

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035631.D
 Acq On : 12 May 2023 12:34
 Operator : JC/MD
 Sample : 02702-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50033

Quant Time: May 15 01:54:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

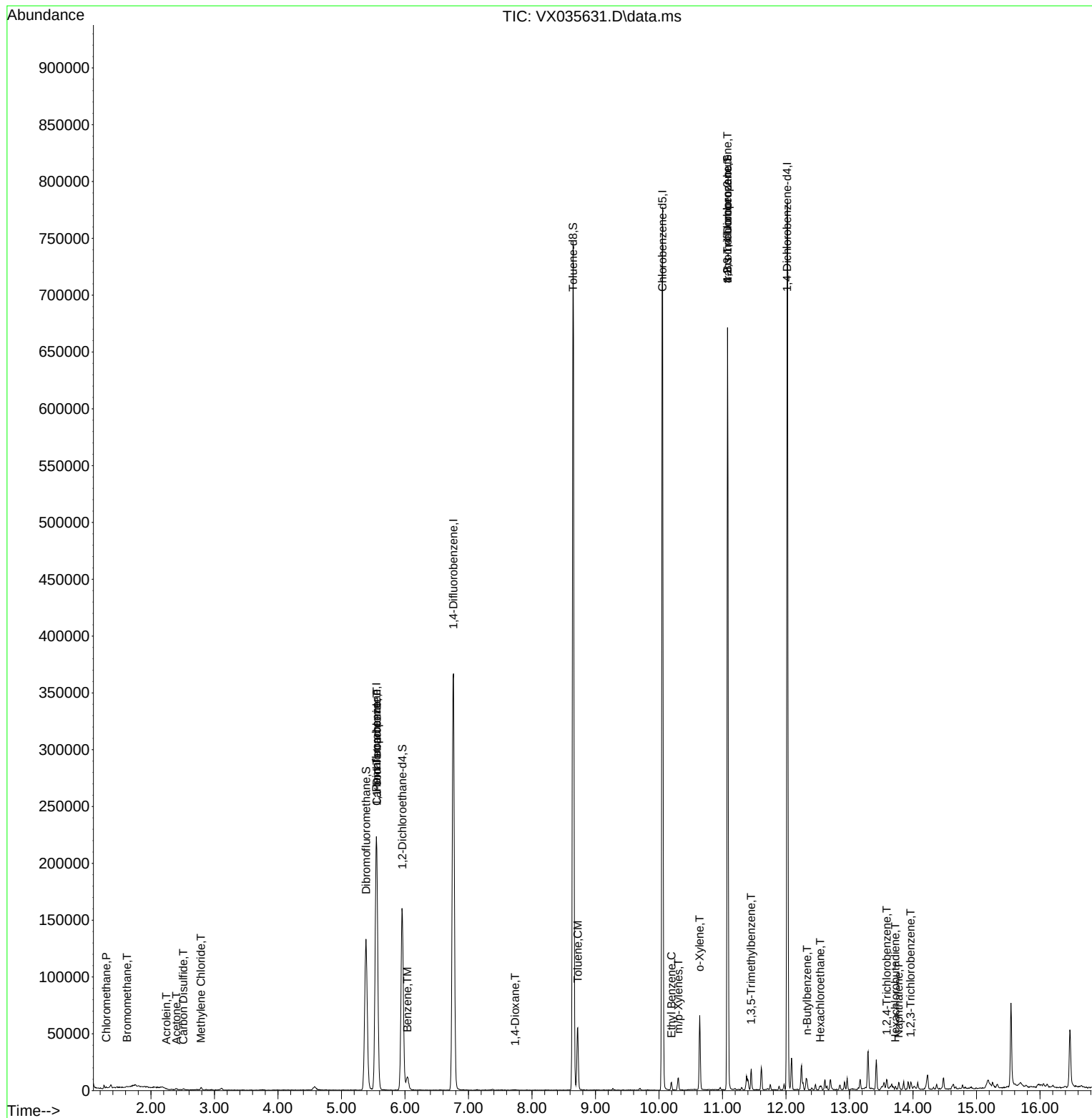
Internal Standards						
1) Pentafluorobenzene	5.550	168	191616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	351724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	148195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159579	47.738	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.480%		
35) Dibromofluoromethane	5.385	113	112586	47.464	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	8.647	98	423462	48.325	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.640%		
62) 4-Bromofluorobenzene	11.079	95	175945	49.867	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	699	0.231	ug/l #	85
5) Bromomethane	1.624	94	342	0.246	ug/l #	51
13) Acrolein	2.240	56	312	0.446	ug/l #	62
16) Acetone	2.398	43	1758	1.224	ug/l #	85
17) Carbon Disulfide	2.508	76	1175	0.228	ug/l #	75
20) Methylene Chloride	2.788	84	930	0.357	ug/l #	75
36) 1,1-Dichloropropene	5.556	75	18369	4.906	ug/l #	50
38) Carbon Tetrachloride	5.556	117	22340	6.299	ug/l #	16
40) Benzene	6.038	78	12481	1.192	ug/l	93
49) 1,4-Dioxane	7.732	88	260	5.487	ug/l #	81
52) Toluene	8.720	92	20131	3.045	ug/l	98
67) Ethyl Benzene	10.195	91	3610	0.276	ug/l	97
68) m/p-Xylenes	10.305	106	2539	0.525	ug/l	98
69) o-Xylene	10.640	106	12176	2.538	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	96713	26.680	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	6601	0.622	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	96713	85.986	ug/l #	8
89) n-Butylbenzene	12.329	91	2666	0.275	ug/l #	60
90) Hexachloroethane	12.536	117	452	0.280	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.585	180	922	0.290	ug/l #	84
94) Hexachlorobutadiene	13.719	225	368	0.292	ug/l	92
95) Naphthalene	13.774	128	3811	0.351	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	718	0.230	ug/l #	80

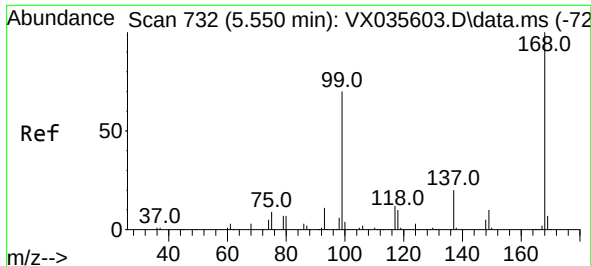
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
Data File : VX035631.D
Acq On : 12 May 2023 12:34
Operator : JC/MD
Sample : 02702-02 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
50033

Quant Time: May 15 01:54:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

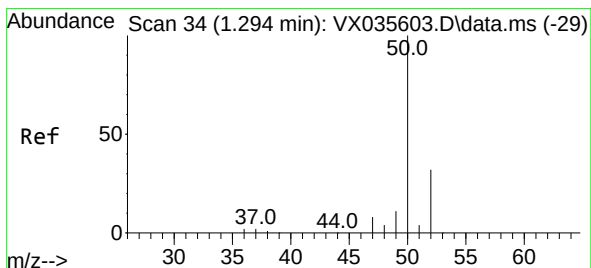
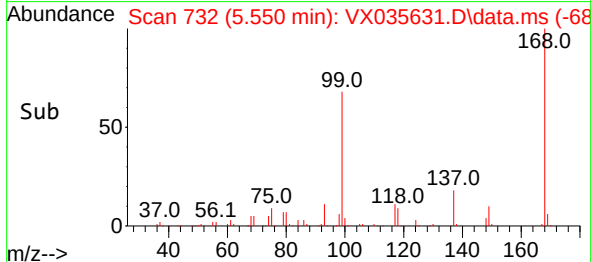
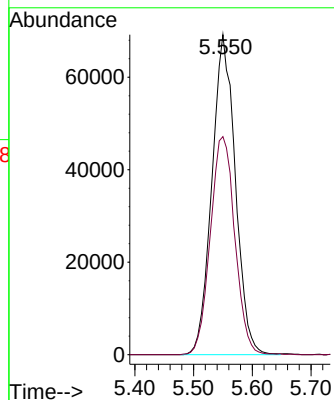
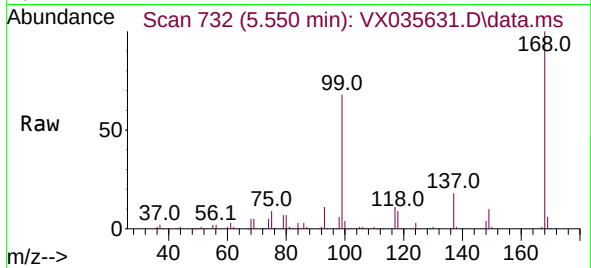




