

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045996.D
 Acq On : 30 Apr 2025 14:29
 Operator : JC/MD
 Sample : Q1901-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-167-SB01

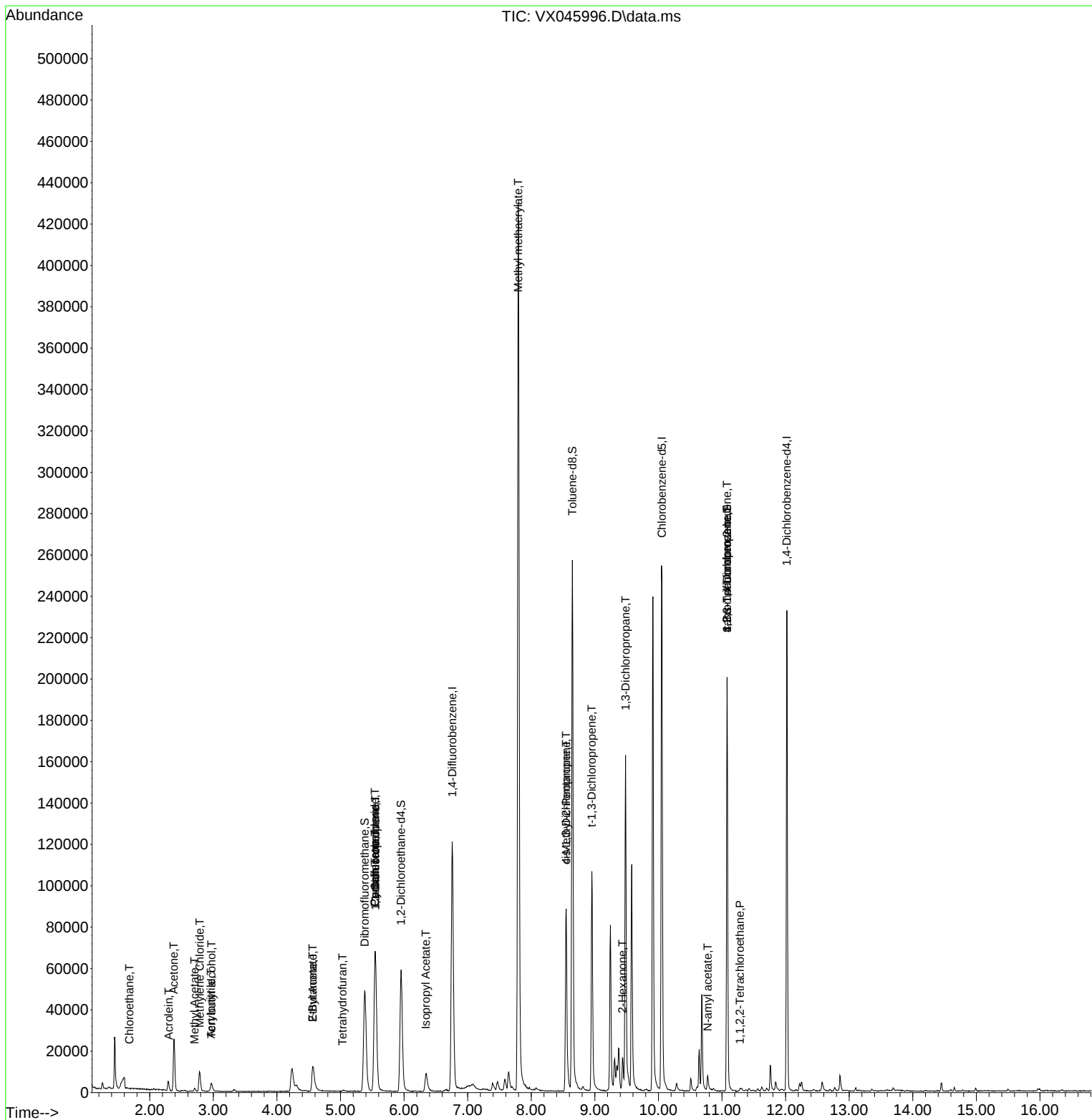
Quant Time: May 01 03:37:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	57618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	115466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59663	56.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	5.379	113	42394	51.748	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	8.647	98	144482	50.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.060%			
62) 4-Bromofluorobenzene	11.079	95	51275	49.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.460%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	164	0.382	ug/l #	42
11) Tert butyl alcohol	2.971	59	4349	30.712	ug/l	95
13) Acrolein	2.300	56	72	0.369	ug/l #	1
15) Acrylonitrile	2.965	53	99	0.221	ug/l #	17
16) Acetone	2.380	43	28256	65.306	ug/l	96
18) Methyl Acetate	2.703	43	1872	1.879	ug/l	97
20) Methylene Chloride	2.788	84	4330	5.346	ug/l	97
25) 2-Butanone	4.562	43	25058	39.565	ug/l	99
29) Tetrahydrofuran	5.032	42	165	0.402	ug/l #	54
31) Cyclohexane	5.544	56	1878	1.453	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	5530	4.999	ug/l #	47
37) Ethyl Acetate	4.562	43	25058	17.976	ug/l #	71
38) Carbon Tetrachloride	5.544	117	6917	5.786	ug/l #	18
43) Isopropyl Acetate	6.342	43	13387	6.336	ug/l	98
48) Methyl methacrylate	7.793	41	43349	39.739	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	35955	25.672	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	149	2.404	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13324	10.973	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1272	0.897	ug/l #	42
59) 2-Hexanone	9.433	43	9426	9.088	ug/l	100
74) N-amyl acetate	10.775	43	4156	2.627	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.281	83	294	0.253	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	29869	29.660	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	29869	100.663	ug/l #	1

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

Quant Time: May 01 03:37:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

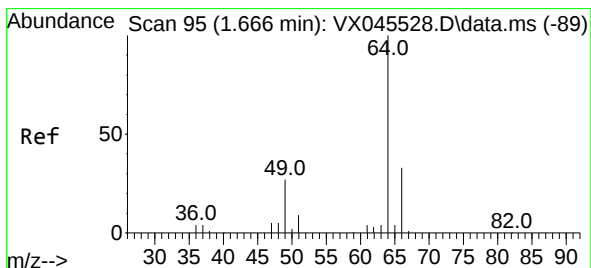
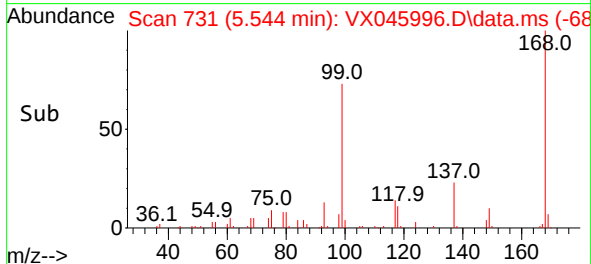
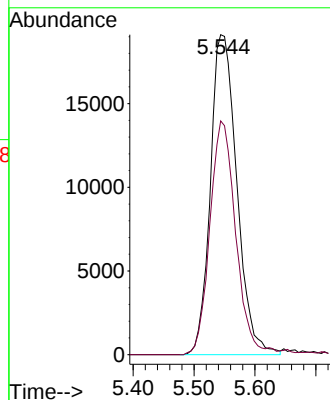
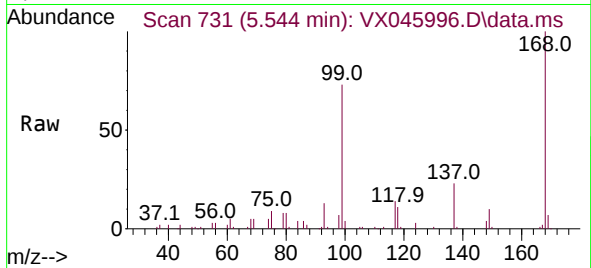




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

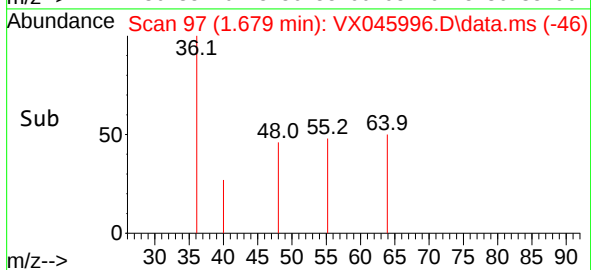
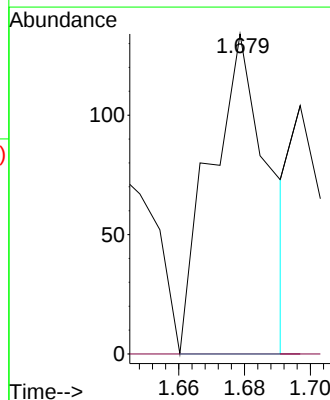
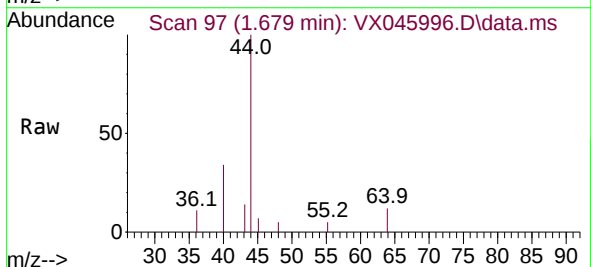
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

