

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046534.D
 Acq On : 06 Jun 2025 17:43
 Operator : JC/MD
 Sample : Q2207-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-01

Quant Time: Jun 06 23:23:52 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)

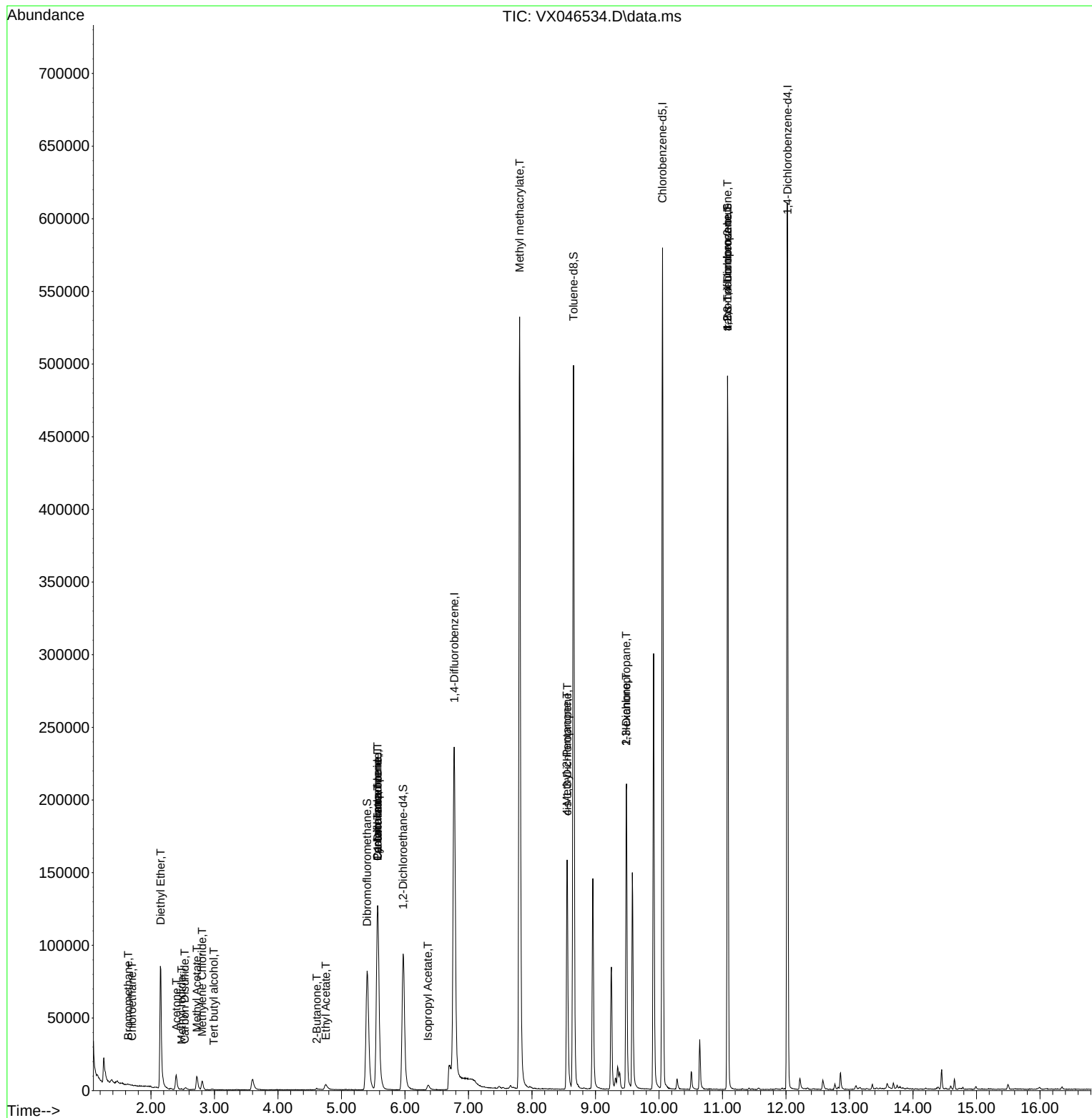
Internal Standards						
1) Pentafluorobenzene	5.568	168	117425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	102588	49.106	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.220%		
35) Dibromofluoromethane	5.404	113	76334	45.395	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.780%		
50) Toluene-d8	8.653	98	291127	52.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.020%		
62) 4-Bromofluorobenzene	11.079	95	131515	57.336	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	114.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	293	0.326	ug/l #	70
6) Chloroethane	1.703	64	469	0.489	ug/l #	44
8) Diethyl Ether	2.154	74	33754	39.034	ug/l	92
10) Methyl Iodide	2.483	142	465	0.278	ug/l #	74
11) Tert butyl alcohol	2.989	59	131	0.565	ug/l #	72
16) Acetone	2.398	43	12996	20.145	ug/l	97
17) Carbon Disulfide	2.532	76	435	0.349	ug/l #	76
18) Methyl Acetate	2.721	43	13584	5.459	ug/l	96
20) Methylene Chloride	2.807	84	2769	1.652	ug/l #	93
25) 2-Butanone	4.611	43	2231	1.918	ug/l	93
31) Cyclohexane	5.568	56	3211	1.322	ug/l #	9
36) 1,1-Dichloropropene	5.568	75	11395	4.744	ug/l #	51
37) Ethyl Acetate	4.751	43	7503	3.200	ug/l	99
38) Carbon Tetrachloride	5.568	117	13428	4.991	ug/l #	19
43) Isopropyl Acetate	6.361	43	4734	1.158	ug/l	99
48) Methyl methacrylate	7.806	41	52641	25.034	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	62152	23.931	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	26260	9.757	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	2040	0.692	ug/l #	42
59) 2-Hexanone	9.482	43	29606	15.895	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	72884	28.964	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72884	83.551	ug/l #	1

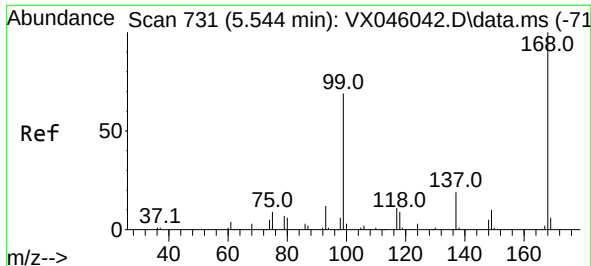
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX046534.D
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

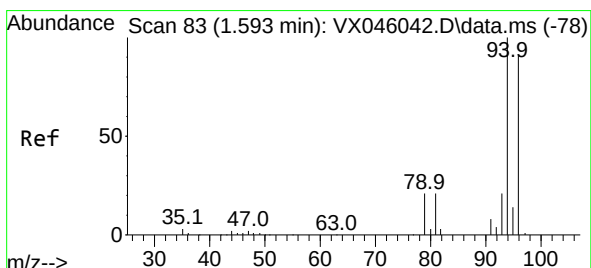
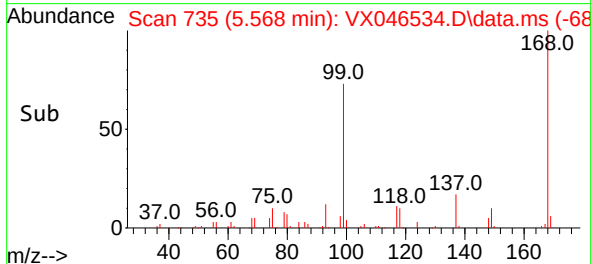
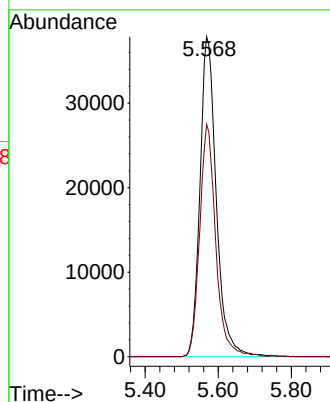
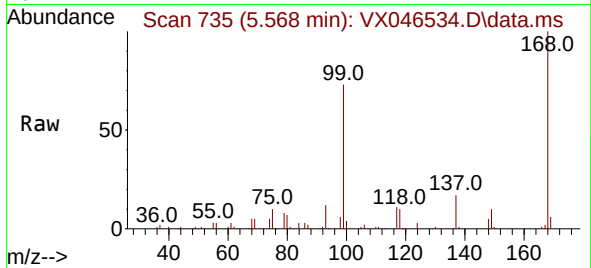




