

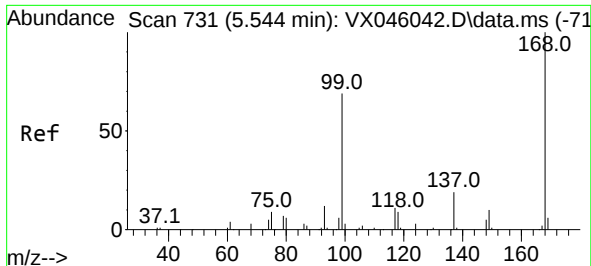
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046536.D
 Acq On : 06 Jun 2025 18:28
 Operator : JC/MD
 Sample : Q2207-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-03

Quant Time: Jun 06 23:24:49 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	117776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102998	49.155	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.320%
35) Dibromofluoromethane	5.403	113	76532	45.455	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.920%
50) Toluene-d8	8.653	98	290886	52.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.800%
62) 4-Bromofluorobenzene	11.079	95	133738	58.232	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.460%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	290	0.322	ug/l #	75
8) Diethyl Ether	2.154	74	30961	35.698	ug/l	90
10) Methyl Iodide	2.477	142	342	0.204	ug/l #	51
11) Tert butyl alcohol	2.983	59	76	0.327	ug/l #	72
13) Acrolein	2.258	56	20	30.068	ug/l #	52
16) Acetone	2.398	43	12490	19.495	ug/l	97
17) Carbon Disulfide	2.526	76	385	0.332	ug/l #	76
18) Methyl Acetate	2.727	43	13362	5.354	ug/l	99
20) Methylene Chloride	2.806	84	2664	1.585	ug/l	93
25) 2-Butanone	4.641	43	1922	1.648	ug/l	95
31) Cyclohexane	5.562	56	3094	1.270	ug/l #	18
36) 1,1-Dichloropropene	5.574	75	11185	4.651	ug/l #	47
37) Ethyl Acetate	4.751	43	6276	2.674	ug/l #	89
38) Carbon Tetrachloride	5.574	117	13568	5.037	ug/l #	17
43) Isopropyl Acetate	6.367	43	5840	1.427	ug/l #	85
48) Methyl methacrylate	7.805	41	51871	24.637	ug/l #	48
51) 4-Methyl-2-Pentanone	8.555	43	62082	23.874	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	25318	9.395	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1853	0.628	ug/l #	42
59) 2-Hexanone	9.488	43	29101	15.604	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	72810	28.418	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72810	81.976	ug/l #	1

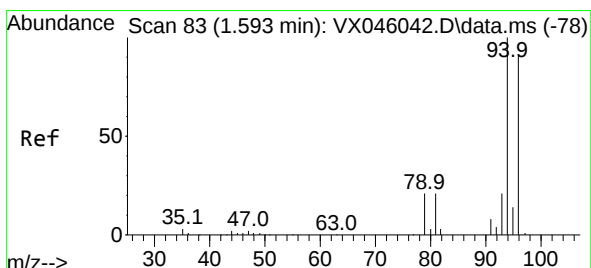
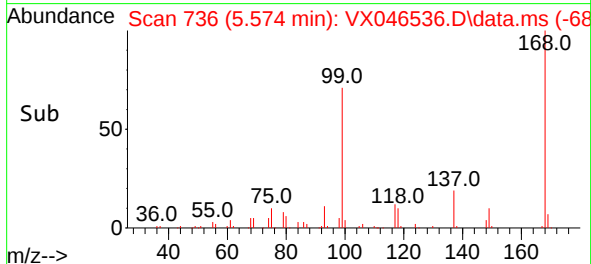
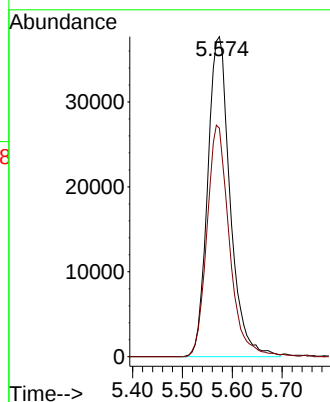
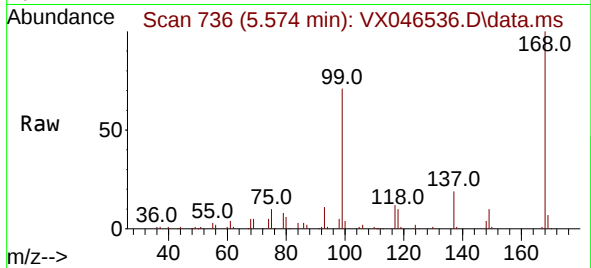
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

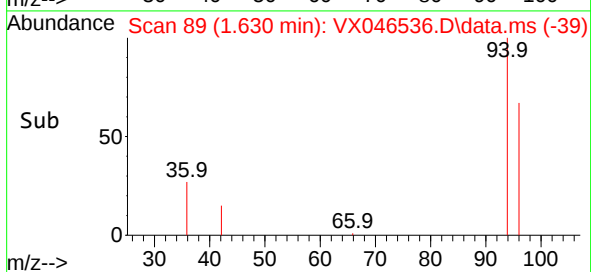
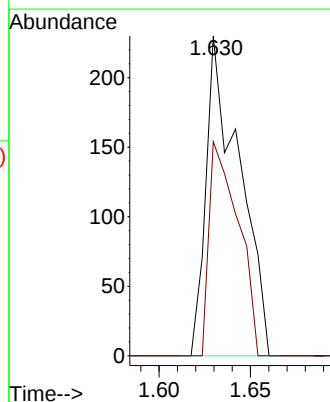
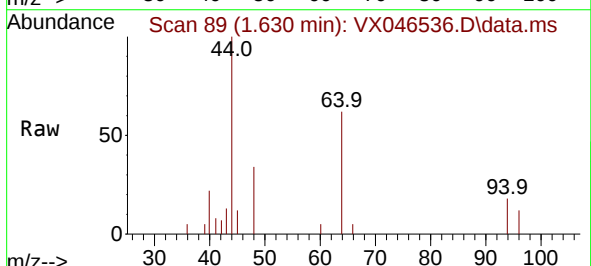
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

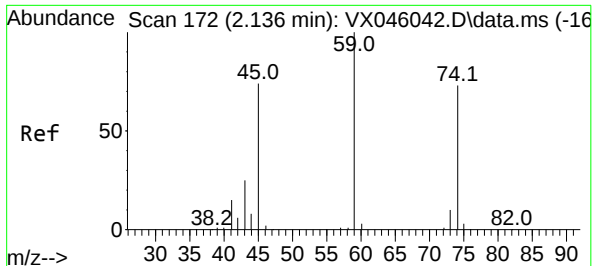
Tgt Ion:168 Resp: 117776
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#5
Bromomethane
Concen: 0.322 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 67.0 72.8 109.2#

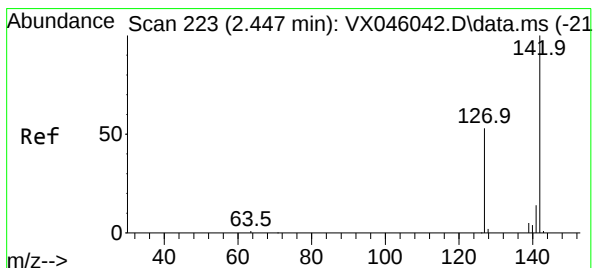
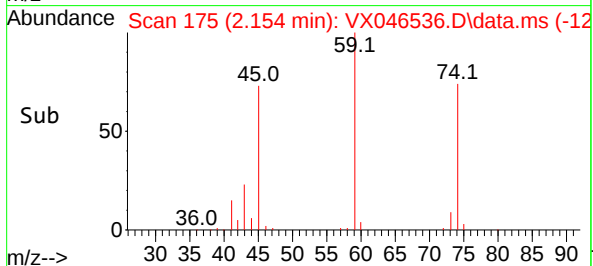
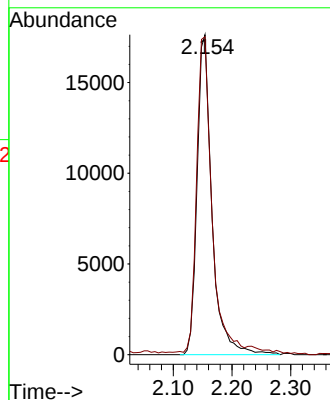
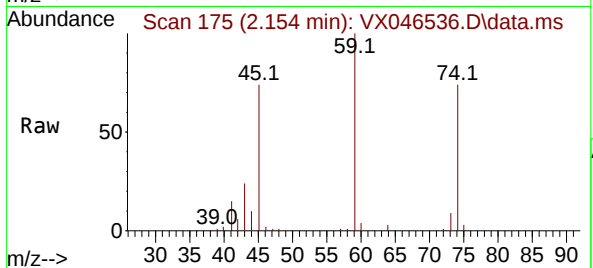




