

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039210.D
 Acq On : 14 Dec 2023 15:57
 Operator : JC/MD
 Sample : 05829-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:02:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

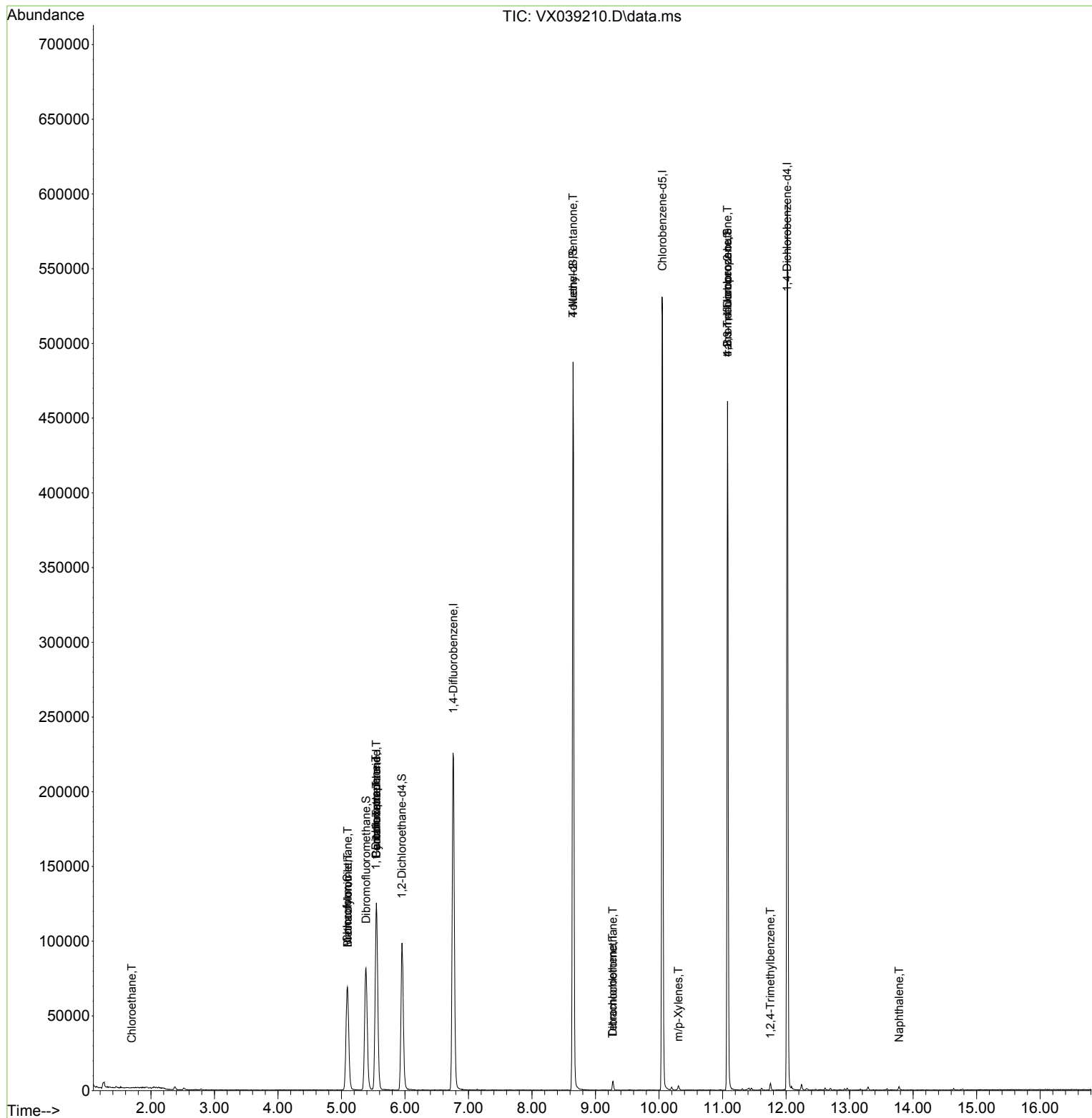
Internal Standards						
1) Pentafluorobenzene	5.550	168	105886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93917	48.417	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.840%
35) Dibromofluoromethane	5.385	113	72334	47.658	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.320%
50) Toluene-d8	8.647	98	277696	49.283	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.560%
62) 4-Bromofluorobenzene	11.079	95	127222	54.722	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.440%
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	215	0.233	ug/l #	57
16) Acetone	2.373	43	2294	Below Cal		98
28) Bromochloromethane	5.099	49	7506	5.420	ug/l #	16
30) Chloroform	5.092	83	82825	29.200	ug/l	98
31) Cyclohexane	5.550	56	3278	1.308	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	10463	4.369	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12409	5.429	ug/l #	13
41) Methacrylonitrile	5.099	41	321	0.203	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	1458	0.476	ug/l #	1
60) Dibromochloromethane	9.275	129	965	0.559	ug/l #	11
64) Tetrachloroethene	9.268	164	894	0.601	ug/l	89
68) m/p-Xylenes	10.305	106	668	0.201	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	70295	23.848	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	70295	67.275	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2577	0.336	ug/l	93
95) Naphthalene	13.780	128	2094	0.251	ug/l #	91

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

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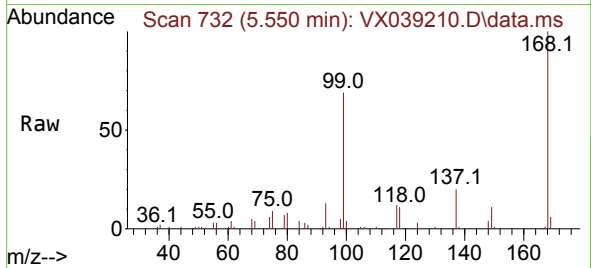


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

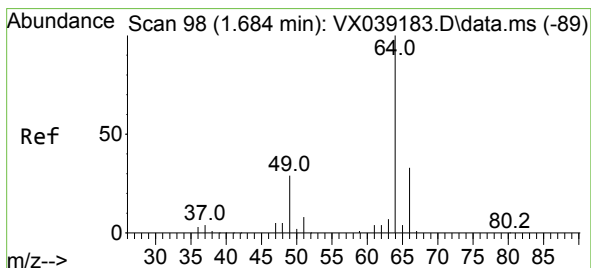
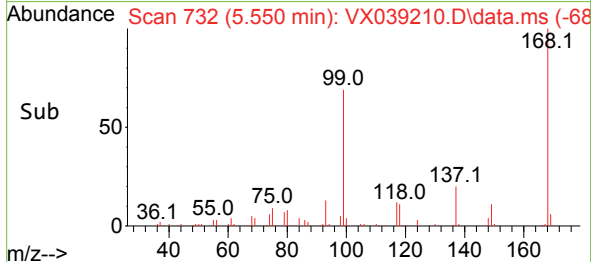
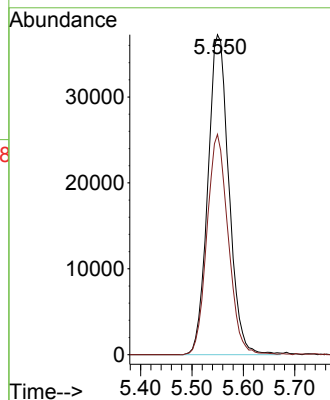
Instrument :

