

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046262.D
 Acq On : 19 May 2025 13:03
 Operator : JC/MD
 Sample : Q2057-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-L

Quant Time: May 19 23:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

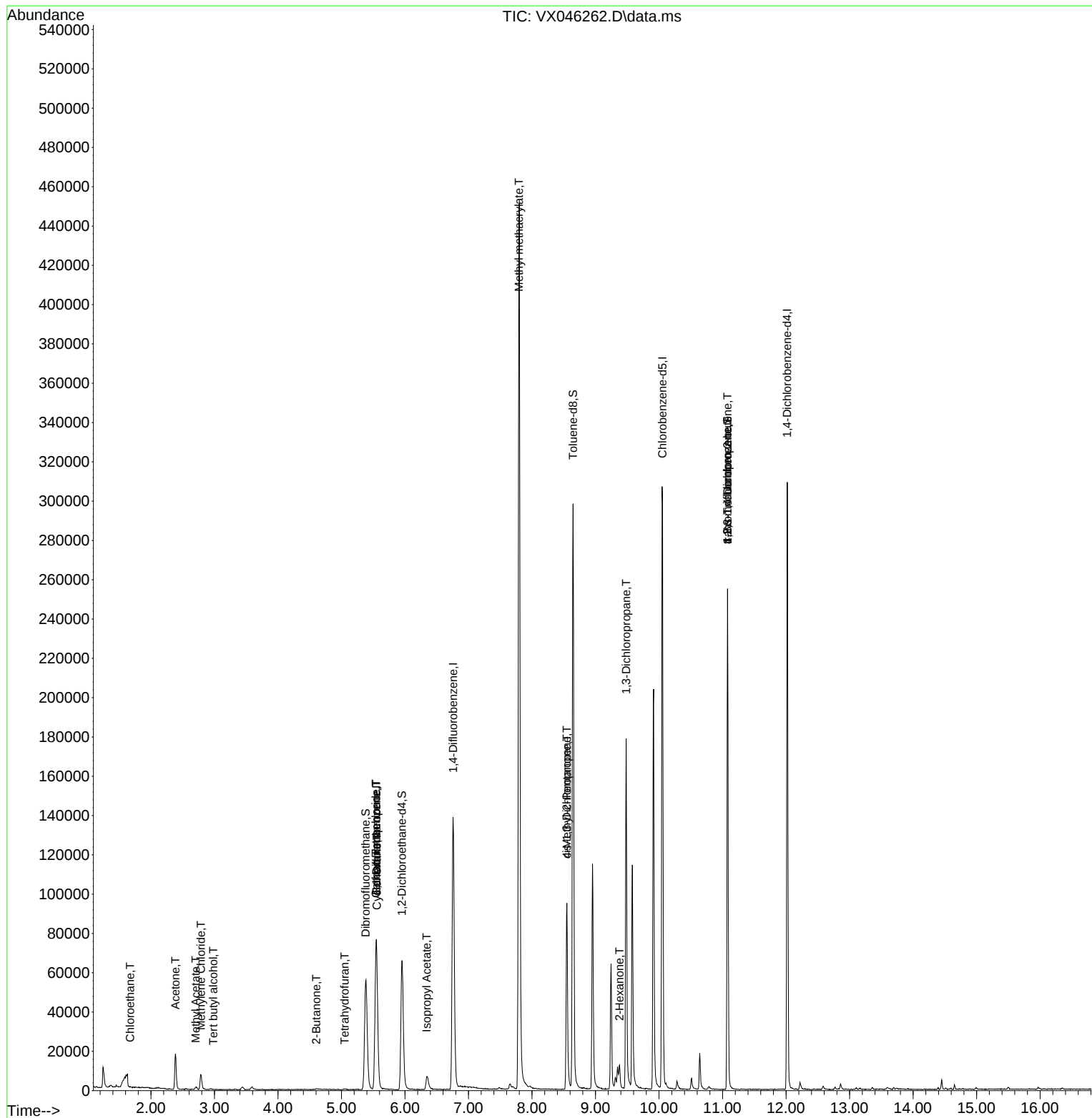
Internal Standards						
1) Pentafluorobenzene	5.550	168	65399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67890	55.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.360%	
35) Dibromofluoromethane	5.379	113	49136	52.588	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.180%	
50) Toluene-d8	8.647	98	170036	52.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	11.079	95	65926	53.145	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.300%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	231	0.479	ug/l #	44
11) Tert butyl alcohol	2.983	59	86	0.502	ug/l #	72
16) Acetone	2.386	43	20250	41.423	ug/l	95
18) Methyl Acetate	2.703	43	1845	1.626	ug/l	95
20) Methylene Chloride	2.788	84	3800	4.056	ug/l	96
25) 2-Butanone	4.605	43	1441	2.030	ug/l #	53
29) Tetrahydrofuran	5.050	42	286	0.643	ug/l #	35
31) Cyclohexane	5.556	56	1908	1.313	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	6496	5.174	ug/l #	49
38) Carbon Tetrachloride	5.543	117	8193	5.808	ug/l #	17
43) Isopropyl Acetate	6.342	43	11047	4.669	ug/l	99
48) Methyl methacrylate	7.793	41	45315	37.499	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36203	23.050	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	14196	10.174	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1397	0.875	ug/l #	42
59) 2-Hexanone	9.378	43	11289	9.715	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37041	27.773	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37041	90.421	ug/l #	1

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

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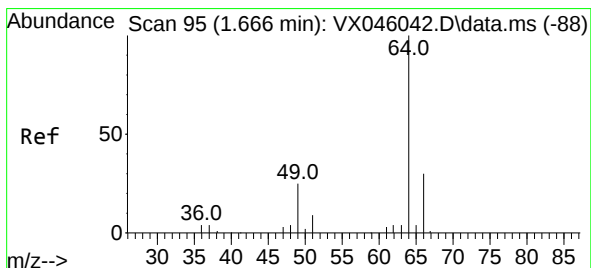
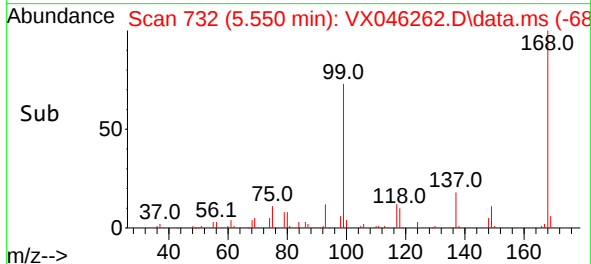
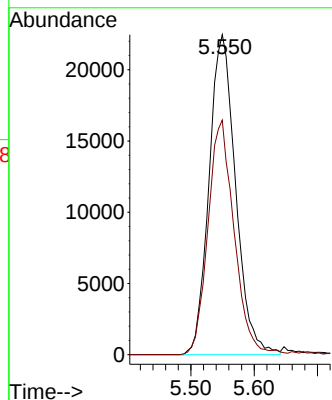
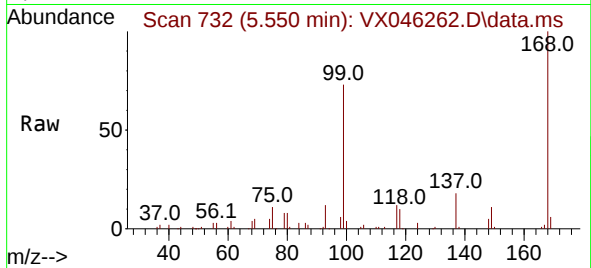




