

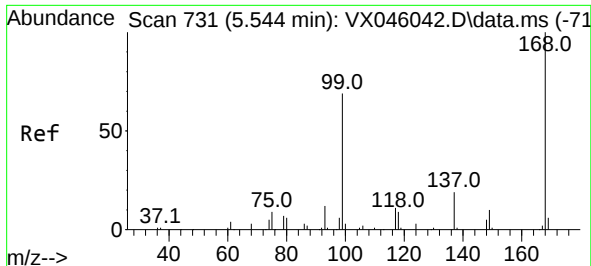
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046542.D
 Acq On : 06 Jun 2025 20:42
 Operator : JC/MD
 Sample : Q2208-36
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-09

Quant Time: Jun 06 23:27:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.574	168	116001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	103537	50.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.340%	
35) Dibromofluoromethane	5.403	113	76651	45.684	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.360%	
50) Toluene-d8	8.653	98	288584	52.169	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.340%	
62) 4-Bromofluorobenzene	11.079	95	132292	57.802	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.600%	
Target Compounds						Qvalue
5) Bromomethane	1.630	94	226	0.255	ug/l	# 4
6) Chloroethane	1.672	64	288	0.304	ug/l	91
8) Diethyl Ether	2.154	74	22993	26.916	ug/l	94
11) Tert butyl alcohol	2.977	59	94	0.410	ug/l	# 72
13) Acrolein	2.258	56	267	30.854	ug/l	91
16) Acetone	2.398	43	22740	32.138	ug/l	94
17) Carbon Disulfide	2.538	76	346	0.320	ug/l	# 76
18) Methyl Acetate	2.721	43	13297	5.409	ug/l	96
20) Methylene Chloride	2.806	84	3190	1.927	ug/l	90
25) 2-Butanone	4.605	43	3512	3.057	ug/l	92
31) Cyclohexane	5.568	56	3111	1.297	ug/l	# 1
36) 1,1-Dichloropropene	5.568	75	10927	4.559	ug/l	# 51
37) Ethyl Acetate	4.745	43	9334	3.990	ug/l	# 93
38) Carbon Tetrachloride	5.568	117	13978	5.207	ug/l	# 17
43) Isopropyl Acetate	6.373	43	5454	1.337	ug/l	# 92
48) Methyl methacrylate	7.805	41	41893	19.967	ug/l	# 48
51) 4-Methyl-2-Pentanone	8.555	43	56482	21.796	ug/l	# 50
54) cis-1,3-Dichloropropene	8.555	75	23124	8.611	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	1625	0.553	ug/l	# 42
59) 2-Hexanone	9.488	43	25156	13.536	ug/l	# 55
76) 1,2,3-Trichloropropane	11.079	75	74821	29.151	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	74821	84.088	ug/l	# 1

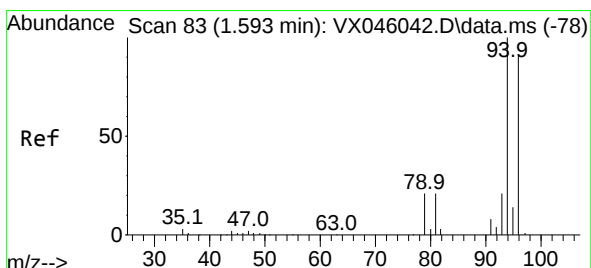
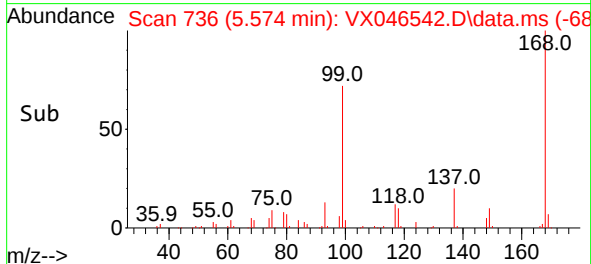
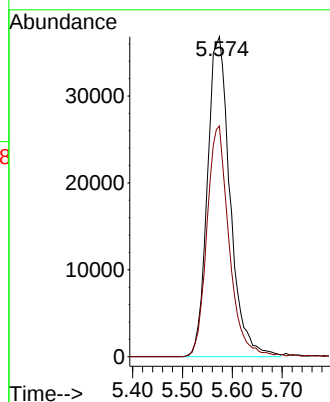
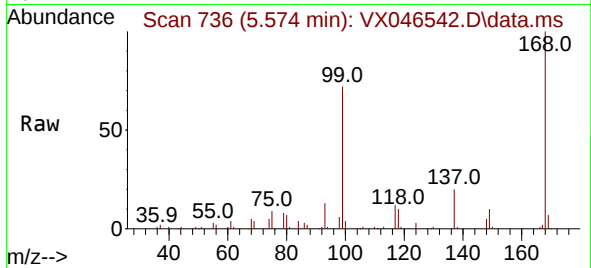
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

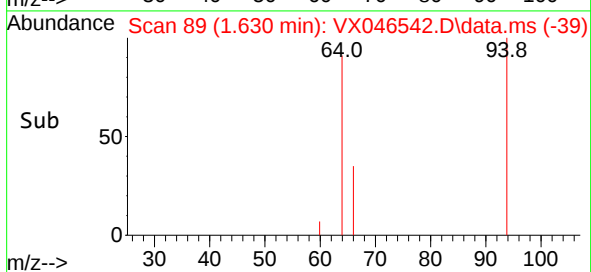
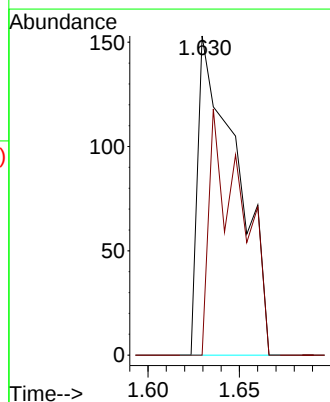
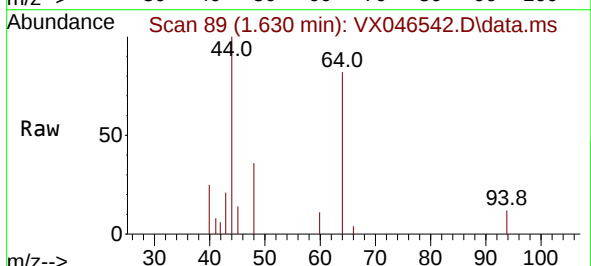
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

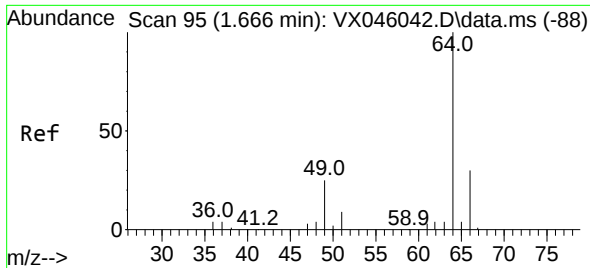
Tgt Ion:168 Resp: 116001
Ion Ratio Lower Upper
168 100
99 72.1 54.9 82.3



#5
Bromomethane
Concen: 0.255 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

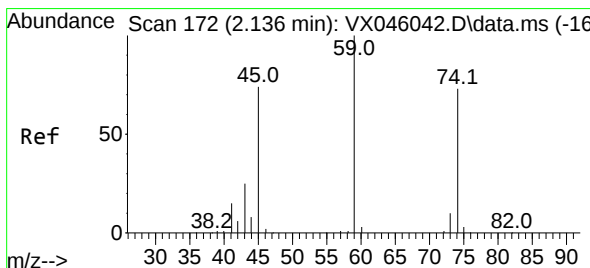
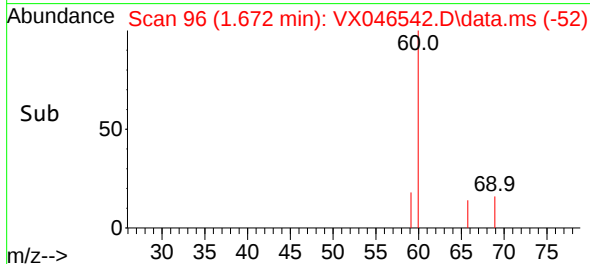
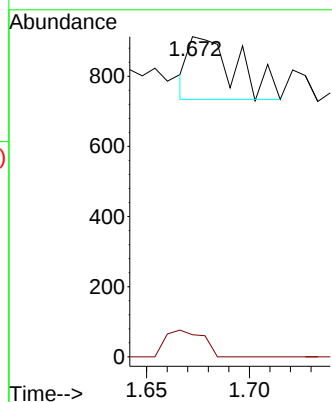
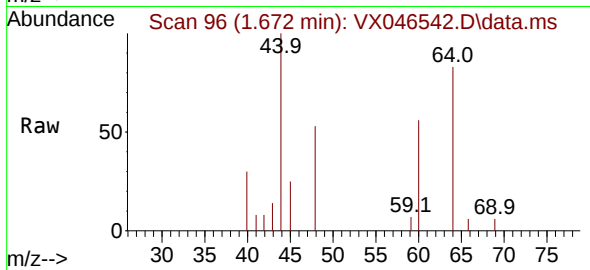