MSVOA_X

ClientSampleId :

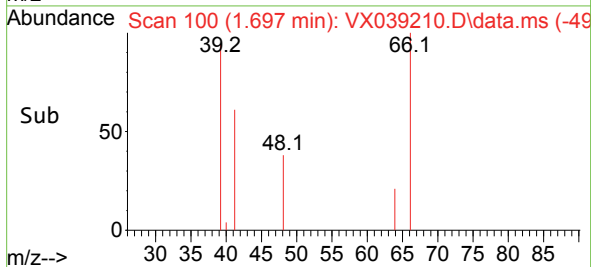
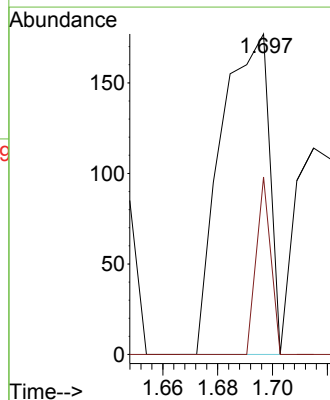
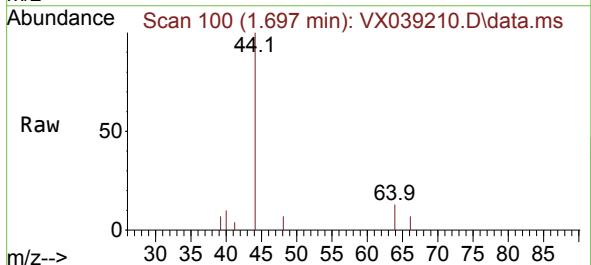


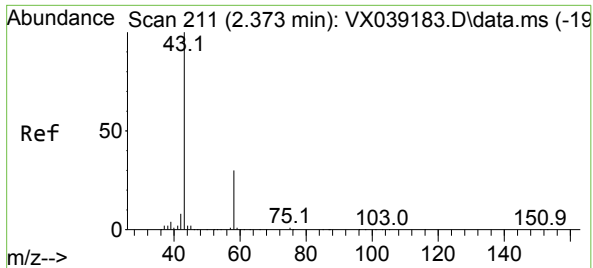
Tgt Ion:168 Resp: 105886
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#6
Chloroethane
Concen: 0.233 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 55.4 25.1 37.7#

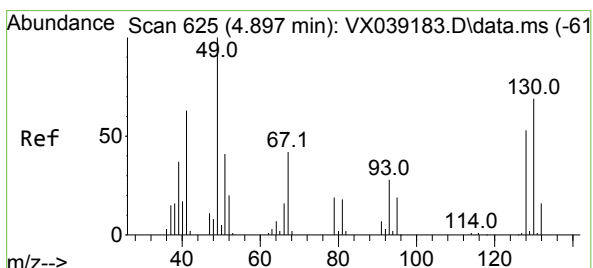
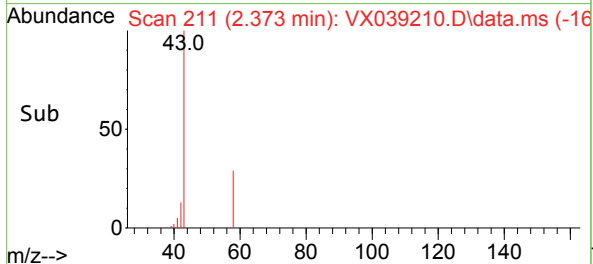
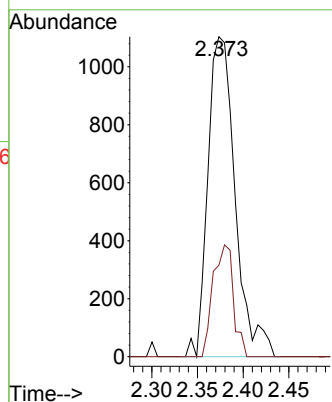
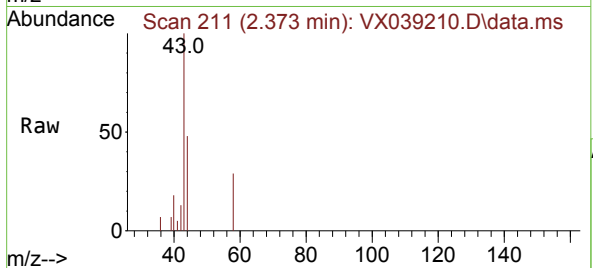




#16
Acetone
Concen: Below Cal
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

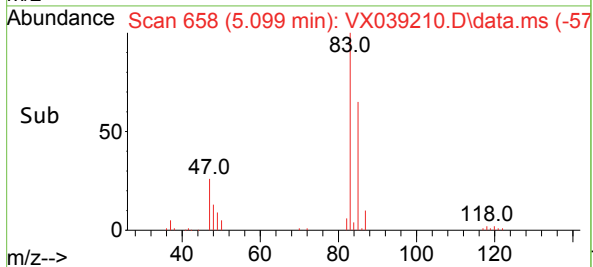
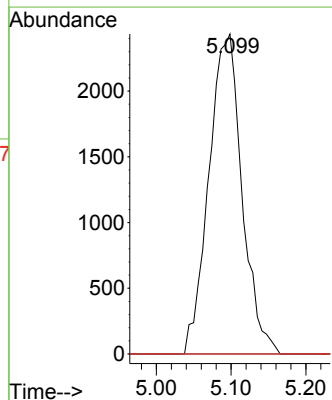
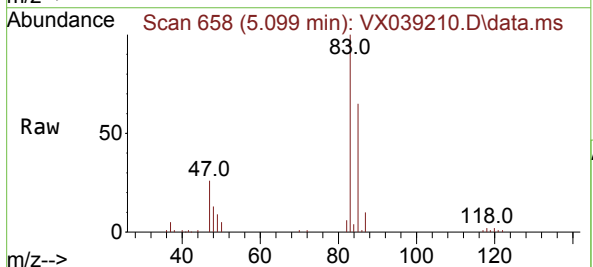
Instrument :
MSVOA_X
ClientSampleId :

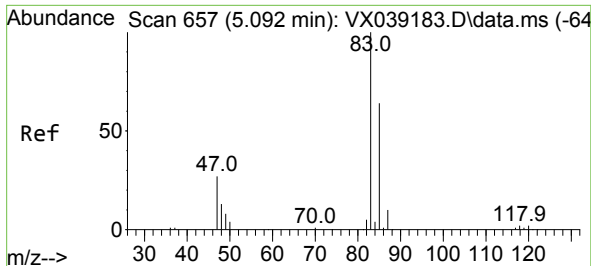
Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9



#28
Bromochloromethane
Concen: 5.420 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.201 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Tgt Ion: 49 Resp: 7506
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#30

