

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044978.D
 Acq On : 18 Feb 2025 11:31
 Operator : JC/MD
 Sample : VX0218WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:08:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	92895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	191012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77390	56.912	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.820%	
35) Dibromofluoromethane	5.379	113	65431	52.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.380%	
50) Toluene-d8	8.647	98	243600	51.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	11.079	95	89284	56.396	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.800%	

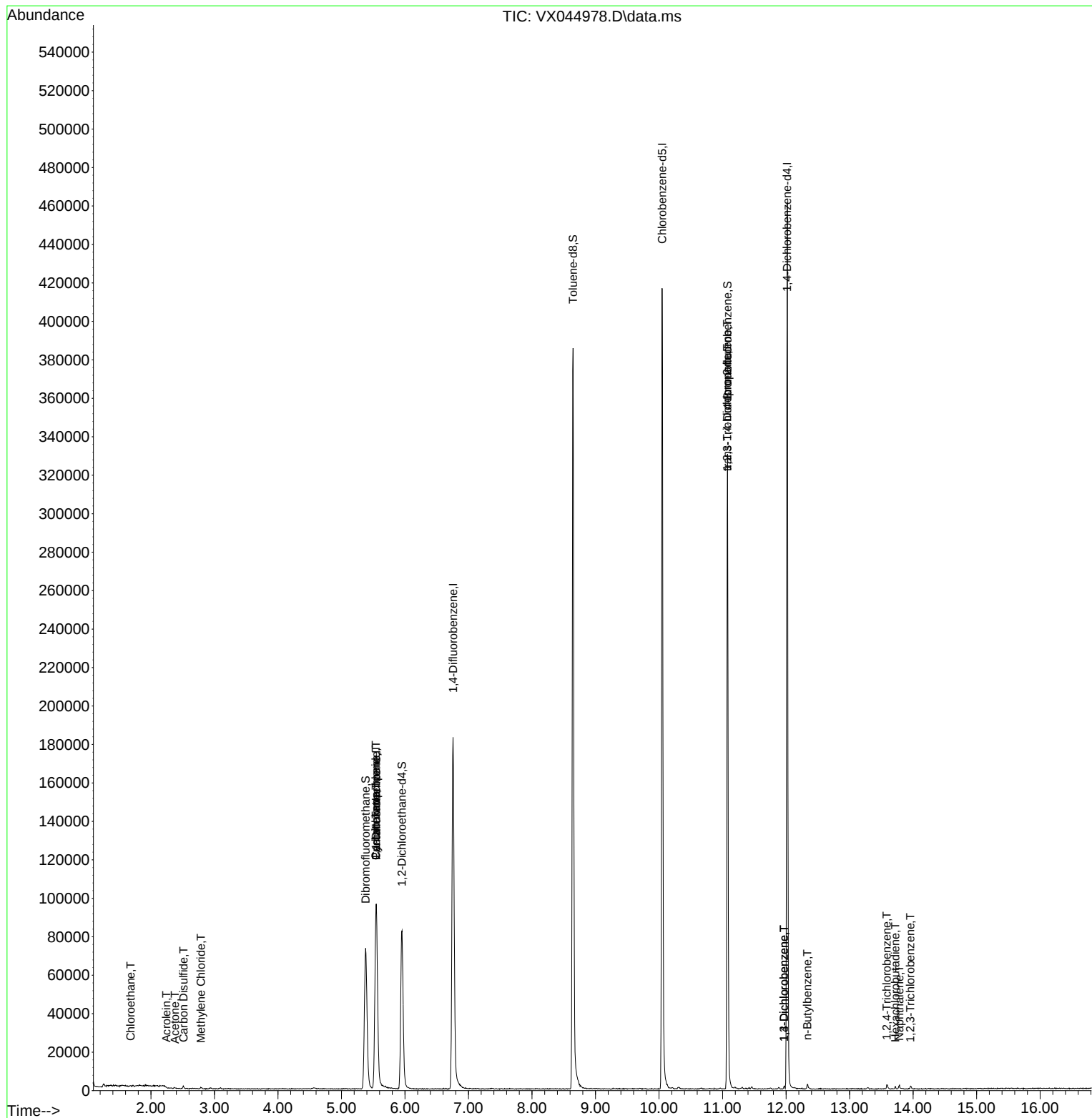
Target Compounds			Qvalue			
6) Chloroethane	1.679	64	22	1.371	ug/l #	42
13) Acrolein	2.239	56	166	0.638	ug/l #	15
16) Acetone	2.380	43	246	0.450	ug/l #	42
17) Carbon Disulfide	2.514	76	1228	0.374	ug/l #	76
20) Methylene Chloride	2.788	84	353	0.264	ug/l	94
31) Cyclohexane	5.544	56	2372	1.123	ug/l #	27
36) 1,1-Dichloropropene	5.544	75	8243	4.601	ug/l #	50
38) Carbon Tetrachloride	5.544	117	9703	5.526	ug/l #	17
76) 1,2,3-Trichloropropane	11.073	75	48433	23.925	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.073	75	48433	61.544	ug/l #	11
87) 1,3-Dichlorobenzene	11.969	146	642	0.209	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	642	0.207	ug/l	93
89) n-Butylbenzene	12.335	91	1283	0.241	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	815	0.447	ug/l	94
94) Hexachlorobutadiene	13.719	225	236	0.326	ug/l	78
95) Naphthalene	13.786	128	1985	0.301	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.957	180	687	0.374	ug/l	74

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

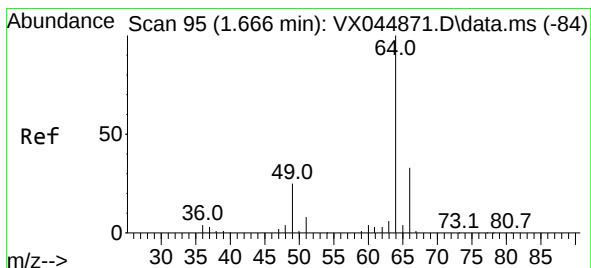
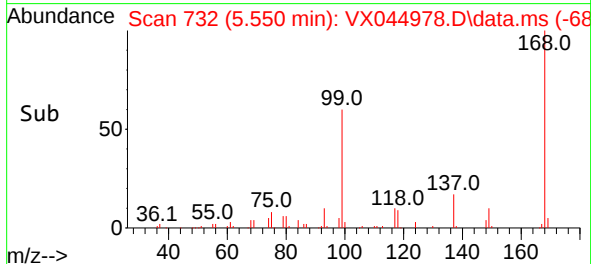
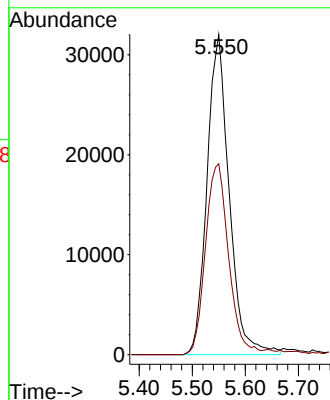
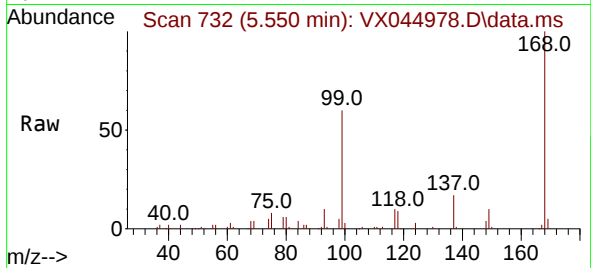