#6
Chloroethane
Concen: 0.304 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.031 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

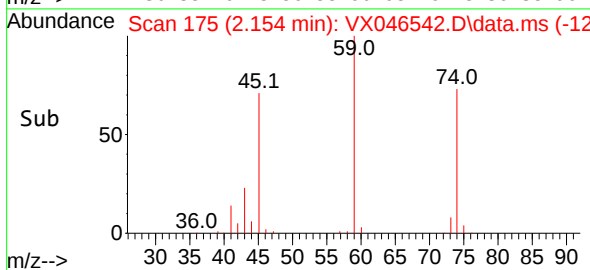
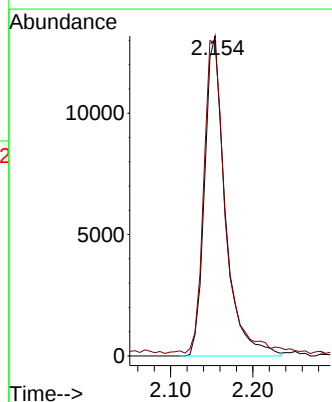
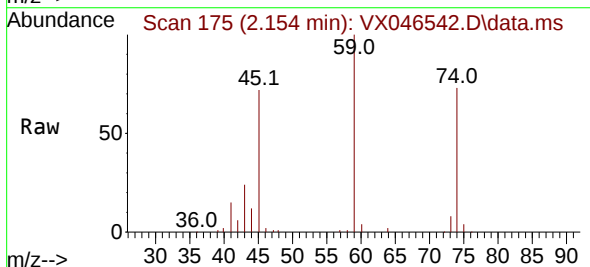
Instrument :
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ClientSampleId :
BU-703-COMP-09

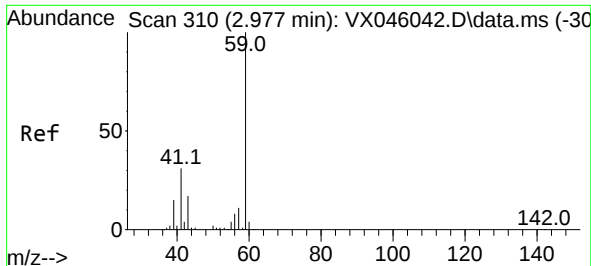
Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 35.2 24.3 36.5



#8
Diethyl Ether
Concen: 26.916 ug/l
RT: 2.154 min Scan# 175
Delta R.T. -0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 74 Resp: 22993
Ion Ratio Lower Upper
74 100
45 103.2 54.9 164.8

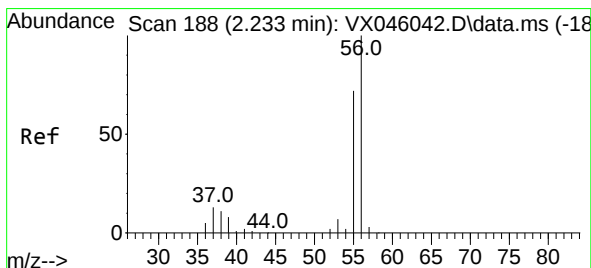
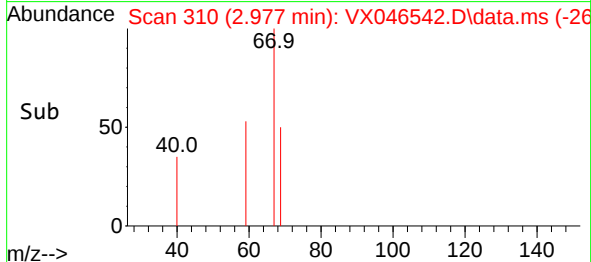
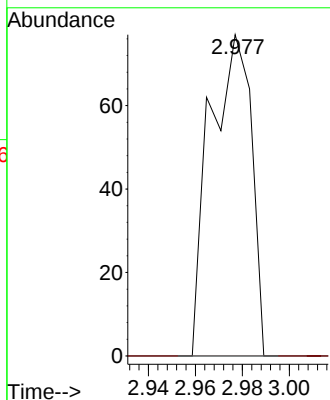
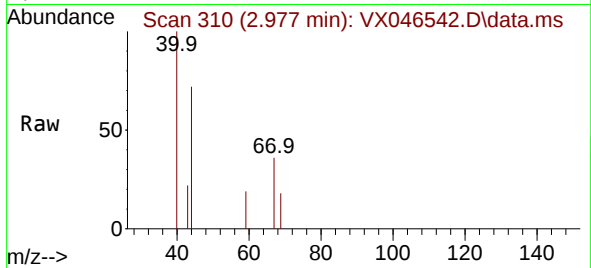




#11
Tert butyl alcohol
Concen: 0.410 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

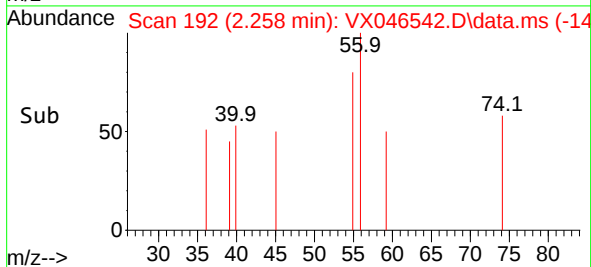
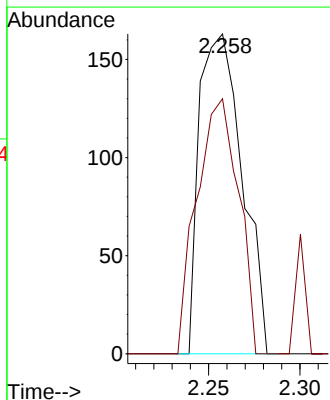
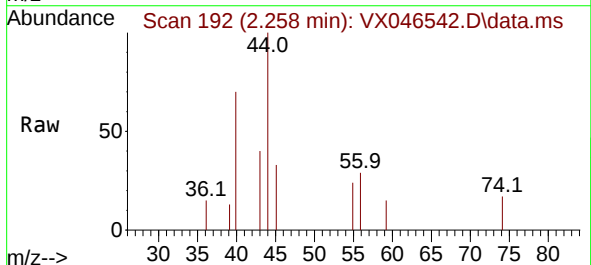
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

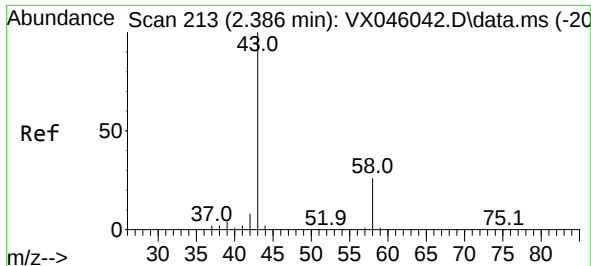
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 30.854 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.007 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 77.5 56.2 84.4