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

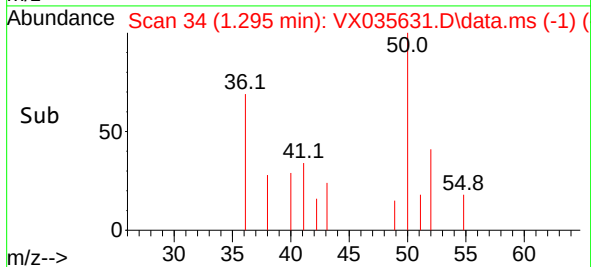
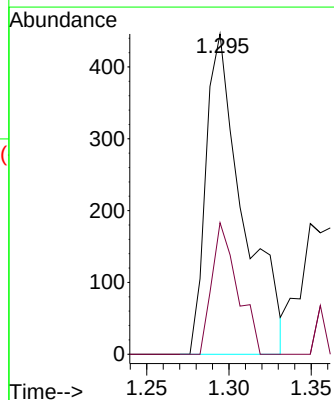
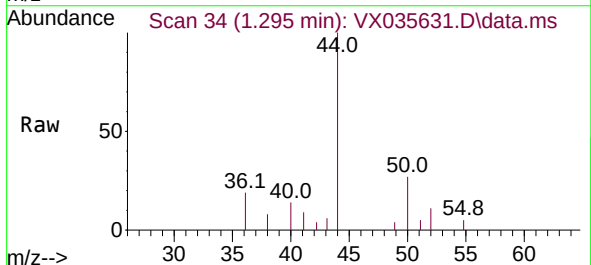
Instrument :
MSVOA_X
ClientSampleId :
50033

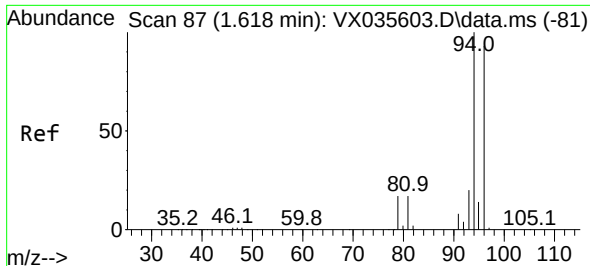
Tgt Ion:168 Resp: 191616
Ion Ratio Lower Upper
168 100
99 68.2 45.7 68.5



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 41.0 25.9 38.9#

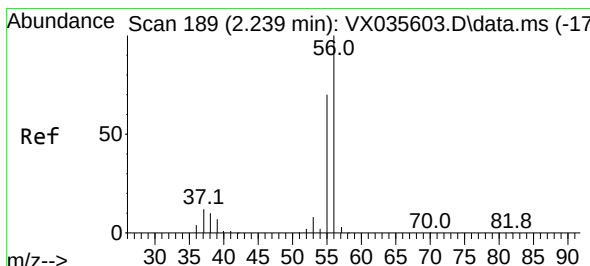
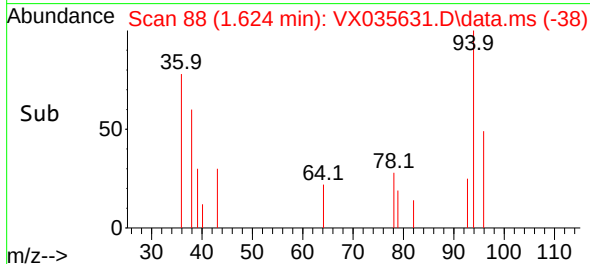
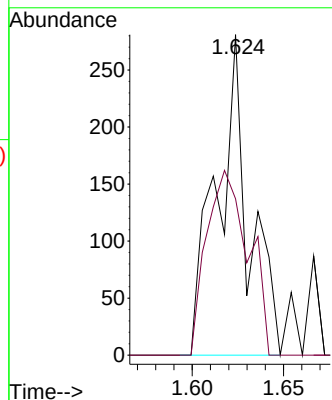
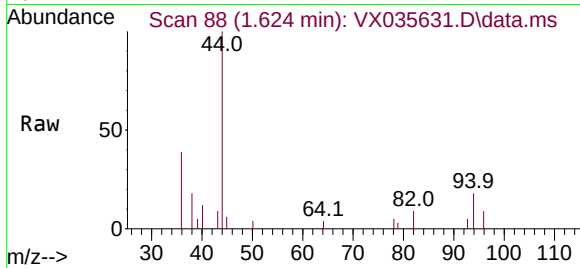




#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.624 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

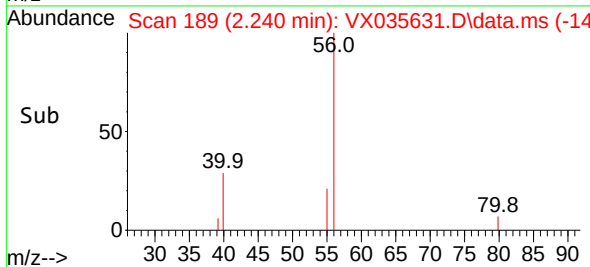
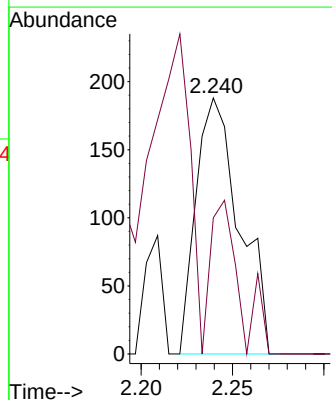
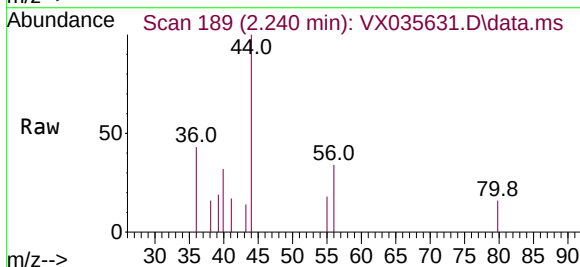
Instrument :
MSVOA_X
ClientSampleId :
50033

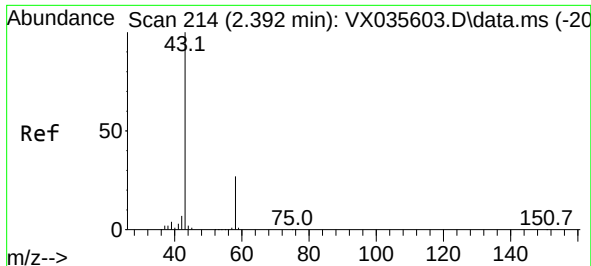
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 48.8 77.0 115.6#



#13
Acrolein
Concen: 0.446 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.001 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 39.4 56.6 85.0#

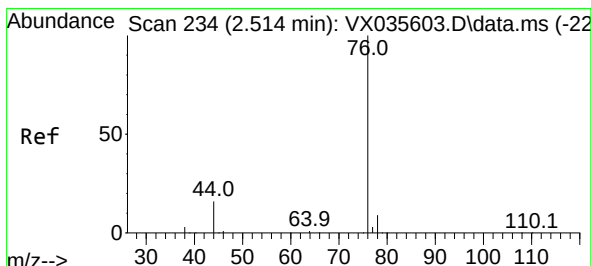
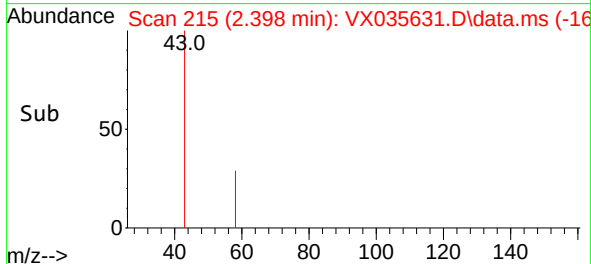
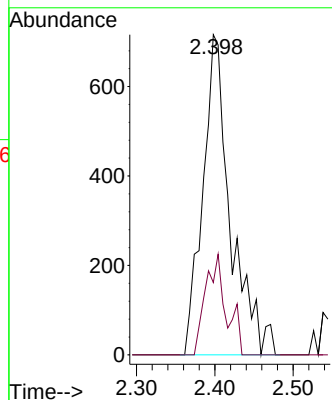
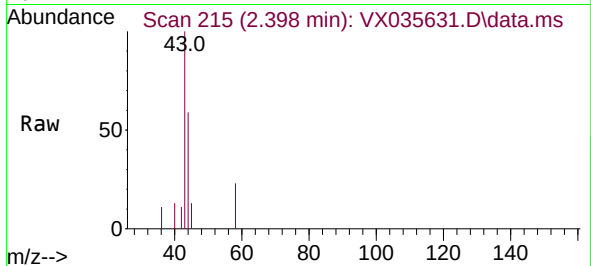




#16
Acetone
Concen: 1.224 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

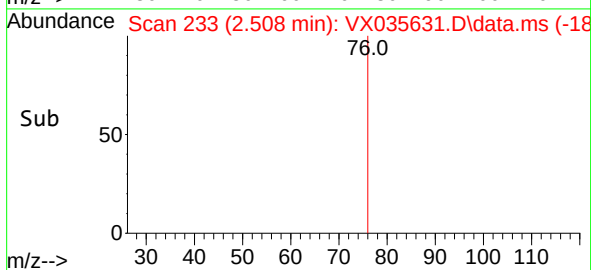
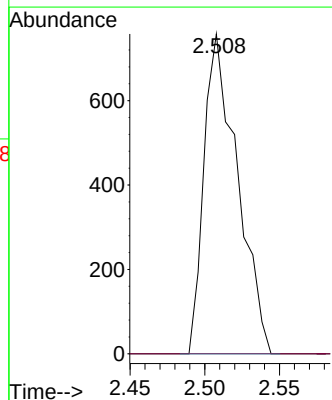
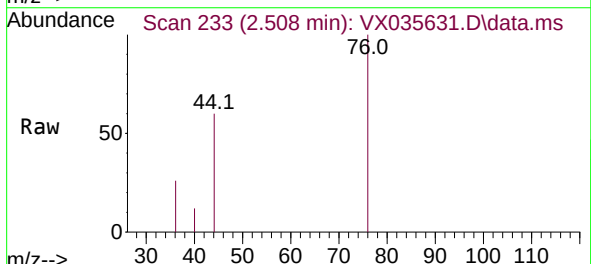
Instrument :
MSVOA_X
ClientSampleId :
50033