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

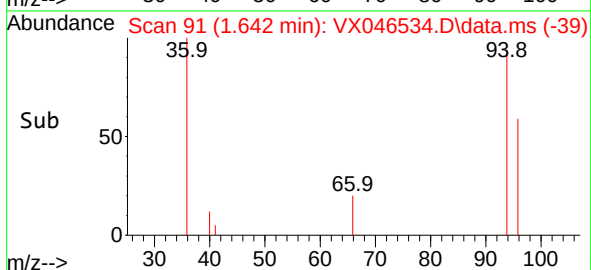
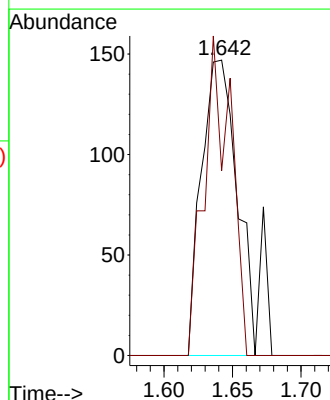
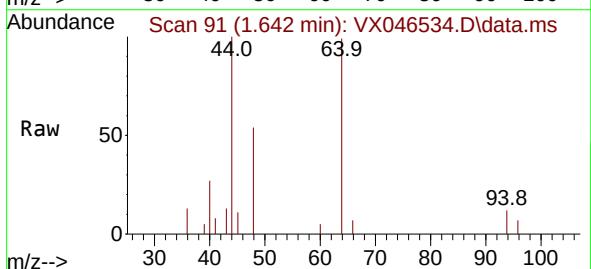
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

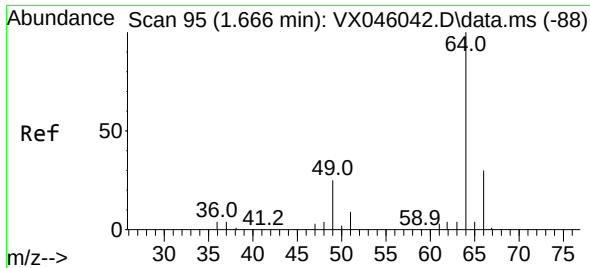
Tgt Ion:168 Resp: 117425
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#5
Bromomethane
Concen: 0.326 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 62.6 72.8 109.2#

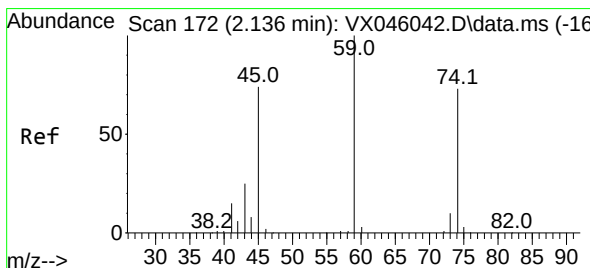
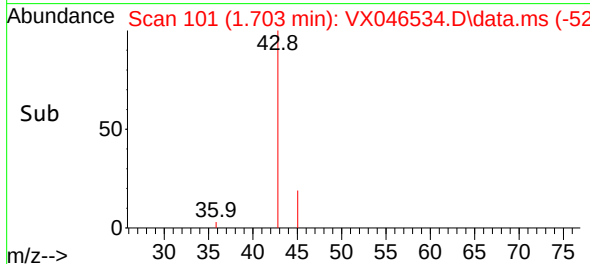
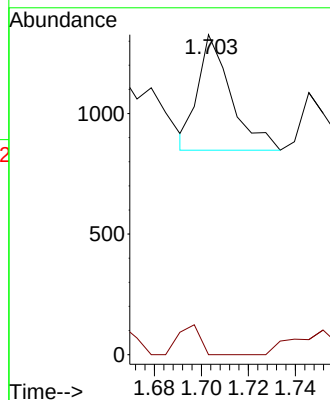
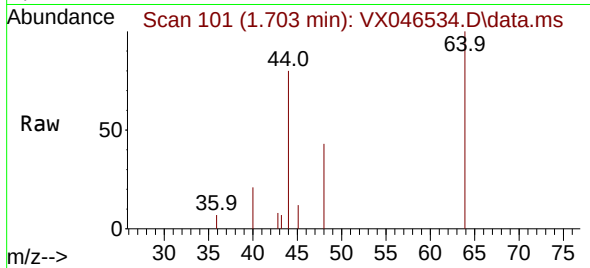




#6
Chloroethane
Concen: 0.489 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

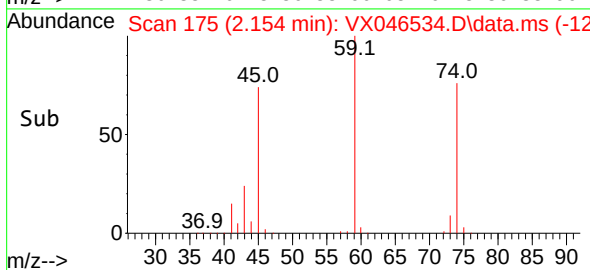
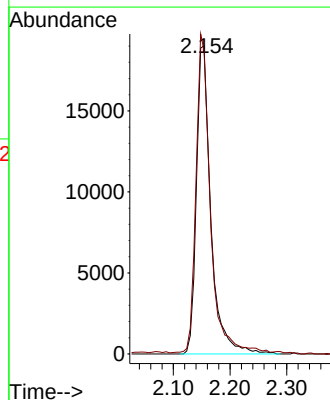
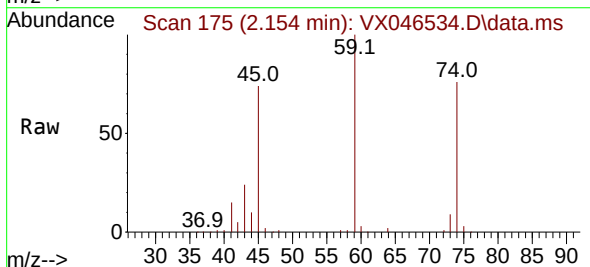
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

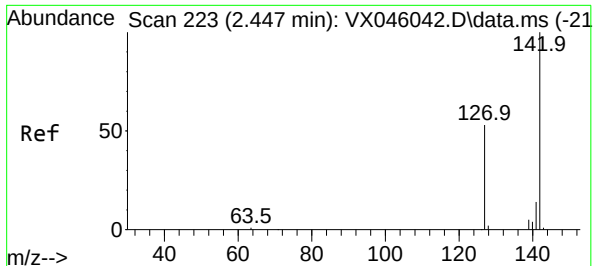
Tgt Ion: 64 Resp: 469
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#8
Diethyl Ether
Concen: 39.034 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 74 Resp: 33754
Ion Ratio Lower Upper
74 100
45 101.5 54.9 164.8

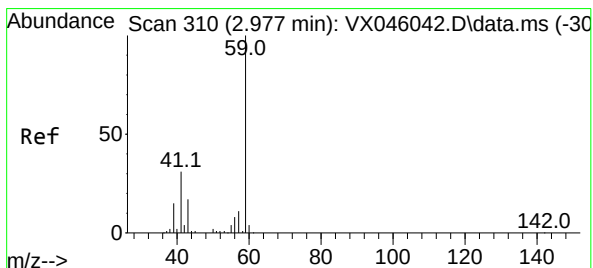
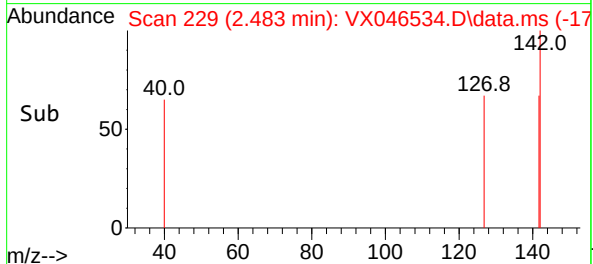
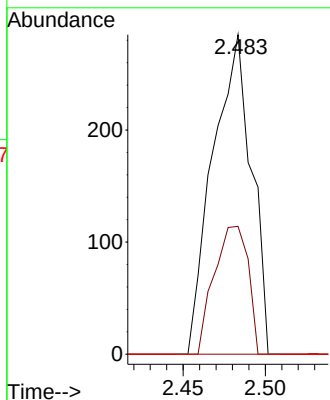
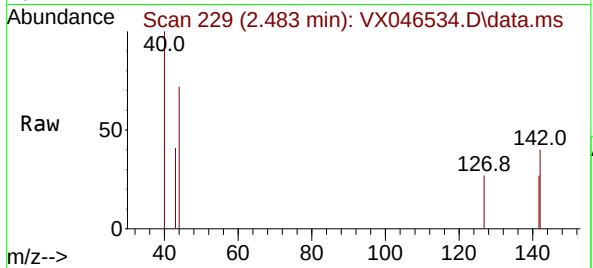