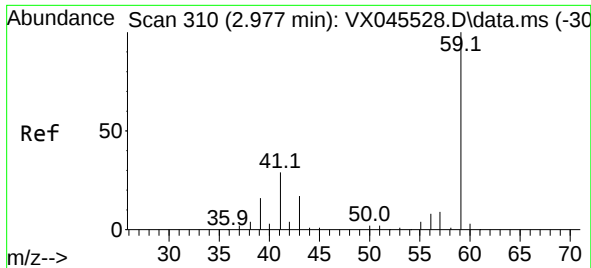
Tgt Ion:168 Resp: 57618
Ion Ratio Lower Upper
168 100
99 73.0 52.3 78.5



#6
Chloroethane
Concen: 0.382 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 64 Resp: 164
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

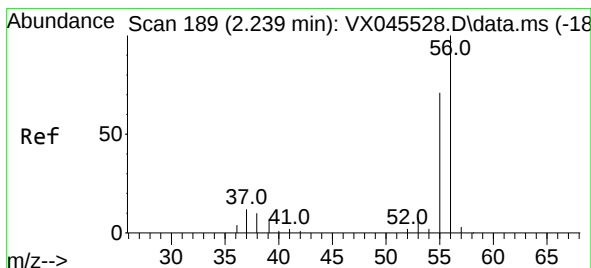
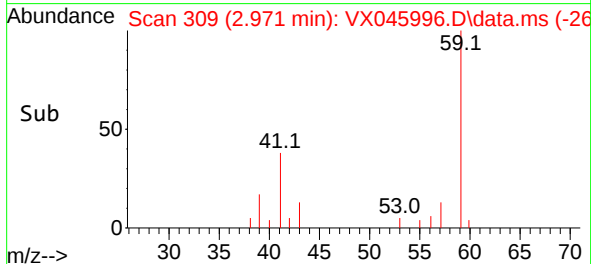
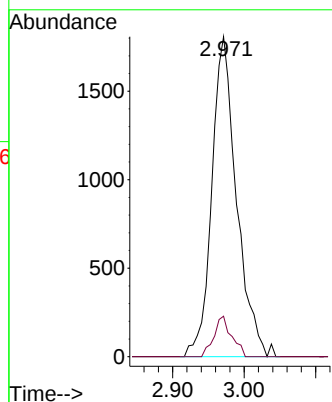
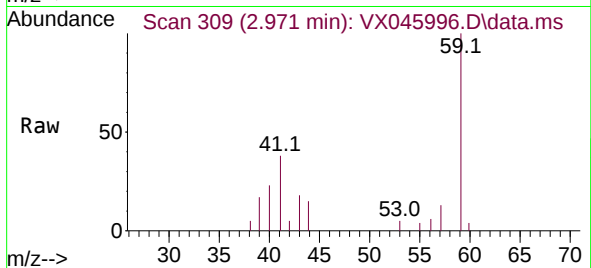




#11
Tert butyl alcohol
Concen: 30.712 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

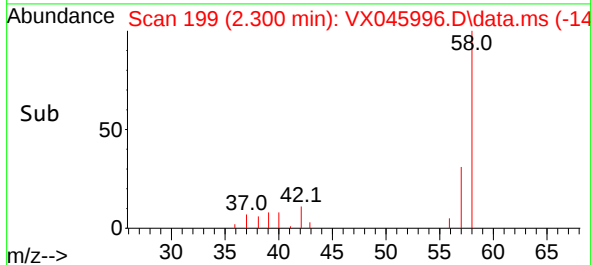
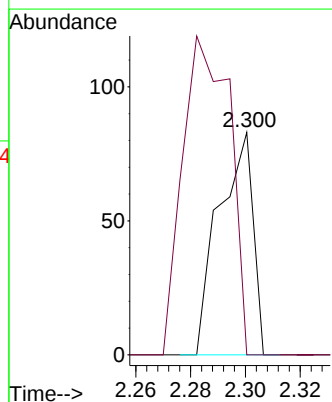
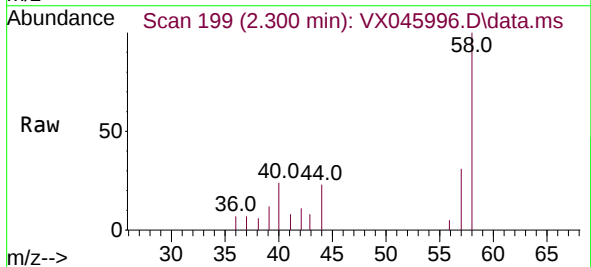
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

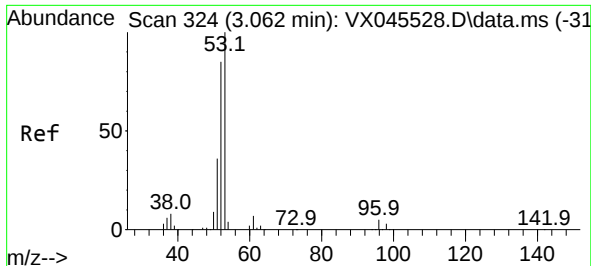
Tgt Ion: 59 Resp: 4349
Ion Ratio Lower Upper
59 100
57 9.0 8.6 12.8



#13
Acrolein
Concen: 0.369 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.061 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 197.2 56.2 84.2#

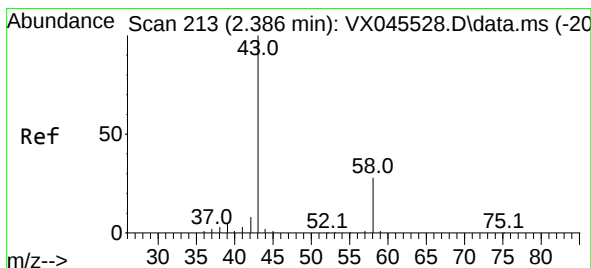
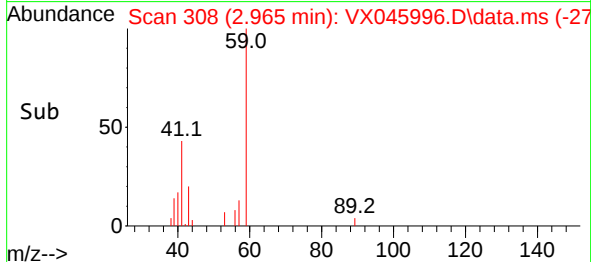
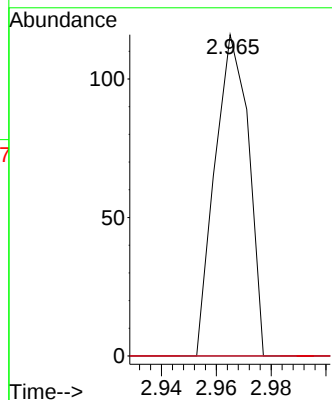
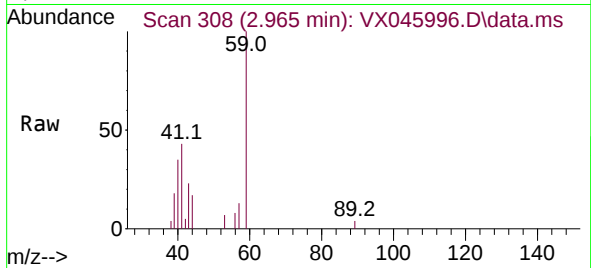




#15
Acrylonitrile
Concen: 0.221 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.097 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

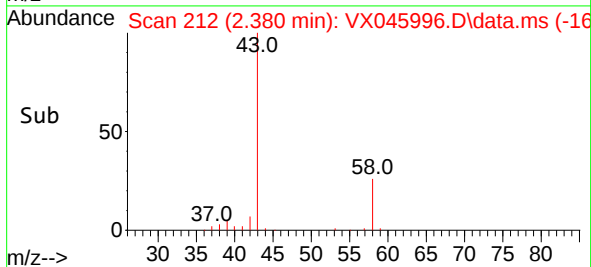
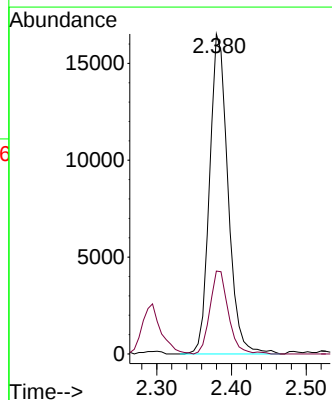
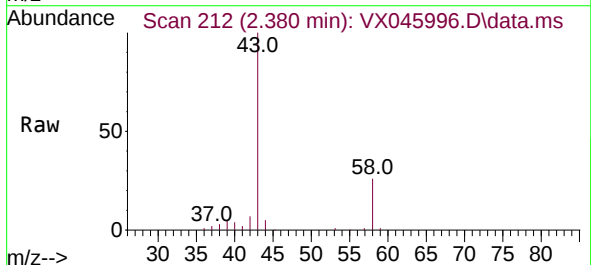
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

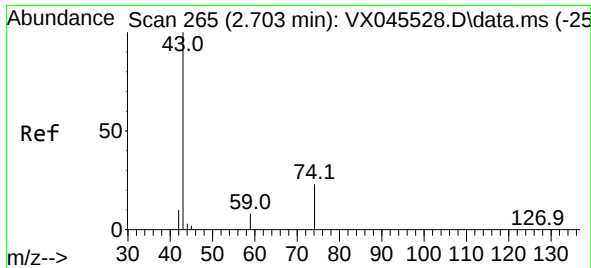
Tgt Ion: 53 Resp: 99
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.2#
51 0.0 29.9 44.9#