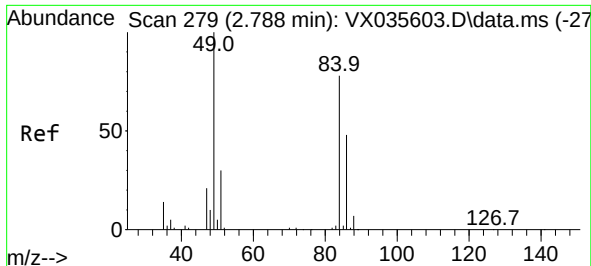
Tgt Ion: 43 Resp: 1758
Ion Ratio Lower Upper
43 100
58 22.6 24.7 37.1#



#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 76 Resp: 1175
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

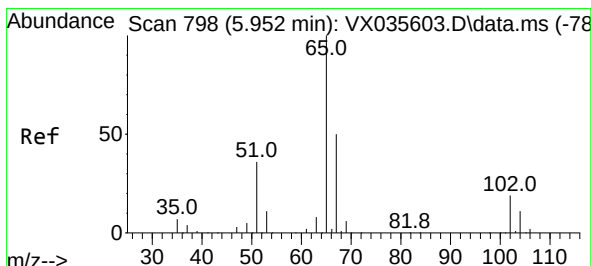
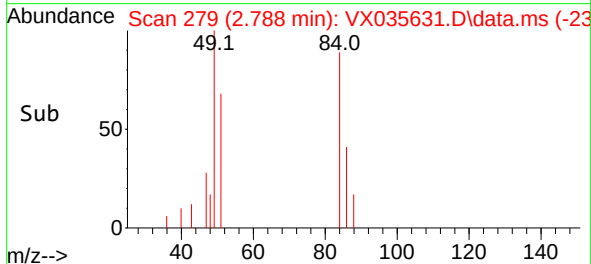
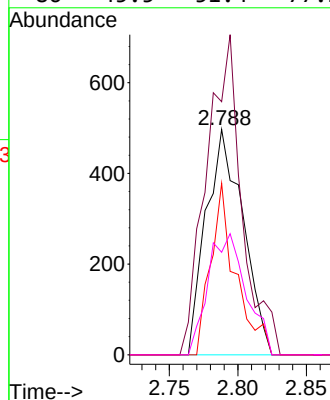
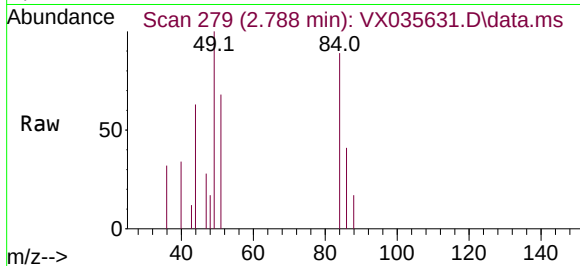




#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

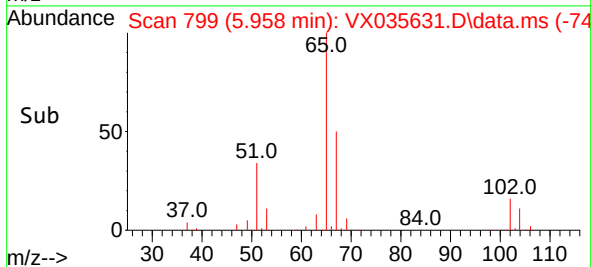
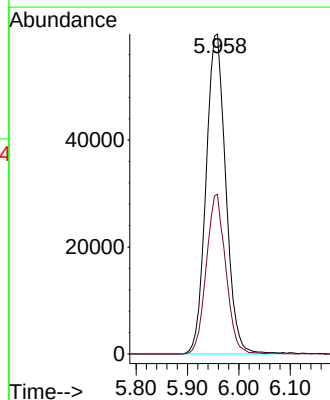
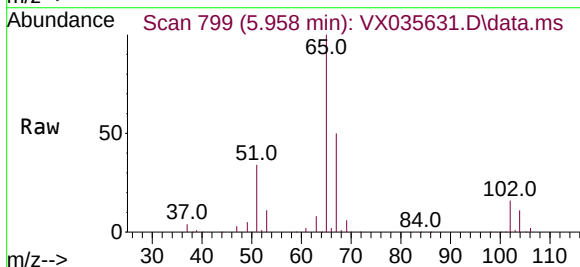
Instrument :
MSVOA_X
ClientSampleId :
50033

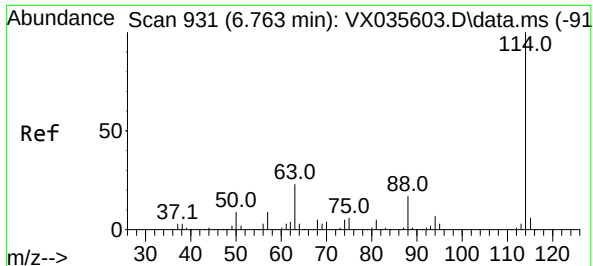
Tgt Ion:	84	Resp:	930
Ion	Ratio	Lower	Upper
84	100		
49	112.3	103.8	155.8
51	76.1	31.8	47.8#
86	45.5	51.4	77.2#



#33
1,2-Dichloroethane-d4
Concen: 47.738 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion:	65	Resp:	159579
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	104.0

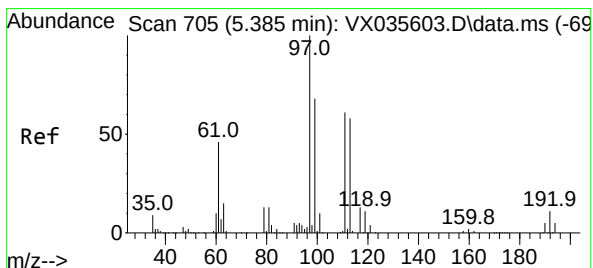
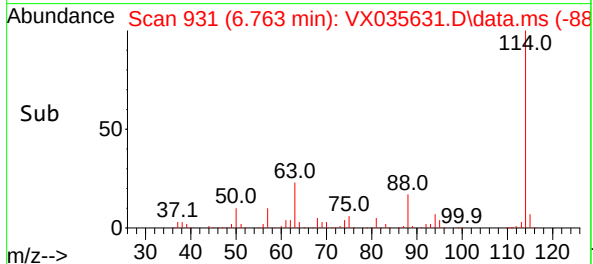
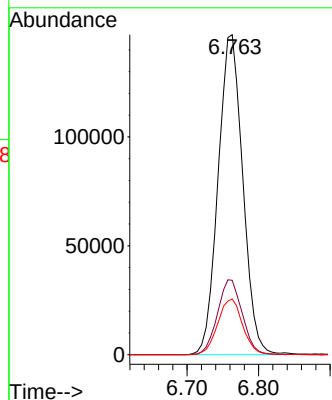
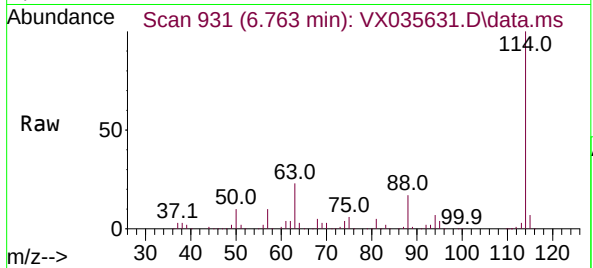




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

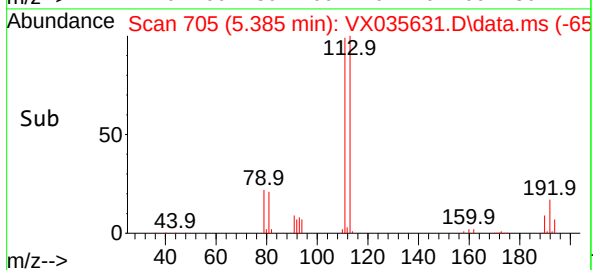
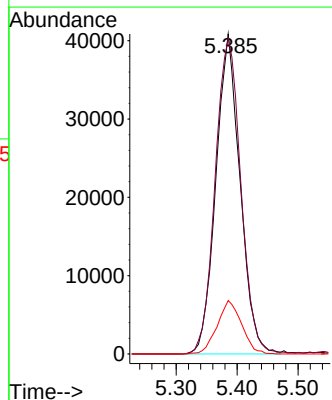
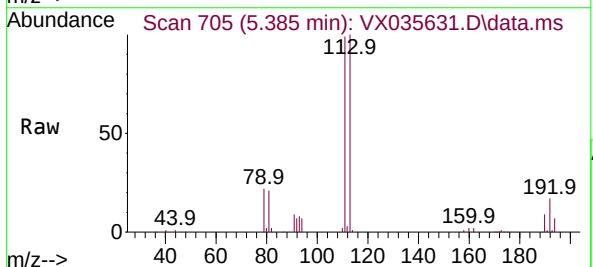
Instrument :
MSVOA_X
ClientSampleId :
50033