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

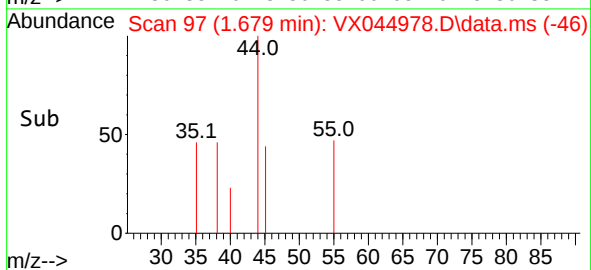
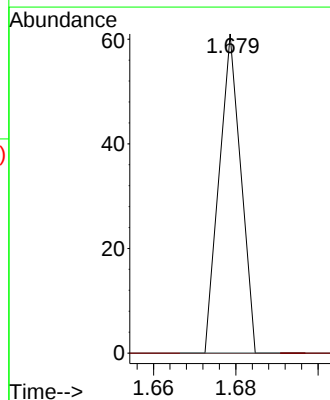
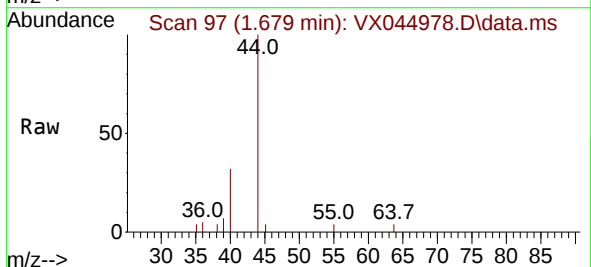
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MSVOA_X
ClientSampleId :

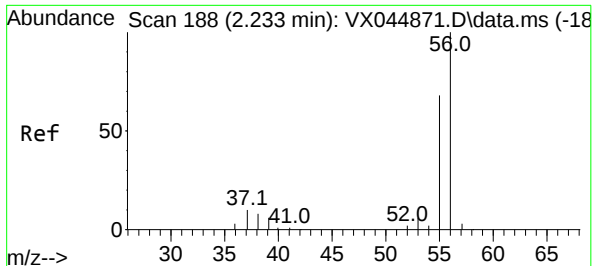
Tgt Ion:168 Resp: 92895
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8



#6
Chloroethane
Concen: 1.371 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.013 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

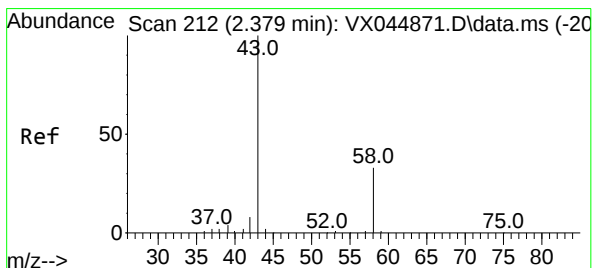
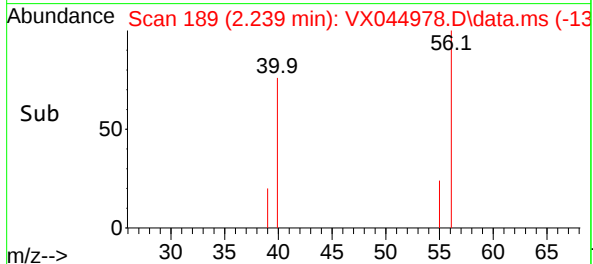
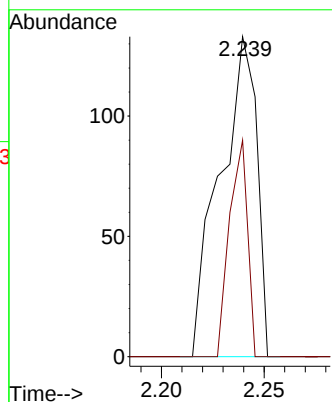
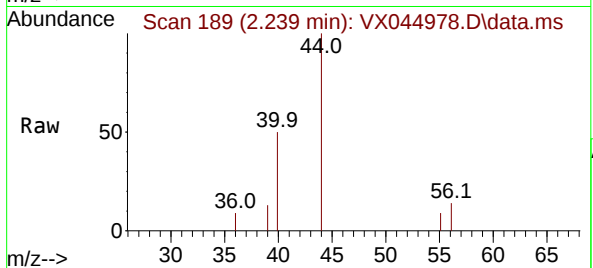




#13
Acrolein
Concen: 0.638 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

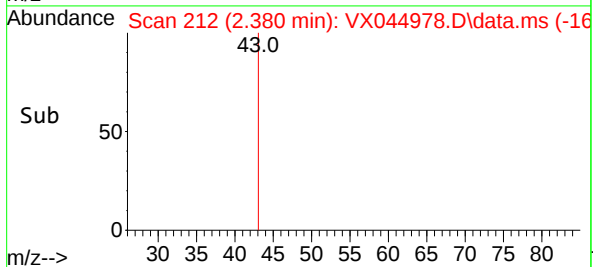
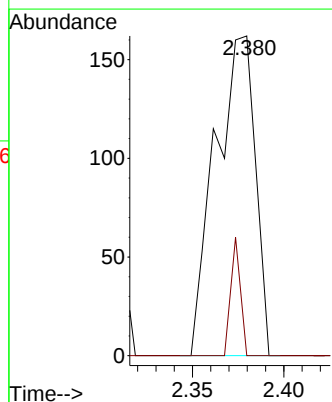
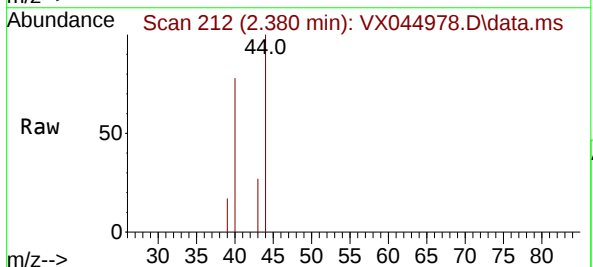
Instrument :
MSVOA_X
ClientSampleId :

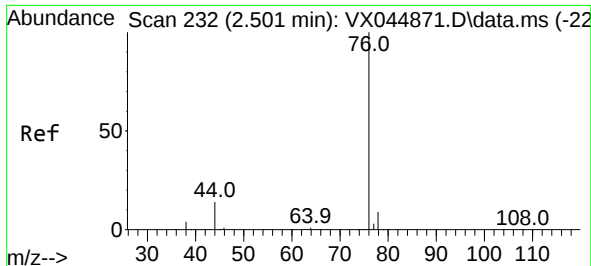
Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 0.450 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#