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

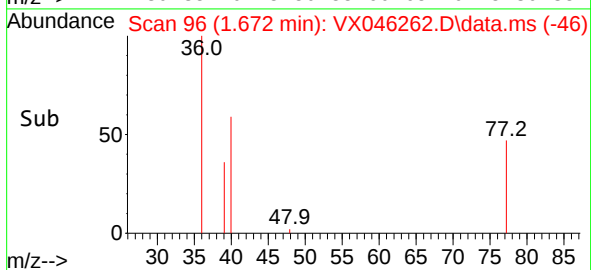
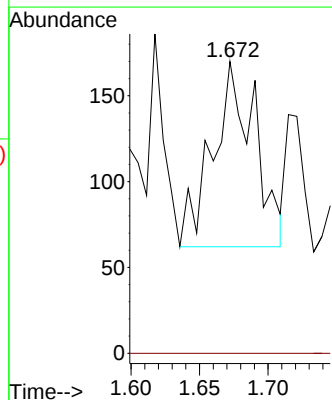
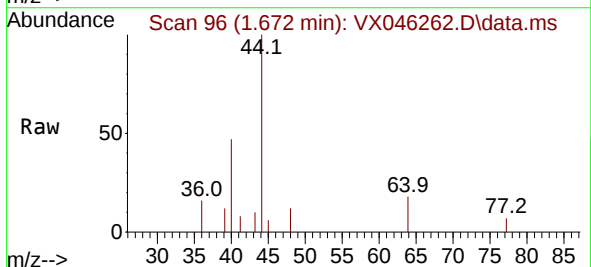
Instrument :
MSVOA_X
ClientSampleId :
MH-L

Tgt Ion:168 Resp: 65399
Ion Ratio Lower Upper
168 100
99 73.3 54.9 82.3



#6
Chloroethane
Concen: 0.479 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 64 Resp: 231
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

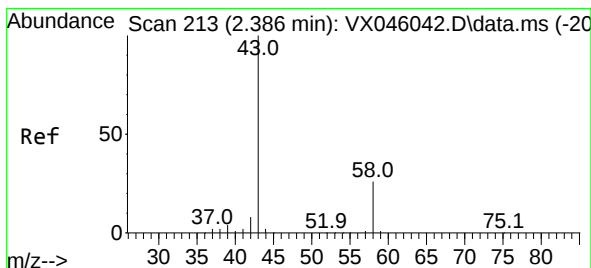
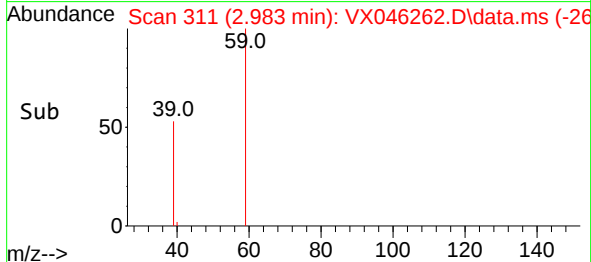
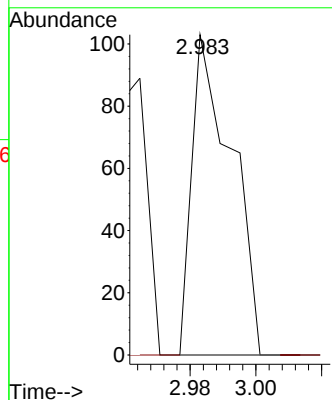
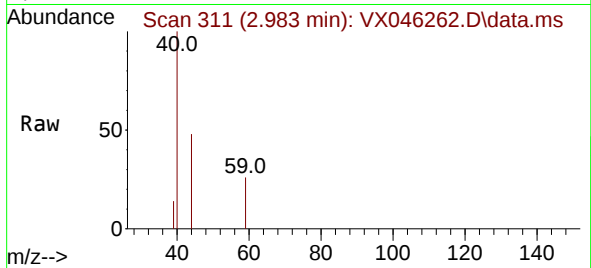




#11
Tert butyl alcohol
Concen: 0.502 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

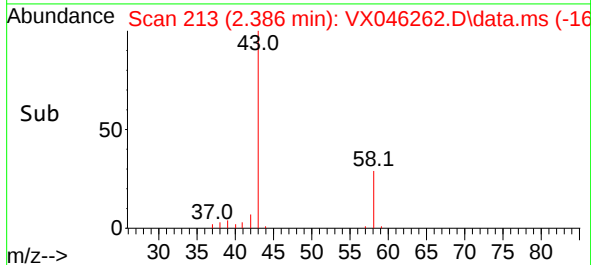
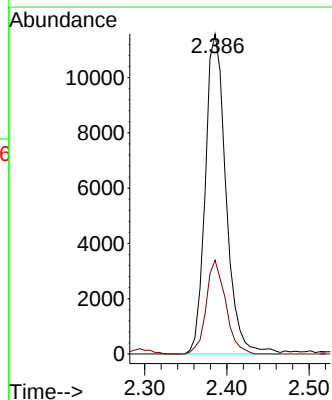
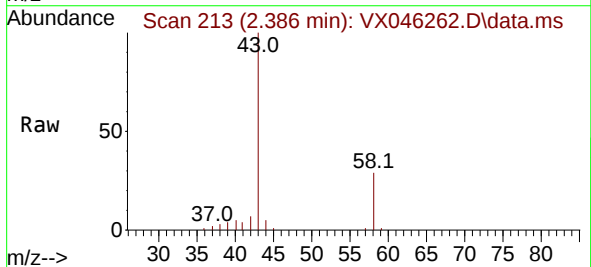
Instrument :
MSVOA_X
ClientSampleId :
MH-L

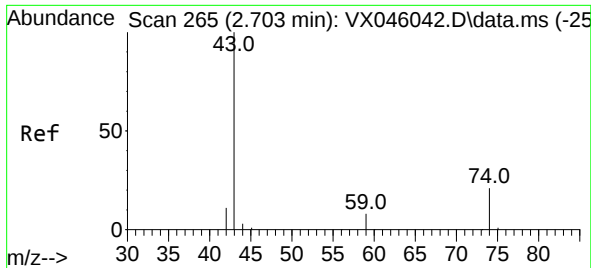
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 41.423 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 43 Resp: 20250
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8

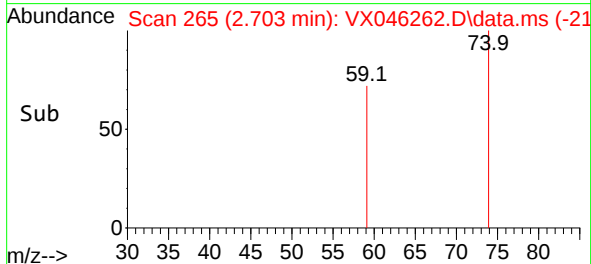
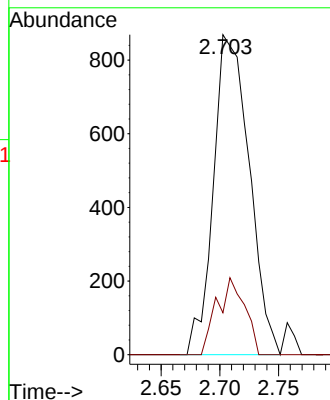
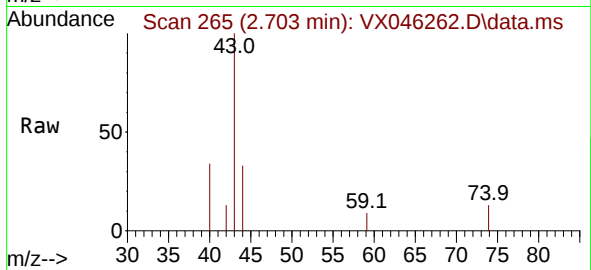




