

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046577.D
 Acq On : 09 Jun 2025 14:23
 Operator : JC/MD
 Sample : Q2244-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP03-MHC

Quant Time: Jun 10 01:43:40 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)

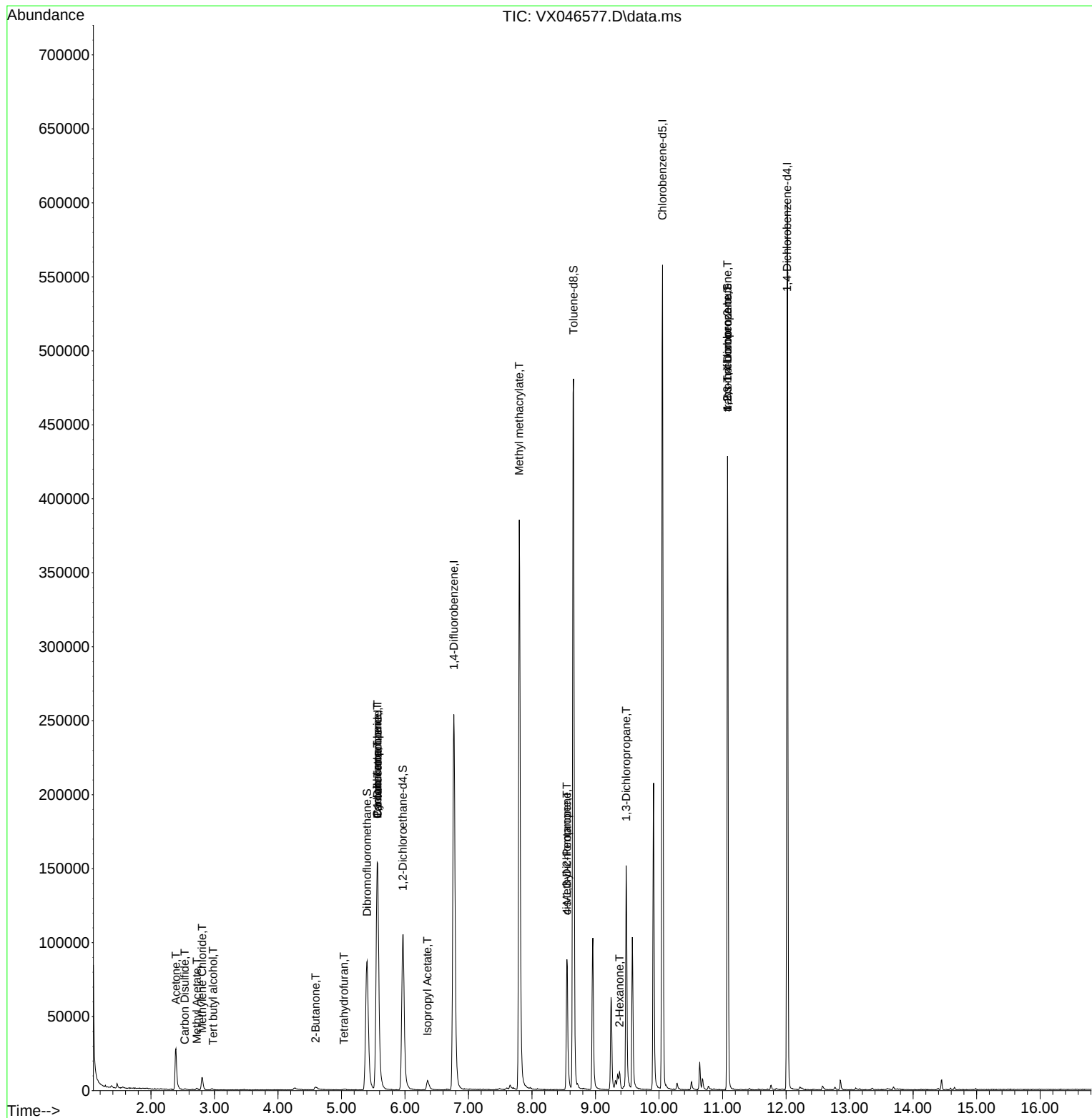
Internal Standards						
1) Pentafluorobenzene	5.568	168	144269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	261183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113159	44.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.180%
35) Dibromofluoromethane	5.403	113	81570	42.468	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.940%
50) Toluene-d8	8.653	98	290791	45.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.840%
62) 4-Bromofluorobenzene	11.079	95	113910	43.477	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	435	1.527	ug/l #	72
16) Acetone	2.392	43	35814	39.474	ug/l	98
17) Carbon Disulfide	2.532	76	19	0.208	ug/l #	76
18) Methyl Acetate	2.721	43	1645	0.538	ug/l	94
20) Methylene Chloride	2.806	84	4147	2.014	ug/l	90
25) 2-Butanone	4.593	43	5437	3.805	ug/l #	88
29) Tetrahydrofuran	5.038	42	278	0.308	ug/l #	35
31) Cyclohexane	5.562	56	3742	1.254	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	13281	4.841	ug/l #	51
38) Carbon Tetrachloride	5.568	117	16702	5.435	ug/l #	18
43) Isopropyl Acetate	6.354	43	10112	2.166	ug/l	96
48) Methyl methacrylate	7.799	41	38045	15.840	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	35283	11.894	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	14534	4.728	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	1301	0.386	ug/l #	42
59) 2-Hexanone	9.378	43	11022	5.181	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	61016	25.155	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	61016	72.562	ug/l #	1

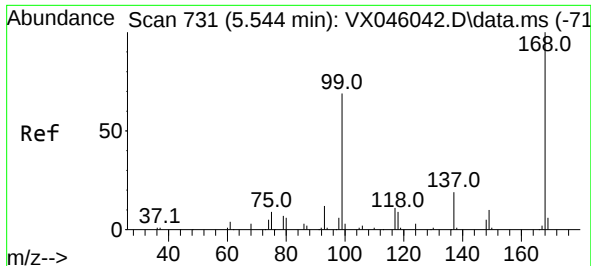
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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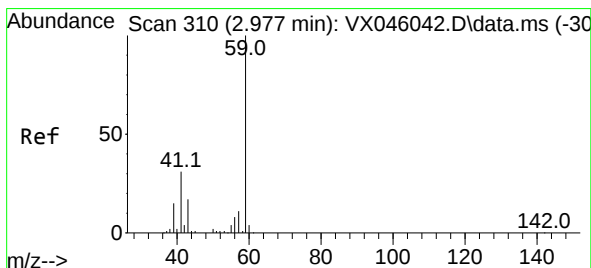
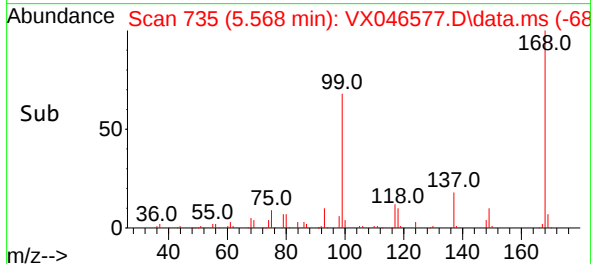
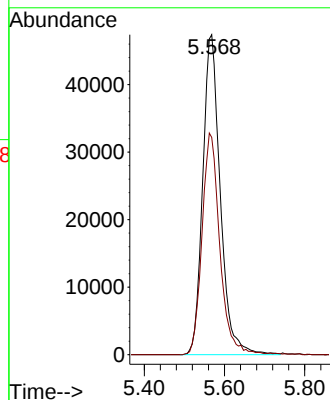
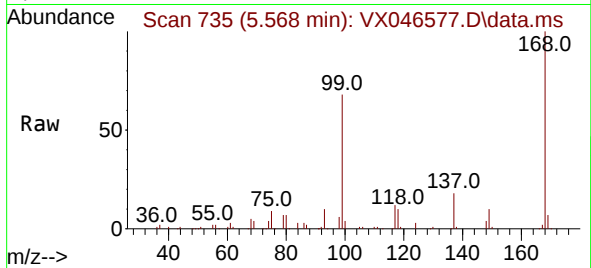