#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

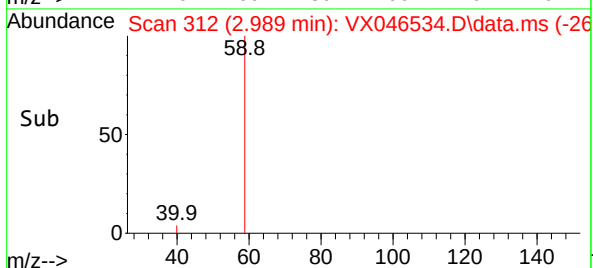
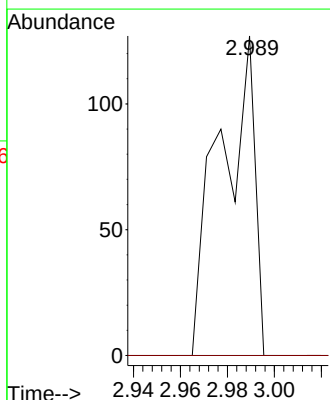
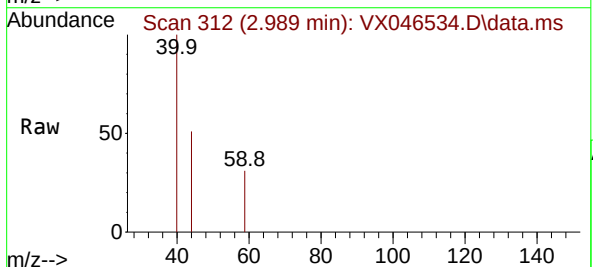
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

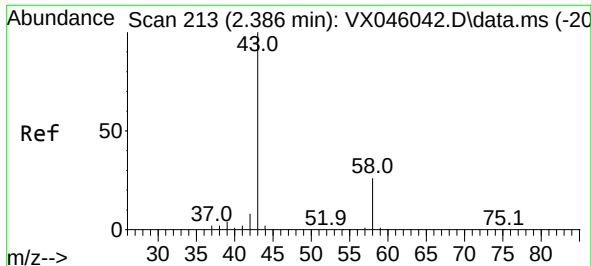
Tgt Ion:142 Resp: 465
Ion Ratio Lower Upper
142 100
127 35.3 41.7 62.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.565 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.018 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

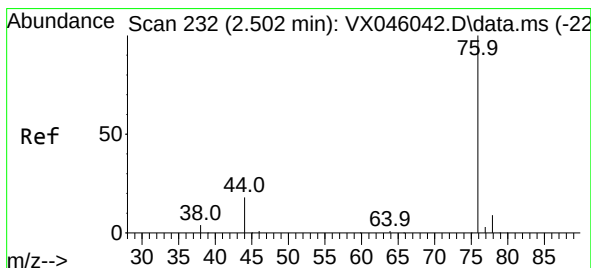
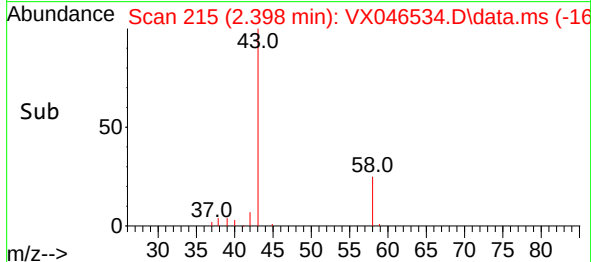
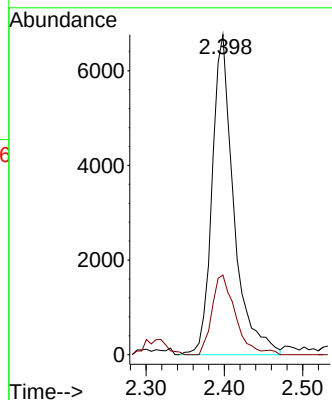
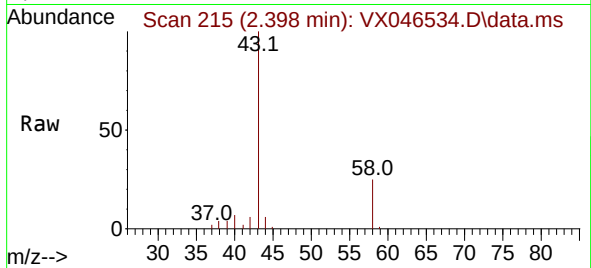




#16
Acetone
Concen: 20.145 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

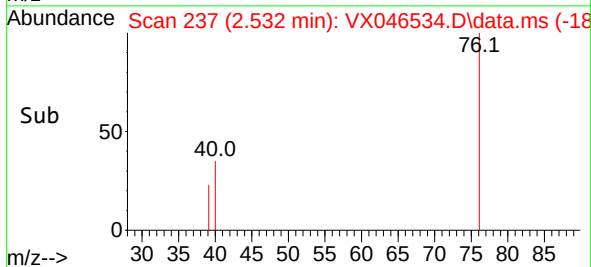
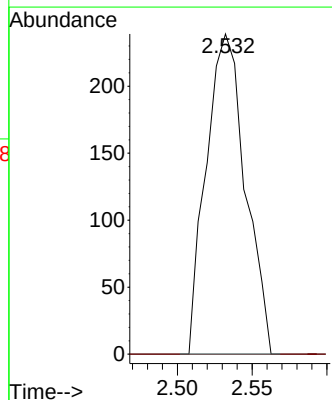
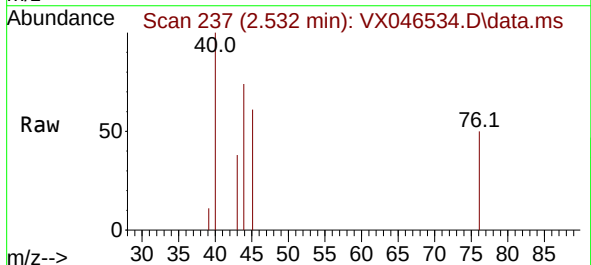
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

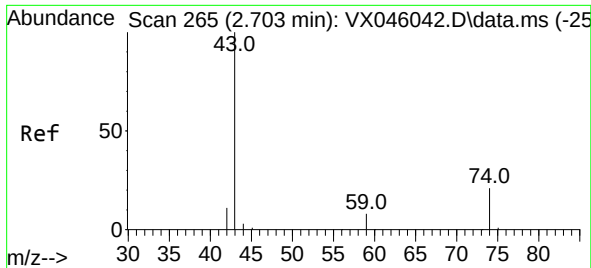
Tgt Ion: 43 Resp: 12996
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8



#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 76 Resp: 435
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

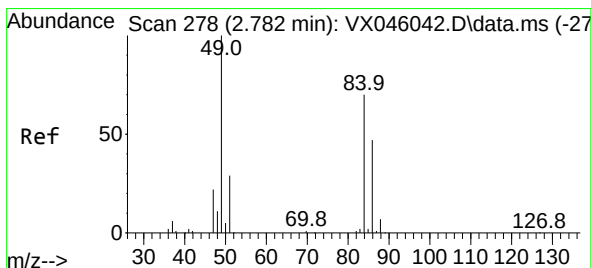
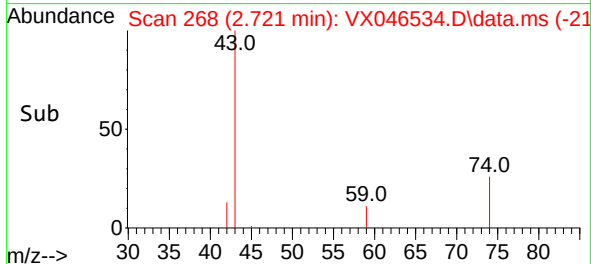
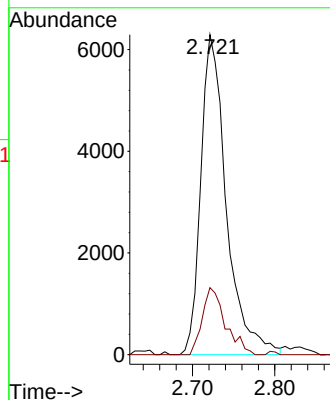
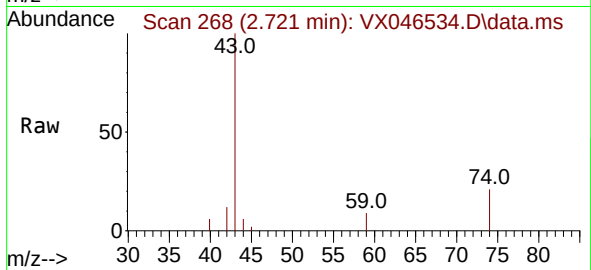




#18
Methyl Acetate
Concen: 5.459 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