#18
Methyl Acetate
Concen: 1.626 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

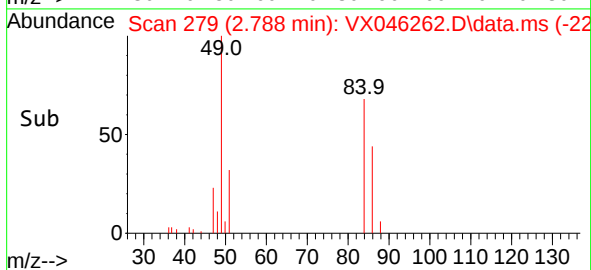
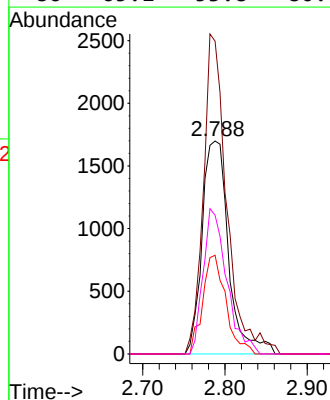
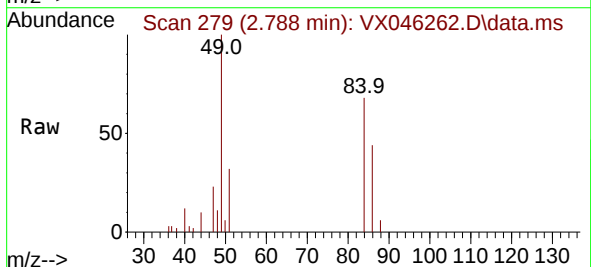
Instrument :
MSVOA_X
ClientSampleId :
MH-L

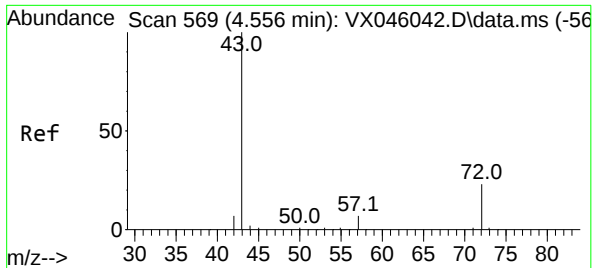
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
74 18.6 16.7 25.1



#20
Methylene Chloride
Concen: 4.056 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 84 Resp: 3800
Ion Ratio Lower Upper
84 100
49 146.9 113.9 170.9
51 46.3 33.5 50.3
86 65.1 53.8 80.8

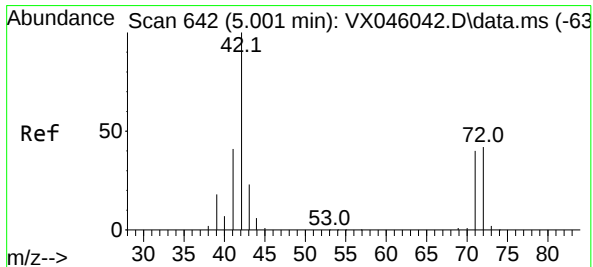
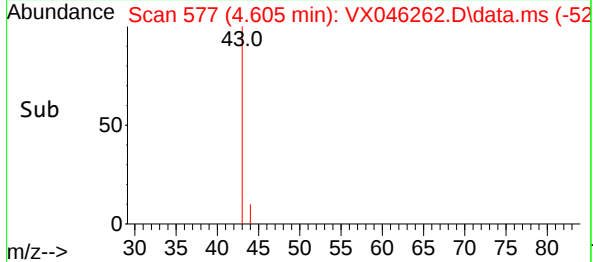
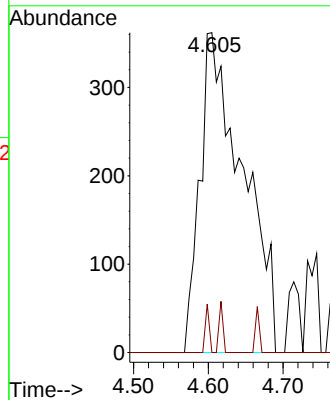
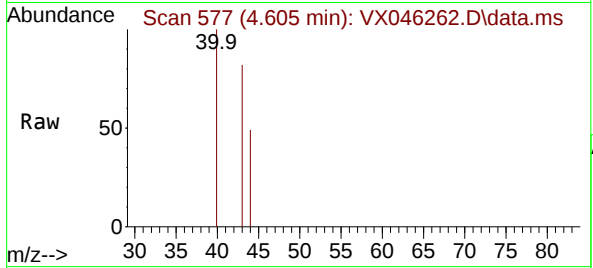




#25
2-Butanone
Concen: 2.030 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

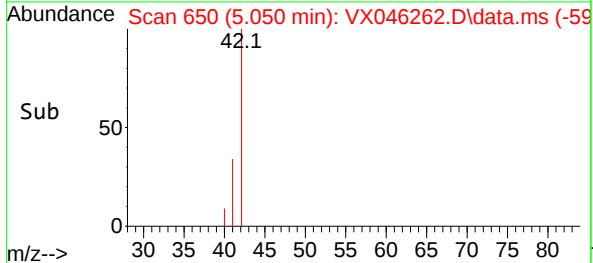
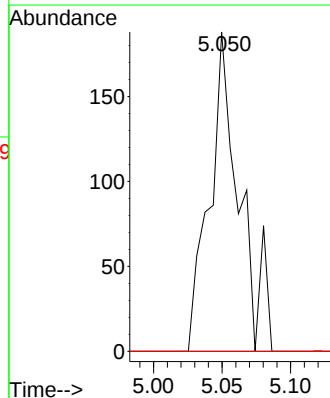
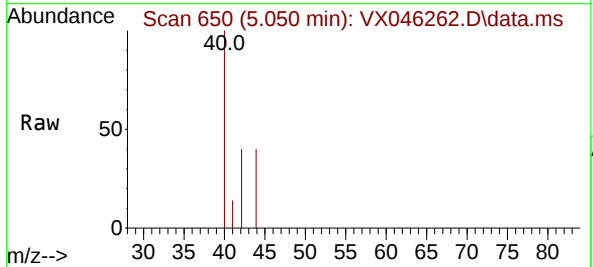
Instrument :
MSVOA_X
ClientSampleId :
MH-L

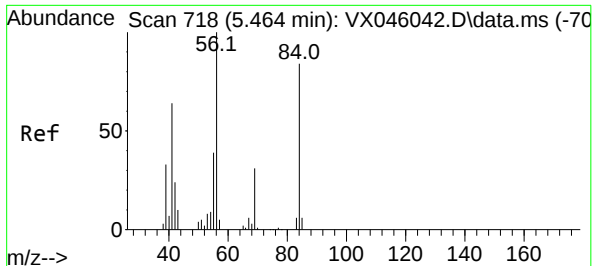
Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.643 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.049 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 42 Resp: 286
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