#16
Acetone
Concen: 65.306 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 43 Resp: 28256
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5

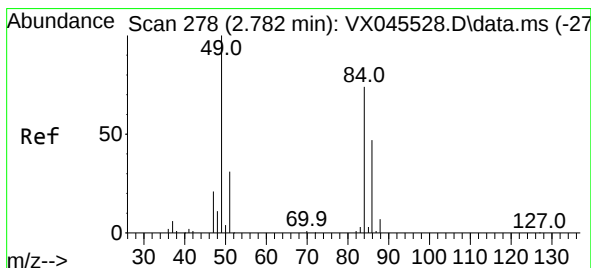
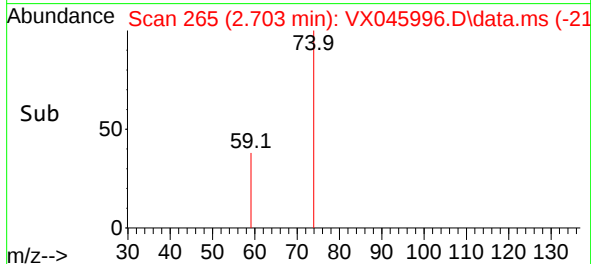
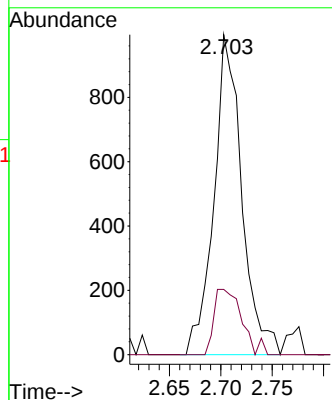
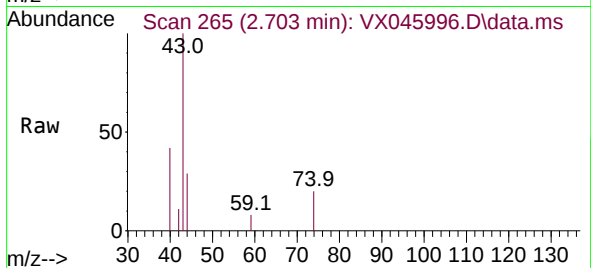




#18
Methyl Acetate
Concen: 1.879 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

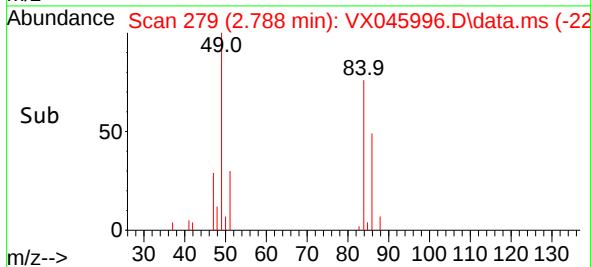
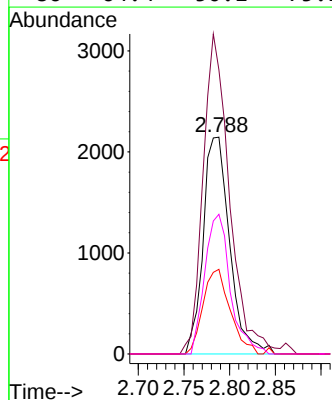
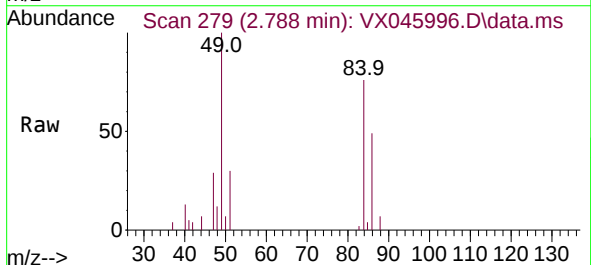
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

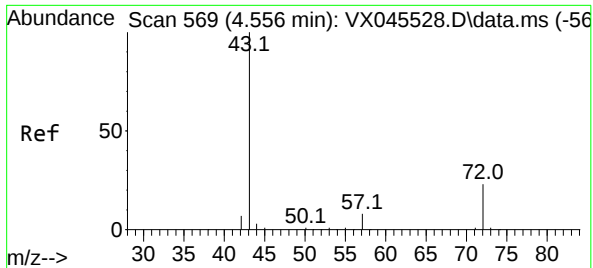
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 20.4 17.5 26.3



#20
Methylene Chloride
Concen: 5.346 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 84 Resp: 4330
Ion Ratio Lower Upper
84 100
49 131.0 107.5 161.3
51 39.0 33.0 49.6
86 64.4 50.1 75.1

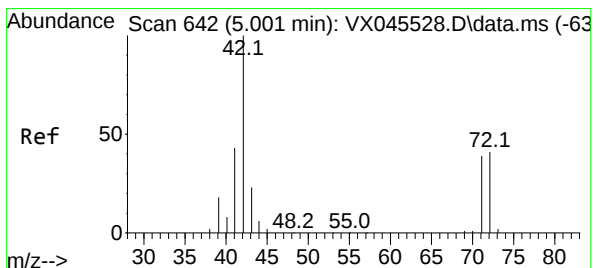
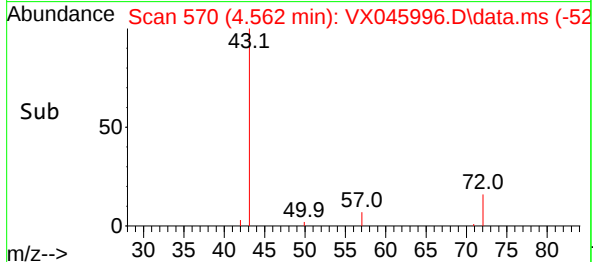
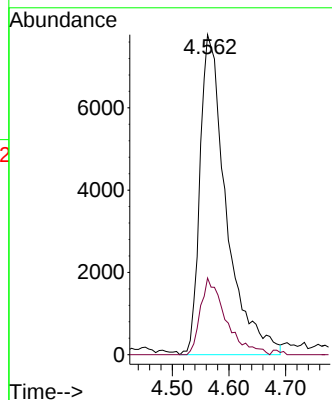
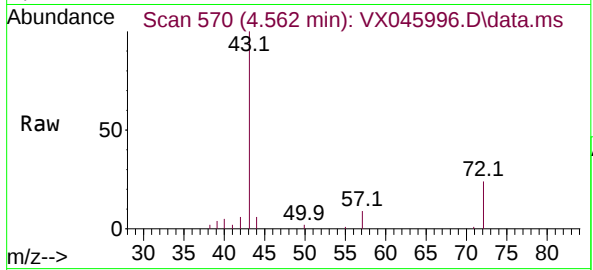




#25
2-Butanone
Concen: 39.565 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

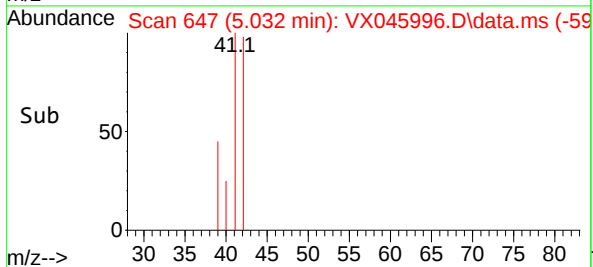
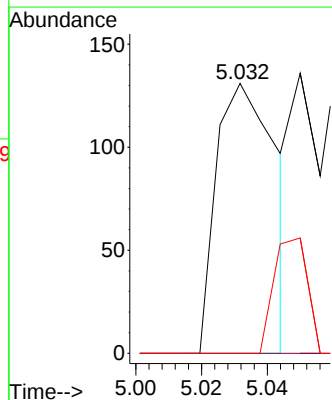
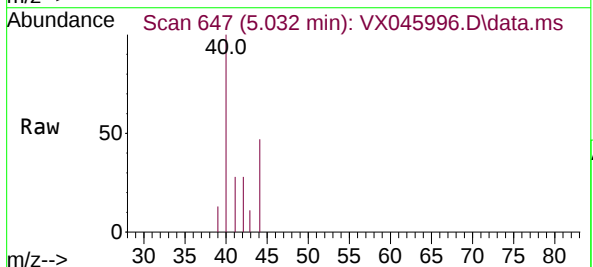
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

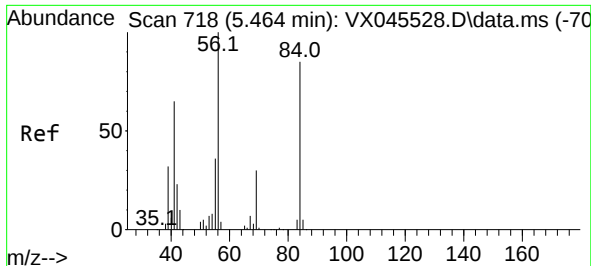
Tgt Ion: 43 Resp: 25058
Ion Ratio Lower Upper
43 100
72 24.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.402 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 42 Resp: 165
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 24.2 31.4 47.0#