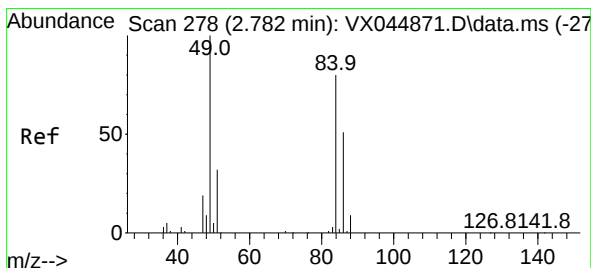
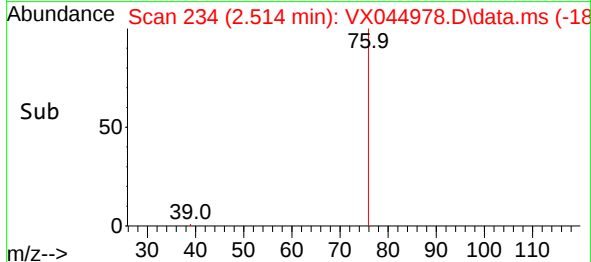
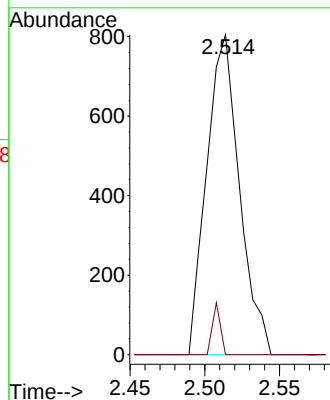
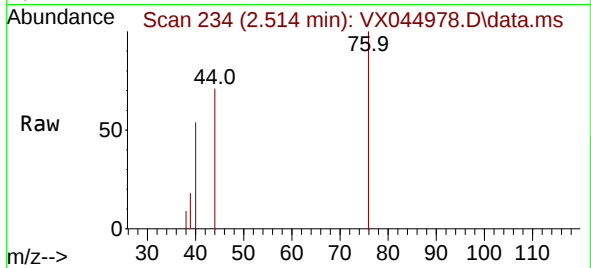




#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

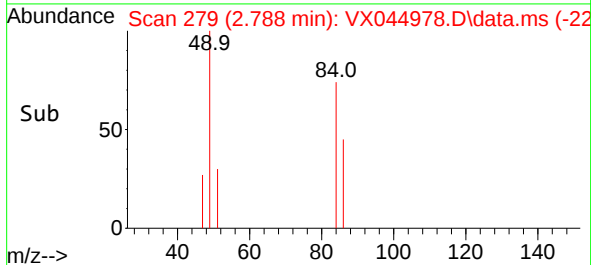
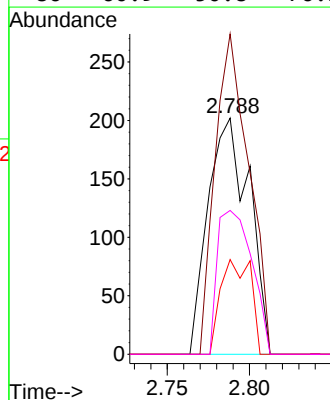
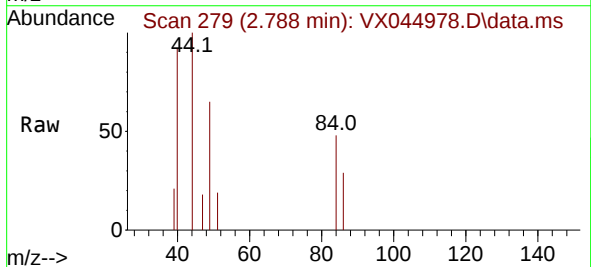
Instrument :
MSVOA_X
ClientSampleId :

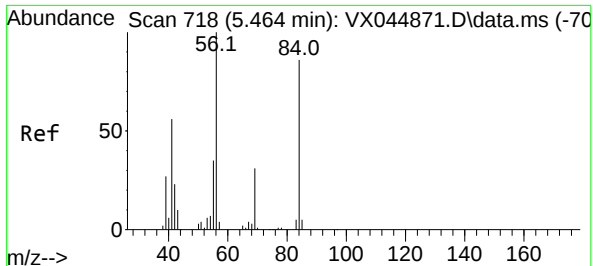
Tgt Ion: 76 Resp: 1228
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

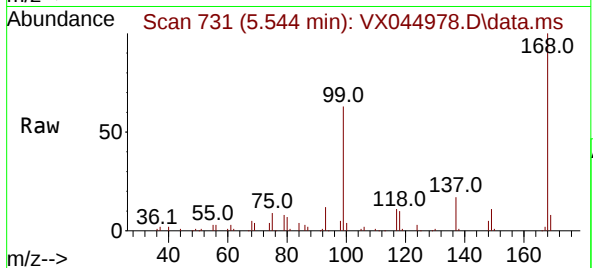
Tgt Ion: 84 Resp: 353
Ion Ratio Lower Upper
84 100
49 135.6 100.1 150.1
51 40.1 31.7 47.5
86 60.9 50.8 76.2



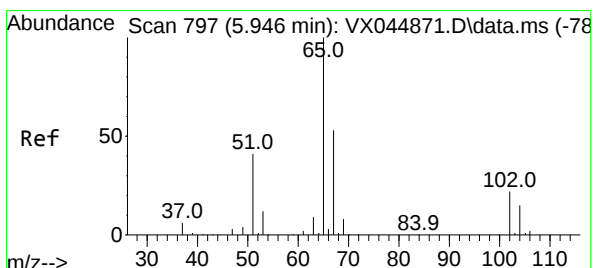
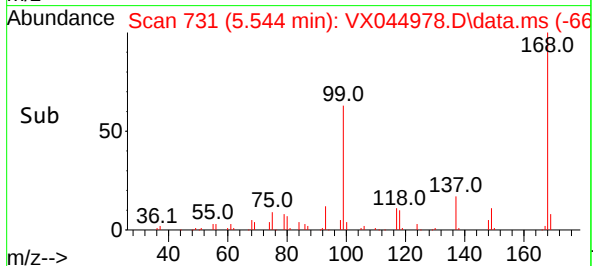
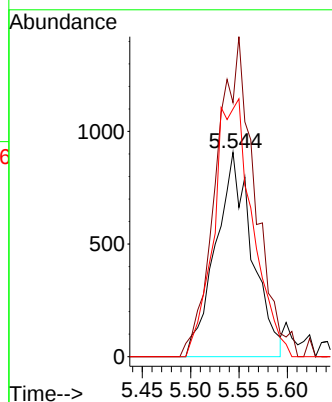


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :

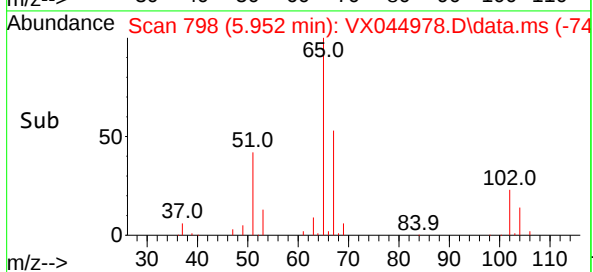
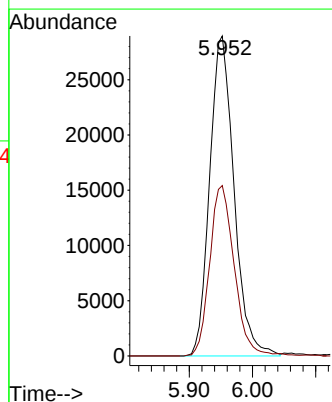
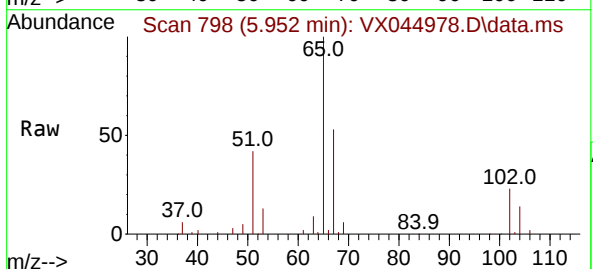