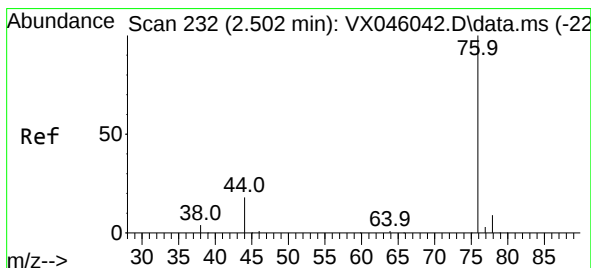
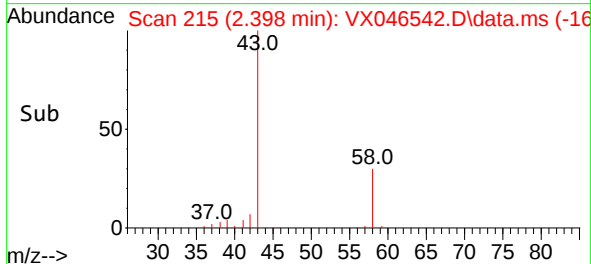
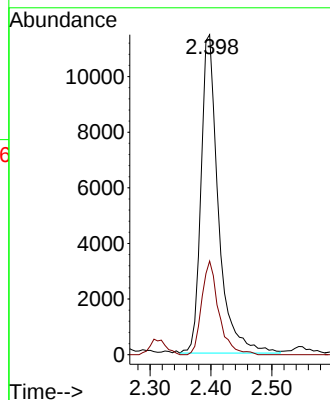
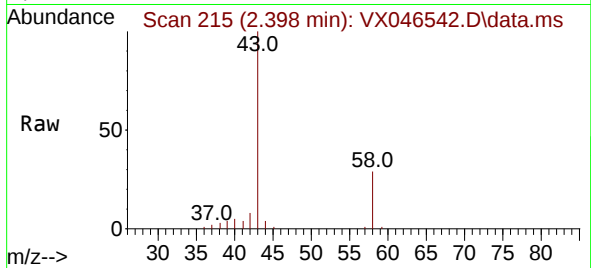




#16
Acetone
Concen: 32.138 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

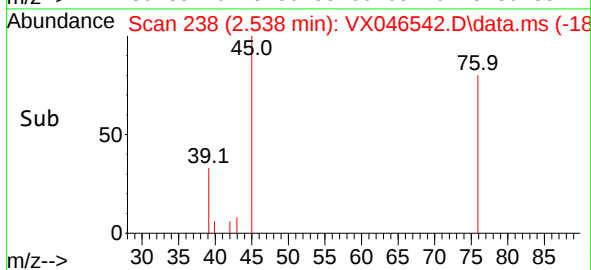
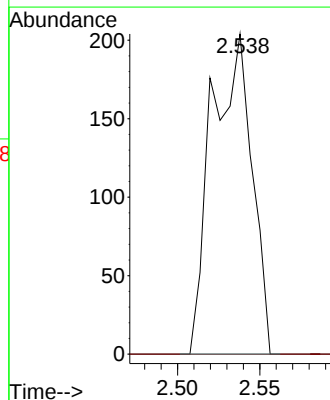
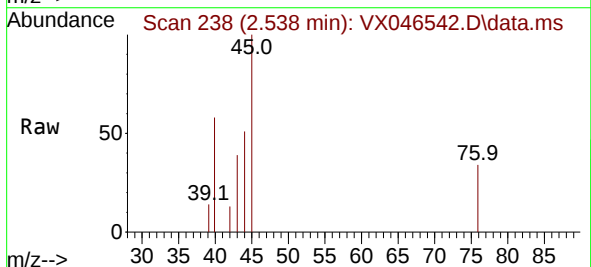
Instrument :
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ClientSampleId :
BU-703-COMP-09

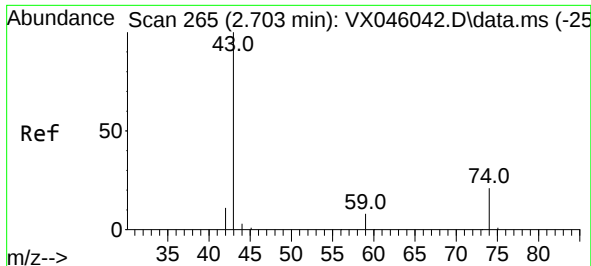
Tgt Ion: 43 Resp: 22740
Ion Ratio Lower Upper
43 100
58 29.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 76 Resp: 346
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

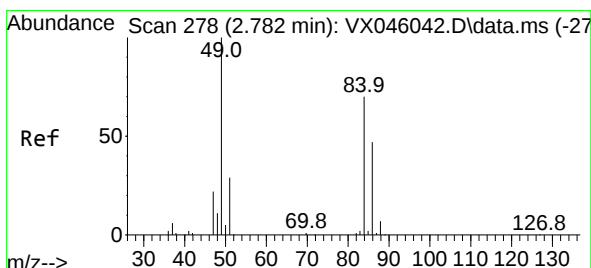
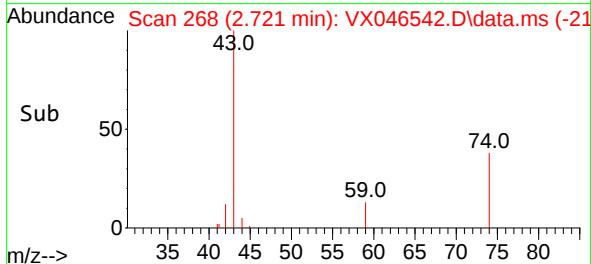
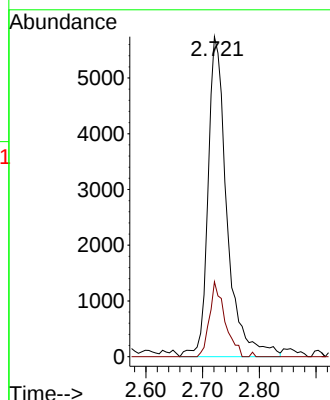
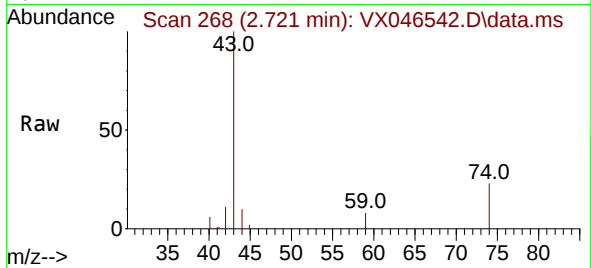




#18
Methyl Acetate
Concen: 5.409 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

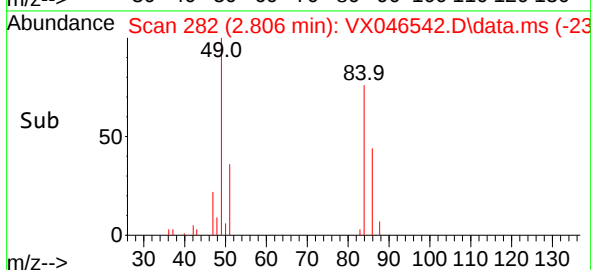
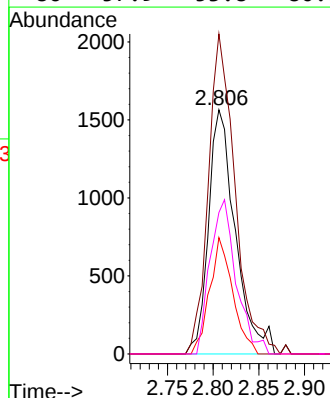
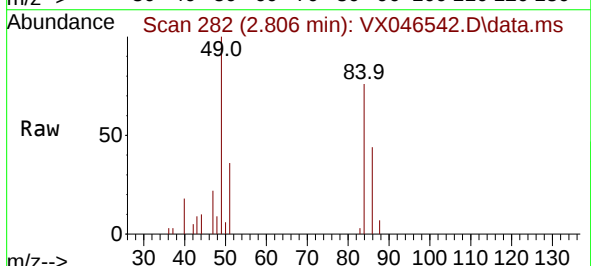
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

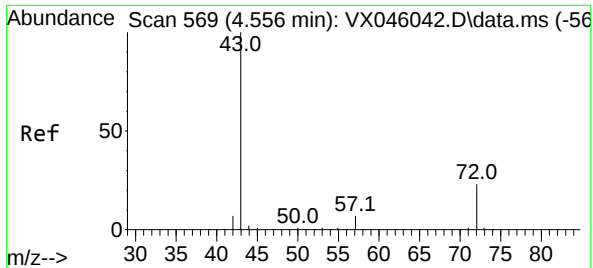
Tgt Ion: 43 Resp: 13297
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1



#20
Methylene Chloride
Concen: 1.927 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 84 Resp: 3190
Ion Ratio Lower Upper
84 100
49 131.1 113.9 170.9
51 47.6 33.5 50.3
86 57.9 53.8 80.8

