

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121923\
 Data File : VX039379.D
 Acq On : 19 Dec 2023 23:55
 Operator : JC/MD
 Sample : 05835-18DL 500X
 Misc : 3.34g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 02:22:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:14:00 2023
 Response via : Initial Calibration

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

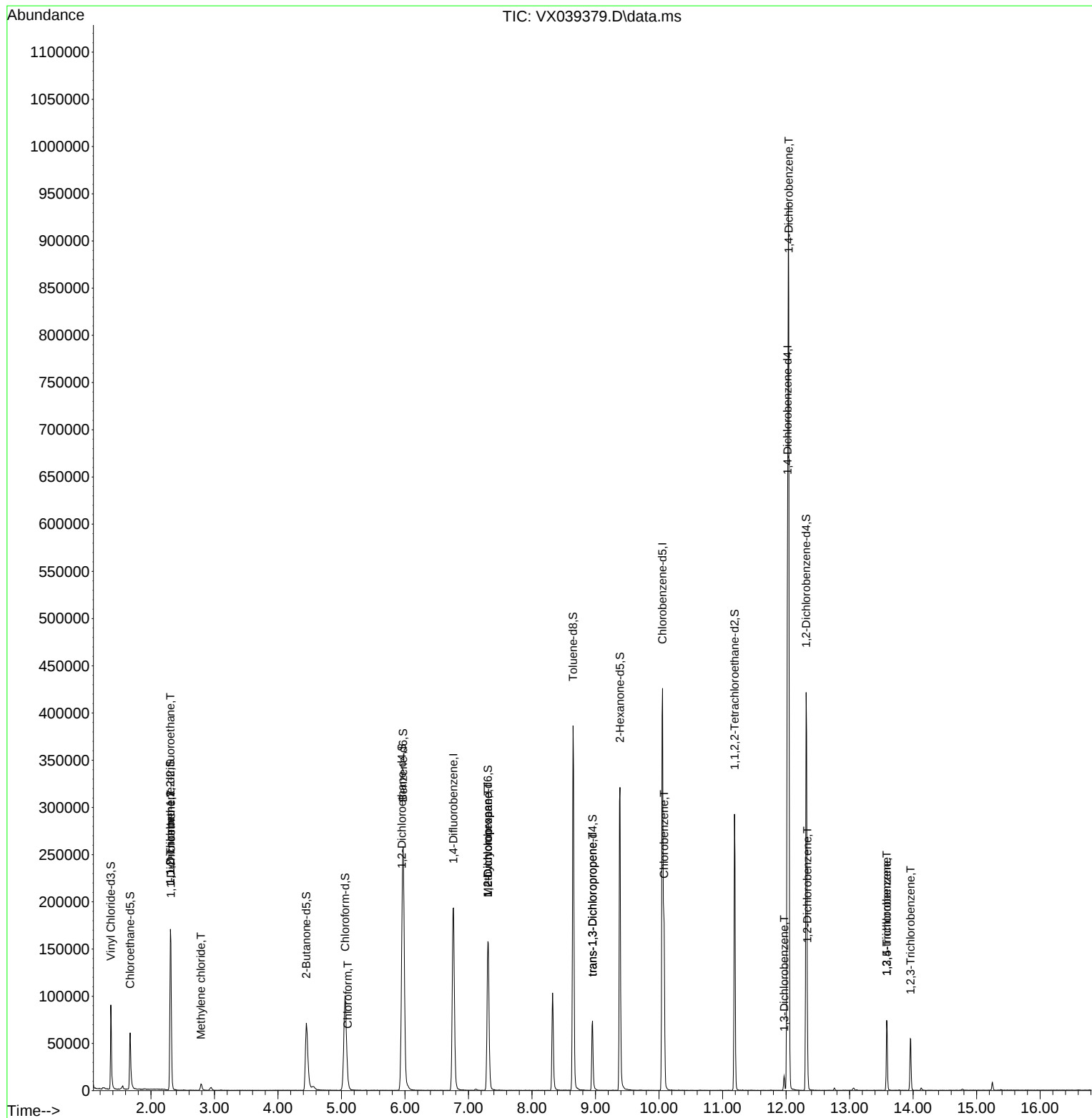
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	188806	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	177342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	86858	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	61193	41.322	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.640%		
7) Chloroethane-d5	1.672	69	46881	42.830	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.660%		
11) 1,1-Dichloroethene-d2	2.306	65	30662	47.168	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.340%		
21) 2-Butanone-d5	4.446	46	124730	93.047	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.050%		
24) Chloroform-d	5.056	84	118173	45.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.160%		
26) 1,2-Dichloroethane-d4	5.952	65	85866	50.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.160%		
32) Benzene-d6	5.970	84	248318	45.370	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.740%		
36) 1,2-Dichloropropane-d6	7.305	67	81519	46.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.560%		
41) Toluene-d8	8.647	98	218987	44.151	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.300%		
43) trans-1,3-Dichloroprop...	8.951	79	33503	37.378	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.760%		
47) 2-Hexanone-d5	9.384	63	89755	85.318	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.320%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	110813	44.349	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.700%		
66) 1,2-Dichlorobenzene-d4	12.317	152	75958	46.266	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.540%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	908	0.702	ug/L #	21
12) 1,1-Dichloroethene	2.312	96	813	0.668	ug/L #	1
16) Methylene chloride	2.788	84	3001	2.147	ug/L	97
25) Chloroform	5.098	83	4864	1.924	ug/L	85
35) Methylcyclohexane	7.305	83	18495	7.456	ug/L #	19
37) 1,2-Dichloropropane	7.305	63	9569	6.122	ug/L #	89
44) trans-1,3-Dichloropropene	8.951	75	1789	0.773	ug/L #	71
51) Chlorobenzene	10.079	112	70434	19.080	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	4236	1.559	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	247904	90.056	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	12969	4.991	ug/L	94
69) 1,3,5-Trichlorobenzene	13.585	180	14306	7.963	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	14306	8.447	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	11271	6.873	ug/L	97

