

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046538.D
 Acq On : 06 Jun 2025 19:13
 Operator : JC/MD
 Sample : Q2207-45
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-05

Quant Time: Jun 06 23:25:47 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)

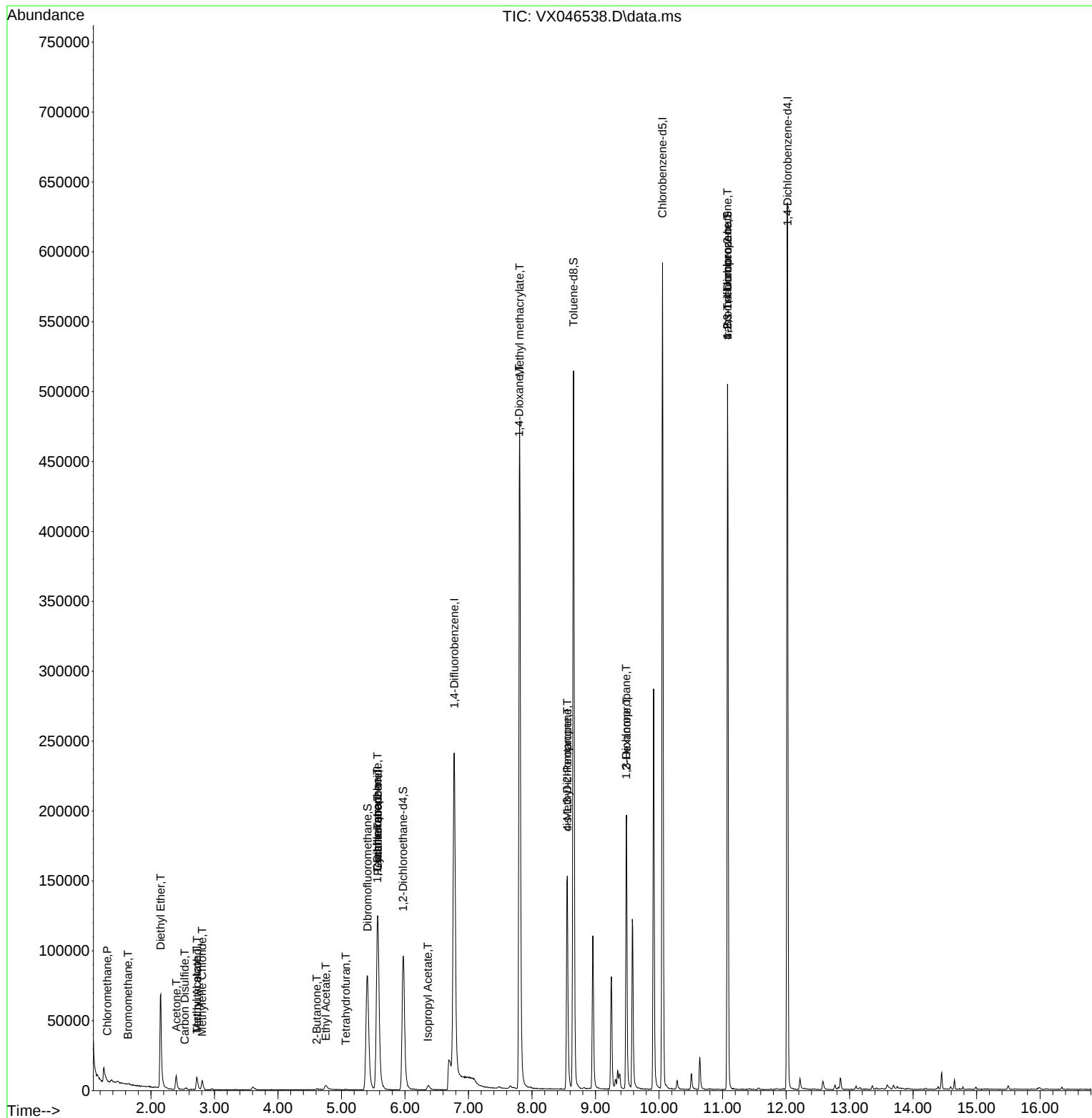
Internal Standards						
1) Pentafluorobenzene	5.574	168	116617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	105628	50.912	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.820%	
35) Dibromofluoromethane	5.409	113	77497	46.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.380%	
50) Toluene-d8	8.653	98	291961	52.777	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.560%	
62) 4-Bromofluorobenzene	11.079	95	132011	57.676	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.360%	
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	357	0.242	ug/l	99
5) Bromomethane	1.636	94	356	0.399	ug/l	91
8) Diethyl Ether	2.154	74	26584	30.956	ug/l	92
11) Tert butyl alcohol	2.727	59	1062	4.613	ug/l #	72
16) Acetone	2.398	43	12743	19.948	ug/l	91
17) Carbon Disulfide	2.532	76	263	0.292	ug/l #	76
18) Methyl Acetate	2.721	43	12862	5.205	ug/l	97
20) Methylene Chloride	2.806	84	2882	1.731	ug/l	93
25) 2-Butanone	4.611	43	700	0.606	ug/l	95
29) Tetrahydrofuran	5.068	42	279	0.383	ug/l #	35
31) Cyclohexane	5.568	56	3245	1.345	ug/l #	7
36) 1,1-Dichloropropene	5.562	75	11182	4.665	ug/l #	51
37) Ethyl Acetate	4.751	43	6654	2.844	ug/l	96
38) Carbon Tetrachloride	5.568	117	13818	5.147	ug/l #	17
43) Isopropyl Acetate	6.361	43	5338	1.309	ug/l #	97
48) Methyl methacrylate	7.805	41	46963	22.382	ug/l #	48
49) 1,4-Dioxane	7.799	88	28	0.998	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	59764	23.061	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	24144	8.990	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1806	0.614	ug/l #	42
59) 2-Hexanone	9.488	43	26713	14.373	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	73547	28.555	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	73547	82.370	ug/l #	1

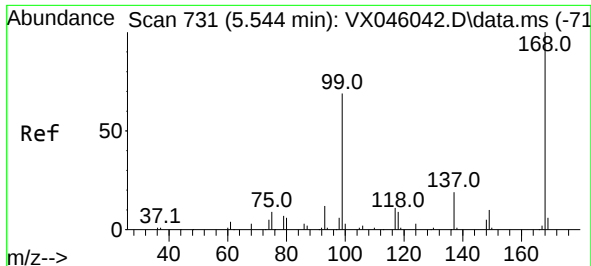
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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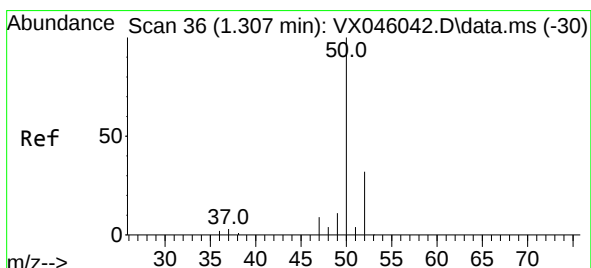
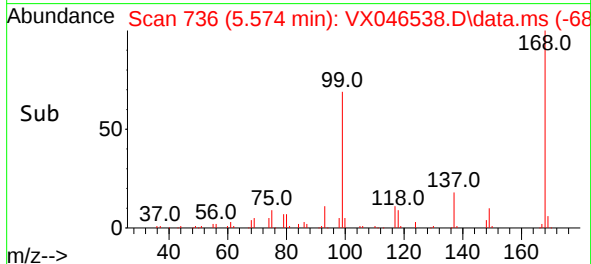
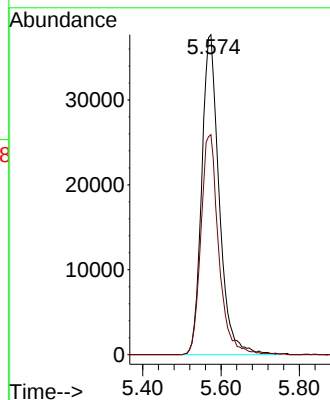
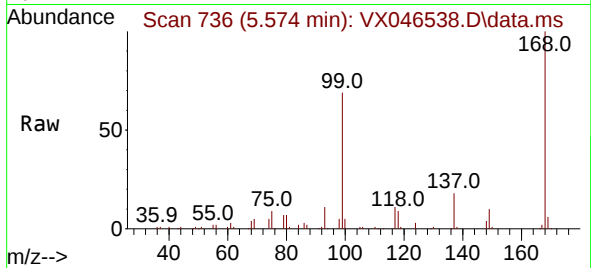