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

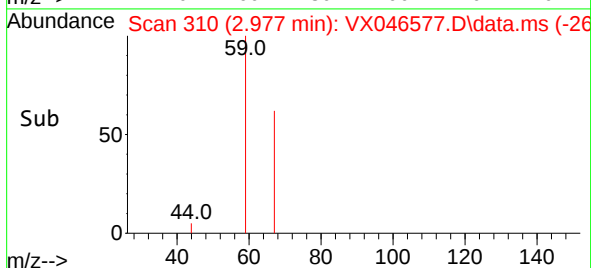
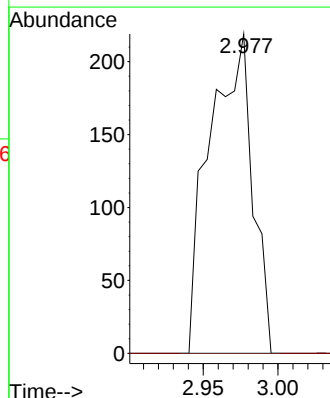
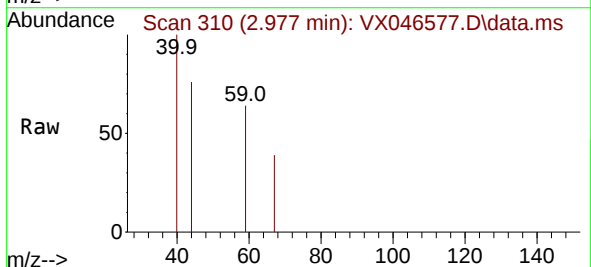
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

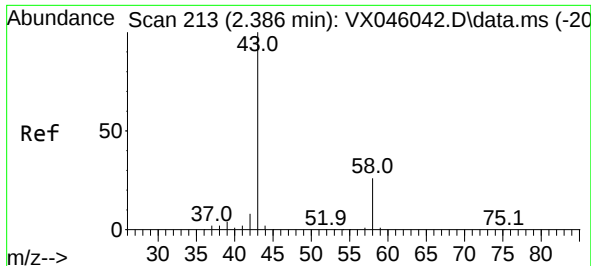
Tgt Ion:168 Resp: 144269
Ion Ratio Lower Upper
168 100
99 67.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.527 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

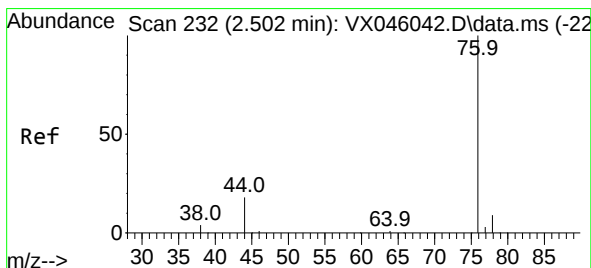
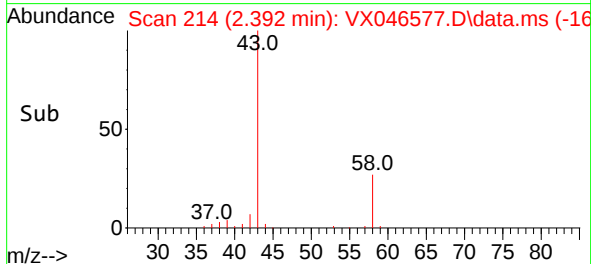
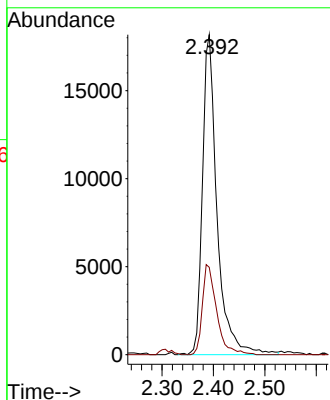
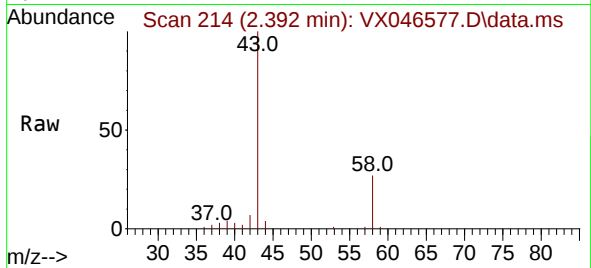




#16
Acetone
Concen: 39.474 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

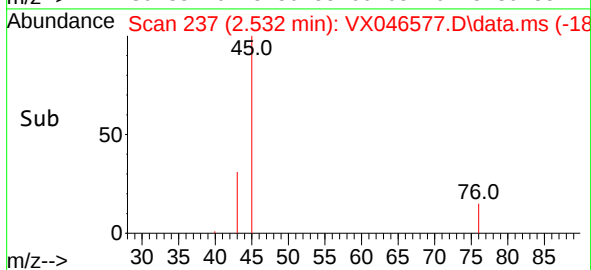
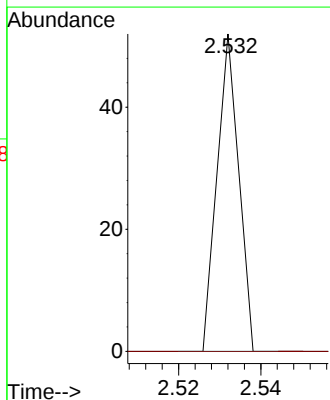
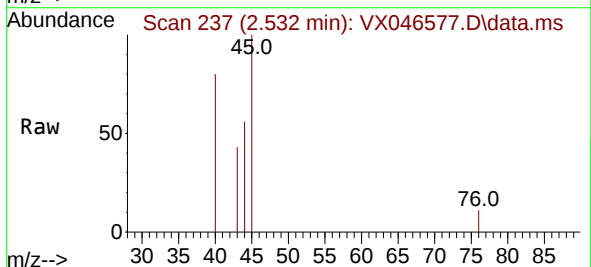
Instrument :
MSVOA_X
ClientSampleId :
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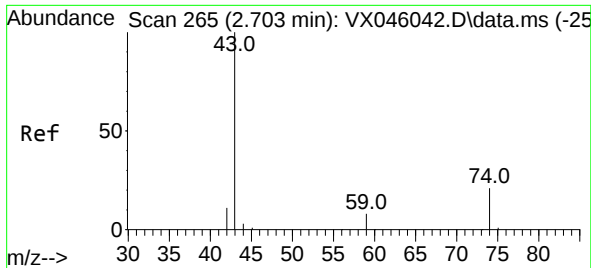
Tgt Ion: 43 Resp: 35814
Ion Ratio Lower Upper
43 100
58 27.3 21.2 31.8



