

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045679.D
 Acq On : 09 Apr 2025 16:29
 Operator : JC/MD
 Sample : Q1746-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-SB02

Quant Time: Apr 10 01:36:25 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)

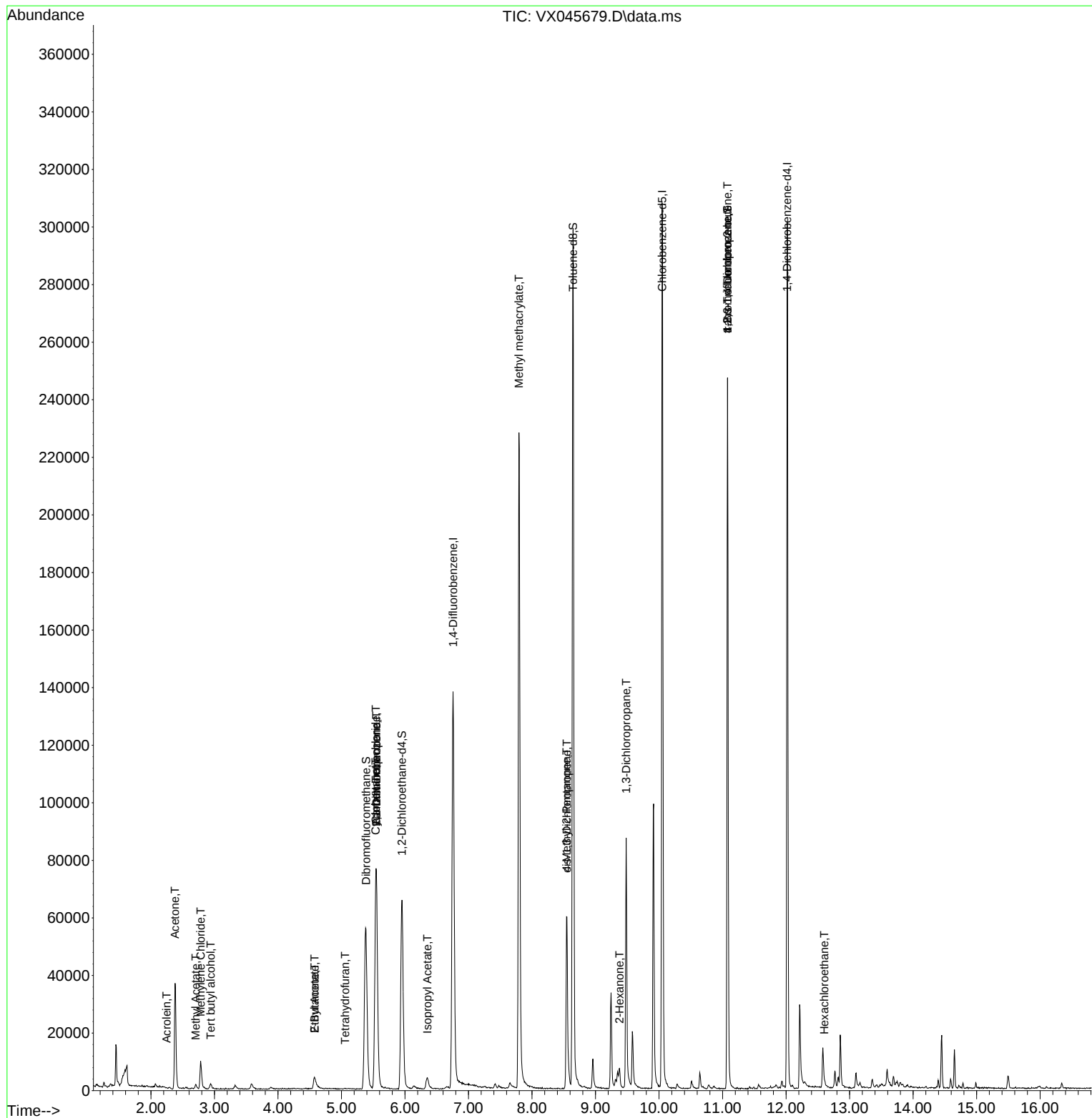
Internal Standards						
1) Pentafluorobenzene	5.550	168	66411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132306	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68181	56.140	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.280%
35) Dibromofluoromethane	5.385	113	48876	52.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.140%
50) Toluene-d8	8.647	98	170273	51.968	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.940%
62) 4-Bromofluorobenzene	11.079	95	63846	53.497	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1113	6.819	ug/l #	72
13) Acrolein	2.245	56	96	0.427	ug/l #	15
16) Acetone	2.380	43	40298	80.806	ug/l	97
18) Methyl Acetate	2.703	43	1949	1.697	ug/l	93
20) Methylene Chloride	2.782	84	4301	4.607	ug/l #	90
25) 2-Butanone	4.574	43	8961	12.275	ug/l	100
29) Tetrahydrofuran	5.056	42	184	0.389	ug/l #	35
31) Cyclohexane	5.537	56	1926	1.293	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	6742	5.319	ug/l #	42
37) Ethyl Acetate	4.574	43	8961	5.610	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7747	5.656	ug/l #	17
43) Isopropyl Acetate	6.354	43	6357	2.626	ug/l	96
48) Methyl methacrylate	7.793	41	23636	18.910	ug/l #	52
51) 4-Methyl-2-Pentanone	8.543	43	25158	15.677	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	9487	6.818	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	629	0.387	ug/l #	42
59) 2-Hexanone	9.378	43	7147	6.014	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37279	28.151	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37279	95.542	ug/l #	1
90) Hexachloroethane	12.603	117	162	0.261	ug/l #	19

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

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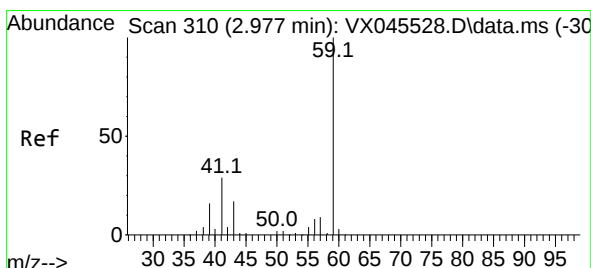
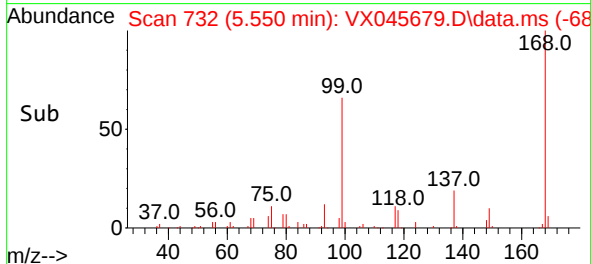
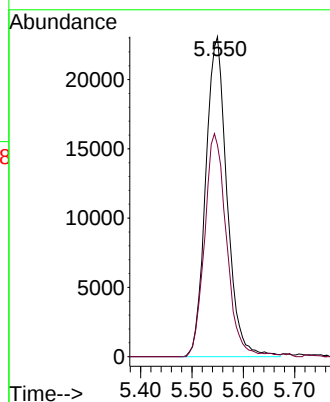
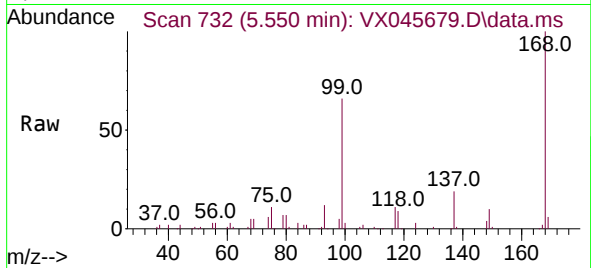