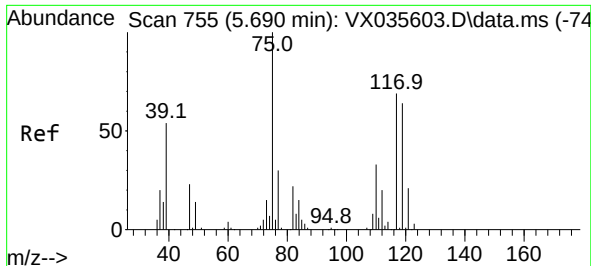
Tgt Ion:114 Resp: 351724
Ion Ratio Lower Upper
114 100
63 23.3 0.0 42.2
88 17.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.464 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion:113 Resp: 112586
Ion Ratio Lower Upper
113 100
111 104.8 83.7 125.5
192 16.9 15.4 23.2

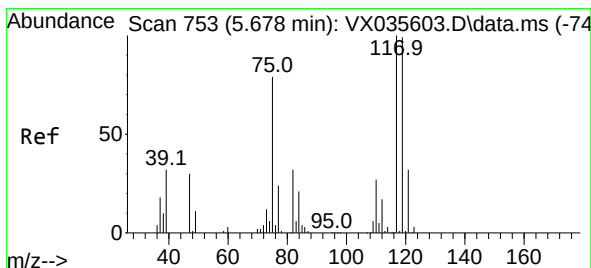
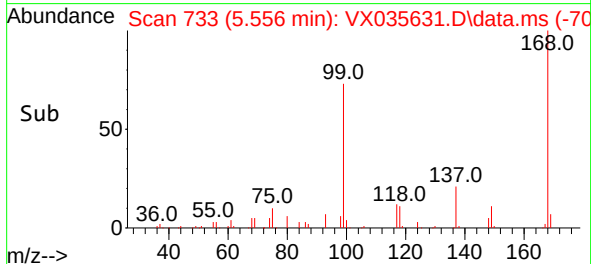
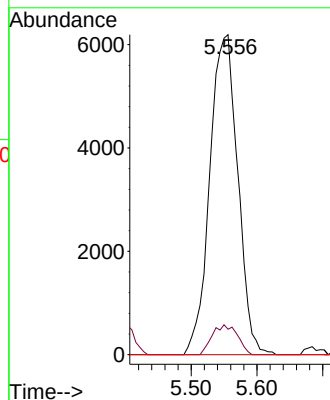
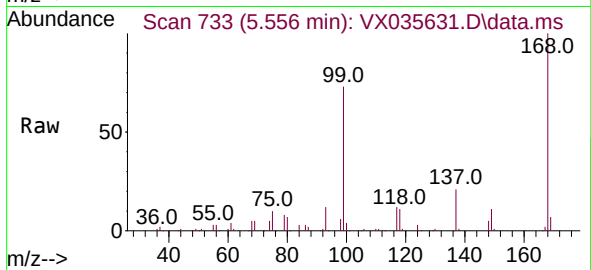




#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

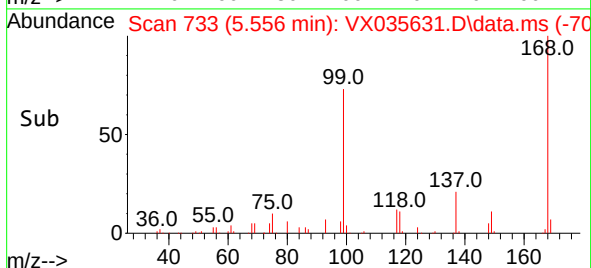
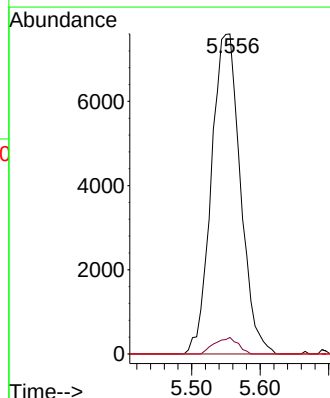
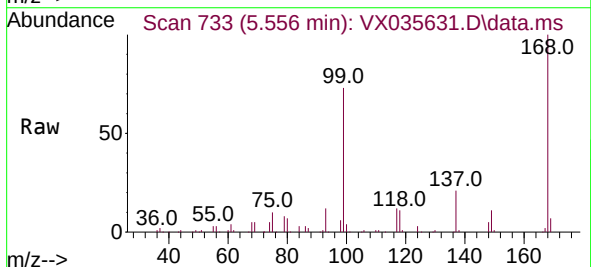
Instrument :
MSVOA_X
ClientSampleId :
50033

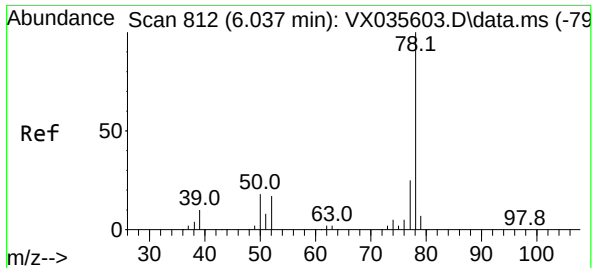
Tgt Ion: 75 Resp: 18369
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.299 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion:117 Resp: 22340
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 23.8 35.6#





#40

Benzene

Concen: 1.192 ug/l

RT: 6.038 min Scan# 81

Delta R.T. 0.001 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

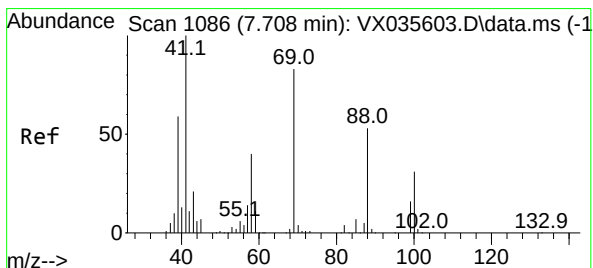
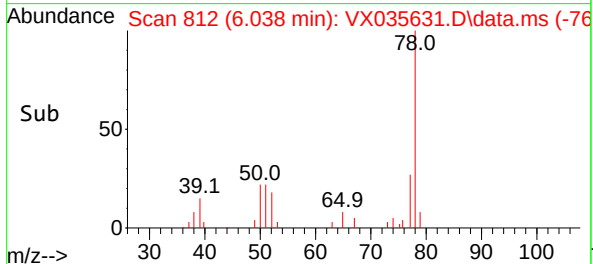
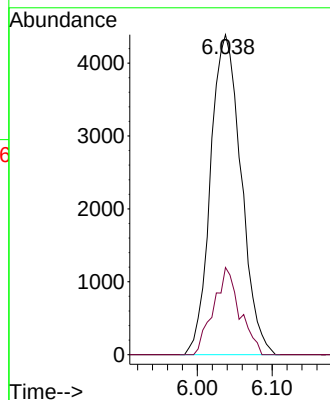
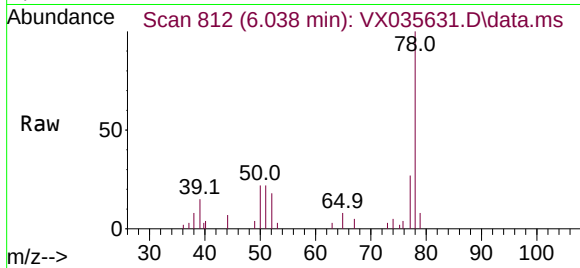
50033

Tgt Ion: 78 Resp: 12481

Ion Ratio Lower Upper

78 100

77 27.2 19.0 28.4



#49

1,4-Dioxane

Concen: 5.487 ug/l

RT: 7.732 min Scan# 1090

Delta R.T. 0.024 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

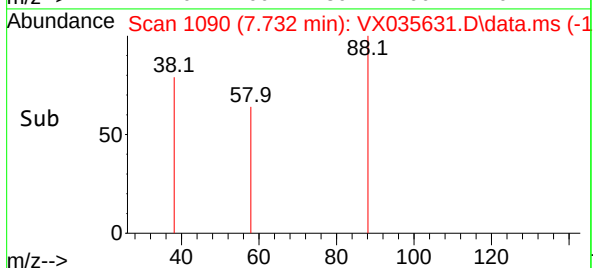
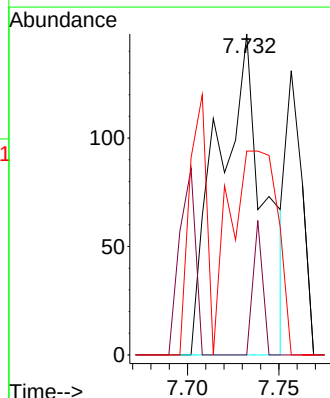
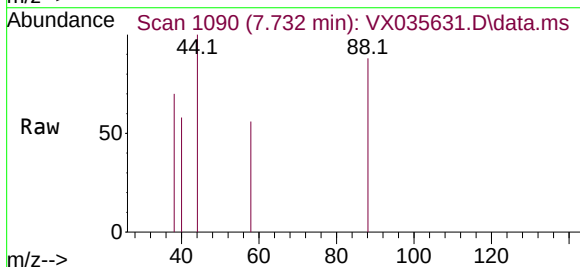
Tgt Ion: 88 Resp: 260