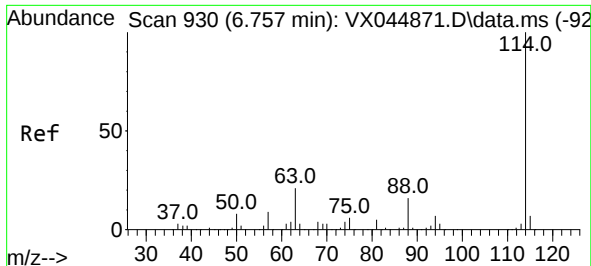
Tgt Ion: 56 Resp: 2372
Ion Ratio Lower Upper
56 100
69 124.4 24.4 36.6#
84 121.3 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 56.912 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 65 Resp: 77390
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.2

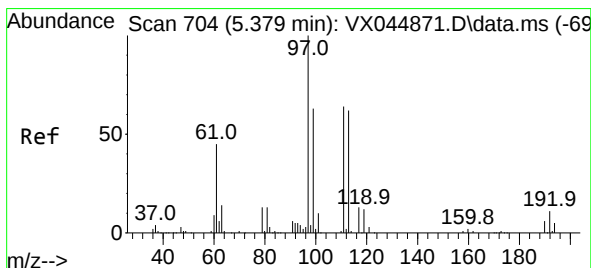
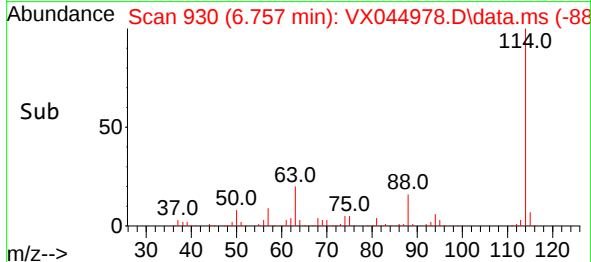
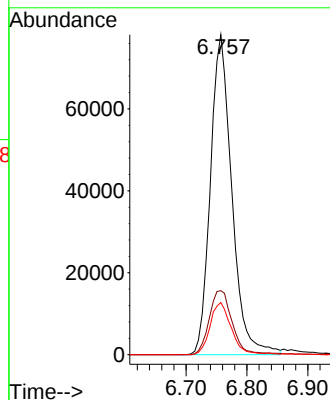
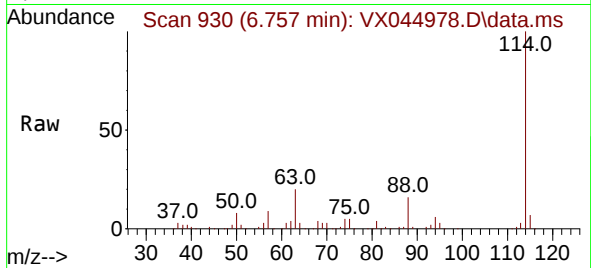




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

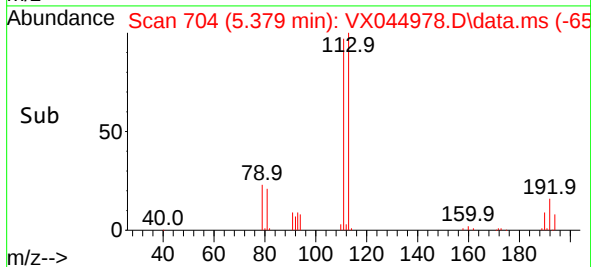
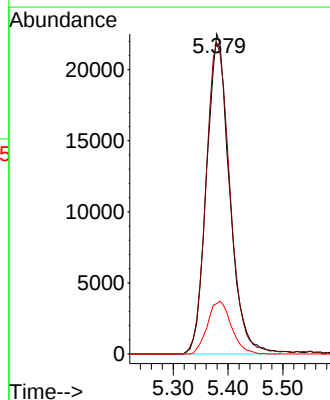
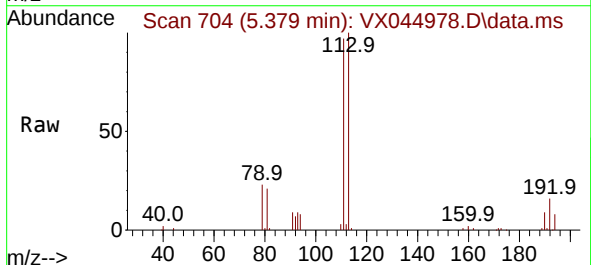
Instrument :
MSVOA_X
ClientSampleId :

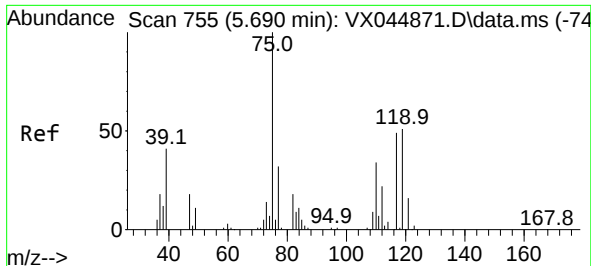
Tgt Ion:114 Resp: 191012
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.686 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

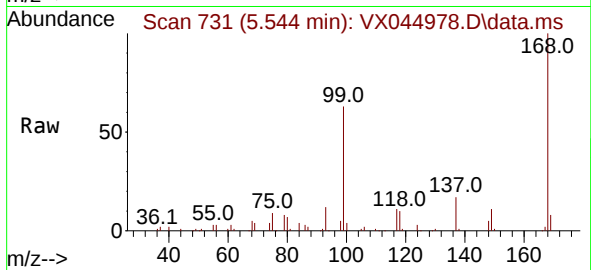
Tgt Ion:113 Resp: 65431
Ion Ratio Lower Upper
113 100
111 101.7 83.5 125.3
192 17.1 14.4 21.6



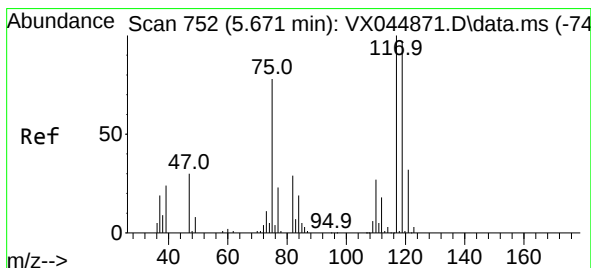
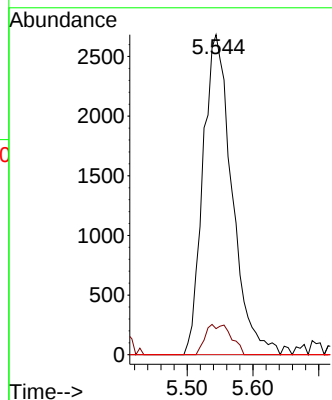
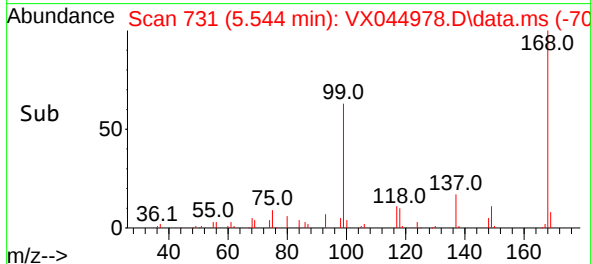


#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX044978.D
 Acq: 18 Feb 2025 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