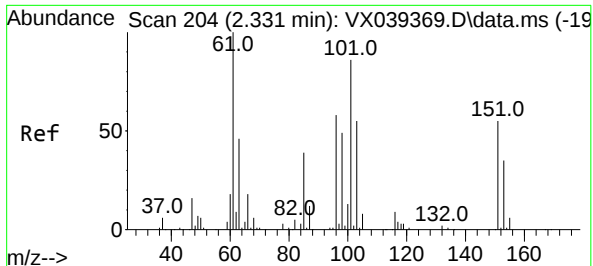
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 20 00:14:00 2023
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.702 ug/L

RT: 2.306 min Scan# 200

Delta R.T. -0.025 min

Lab File: VX039379.D

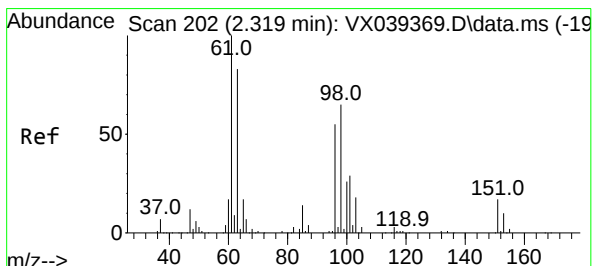
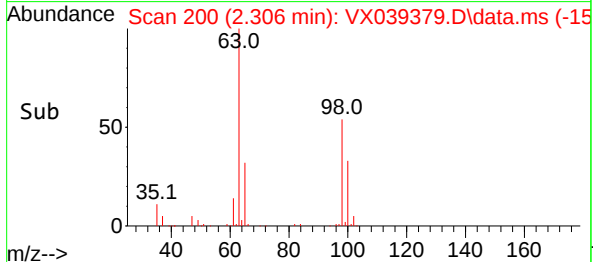
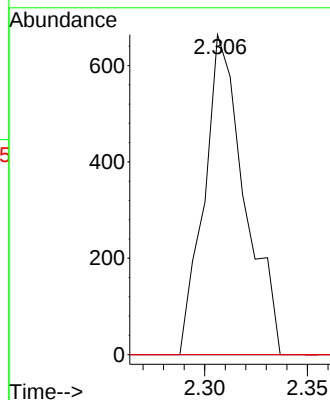
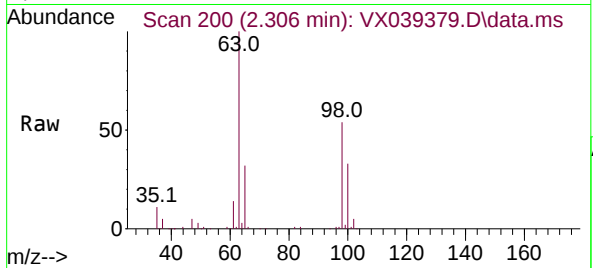
Acq: 19 Dec 2023 23:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:101	Resp:	908
Ion	Ratio	Lower Upper
101	100	
85	0.0	35.8 53.6#
151	0.0	55.4 83.2#