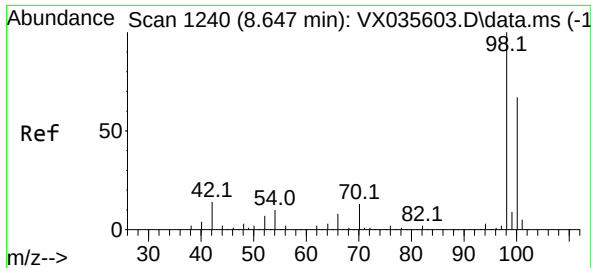
Ion Ratio Lower Upper

88 100

43 8.8 27.7 41.5#

58 66.2 56.8 85.2

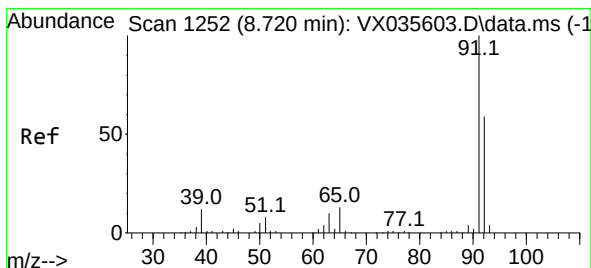
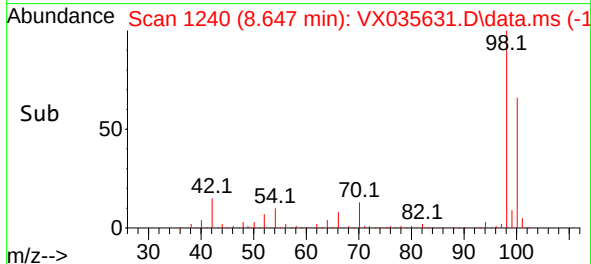
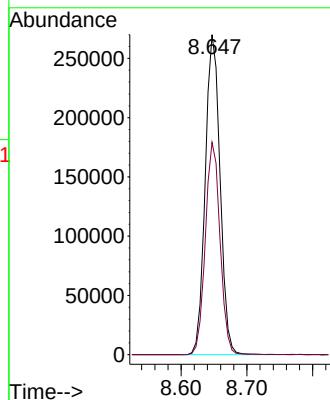
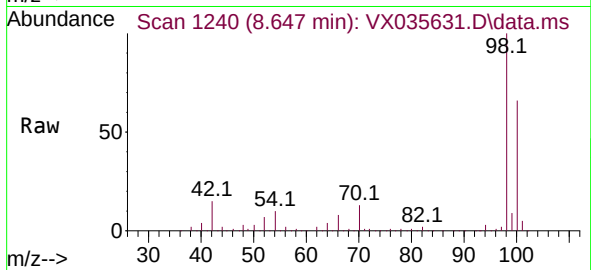




#50
Toluene-d8
Concen: 48.325 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

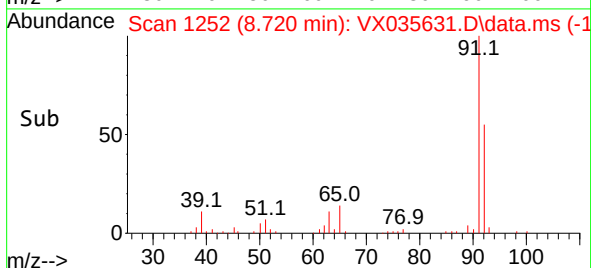
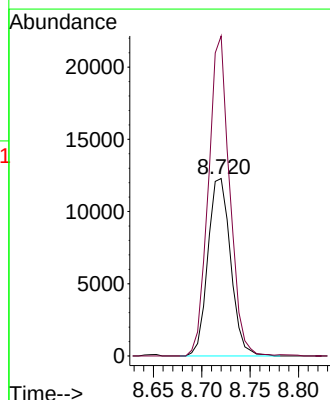
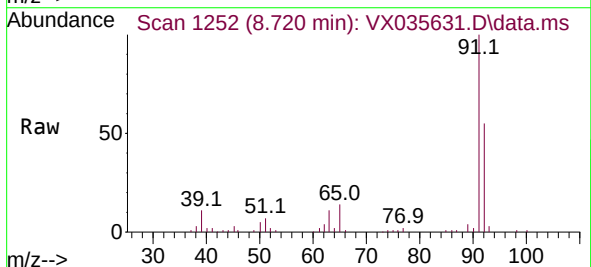
Instrument :
MSVOA_X
ClientSampleId :
50033

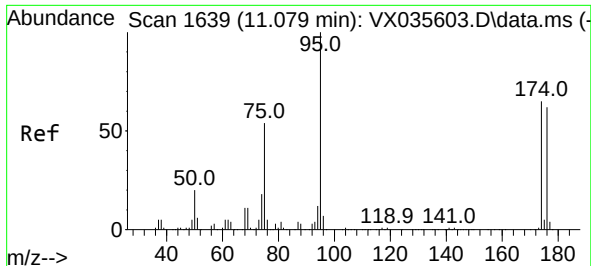
Tgt Ion: 98 Resp: 423462
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#52
Toluene
Concen: 3.045 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 92 Resp: 20131
Ion Ratio Lower Upper
92 100
91 168.1 136.8 205.2





#62

4-Bromofluorobenzene

Concen: 49.867 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

50033

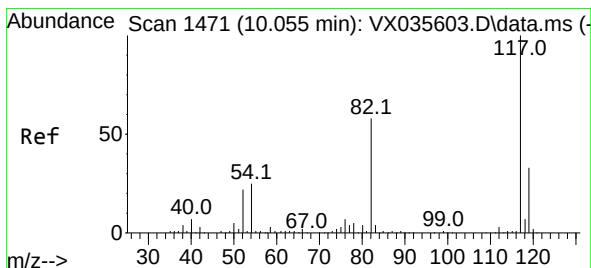
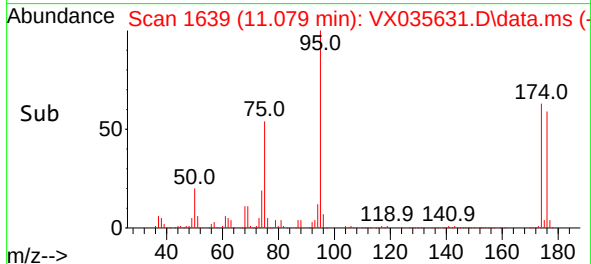
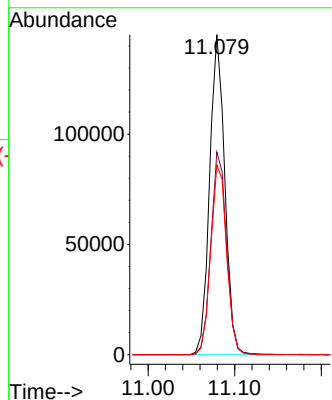
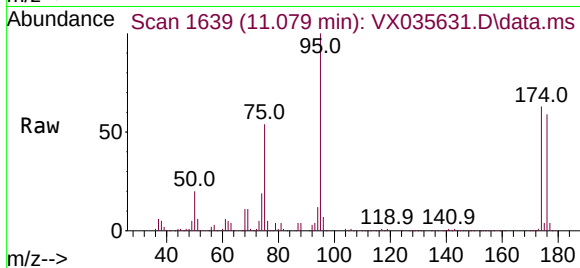
Tgt Ion: 95 Resp: 175945

Ion Ratio Lower Upper

95 100

174 65.4 0.0 147.4

176 62.2 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

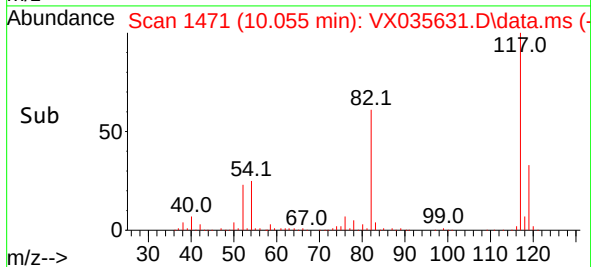
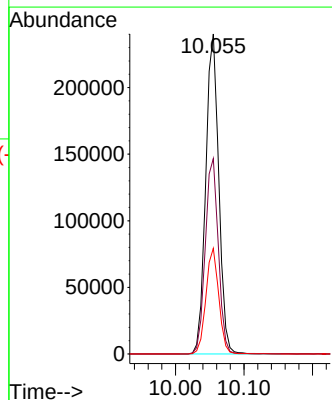
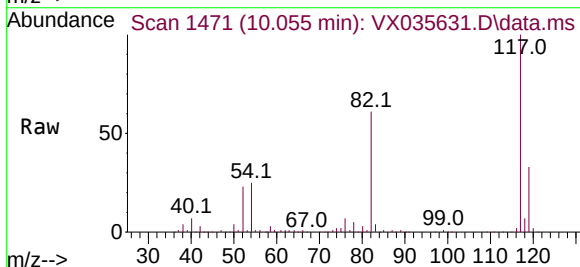
Tgt Ion: 117 Resp: 318639