#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

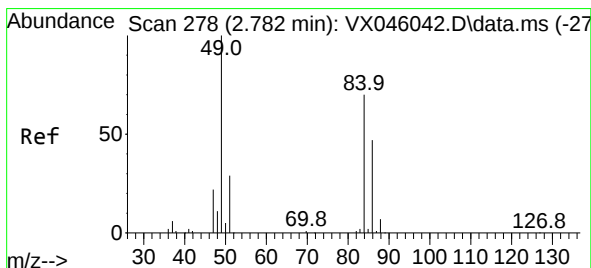
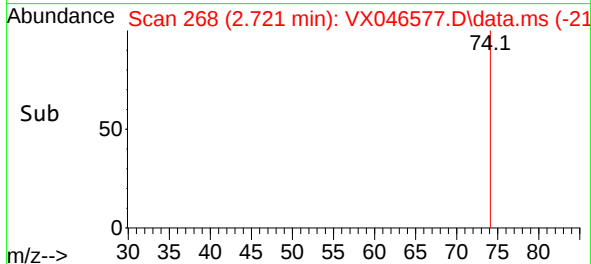
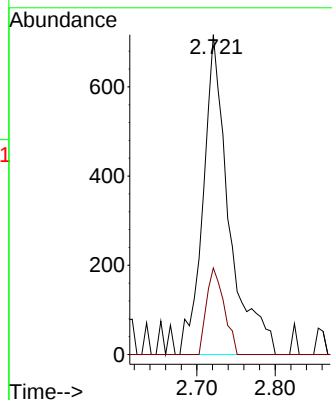
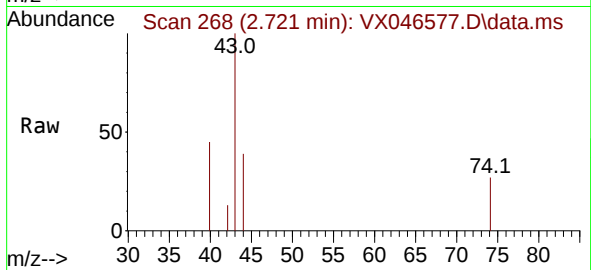




#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

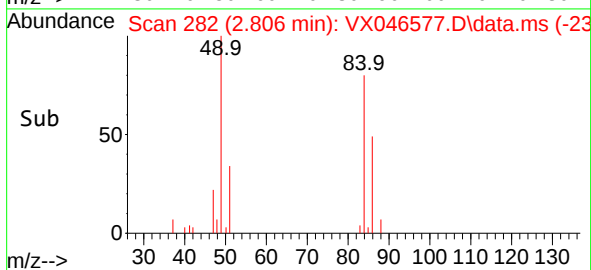
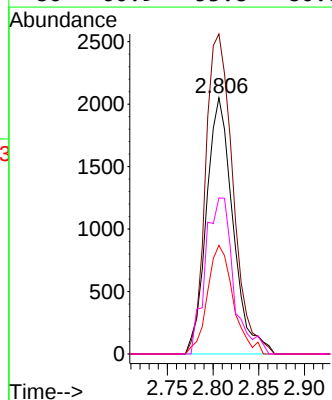
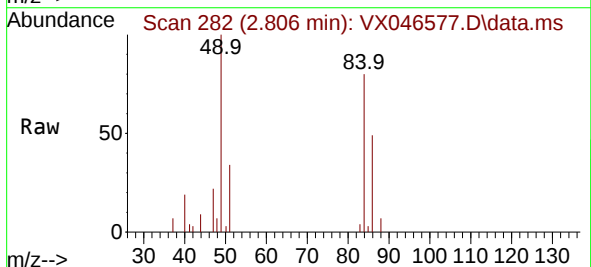
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

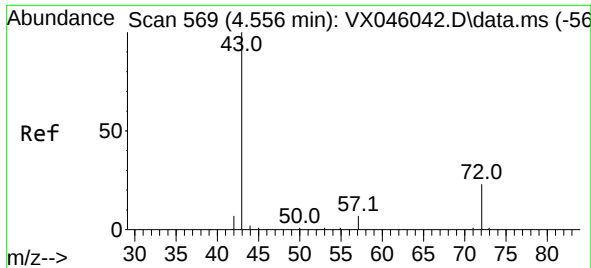
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
74 18.2 16.7 25.1



#20
Methylene Chloride
Concen: 2.014 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 84 Resp: 4147
Ion Ratio Lower Upper
84 100
49 124.9 113.9 170.9
51 42.4 33.5 50.3
86 60.9 53.8 80.8

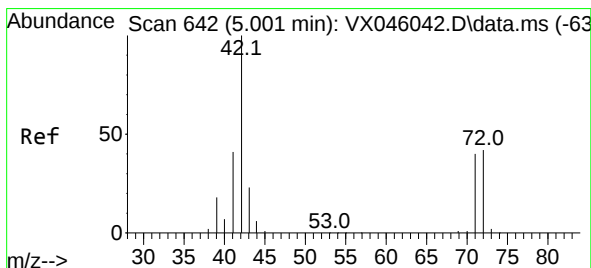
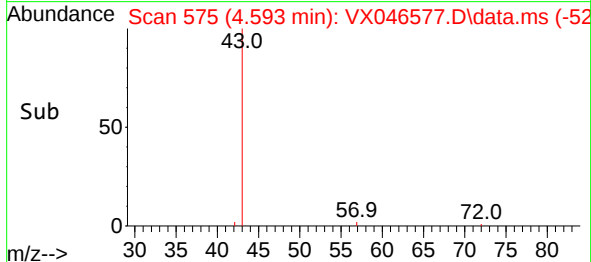
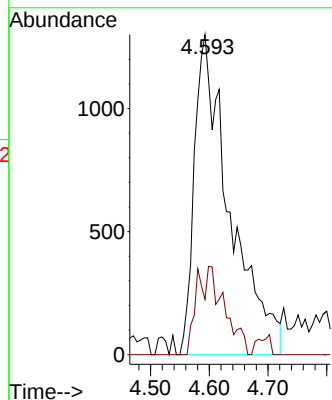
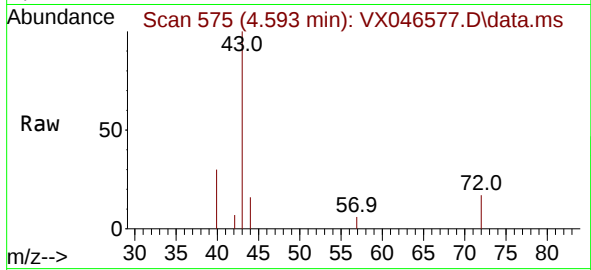




#25
2-Butanone
Concen: 3.805 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

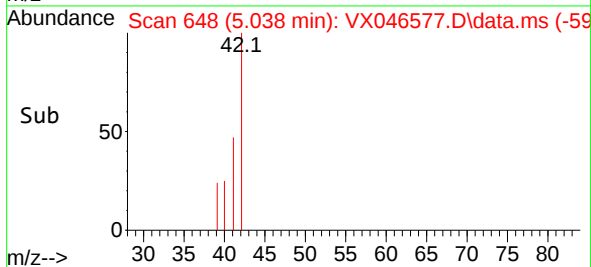
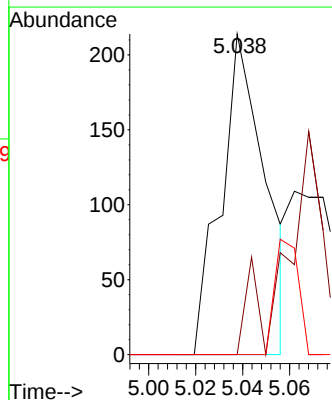
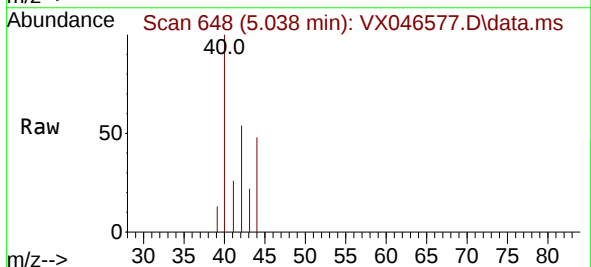
Instrument :
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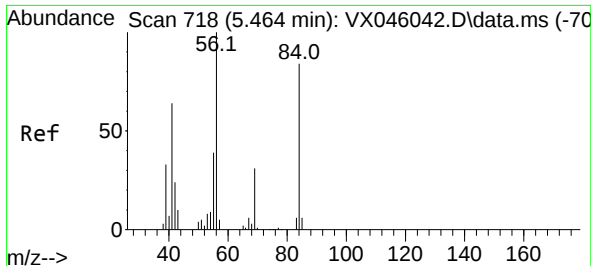
Tgt Ion: 43 Resp: 5437
Ion Ratio Lower Upper
43 100
72 17.3 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.308 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

