

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045212.D
 Acq On : 11 Mar 2025 10:27
 Operator : JC/MD
 Sample : VX0311MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311MBL01

Quant Time: Mar 12 01:42:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

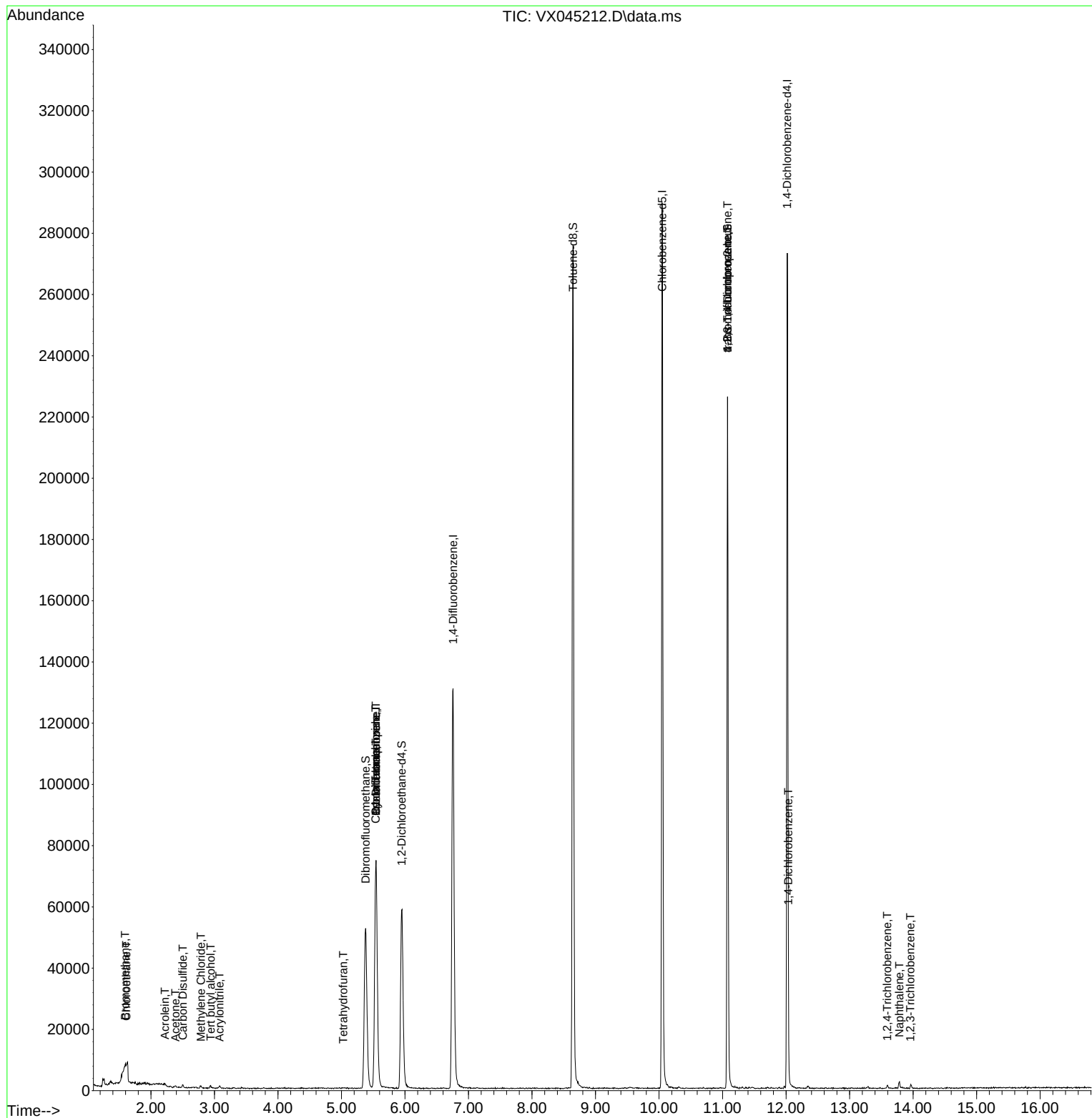
Internal Standards						
1) Pentafluorobenzene	5.544	168	68851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134054	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57388	52.401	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	5.379	113	46533	51.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	8.647	98	169106	52.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	11.079	95	57982	53.844	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds						Qvalue
5) Bromomethane	1.593	94	233	0.563	ug/l #	74
6) Chloroethane	1.611	64	112	0.231	ug/l #	41
11) Tert butyl alcohol	2.940	59	232	1.118	ug/l #	73
13) Acrolein	2.221	56	117	0.488	ug/l #	15
15) Acrylonitrile	3.081	53	321	0.577	ug/l #	70
16) Acetone	2.386	43	572	1.126	ug/l #	44
17) Carbon Disulfide	2.502	76	1228	0.545	ug/l #	90
20) Methylene Chloride	2.788	84	289	0.287	ug/l #	39
29) Tetrahydrofuran	5.025	42	222	0.432	ug/l #	34
31) Cyclohexane	5.544	56	1807	1.213	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6237	5.074	ug/l #	48
38) Carbon Tetrachloride	5.538	117	7589	6.081	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	31697	25.386	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31697	86.875	ug/l #	6
88) 1,4-Dichlorobenzene	12.036	146	369	0.207	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	343	0.341	ug/l	90
95) Naphthalene	13.786	128	2324	0.601	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.957	180	600	0.565	ug/l #	79

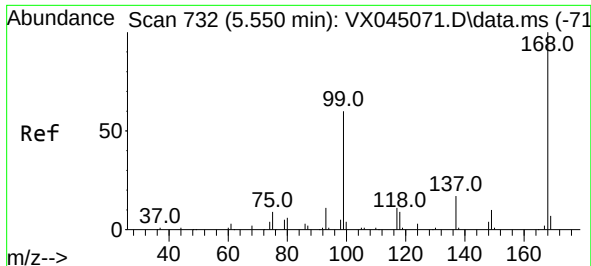
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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Quant Time: Mar 12 01:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

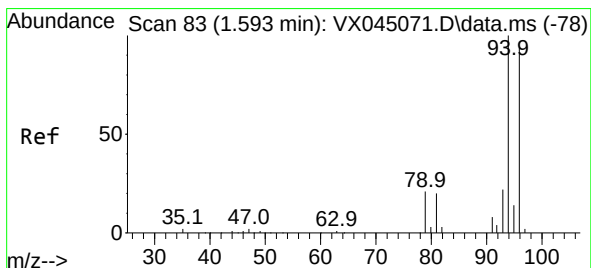
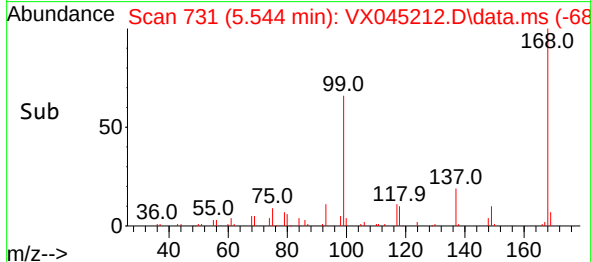
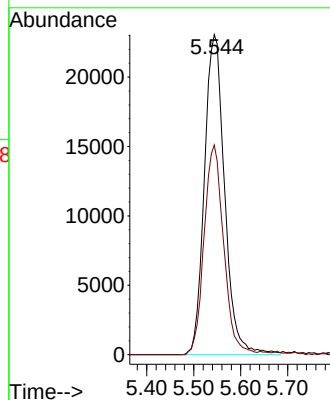
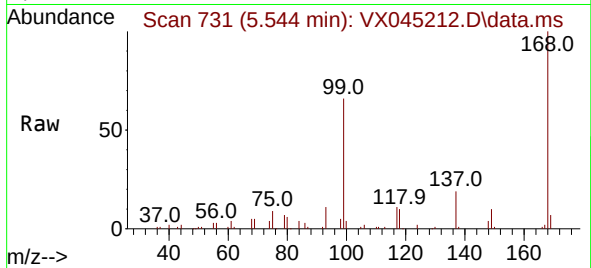