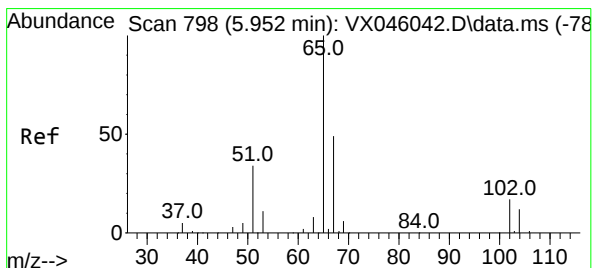
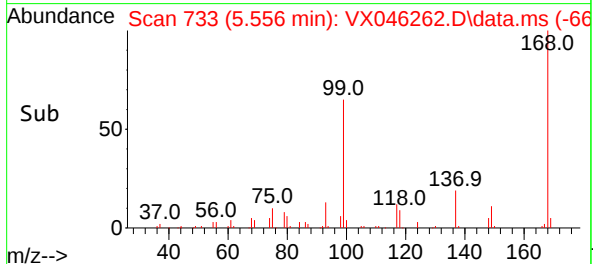
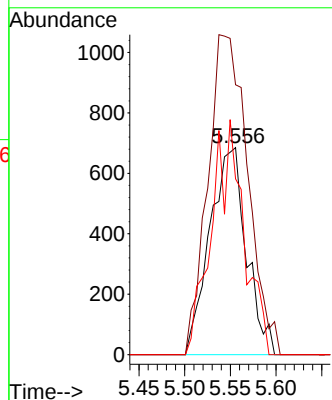
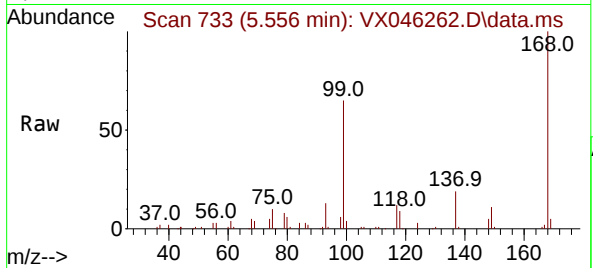




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

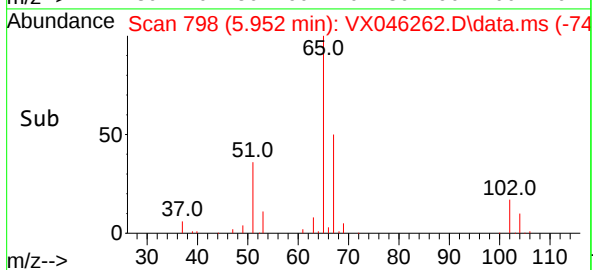
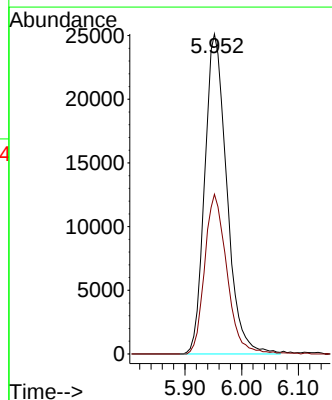
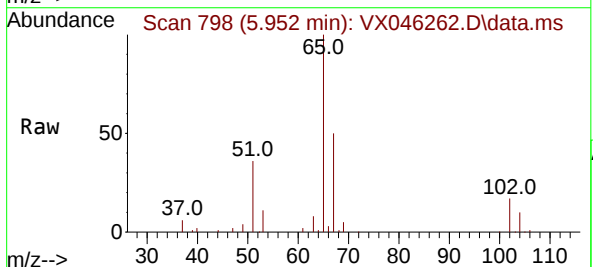
Instrument :
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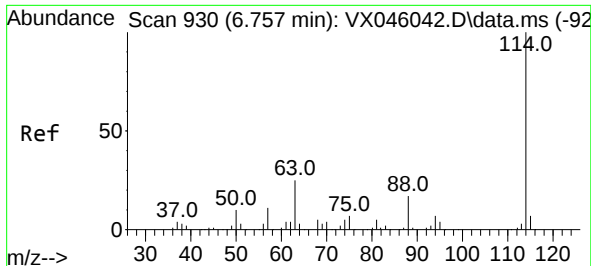
Tgt Ion: 56 Resp: 1908
Ion Ratio Lower Upper
56 100
69 130.4 24.4 36.6#
84 85.0 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 55.682 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 65 Resp: 67890
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.0

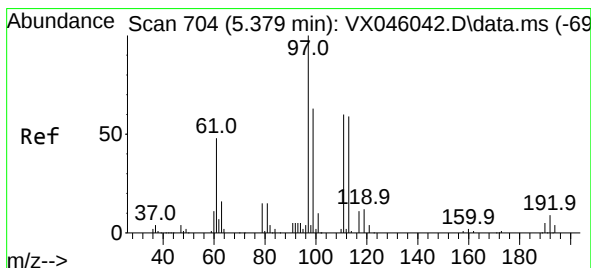
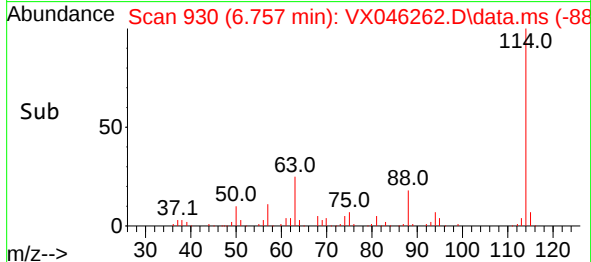
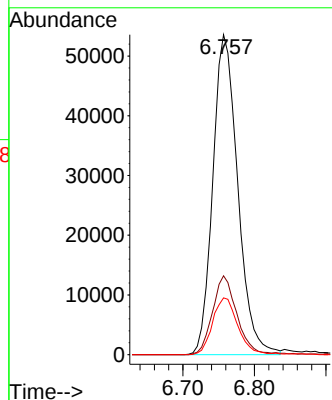
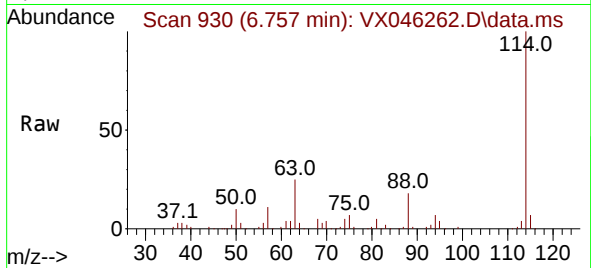




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

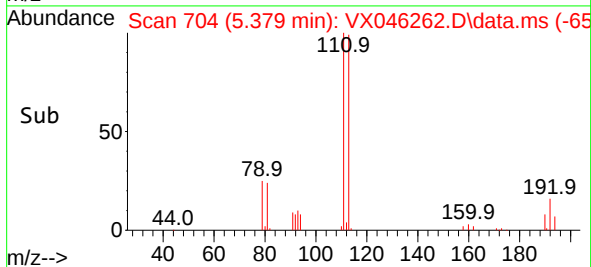
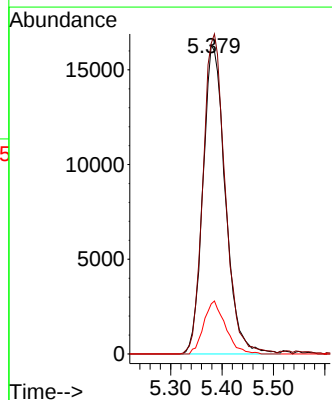
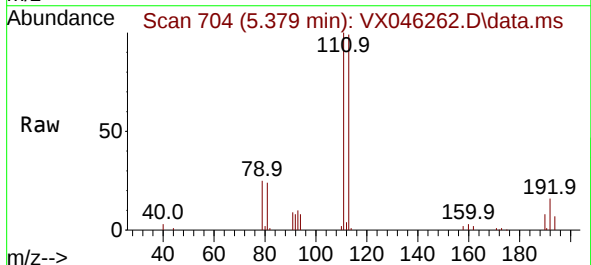
Instrument :
MSVOA_X
ClientSampleId :
MH-L