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

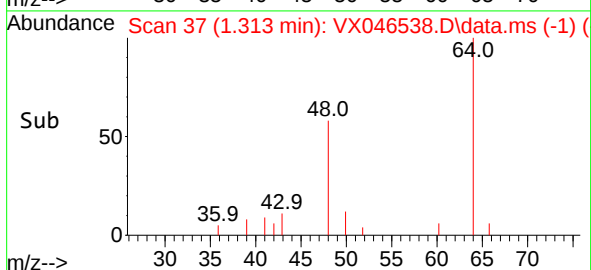
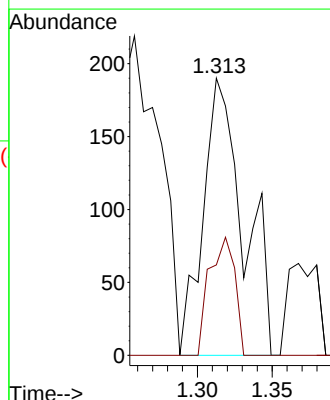
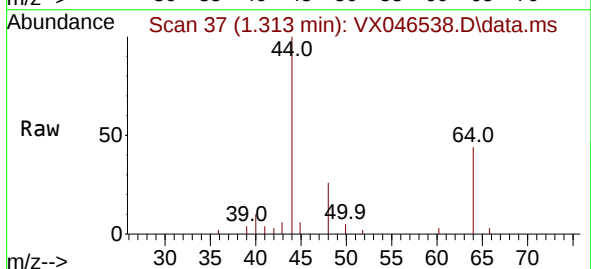
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

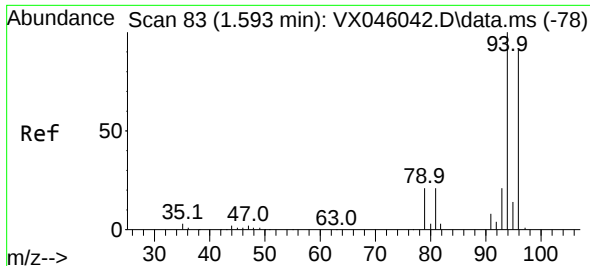
Tgt Ion:168 Resp: 116617
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 32.6 25.4 38.2

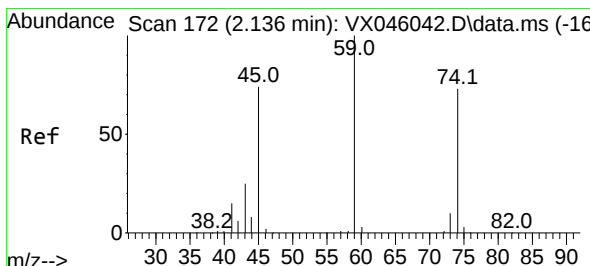
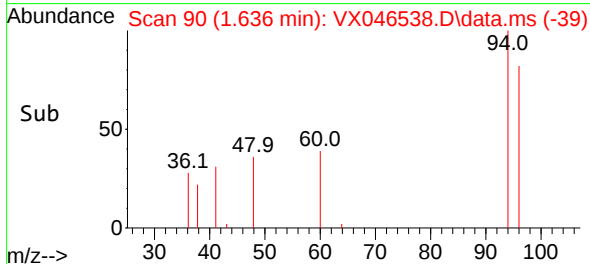
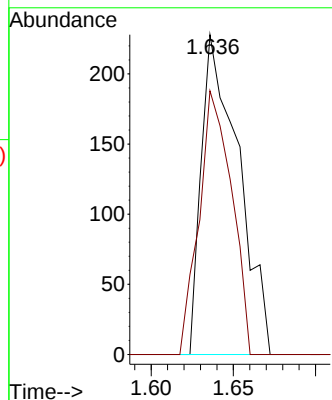
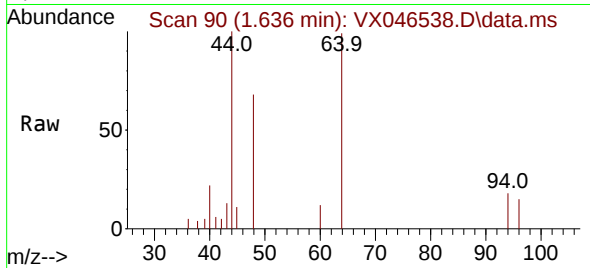




#5
Bromomethane
Concen: 0.399 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

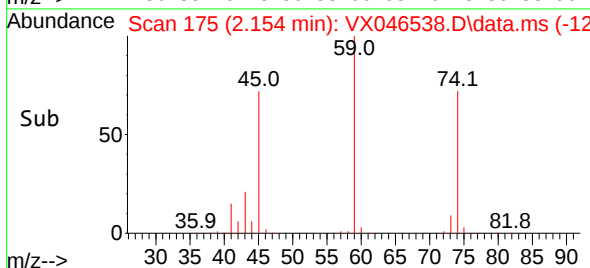
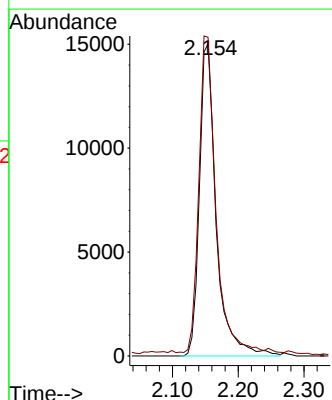
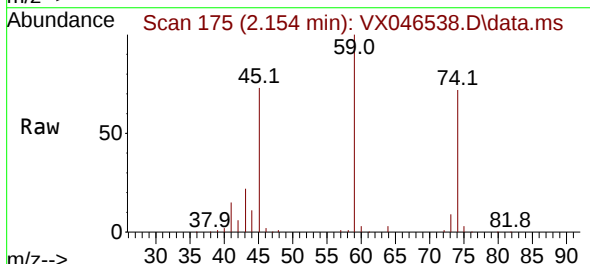
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

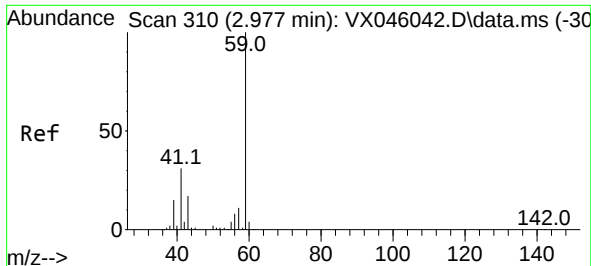
Tgt Ion: 94 Resp: 356
Ion Ratio Lower Upper
94 100
96 82.5 72.8 109.2



#8
Diethyl Ether
Concen: 30.956 ug/l
RT: 2.154 min Scan# 175
Delta R.T. -0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 74 Resp: 26584
Ion Ratio Lower Upper
74 100
45 101.8 54.9 164.8

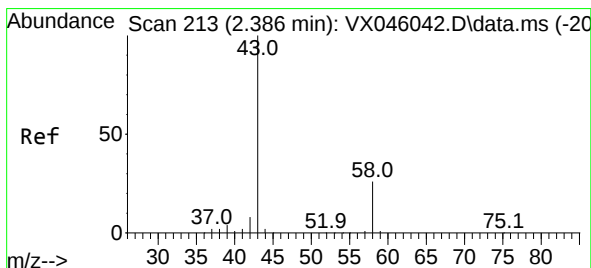
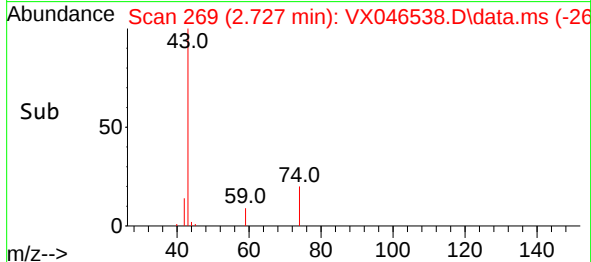
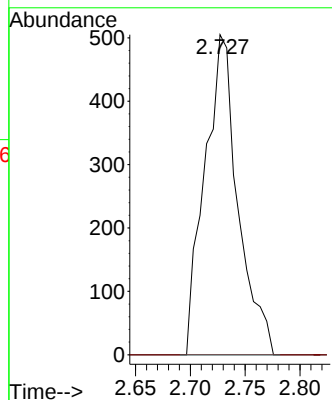
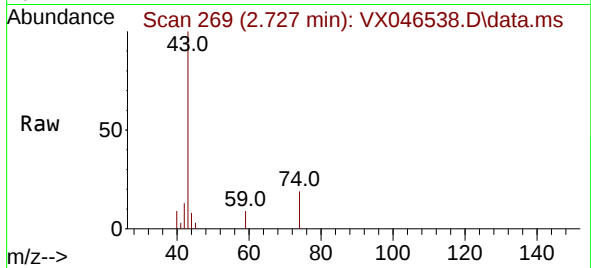




#11
Tert butyl alcohol
Concen: 4.613 ug/l
RT: 2.727 min Scan# 215
Delta R.T. -0.244 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

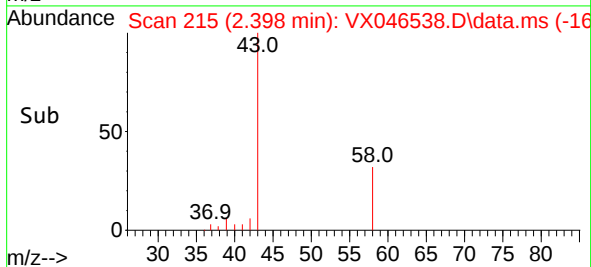
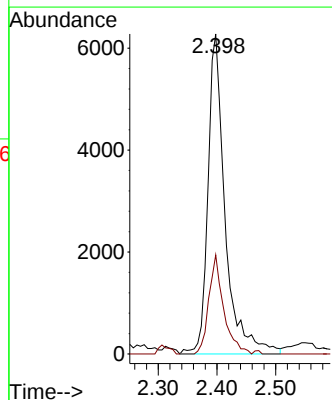
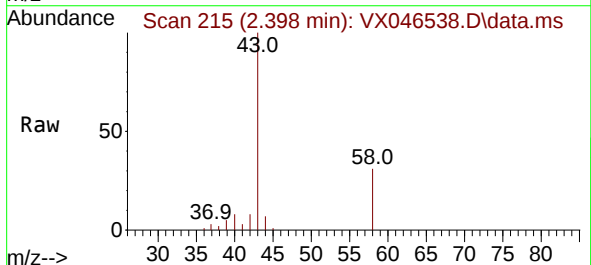
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