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

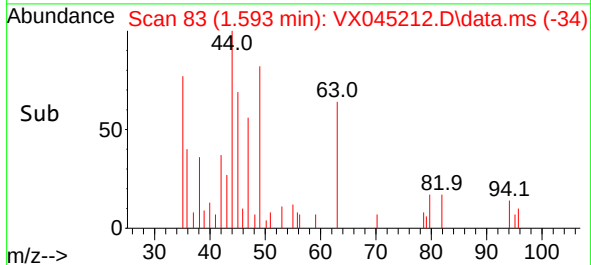
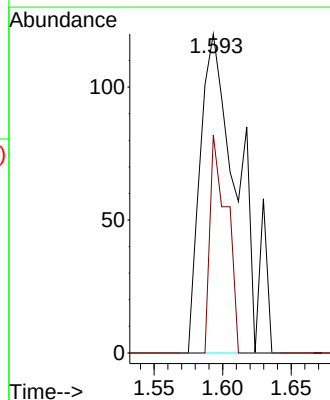
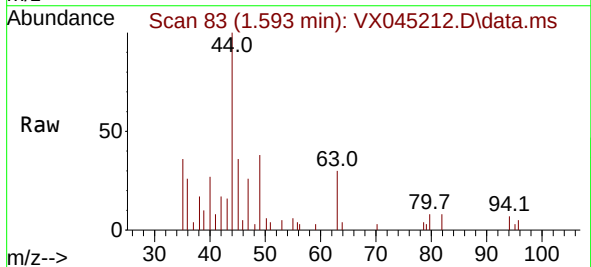
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

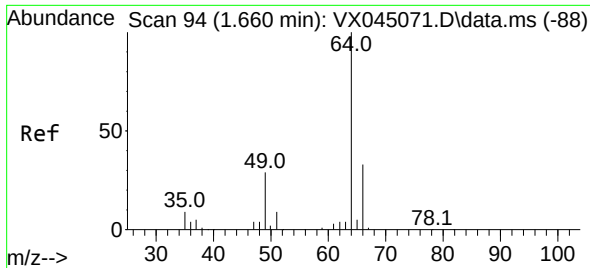
Tgt Ion:168 Resp: 68851
Ion Ratio Lower Upper
168 100
99 65.5 48.2 72.4



#5
Bromomethane
Concen: 0.563 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 68.3 75.0 112.4#

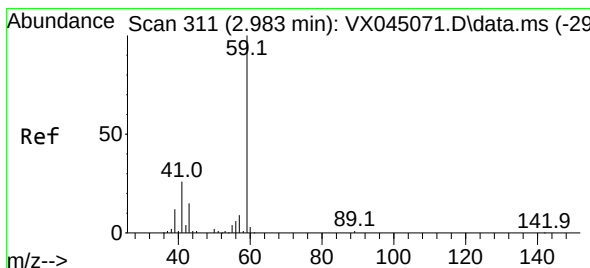
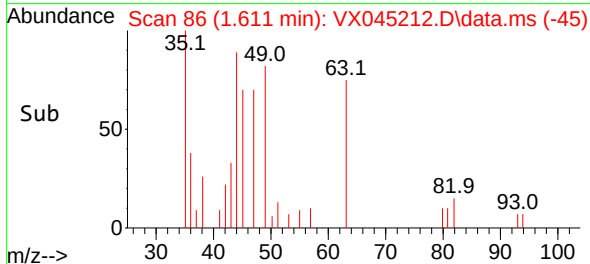
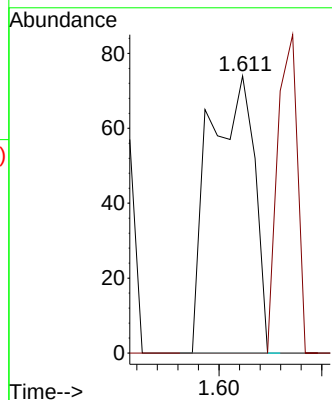
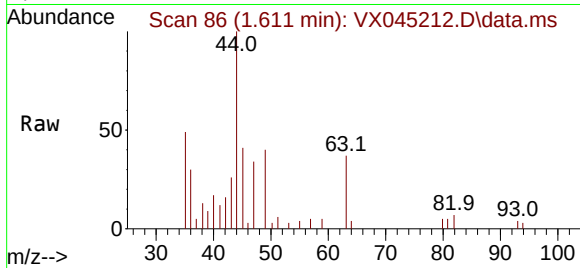




#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.049 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

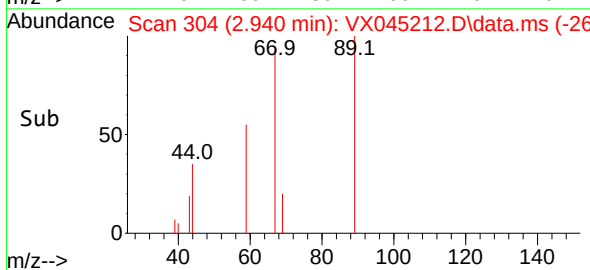
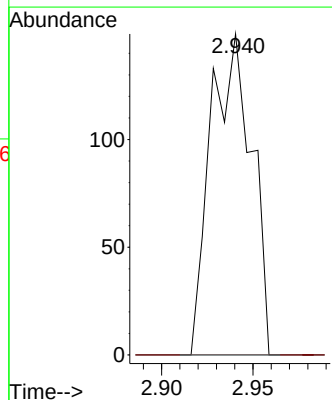
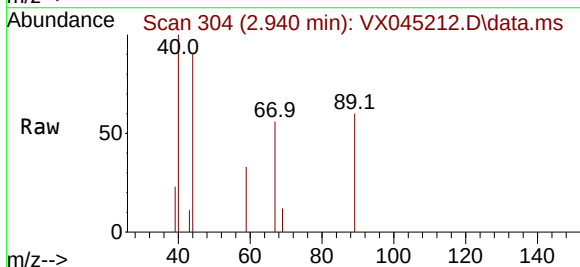
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

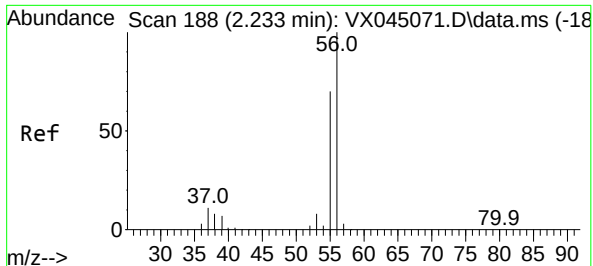
Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 1.118 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