Tgt Ion:114 Resp: 129752
Ion Ratio Lower Upper
114 100
63 24.6 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 52.588 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion:113 Resp: 49136
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 16.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.174 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046262.D

Acq: 19 May 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

MH-L

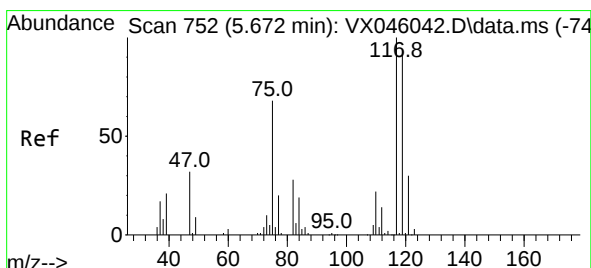
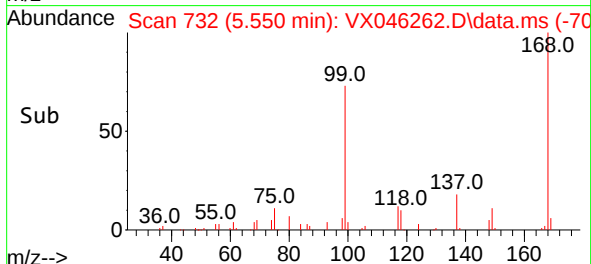
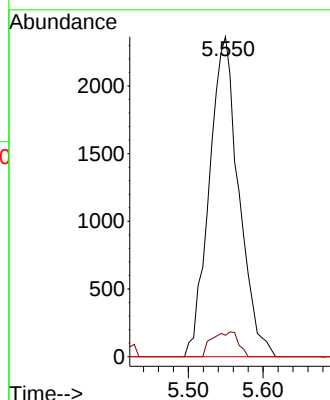
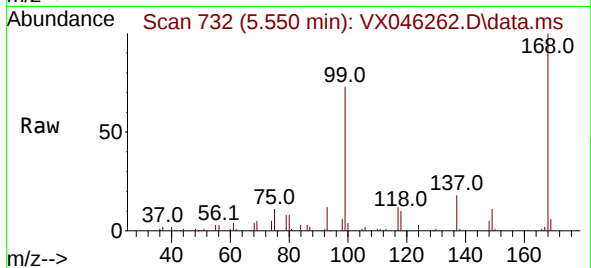
Tgt Ion: 75 Resp: 6496

Ion Ratio Lower Upper

75 100

110 6.9 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.808 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046262.D

Acq: 19 May 2025 13:03

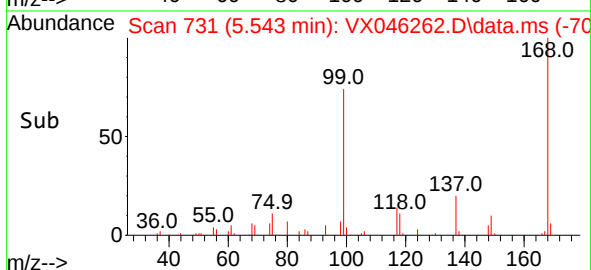
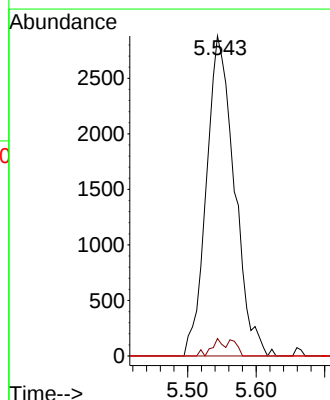
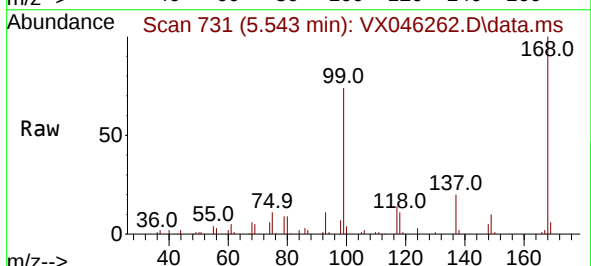
Tgt Ion: 117 Resp: 8193

Ion Ratio Lower Upper

117 100

119 5.4 75.2 112.8#

121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 4.669 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX046262.D

Acq: 19 May 2025 13:03

Instrument :

MSVOA_X

ClientSampleId :

MH-L

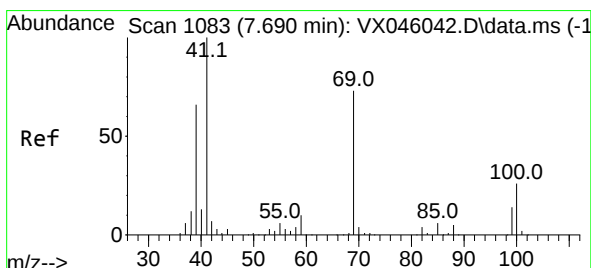
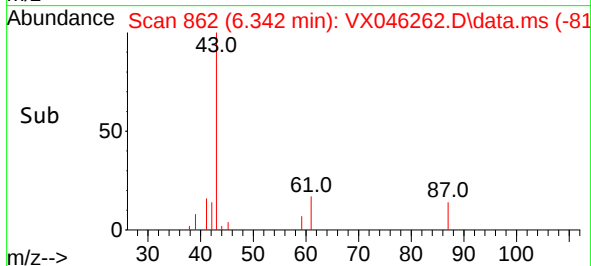
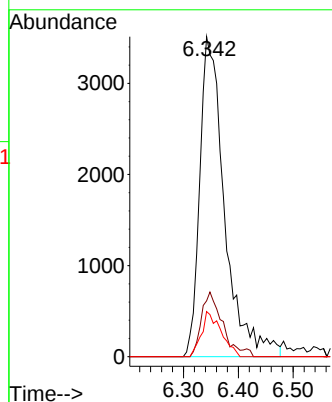
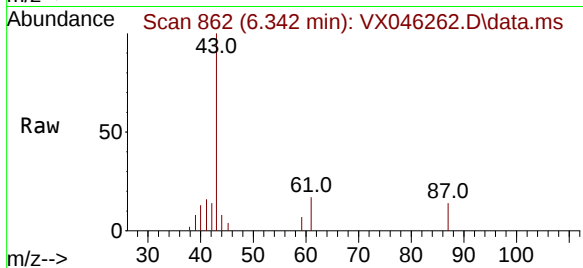
Tgt Ion: 43 Resp: 11047