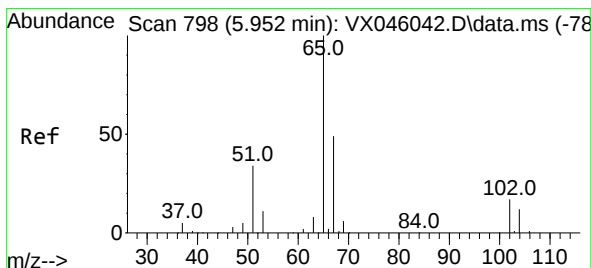
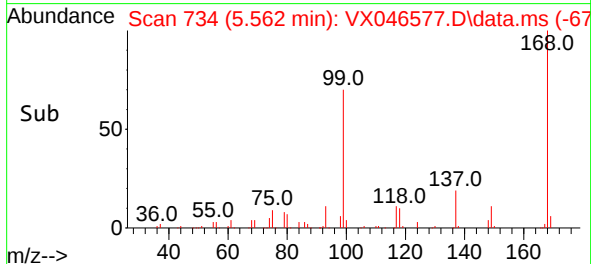
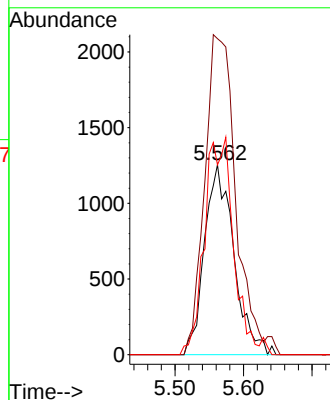
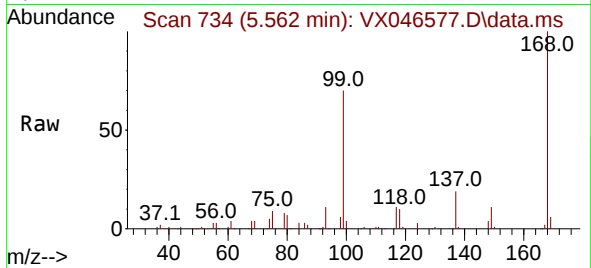




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

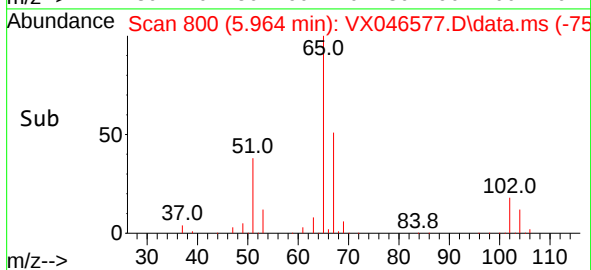
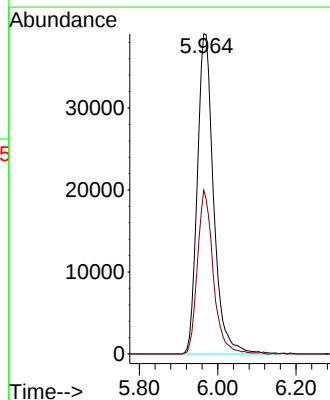
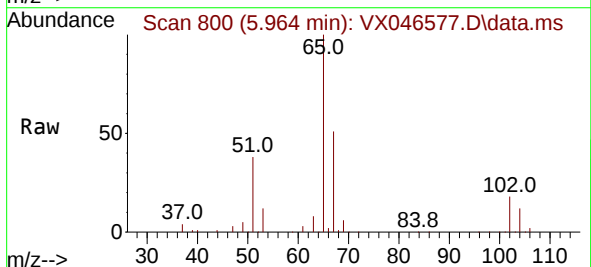
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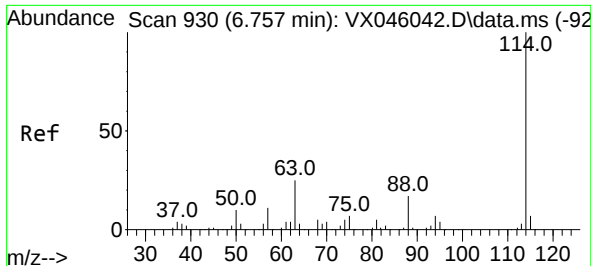
Tgt Ion: 56 Resp: 3742
Ion Ratio Lower Upper
56 100
69 166.2 24.4 36.6#
84 99.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 44.087 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 65 Resp: 113159
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

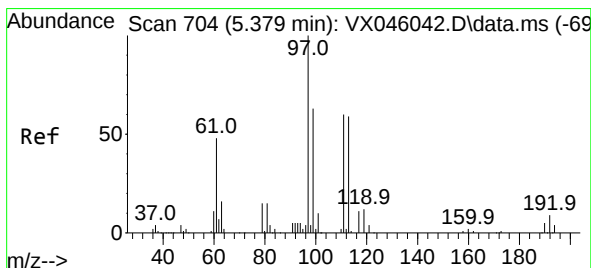
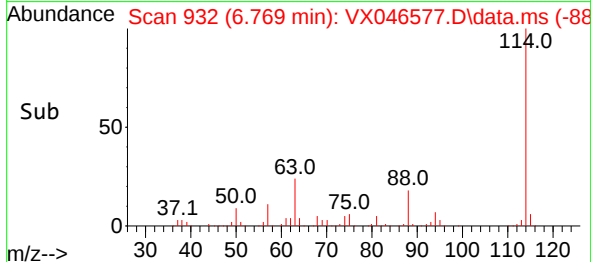
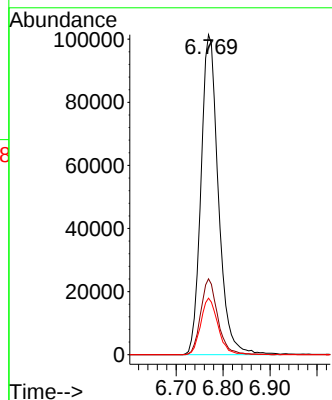
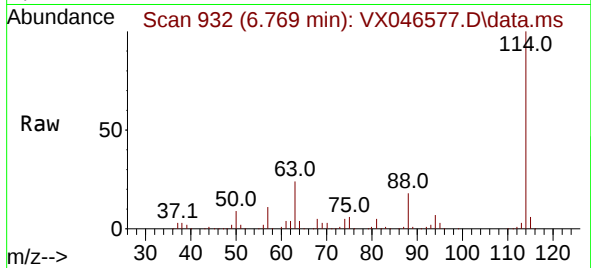




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX046577.D
 Acq: 09 Jun 2025 14:23