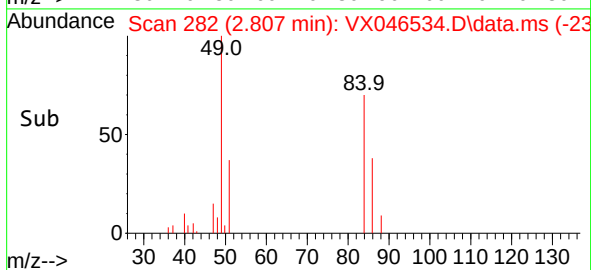
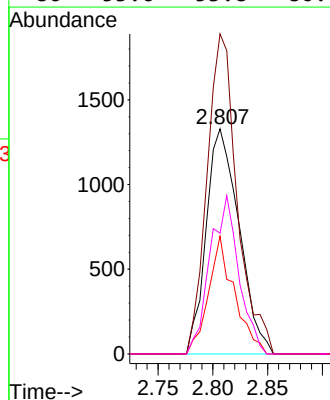
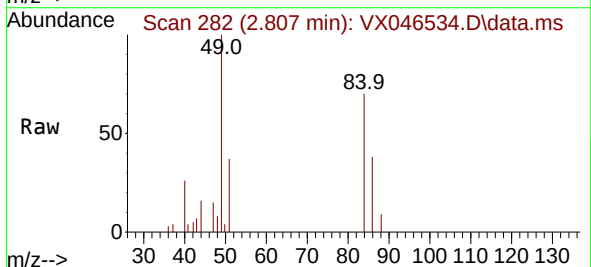
Instrument :
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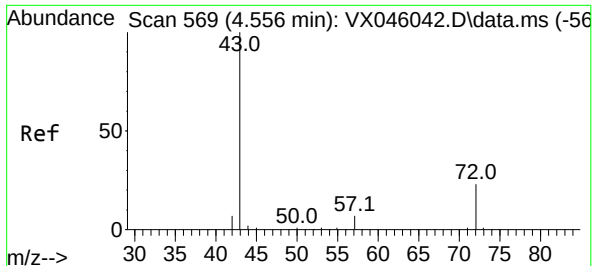
Tgt Ion: 43 Resp: 13584
Ion Ratio Lower Upper
43 100
74 18.9 16.7 25.1



#20
Methylene Chloride
Concen: 1.652 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.001 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 84 Resp: 2769
Ion Ratio Lower Upper
84 100
49 142.1 113.9 170.9
51 52.3 33.5 50.3#
86 53.6 53.8 80.8#

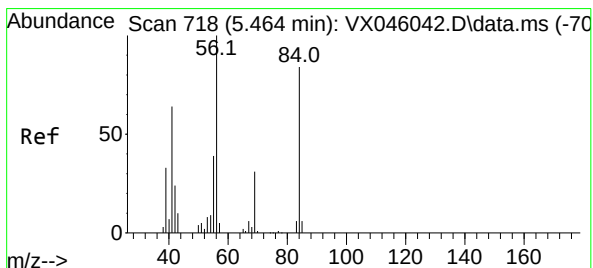
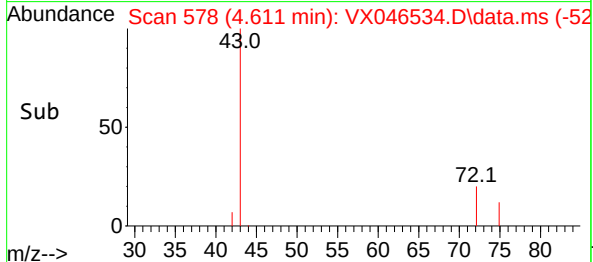
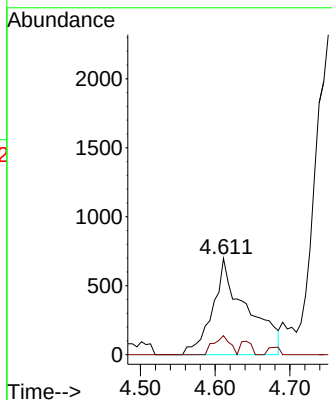
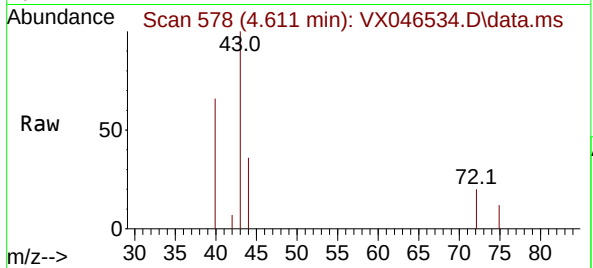




#25
2-Butanone
Concen: 1.918 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

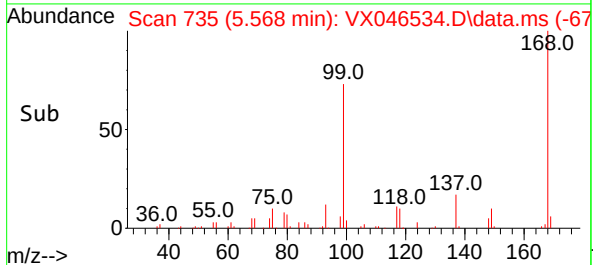
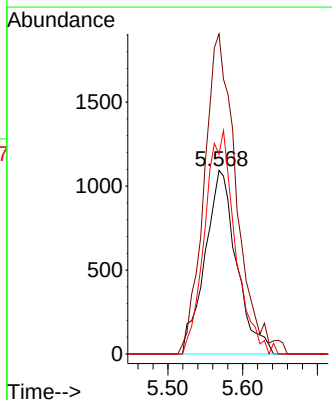
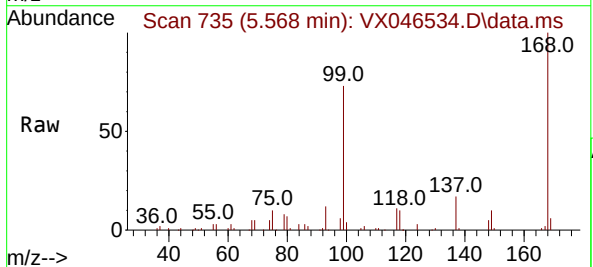
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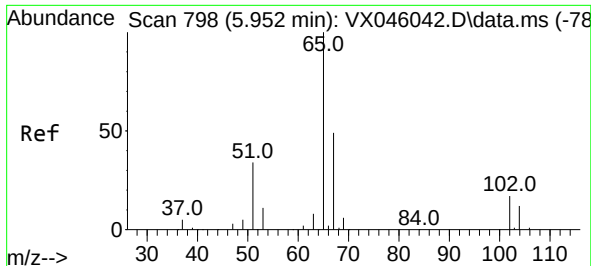
Tgt Ion: 43 Resp: 2231
Ion Ratio Lower Upper
43 100
72 19.8 18.4 27.6



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 56 Resp: 3211
Ion Ratio Lower Upper
56 100
69 174.4 24.4 36.6#
84 108.8 66.9 100.3#

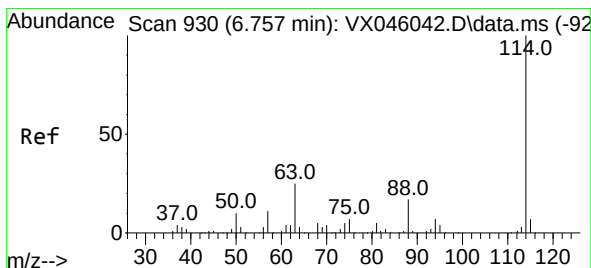
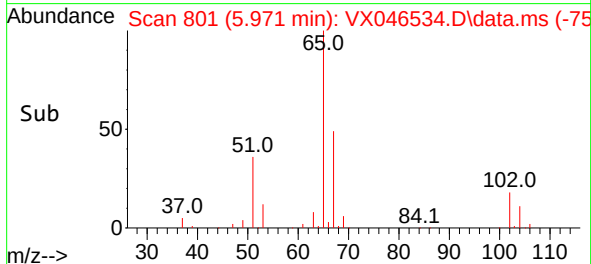
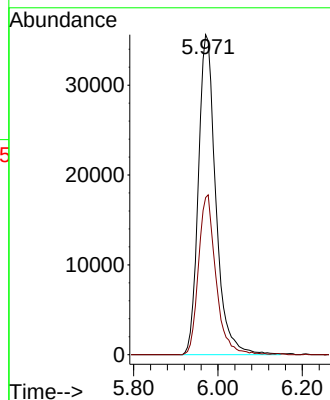
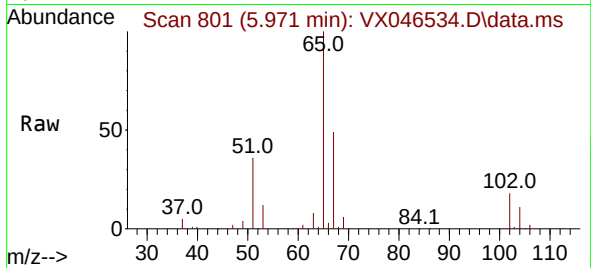




#33
1,2-Dichloroethane-d4
Concen: 49.106 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.001 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

