-2	VX046216.D	15 May 2025 16:08	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051525

Review By	John Carlone	Review On	5/16/2025 9:22:10 AM
Supervise By	Maresh Dadoda	Supervise On	5/16/2025 11:49:40 AM
SubDirectory	VX051525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133928		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133929,VP133930		

19	Q2019-04	MH-K	VX046217.D	15 May 2025 16:31	vial A pH#5.0	JC/MD	Ok
20	Q2034-16	L3-WC-4	VX046218.D	15 May 2025 16:54	vial A pH#5.0	JC/MD	Ok
21	Q2034-20	L3-WC-5	VX046219.D	15 May 2025 17:18	vial A pH#5.0	JC/MD	Ok
22	Q2032-09	COMP-1	VX046220.D	15 May 2025 17:41	vial A pH#5.0	JC/MD	Ok
23	Q2034-04	L3-WC-1	VX046221.D	15 May 2025 18:04	vial A pH#5.0	JC/MD	Ok
24	Q2034-08	L3-WC-2	VX046222.D	15 May 2025 18:28	vial A pH#5.0	JC/MD	Ok
25	Q2034-12	L3-WC-3	VX046223.D	15 May 2025 18:51	vial A pH#5.0	JC/MD	Ok
26	Q2038-02	72-11991	VX046224.D	15 May 2025 19:15	vial A pH#5.0	JC/MD	Ok
27	Q2043-05	3139	VX046225.D	15 May 2025 19:38	vial A pH<2 sample oily,smelly	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX046226.D	15 May 2025 20:01		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Environmental
ADDRESS: 8 CARRAGE
CITY: Swedesboro STATE: NJ ZIP: 08066
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Hillside
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 CARRAGE
CITY: Swedesboro STATE: NJ ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE) Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data has site Other Excel
☒ EDD FORMAT add NJ DEP S&P

see Vials 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MW 2	GW	X		5/12/25	1200		X										
2.	MW 3	GW	X		5/12/25	1247		X										
3.	FB	Blank			5/12/25			X										
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>MA</u>	DATE/TIME: <u>5/12/25</u>	RECEIVED BY: 1. <u>CL</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>21.1</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <u>Hillside MW2 MW3 FB</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u>ID Gun to</u>

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2018	GENV01	Order Date : 5/12/2025 1:20:00 PM	Project Mgr :
Client Name : G Environmental		Project Name : Hillside	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 5/12/2025 1:24:00 PM	EDD Type : NJ HAZSITE
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2018-04	MW2	Water	05/12/2025	12:00					
					VOCMS Group1		8260-Low	5 Bus. Days	
Q2018-05	MW3	Water	05/12/2025	12:47					
					VOCMS Group1		8260-Low	5 Bus. Days	
Q2018-06	FB	Water	05/12/2025	00:00					
					VOCMS Group1		8260-Low	5 Bus. Days	

Relinquished By : CP

Date / Time : 5/12/25 14:40

Received By : JK

Date / Time : 5/12/25

Storage Area : VOA Refridgerator Room

1440