#12

1,1-Dichloroethene

Concen: 0.668 ug/L

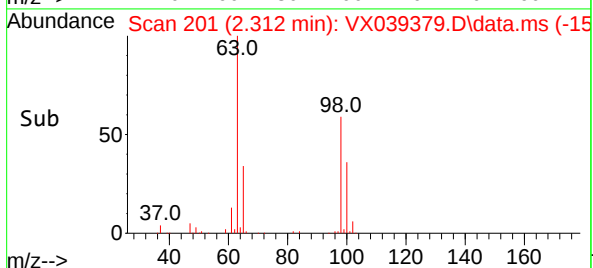
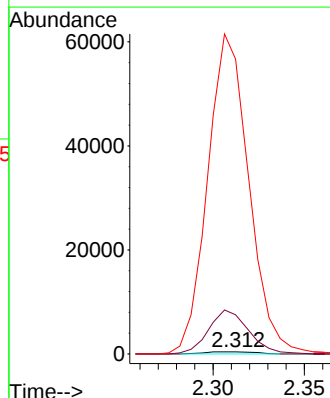
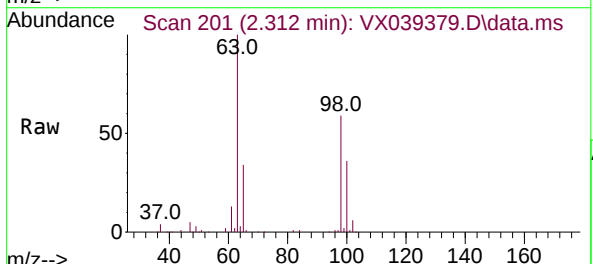
RT: 2.312 min Scan# 201

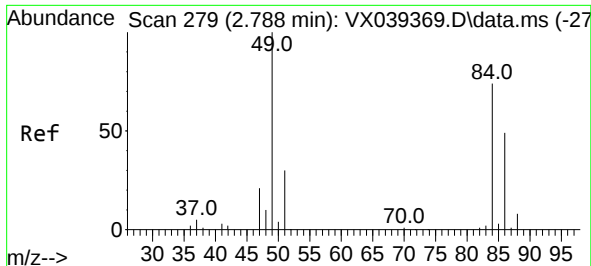
Delta R.T. -0.006 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

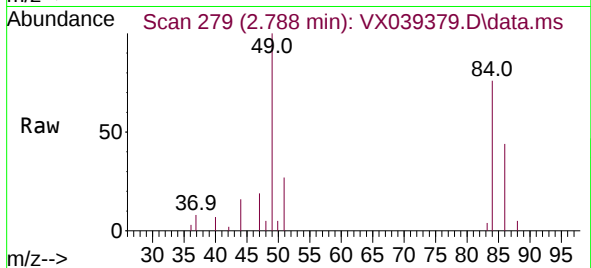
Tgt Ion: 96	Resp:	813
Ion	Ratio	Lower Upper
96	100	
61	1818.1	128.0 237.6#
63	13659.8	101.5 188.5#



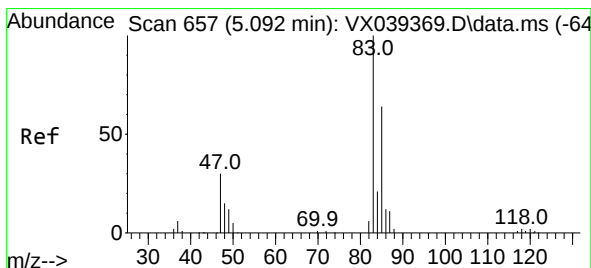
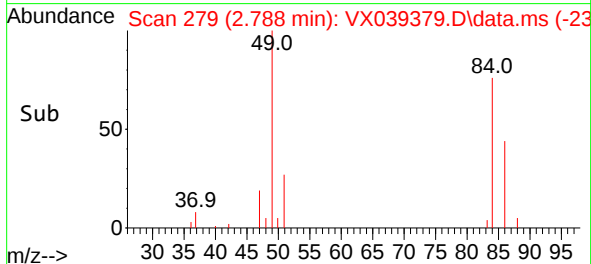
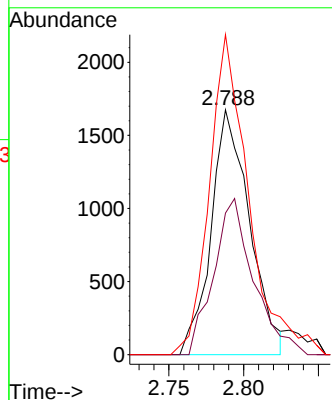


#16
Methylene chloride
Concen: 2.147 ug/L
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

Instrument :
MSVOA_X
ClientSampleId :