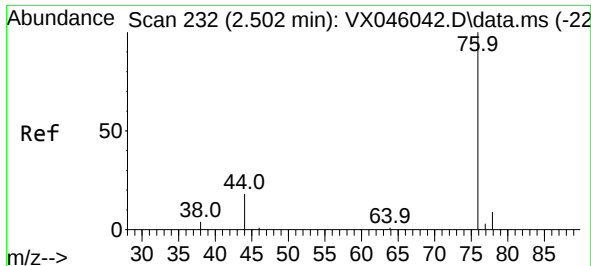
Tgt Ion: 59 Resp: 1062
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 19.948 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

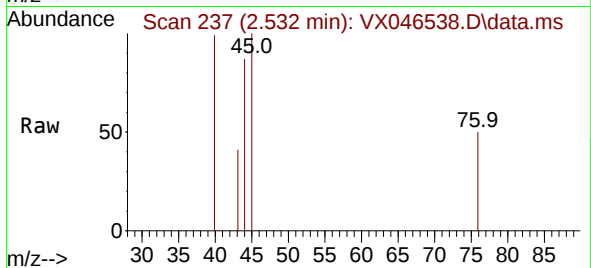
Tgt Ion: 43 Resp: 12743
Ion Ratio Lower Upper
43 100
58 30.9 21.2 31.8



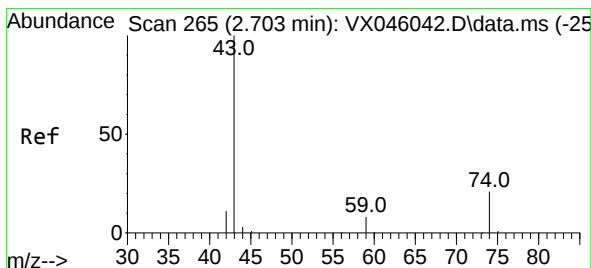
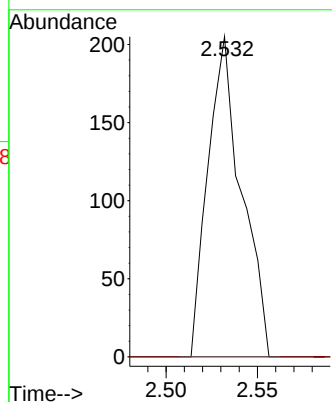
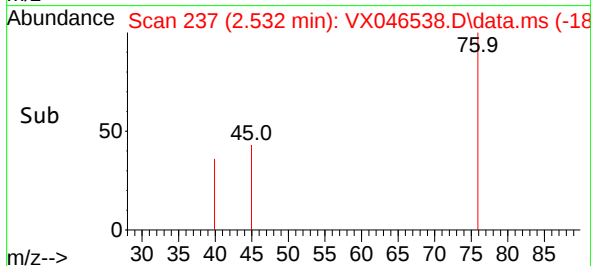


#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

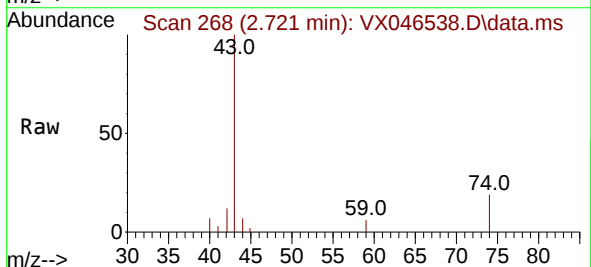
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05



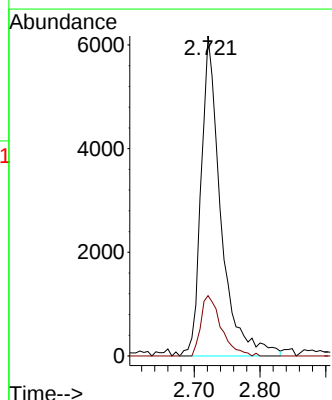
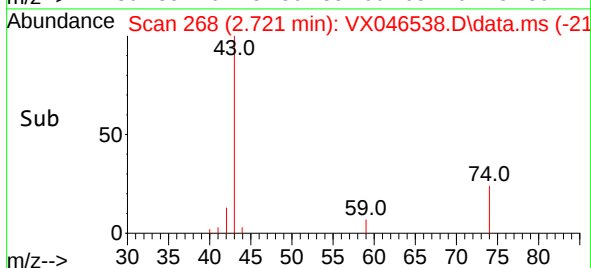
Tgt Ion: 76 Resp: 263
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

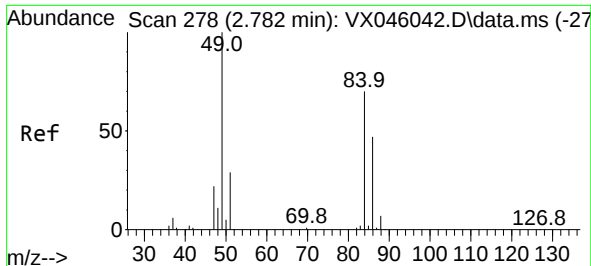


#18
Methyl Acetate
Concen: 5.205 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13



Tgt Ion: 43 Resp: 12862
Ion Ratio Lower Upper
43 100
74 19.3 16.7 25.1

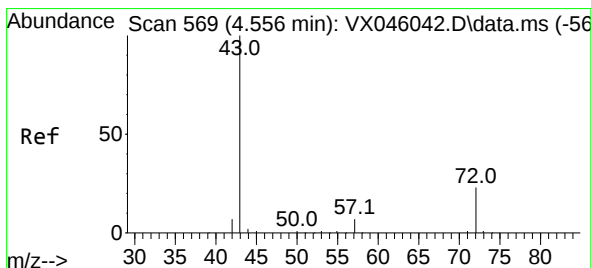
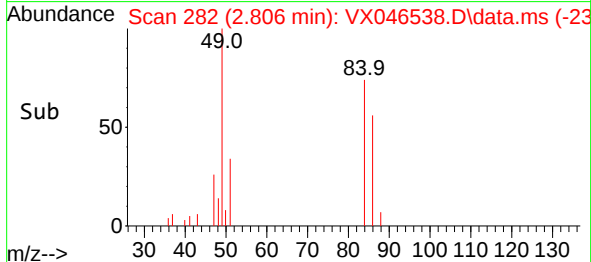
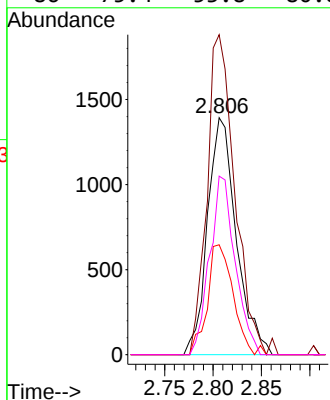
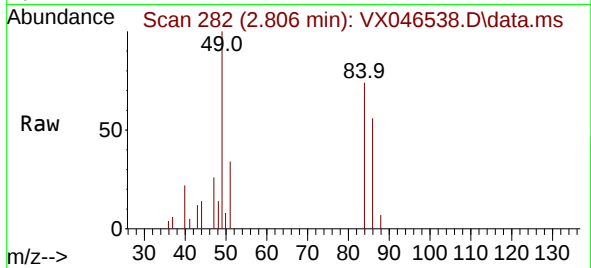




#20
Methylene Chloride
Concen: 1.731 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

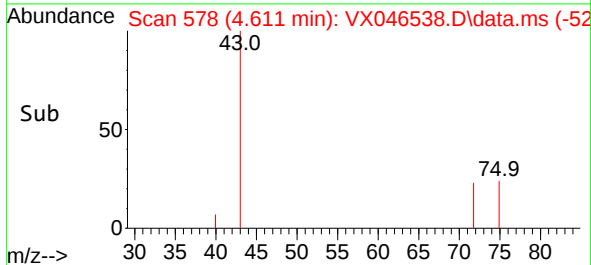
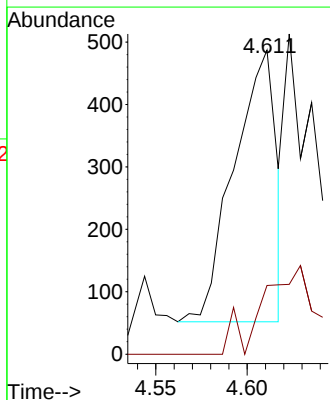
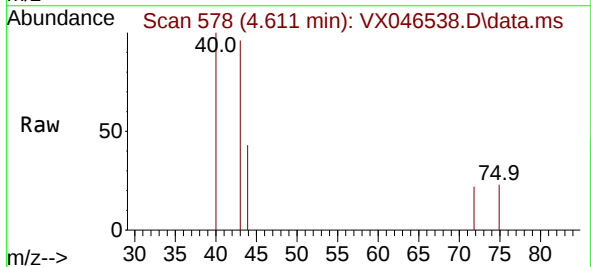
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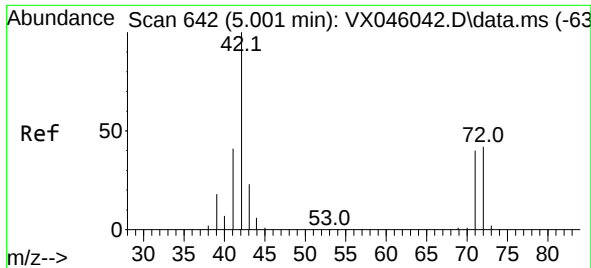
Tgt Ion:	84	Resp:	2882
Ion	Ratio	Lower	Upper
84	100		
49	135.0	113.9	170.9
51	46.4	33.5	50.3
86	75.4	53.8	80.8