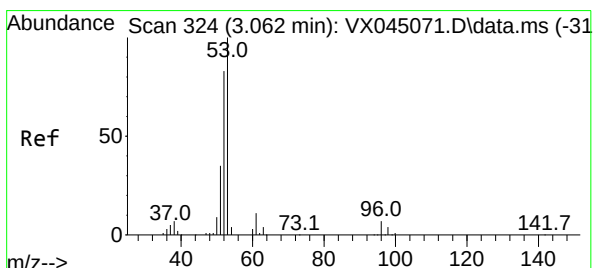
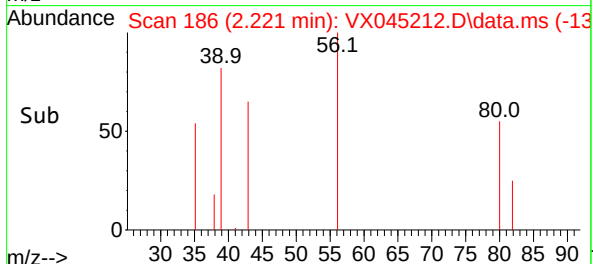
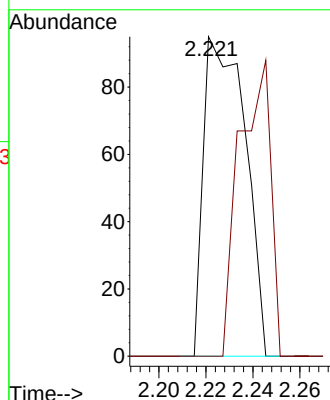
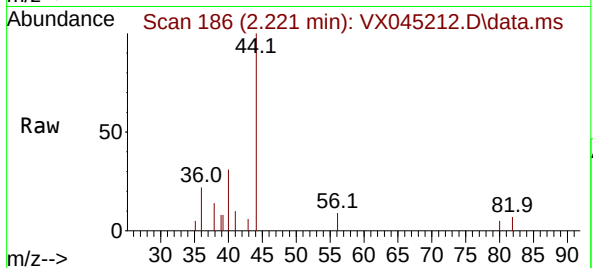




#13
Acrolein
Concen: 0.488 ug/l
RT: 2.221 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

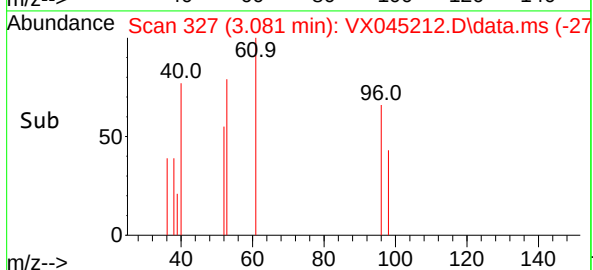
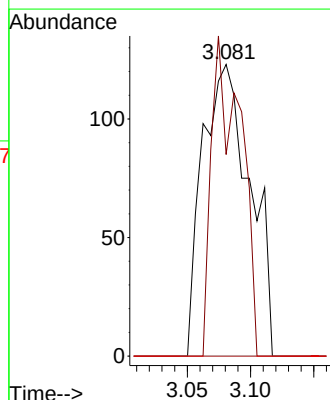
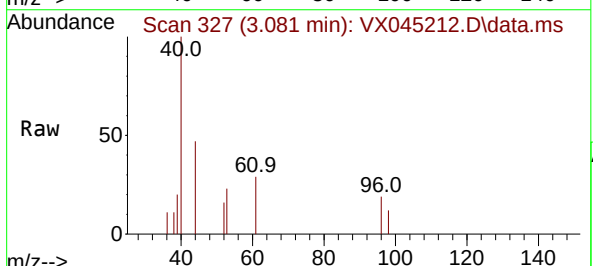
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

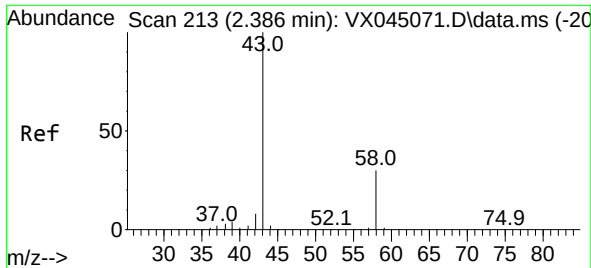
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#15
Acrylonitrile
Concen: 0.577 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 53 Resp: 321
Ion Ratio Lower Upper
53 100
52 67.6 66.2 99.2
51 0.0 29.0 43.4#

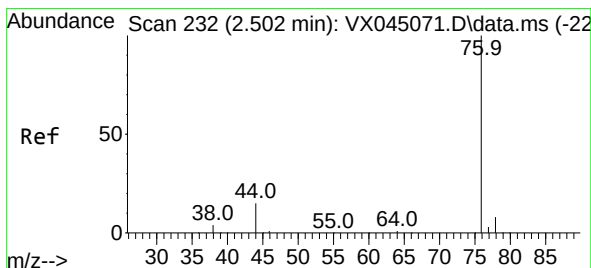
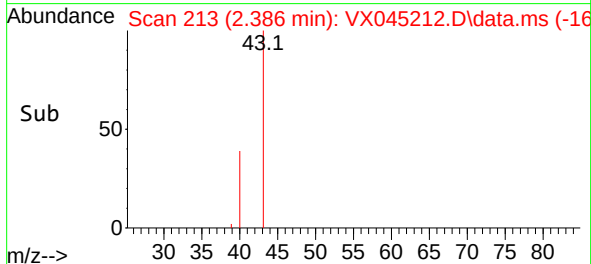
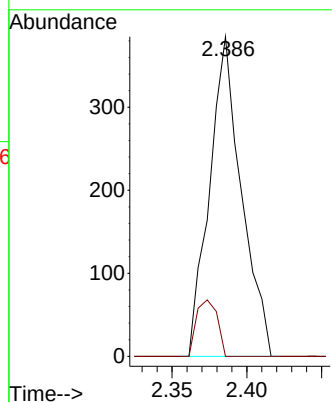
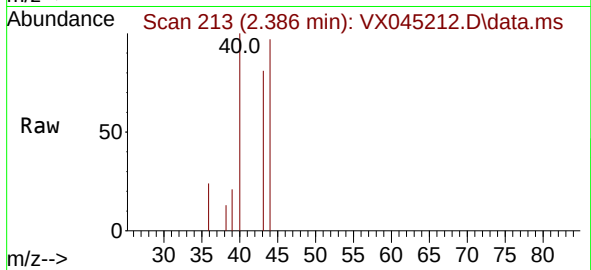




#16
Acetone
Concen: 1.126 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

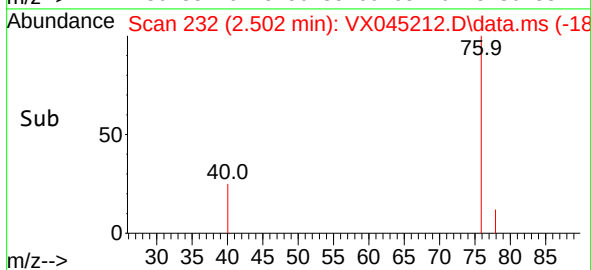
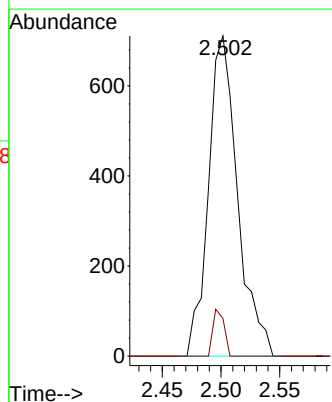
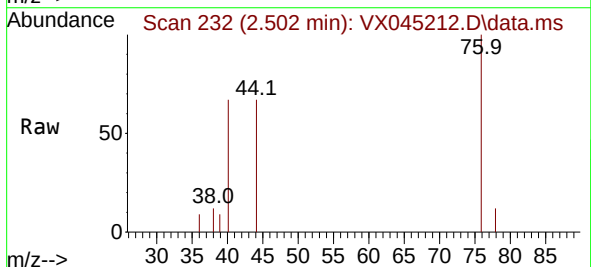
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

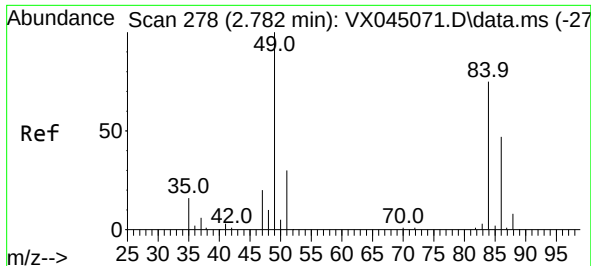
Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