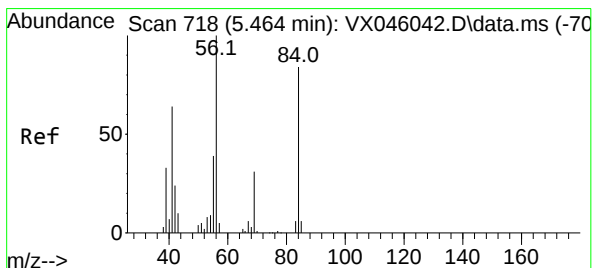
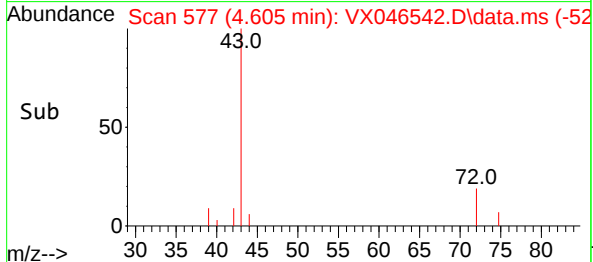
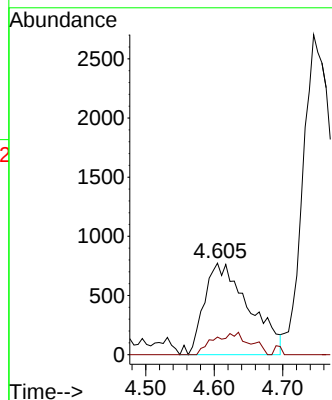
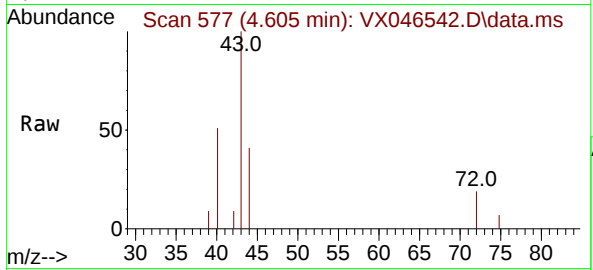




#25
2-Butanone
Concen: 3.057 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

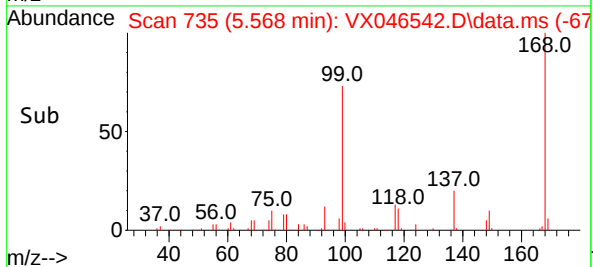
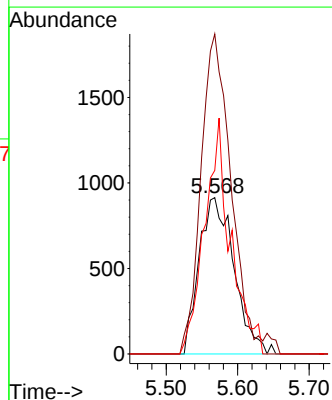
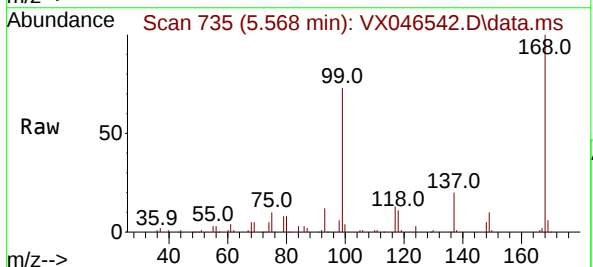
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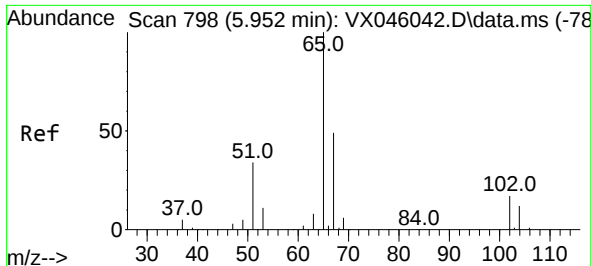
Tgt Ion: 43 Resp: 3512
Ion Ratio Lower Upper
43 100
72 19.3 18.4 27.6



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 56 Resp: 3111
Ion Ratio Lower Upper
56 100
69 204.7 24.4 36.6#
84 117.4 66.9 100.3#

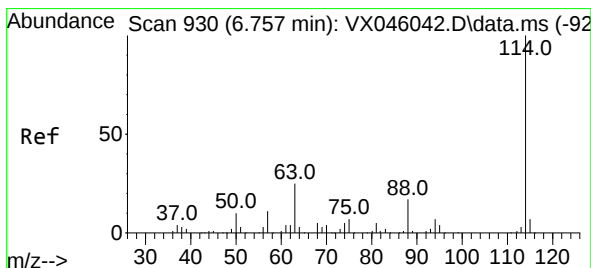
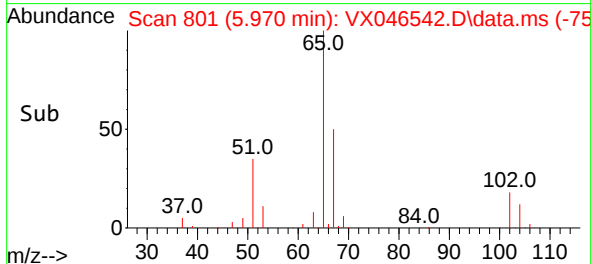
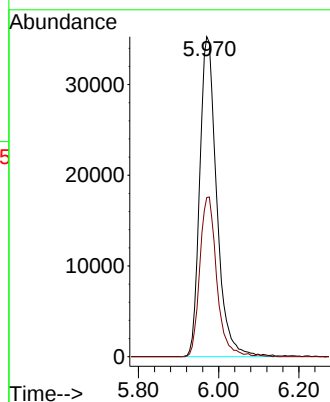
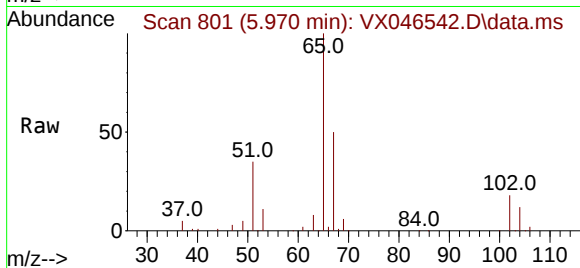




#33
 1,2-Dichloroethane-d4
 Concen: 50.169 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046542.D
 Acq: 06 Jun 2025 20:42

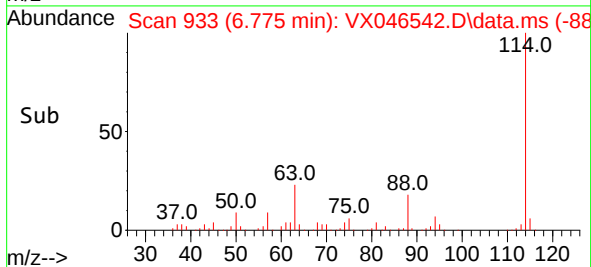
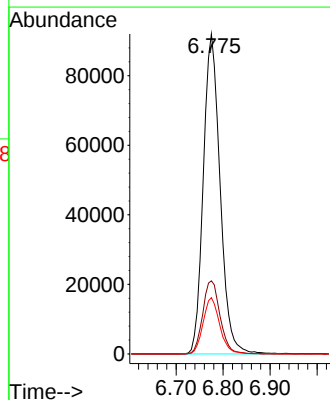
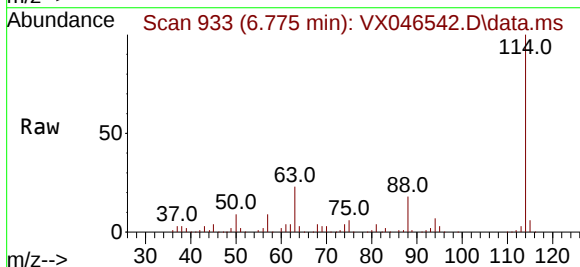
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-09

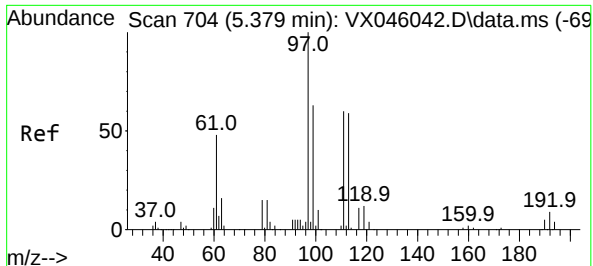
Tgt Ion: 65 Resp: 103537
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046542.D
 Acq: 06 Jun 2025 20:42