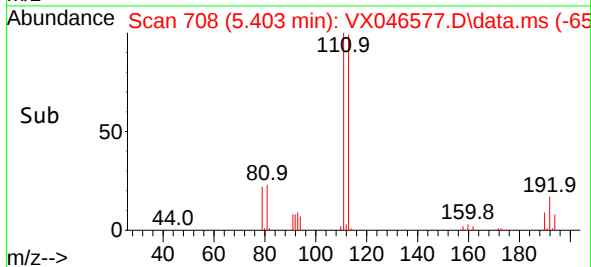
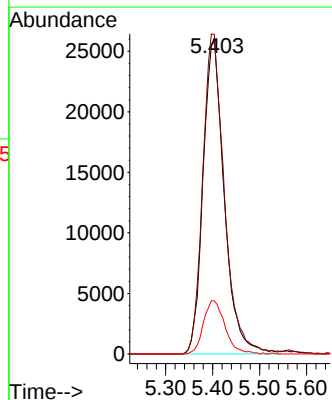
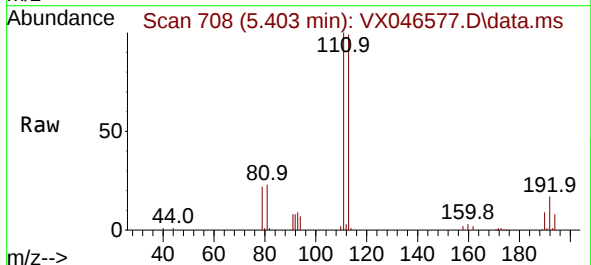
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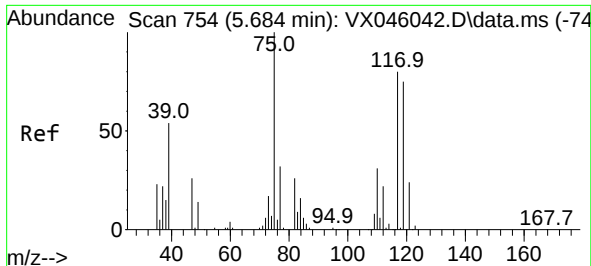
Tgt Ion:114 Resp: 261183
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 42.468 ug/l
 RT: 5.403 min Scan# 708
 Delta R.T. 0.000 min
 Lab File: VX046577.D
 Acq: 09 Jun 2025 14:23

Tgt Ion:113 Resp: 81570
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 17.2 13.3 19.9

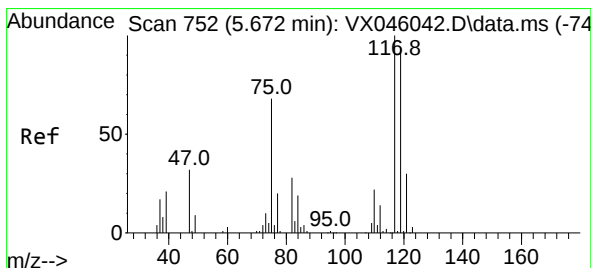
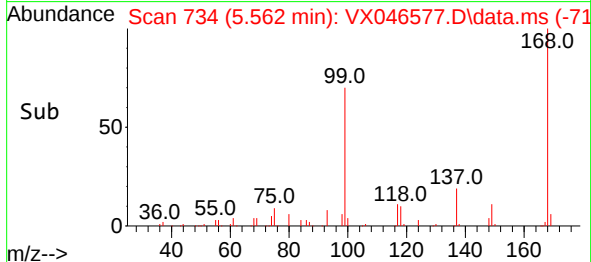
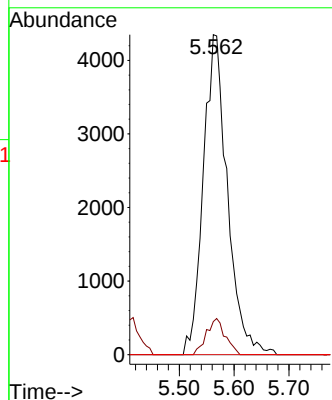
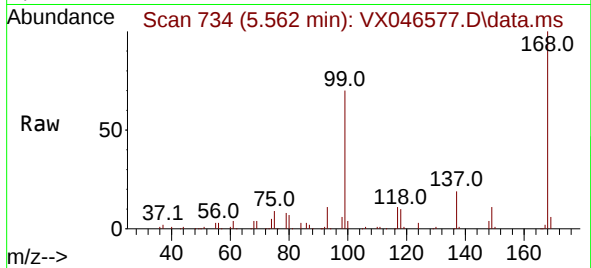




#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

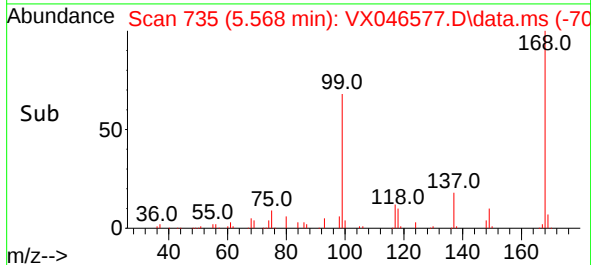
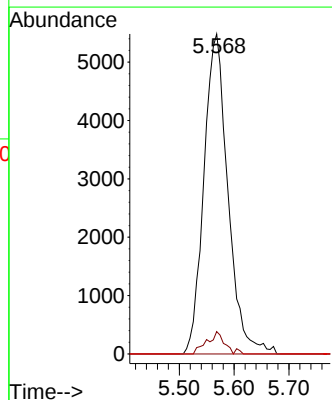
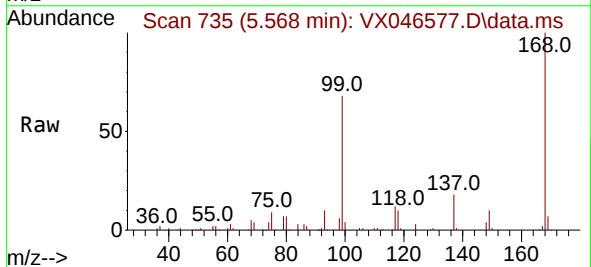
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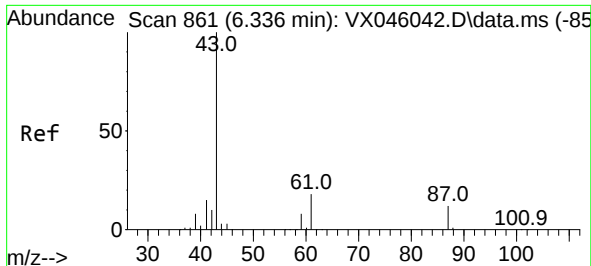
Tgt Ion: 75 Resp: 13281
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.435 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 117 Resp: 16702
Ion Ratio Lower Upper
117 100
119 7.0 75.2 112.8#
121 0.0 24.2 36.4#

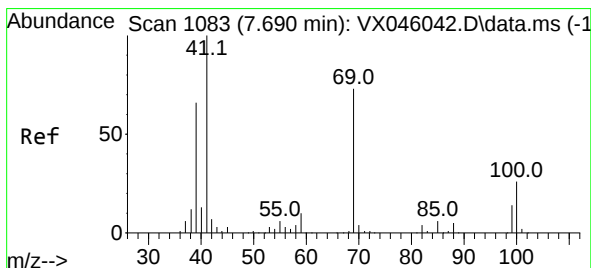
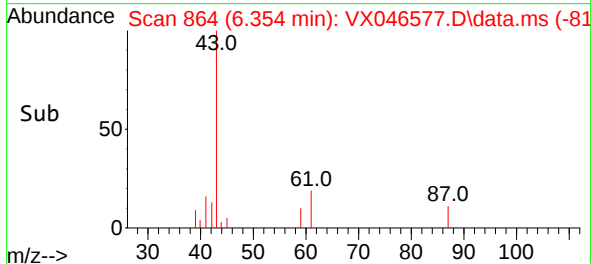
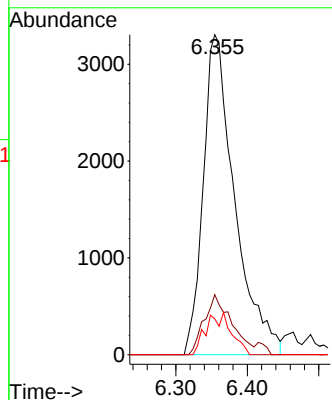
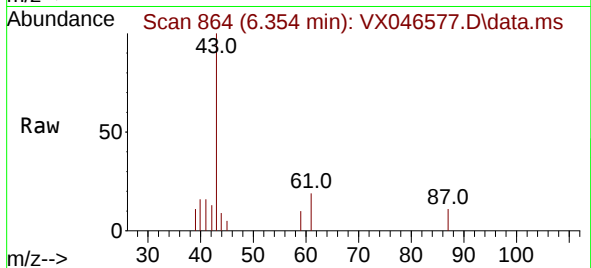