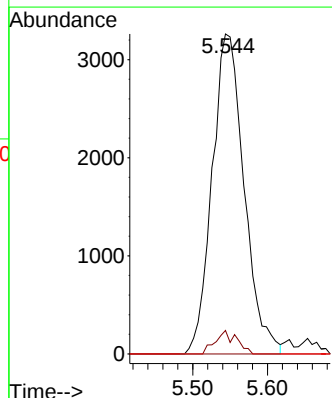
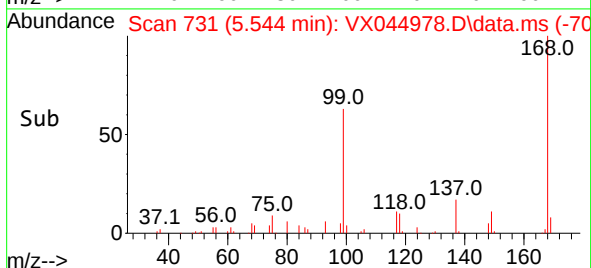
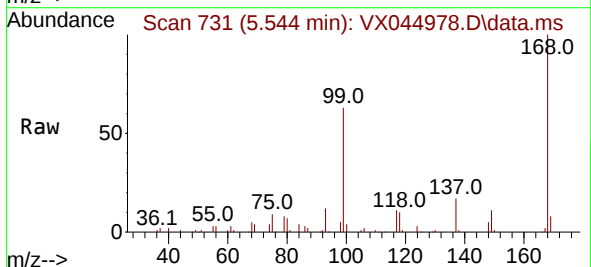


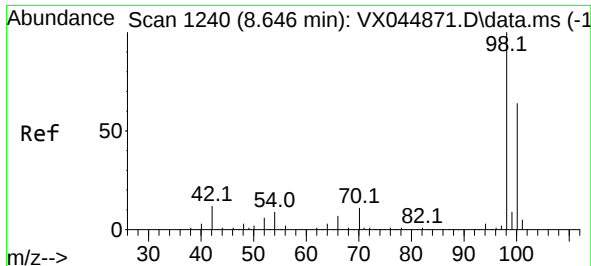
Tgt Ion: 75 Resp: 8243
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.6#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.526 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX044978.D
 Acq: 18 Feb 2025 11:31

Tgt Ion: 117 Resp: 9703
 Ion Ratio Lower Upper
 117 100
 119 7.3 77.5 116.3#
 121 0.0 25.6 38.4#

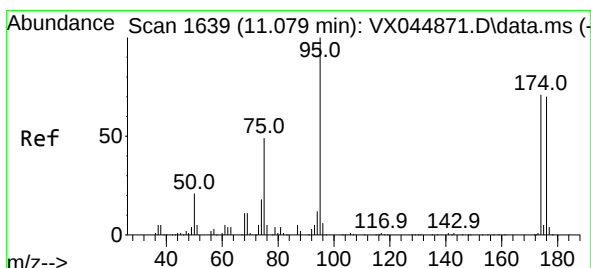
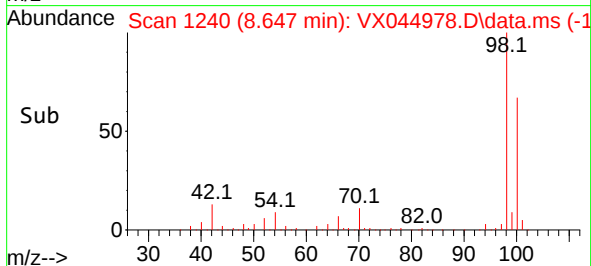
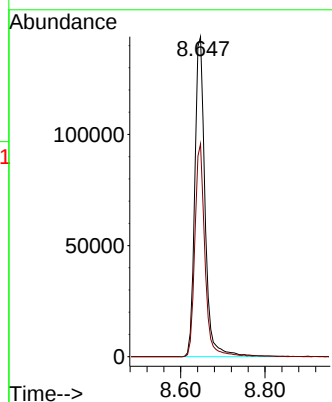
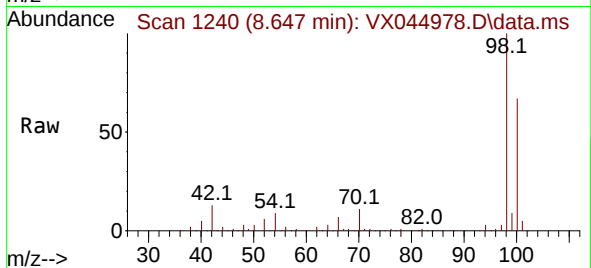




#50
Toluene-d8
Concen: 51.873 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

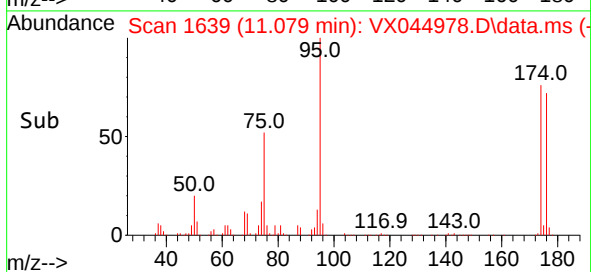
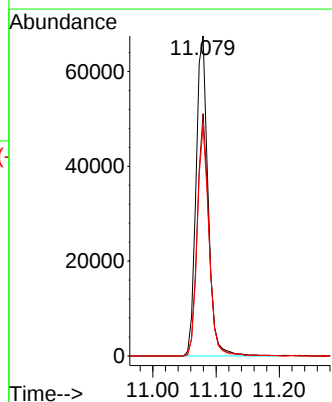
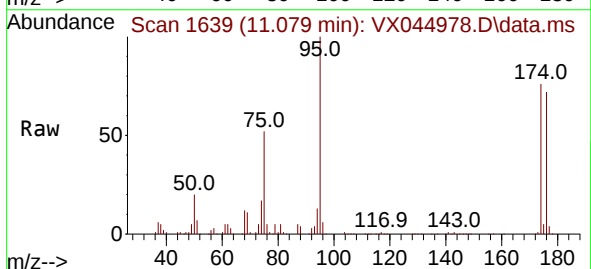
Instrument :
MSVOA_X
ClientSampleId :

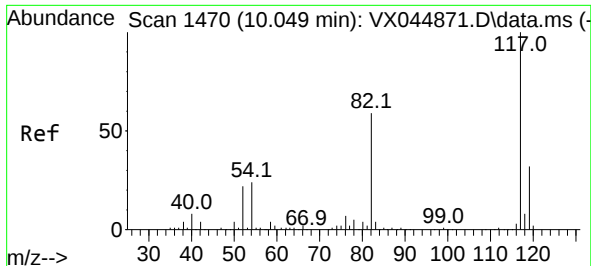
Tgt Ion: 98 Resp: 243600
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 56.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

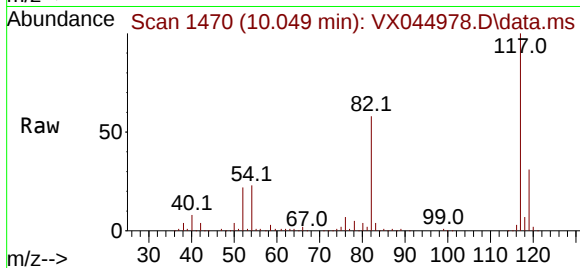
Tgt Ion: 95 Resp: 89284
Ion Ratio Lower Upper
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174 73.4 0.0 142.6
176 70.1 0.0 141.6