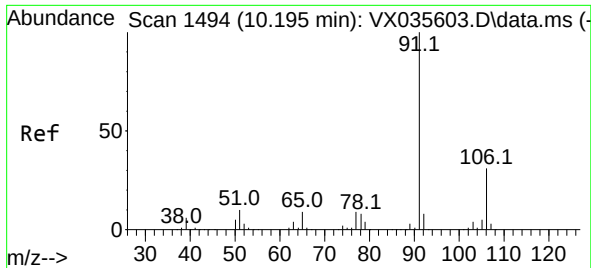
Ion Ratio Lower Upper

117 100

82 61.1 45.0 67.4

119 33.0 26.0 39.0

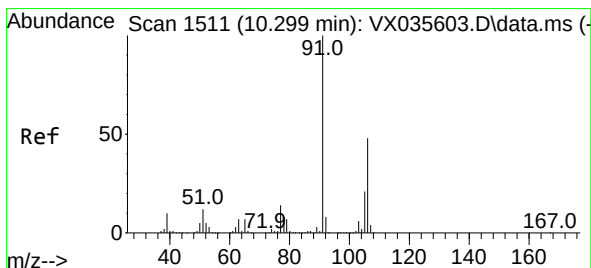
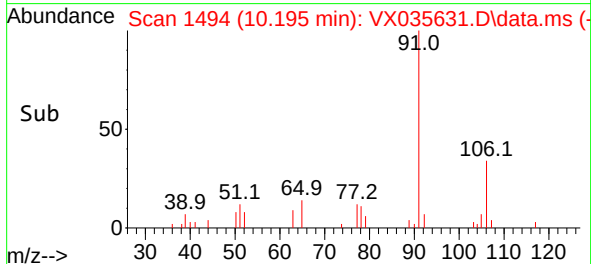
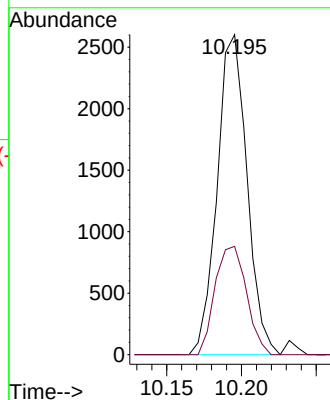
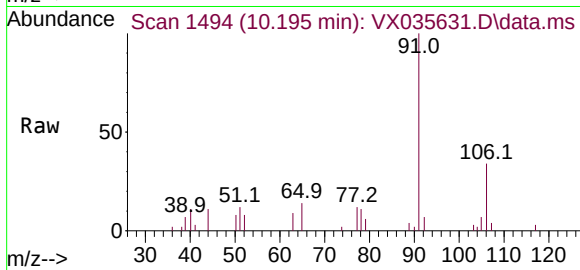




#67
Ethyl Benzene
Concen: 0.276 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

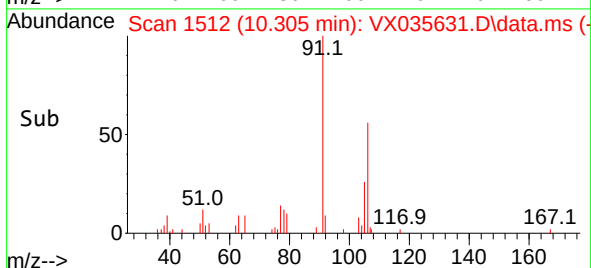
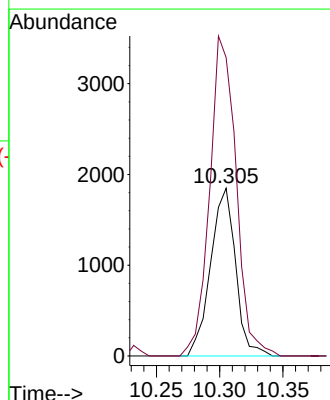
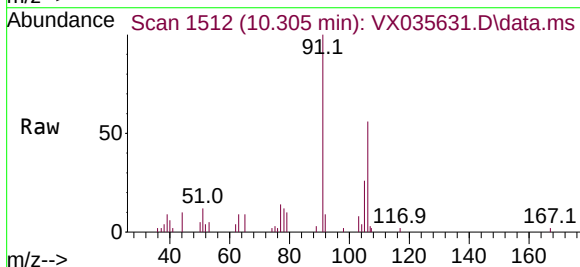
Instrument :
MSVOA_X
ClientSampleId :
50033

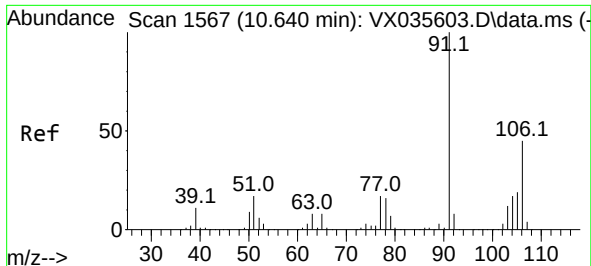
Tgt Ion: 91 Resp: 3610
Ion Ratio Lower Upper
91 100
106 33.9 25.6 38.4



#68
m/p-Xylenes
Concen: 0.525 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 106 Resp: 2539
Ion Ratio Lower Upper
106 100
91 201.7 164.0 246.0

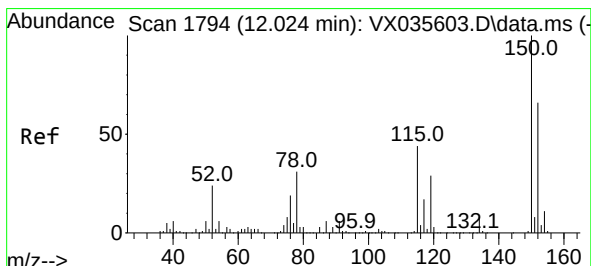
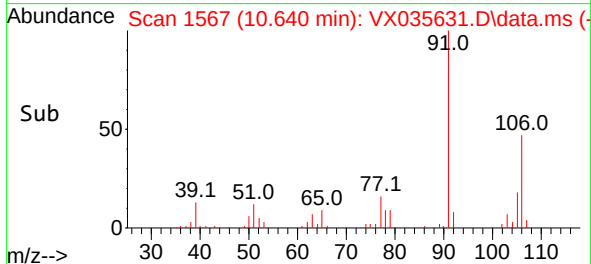
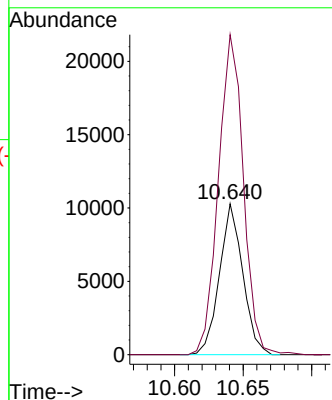
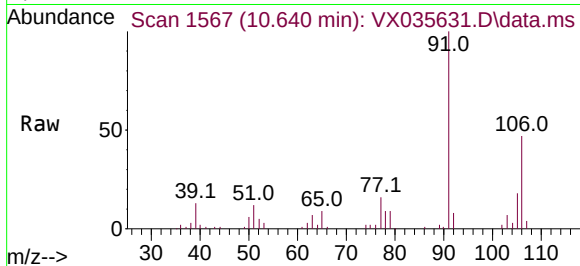




#69
o-Xylene
Concen: 2.538 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

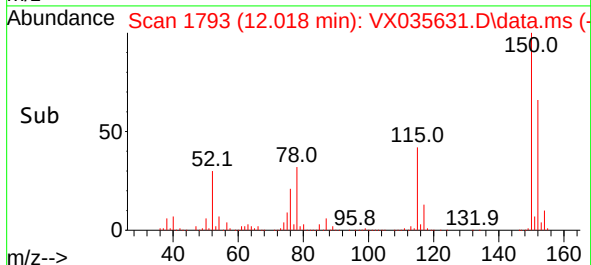
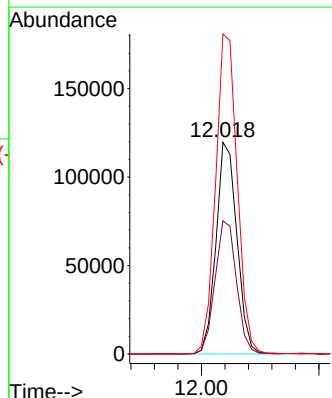
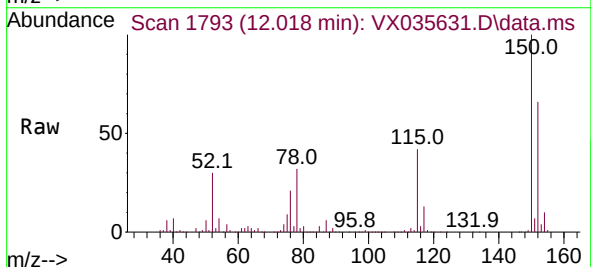
Instrument :
MSVOA_X
ClientSampleId :
50033

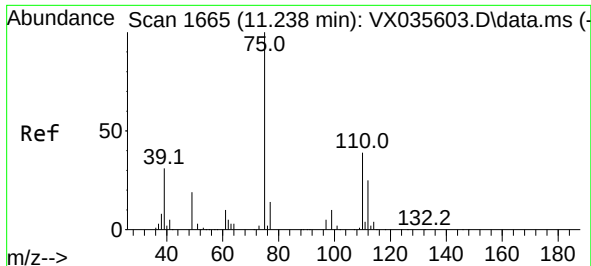
Tgt Ion:106 Resp: 12176
Ion Ratio Lower Upper
106 100
91 227.3 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion:152 Resp: 148195
Ion Ratio Lower Upper
152 100
115 64.6 45.0 135.0
150 156.2 0.0 352.4