#43
Isopropyl Acetate
Concen: 2.166 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

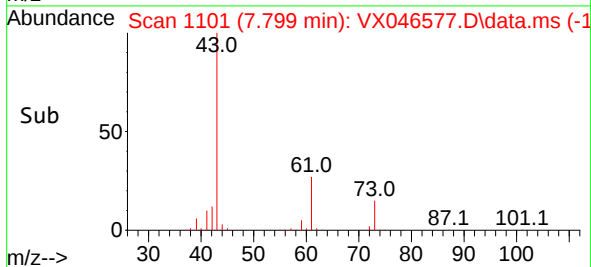
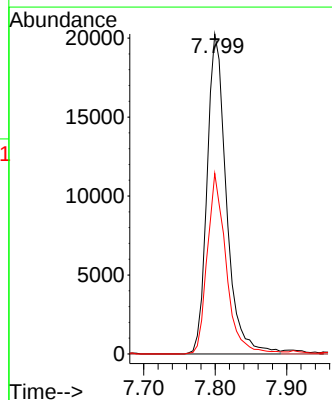
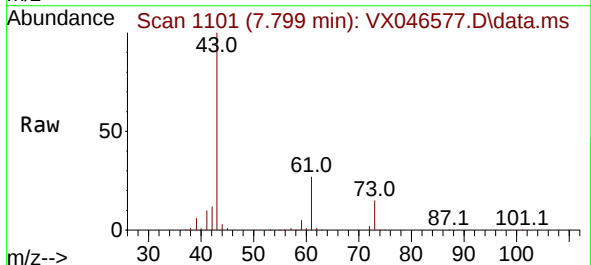
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

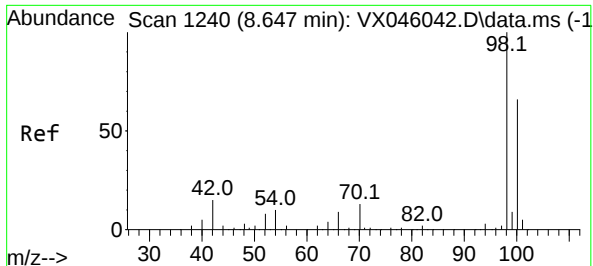
Tgt Ion: 43 Resp: 10112
Ion Ratio Lower Upper
43 100
61 16.4 14.3 21.5
87 10.5 9.5 14.3



#48
Methyl methacrylate
Concen: 15.840 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 41 Resp: 38045
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.3 51.7 77.5

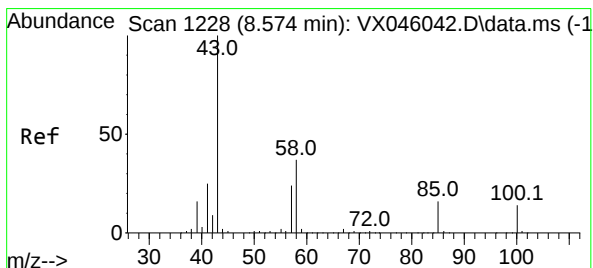
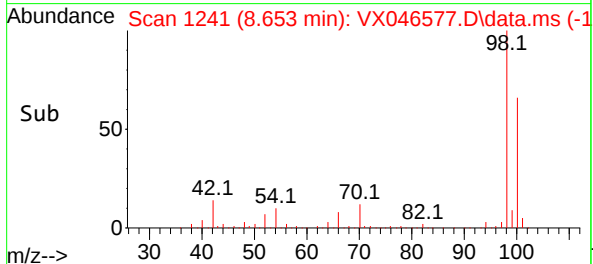
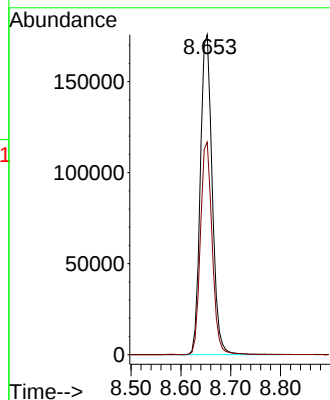
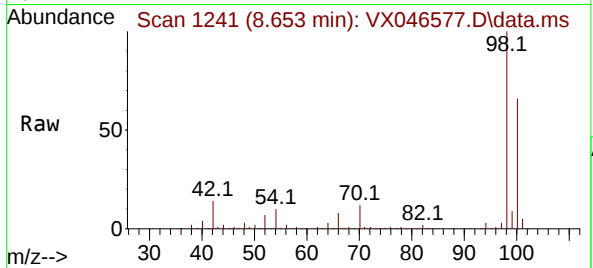




#50
Toluene-d8
Concen: 45.921 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

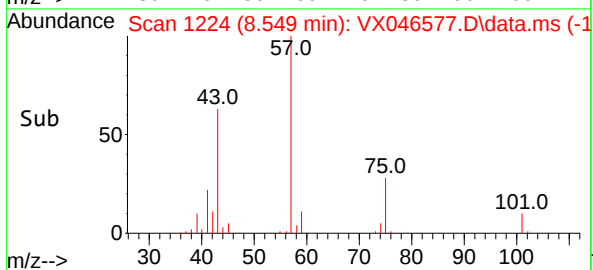
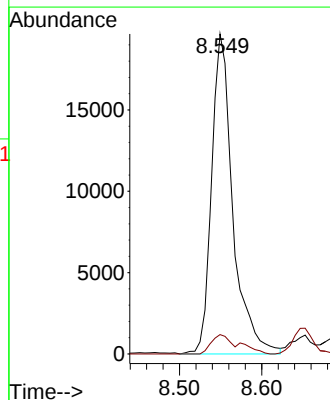
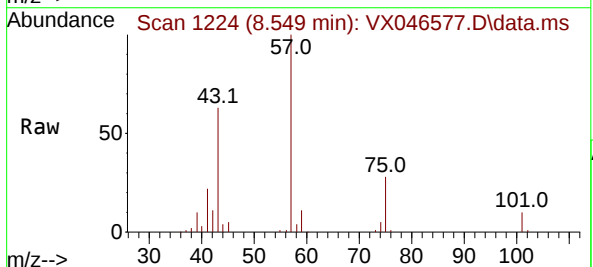
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

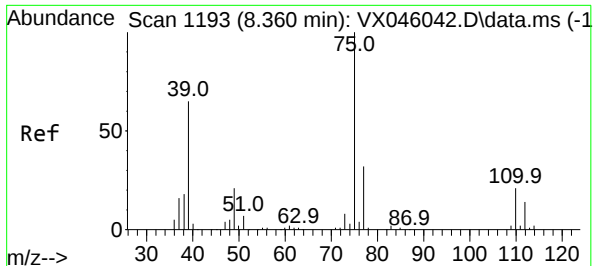
Tgt Ion: 98 Resp: 290791
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 11.894 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 43 Resp: 35283
Ion Ratio Lower Upper
43 100
58 5.4 28.9 43.3#