#8
Diethyl Ether
Concen: 35.698 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

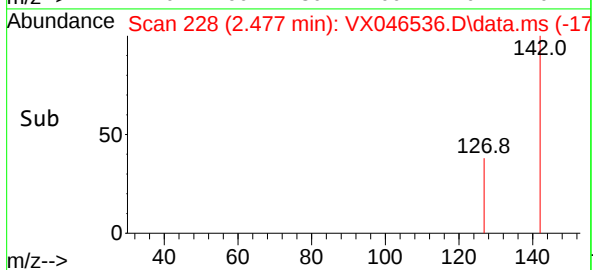
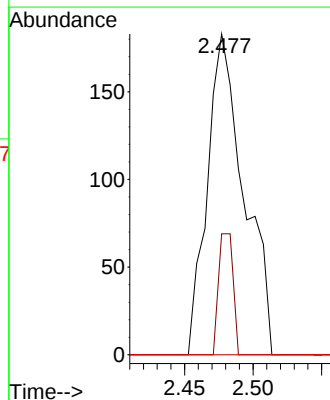
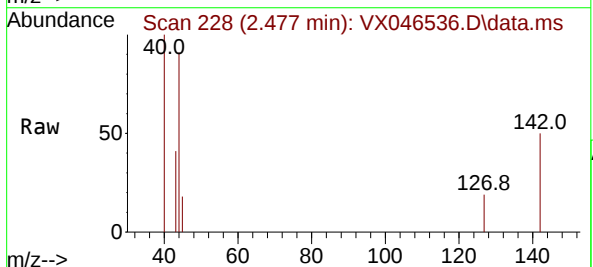
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

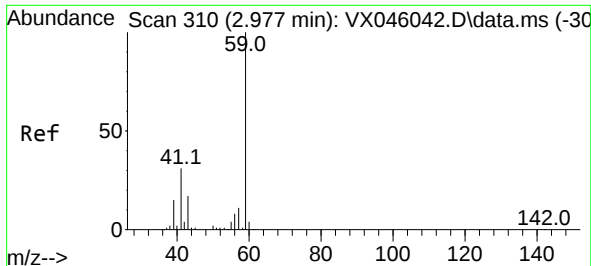
Tgt Ion: 74 Resp: 30961
Ion Ratio Lower Upper
74 100
45 99.3 54.9 164.8



#10
Methyl Iodide
Concen: 0.204 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 142 Resp: 342
Ion Ratio Lower Upper
142 100
127 14.6 41.7 62.5#
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.327 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX046536.D

Acq: 06 Jun 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

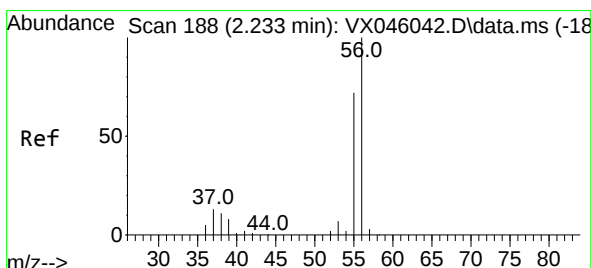
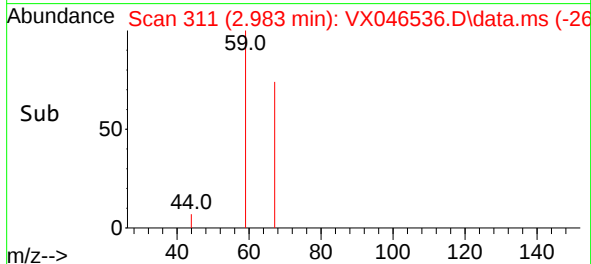
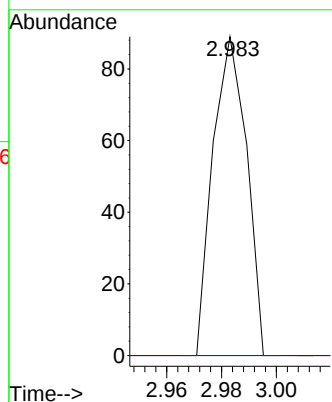
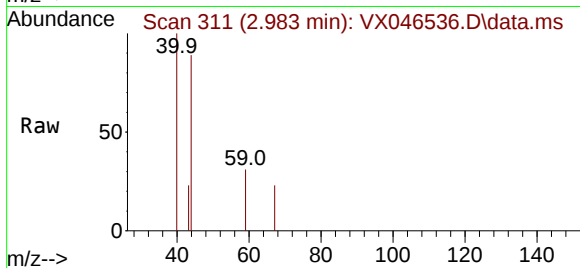
BU-703-COMP-03

Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 30.068 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.007 min

Lab File: VX046536.D

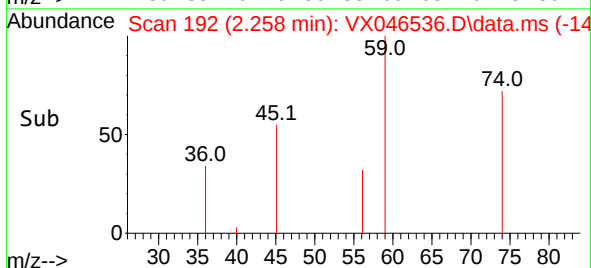
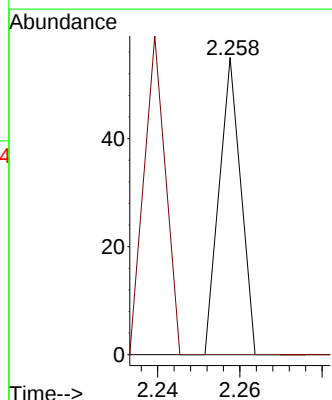
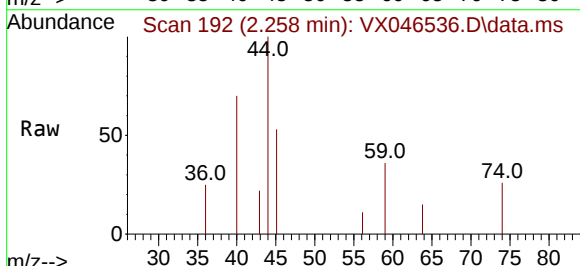
Acq: 06 Jun 2025 18:28

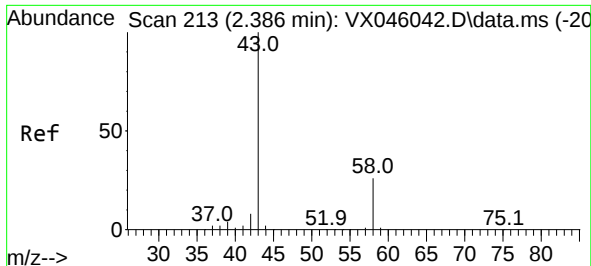
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 110.0 56.2 84.4#

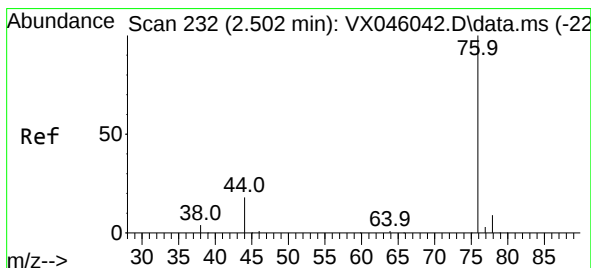
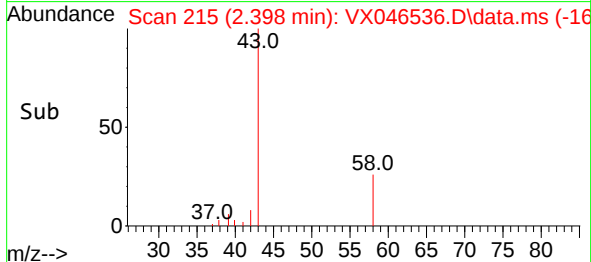
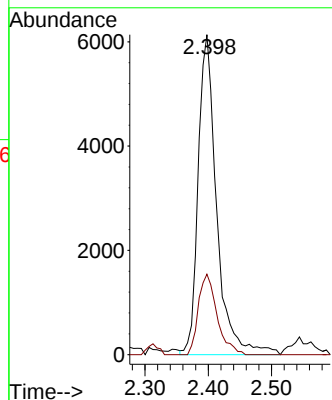
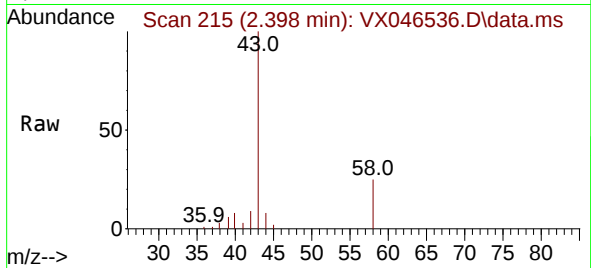