#25
2-Butanone
Concen: 0.606 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.037 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion:	43	Resp:	700
Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.4	27.6

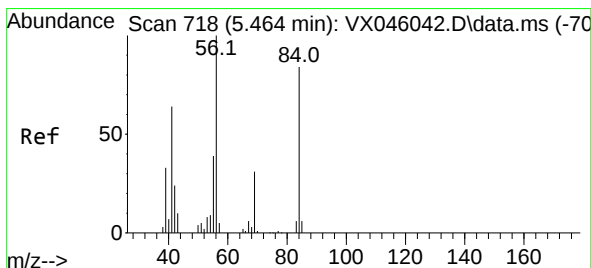
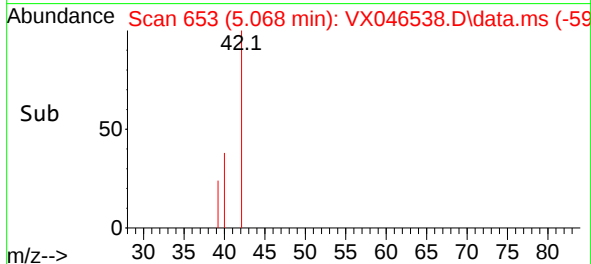
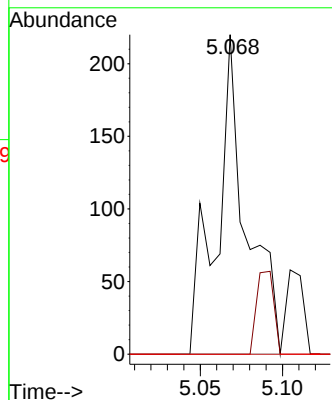
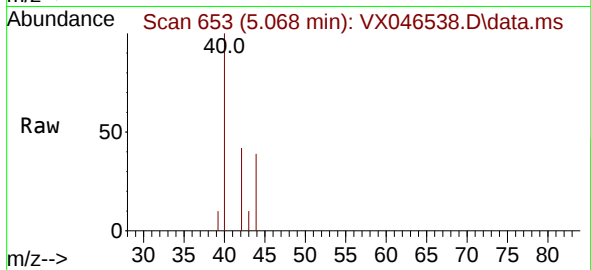




#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 5.068 min Scan# 61
Delta R.T. 0.049 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

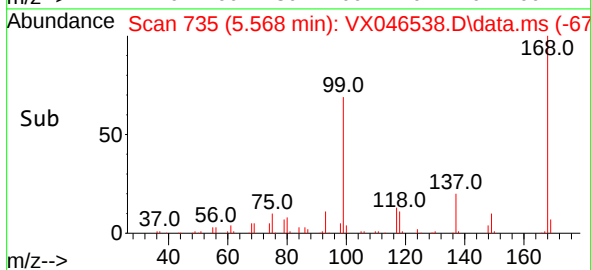
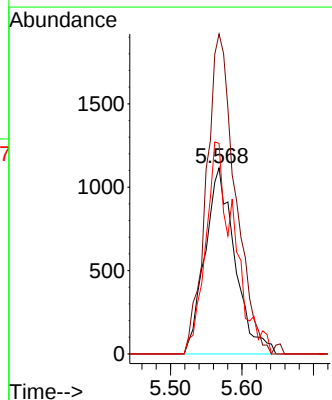
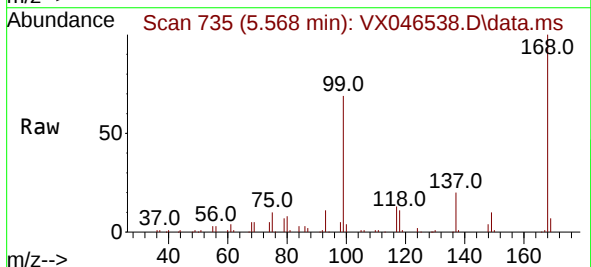
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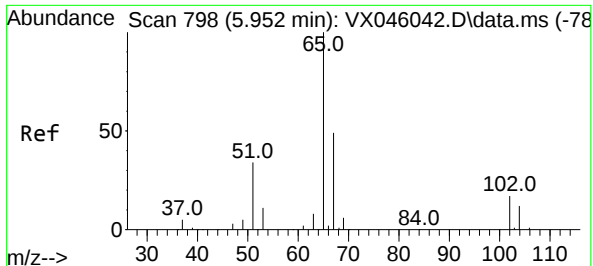
Tgt Ion: 42 Resp: 279
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 56 Resp: 3245
Ion Ratio Lower Upper
56 100
69 172.0 24.4 36.6#
84 113.2 66.9 100.3#

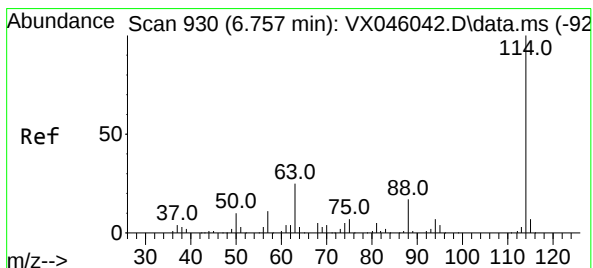
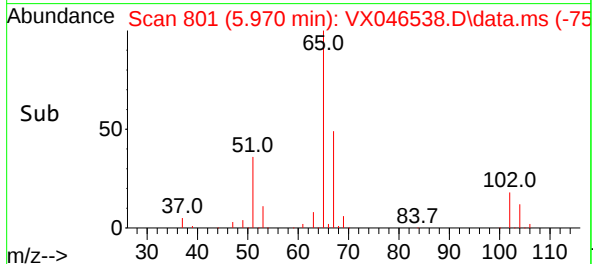
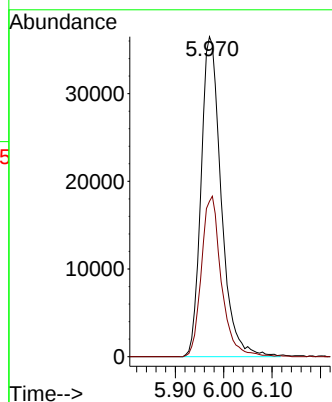
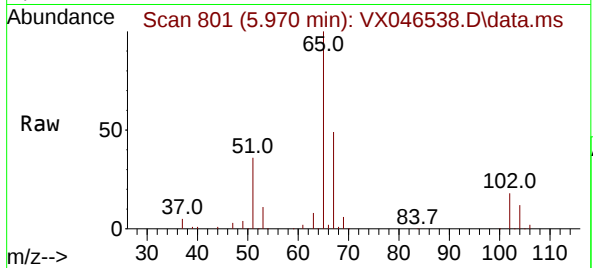




#33
 1,2-Dichloroethane-d4
 Concen: 50.912 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046538.D
 Acq: 06 Jun 2025 19:13

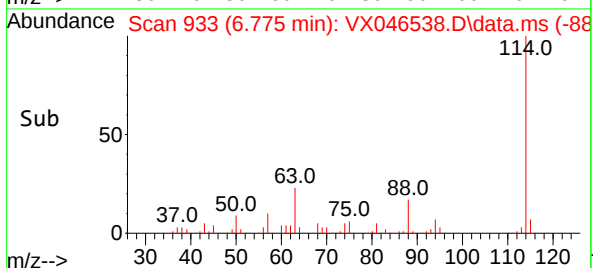
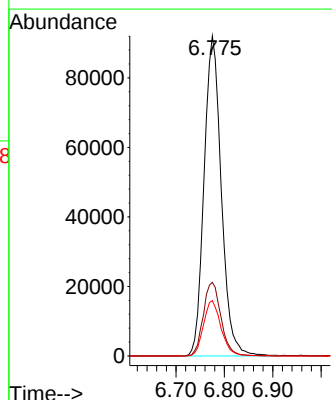
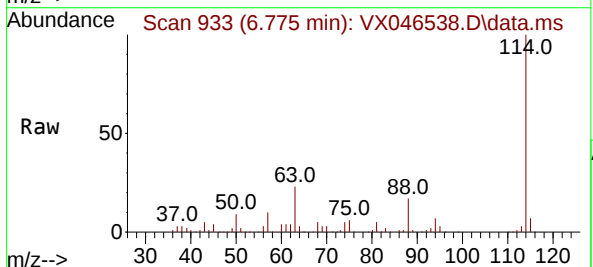
Instrument :
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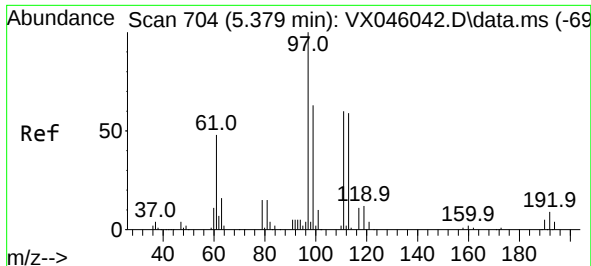
Tgt Ion: 65 Resp: 105628
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046538.D
 Acq: 06 Jun 2025 19:13