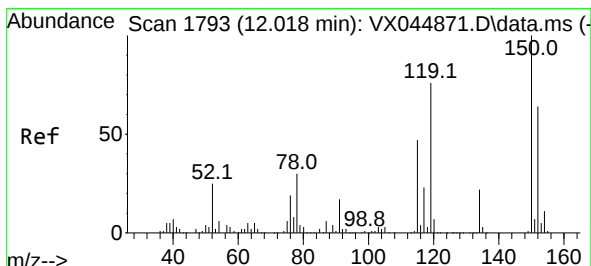
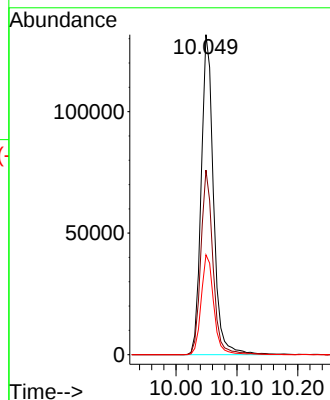
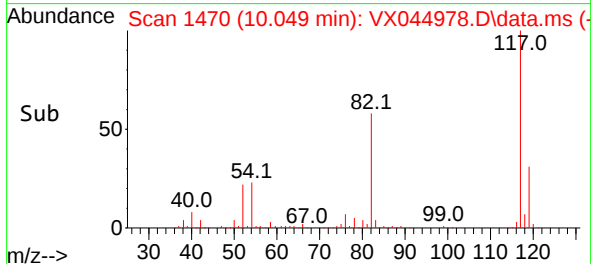


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :

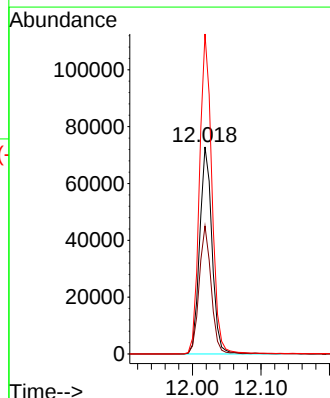
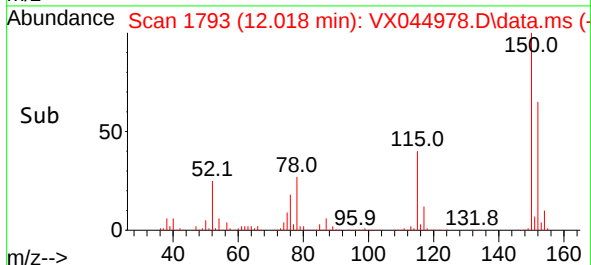
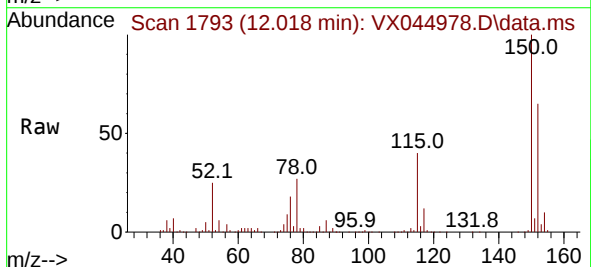


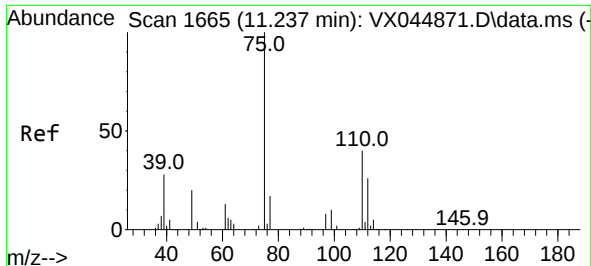
Tgt Ion:117 Resp: 185140
Ion Ratio Lower Upper
117 100
82 57.7 47.5 71.3
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion:152 Resp: 91305
Ion Ratio Lower Upper
152 100
115 60.2 43.4 130.1
150 155.1 0.0 350.4

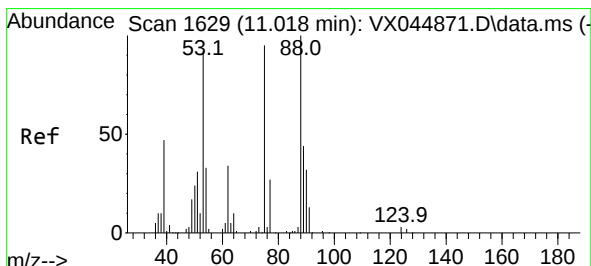
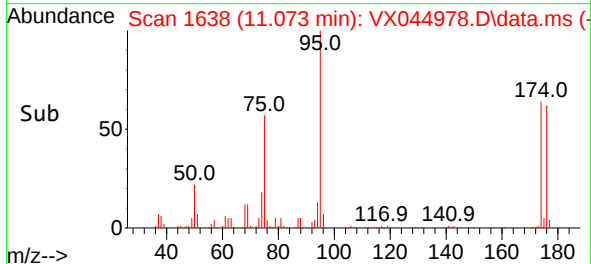
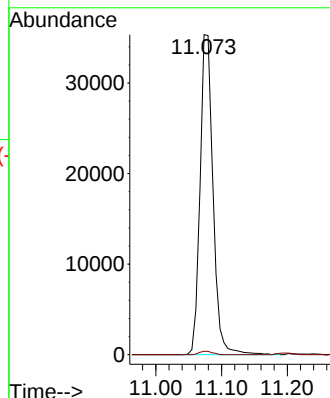
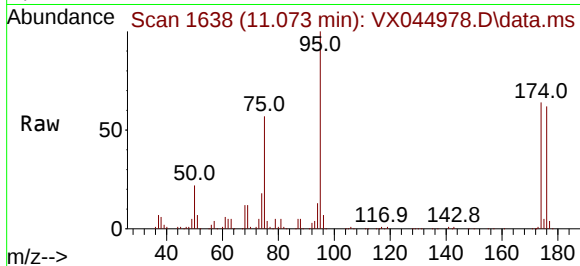




#76
1,2,3-Trichloropropane
Concen: 23.925 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. -0.164 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

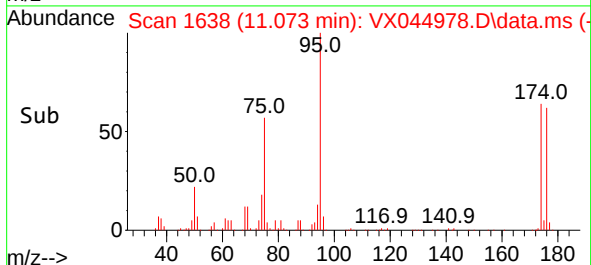
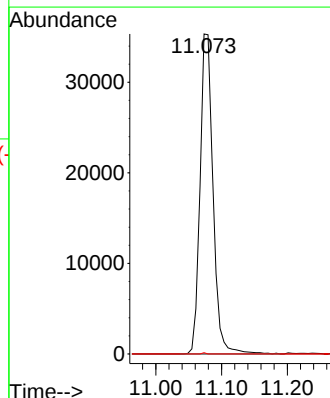
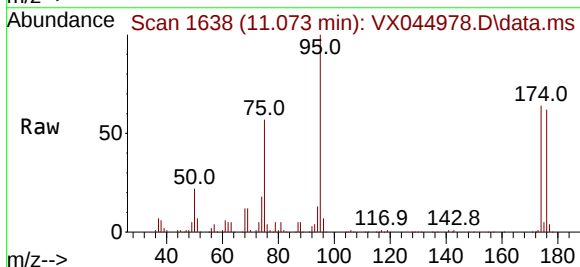
Instrument :
MSVOA_X
ClientSampleId :