#16
Acetone
Concen: 19.495 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

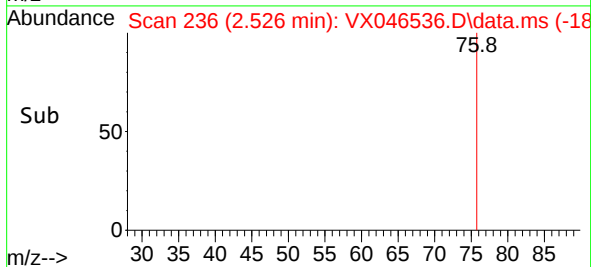
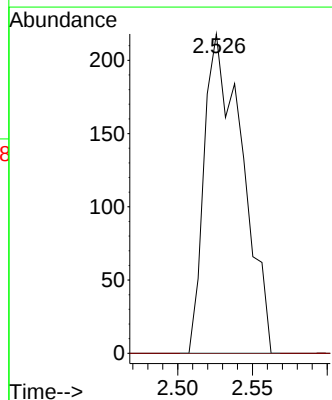
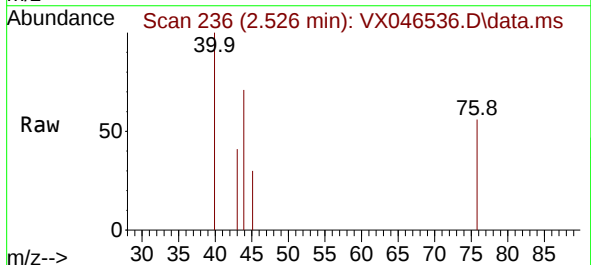
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

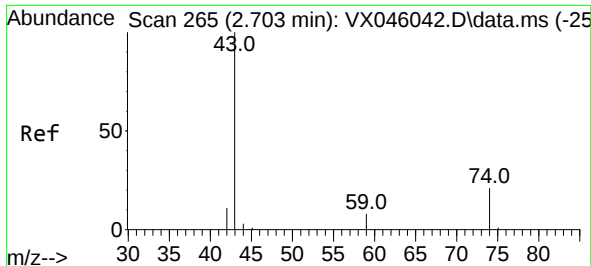
Tgt Ion: 43 Resp: 12490
Ion Ratio Lower Upper
43 100
58 25.1 21.2 31.8



#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 76 Resp: 385
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#18

Methyl Acetate

Concen: 5.354 ug/l

RT: 2.727 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046536.D

Acq: 06 Jun 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

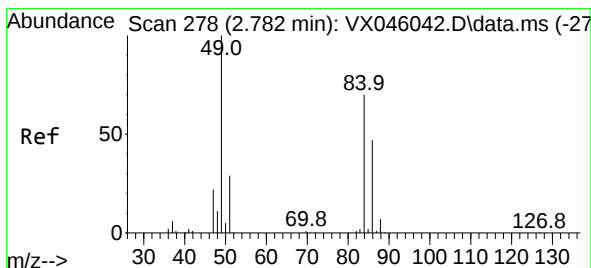
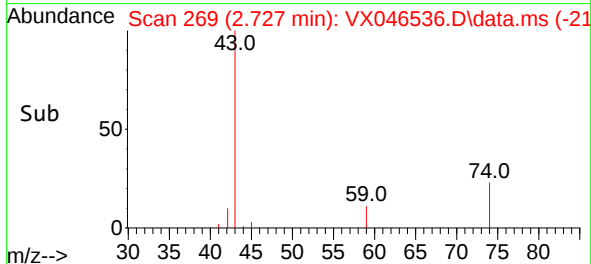
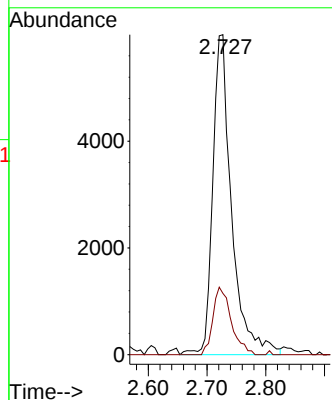
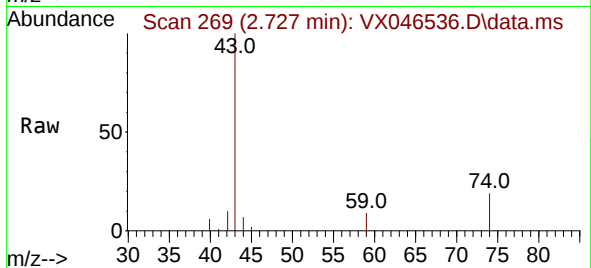
BU-703-COMP-03

Tgt Ion: 43 Resp: 13362

Ion Ratio Lower Upper

43 100

74 20.5 16.7 25.1



#20

Methylene Chloride

Concen: 1.585 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046536.D

Acq: 06 Jun 2025 18:28

Tgt Ion: 84 Resp: 2664

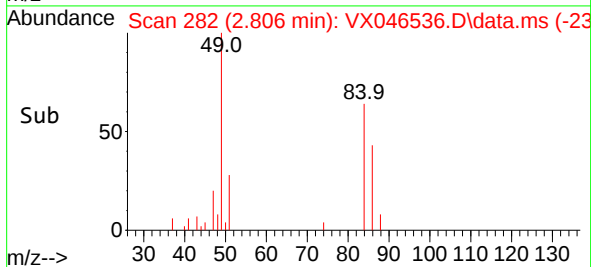
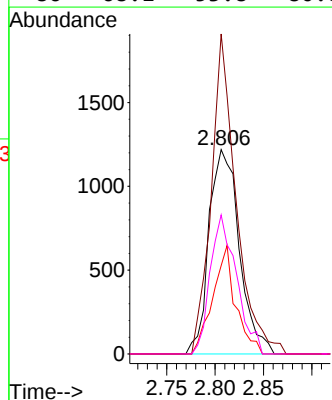
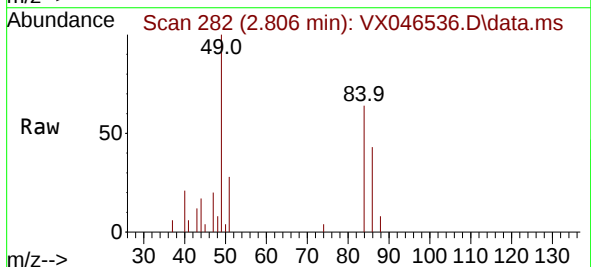
Ion Ratio Lower Upper