Ion Ratio Lower Upper

43 100

61 17.3 14.3 21.5

87 11.2 9.5 14.3



#48

Methyl methacrylate

Concen: 37.499 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX046262.D

Acq: 19 May 2025 13:03

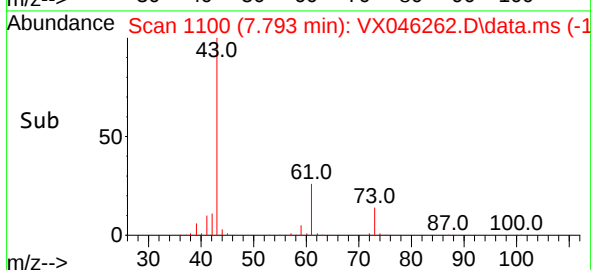
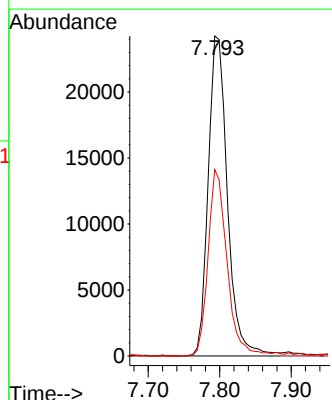
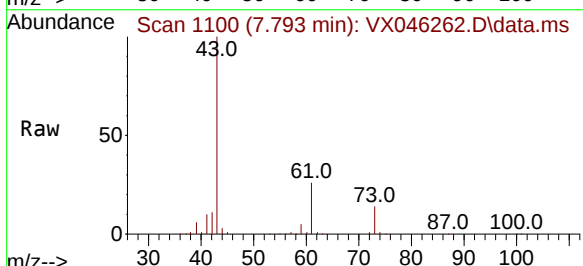
Tgt Ion: 41 Resp: 45315

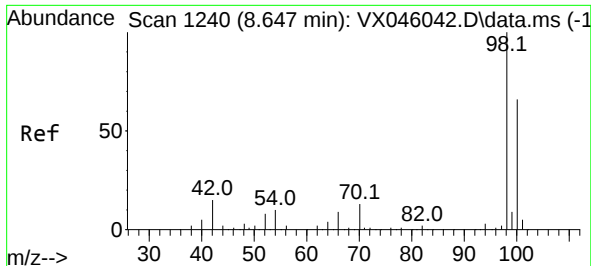
Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 57.8 51.7 77.5

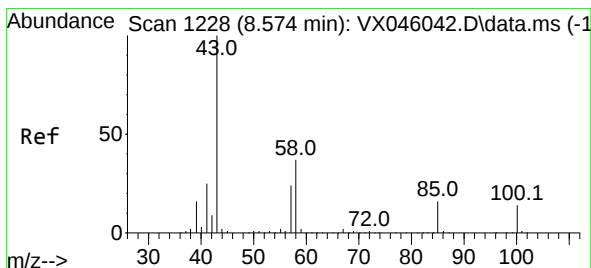
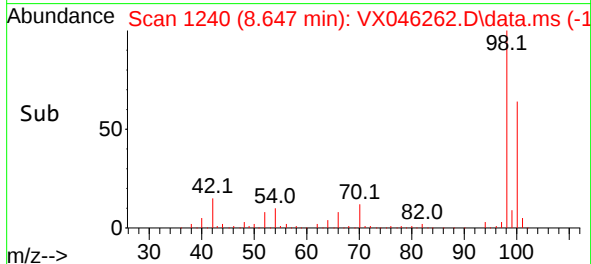
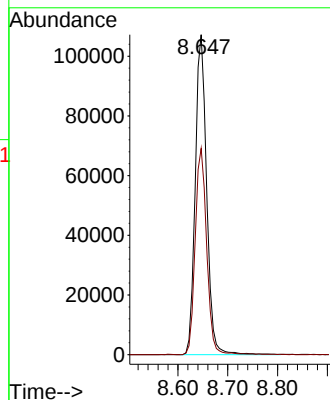
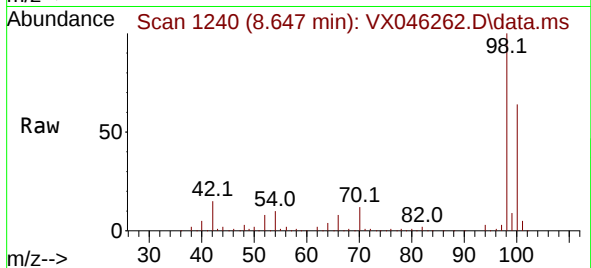




#50
Toluene-d8
Concen: 52.579 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

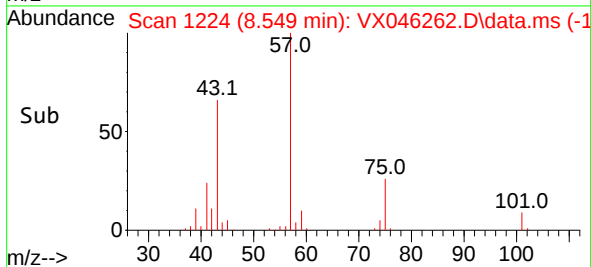
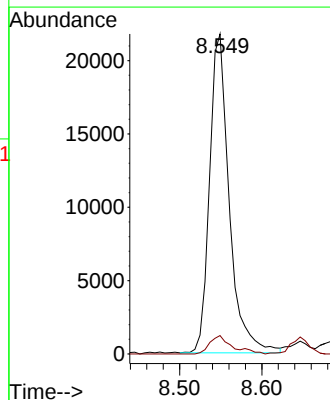
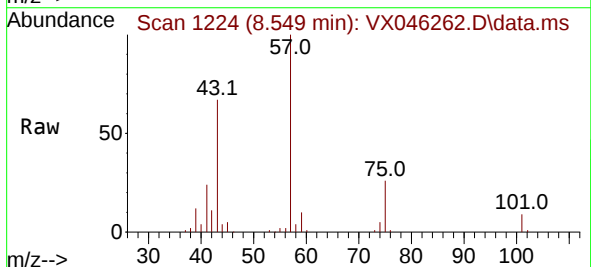
Instrument :
MSVOA_X
ClientSampleId :
MH-L

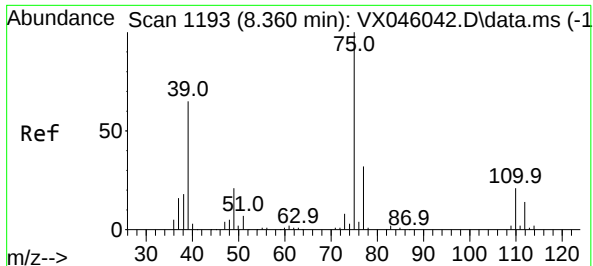
Tgt Ion: 98 Resp: 170036
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.050 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 43 Resp: 36203
Ion Ratio Lower Upper
43 100
58 6.5 28.9 43.3#