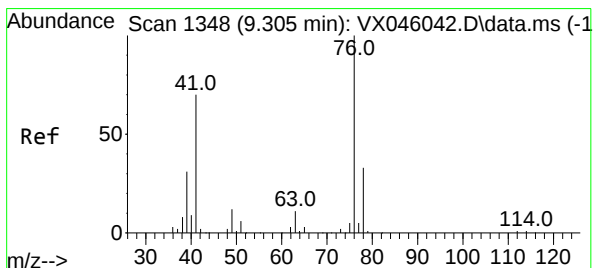
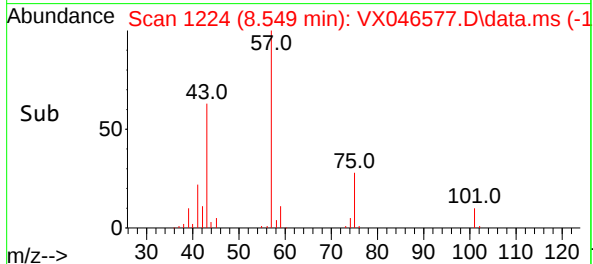
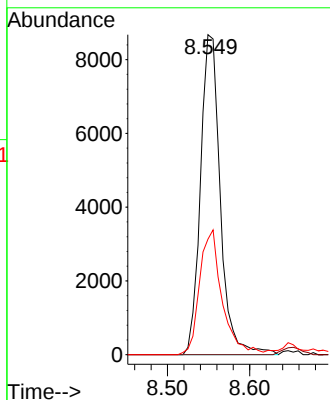
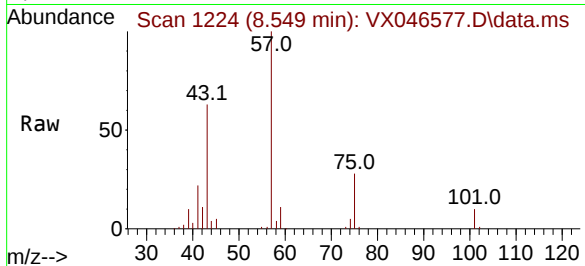




#54
 cis-1,3-Dichloropropene
 Concen: 4.728 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046577.D
 Acq: 09 Jun 2025 14:23

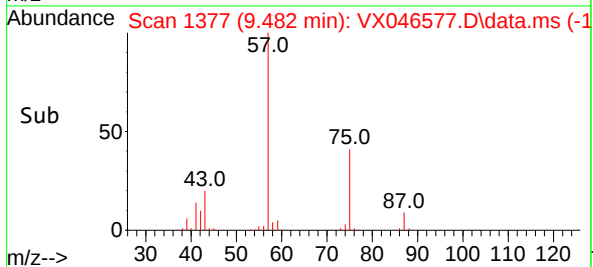
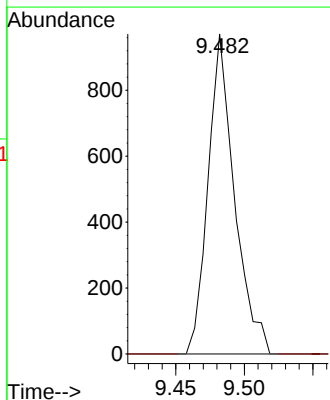
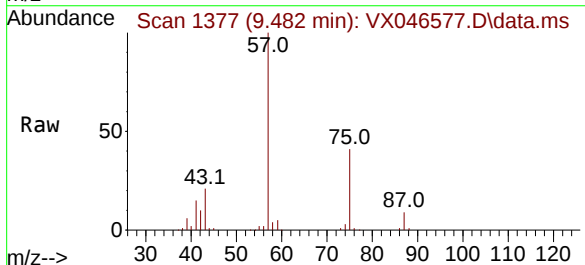
Instrument :
 MSVOA_X
 ClientSampleId :
 TP03-MHC

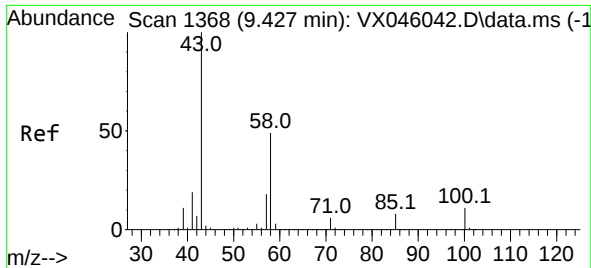
Tgt Ion: 75 Resp: 14534
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 36.1 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.386 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046577.D
 Acq: 09 Jun 2025 14:23

Tgt Ion: 76 Resp: 1301
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

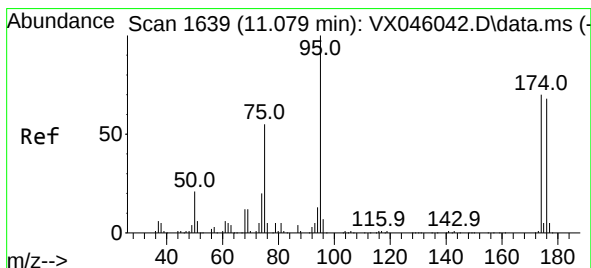
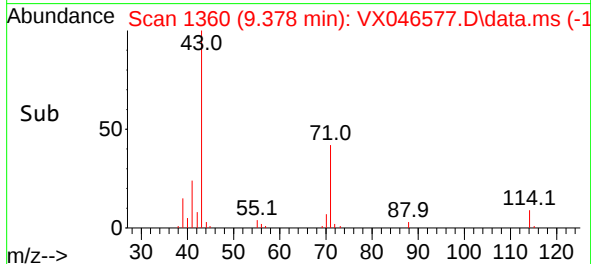
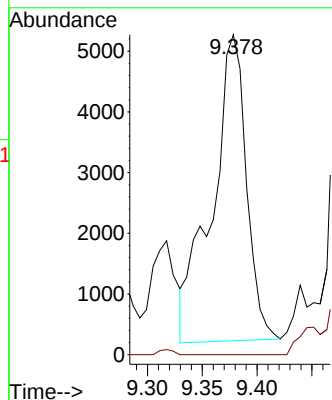
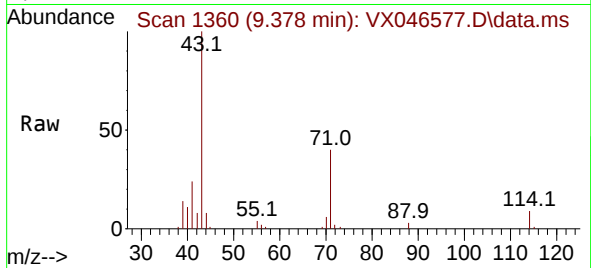




#59
2-Hexanone
Concen: 5.181 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

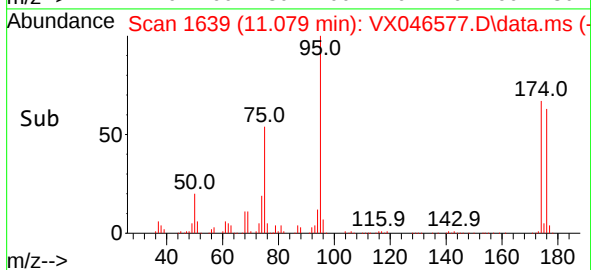
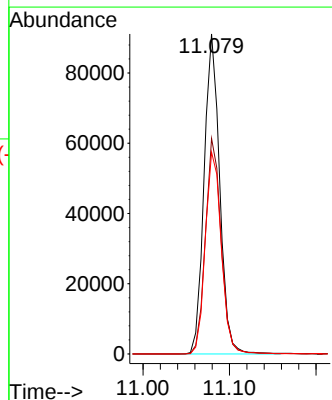
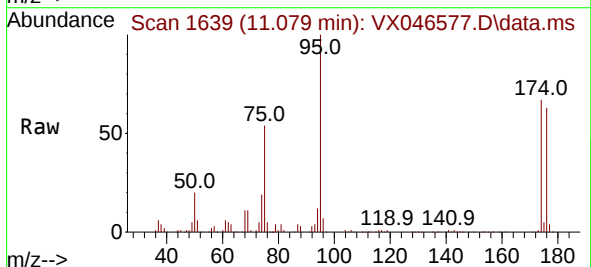
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