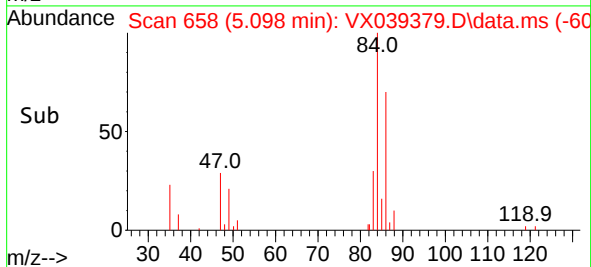
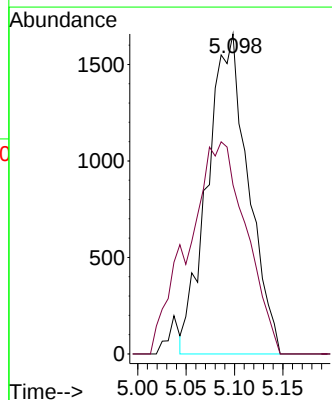
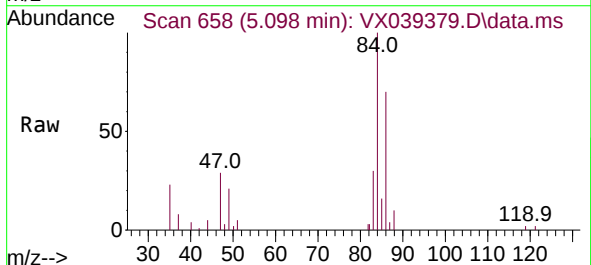


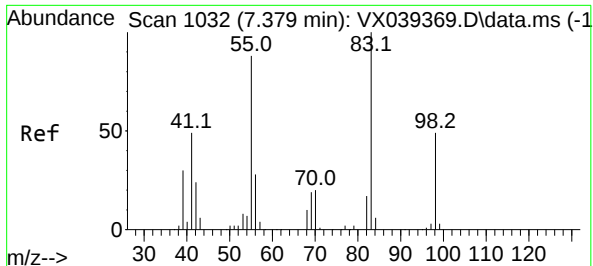
Tgt Ion: 84 Resp: 3001
Ion Ratio Lower Upper
84 100
86 57.9 44.7 82.9
49 130.8 90.9 168.7



#25
Chloroform
Concen: 1.924 ug/L
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

Tgt Ion: 83 Resp: 4864
Ion Ratio Lower Upper
83 100
85 52.8 45.1 83.7





#35

Methylcyclohexane

Concen: 7.456 ug/L

RT: 7.305 min Scan# 1020

Delta R.T. -0.073 min

Lab File: VX039379.D

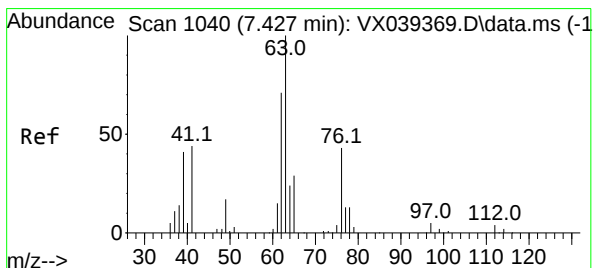
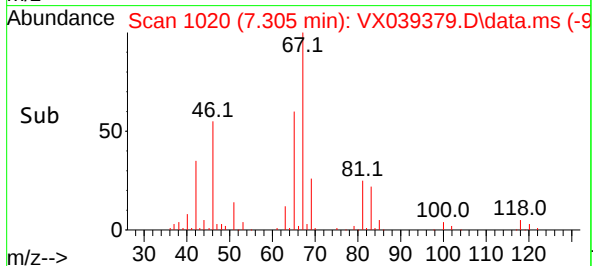
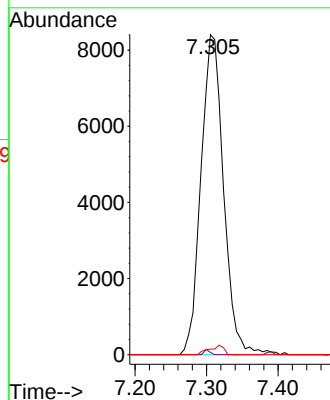
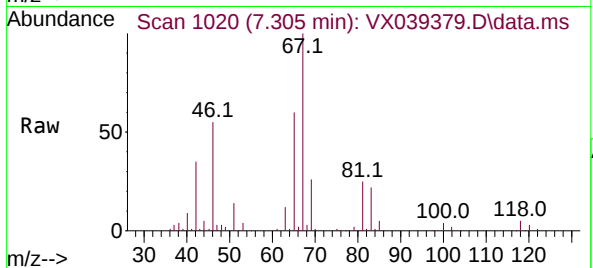
Acq: 19 Dec 2023 23:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 83	Resp: 18495
Ion Ratio	Lower Upper
83 100	
55 0.4	62.5 93.7#
98 0.9	36.1 54.1#