Tgt Ion: 114 Resp: 228156
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 49.2
 88 17.6 0.0 33.6

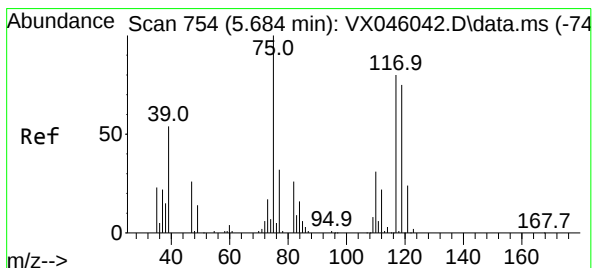
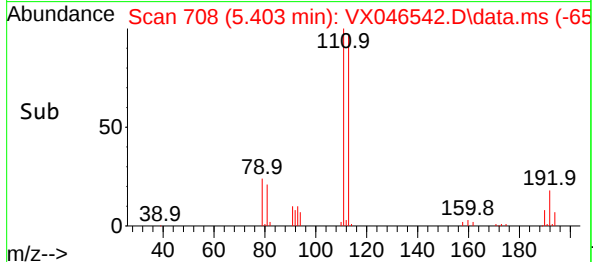
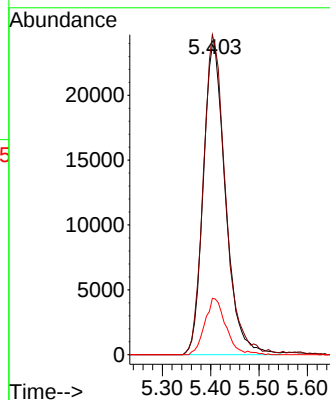
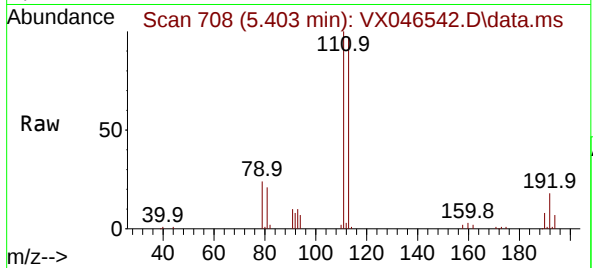




#35
Dibromofluoromethane
Concen: 45.684 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

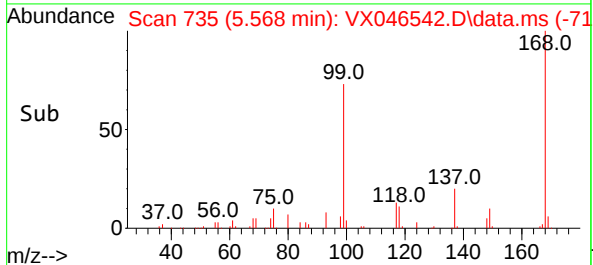
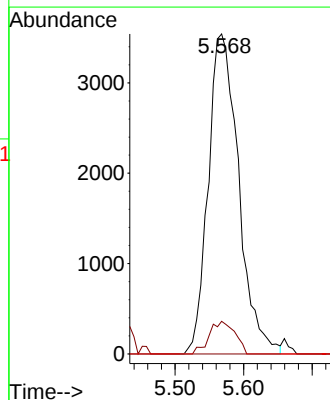
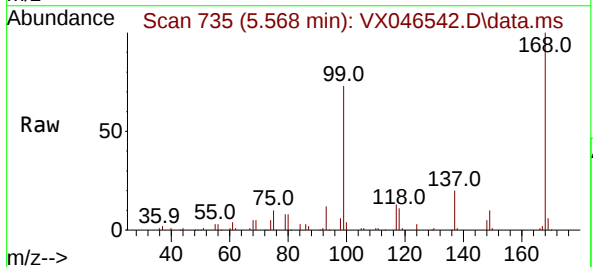
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

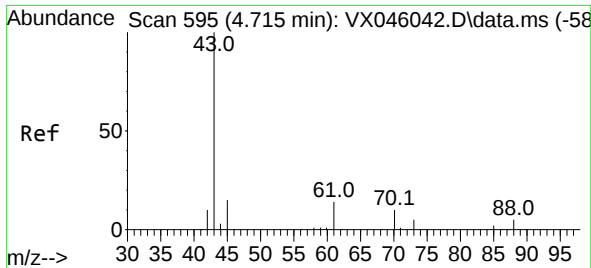
Tgt Ion:113 Resp: 76651
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 17.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 75 Resp: 10927
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.0 24.3 36.5#

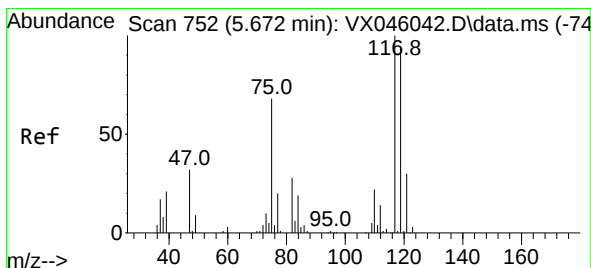
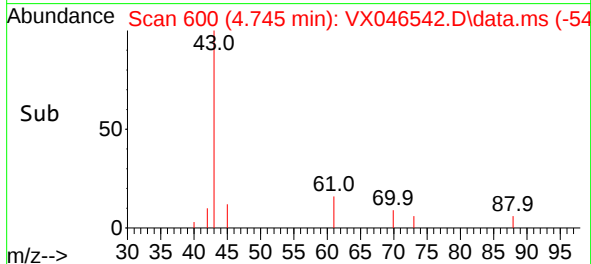
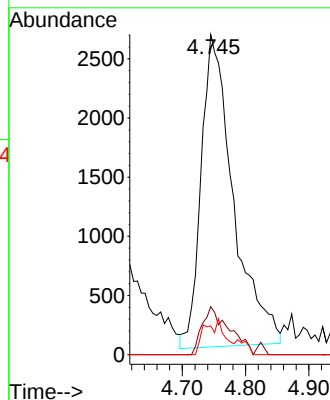
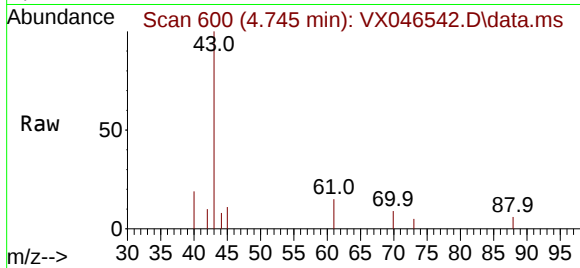




#37
Ethyl Acetate
Concen: 3.990 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

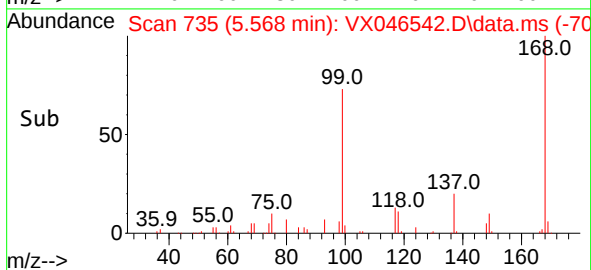
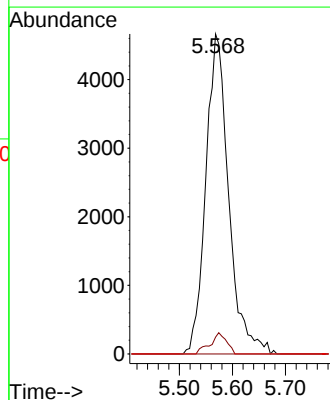
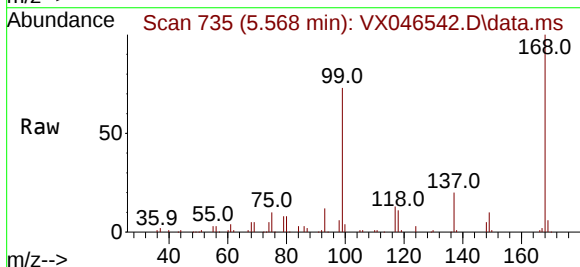
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