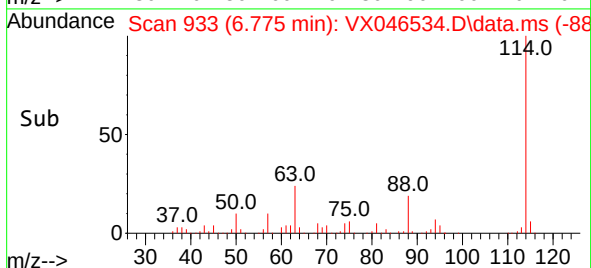
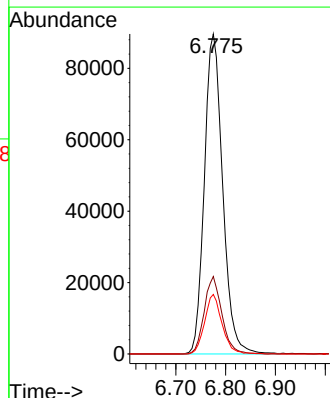
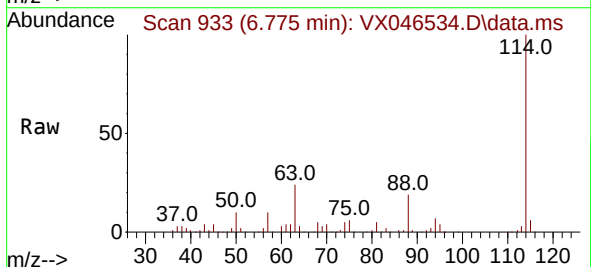
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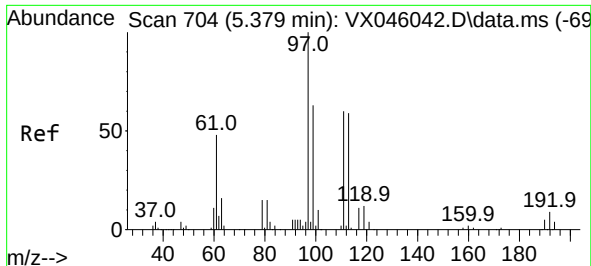
Tgt Ion: 65 Resp: 102588
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 114 Resp: 228661
Ion Ratio Lower Upper
114 100
63 24.2 0.0 49.2
88 18.6 0.0 33.6

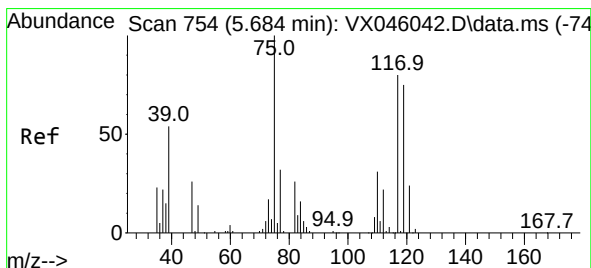
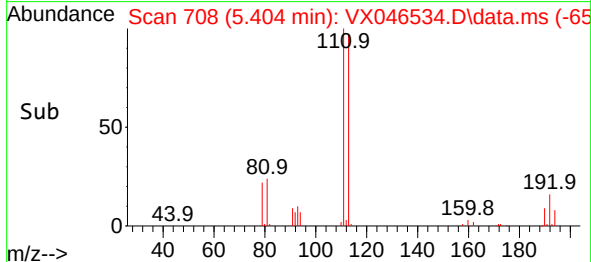
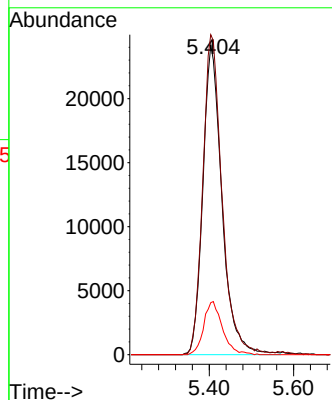
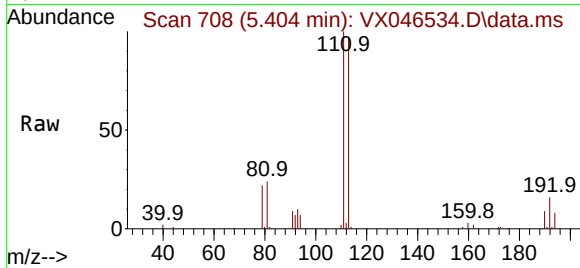




#35
Dibromofluoromethane
Concen: 45.395 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

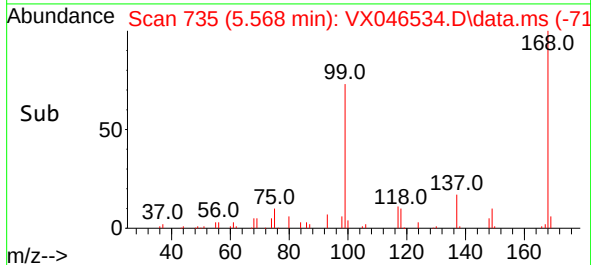
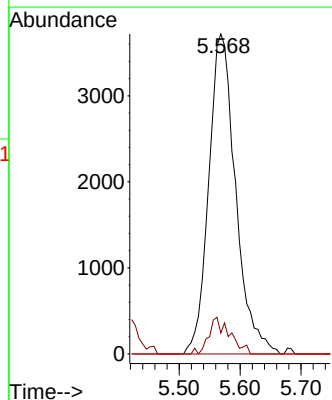
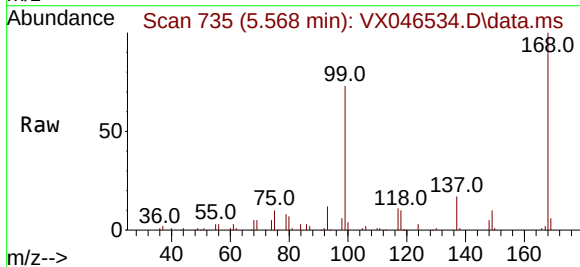
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

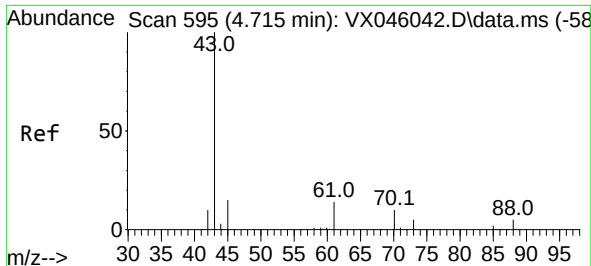
Tgt Ion:113 Resp: 76334
Ion Ratio Lower Upper
113 100
111 103.9 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 75 Resp: 11395
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#

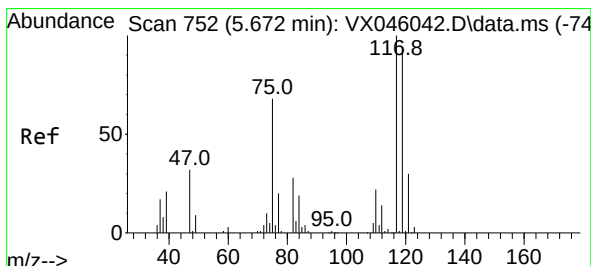
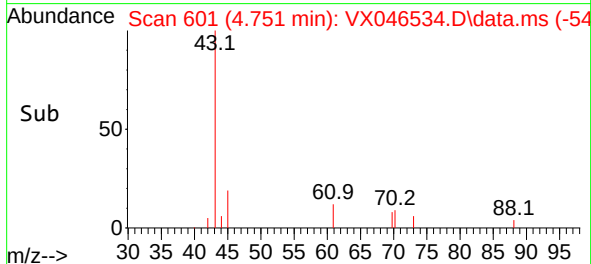
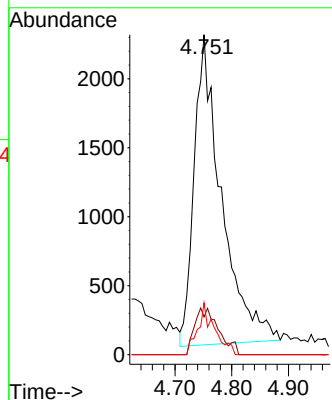
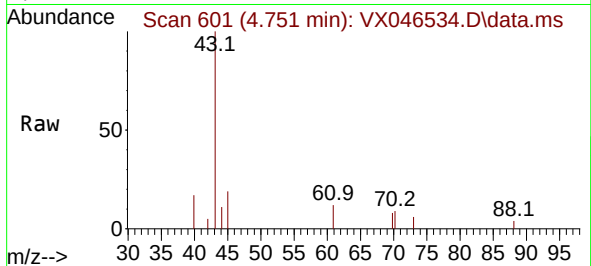




#37
Ethyl Acetate
Concen: 3.200 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