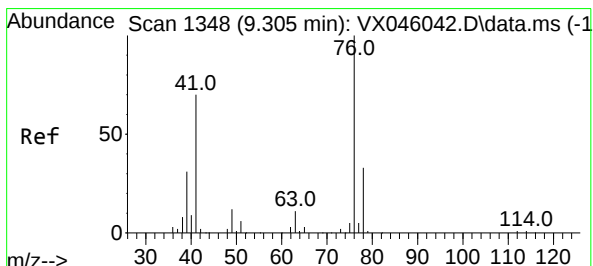
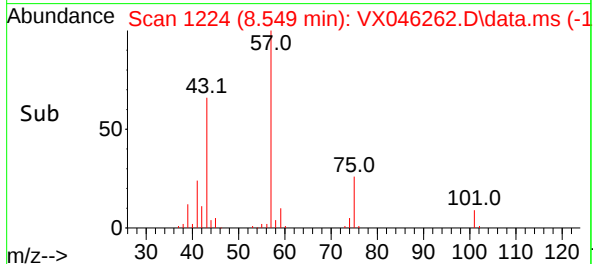
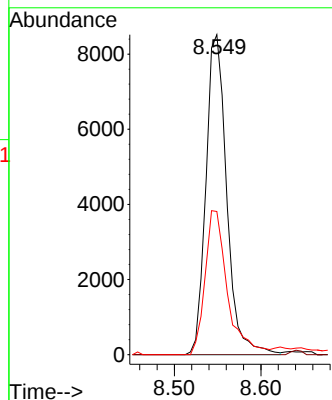
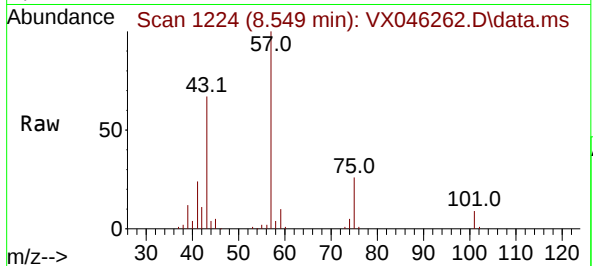




#54
 cis-1,3-Dichloropropene
 Concen: 10.174 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046262.D
 Acq: 19 May 2025 13:03

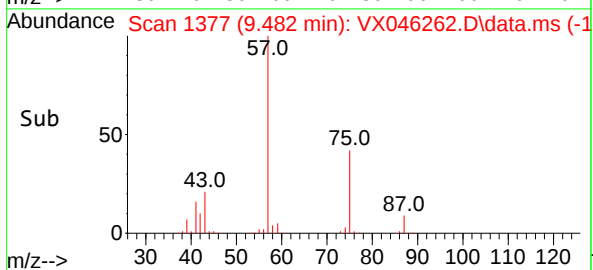
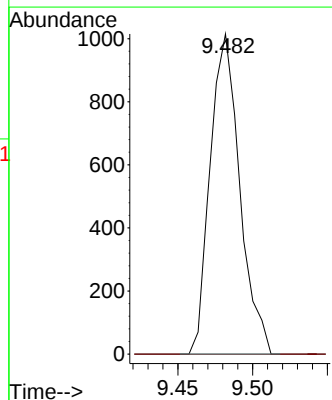
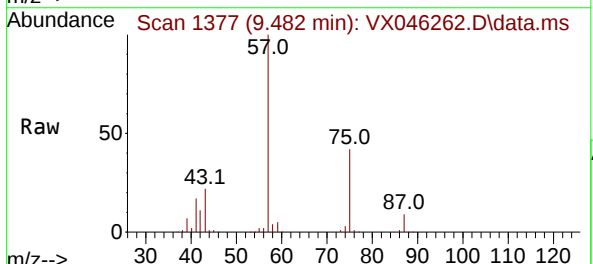
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-L

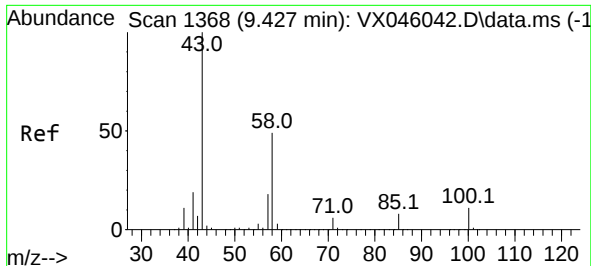
Tgt Ion: 75 Resp: 14196
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 44.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.875 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046262.D
 Acq: 19 May 2025 13:03

Tgt Ion: 76 Resp: 1397
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

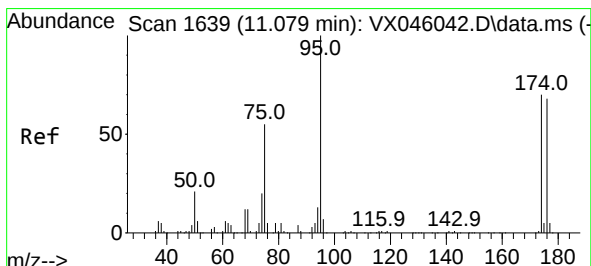
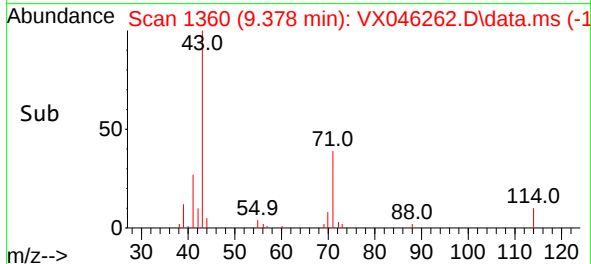
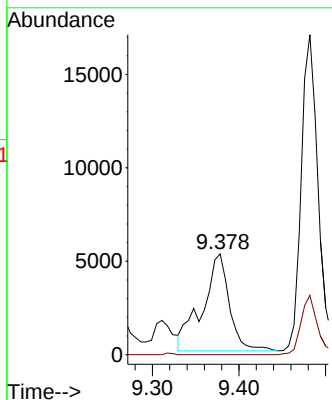
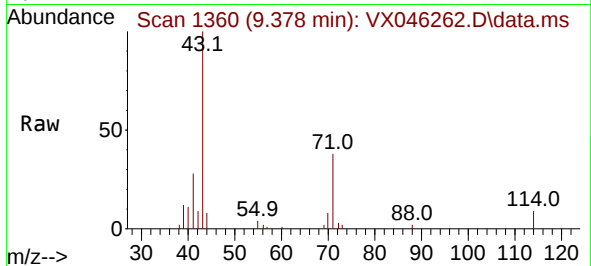




#59
2-Hexanone
Concen: 9.715 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

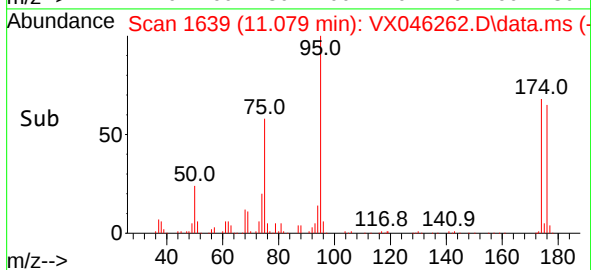
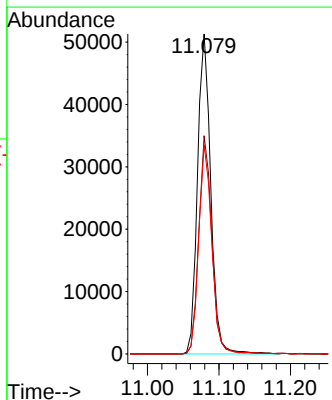
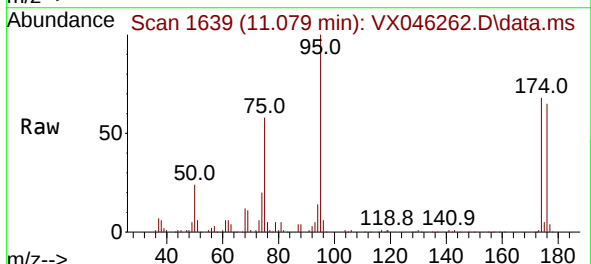
Instrument :
MSVOA_X
ClientSampleId :
MH-L