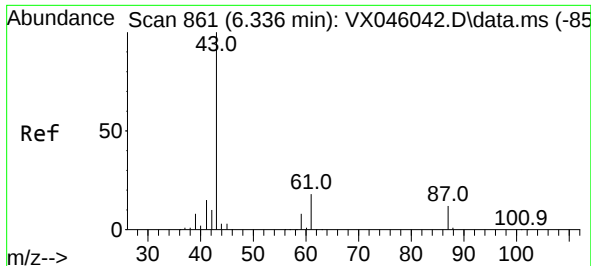
Tgt Ion: 43 Resp: 9334
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 4.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 117 Resp: 13978
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#

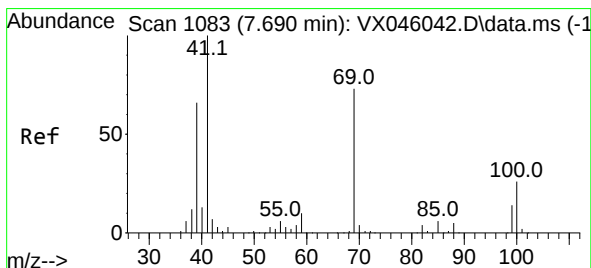
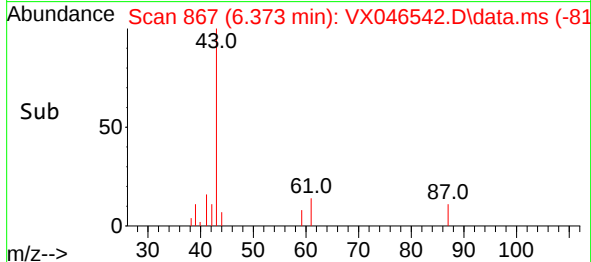
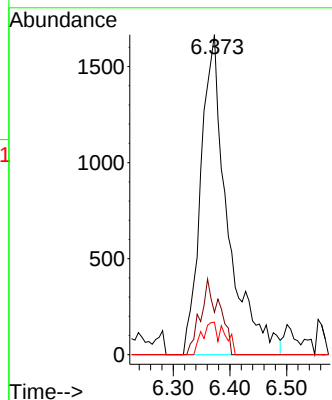
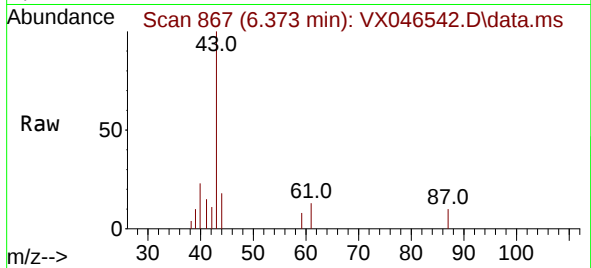




#43
Isopropyl Acetate
Concen: 1.337 ug/l
RT: 6.373 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

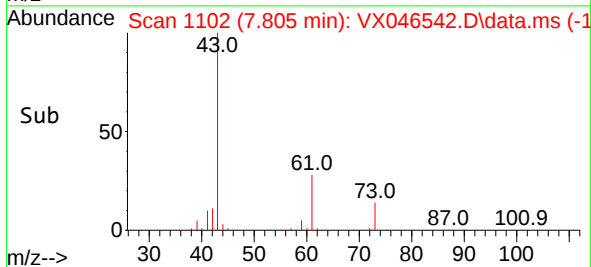
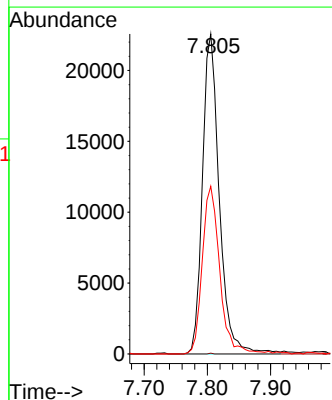
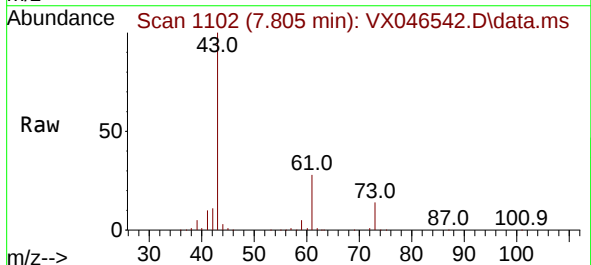
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

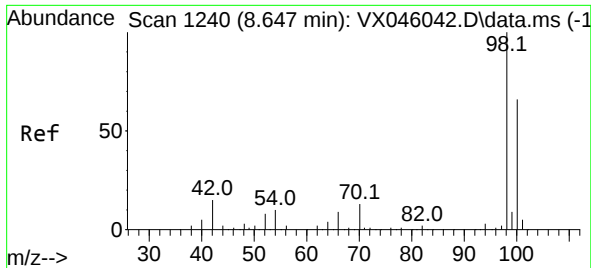
Tgt Ion: 43 Resp: 5454
Ion Ratio Lower Upper
43 100
61 16.8 14.3 21.5
87 5.5 9.5 14.3#



#48
Methyl methacrylate
Concen: 19.967 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 41 Resp: 41893
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 54.2 51.7 77.5

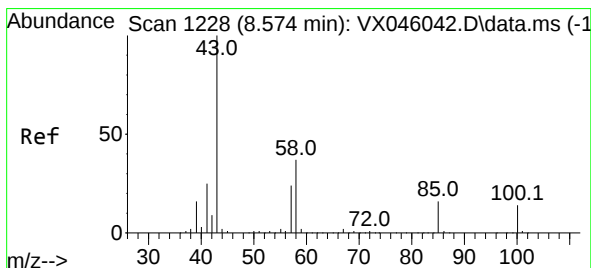
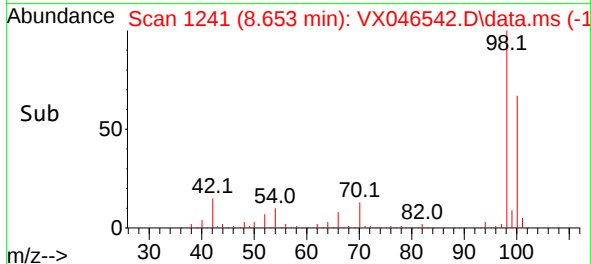
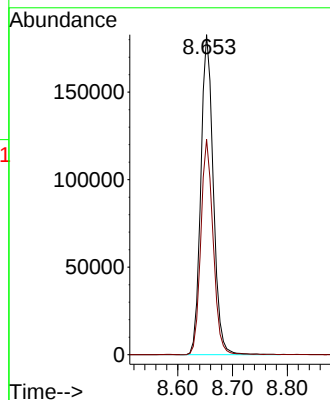
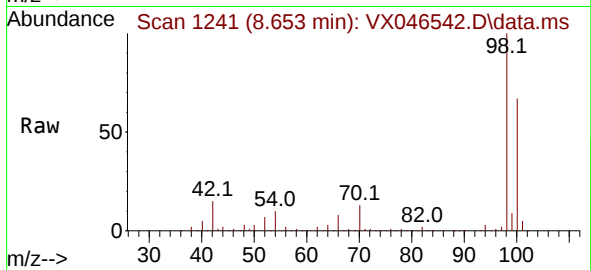




#50
Toluene-d8
Concen: 52.169 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

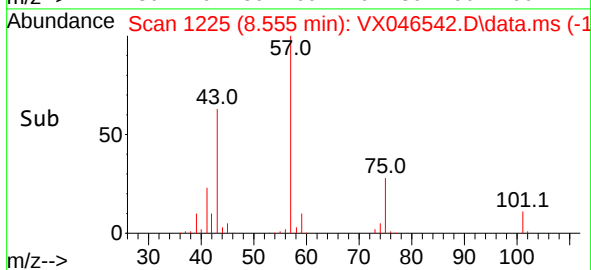
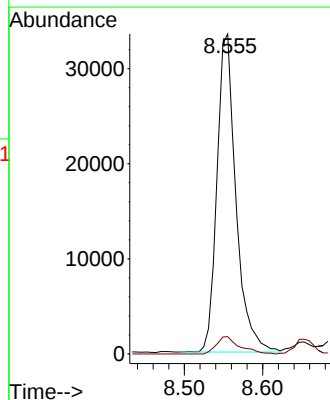
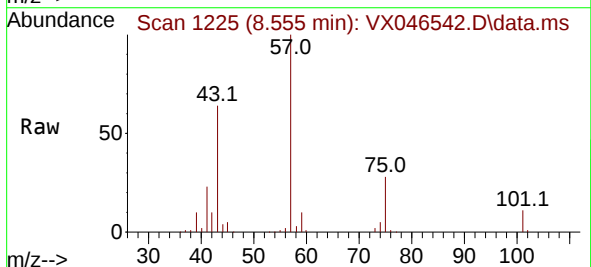
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