Chloroform

Concen: 29.200 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

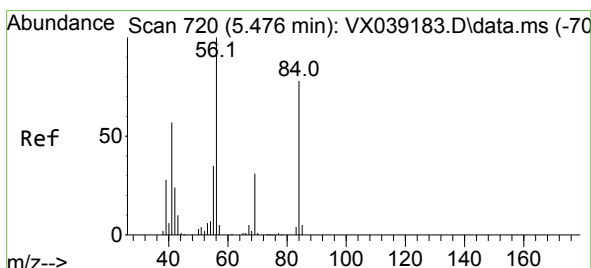
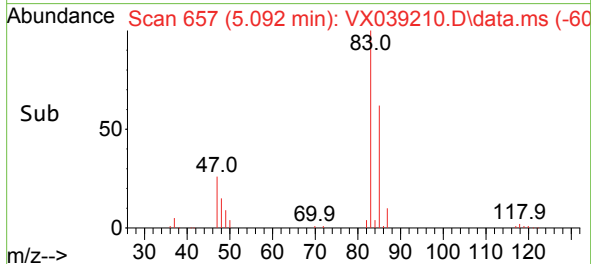
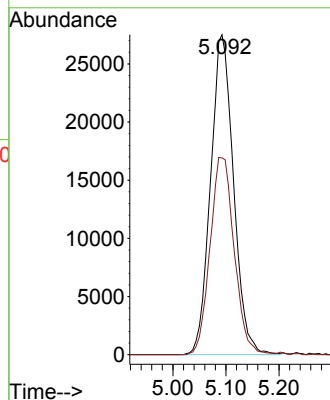
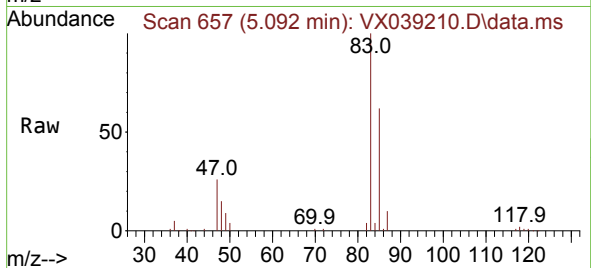
ClientSampleId :

Tgt Ion: 83 Resp: 82825

Ion Ratio Lower Upper

83 100

85 61.5 50.3 75.5



#31

Cyclohexane

Concen: 1.308 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

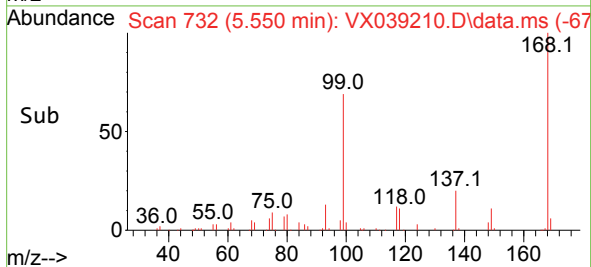
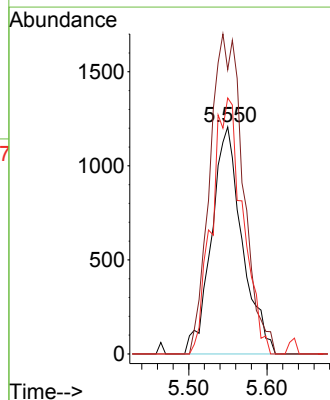
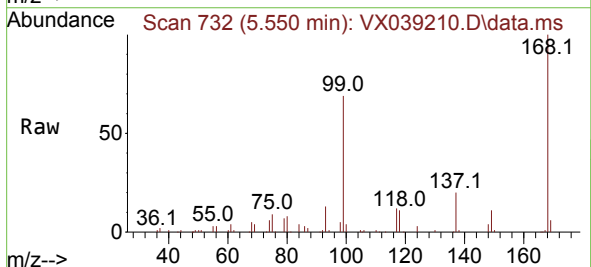
Tgt Ion: 56 Resp: 3278

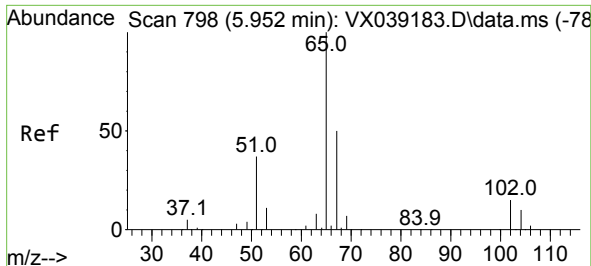
Ion Ratio Lower Upper

56 100

69 125.2 23.4 35.2#

84 112.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.417 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

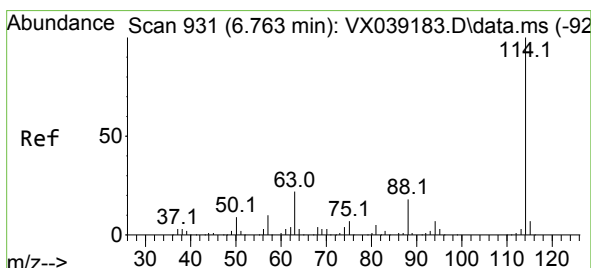
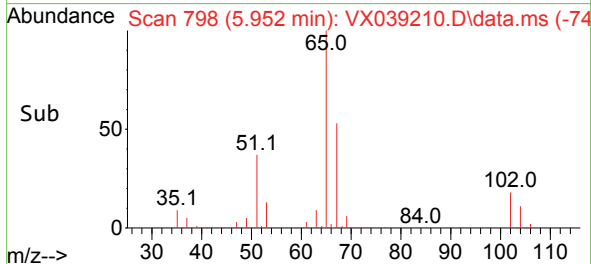
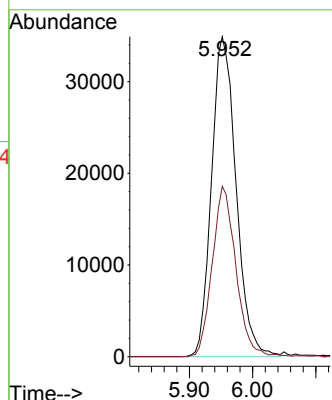
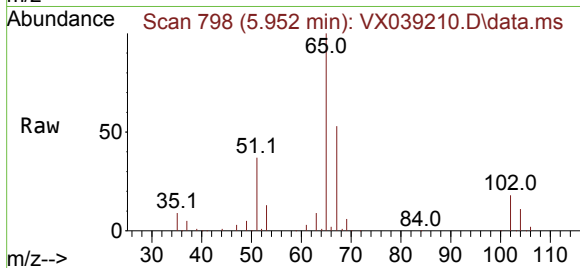
ClientSampleId :