#37

1,2-Dichloropropane

Concen: 6.122 ug/L

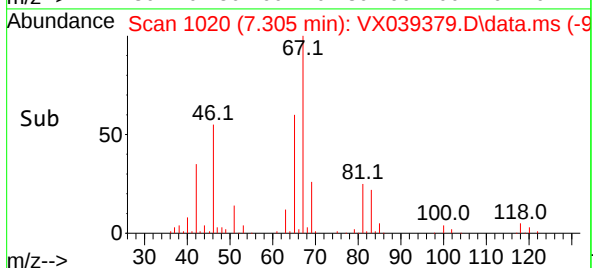
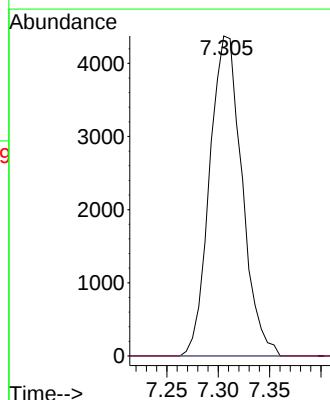
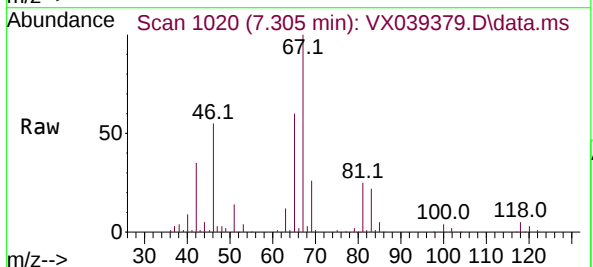
RT: 7.305 min Scan# 1020

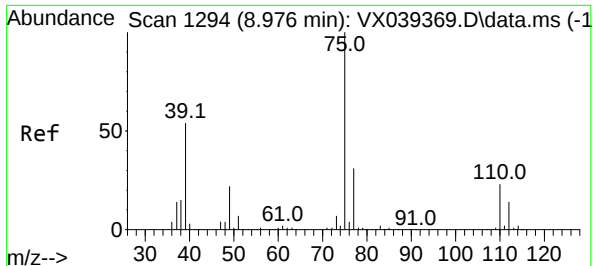
Delta R.T. -0.122 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

Tgt Ion: 63	Resp: 9569
Ion Ratio	Lower Upper
63 100	
112 0.0	2.8 4.2#

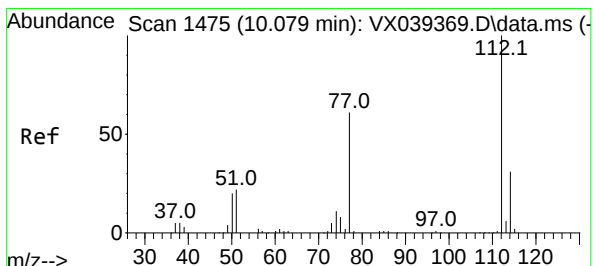
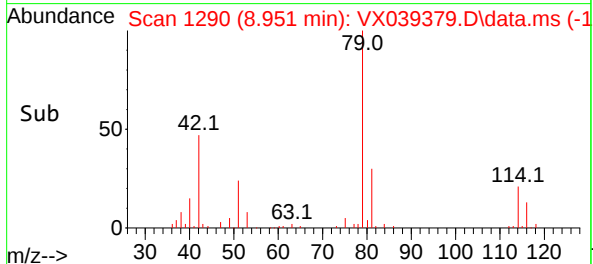
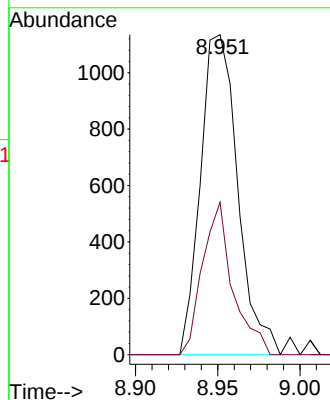
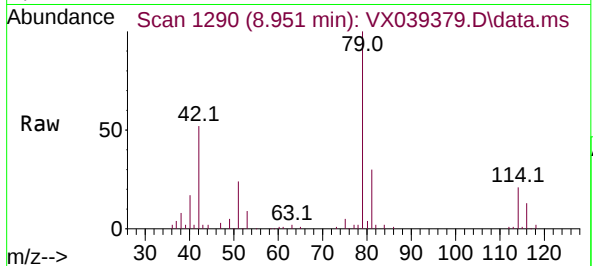




#44
trans-1,3-Dichloropropene
Concen: 0.773 ug/L
RT: 8.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