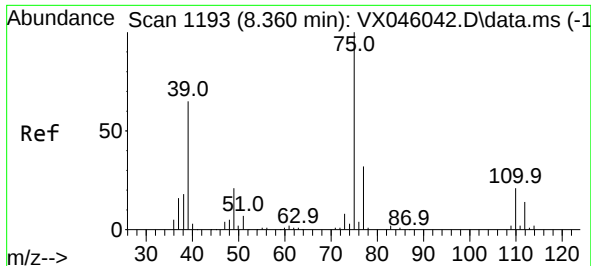
Tgt Ion: 98 Resp: 288584
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.796 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 43 Resp: 56482
Ion Ratio Lower Upper
43 100
58 6.6 28.9 43.3#

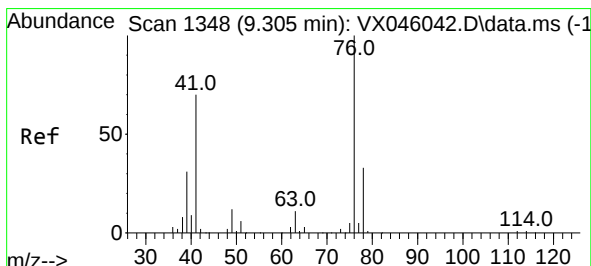
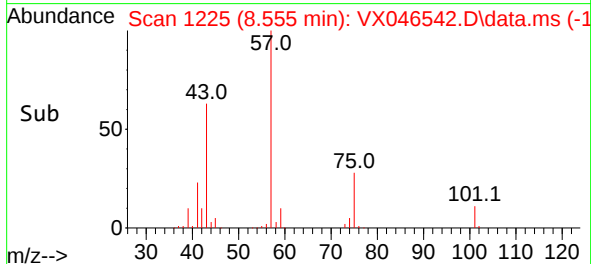
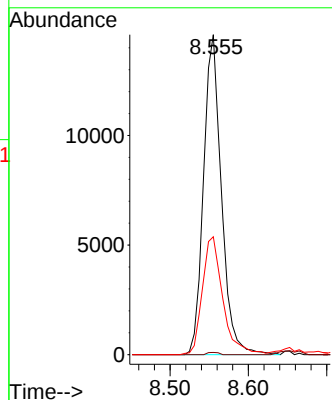
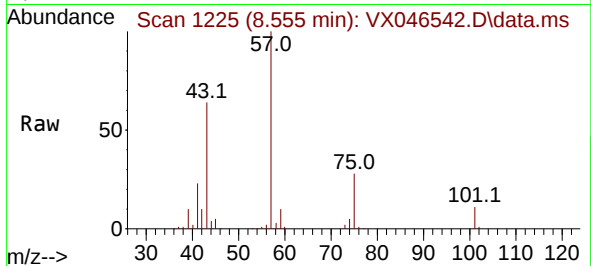




#54
 cis-1,3-Dichloropropene
 Concen: 8.611 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046542.D
 Acq: 06 Jun 2025 20:42

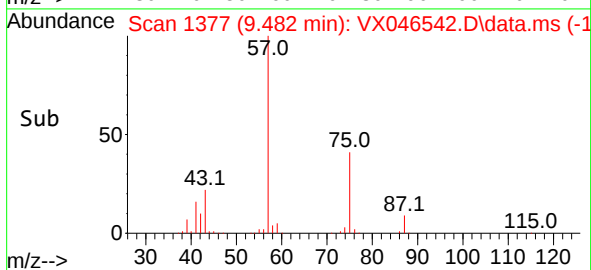
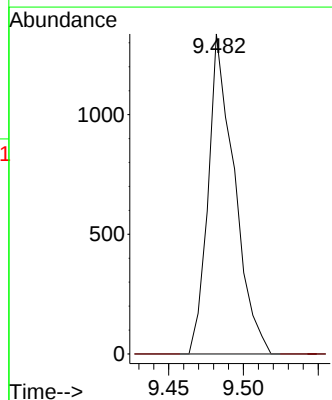
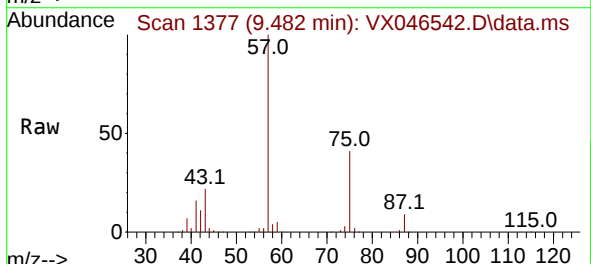
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-09

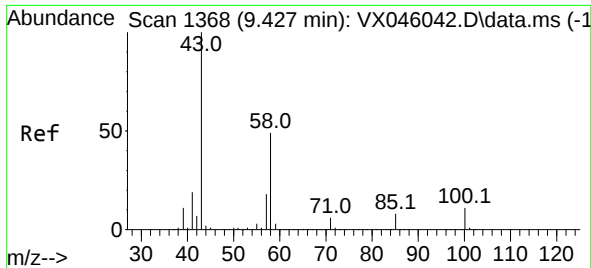
Tgt Ion: 75 Resp: 23124
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 36.9 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.553 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046542.D
 Acq: 06 Jun 2025 20:42

Tgt Ion: 76 Resp: 1625
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

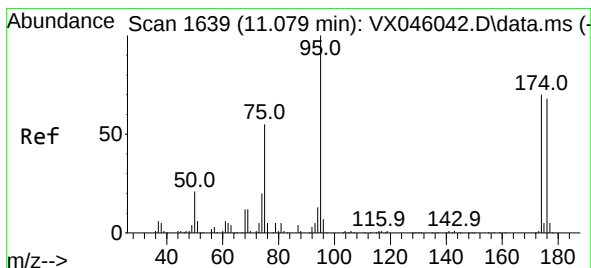
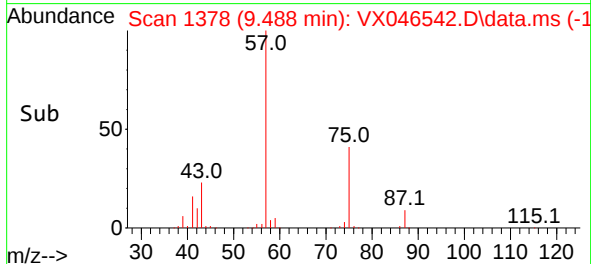
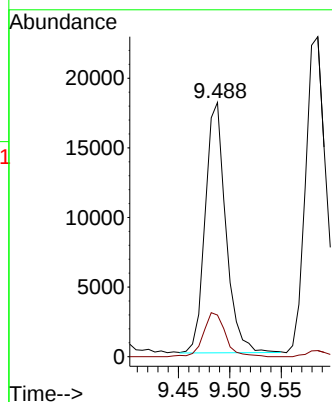
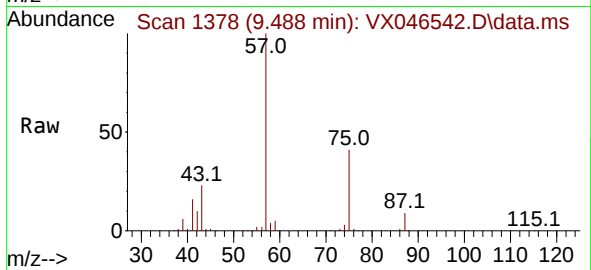




#59
2-Hexanone
Concen: 13.536 ug/l
RT: 9.488 min Scan# 1368
Delta R.T. 0.055 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