Tgt Ion: 114 Resp: 228170
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 49.2
 88 17.3 0.0 33.6

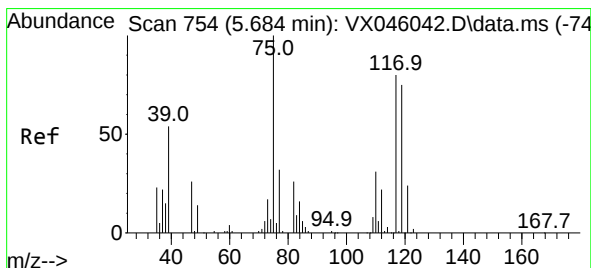
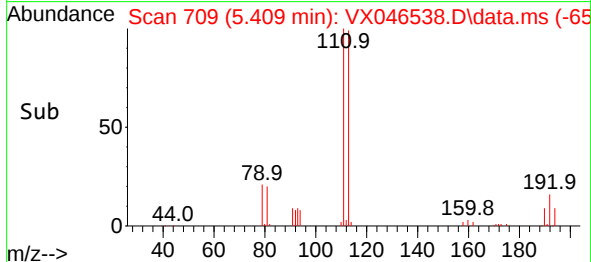
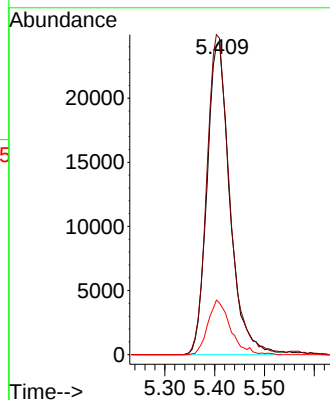
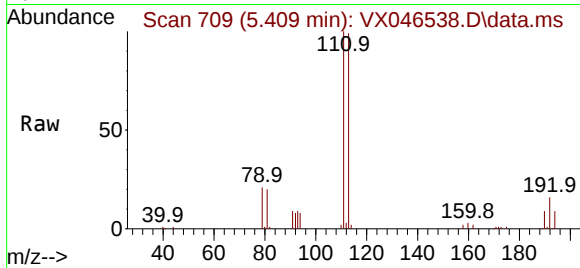




#35
Dibromofluoromethane
Concen: 46.185 ug/l
RT: 5.409 min Scan# 709
Delta R.T. 0.006 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

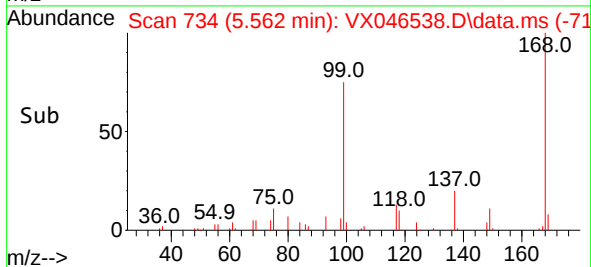
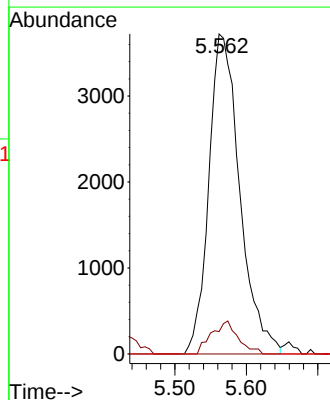
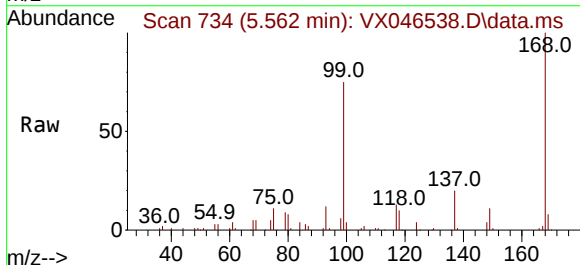
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

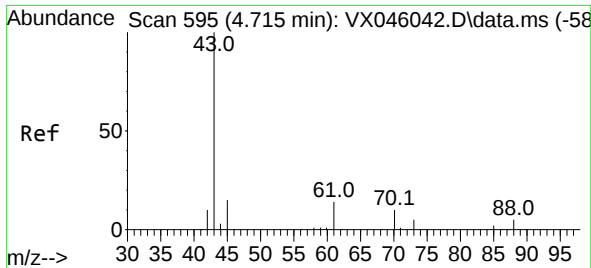
Tgt Ion:113 Resp: 77497
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 75 Resp: 11182
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#

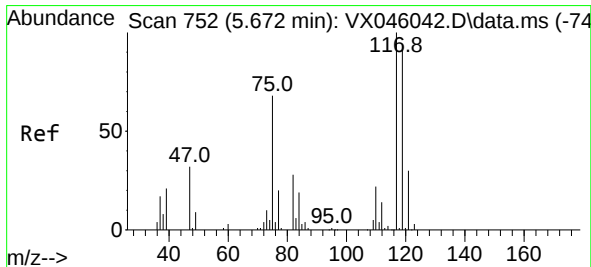
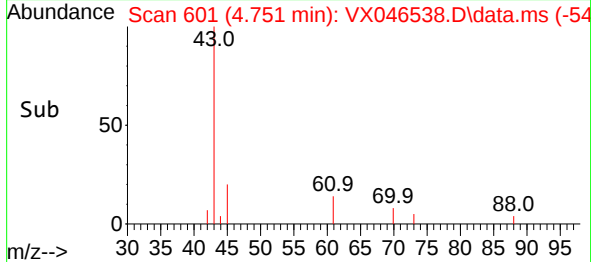
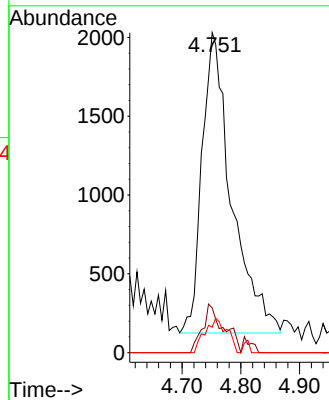
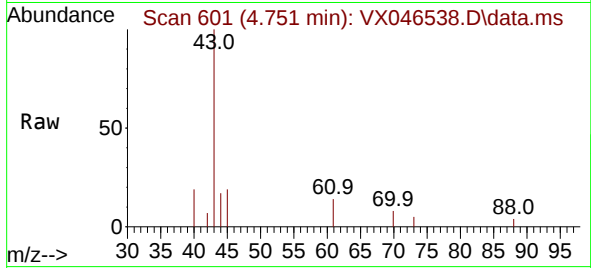




#37
Ethyl Acetate
Concen: 2.844 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

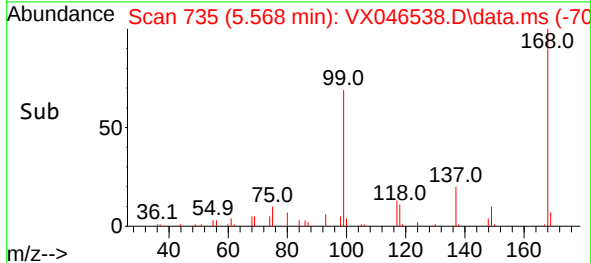
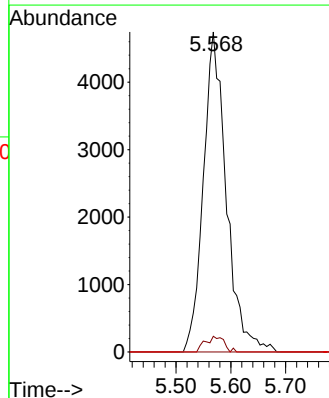
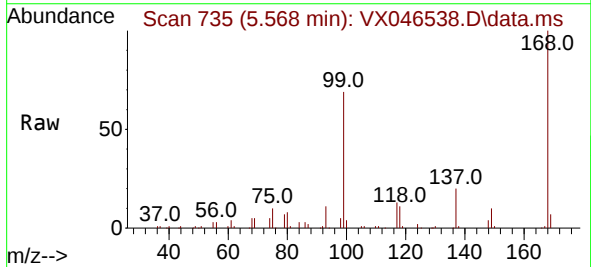
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