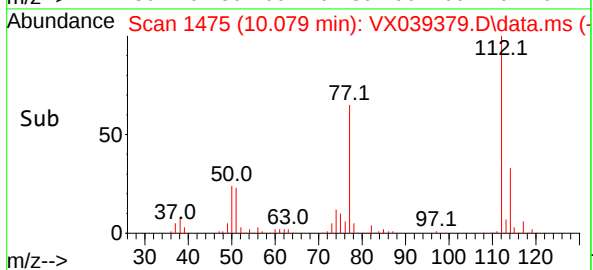
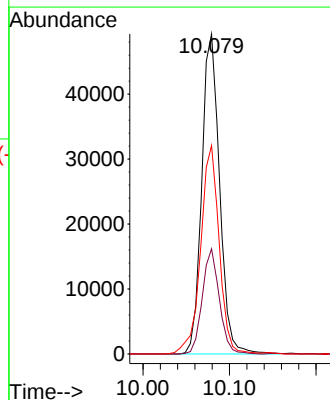
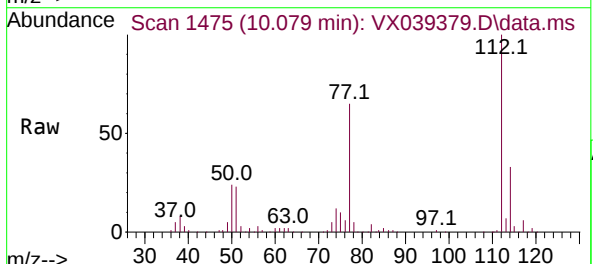
Instrument :
MSVOA_X
ClientSampleId :

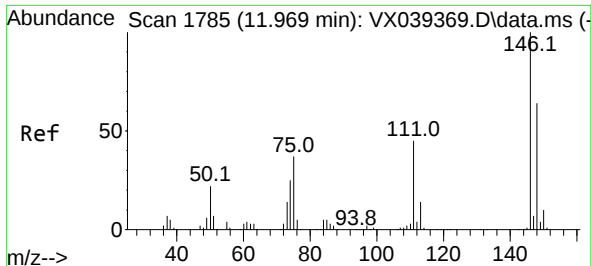
Tgt Ion: 75 Resp: 1789
Ion Ratio Lower Upper
75 100
77 47.7 22.0 40.8#



#51
Chlorobenzene
Concen: 19.080 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

Tgt Ion: 112 Resp: 70434
Ion Ratio Lower Upper
112 100
114 32.9 21.8 40.4
77 65.2 49.0 73.6

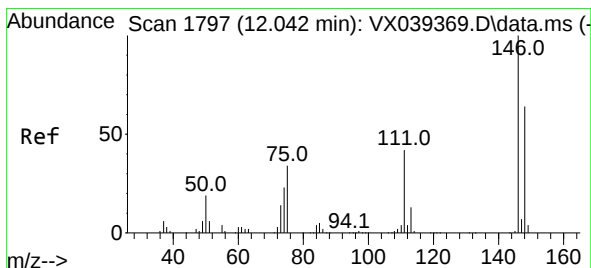
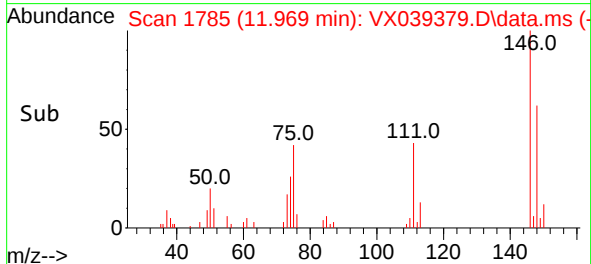
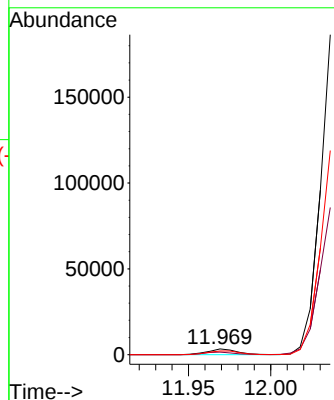
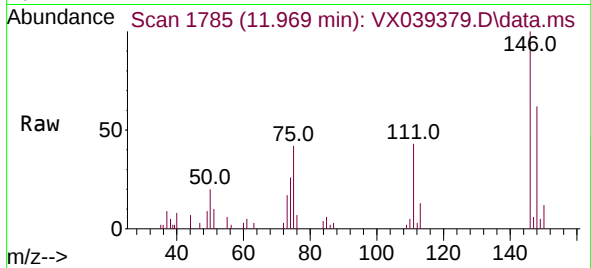




#64
1,3-Dichlorobenzene
Concen: 1.559 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