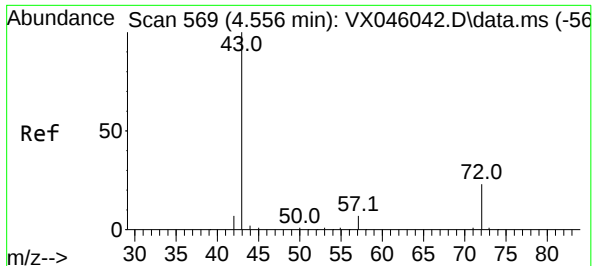
84 100

49 156.6 113.9 170.9

51 43.2 33.5 50.3

86 68.1 53.8 80.8

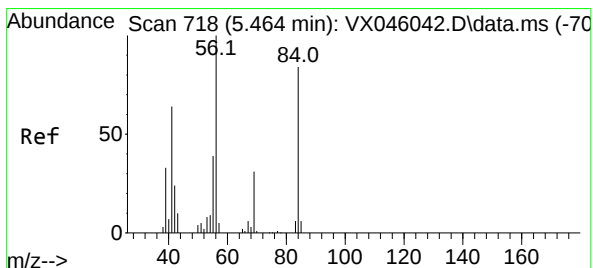
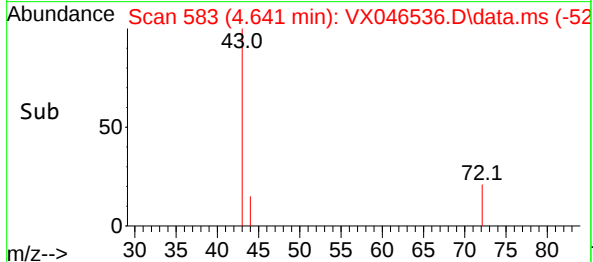
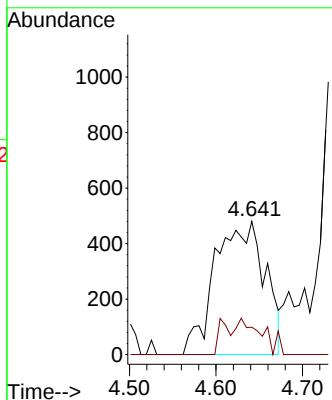
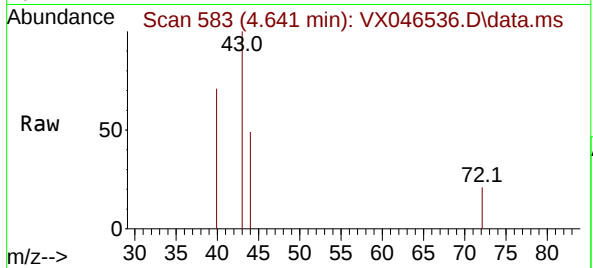




#25
2-Butanone
Concen: 1.648 ug/l
RT: 4.641 min Scan# 51
Delta R.T. 0.067 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

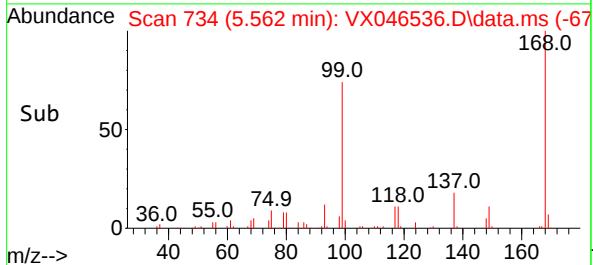
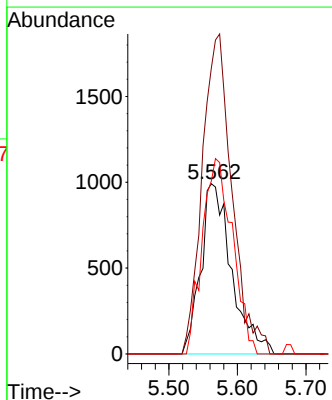
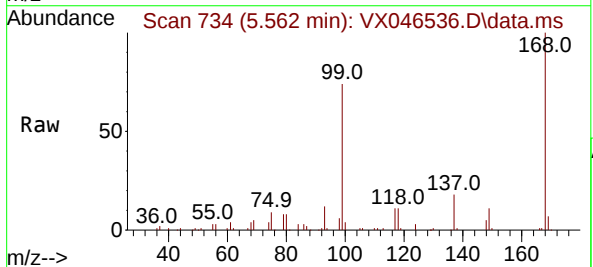
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

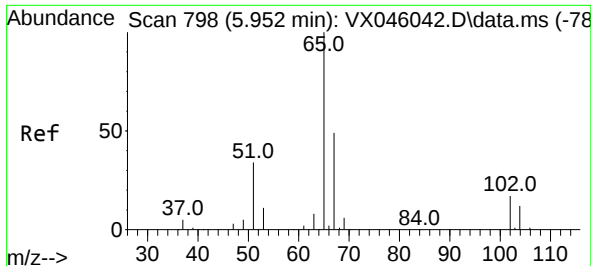
Tgt Ion: 43 Resp: 1922
Ion Ratio Lower Upper
43 100
72 20.6 18.4 27.6



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 56 Resp: 3094
Ion Ratio Lower Upper
56 100
69 167.8 24.4 36.6#
84 101.5 66.9 100.3#

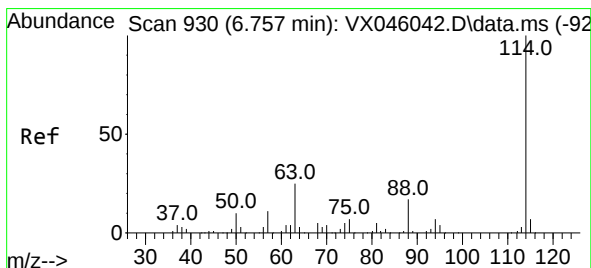
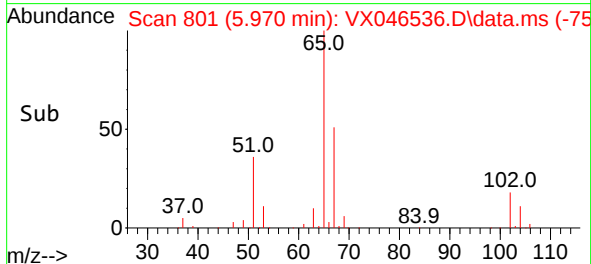
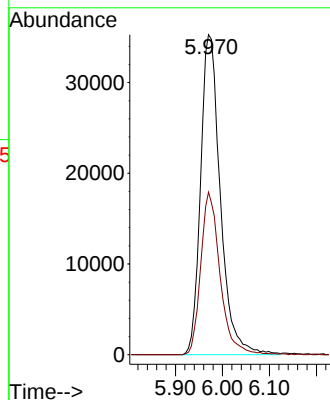
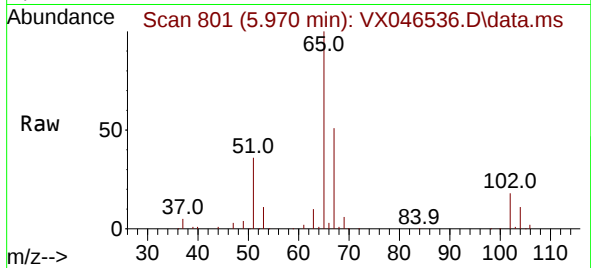




#33
 1,2-Dichloroethane-d4
 Concen: 49.155 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046536.D
 Acq: 06 Jun 2025 18:28

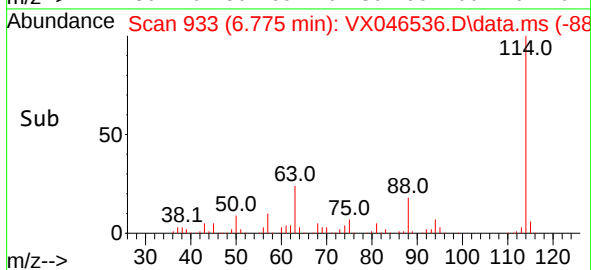
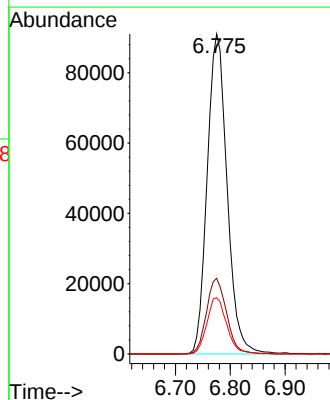
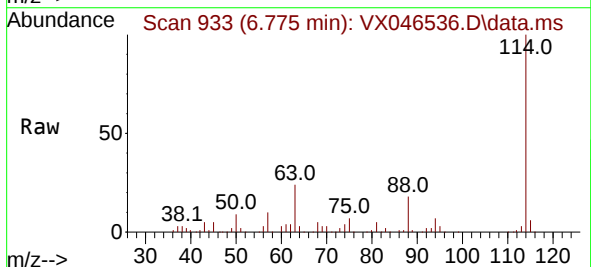
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-03

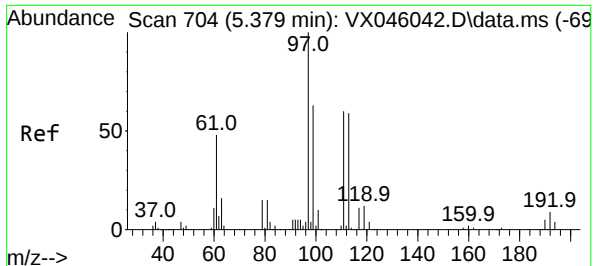
Tgt Ion: 65 Resp: 102998
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046536.D
 Acq: 06 Jun 2025 18:28