#17
Carbon Disulfide
Concen: 0.545 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 76 Resp: 1228
Ion Ratio Lower Upper
76 100
78 11.8 6.6 9.8#

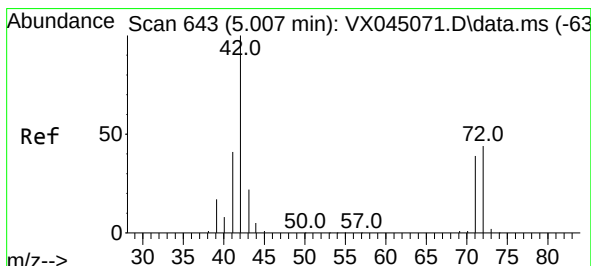
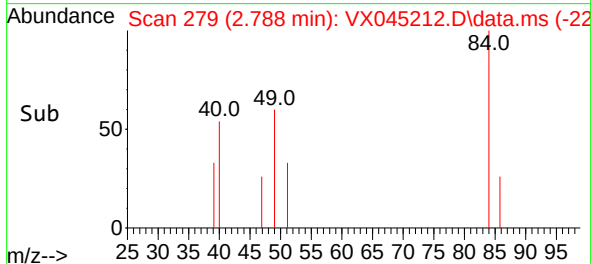
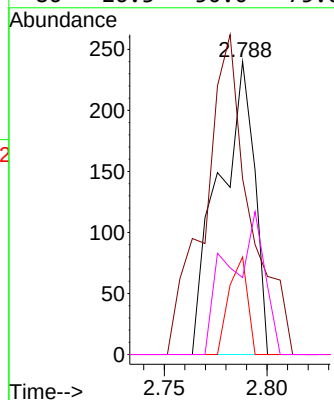
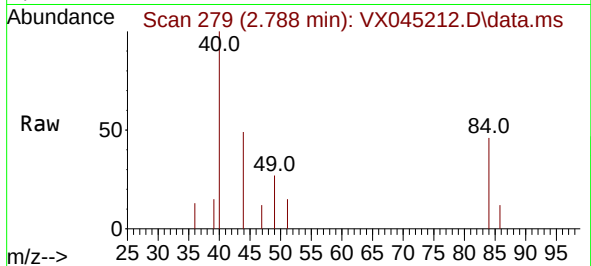




#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

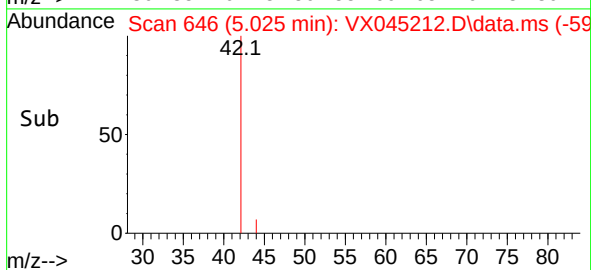
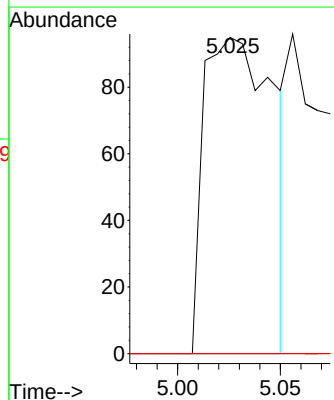
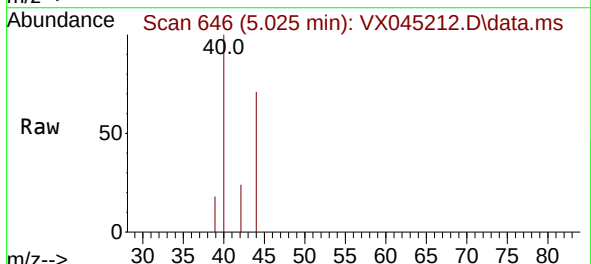
Instrument :
MSVOA_X
ClientSampleId :
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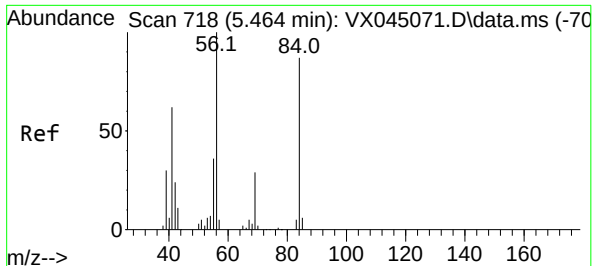
Tgt Ion:	84	Resp:	289
Ion	Ratio	Lower	Upper
84	100		
49	34.6	106.5	159.7#
51	33.3	32.1	48.1
86	26.3	50.0	75.0#



#29
Tetrahydrofuran
Concen: 0.432 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

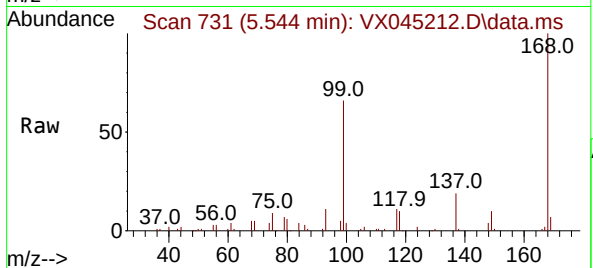
Tgt Ion:	42	Resp:	222
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



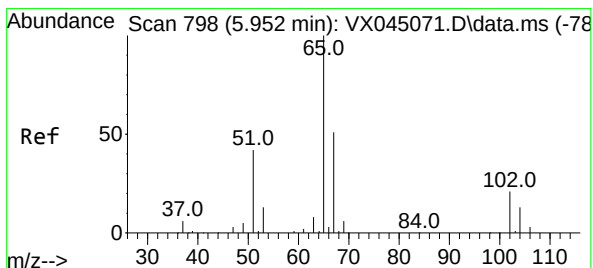
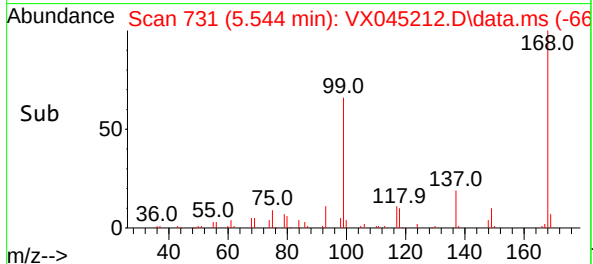
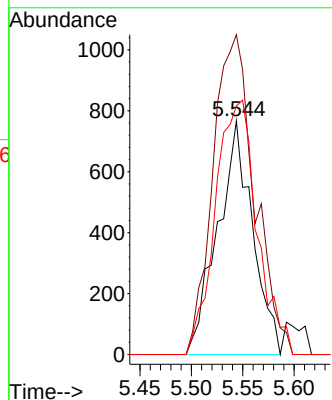