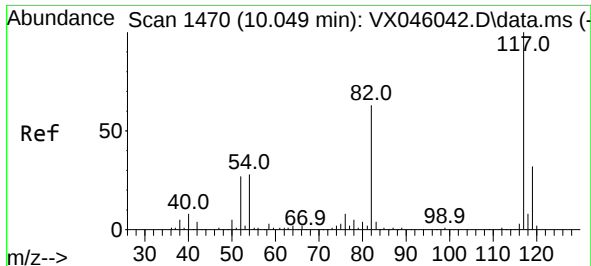
Tgt Ion: 43 Resp: 11289
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 95 Resp: 65926
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.0 0.0 131.4

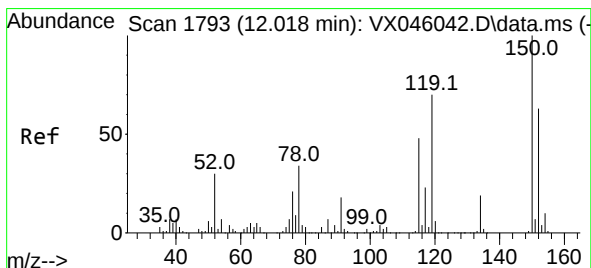
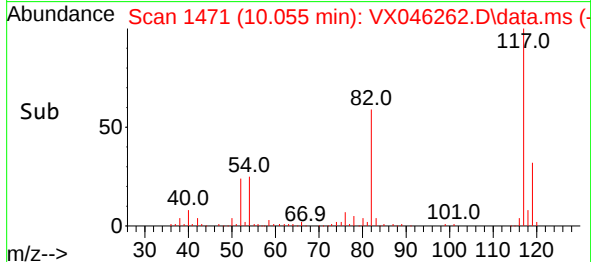
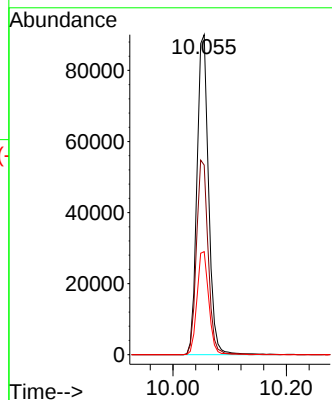
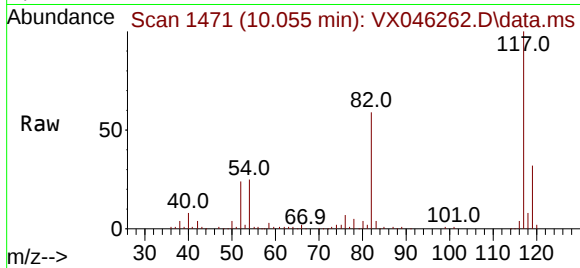




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

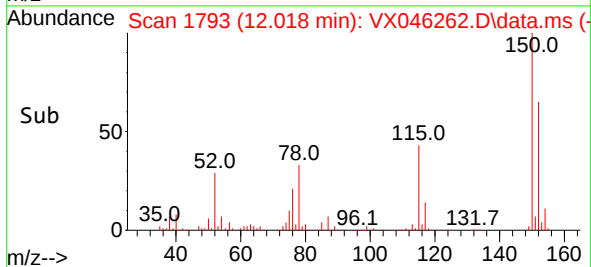
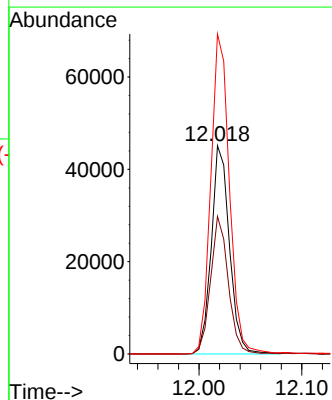
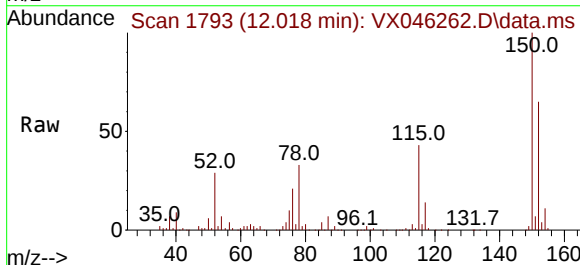
Instrument :
MSVOA_X
ClientSampleId :
MH-L

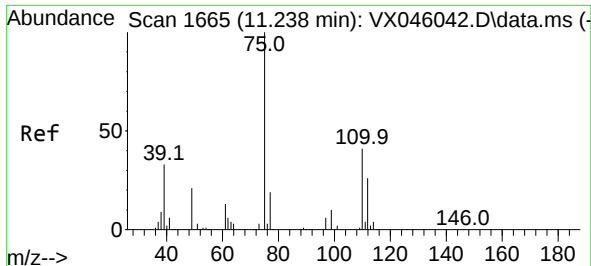
Tgt Ion:117 Resp: 127866
Ion Ratio Lower Upper
117 100
82 59.3 50.6 76.0
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion:152 Resp: 55408
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 158.5 0.0 351.0

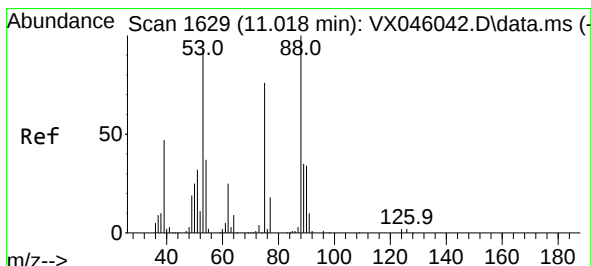
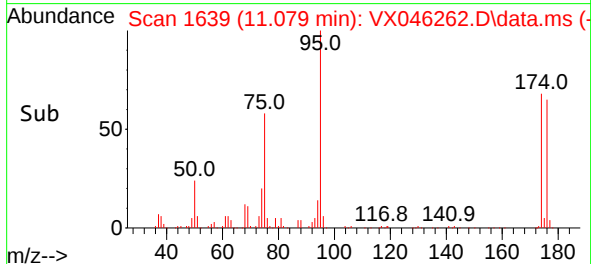
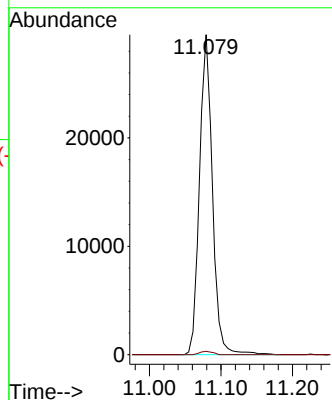
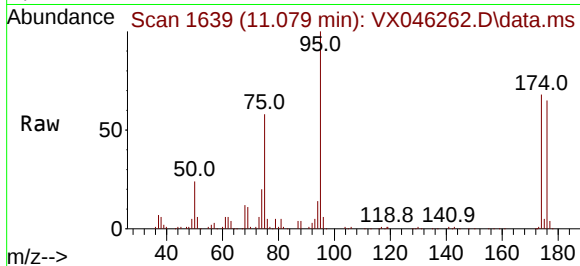




#76
1,2,3-Trichloropropane
Concen: 27.773 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Instrument :
MSVOA_X
ClientSampleId :
MH-L

Tgt Ion: 75 Resp: 37041
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.421 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046262.D
Acq: 19 May 2025 13:03

Tgt Ion: 75 Resp: 37041
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