Tgt Ion: 114 Resp: 228949
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 17.5 0.0 33.6

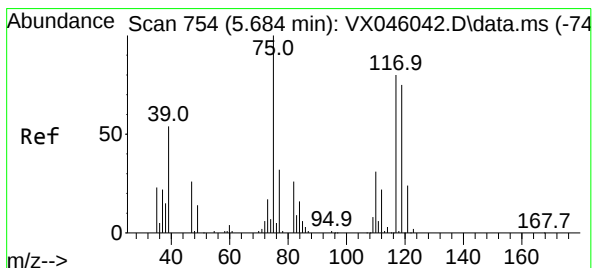
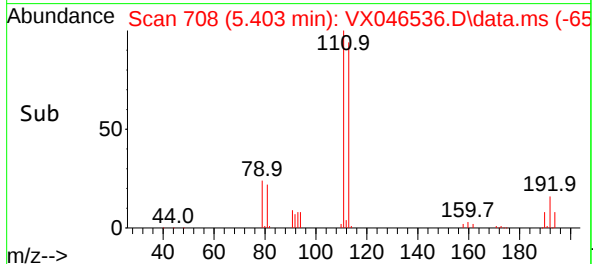
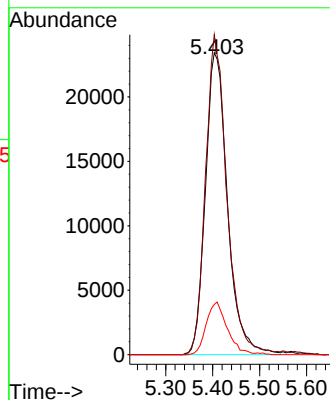
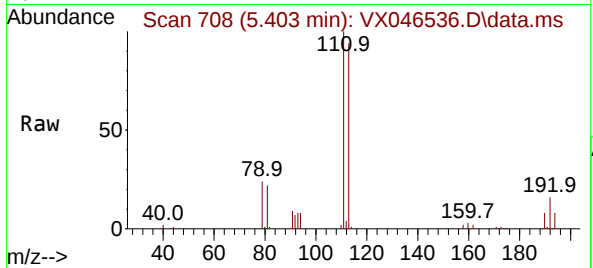




#35
Dibromofluoromethane
Concen: 45.455 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

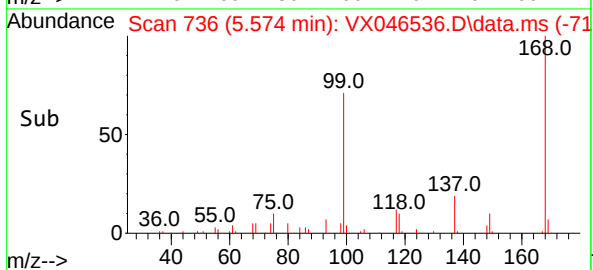
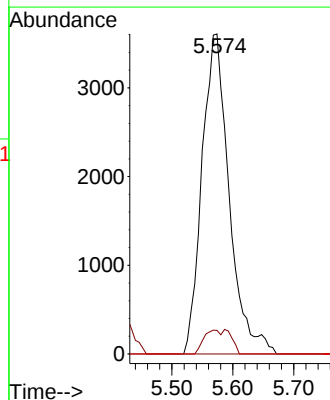
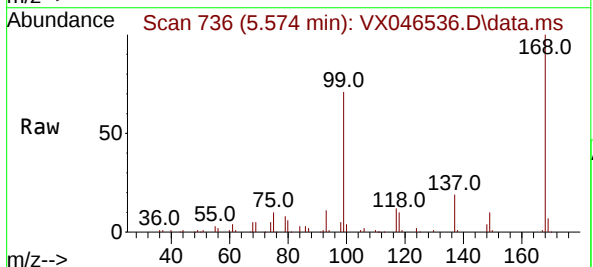
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

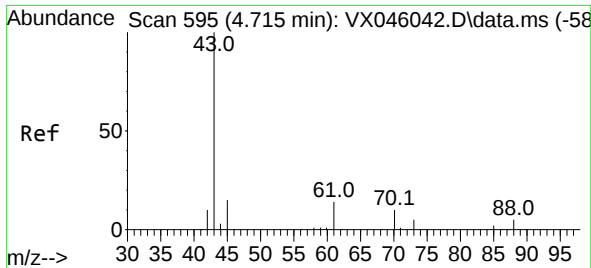
Tgt Ion:113 Resp: 76532
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.140 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 75 Resp: 11185
Ion Ratio Lower Upper
75 100
110 4.7 16.3 48.9#
77 0.0 24.3 36.5#

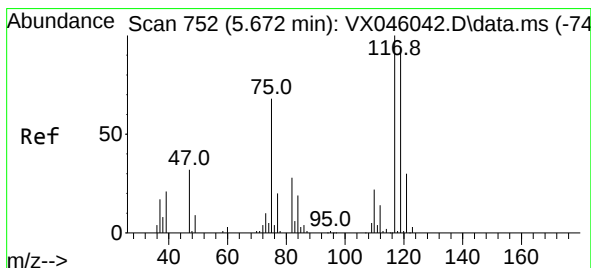
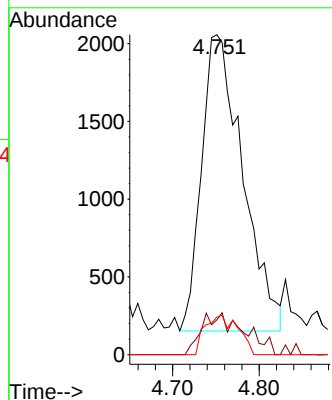
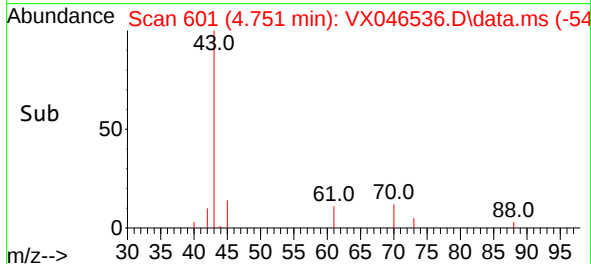
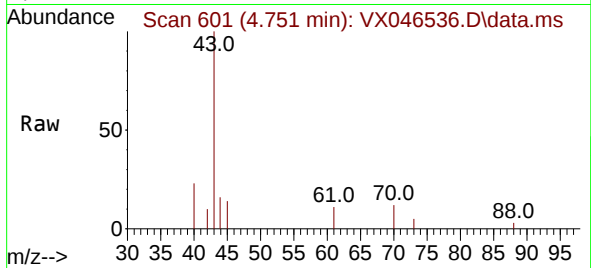




#37
Ethyl Acetate
Concen: 2.674 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

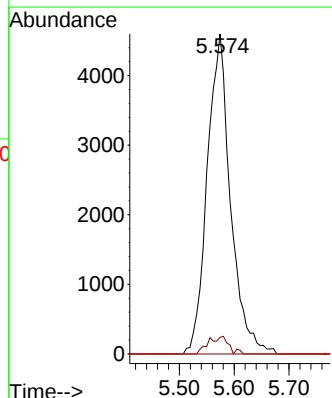
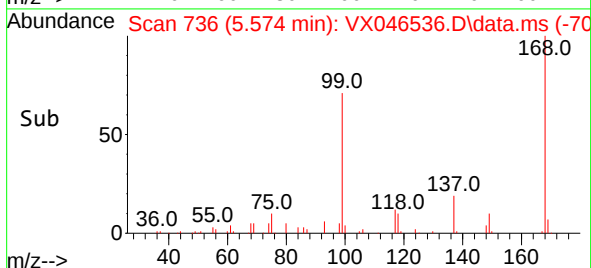
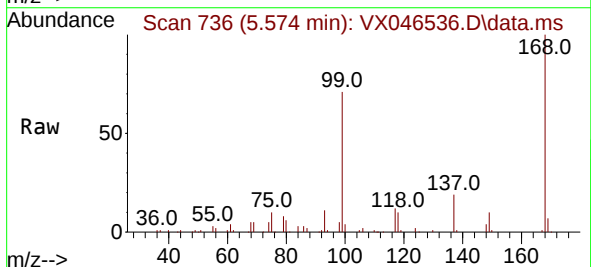
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