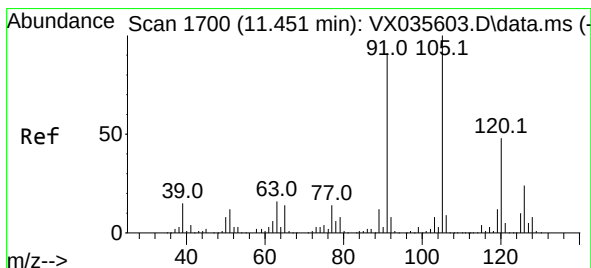
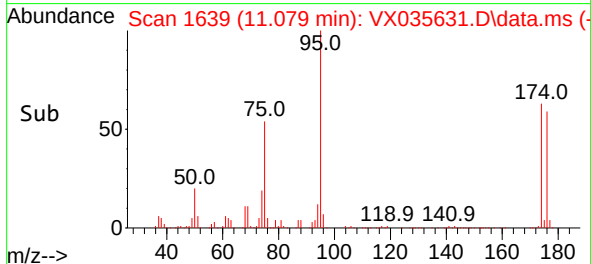
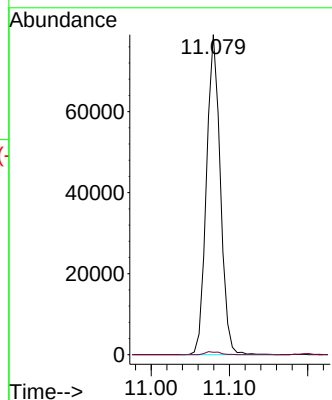
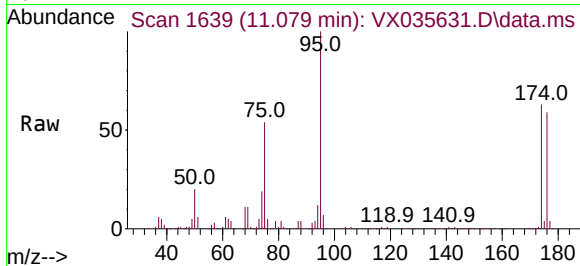




#76
1,2,3-Trichloropropane
Concen: 26.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

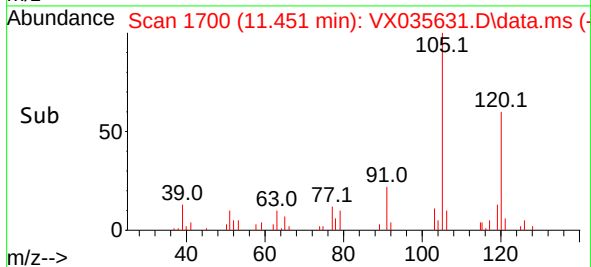
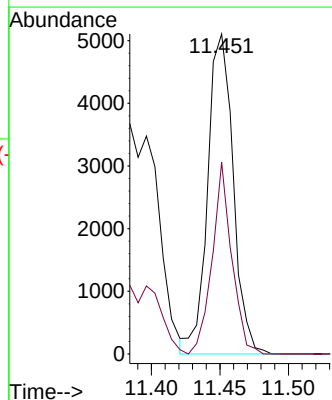
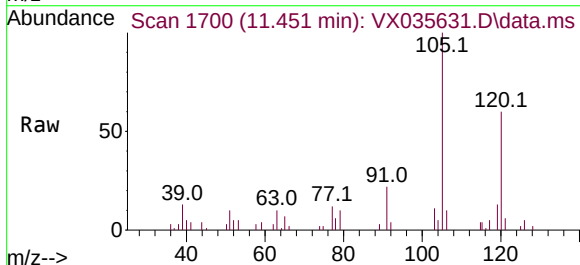
Instrument :
MSVOA_X
ClientSampleId :
50033

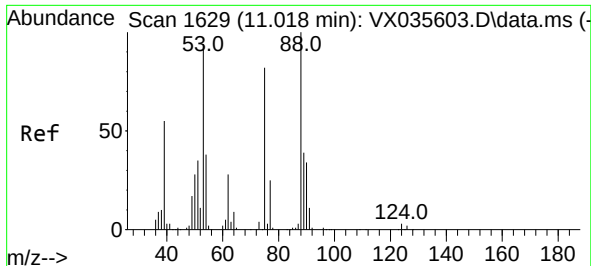
Tgt Ion: 75 Resp: 96713
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.622 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 105 Resp: 6601
Ion Ratio Lower Upper
105 100
120 46.0 23.7 71.1

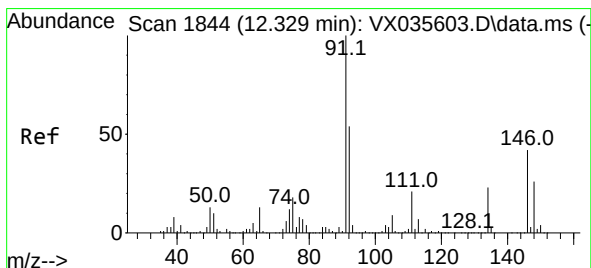
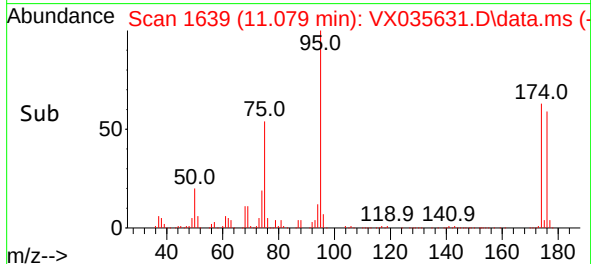
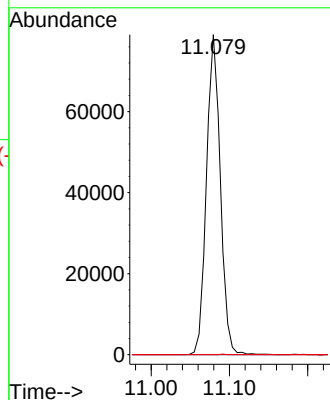
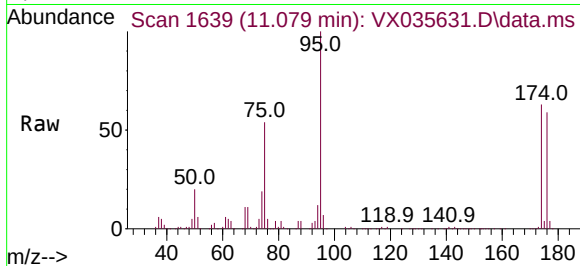




#81
trans-1,4-Dichloro-2-butene
Concen: 85.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

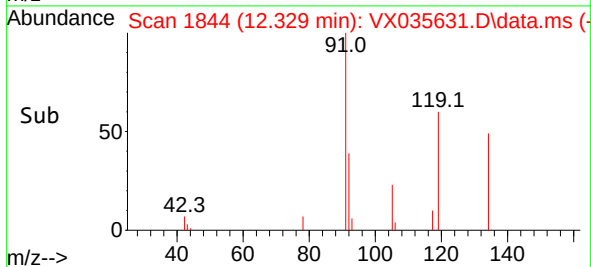
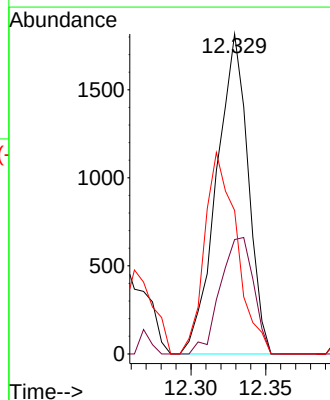
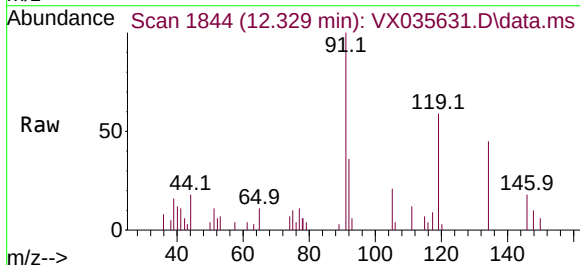
Instrument :
MSVOA_X
ClientSampleId :
50033

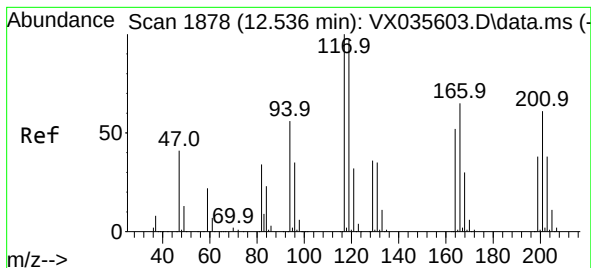
Tgt Ion: 75 Resp: 96713
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

Tgt Ion: 91 Resp: 2666
Ion Ratio Lower Upper
91 100
92 38.4 27.7 83.0
134 64.3 13.0 38.9#