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

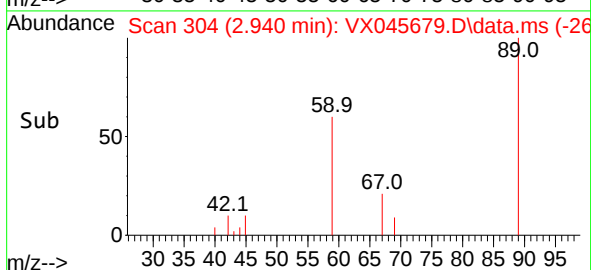
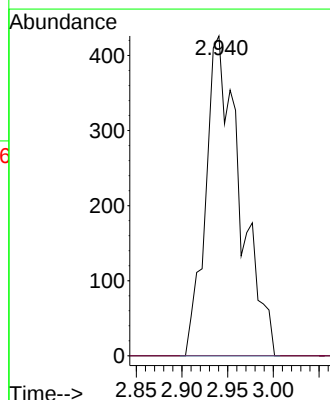
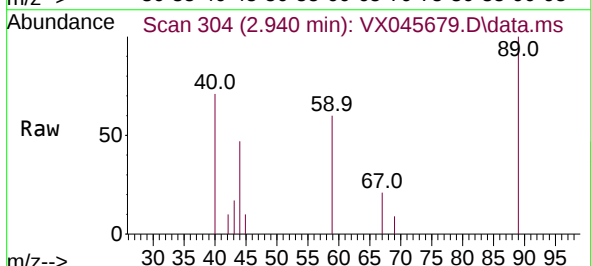
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

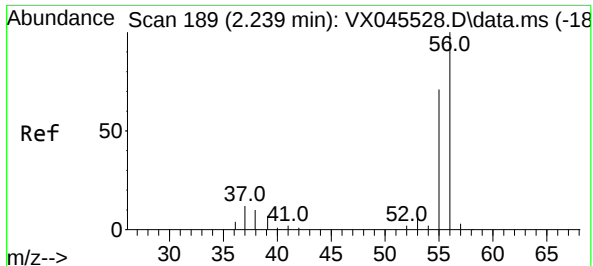
Tgt Ion:168 Resp: 66411
Ion Ratio Lower Upper
168 100
99 66.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 6.819 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 59 Resp: 1113
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

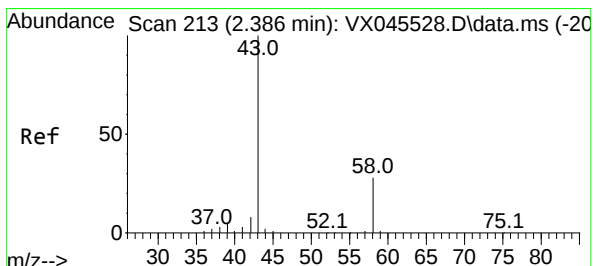
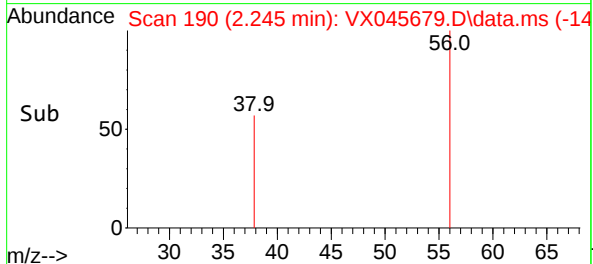
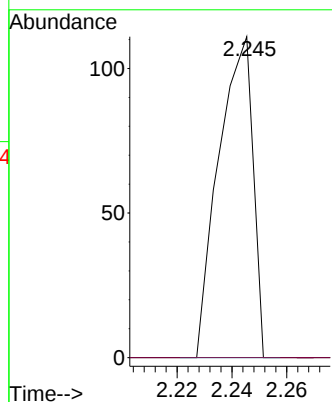
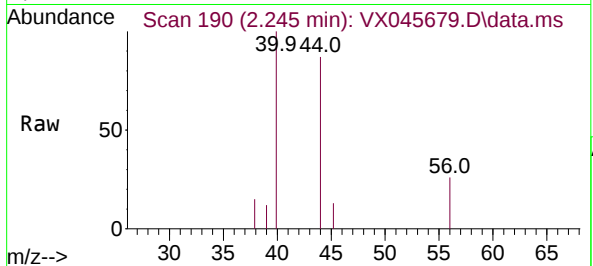




#13
Acrolein
Concen: 0.427 ug/l
RT: 2.245 min Scan# 19
Delta R.T. 0.006 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

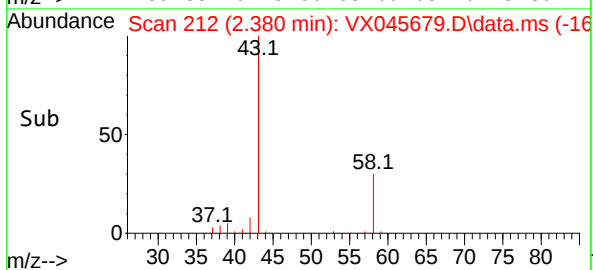
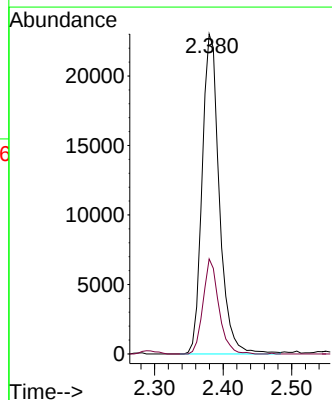
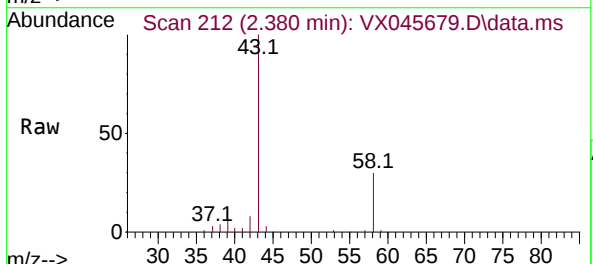
Instrument :
MSVOA_X
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B-149-SB02

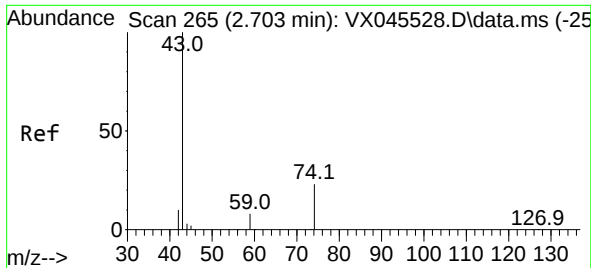
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 80.806 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 43 Resp: 40298
Ion Ratio Lower Upper
43 100
58 29.7 22.3 33.5

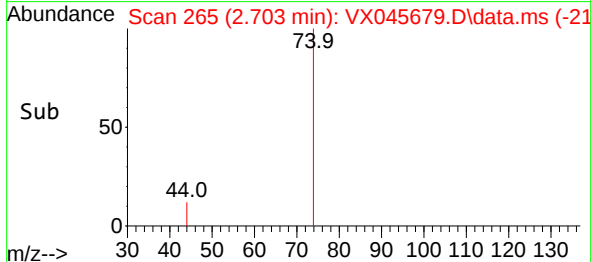
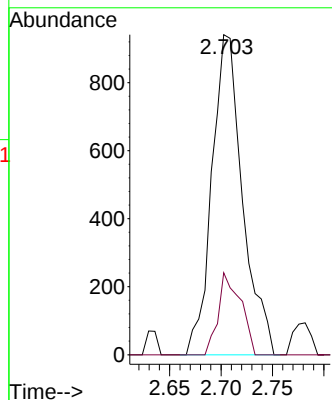
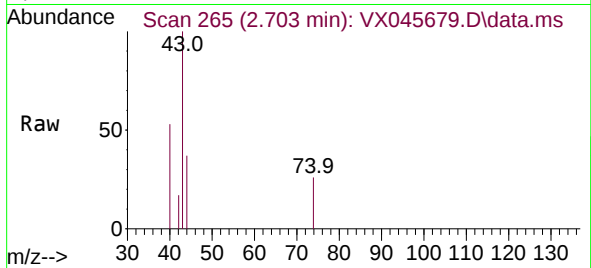