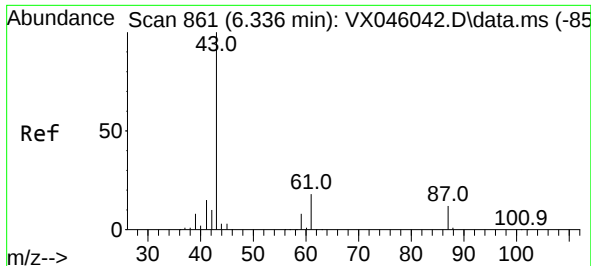
Tgt Ion: 43 Resp: 6276
Ion Ratio Lower Upper
43 100
61 5.8 10.3 15.5#
70 10.7 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 117 Resp: 13568
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.2 36.4#

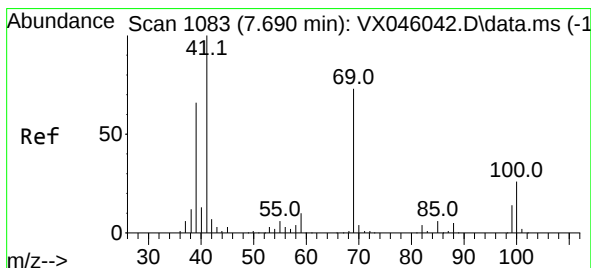
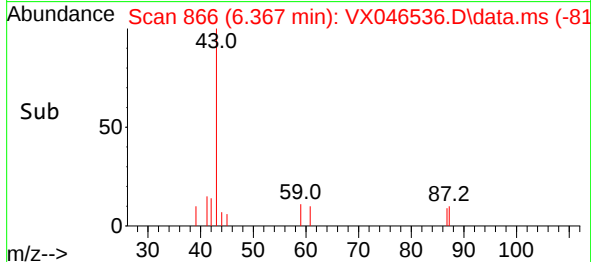
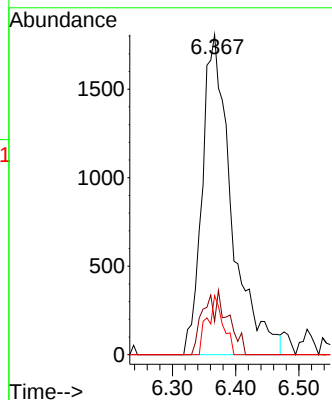
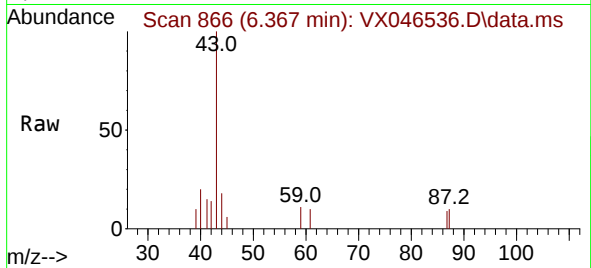




#43
Isopropyl Acetate
Concen: 1.427 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

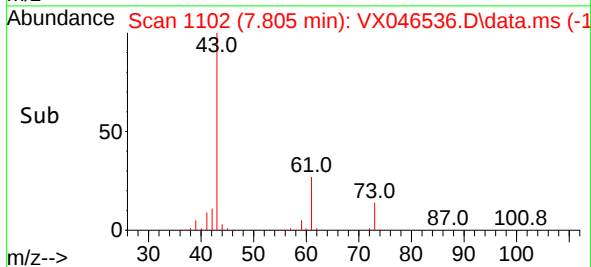
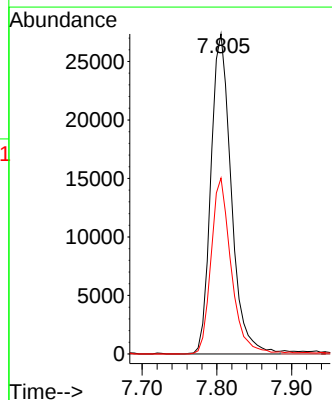
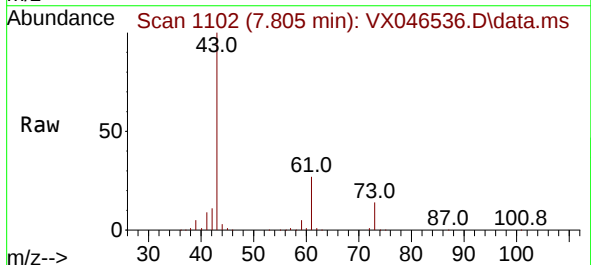
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

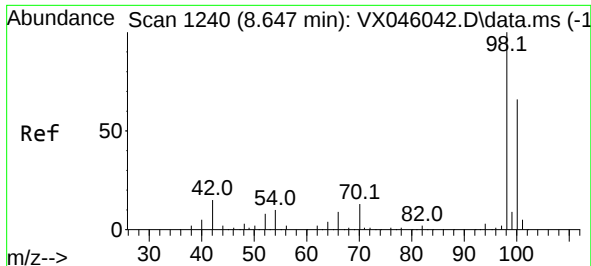
Tgt Ion: 43 Resp: 5840
Ion Ratio Lower Upper
43 100
61 8.3 14.3 21.5#
87 10.0 9.5 14.3



#48
Methyl methacrylate
Concen: 24.637 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 41 Resp: 51871
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.7 51.7 77.5

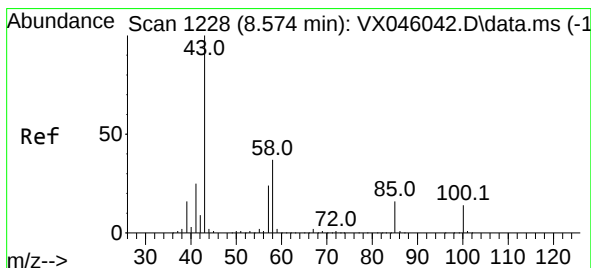
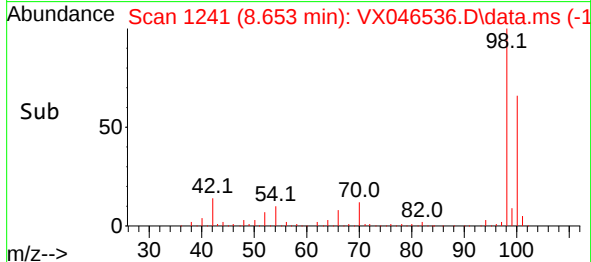
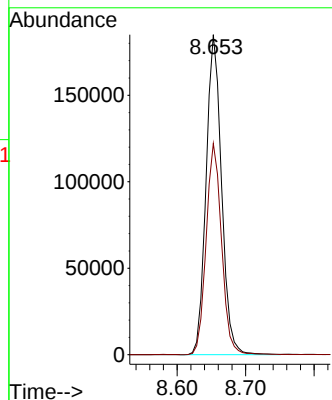
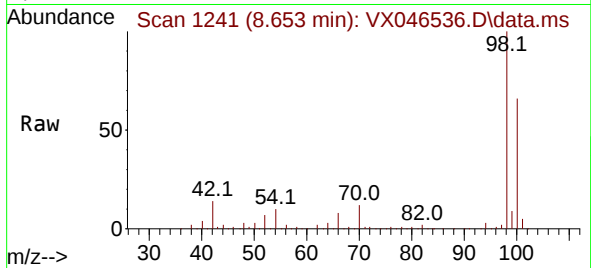




#50
Toluene-d8
Concen: 52.403 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

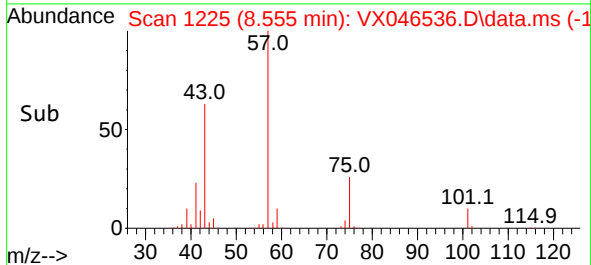
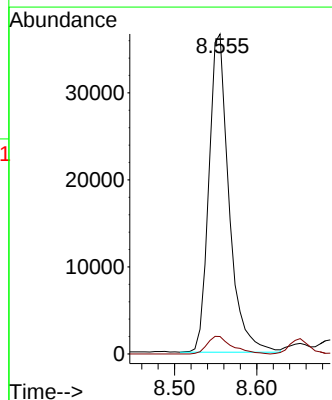
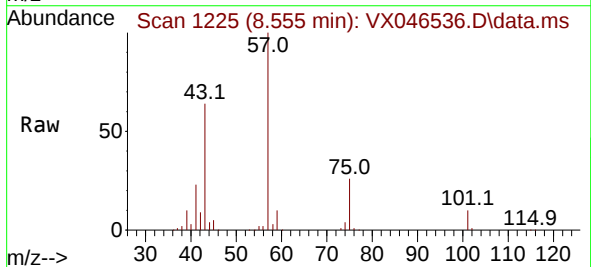
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