Tgt Ion: 65 Resp: 93917

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

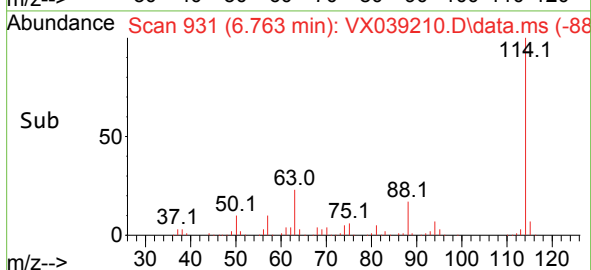
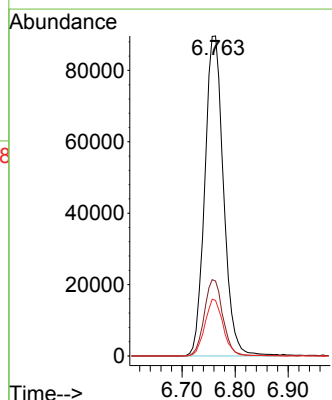
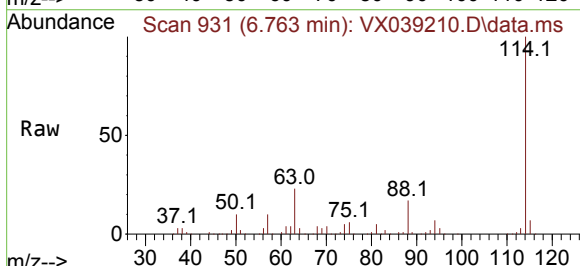
Tgt Ion: 114 Resp: 219697

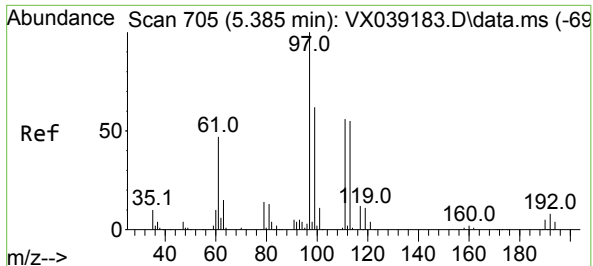
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

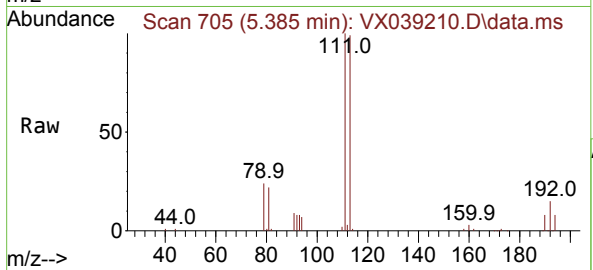
88 17.3 0.0 36.6



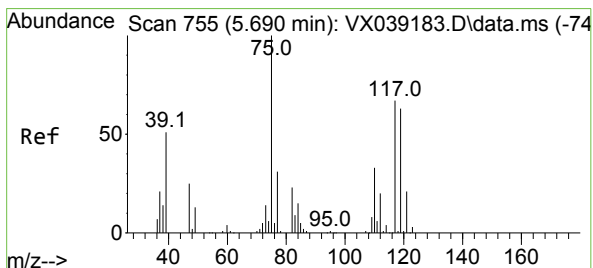
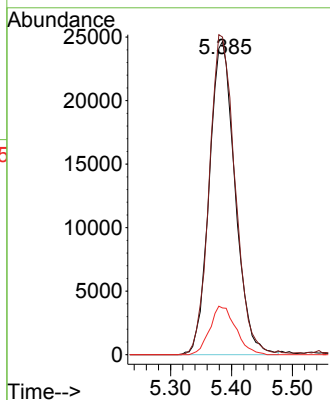
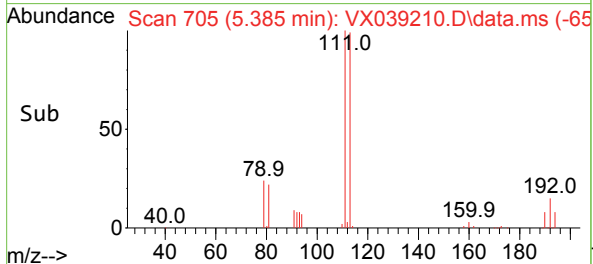


#35
Dibromofluoromethane
Concen: 47.658 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

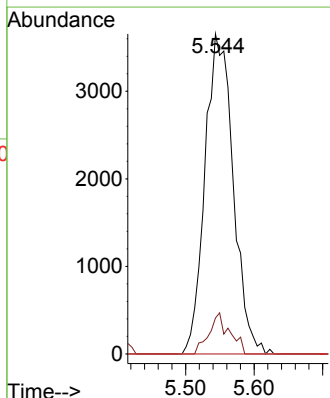
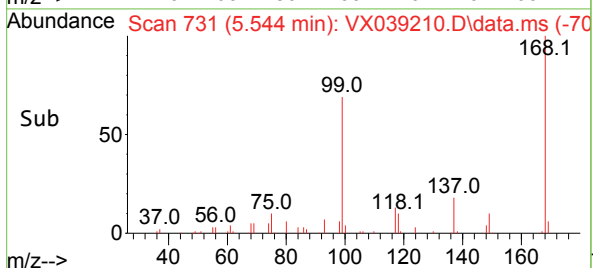
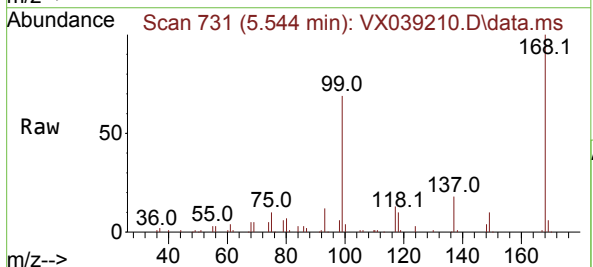


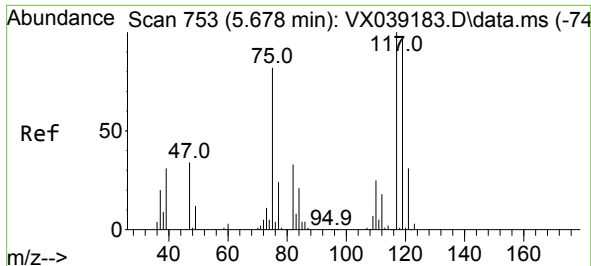
Tgt Ion:113 Resp: 72334
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

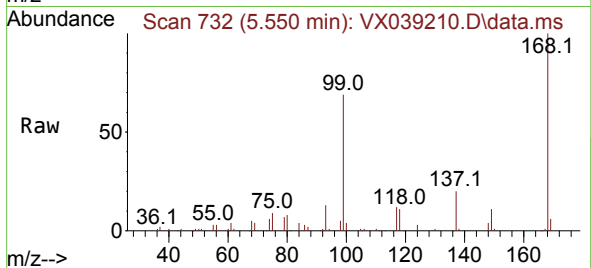
Tgt Ion: 75 Resp: 10463
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