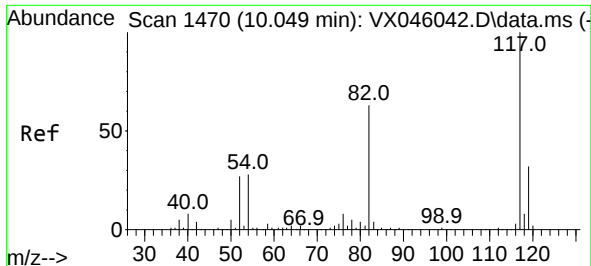
Tgt Ion: 43 Resp: 11022
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 43.477 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 95 Resp: 113910
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 65.0 0.0 131.4

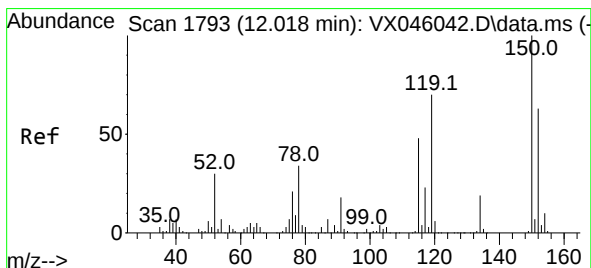
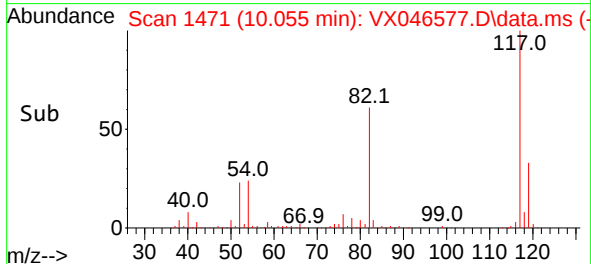
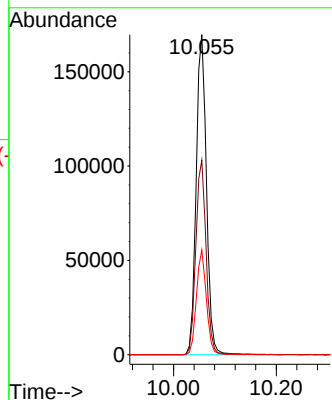
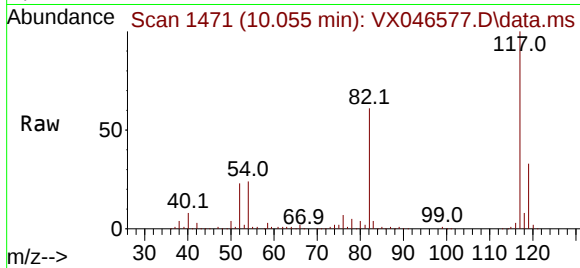




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

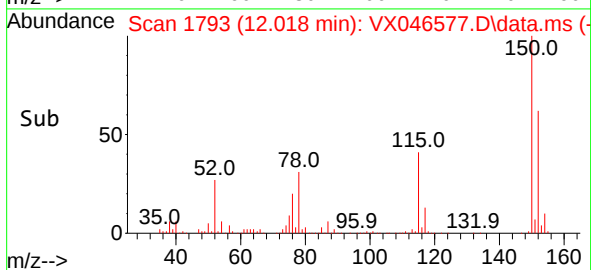
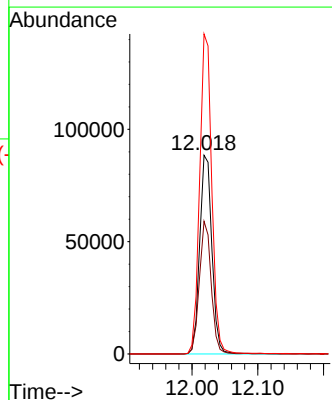
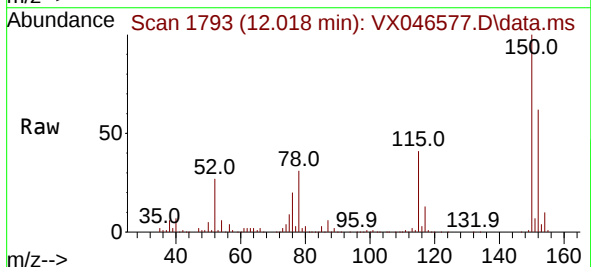
Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

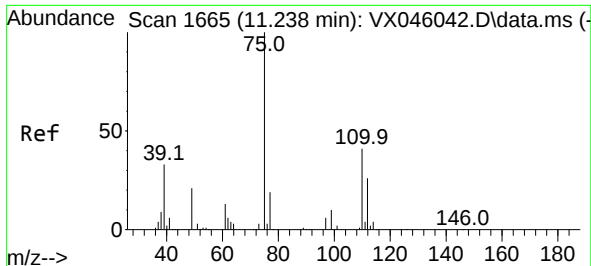
Tgt Ion:117 Resp: 235979
Ion Ratio Lower Upper
117 100
82 60.8 50.6 76.0
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion:152 Resp: 114518
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 159.9 0.0 351.0

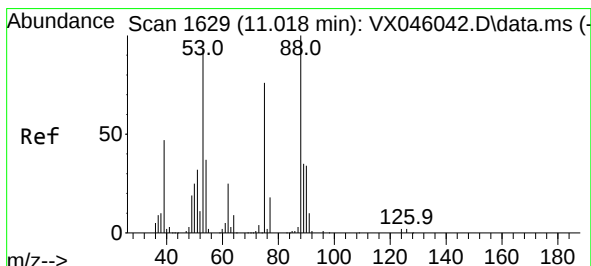
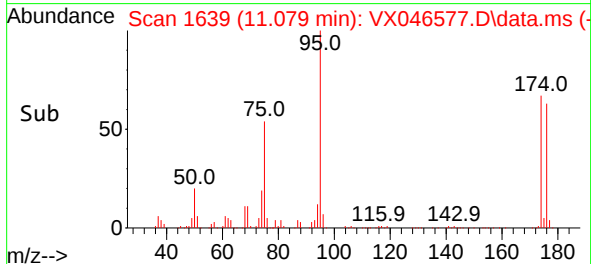
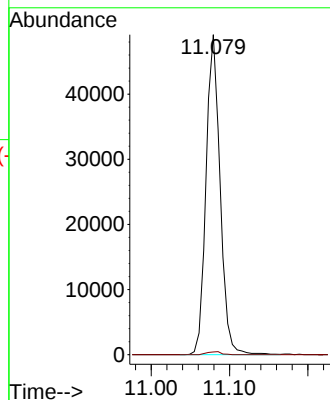
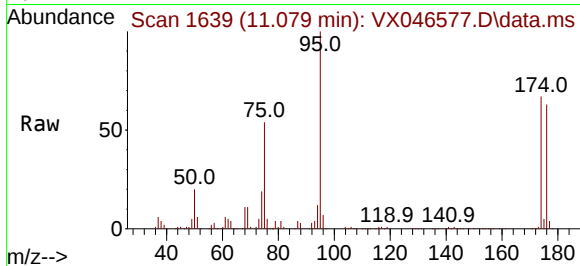




#76
1,2,3-Trichloropropane
Concen: 25.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
TP03-MHC

Tgt Ion: 75 Resp: 61016
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.562 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046577.D
Acq: 09 Jun 2025 14:23

Tgt Ion: 75 Resp: 61016
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