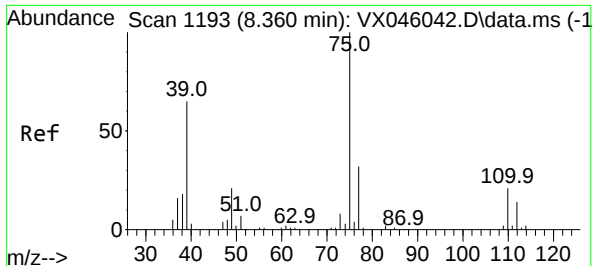
Tgt Ion: 98 Resp: 290886
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.874 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 43 Resp: 62082
Ion Ratio Lower Upper
43 100
58 6.8 28.9 43.3#

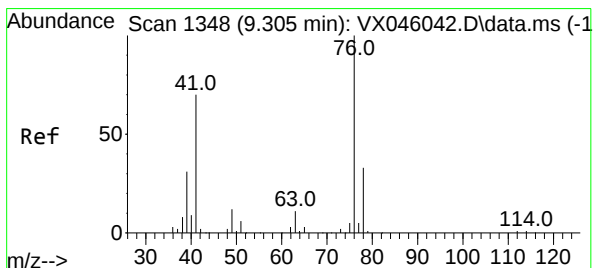
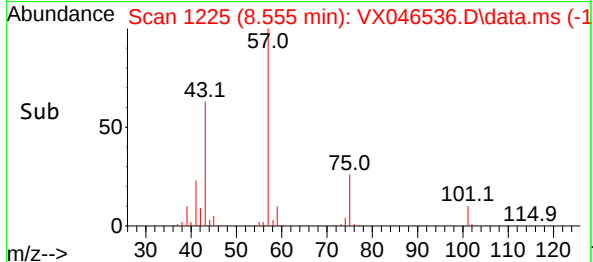
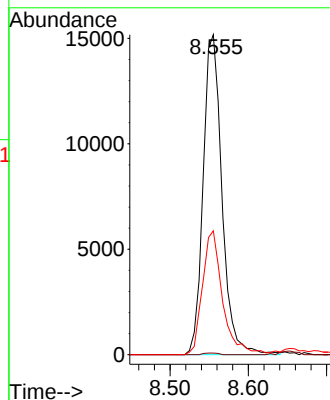
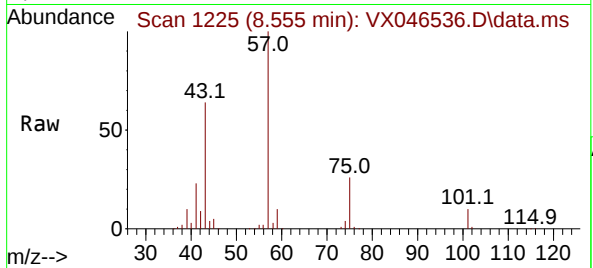




#54
 cis-1,3-Dichloropropene
 Concen: 9.395 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046536.D
 Acq: 06 Jun 2025 18:28

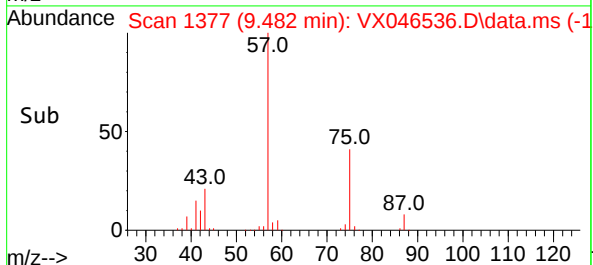
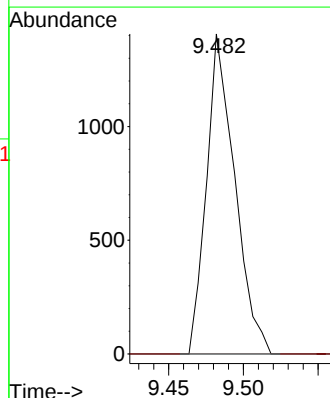
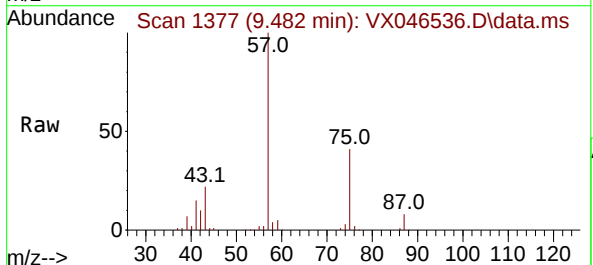
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-03

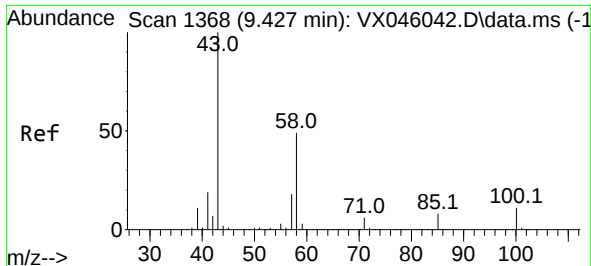
Tgt Ion: 75 Resp: 25318
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 38.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.628 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046536.D
 Acq: 06 Jun 2025 18:28

Tgt Ion: 76 Resp: 1853
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

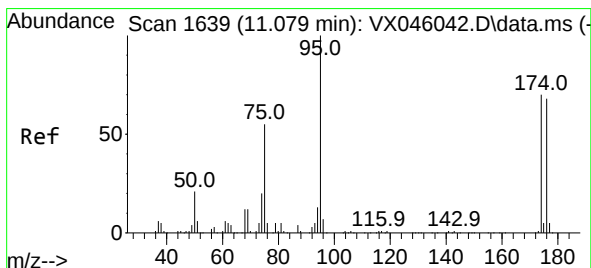
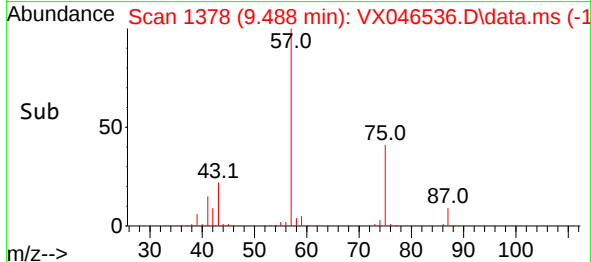
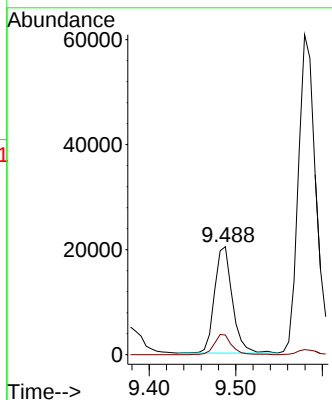
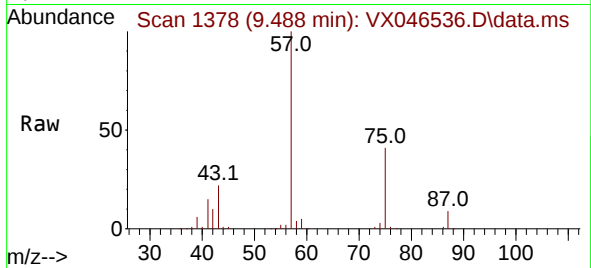




#59
2-Hexanone
Concen: 15.604 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