#18
Methyl Acetate
Concen: 1.697 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

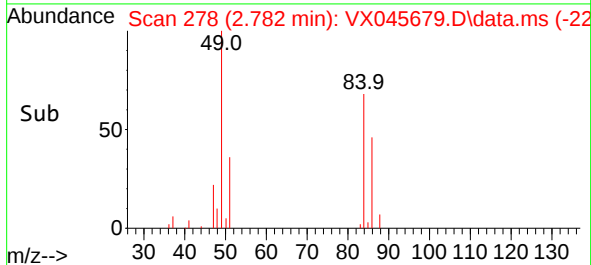
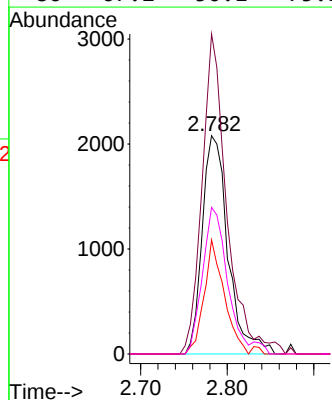
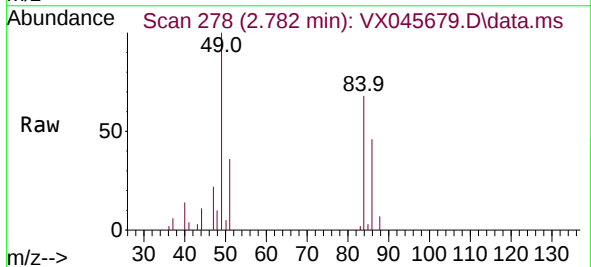
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

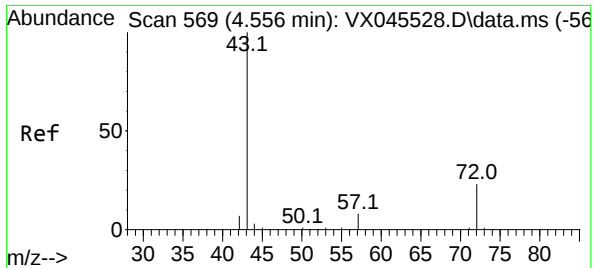
Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
74 18.7 17.5 26.3



#20
Methylene Chloride
Concen: 4.607 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 84 Resp: 4301
Ion Ratio Lower Upper
84 100
49 146.6 107.5 161.3
51 52.3 33.0 49.6#
86 67.2 50.1 75.1

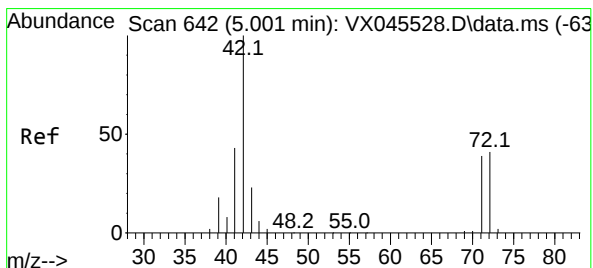
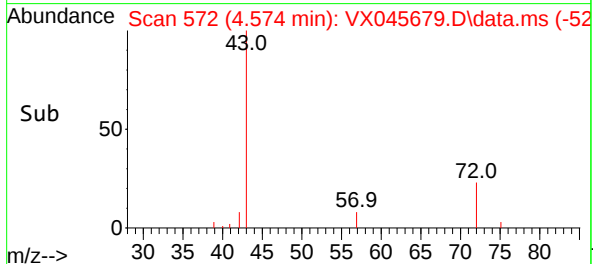
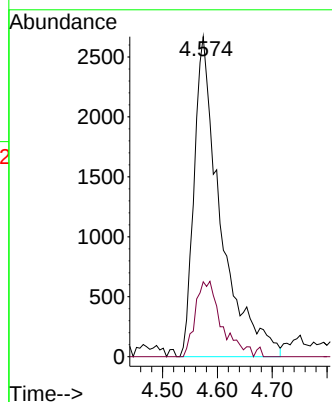
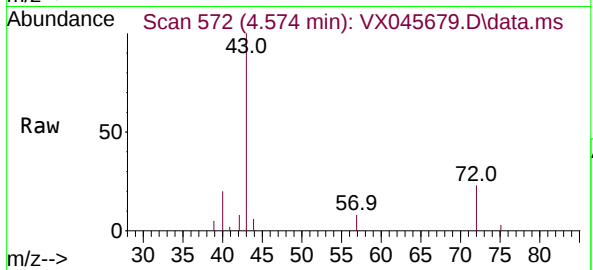




#25
2-Butanone
Concen: 12.275 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

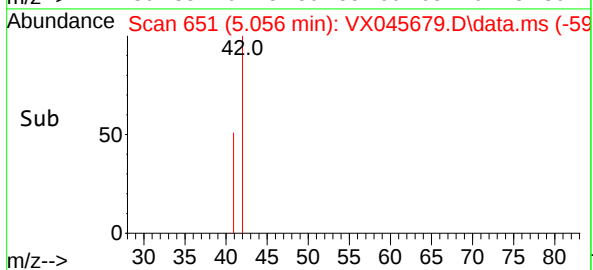
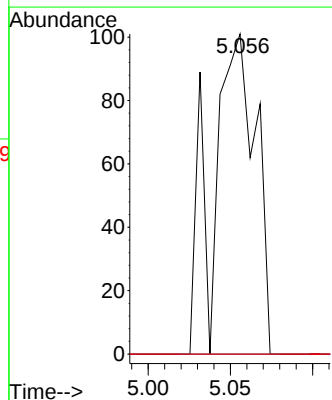
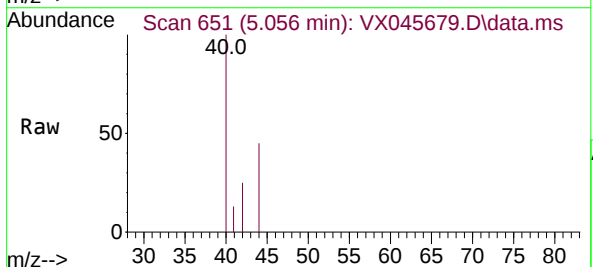
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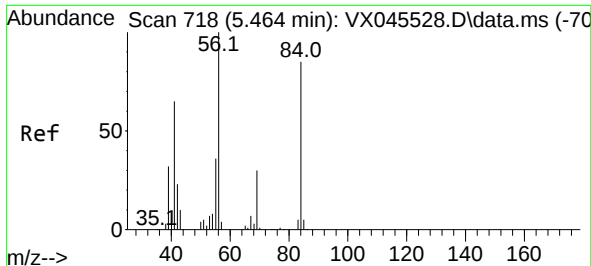
Tgt Ion: 43 Resp: 8961
Ion Ratio Lower Upper
43 100
72 23.4 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.389 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.055 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 42 Resp: 184
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

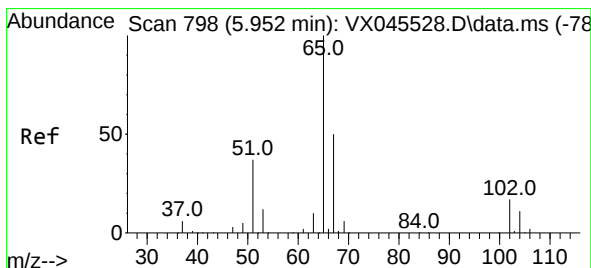
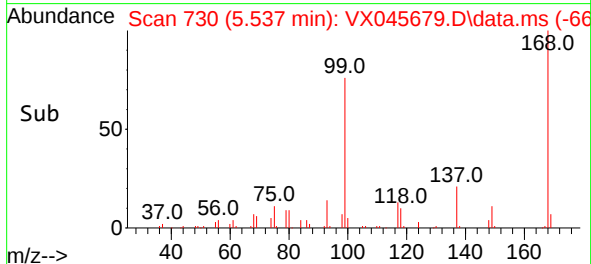
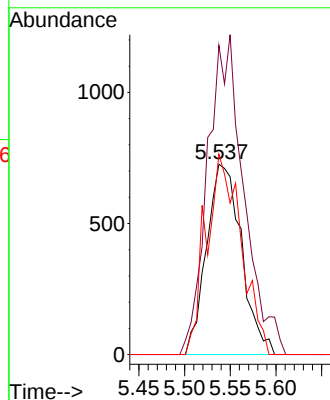
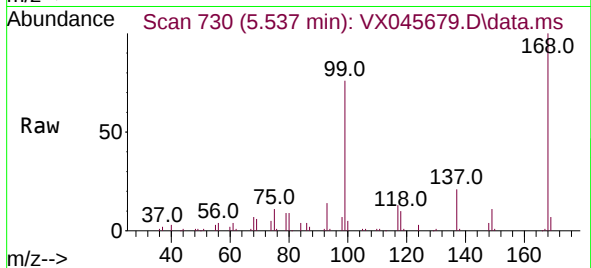