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

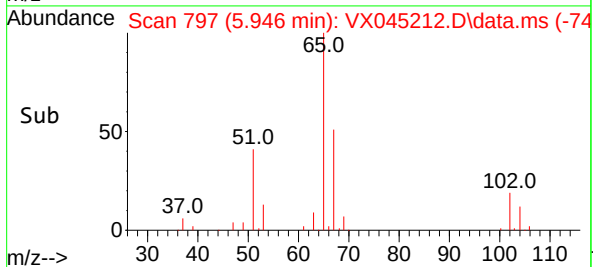
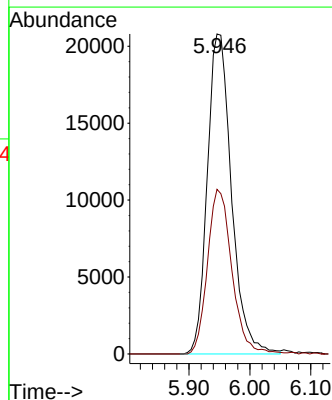
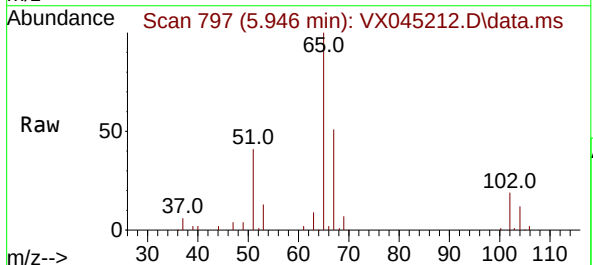


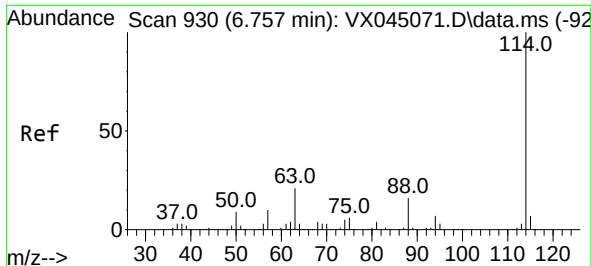
Tgt Ion: 56 Resp: 1807
Ion Ratio Lower Upper
56 100
69 136.9 23.4 35.2#
84 106.4 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.401 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 65 Resp: 57388
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2

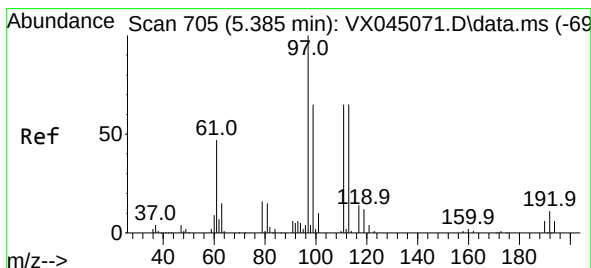
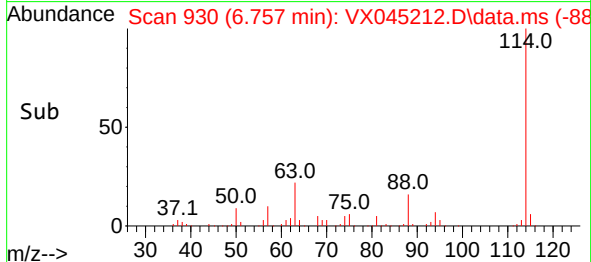
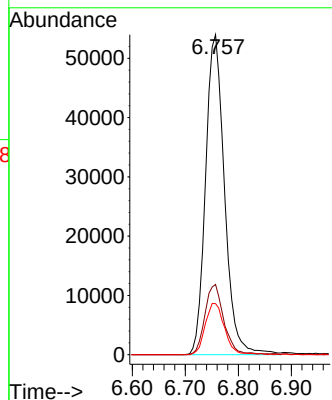
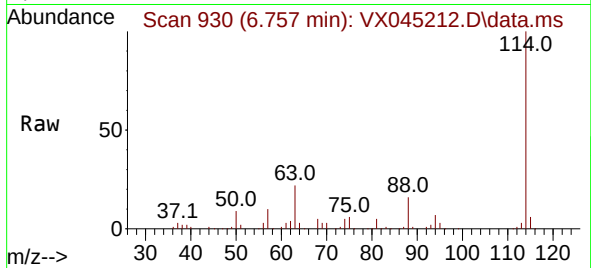




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

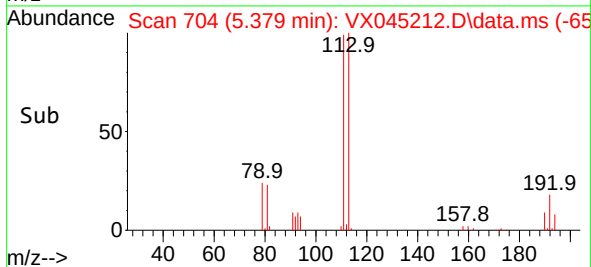
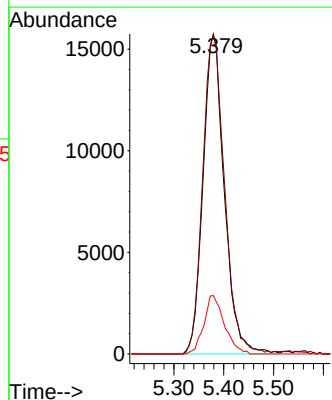
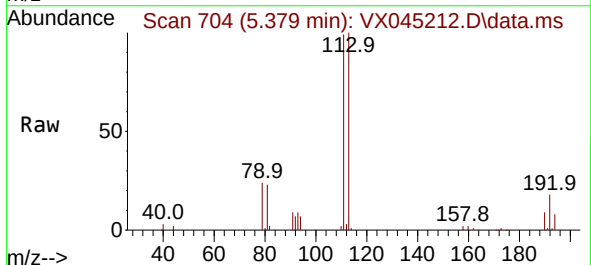
Instrument :
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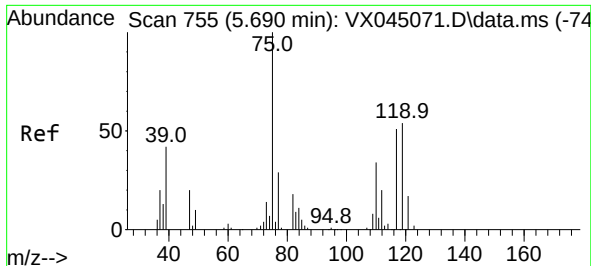
Tgt Ion:114 Resp: 134054
Ion Ratio Lower Upper
114 100
63 22.0 0.0 41.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.912 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion:113 Resp: 46533
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.7 14.3 21.5

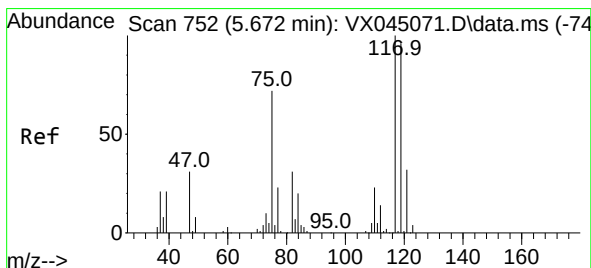
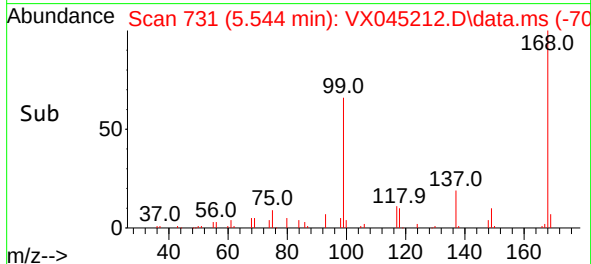
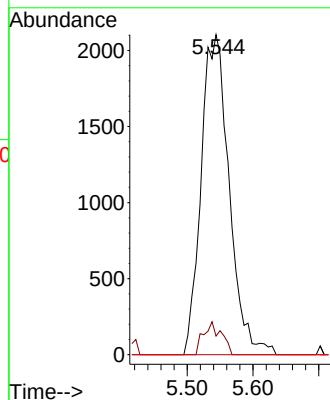
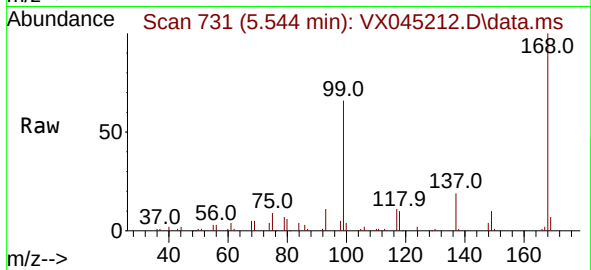