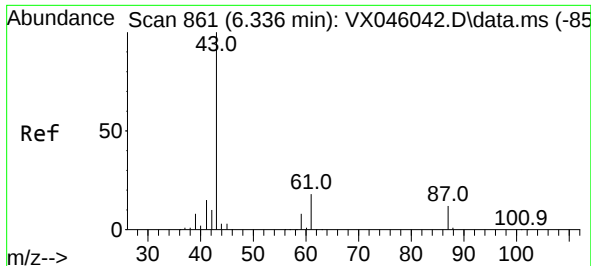
Tgt Ion:	43	Resp:	6654
Ion	Ratio	Lower	Upper
43	100		
61	11.6	10.3	15.5
70	8.4	7.9	11.9



#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion:	117	Resp:	13818
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.2	112.8#
121	0.0	24.2	36.4#

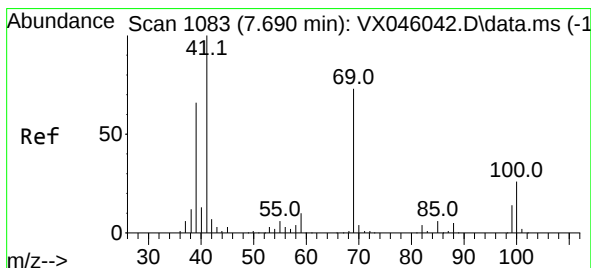
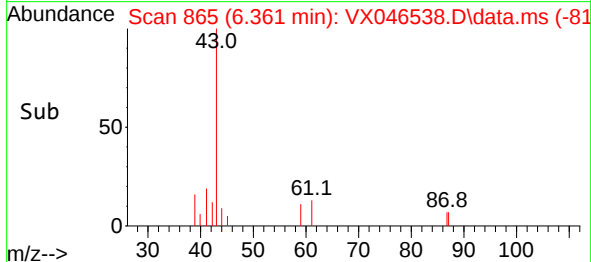
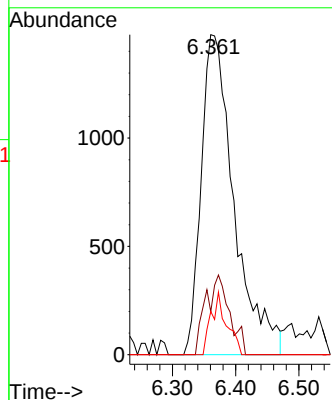
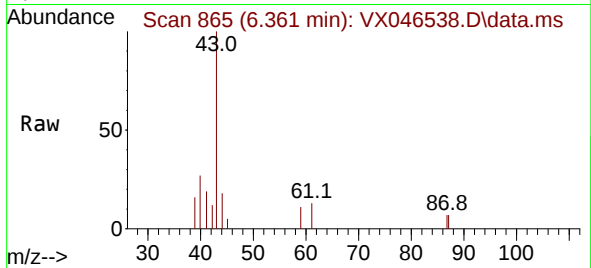




#43
Isopropyl Acetate
Concen: 1.309 ug/l
RT: 6.361 min Scan# 80
Delta R.T. 0.007 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

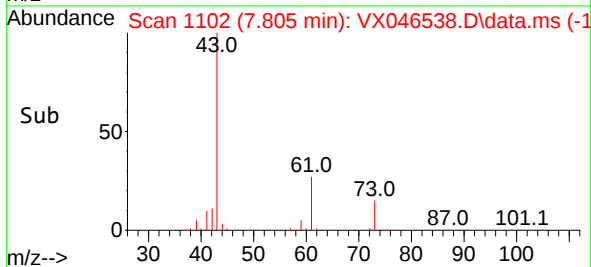
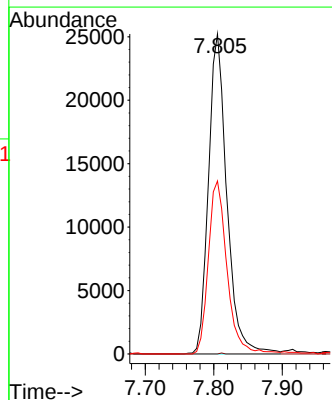
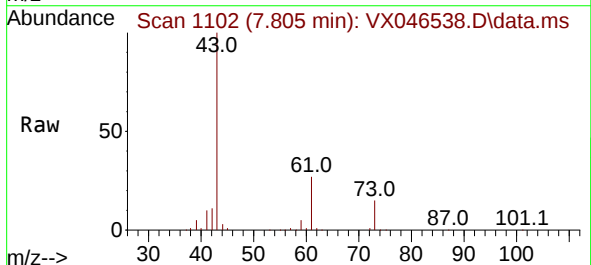
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

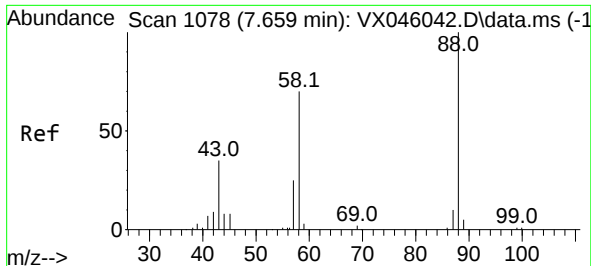
Tgt Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
61 18.0 14.3 21.5
87 9.3 9.5 14.3#



#48
Methyl methacrylate
Concen: 22.382 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 41 Resp: 46963
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 54.9 51.7 77.5

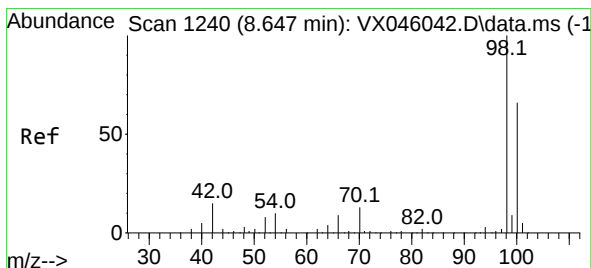
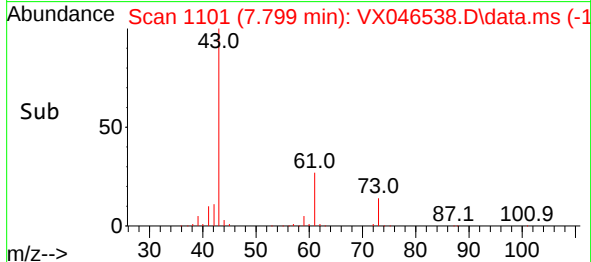
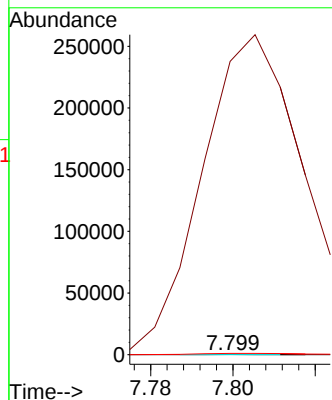
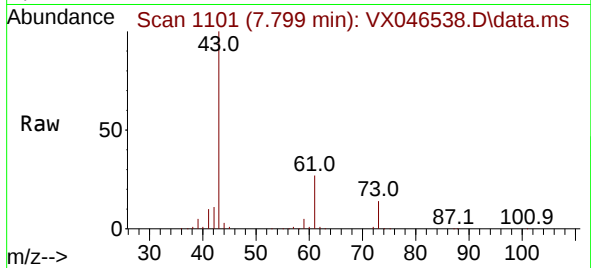




#49
1,4-Dioxane
Concen: 0.998 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

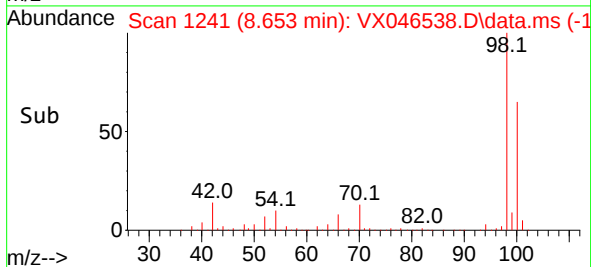
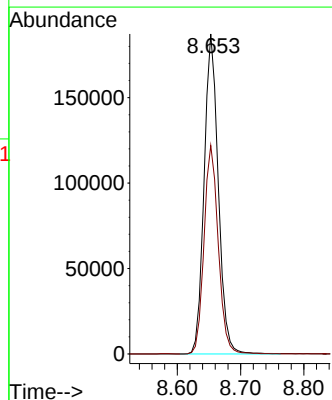
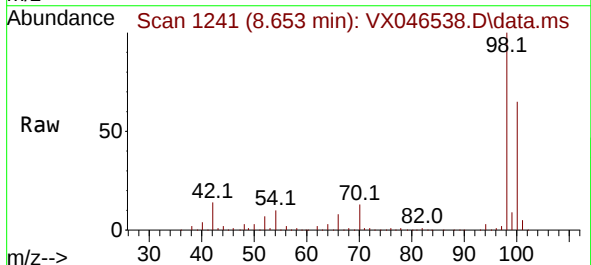
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

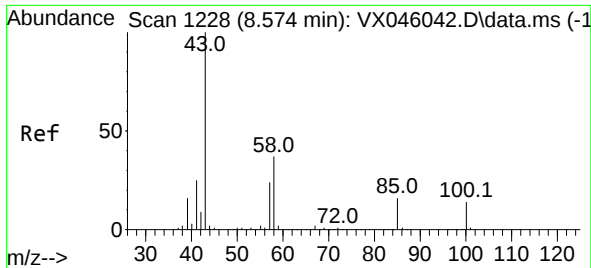
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 1713864.3 33.4 50.2#
58 7042.9 58.6 88.0#