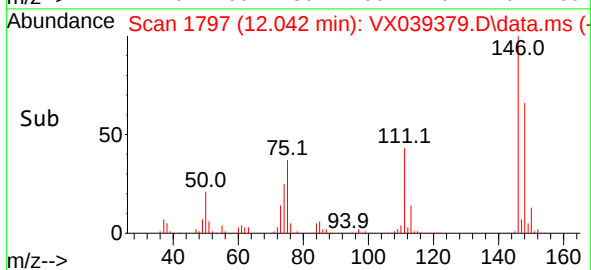
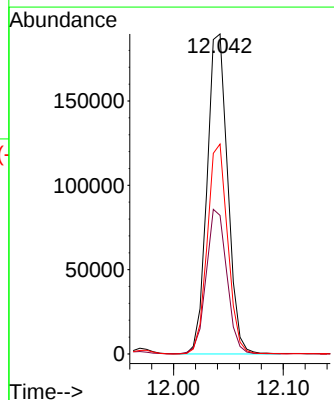
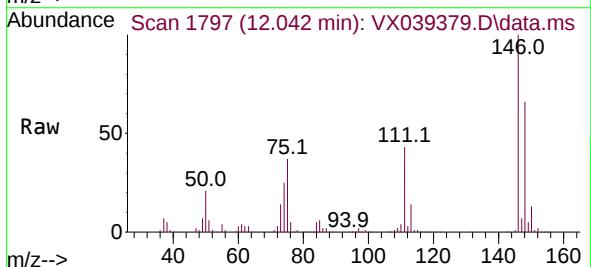
Instrument :
MSVOA_X
ClientSampleId :

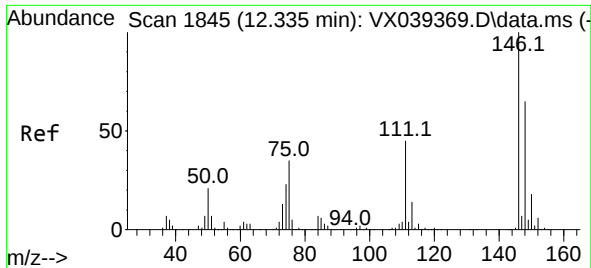
Tgt Ion:146 Resp: 4236
Ion Ratio Lower Upper
146 100
111 43.4 30.0 55.6
148 62.5 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 90.056 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX039379.D
Acq: 19 Dec 2023 23:55

Tgt Ion:146 Resp: 247904
Ion Ratio Lower Upper
146 100
111 43.3 29.7 55.1
148 65.6 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 4.991 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

Instrument :

MSVOA_X

ClientSampleId :

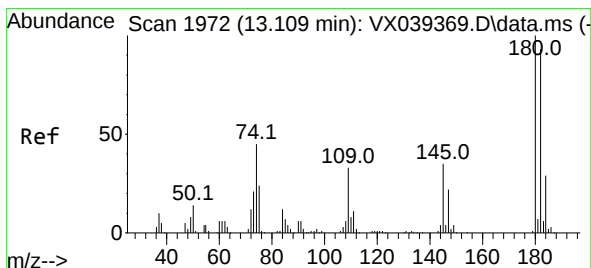
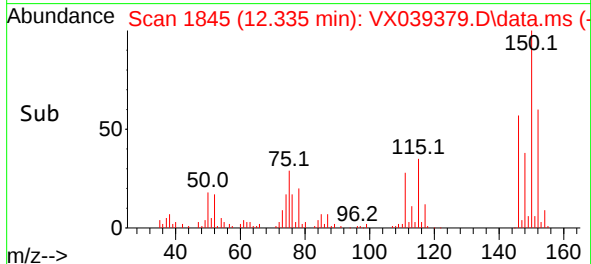
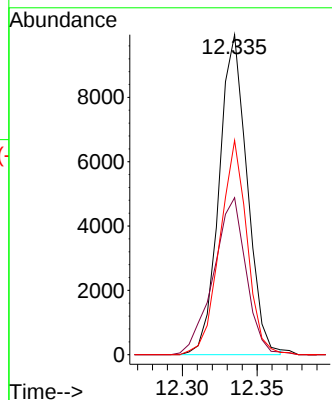
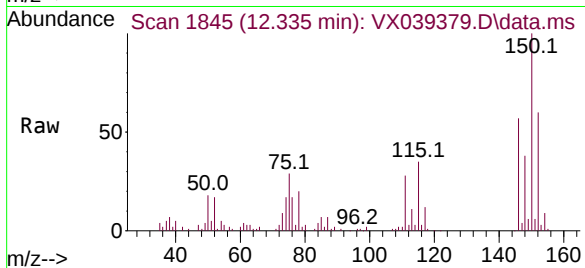
Tgt Ion:146 Resp: 12969

Ion Ratio Lower Upper

146 100

111 49.0 36.4 54.6

148 66.9 50.0 75.0



#69

1,3,5-Trichlorobenzene

Concen: 7.963 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.475 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