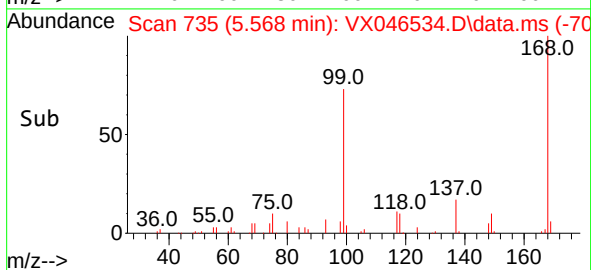
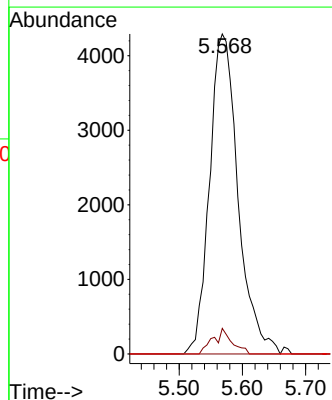
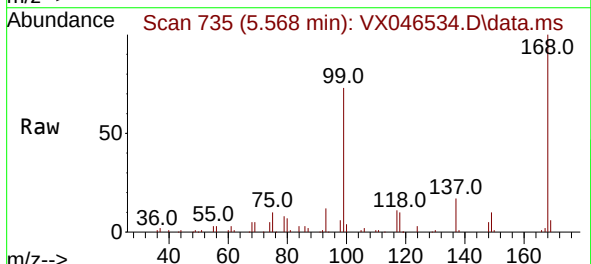
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

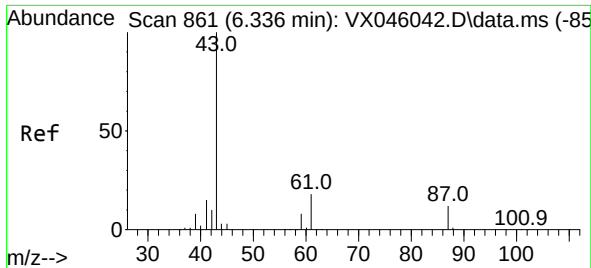
Tgt Ion: 43 Resp: 7503
Ion Ratio Lower Upper
43 100
61 13.2 10.3 15.5
70 10.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 117 Resp: 13428
Ion Ratio Lower Upper
117 100
119 8.0 75.2 112.8#
121 0.0 24.2 36.4#

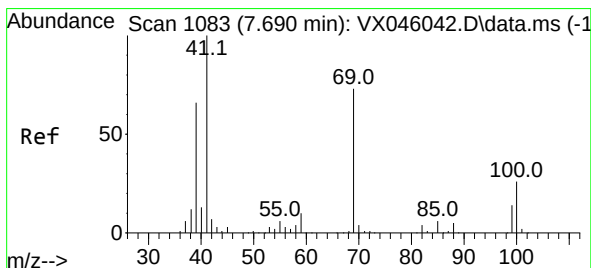
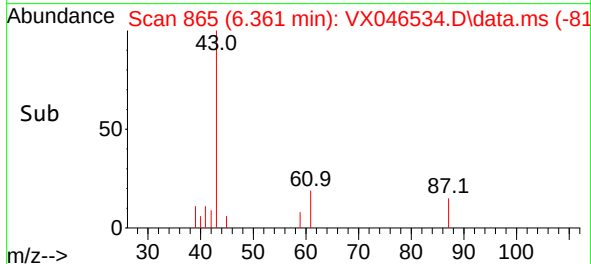
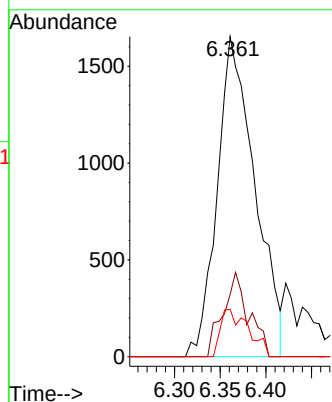
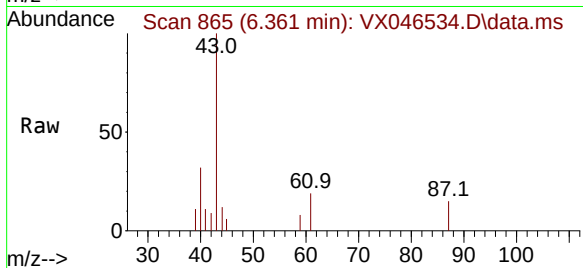




#43
Isopropyl Acetate
Concen: 1.158 ug/l
RT: 6.361 min Scan# 80
Delta R.T. 0.007 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

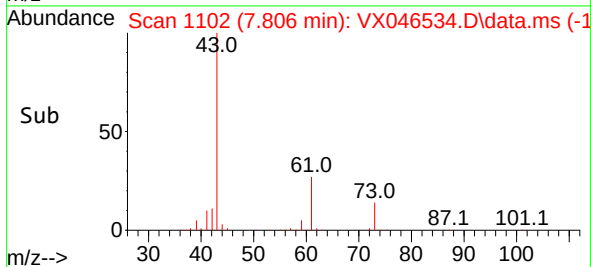
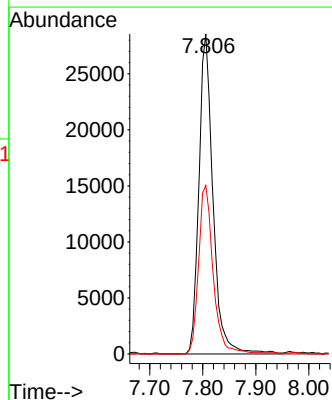
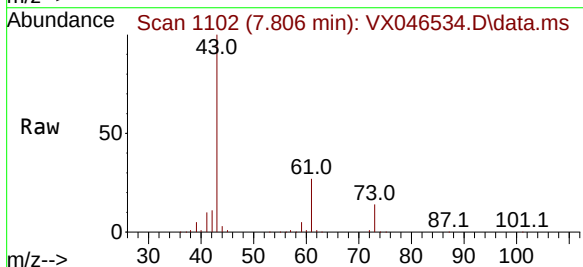
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

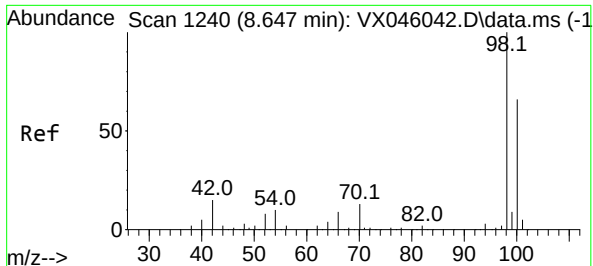
Tgt Ion:	43	Resp:	4734
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	10.9	9.5	14.3



#48
Methyl methacrylate
Concen: 25.034 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion:	41	Resp:	52641
Ion	Ratio	Lower	Upper
41	100		
69	0.0	58.5	87.7#
39	54.8	51.7	77.5

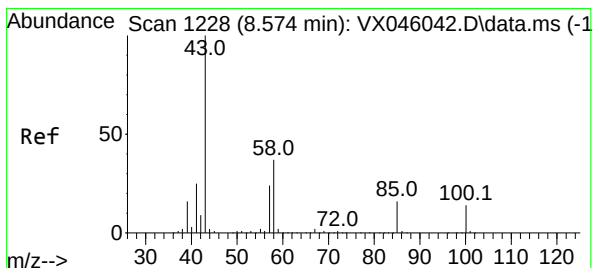
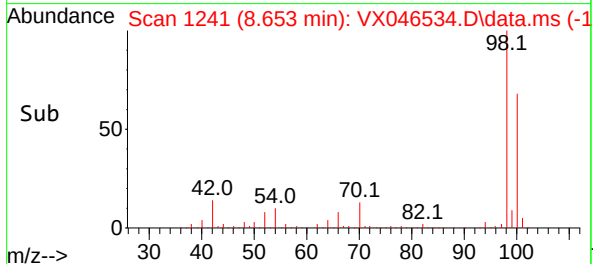
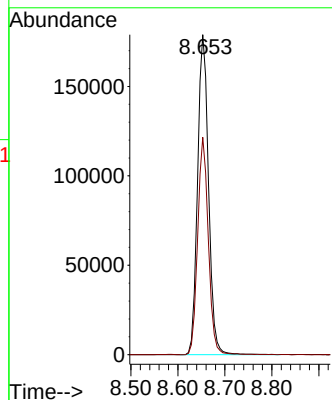
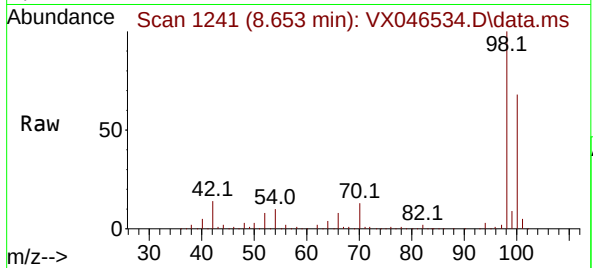




#50
Toluene-d8
Concen: 52.513 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