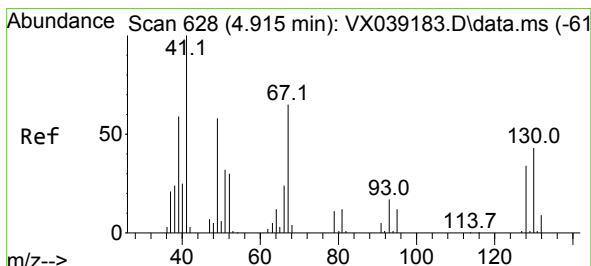
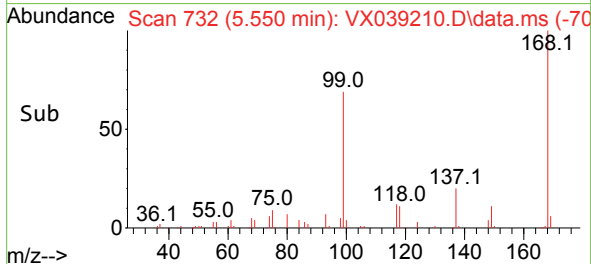
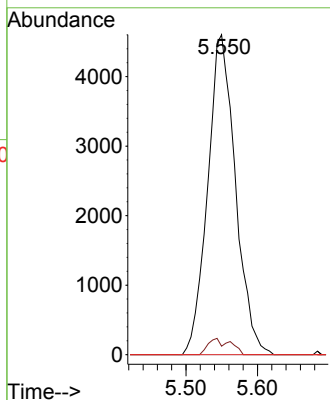


#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

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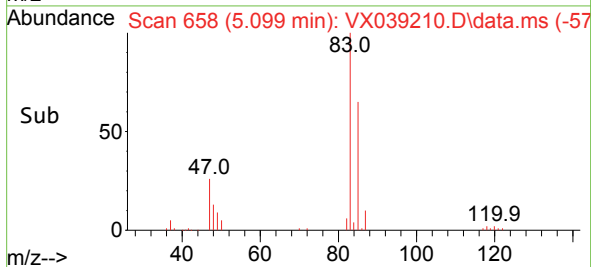
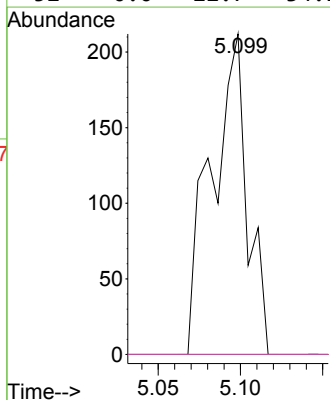
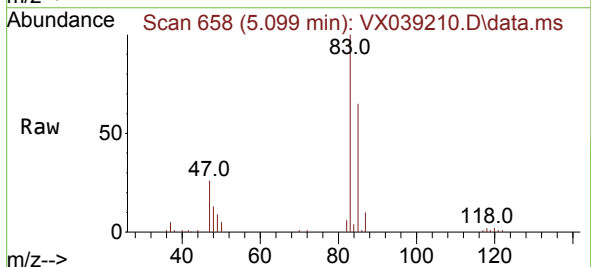


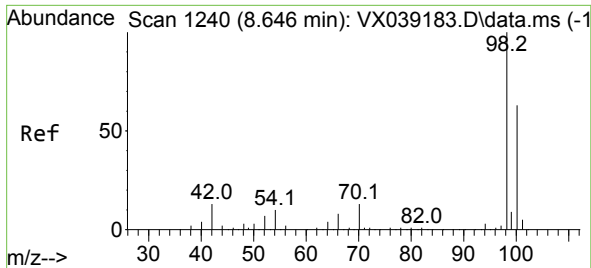
Tgt Ion:117 Resp: 12409
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.183 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Tgt Ion: 41 Resp: 321
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

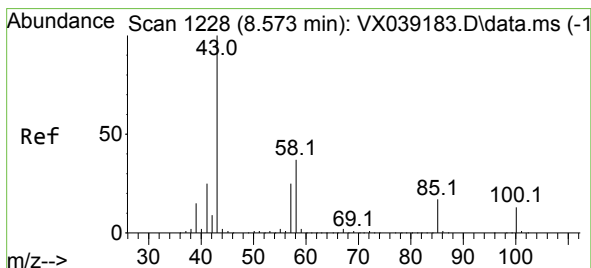
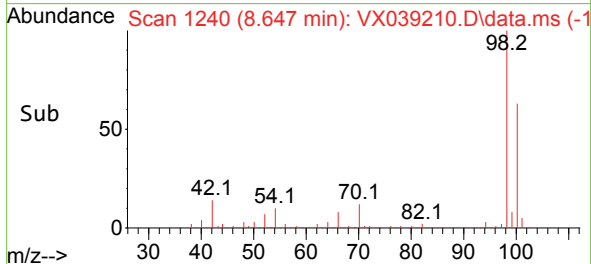
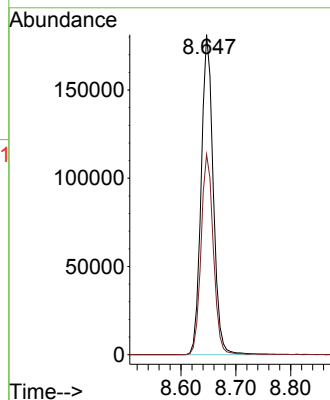
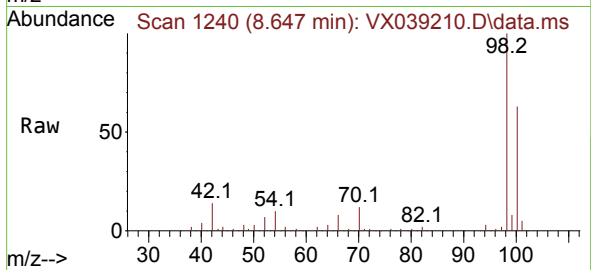




#50
Toluene-d8
Concen: 49.283 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

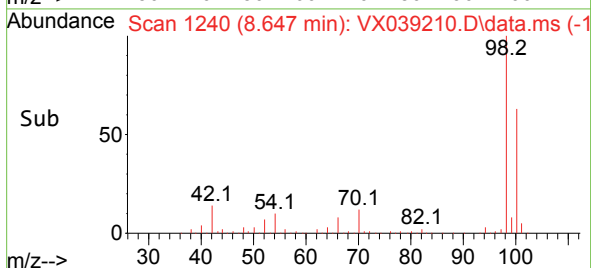
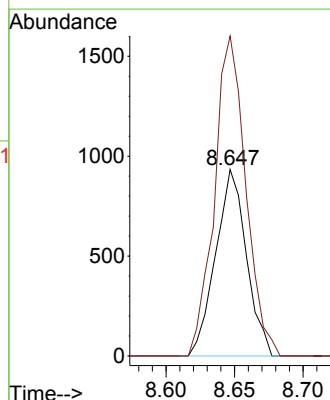
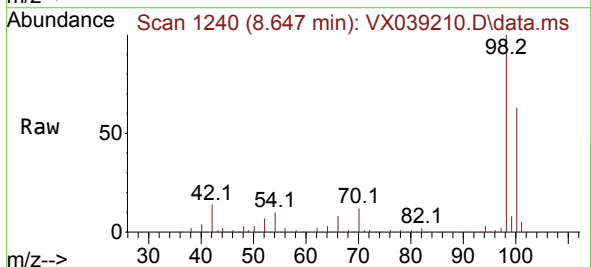
Instrument :
MSVOA_X
ClientSampleId :