Tgt Ion:180 Resp: 14306

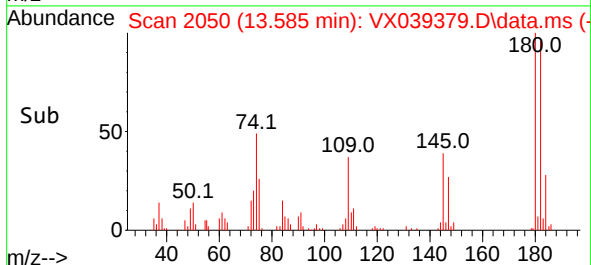
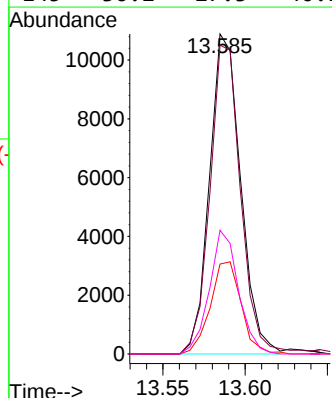
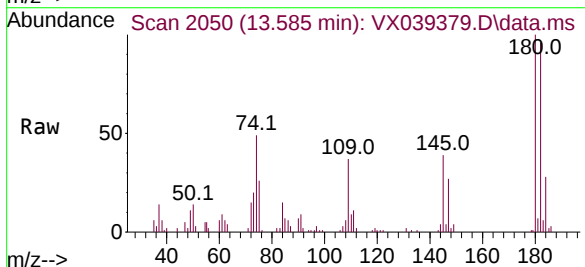
Ion Ratio Lower Upper

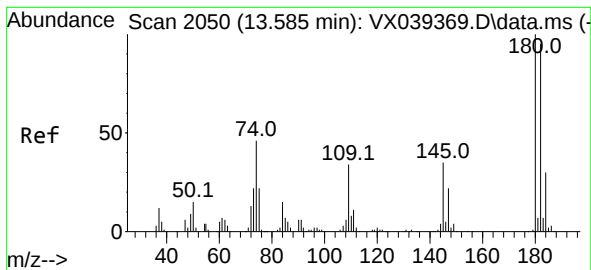
180 100

182 95.6 76.1 114.1

184 28.7 24.1 36.1

145 36.2 27.3 40.9





#70

1,2,4-trichlorobenzene

Concen: 8.447 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

Instrument :

MSVOA_X

ClientSampleId :

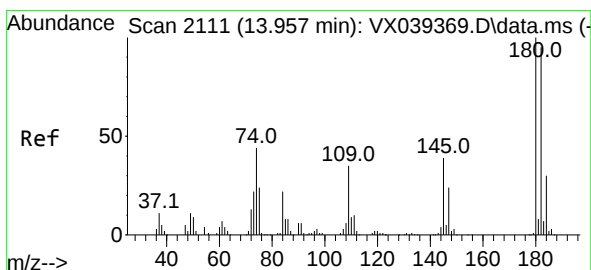
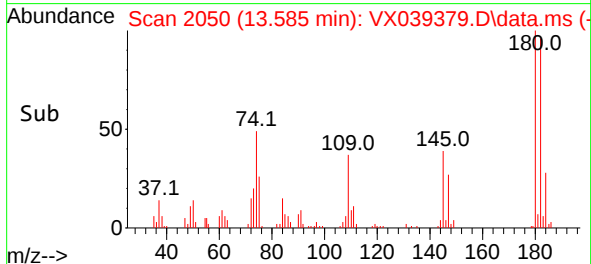
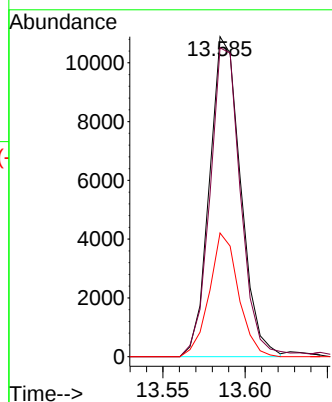
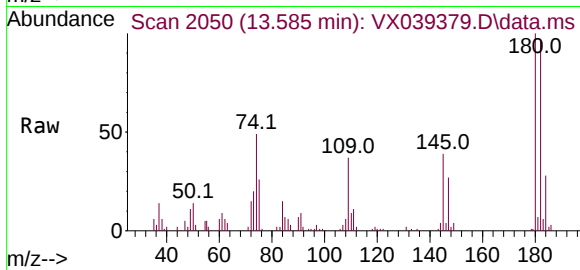
Tgt Ion:180 Resp: 14306

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 36.2 27.8 41.6



#72

1,2,3-Trichlorobenzene

Concen: 6.873 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039379.D

Acq: 19 Dec 2023 23:55

Tgt Ion:180 Resp: 11271

Ion Ratio Lower Upper

180 100

182 97.3 75.9 113.9

145 38.2 28.6 42.8