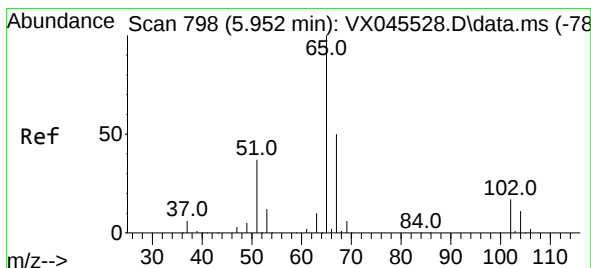
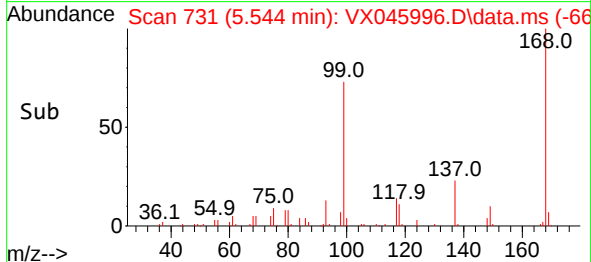
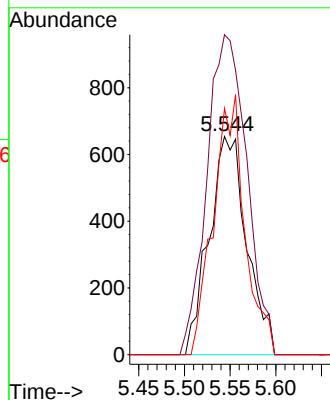
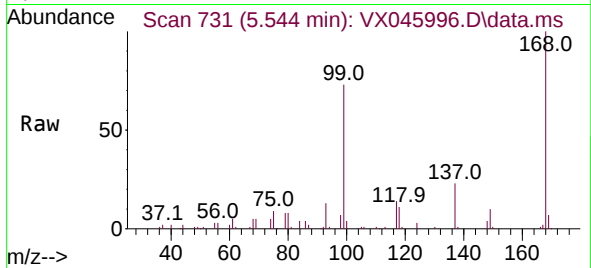




#31
Cyclohexane
Concen: 1.453 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

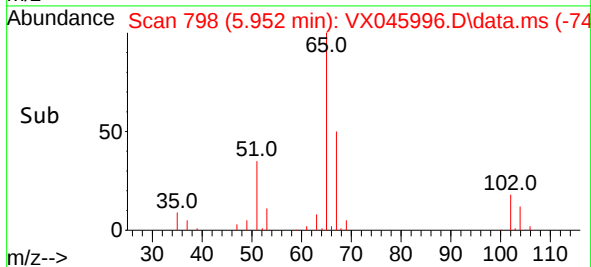
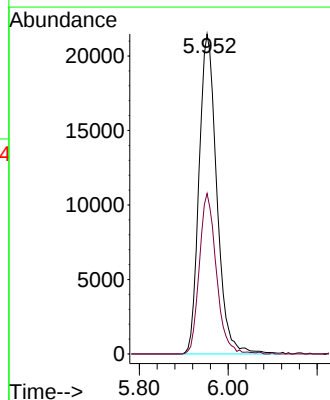
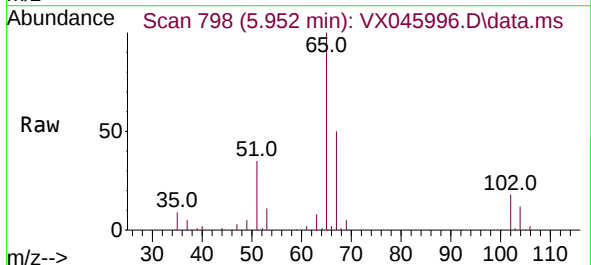
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

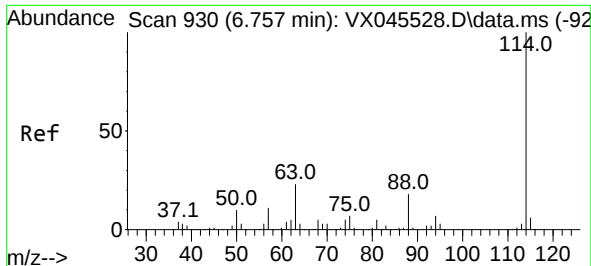
Tgt Ion: 56 Resp: 1878
Ion Ratio Lower Upper
56 100
69 146.6 23.6 35.4#
84 112.8 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 56.623 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 65 Resp: 59663
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.0

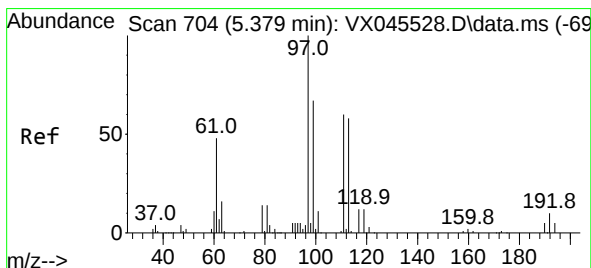
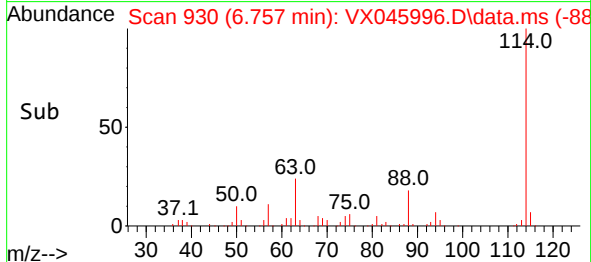
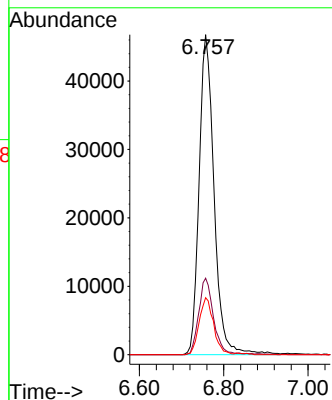
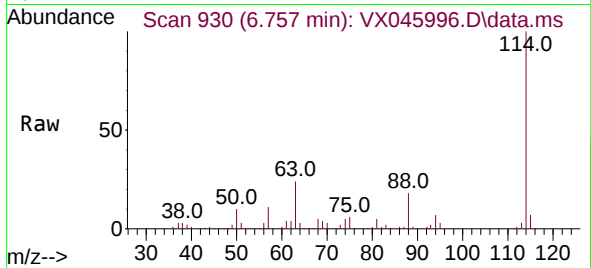




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

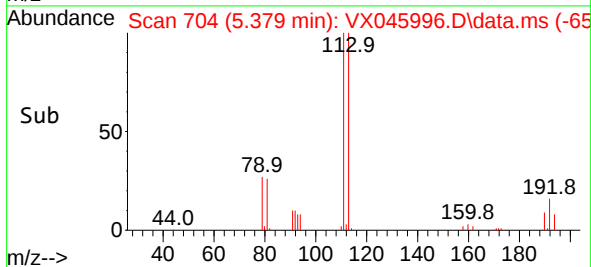
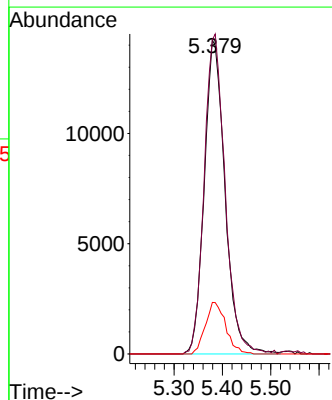
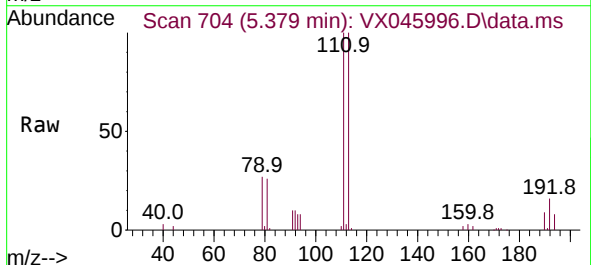
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

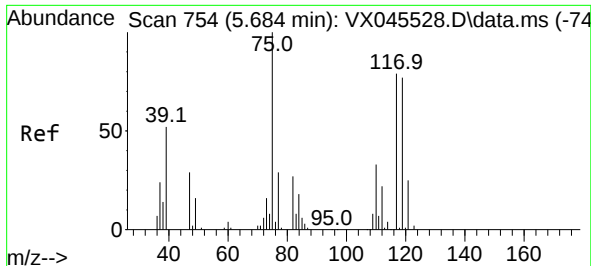
Tgt Ion:114 Resp: 115466
Ion Ratio Lower Upper
114 100
63 23.9 0.0 46.8
88 17.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.748 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion:113 Resp: 42394
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.2 13.8 20.6