#50
Toluene-d8
Concen: 52.777 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 98 Resp: 291961
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3

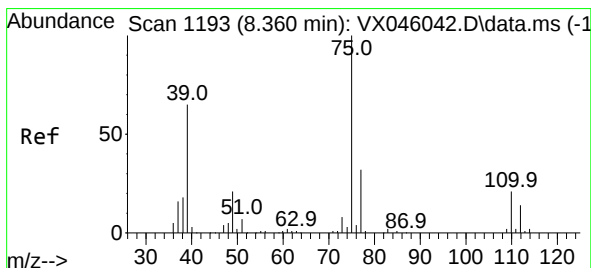
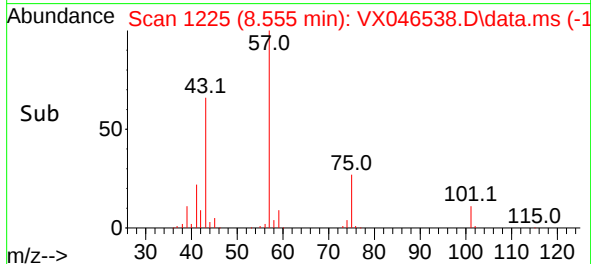
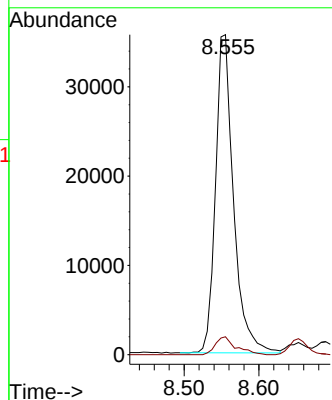
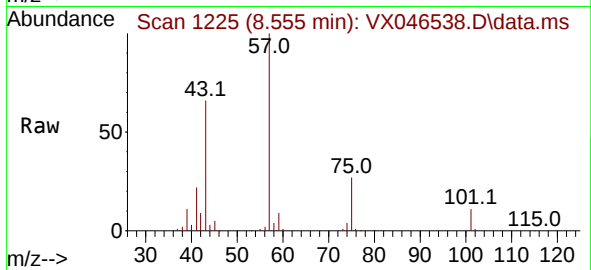




#51
4-Methyl-2-Pentanone
Concen: 23.061 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

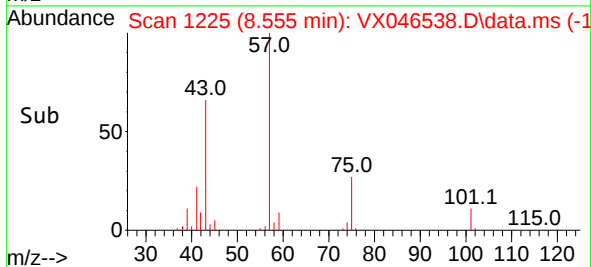
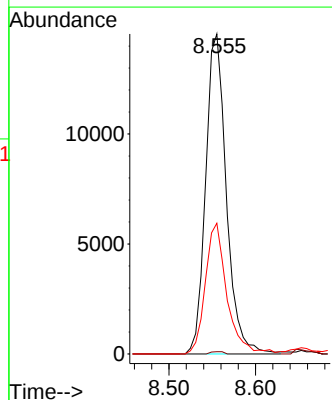
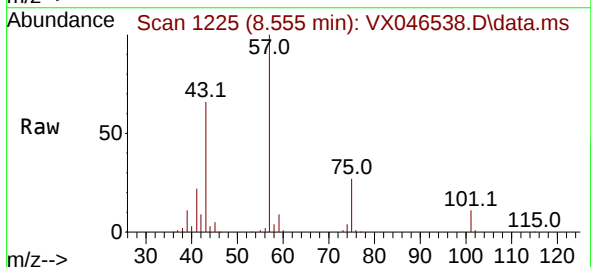
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

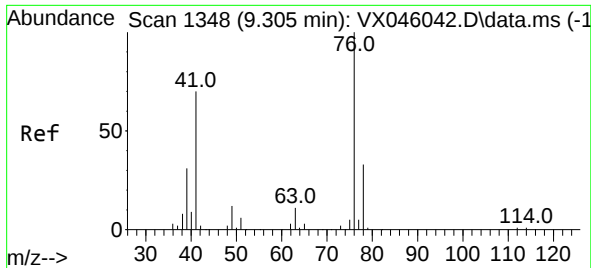
Tgt Ion: 43 Resp: 59764
Ion Ratio Lower Upper
43 100
58 6.4 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.990 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 75 Resp: 24144
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.0#
39 40.8 52.2 78.4#

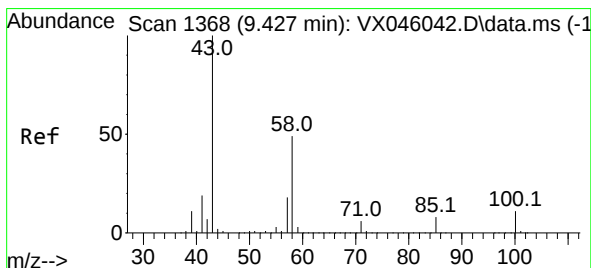
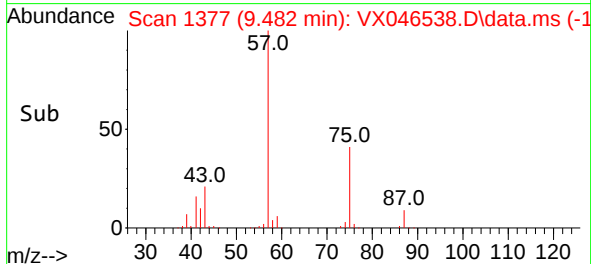
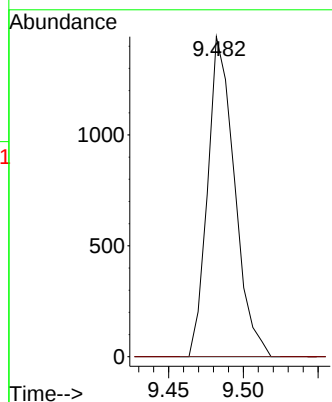
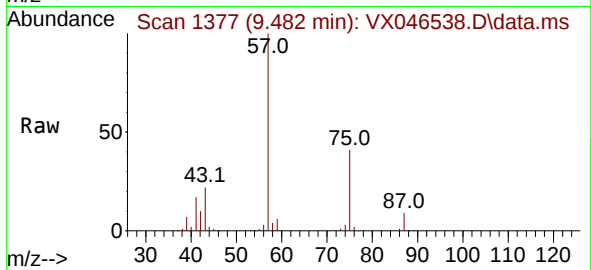




#57
1,3-Dichloropropane
Concen: 0.614 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

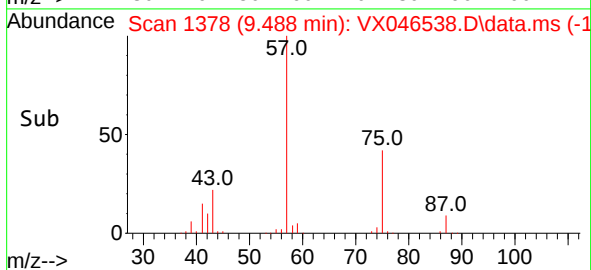
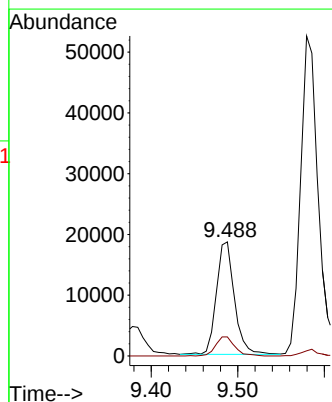
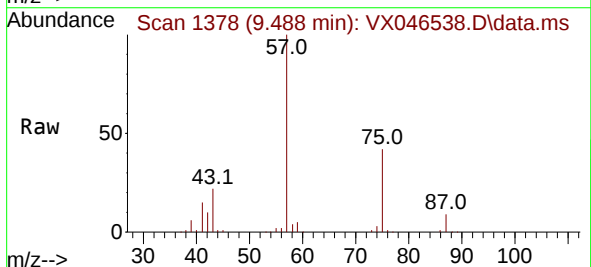
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

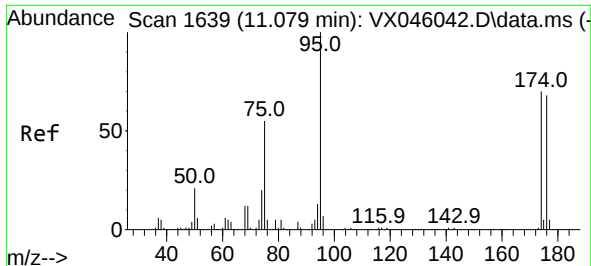
Tgt Ion: 76 Resp: 1806
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 14.373 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 43 Resp: 26713
Ion Ratio Lower Upper
43 100
58 18.2 24.9 74.6#