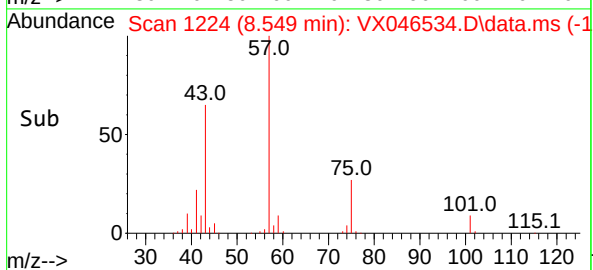
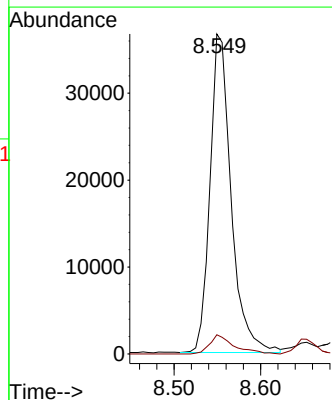
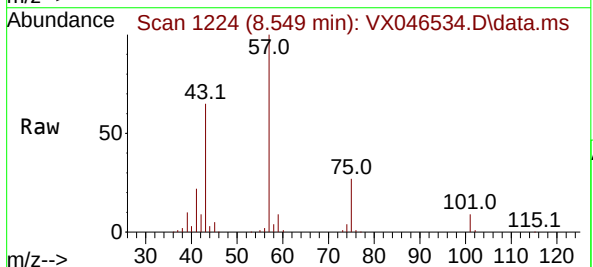
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

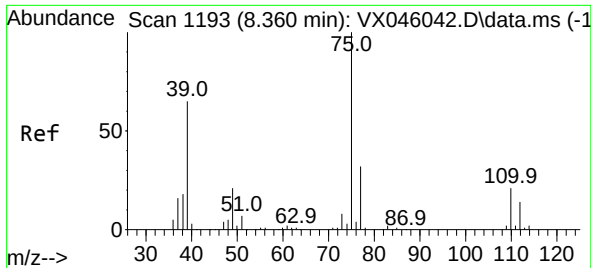
Tgt Ion: 98 Resp: 291127
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.931 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 43 Resp: 62152
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

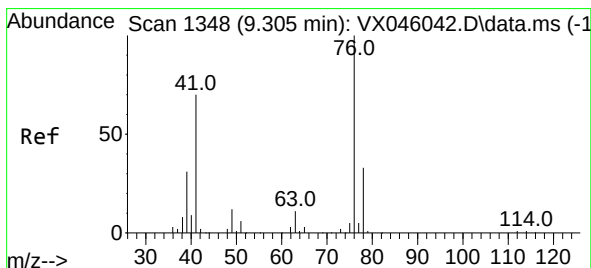
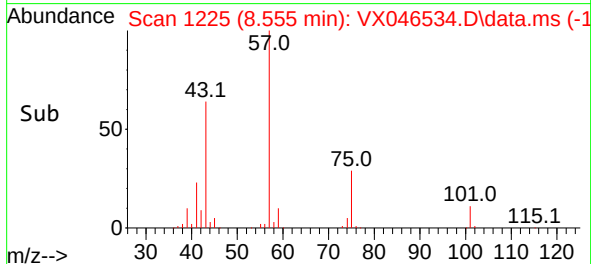
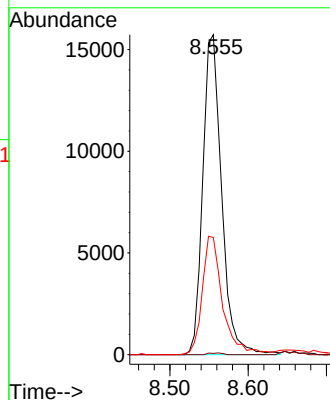
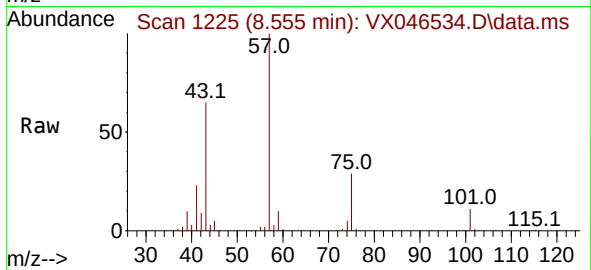




#54
 cis-1,3-Dichloropropene
 Concen: 9.757 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046534.D
 Acq: 06 Jun 2025 17:43

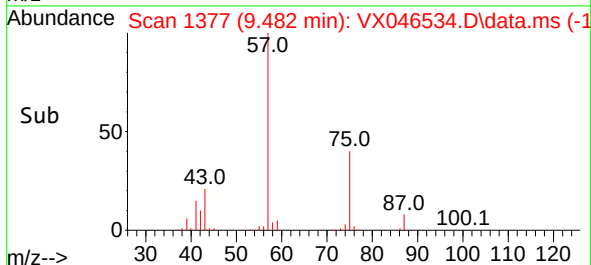
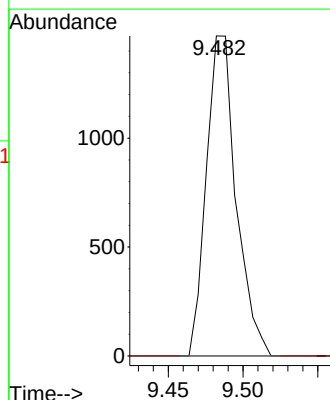
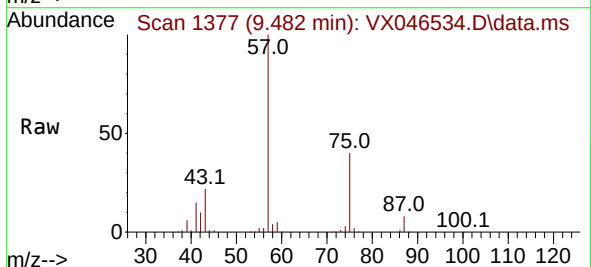
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-01

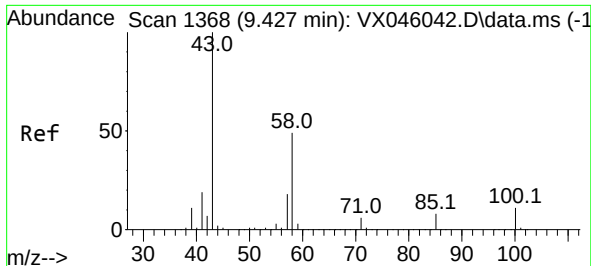
Tgt Ion: 75 Resp: 26260
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 36.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.692 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046534.D
 Acq: 06 Jun 2025 17:43

Tgt Ion: 76 Resp: 2040
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

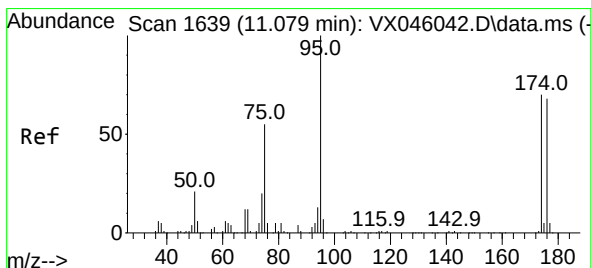
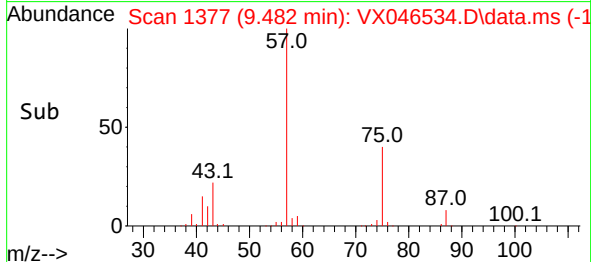
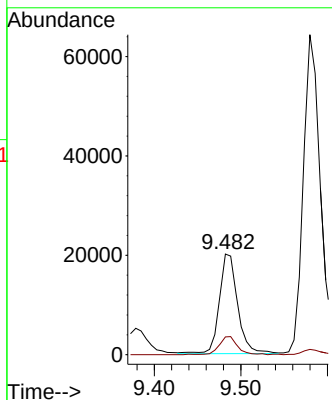
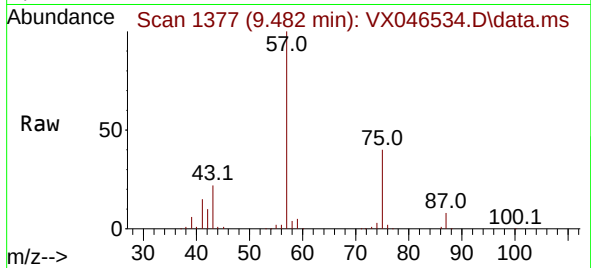




#59
2-Hexanone
Concen: 15.895 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