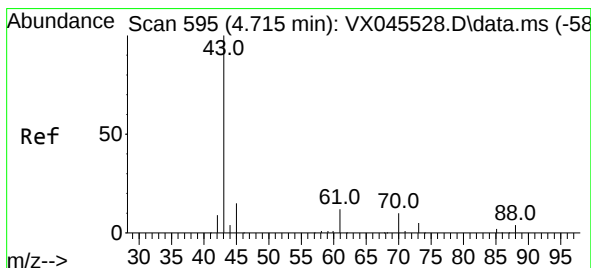
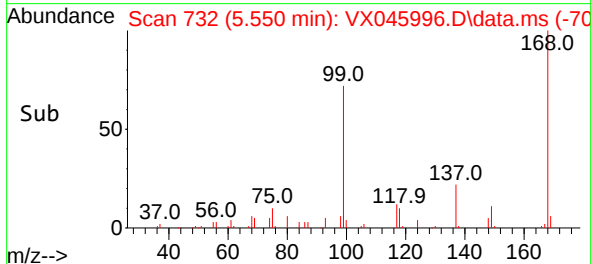
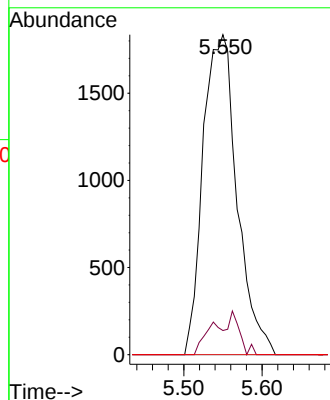
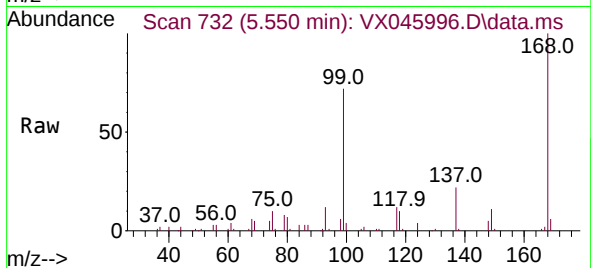




#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

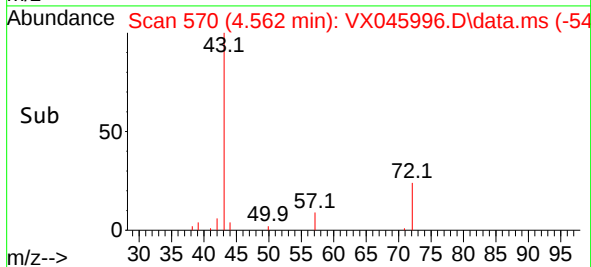
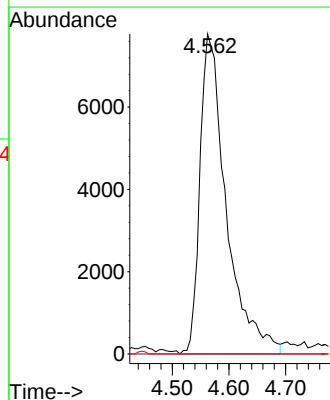
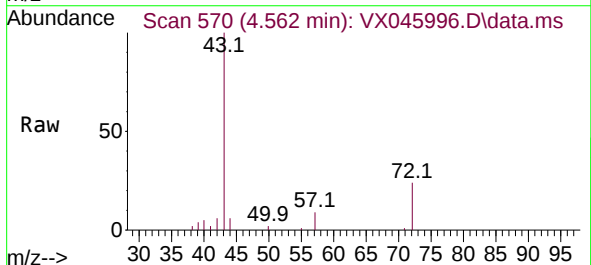
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

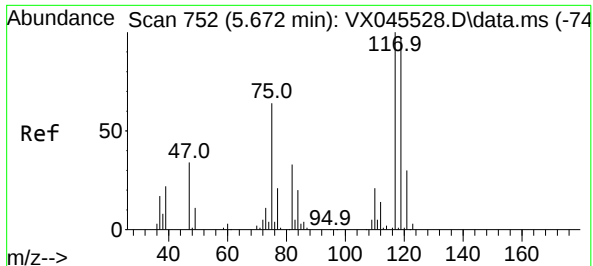
Tgt Ion: 75 Resp: 5530
Ion Ratio Lower Upper
75 100
110 4.8 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 17.976 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.152 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

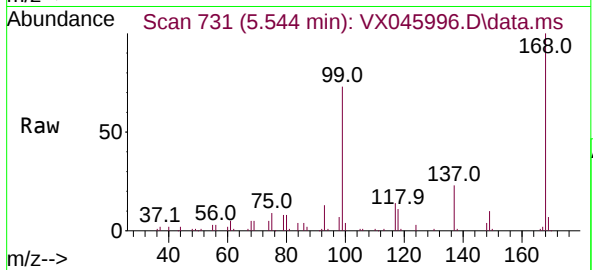
Tgt Ion: 43 Resp: 25058
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



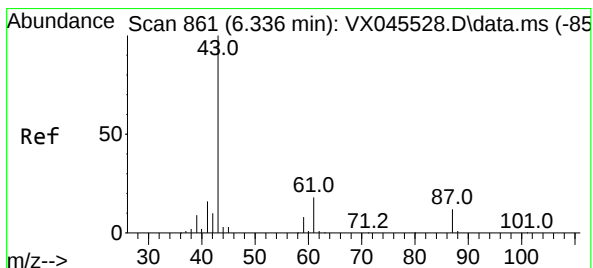
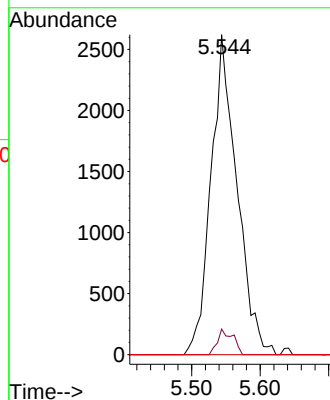
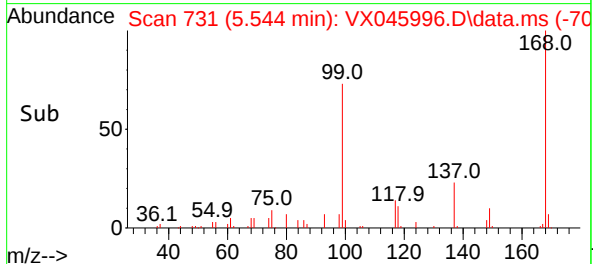


#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

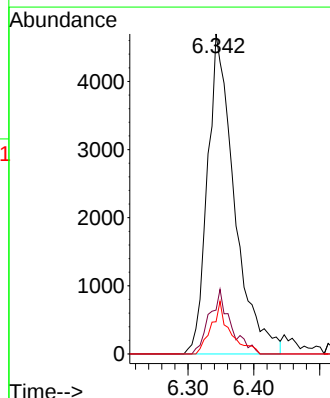
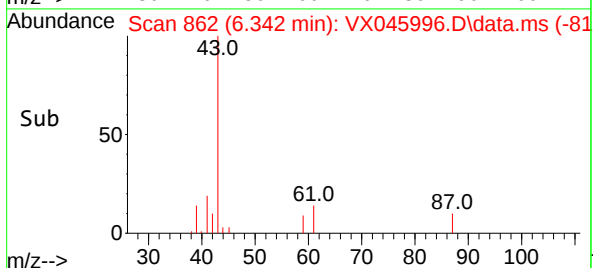
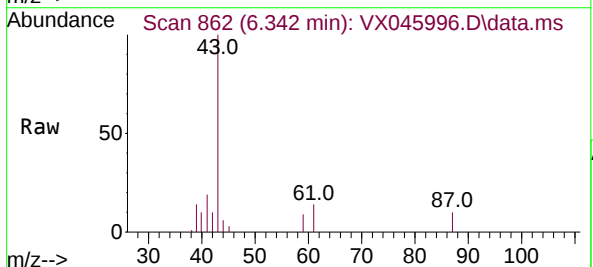


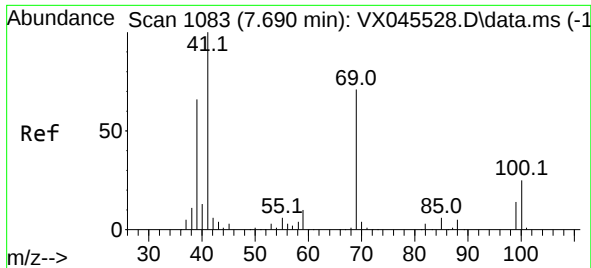
Tgt Ion:117 Resp: 6917
Ion Ratio Lower Upper
117 100
119 8.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.336 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 43 Resp: 13387
Ion Ratio Lower Upper
43 100
61 16.0 14.1 21.1
87 11.4 9.2 13.8

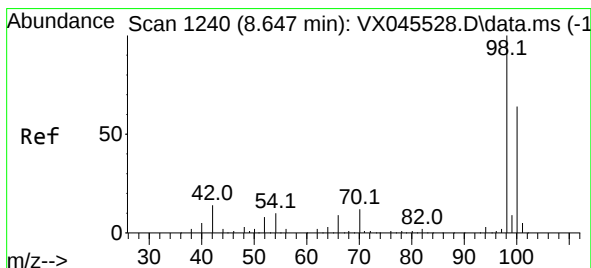
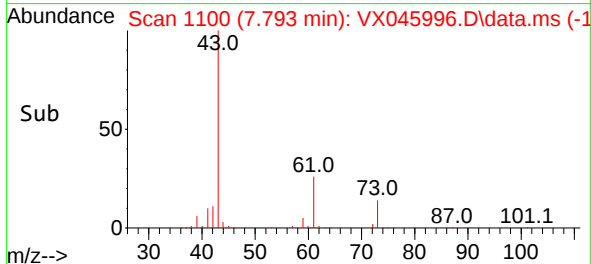
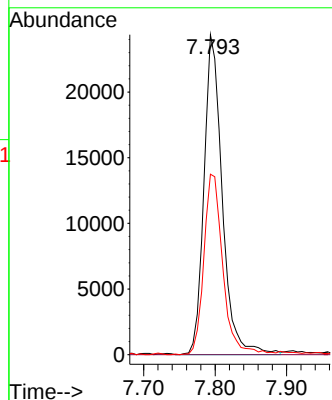
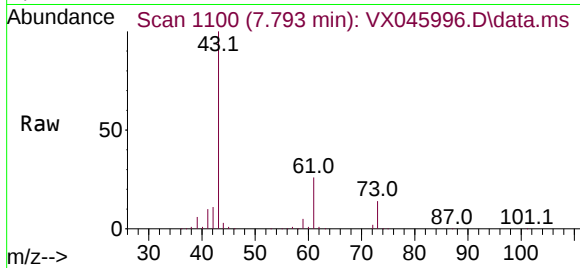