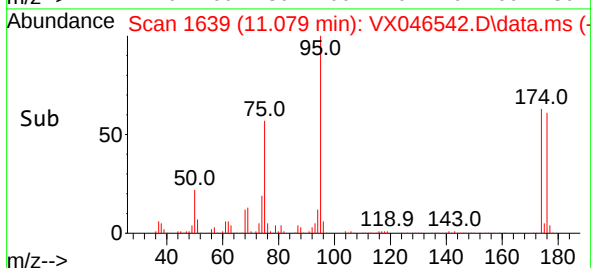
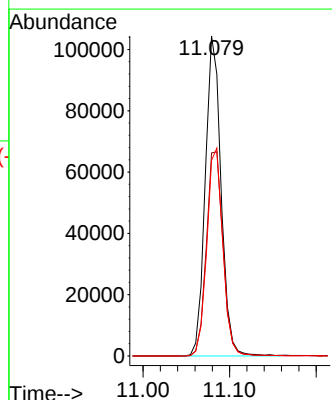
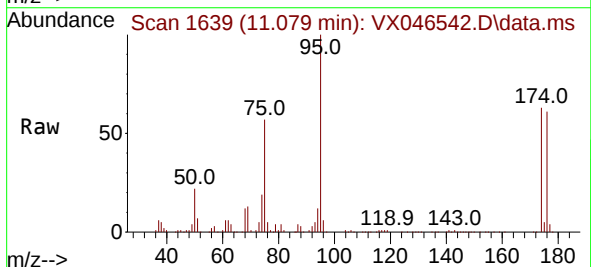
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

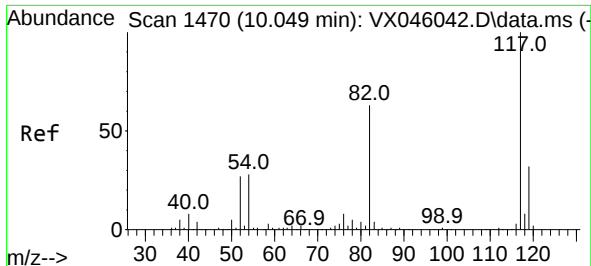
Tgt Ion: 43 Resp: 25156
Ion Ratio Lower Upper
43 100
58 18.8 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 57.802 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 95 Resp: 132292
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 65.8 0.0 131.4

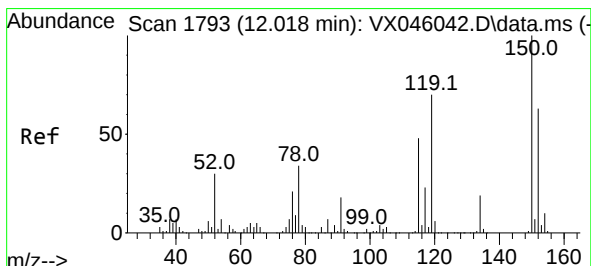
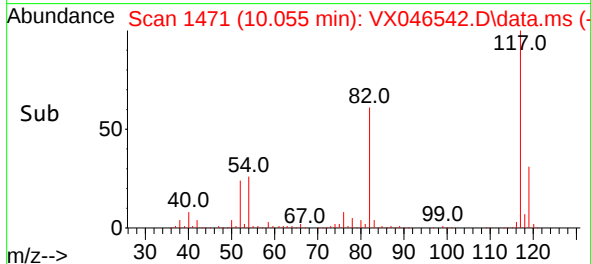
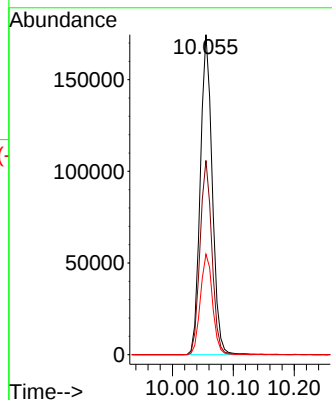
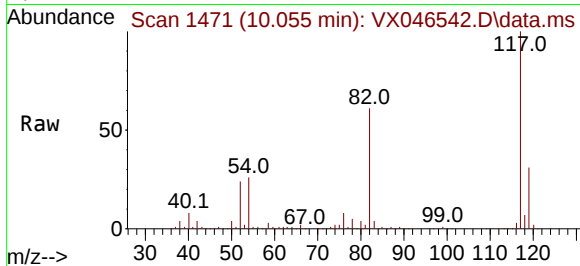




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

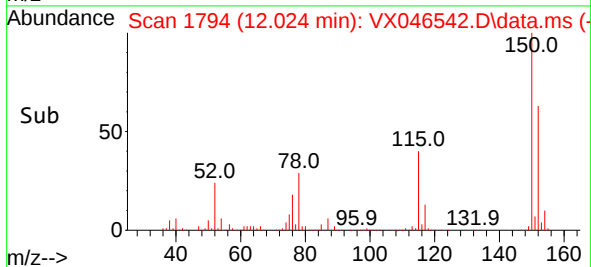
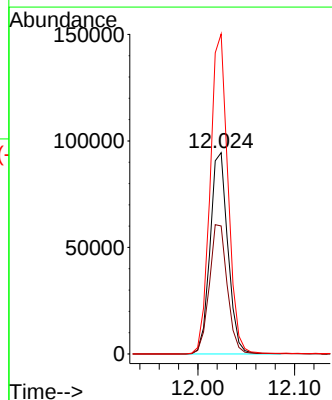
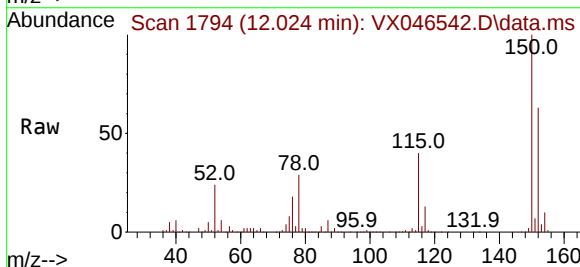
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

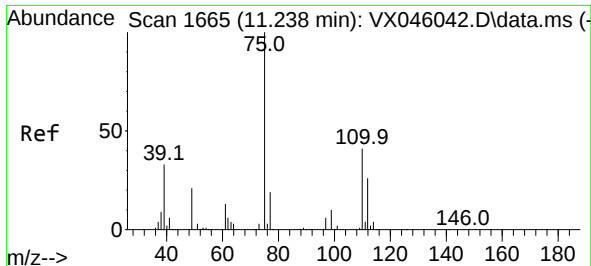
Tgt Ion:117 Resp: 238186
Ion Ratio Lower Upper
117 100
82 60.7 50.6 76.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion:152 Resp: 121178
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 159.0 0.0 351.0

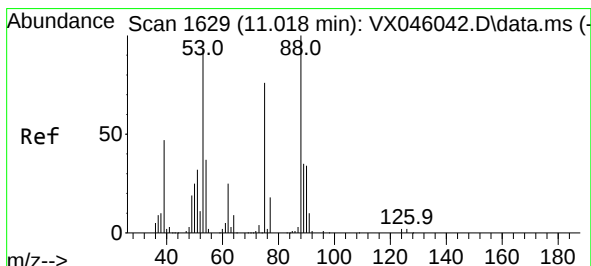
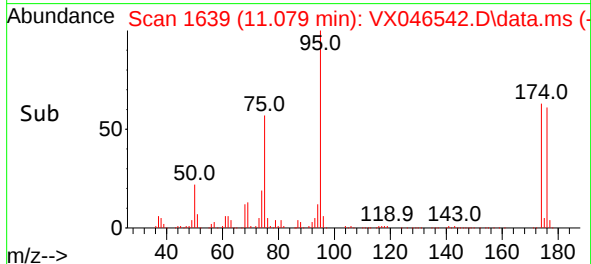
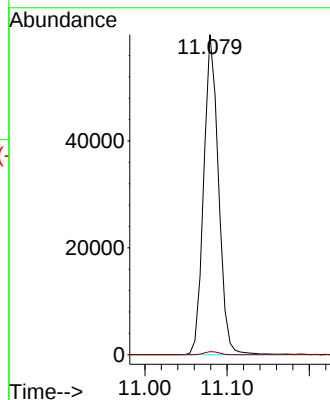
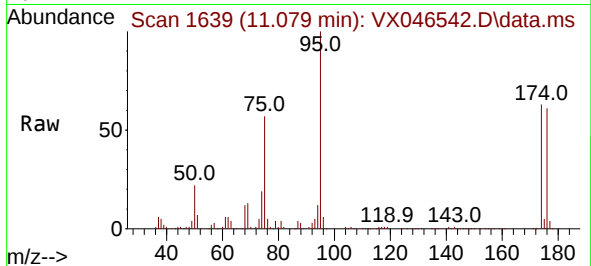




#76
1,2,3-Trichloropropane
Concen: 29.151 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-09

Tgt Ion: 75 Resp: 74821
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046542.D
Acq: 06 Jun 2025 20:42

Tgt Ion: 75 Resp: 74821
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