#90

Hexachloroethane

Concen: 0.280 ug/l

RT: 12.536 min Scan# 117

Delta R.T. 0.000 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

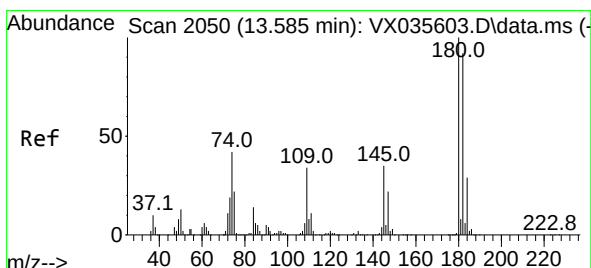
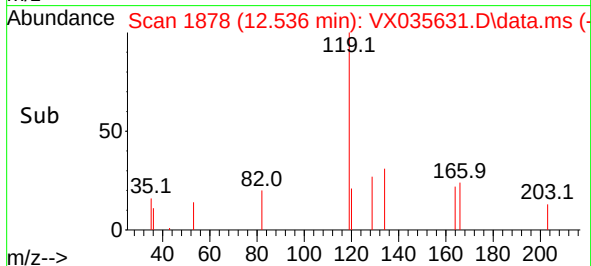
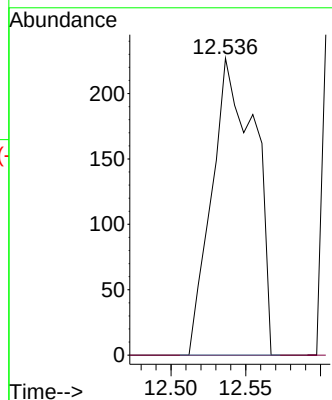
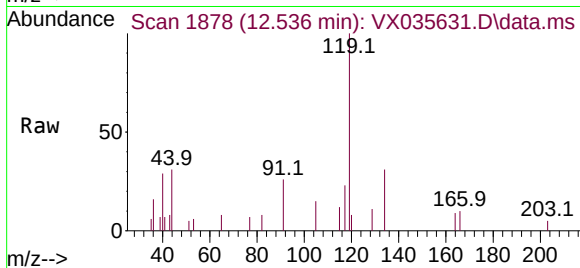
50033

Tgt Ion:117 Resp: 452

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.290 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX035631.D

Acq: 12 May 2023 12:34

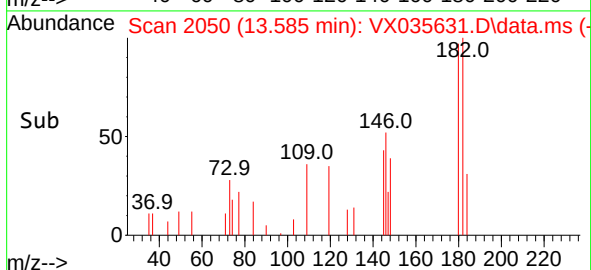
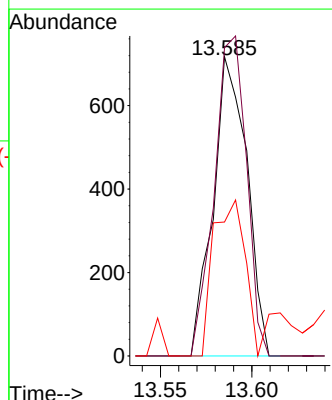
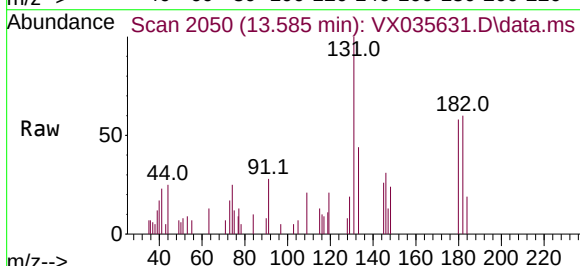
Tgt Ion:180 Resp: 922

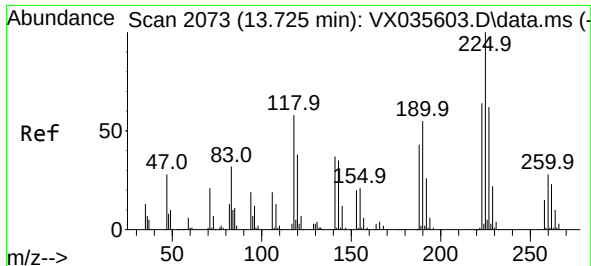
Ion Ratio Lower Upper

180 100

182 102.1 47.0 141.0

145 53.0 15.9 47.7#

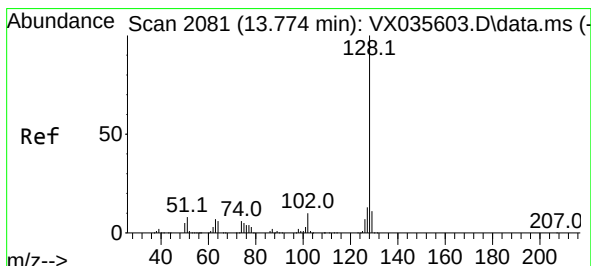
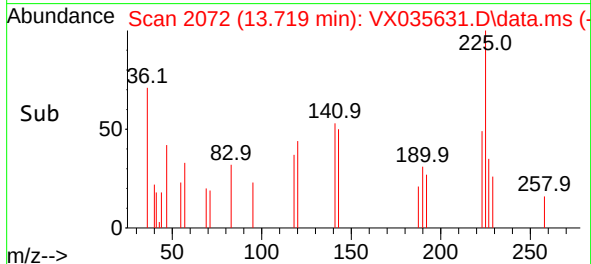
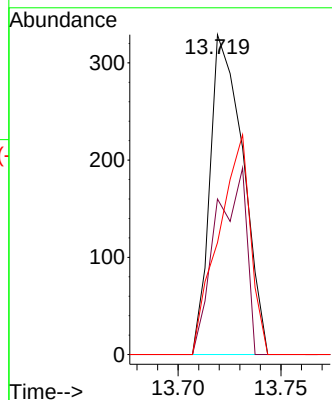
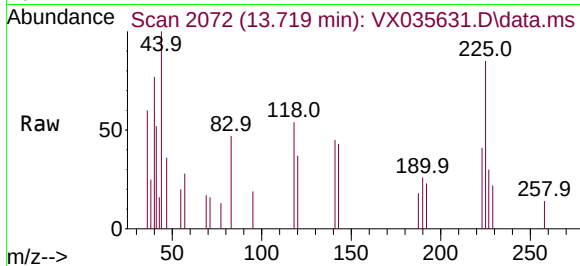




#94
Hexachlorobutadiene
Concen: 0.292 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

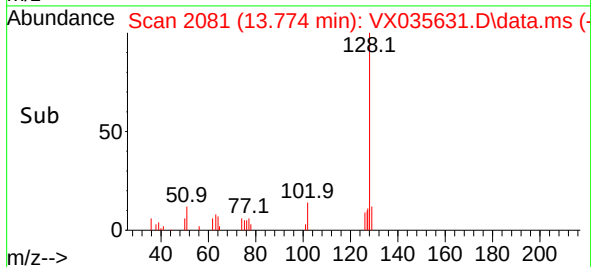
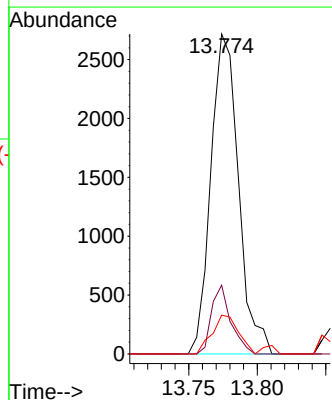
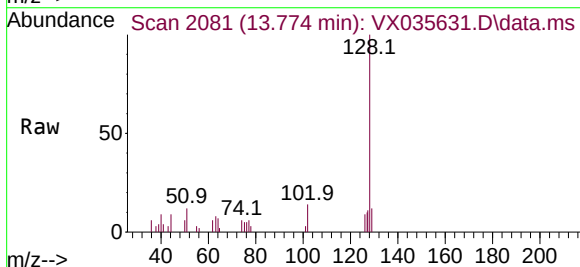
Instrument :
MSVOA_X
ClientSampleId :
50033

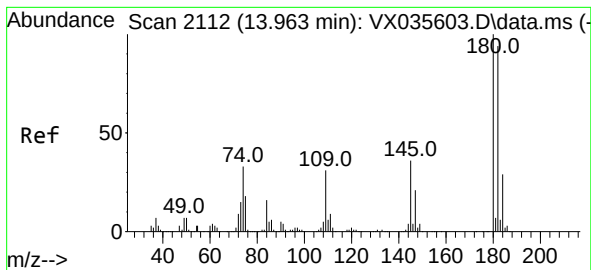
Tgt Ion:	225	Resp:	368
Ion	Ratio	Lower	Upper
225	100		
223	54.1	32.1	96.5
227	66.0	31.8	95.4



#95
Naphthalene
Concen: 0.351 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035631.D
Acq: 12 May 2023 12:34

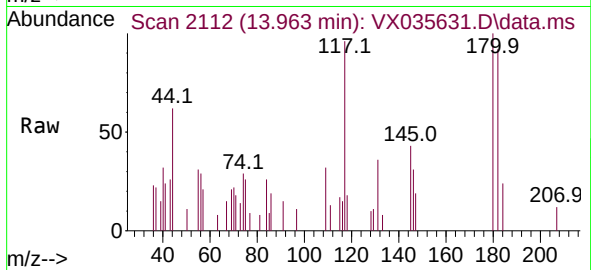
Tgt Ion:	128	Resp:	3811
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	11.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX035631.D
 Acq: 12 May 2023 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 50033



Tgt Ion:180 Resp: 718
 Ion Ratio Lower Upper
 180 100
 182 110.3 48.0 144.2
 145 56.7 17.7 53.1#