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

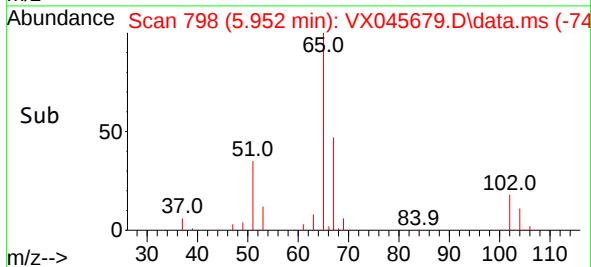
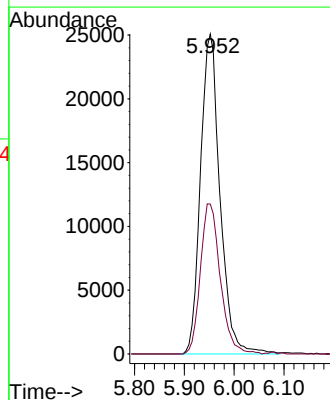
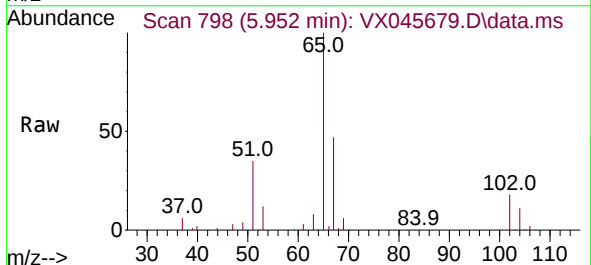
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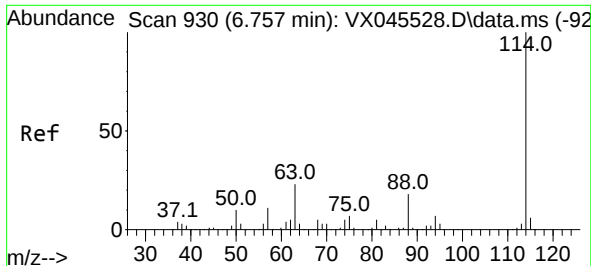
Tgt Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 162.4 23.6 35.4#
84 105.2 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 56.140 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 65 Resp: 68181
Ion Ratio Lower Upper
65 100
67 47.8 0.0 99.0

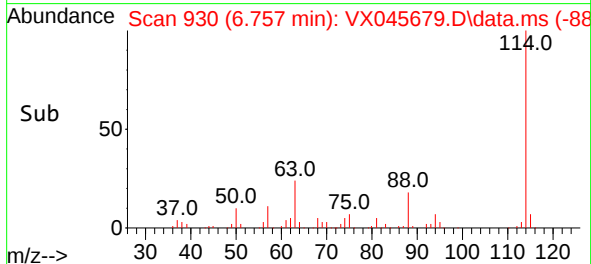
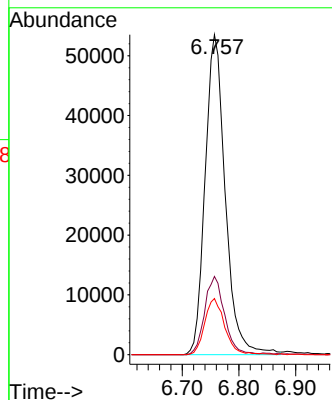
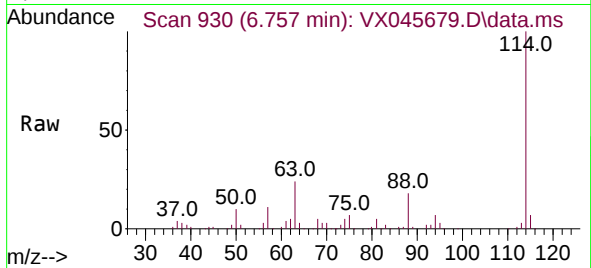




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

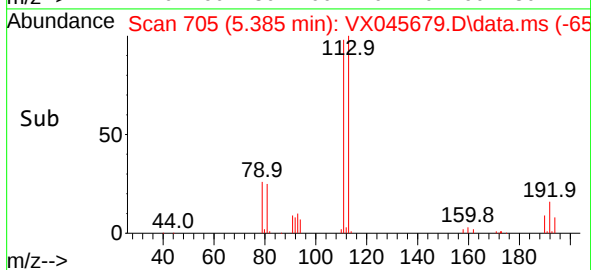
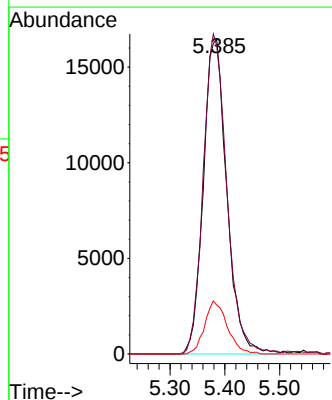
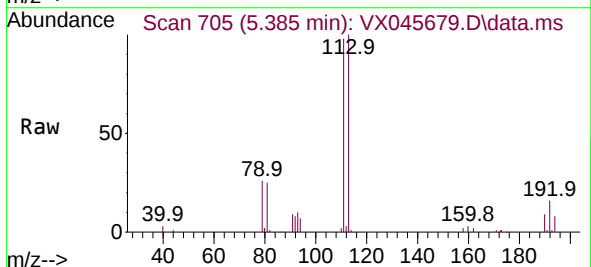
Instrument :
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Tgt Ion:114 Resp: 132306
Ion Ratio Lower Upper
114 100
63 24.4 0.0 46.8
88 17.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.067 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion:113 Resp: 48876
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 16.2 13.8 20.6

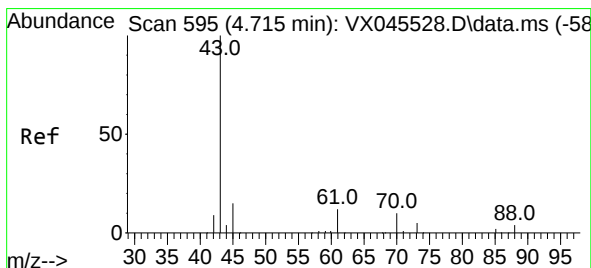
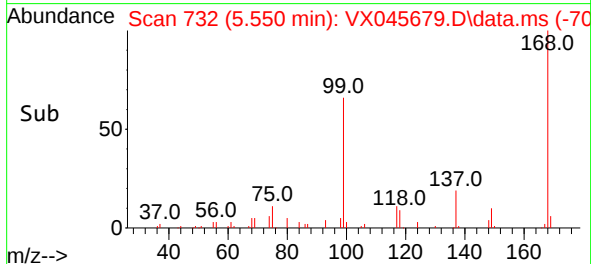
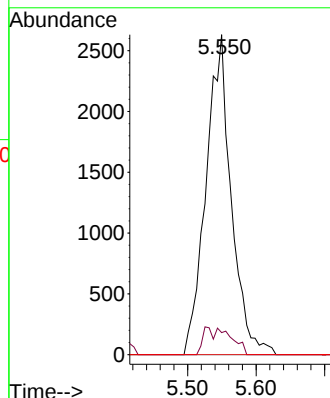
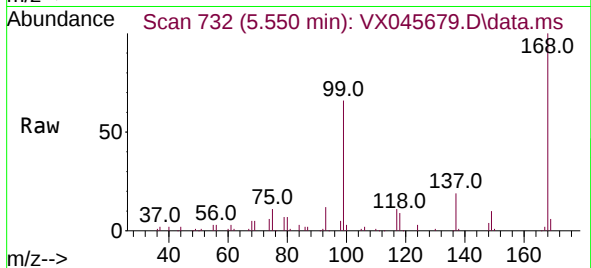