#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

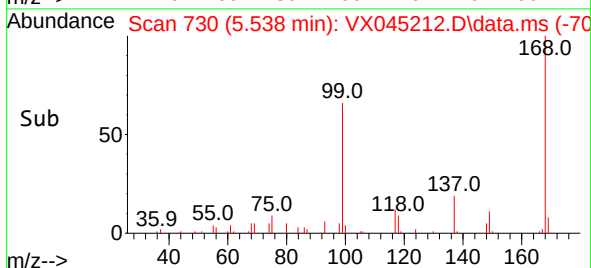
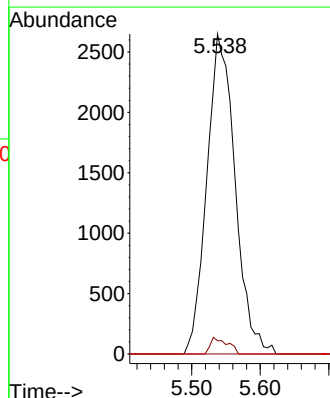
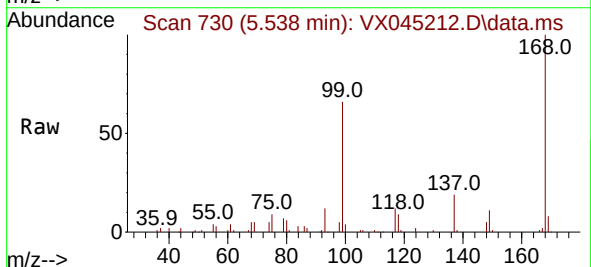
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

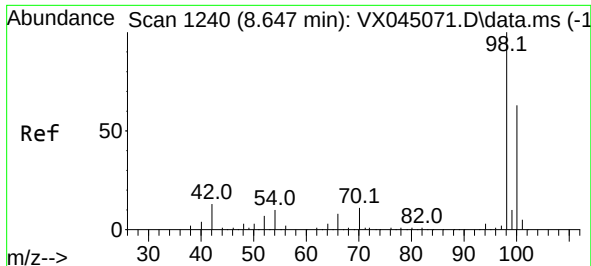
Tgt Ion: 75 Resp: 6237
Ion Ratio Lower Upper
75 100
110 6.6 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.081 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 117 Resp: 7589
Ion Ratio Lower Upper
117 100
119 4.2 76.7 115.1#
121 0.0 25.5 38.3#

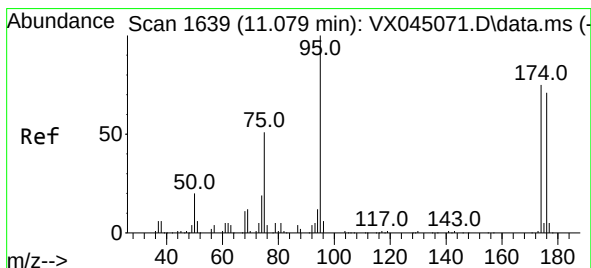
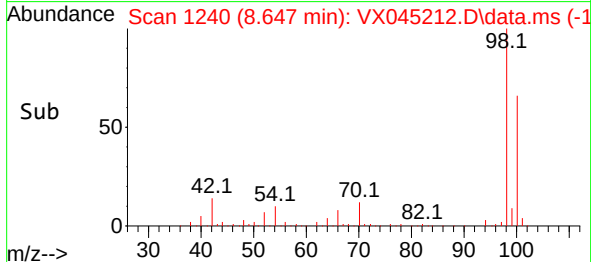
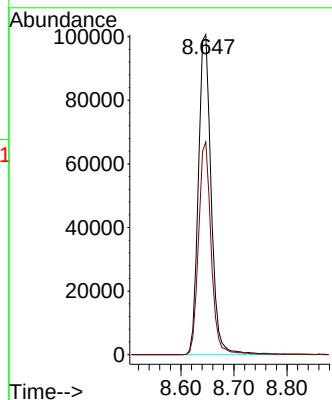
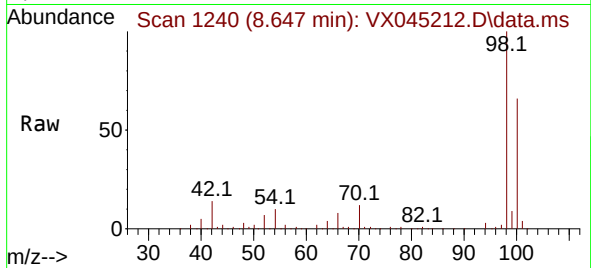




#50
Toluene-d8
Concen: 52.037 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

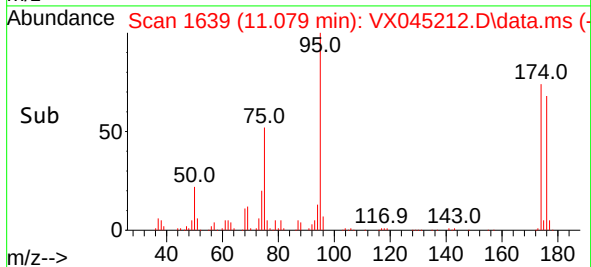
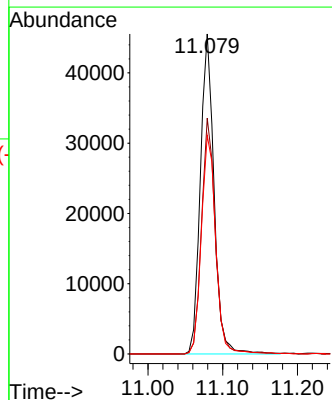
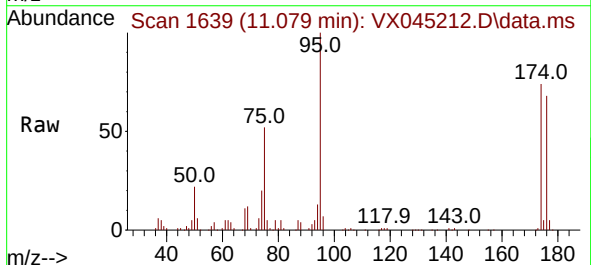
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

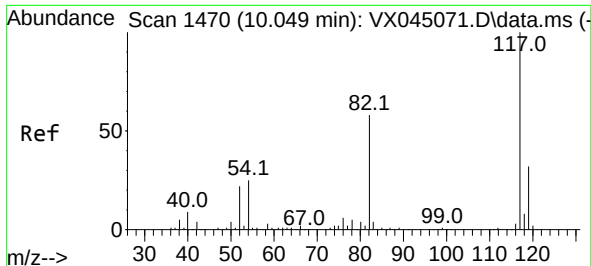
Tgt Ion: 98 Resp: 169106
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.844 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 95 Resp: 57982
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.2
176 71.9 0.0 141.4