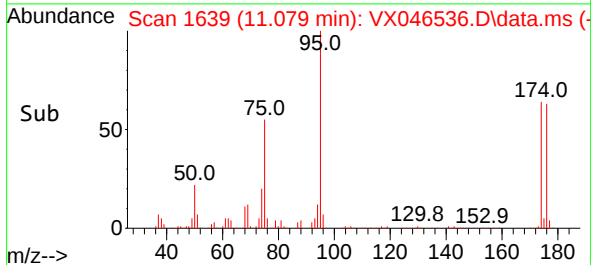
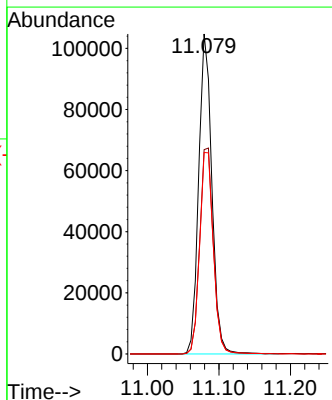
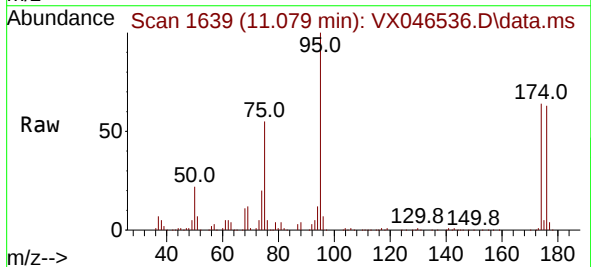
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

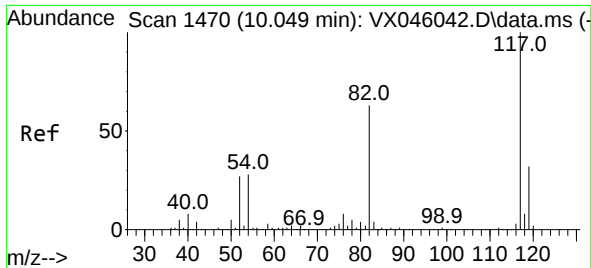
Tgt Ion: 43 Resp: 29101
Ion Ratio Lower Upper
43 100
58 18.7 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 58.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 95 Resp: 133738
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 65.7 0.0 131.4

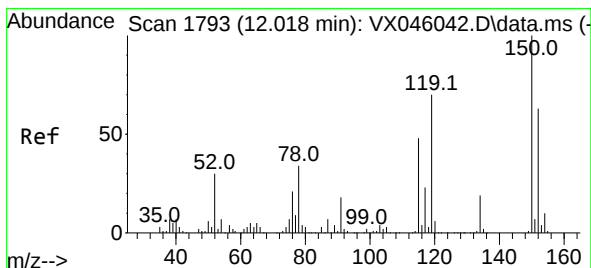
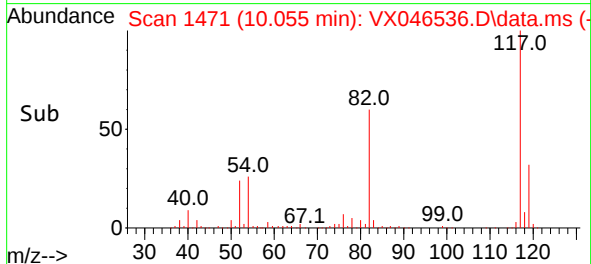
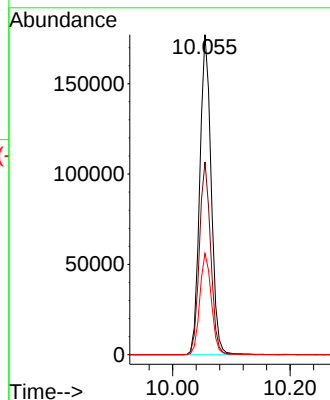
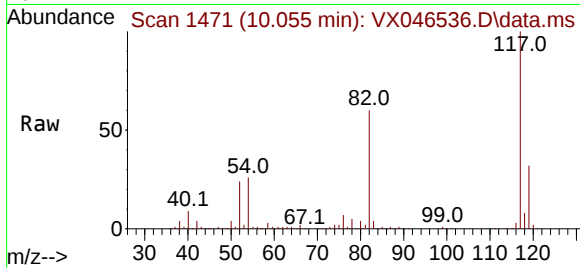




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

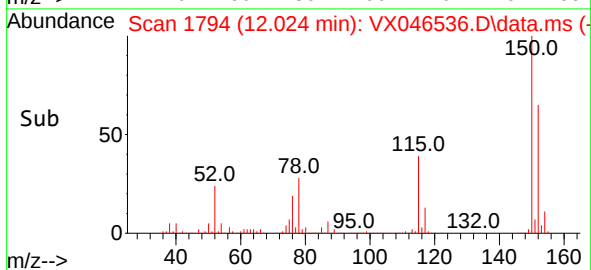
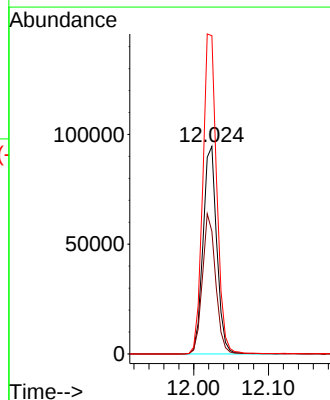
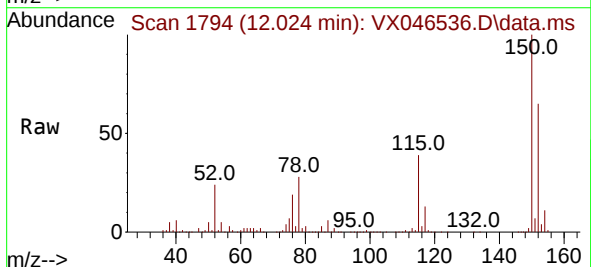
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

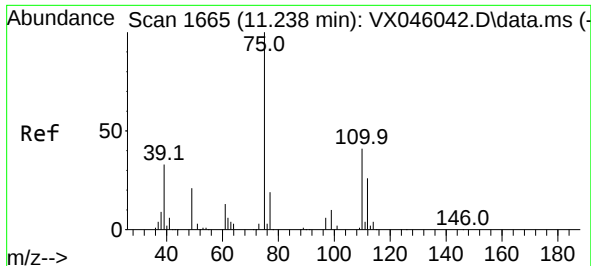
Tgt Ion:117 Resp: 238298
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion:152 Resp: 120960
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 156.4 0.0 351.0

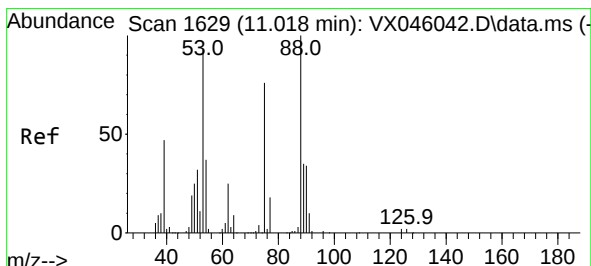
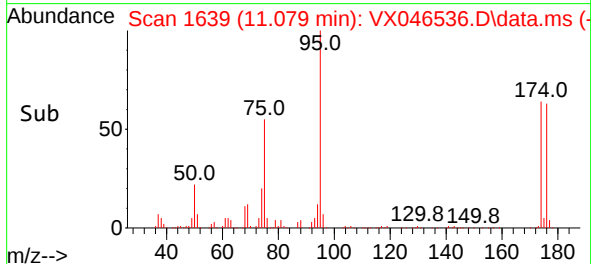
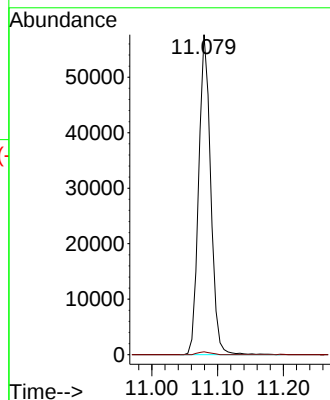
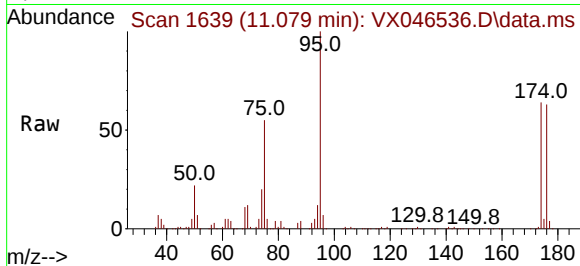




#76
1,2,3-Trichloropropane
Concen: 28.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-03

Tgt Ion: 75 Resp: 72810
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.976 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046536.D
Acq: 06 Jun 2025 18:28

Tgt Ion: 75 Resp: 72810
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