#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

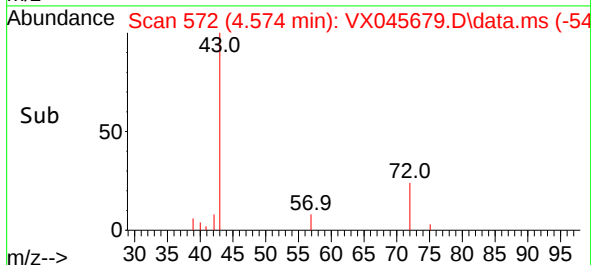
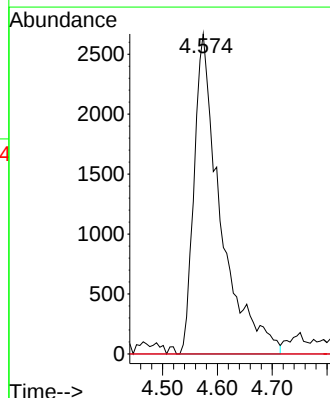
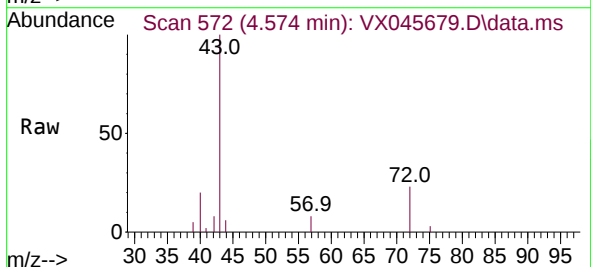
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

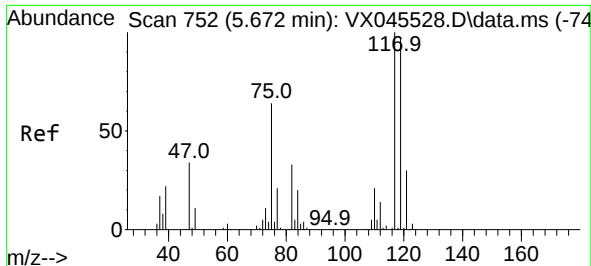
Tgt Ion: 75 Resp: 6742
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.610 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

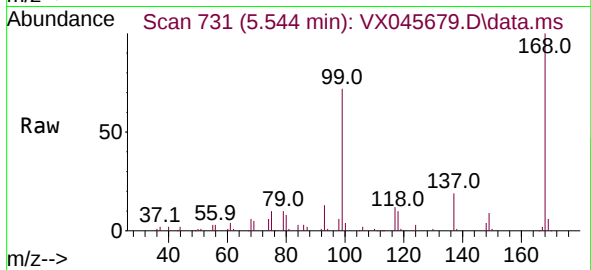
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Ion Ratio Lower Upper
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70 0.0 7.5 11.3#



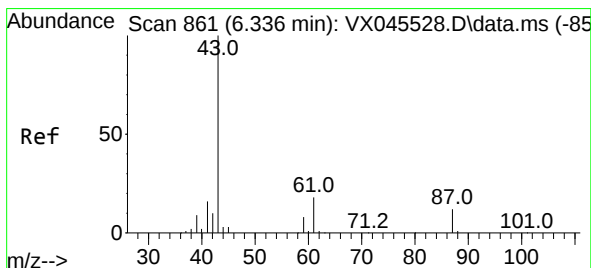
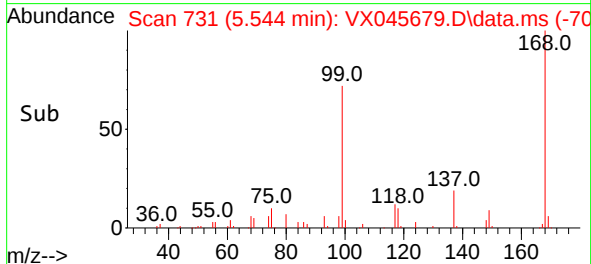
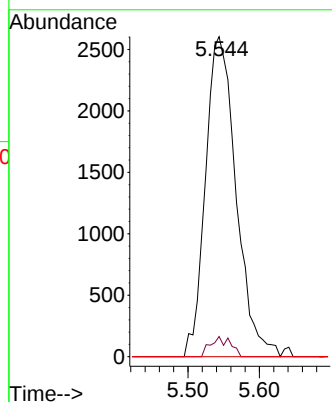


#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

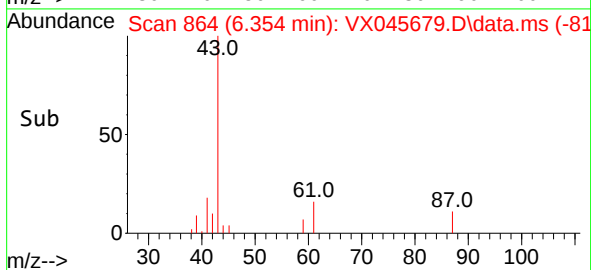
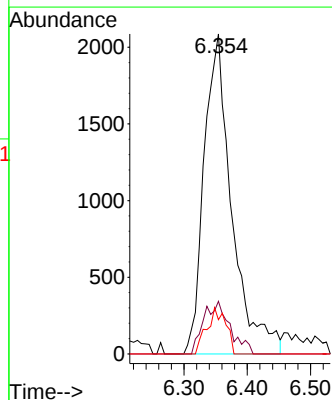
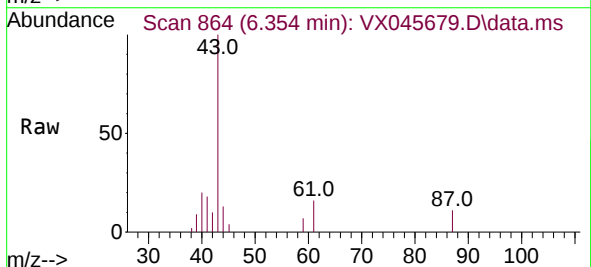


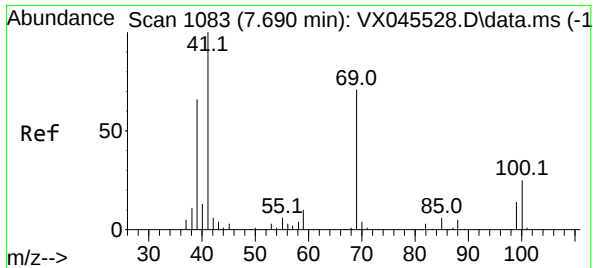
Tgt Ion:117 Resp: 7747
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.626 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
61 15.6 14.1 21.1
87 9.9 9.2 13.8