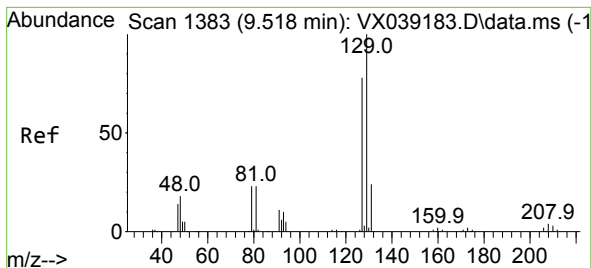
Tgt Ion: 98 Resp: 277696
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.476 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 174.4 30.4 45.6#





#60

Dibromochloromethane

Concen: 0.559 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.244 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

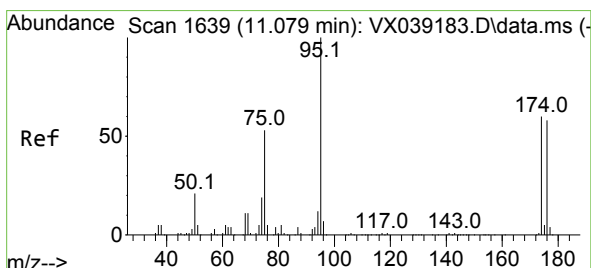
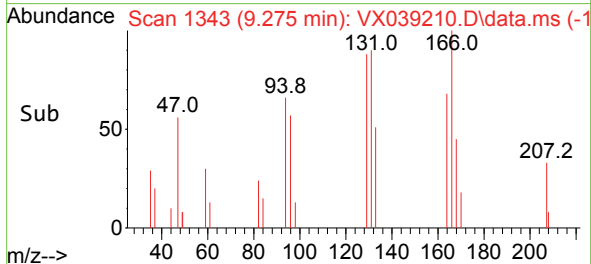
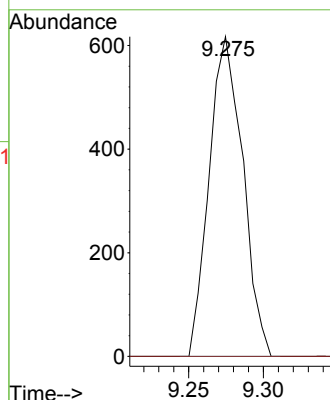
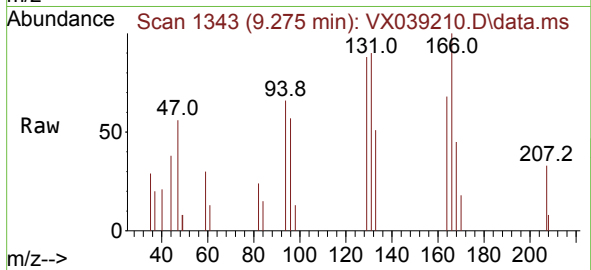
ClientSampleId :

Tgt Ion:129 Resp: 965

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



#62

4-Bromofluorobenzene

Concen: 54.722 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

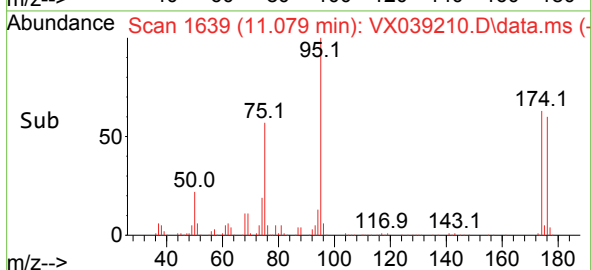
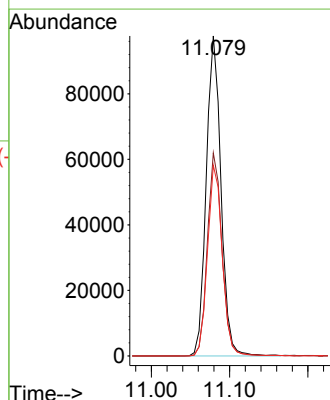
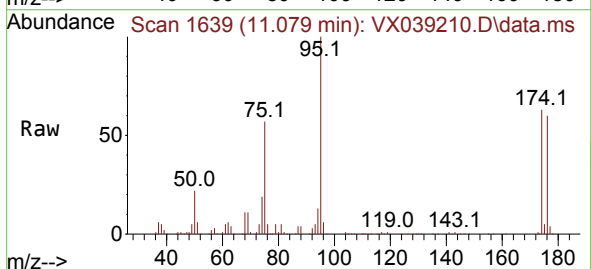
Tgt Ion: 95 Resp: 127222

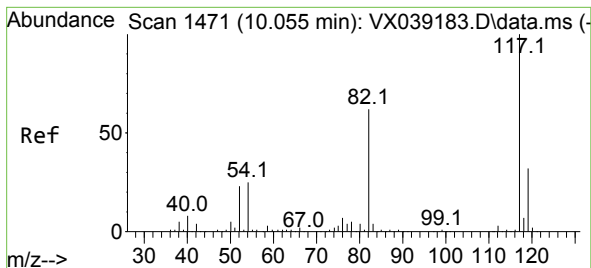
Ion Ratio Lower Upper

95 100

174 62.7 0.0 135.6

176 59.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

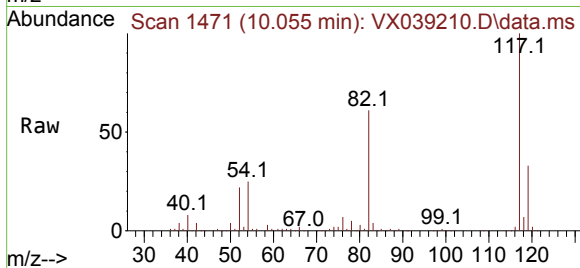
Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :



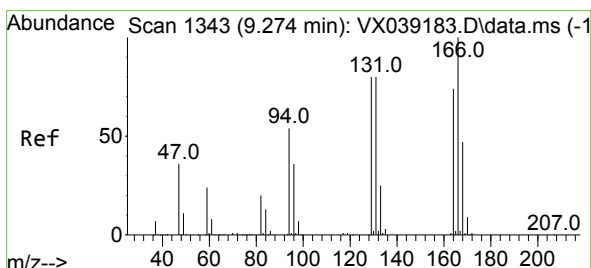
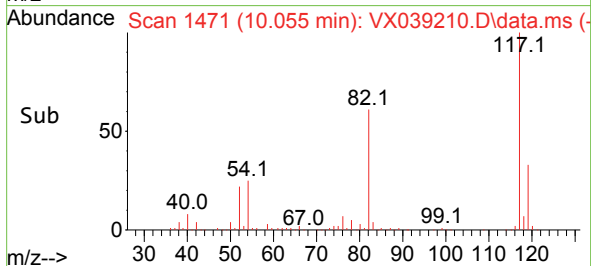
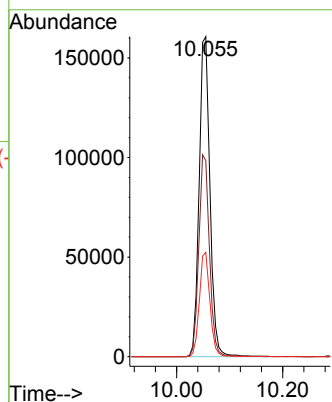
Tgt Ion:117 Resp: 227617