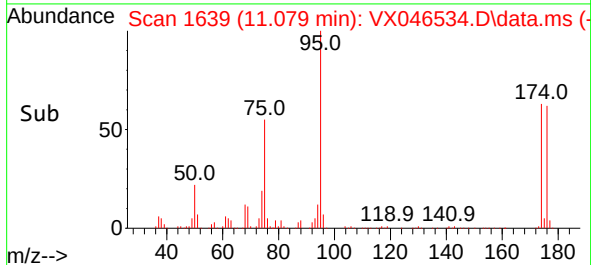
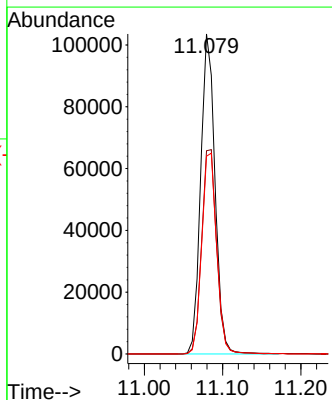
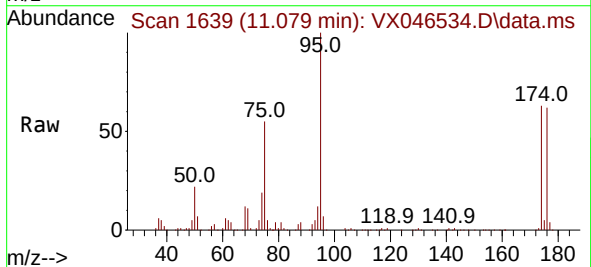
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

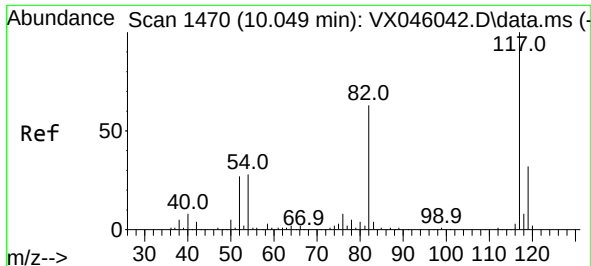
Tgt Ion: 43 Resp: 29606
Ion Ratio Lower Upper
43 100
58 18.4 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 57.336 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 95 Resp: 131515
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 65.6 0.0 131.4

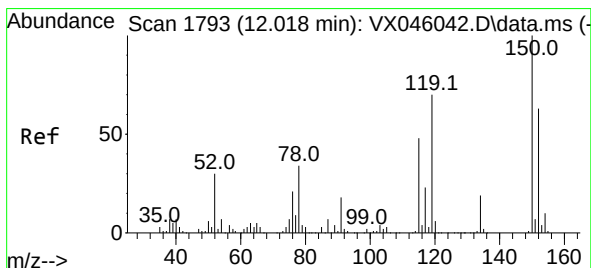
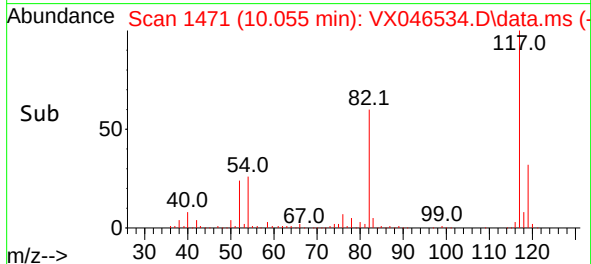
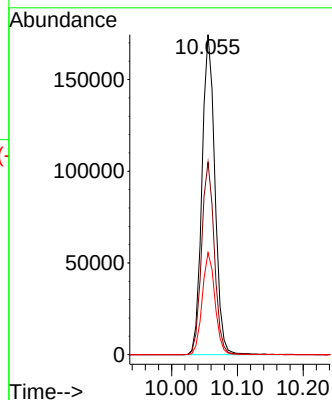
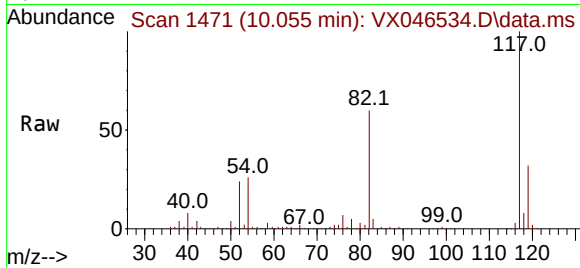




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

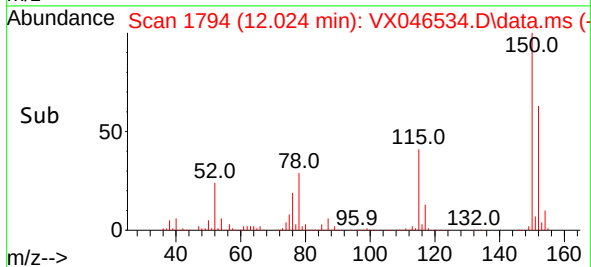
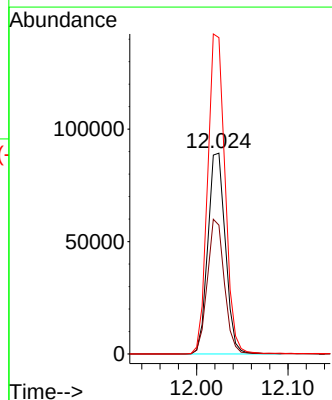
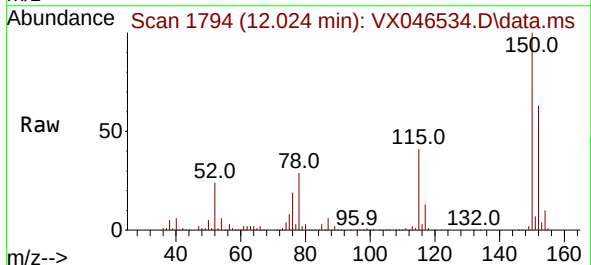
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

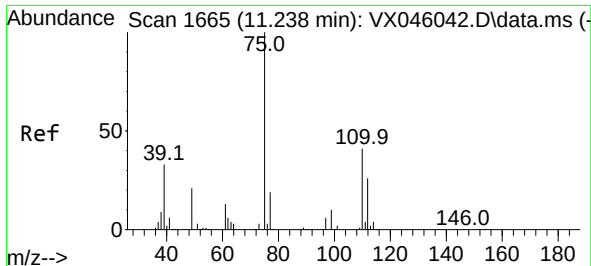
Tgt Ion:117 Resp: 237985
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion:152 Resp: 118800
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 158.5 0.0 351.0

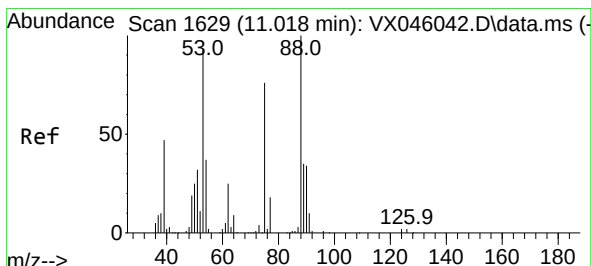
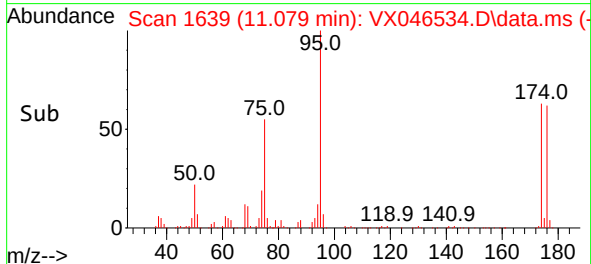
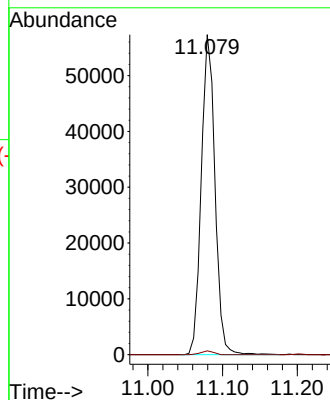
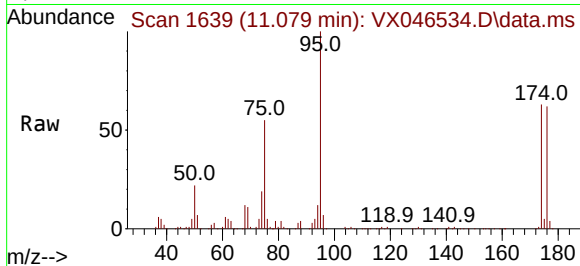




#76
1,2,3-Trichloropropane
Concen: 28.964 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-01

Tgt Ion: 75 Resp: 72884
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.551 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046534.D
Acq: 06 Jun 2025 17:43

Tgt Ion: 75 Resp: 72884
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