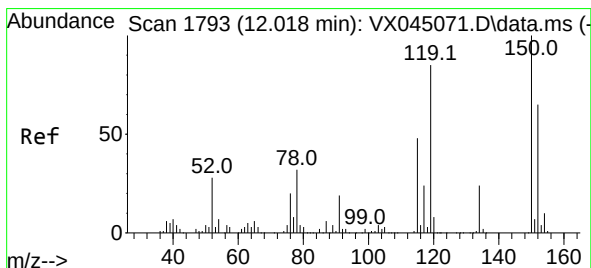
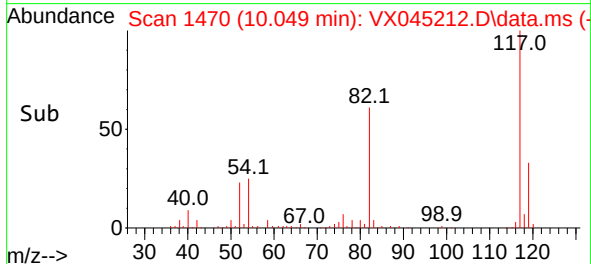
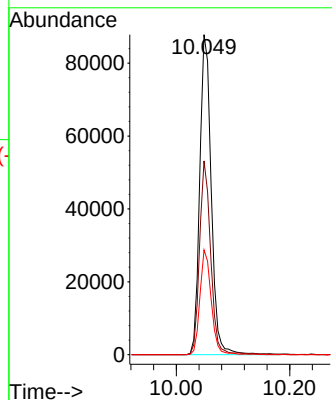
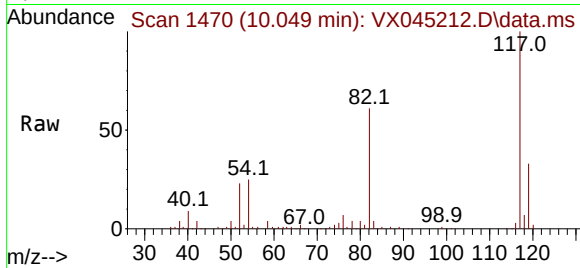




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

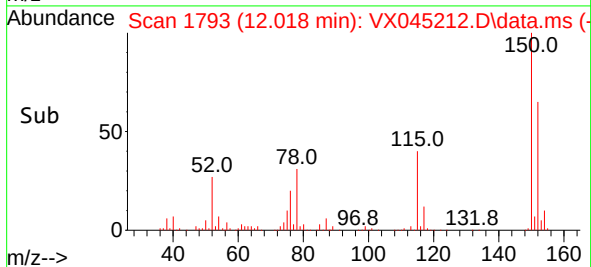
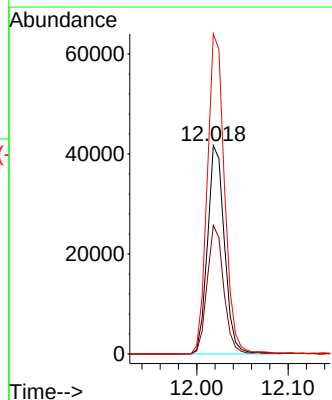
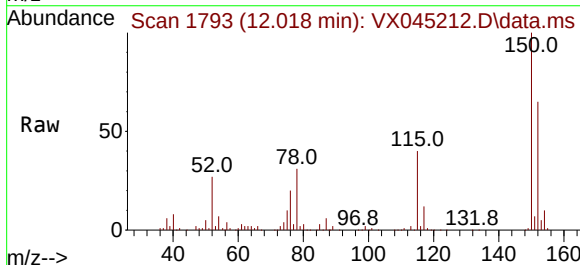
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

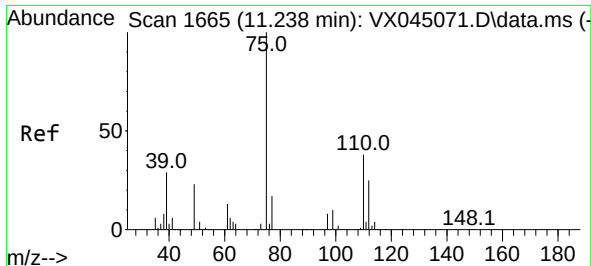
Tgt Ion:117 Resp: 123538
Ion Ratio Lower Upper
117 100
82 60.5 46.3 69.5
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion:152 Resp: 53646
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 157.0 0.0 349.0

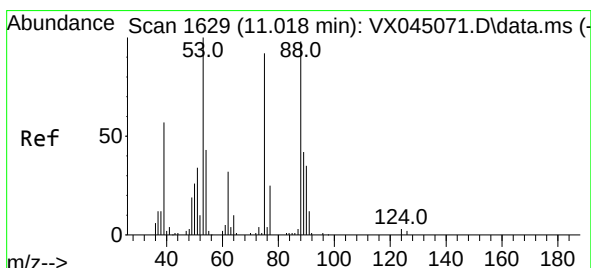
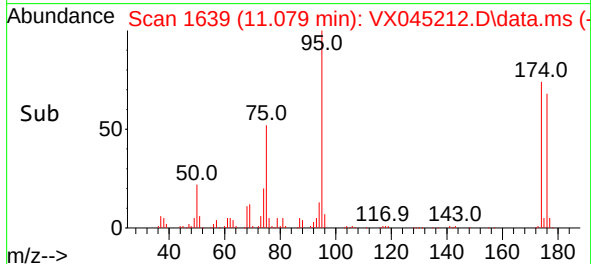
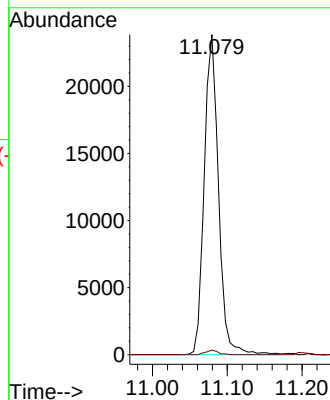
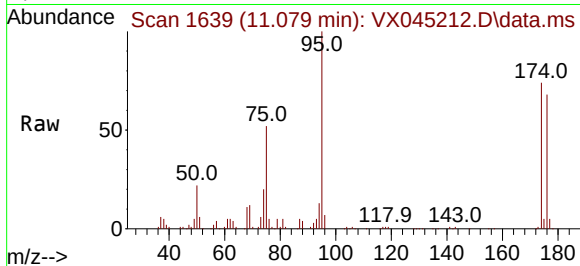




#76
1,2,3-Trichloropropane
Concen: 25.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

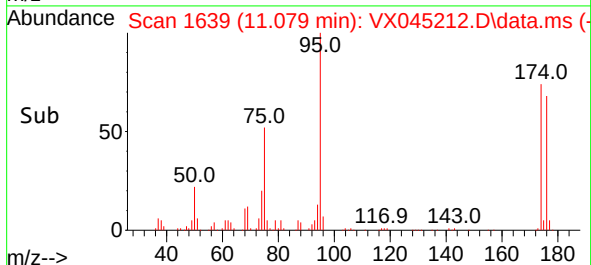
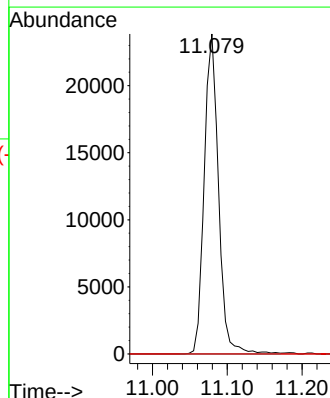
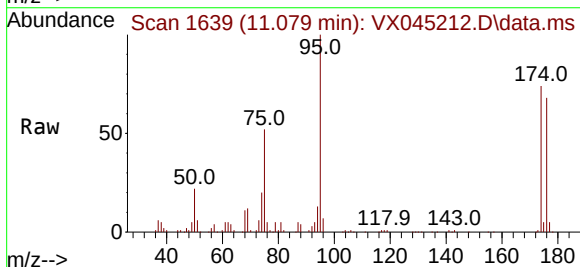
Instrument :
MSVOA_X
ClientSampleId :
VX0311MBL01