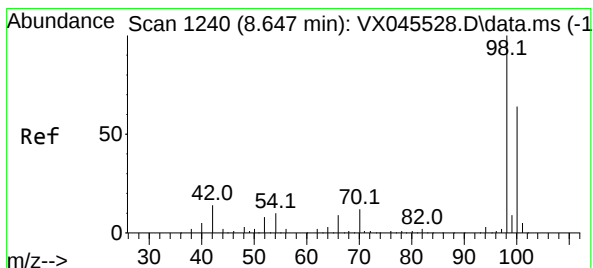
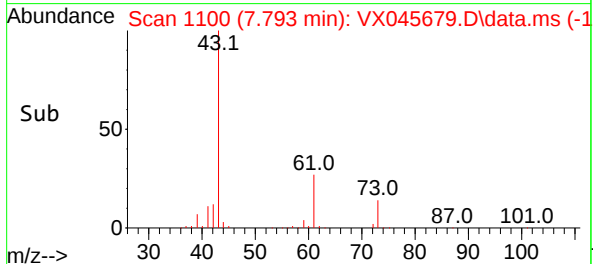
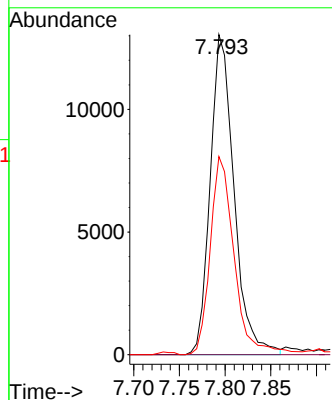
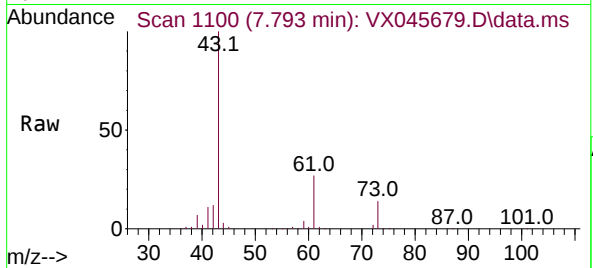




#48
Methyl methacrylate
Concen: 18.910 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

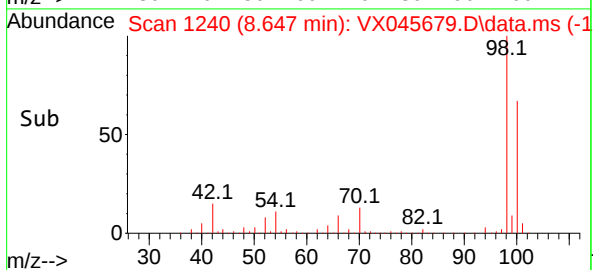
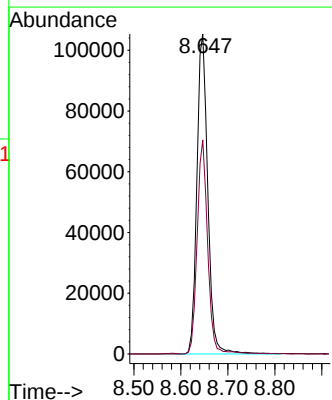
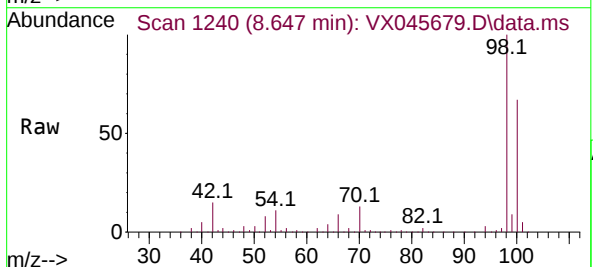
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

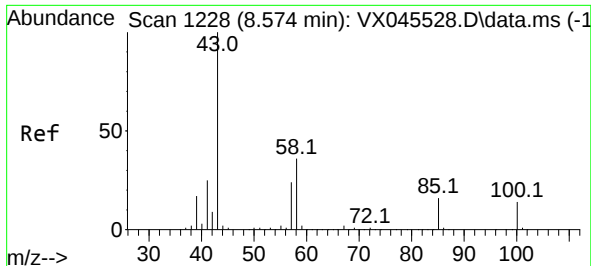
Tgt Ion: 41 Resp: 23636
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 62.4 53.6 80.4



#50
Toluene-d8
Concen: 51.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 98 Resp: 170273
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

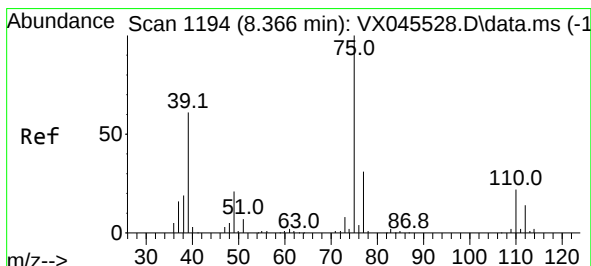
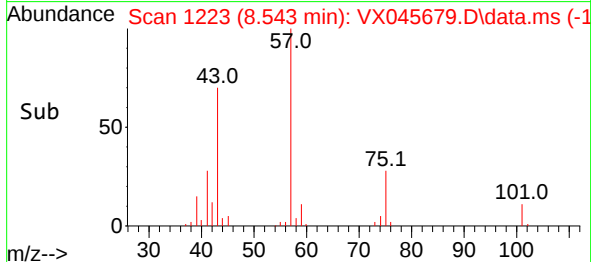
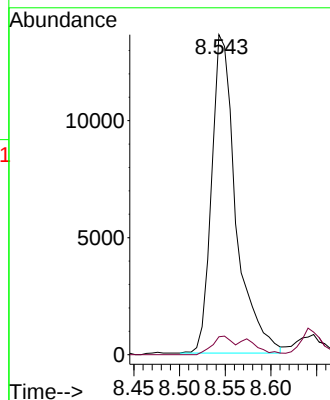
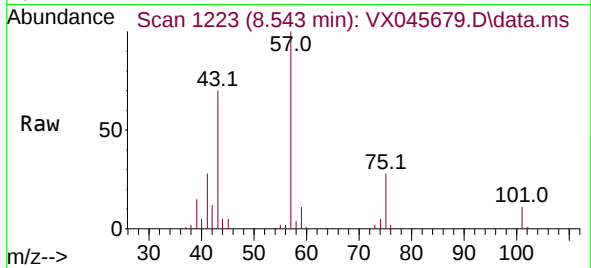




#51
4-Methyl-2-Pentanone
Concen: 15.677 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

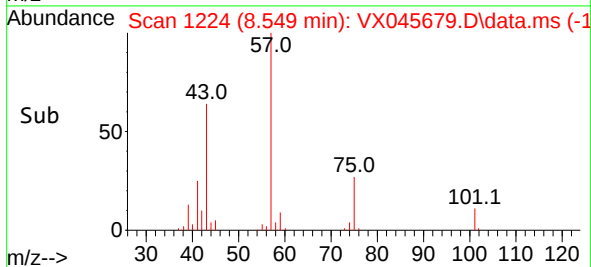
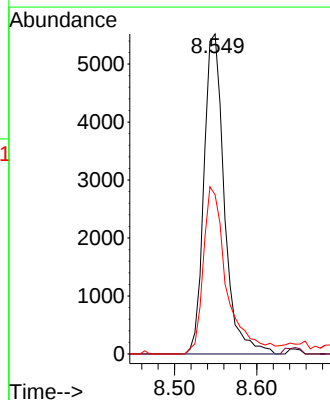
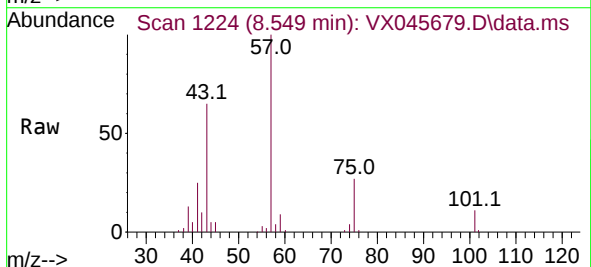
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

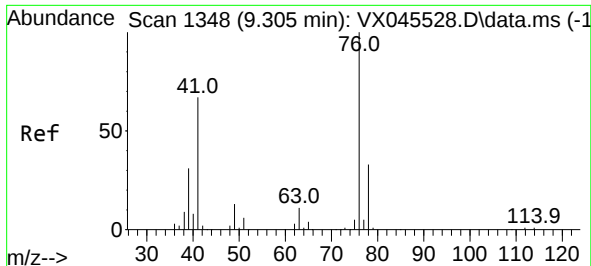
Tgt Ion: 43 Resp: 25158
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 6.818 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 75 Resp: 9487
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 49.7 48.4 72.6