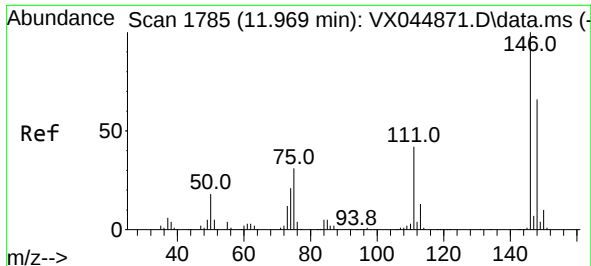
Tgt Ion: 75 Resp: 48433
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.544 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.055 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

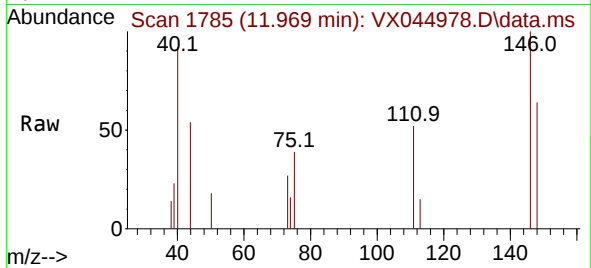
Tgt Ion: 75 Resp: 48433
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 36.6 54.8#



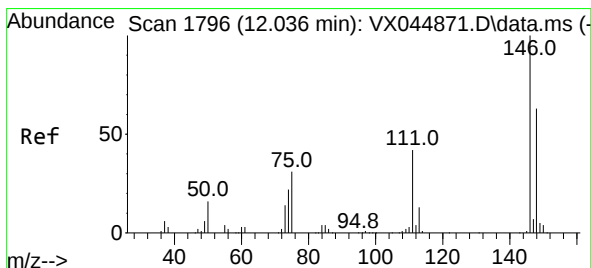
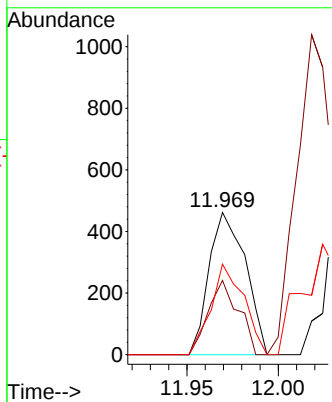
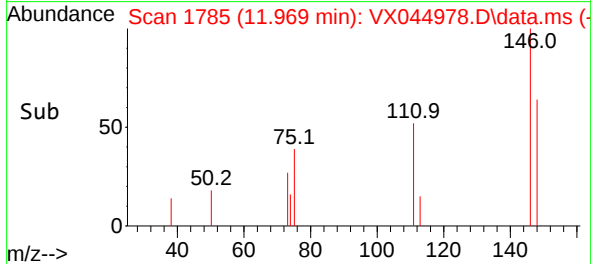


#87
1,3-Dichlorobenzene
Concen: 0.209 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

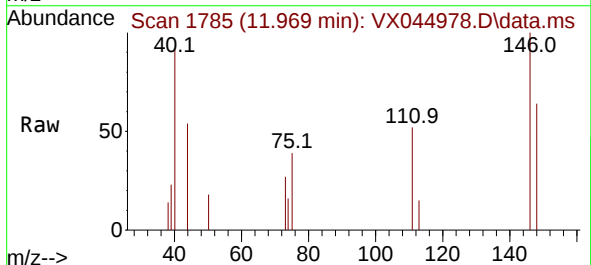
Instrument :
MSVOA_X
ClientSampleId :



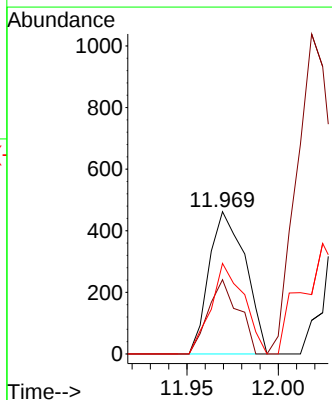
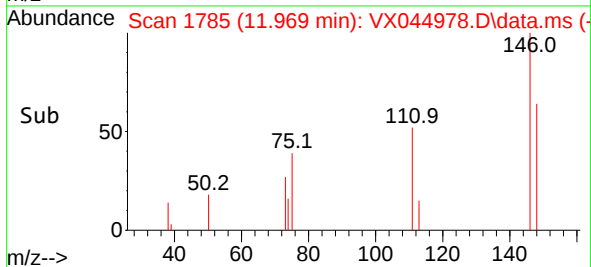
Tgt Ion:146 Resp: 642
Ion Ratio Lower Upper
146 100
111 43.3 21.2 63.6
148 57.5 32.5 97.5

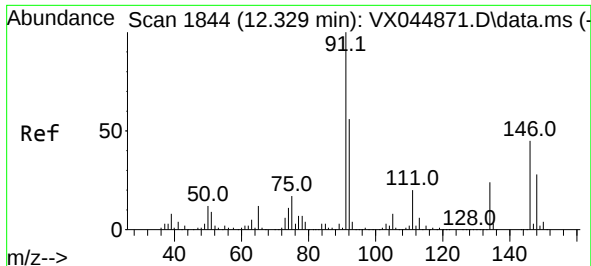


#88
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31



Tgt Ion:146 Resp: 642
Ion Ratio Lower Upper
146 100
111 43.3 20.4 61.3
148 57.5 32.0 96.0

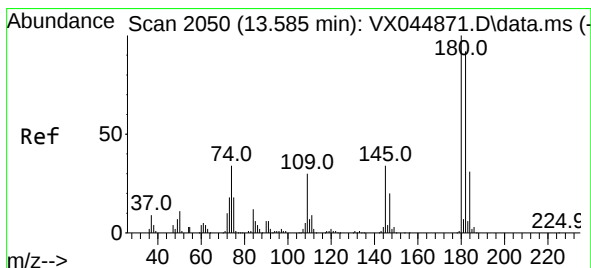
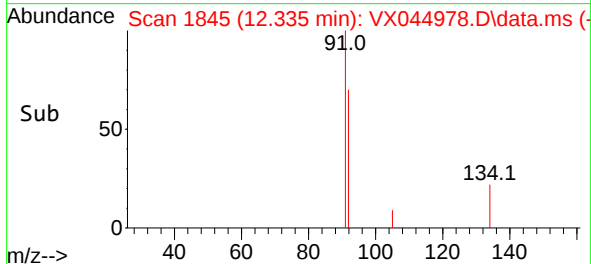
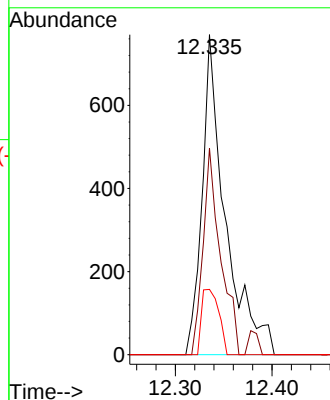
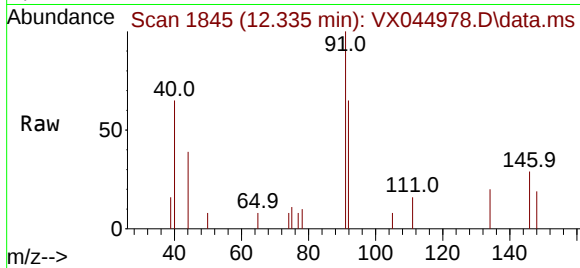




#89
n-Butylbenzene
Concen: 0.241 ug/l
RT: 12.335 min Scan# 1844
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