#48
Methyl methacrylate
Concen: 39.739 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

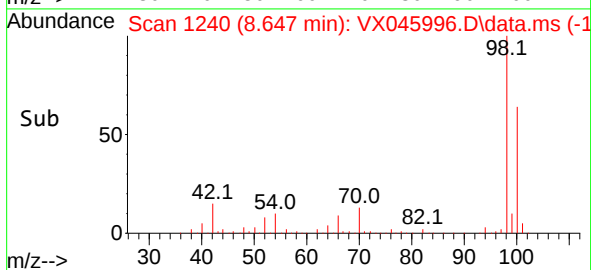
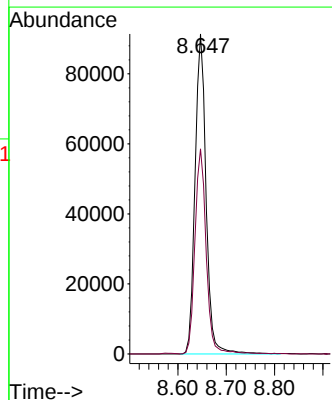
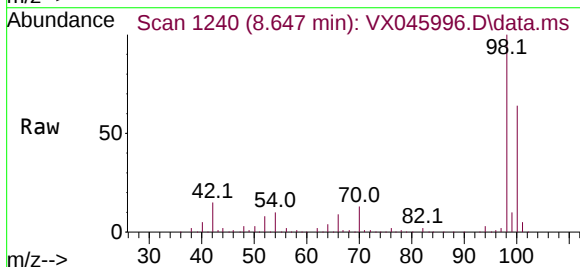
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

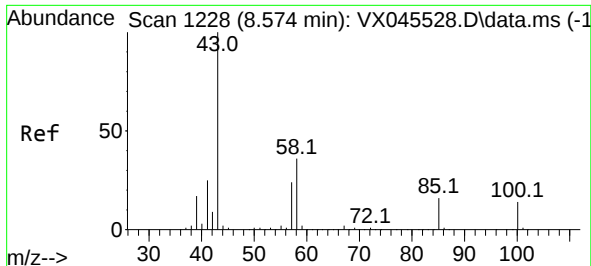
Tgt Ion: 41 Resp: 43349
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.6 53.6 80.4



#50
Toluene-d8
Concen: 50.528 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 98 Resp: 144482
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

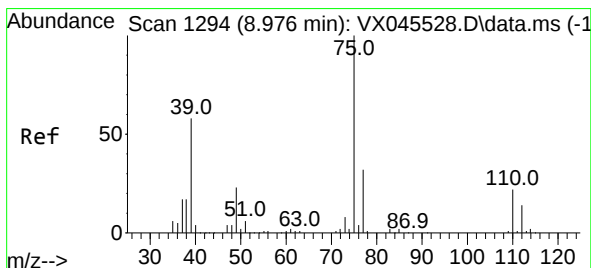
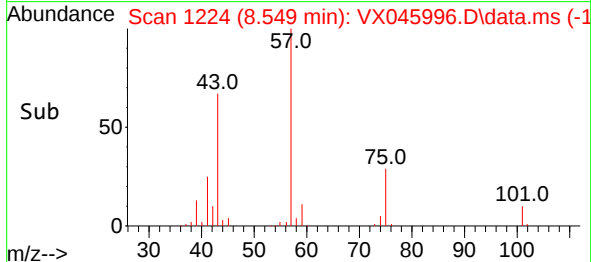
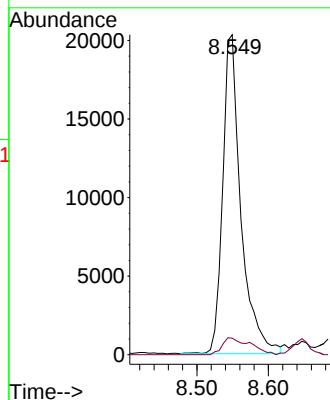
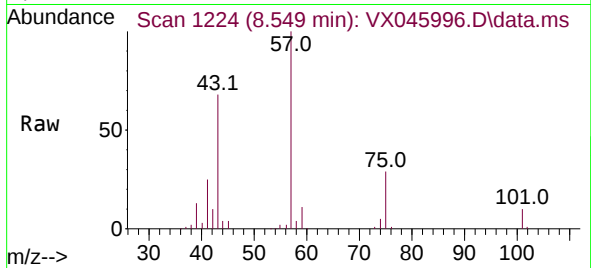




#51
4-Methyl-2-Pentanone
Concen: 25.672 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

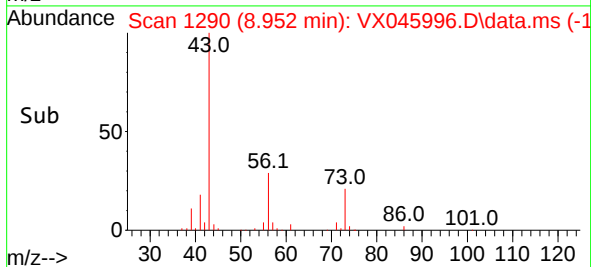
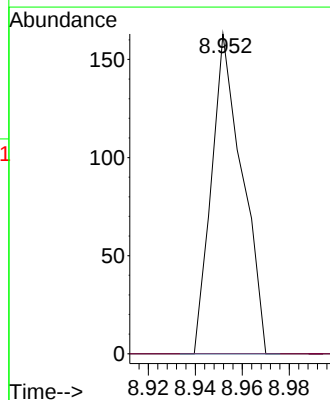
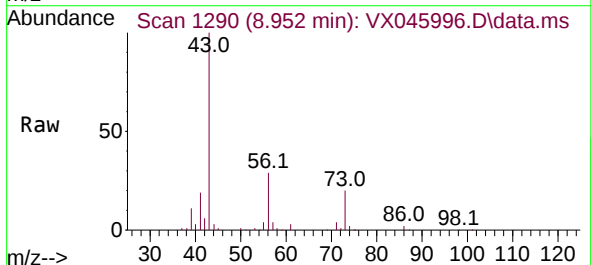
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

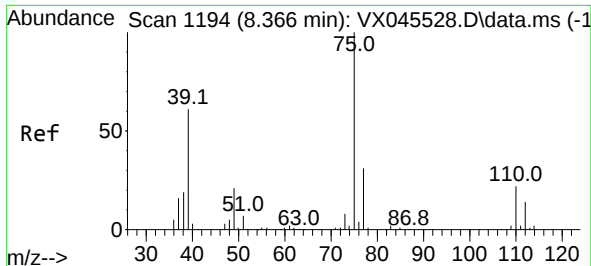
Tgt Ion: 43 Resp: 35955
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.404 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 75 Resp: 149
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

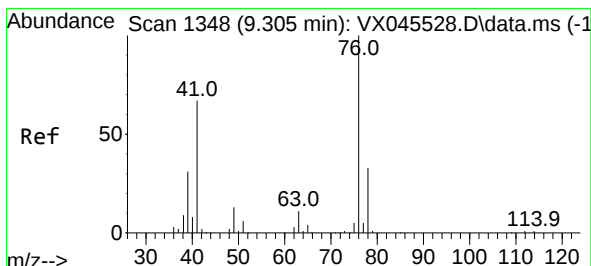
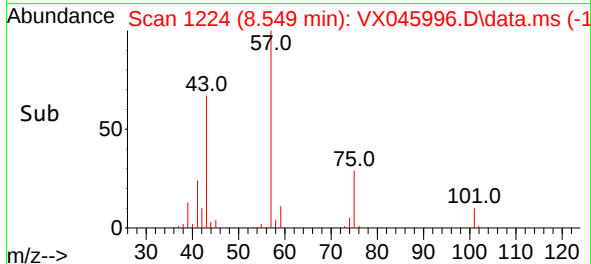
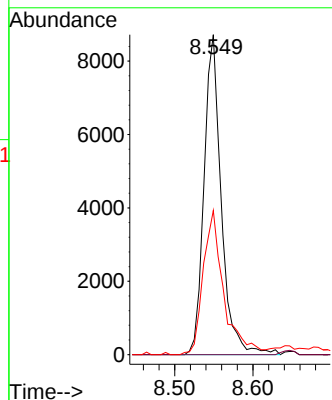
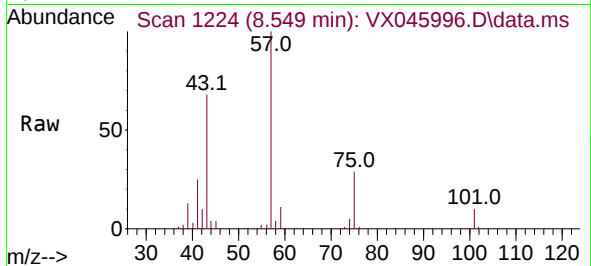