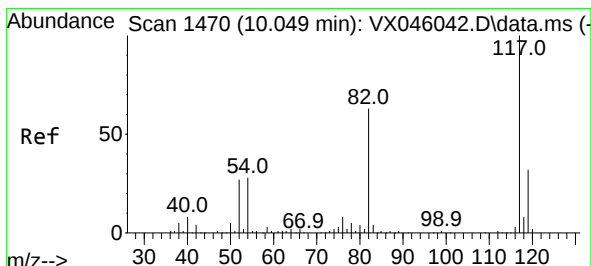
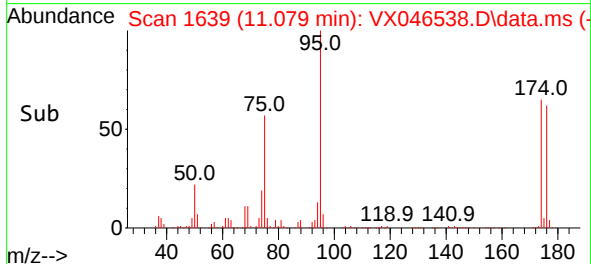
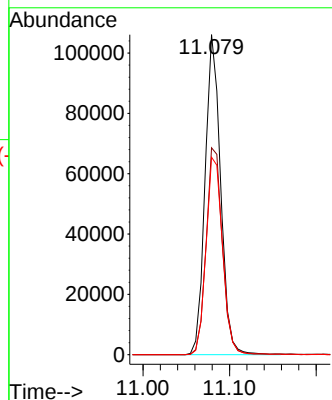
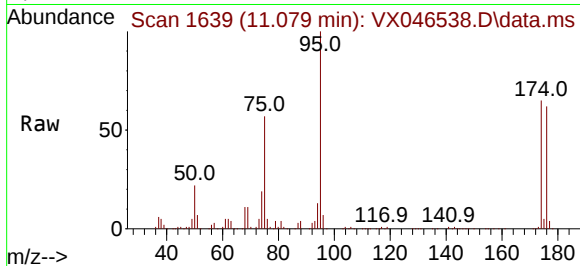




#62
4-Bromofluorobenzene
Concen: 57.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

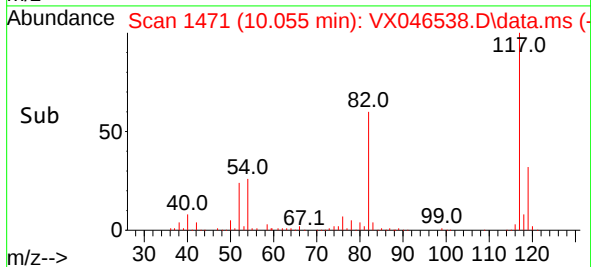
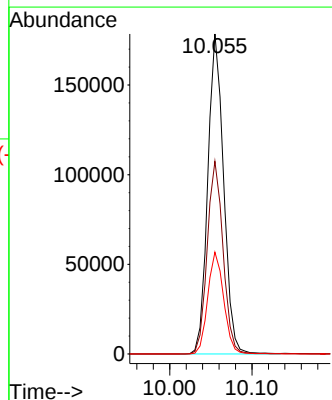
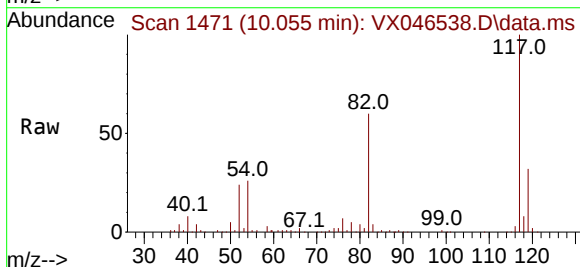
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

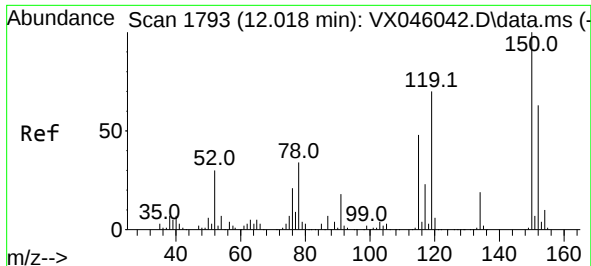
Tgt Ion: 95 Resp: 132011
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 65.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

Tgt Ion: 117 Resp: 238526
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 31.8 25.8 38.6

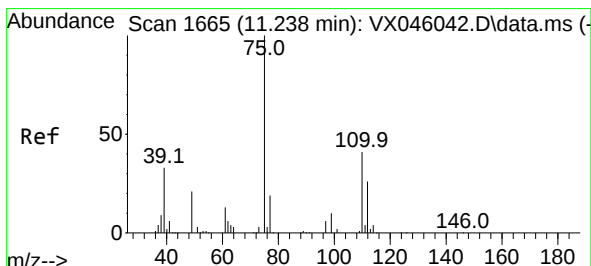
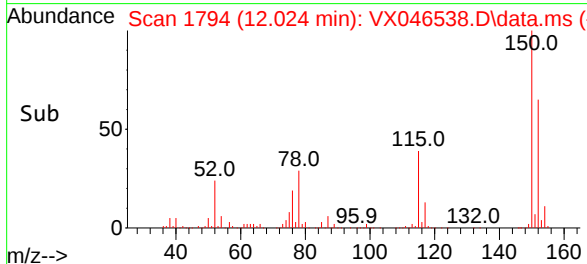
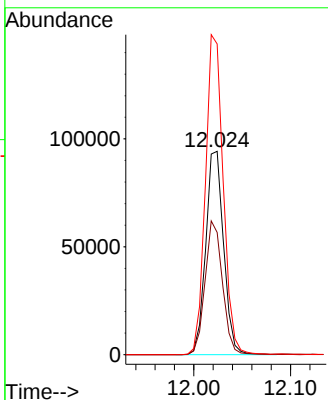
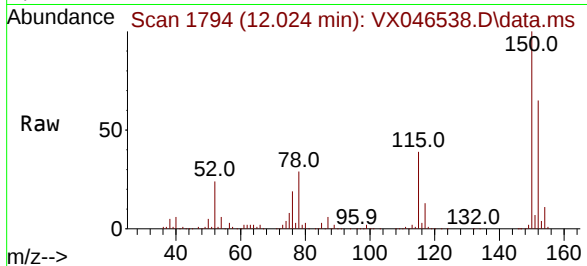




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

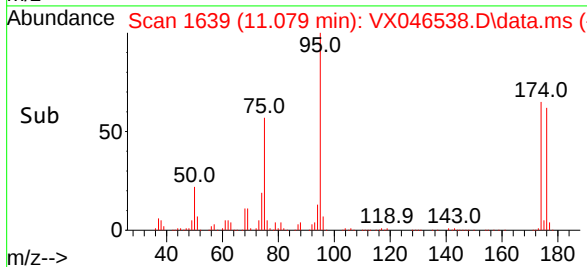
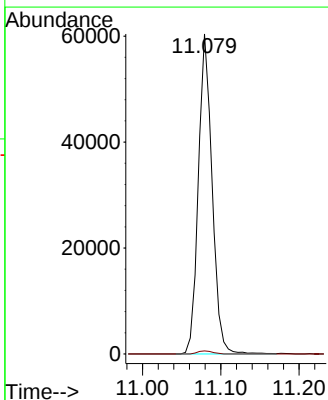
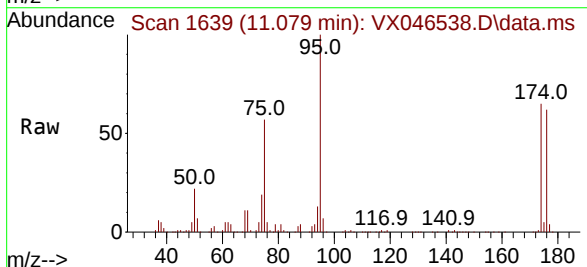
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-05

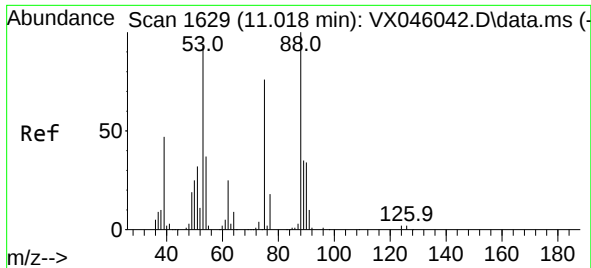
Tgt Ion:152 Resp: 121599
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 156.1 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 28.555 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046538.D
Acq: 06 Jun 2025 19:13

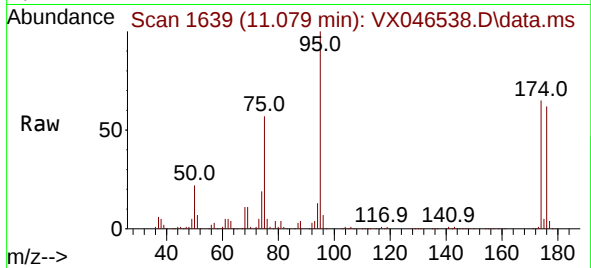
Tgt Ion: 75 Resp: 73547
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.370 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046538.D
 Acq: 06 Jun 2025 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-05



Tgt Ion: 75 Resp: 73547
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