Ion Ratio Lower Upper

117 100

82 61.3 46.2 69.4

119 32.6 25.5 38.3



#64

Tetrachloroethene

Concen: 0.601 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Tgt Ion:164 Resp: 894

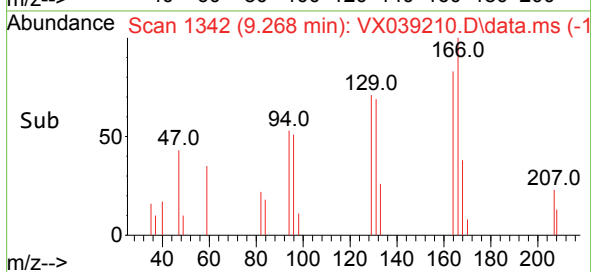
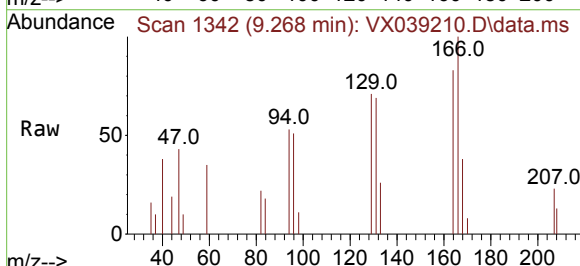
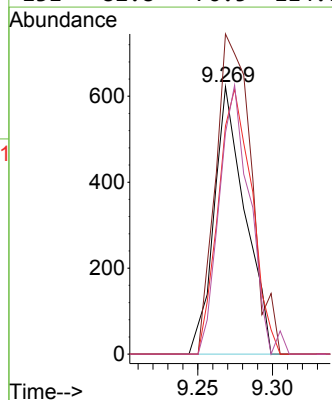
Ion Ratio Lower Upper

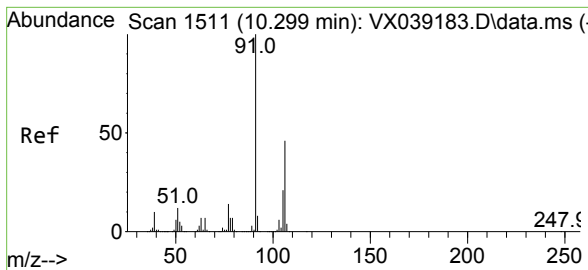
164 100

166 119.8 102.7 154.1

129 85.4 80.4 120.6

131 82.8 76.5 114.7

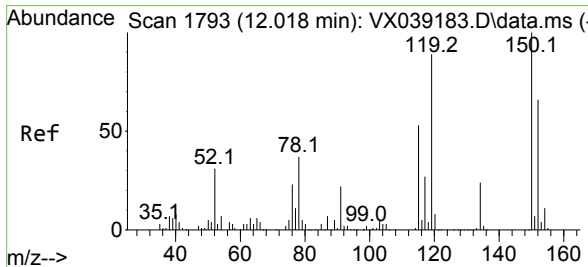
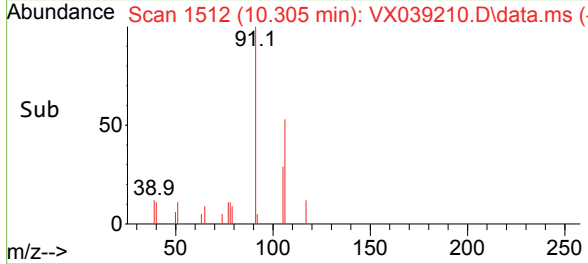
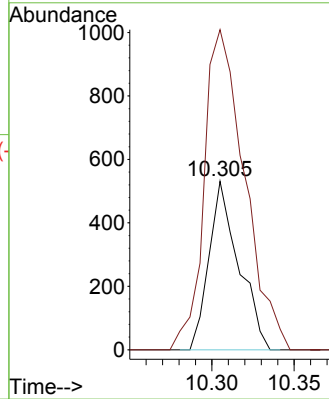
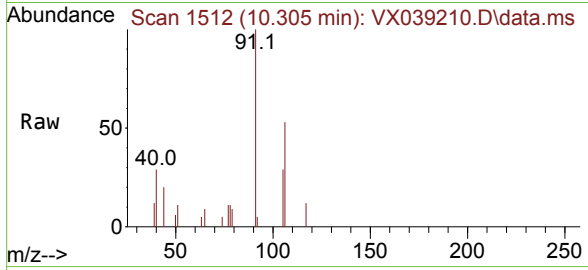




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

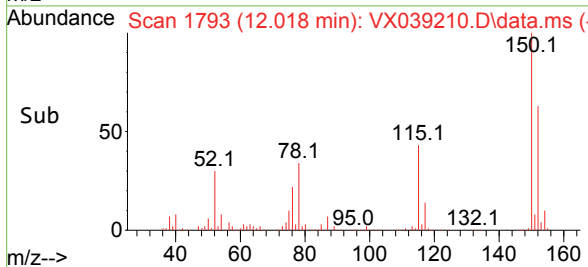
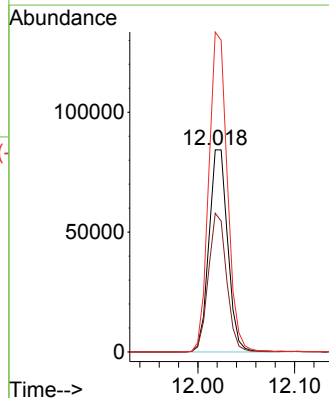
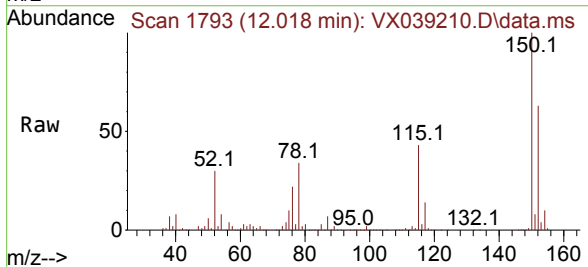
Instrument :
MSVOA_X
ClientSampleId :

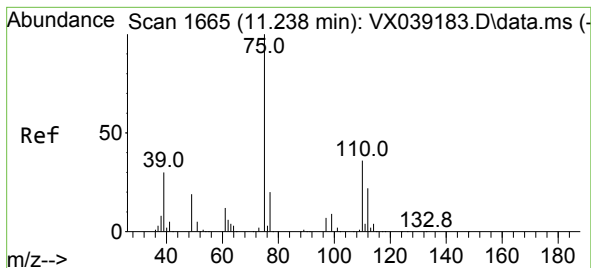
Tgt Ion:106 Resp: 668
Ion Ratio Lower Upper
106 100
91 258.2 165.5 248.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039210.D
Acq: 14 Dec 2023 15:57