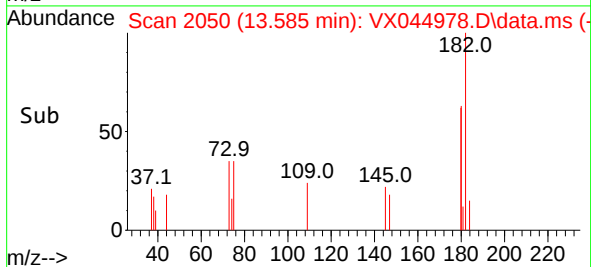
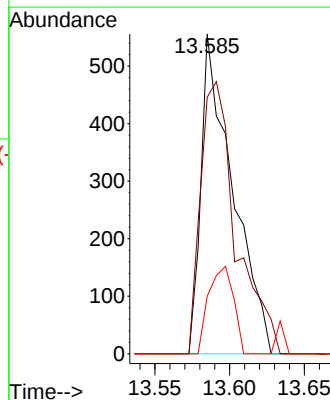
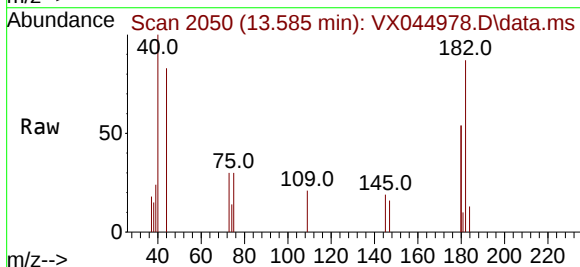
Instrument :
MSVOA_X
ClientSampleId :

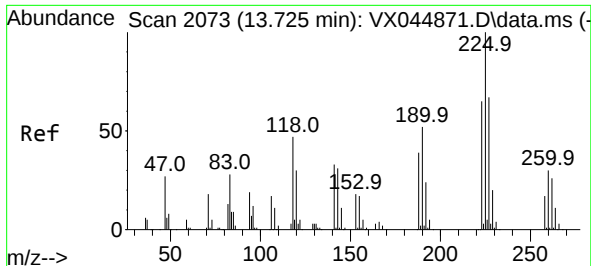
Tgt Ion: 91 Resp: 1283
Ion Ratio Lower Upper
91 100
92 48.9 27.2 81.6
134 15.1 12.1 36.3



#93
1,2,4-Trichlorobenzene
Concen: 0.447 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

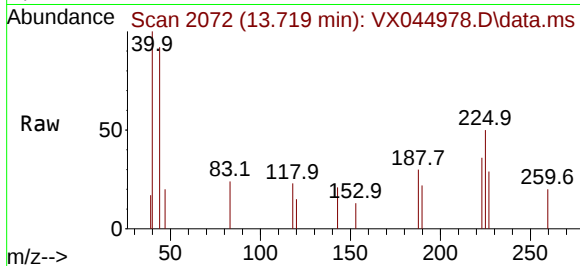
Tgt Ion: 180 Resp: 815
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 21.6 16.4 49.1



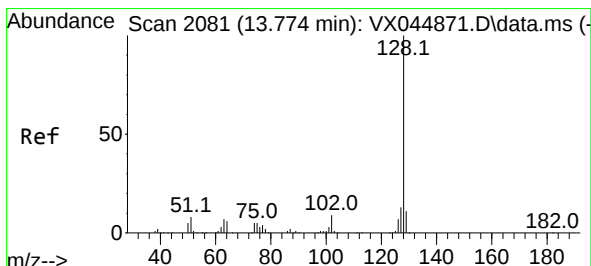
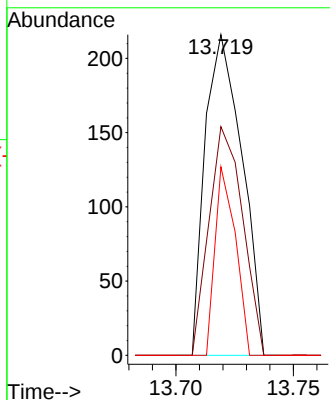
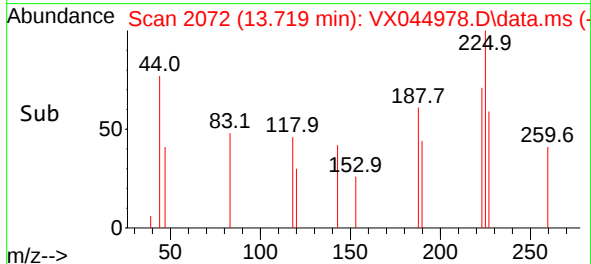


#94
Hexachlorobutadiene
Concen: 0.326 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :

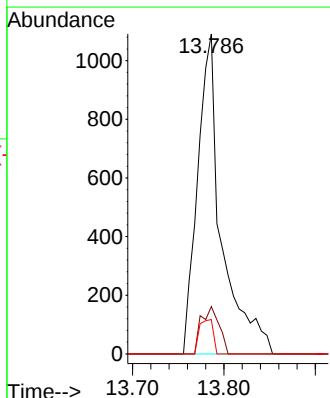
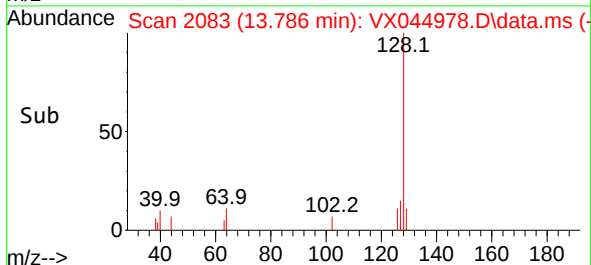
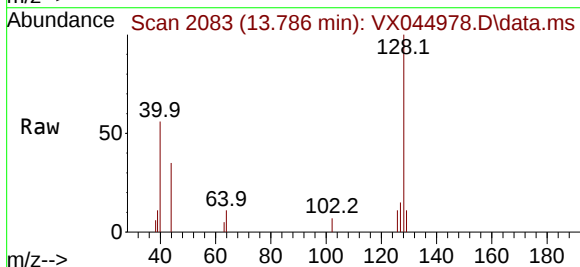


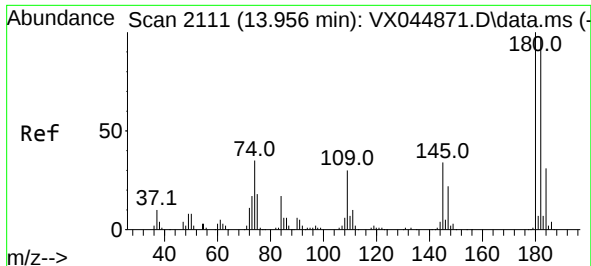
Tgt Ion:	225	Resp:	236
Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.4	94.2
227	32.6	32.3	96.8



#95
Naphthalene
Concen: 0.301 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.013 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

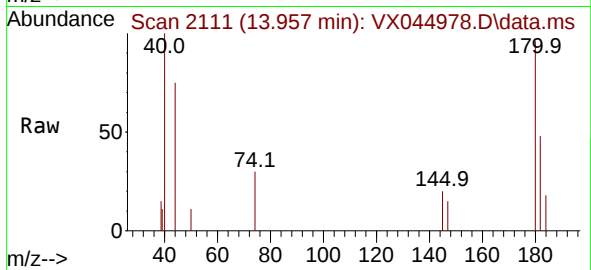
Tgt Ion:	128	Resp:	1985
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.1	15.1
129	6.1	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.374 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX044978.D
 Acq: 18 Feb 2025 11:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180	Resp:	687
Ion	Ratio	Lower Upper
180	100	
182	68.1	47.9 143.6
145	22.0	17.1 51.3