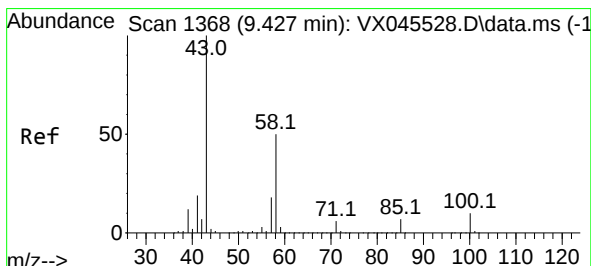
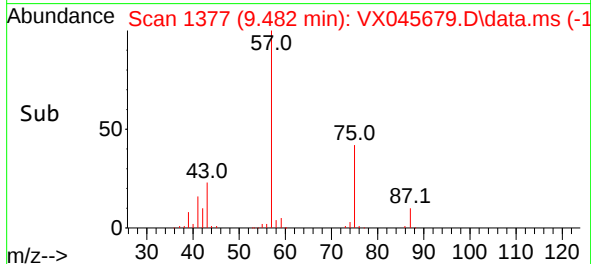
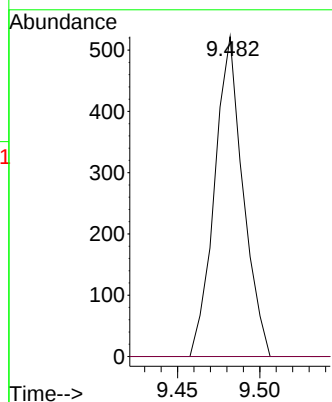
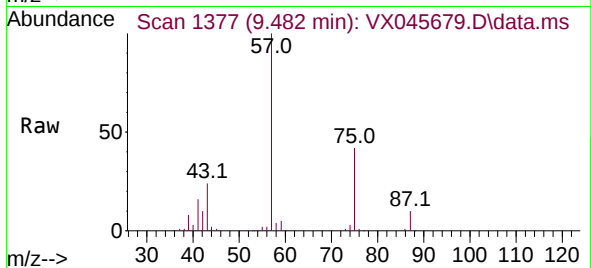




#57
1,3-Dichloropropane
Concen: 0.387 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

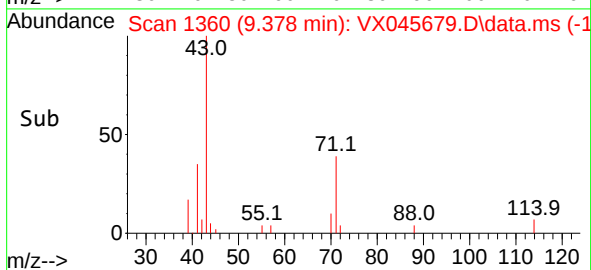
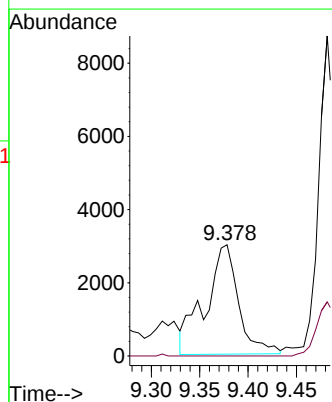
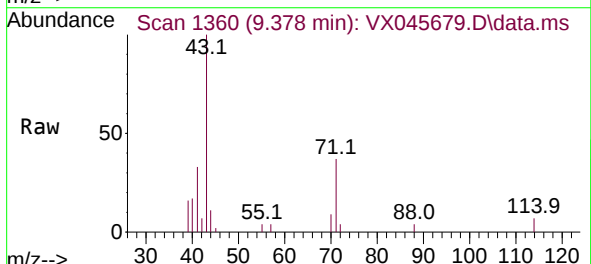
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

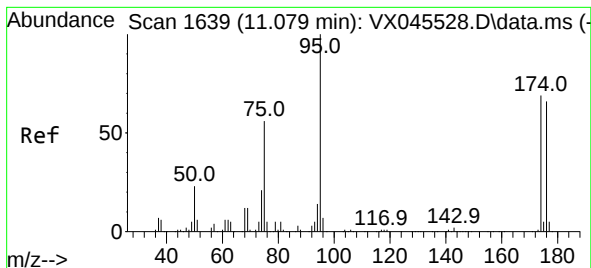
Tgt Ion: 76 Resp: 629
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 6.014 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 43 Resp: 7147
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

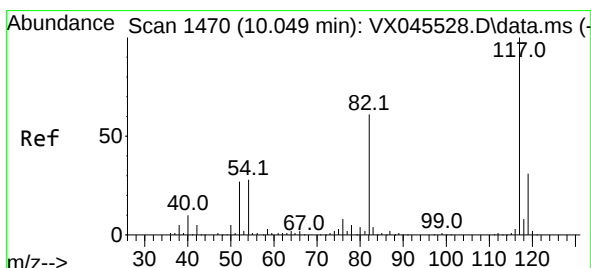
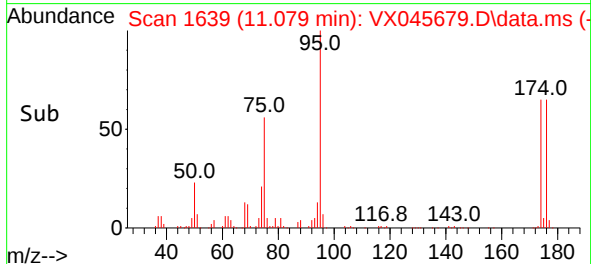
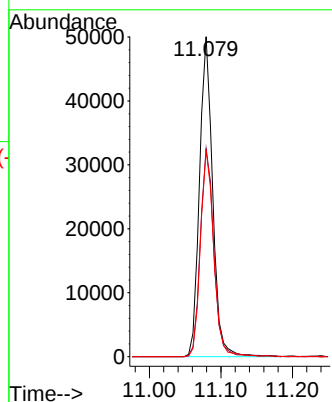
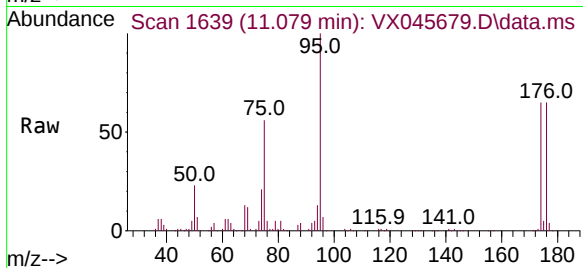




#62
4-Bromofluorobenzene
Concen: 53.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

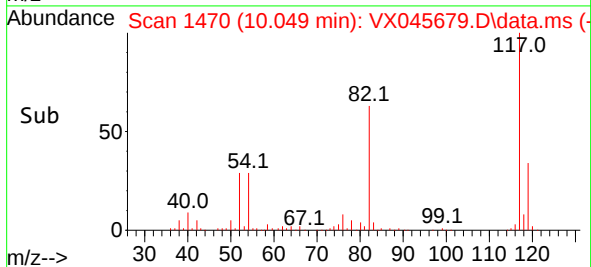
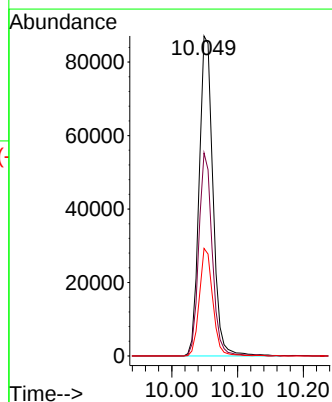
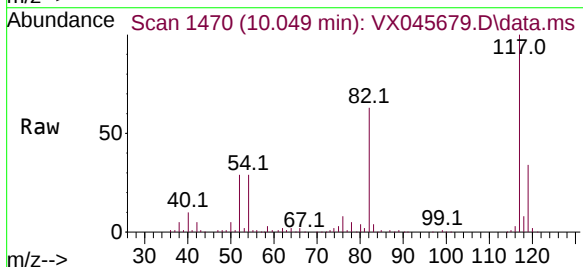
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