Tgt Ion:152 Resp: 113932
Ion Ratio Lower Upper
152 100
115 66.8 43.3 129.9
150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.848 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

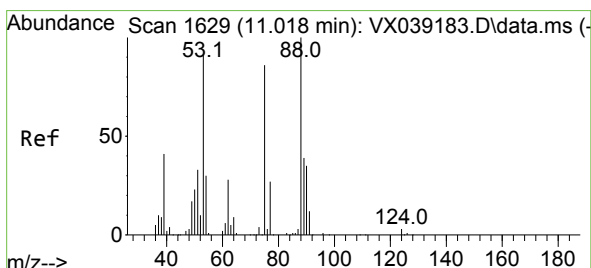
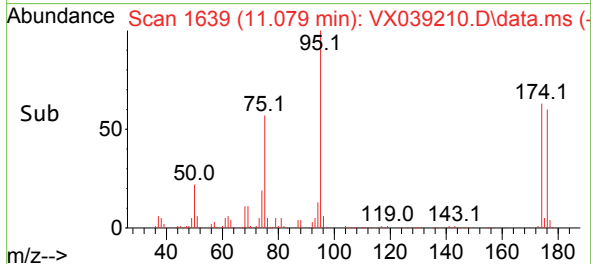
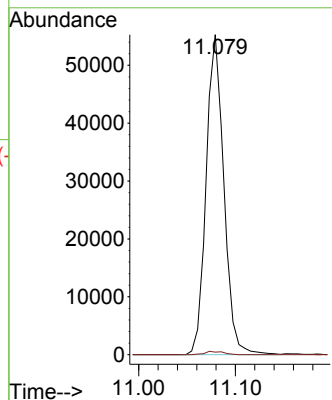
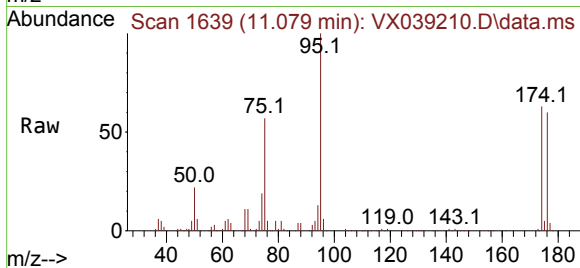
ClientSampleId :

Tgt Ion: 75 Resp: 70295

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.275 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

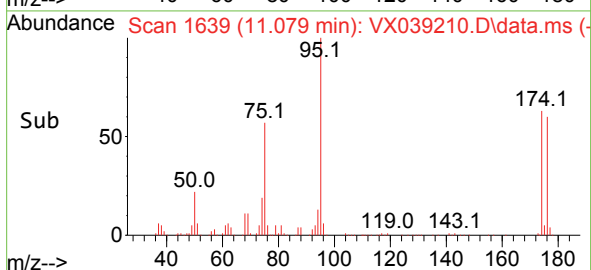
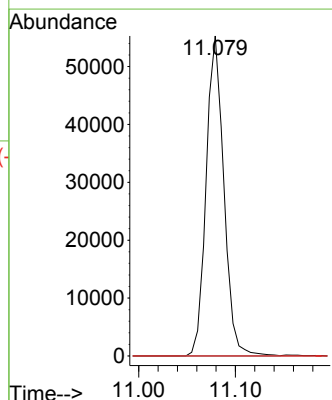
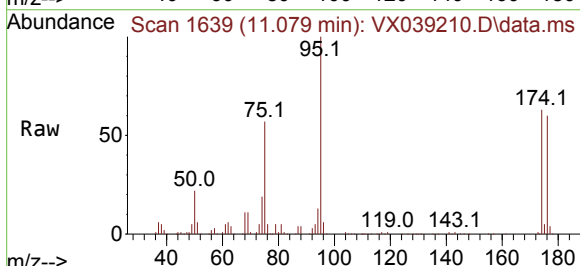
Tgt Ion: 75 Resp: 70295

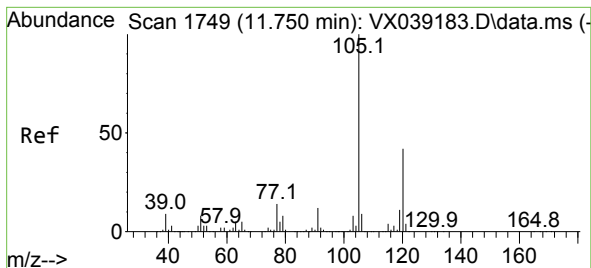
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.336 ug/l

RT: 11.756 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Instrument :

MSVOA_X

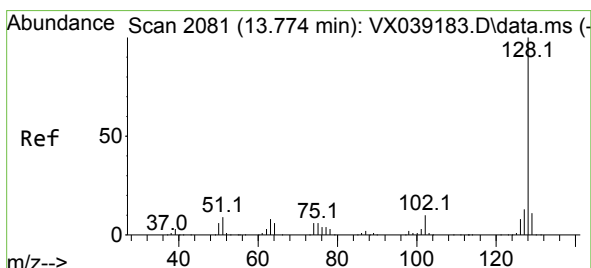
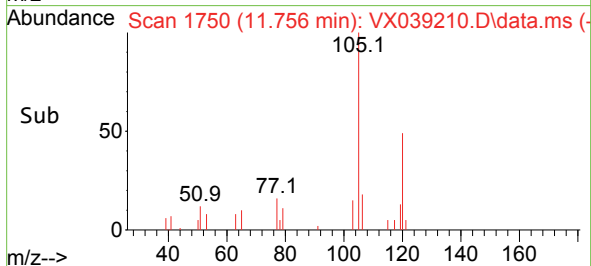
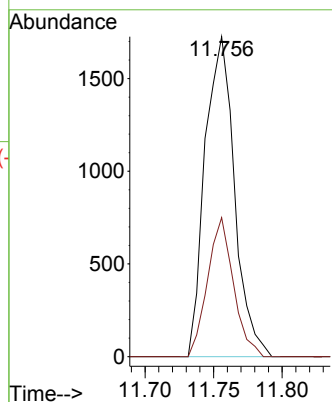
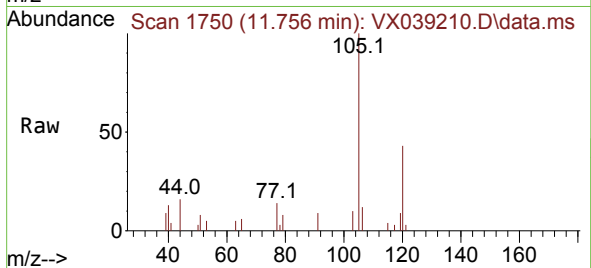
ClientSampleId :

Tgt Ion:105 Resp: 2577

Ion Ratio Lower Upper

105 100

120 38.1 21.2 63.6



#95

Naphthalene

Concen: 0.251 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039210.D

Acq: 14 Dec 2023 15:57

Tgt Ion:128 Resp: 2094

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 6.0 8.8 13.2#