#54
 cis-1,3-Dichloropropene
 Concen: 10.973 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045996.D
 Acq: 30 Apr 2025 14:29

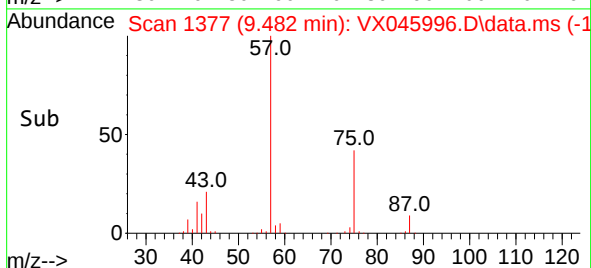
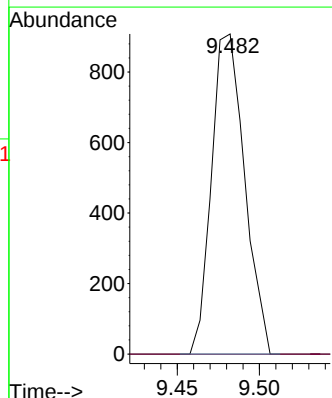
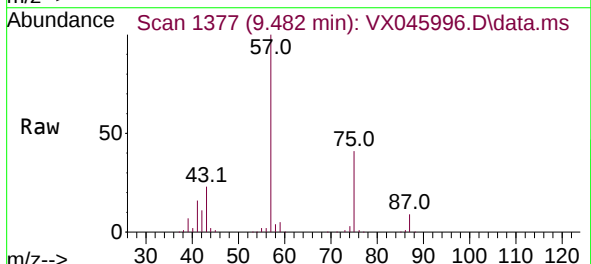
Instrument :
 MSVOA_X
 ClientSampleId :
 B-167-SB01

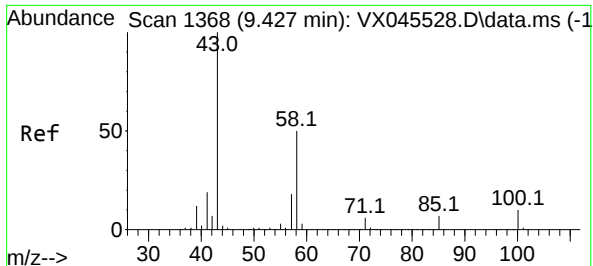
Tgt Ion: 75 Resp: 13324
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.1 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.897 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045996.D
 Acq: 30 Apr 2025 14:29

Tgt Ion: 76 Resp: 1272
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

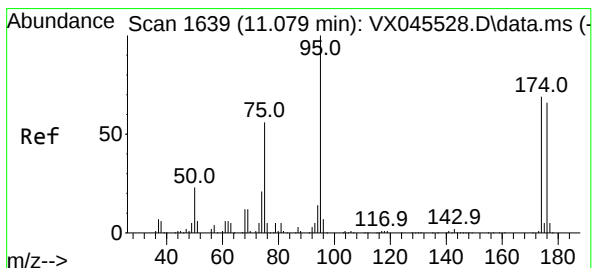
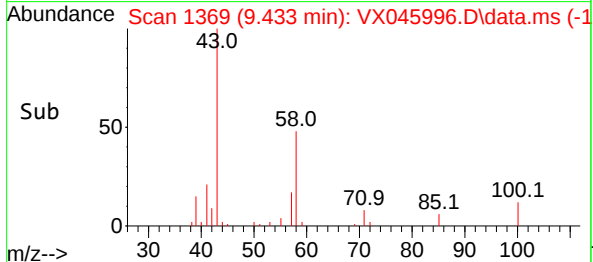
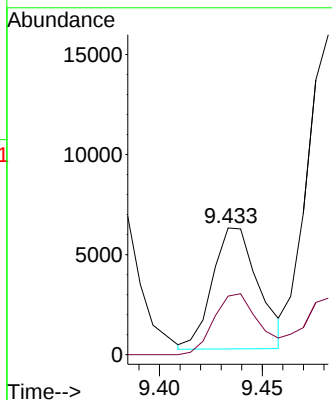
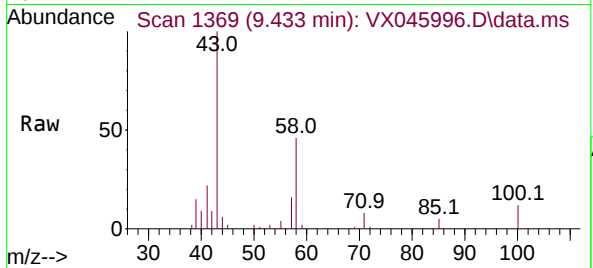




#59
2-Hexanone
Concen: 9.088 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

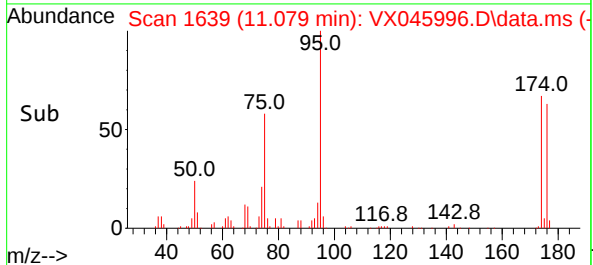
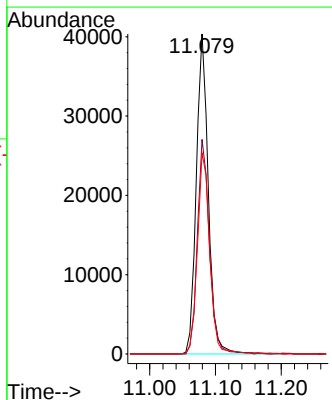
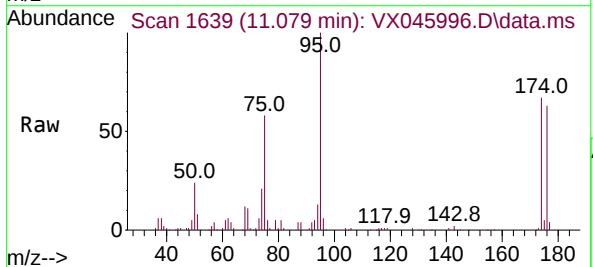
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

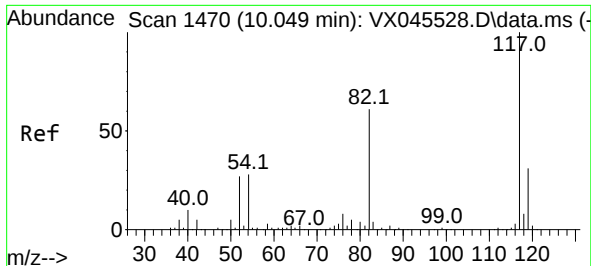
Tgt Ion: 43 Resp: 9426
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 49.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 95 Resp: 51275
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 64.3 0.0 131.4

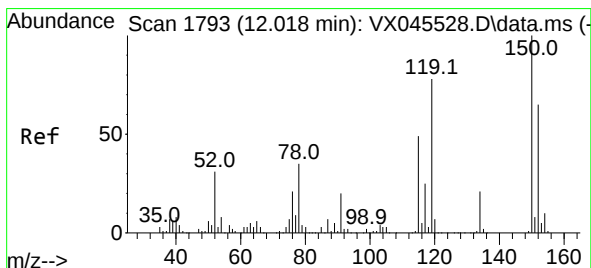
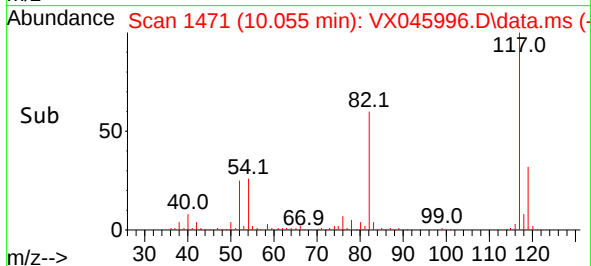
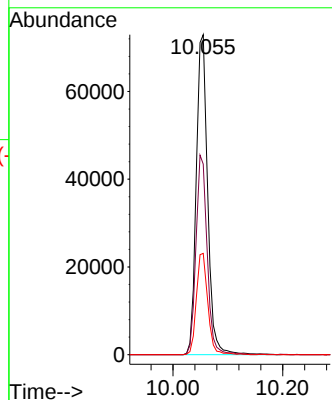
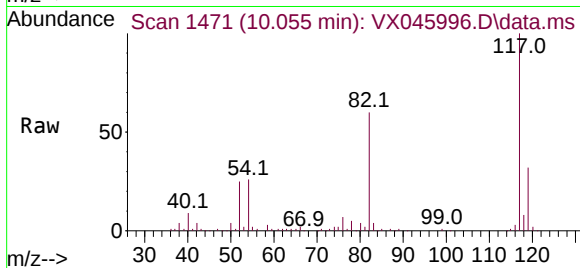