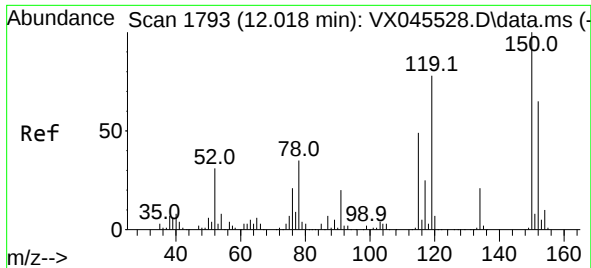
Tgt Ion: 95 Resp: 63846
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 65.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 117 Resp: 127098
Ion Ratio Lower Upper
117 100
82 63.4 49.2 73.8
119 33.6 25.1 37.7

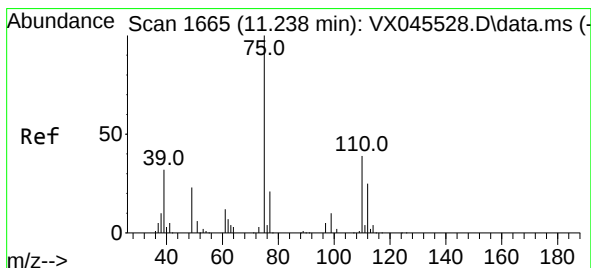
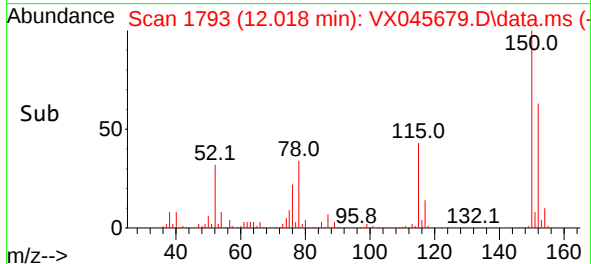
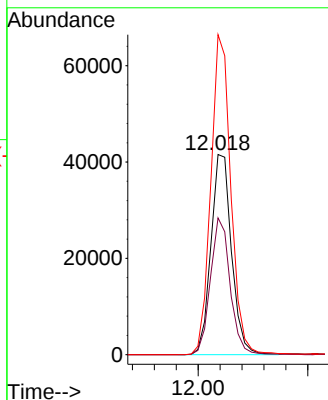
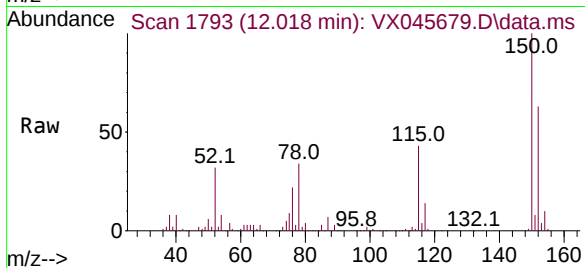




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045679.D
 Acq: 09 Apr 2025 16:29

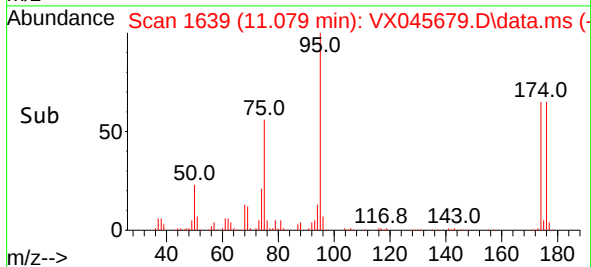
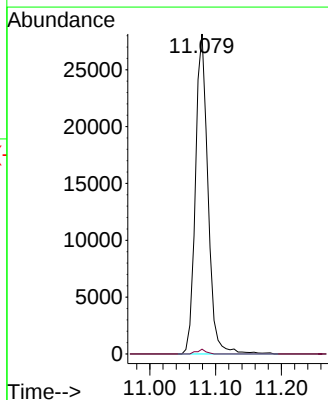
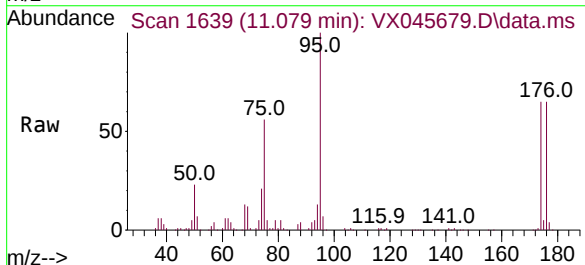
Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-SB02

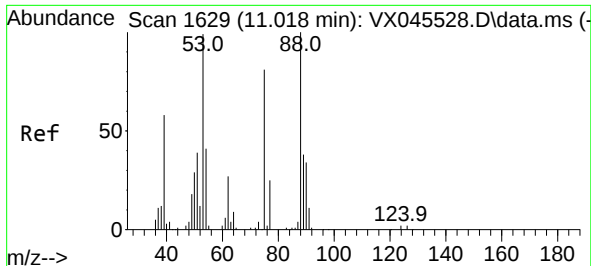
Tgt Ion:152 Resp: 54289
 Ion Ratio Lower Upper
 152 100
 115 65.3 46.9 140.7
 150 155.1 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.151 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045679.D
 Acq: 09 Apr 2025 16:29

Tgt Ion: 75 Resp: 37279
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

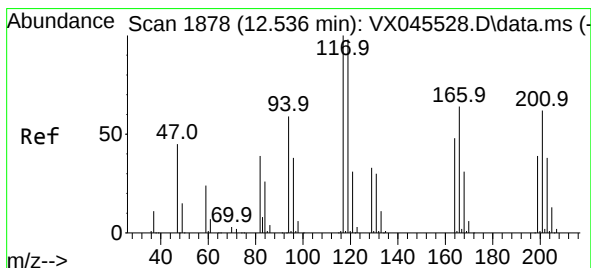
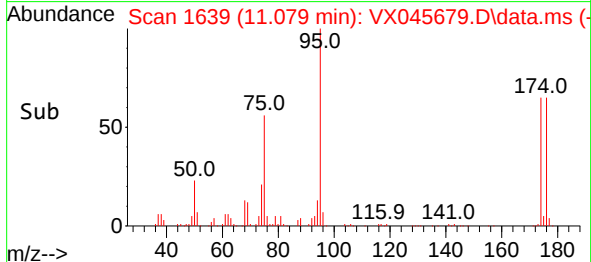
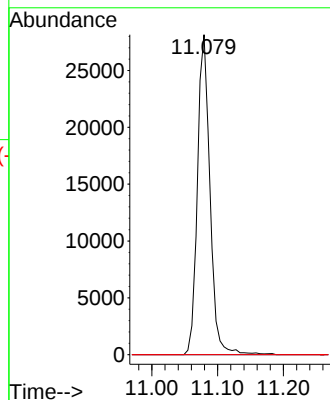
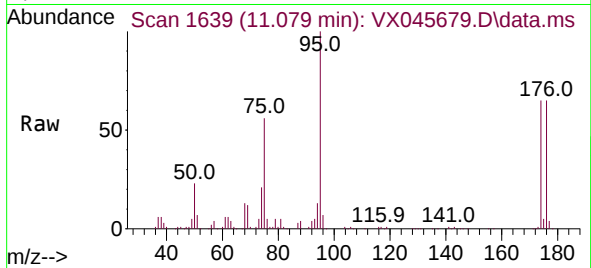




#81
trans-1,4-Dichloro-2-butene
Concen: 95.542 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Instrument :
MSVOA_X
ClientSampleId :
B-149-SB02

Tgt Ion: 75 Resp: 37279
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#90
Hexachloroethane
Concen: 0.261 ug/l
RT: 12.603 min Scan# 1889
Delta R.T. 0.067 min
Lab File: VX045679.D
Acq: 09 Apr 2025 16:29

Tgt Ion: 117 Resp: 162
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#