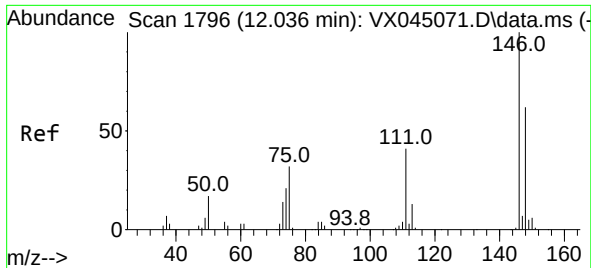
Tgt Ion: 75 Resp: 31697
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.875 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045212.D
Acq: 11 Mar 2025 10:27

Tgt Ion: 75 Resp: 31697
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

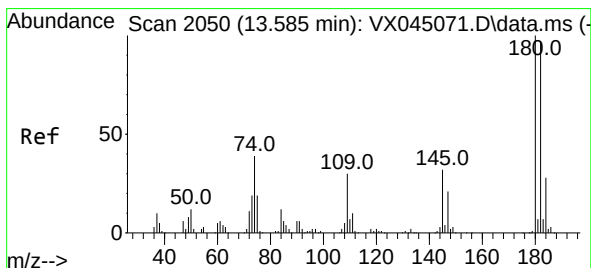
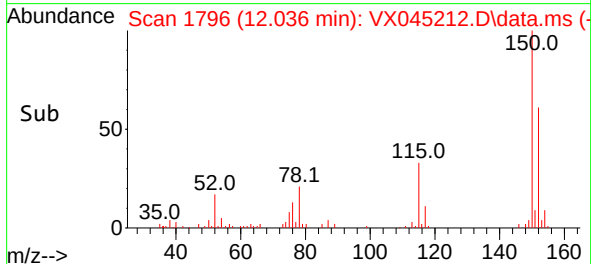
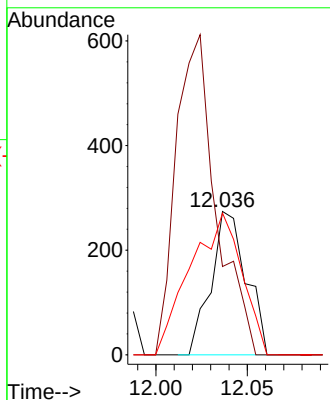
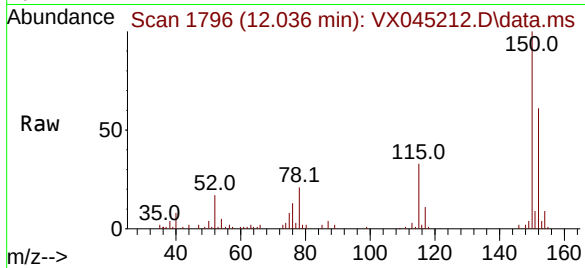




#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 12.036 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045212.D
 Acq: 11 Mar 2025 10:27

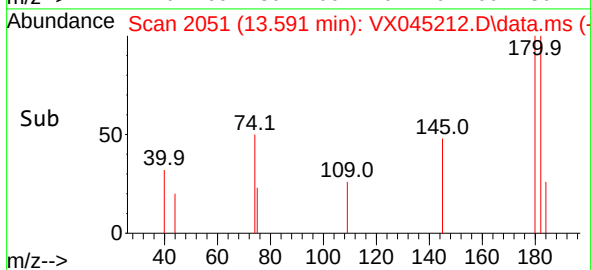
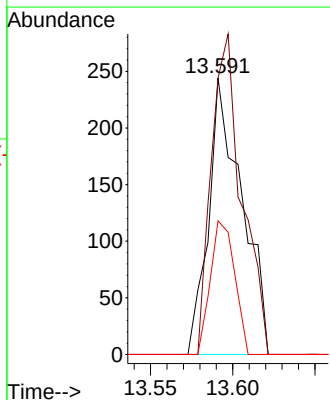
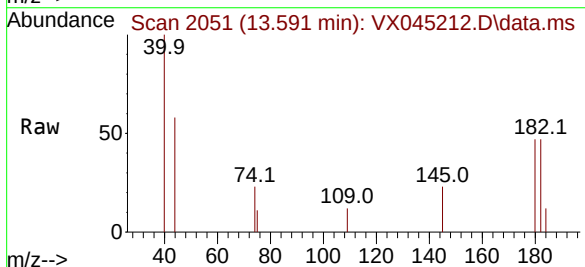
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311MBL01

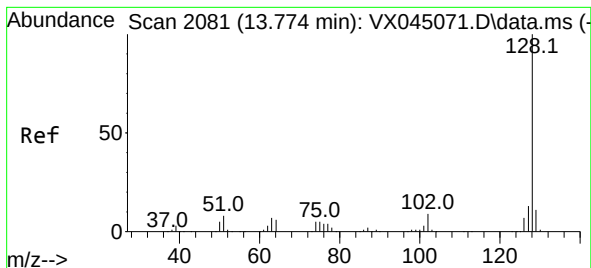
Tgt Ion:146 Resp: 369
 Ion Ratio Lower Upper
 146 100
 111 252.3 20.2 60.5#
 148 144.7 31.9 95.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX045212.D
 Acq: 11 Mar 2025 10:27

Tgt Ion:180 Resp: 343
 Ion Ratio Lower Upper
 180 100
 182 106.1 47.3 141.9
 145 35.3 16.3 48.9





#95

Naphthalene

Concen: 0.601 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX045212.D

Acq: 11 Mar 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0311MBL01

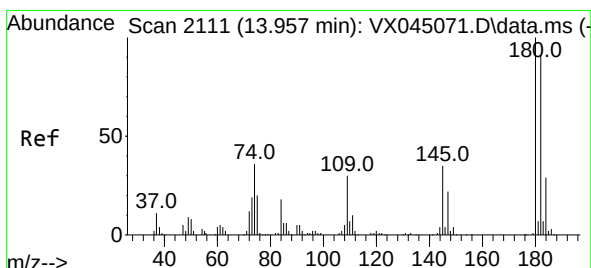
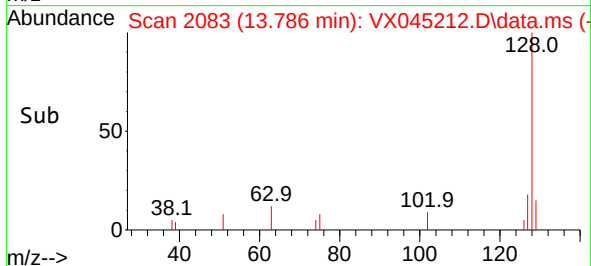
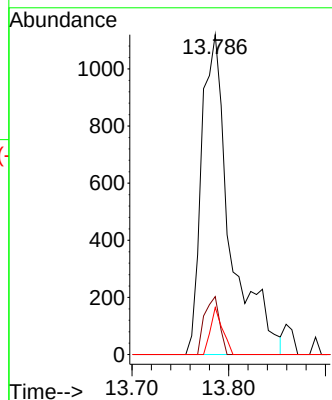
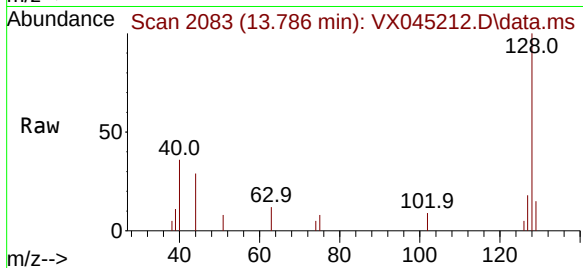
Tgt Ion:128 Resp: 2324

Ion Ratio Lower Upper

128 100

127 9.4 10.3 15.5#

129 6.2 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.565 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045212.D

Acq: 11 Mar 2025 10:27

Tgt Ion:180 Resp: 600

Ion Ratio Lower Upper

180 100

182 78.7 47.5 142.6

145 14.8 17.0 50.9#