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

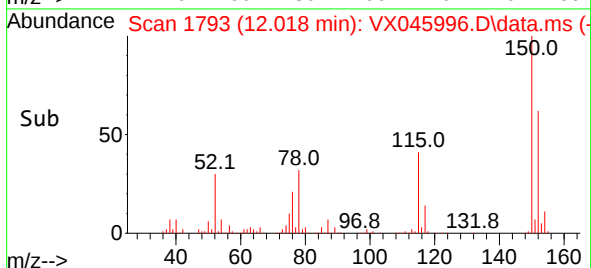
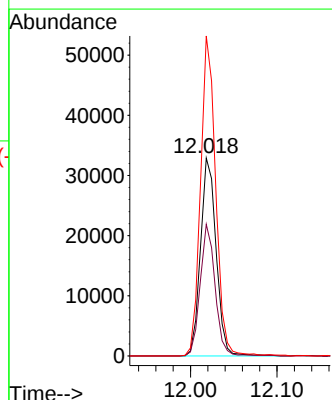
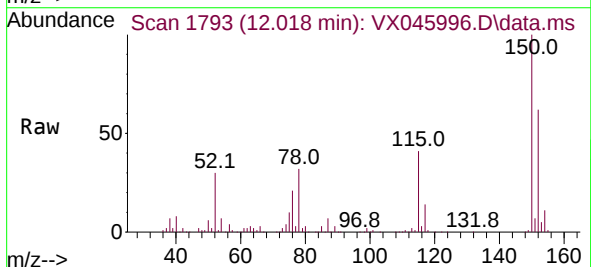
Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

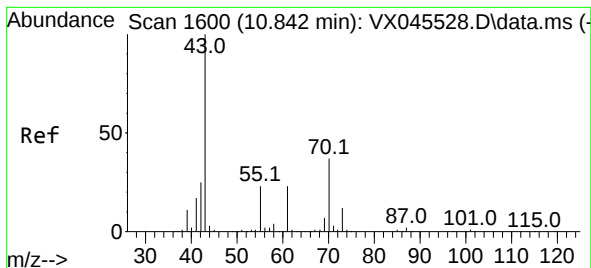
Tgt Ion:117 Resp: 105991
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 31.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion:152 Resp: 41285
Ion Ratio Lower Upper
152 100
115 63.5 46.9 140.7
150 156.8 0.0 349.4





#74

N-amy1 acetate

Concen: 2.627 ug/l

RT: 10.775 min Scan# 11

Delta R.T. -0.067 min

Lab File: VX045996.D

Acq: 30 Apr 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

B-167-SB01

Tgt Ion: 43 Resp: 4156

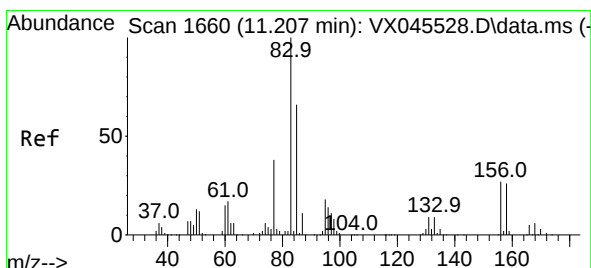
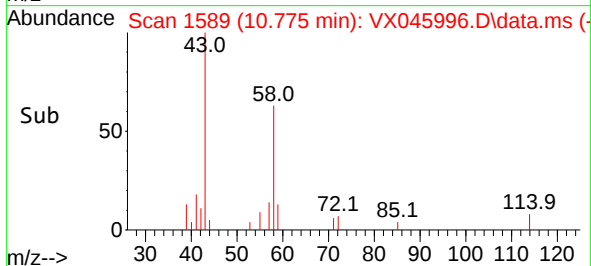
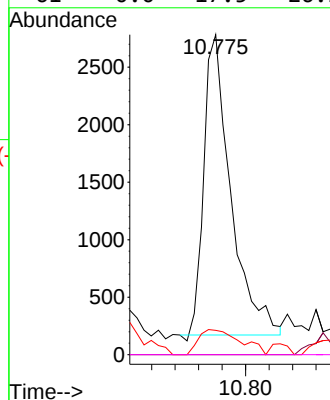
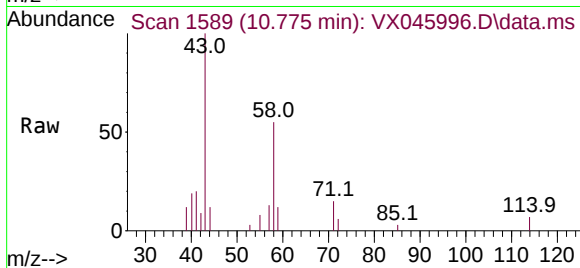
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 13.0 18.3 27.5#

61 0.0 17.5 26.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.253 ug/l

RT: 11.281 min Scan# 1672

Delta R.T. 0.073 min

Lab File: VX045996.D

Acq: 30 Apr 2025 14:29

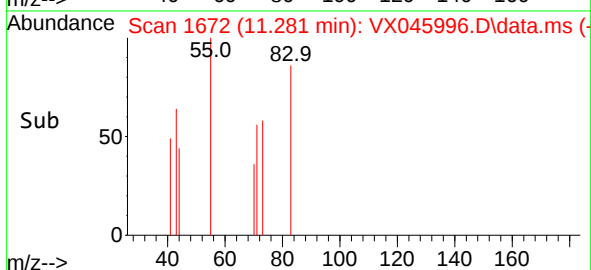
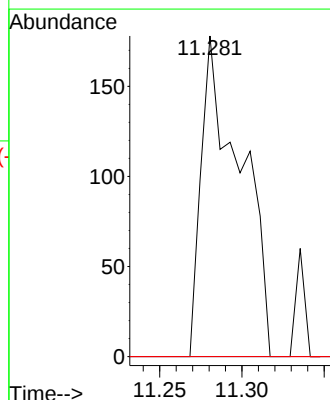
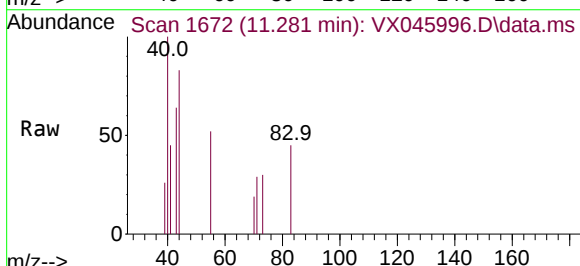
Tgt Ion: 83 Resp: 294

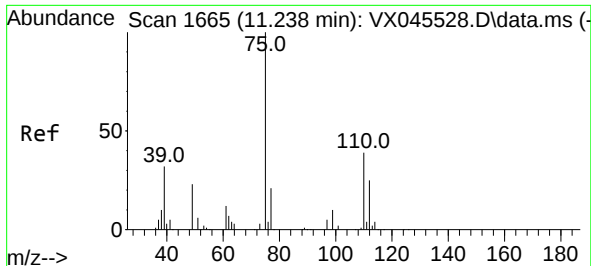
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.4 97.2#

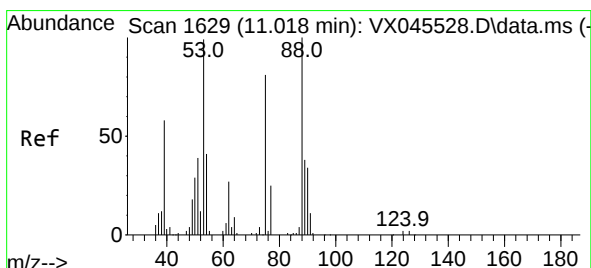
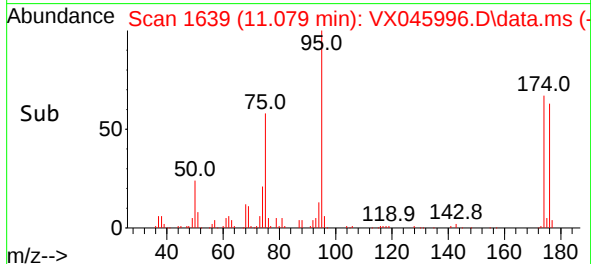
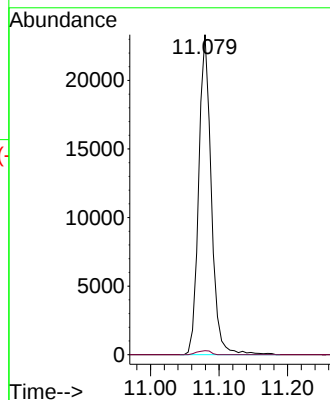
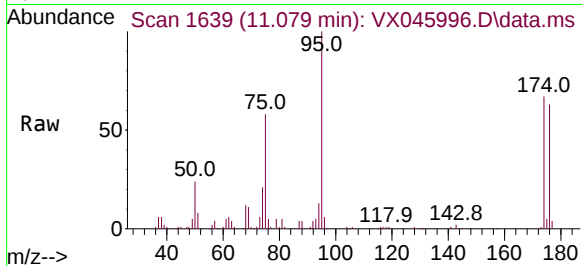




#76
1,2,3-Trichloropropane
Concen: 29.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
B-167-SB01

Tgt Ion: 75 Resp: 29869
Ion Ratio Lower Upper
75 100
77 1.4 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045996.D
Acq: 30 Apr 2025 14:29

Tgt Ion: 75 Resp: 29869
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

