

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046690.D
 Acq On : 13 Jun 2025 15:36
 Operator : JC/MD
 Sample : Q2295-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP02-MH5-WC

Quant Time: Jun 13 23:31:02 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)

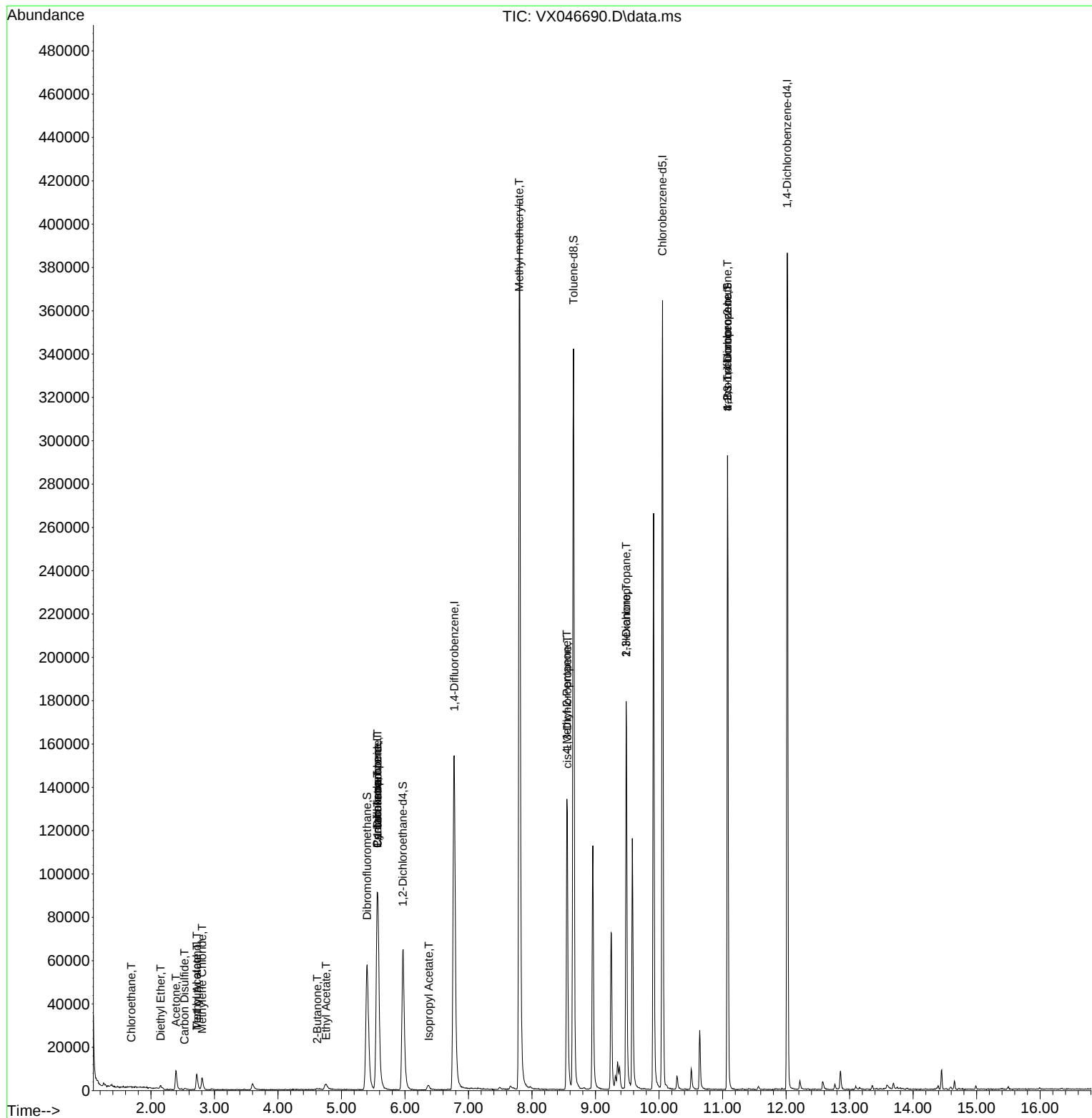
Internal Standards						
1) Pentafluorobenzene	5.562	168	95842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	168767	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	66207	38.828	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	77.660%
35) Dibromofluoromethane	5.403	113	54395	43.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.660%
50) Toluene-d8	8.653	98	208306	50.908	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	11.079	95	78730	46.505	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.000%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	308	0.393	ug/l #	44
8) Diethyl Ether	2.154	74	442	0.626	ug/l	68
11) Tert butyl alcohol	2.721	59	880	4.651	ug/l #	72
16) Acetone	2.392	43	11085	20.845	ug/l #	88
17) Carbon Disulfide	2.526	76	383	0.360	ug/l #	76
18) Methyl Acetate	2.721	43	9940	4.894	ug/l	99
20) Methylene Chloride	2.806	84	2727	1.993	ug/l	95
25) 2-Butanone	4.617	43	1087	1.145	ug/l #	83
31) Cyclohexane	5.562	56	2035	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	7943	4.480	ug/l #	52
37) Ethyl Acetate	4.757	43	5095	2.945	ug/l #	85
38) Carbon Tetrachloride	5.568	117	10291	5.183	ug/l #	18
43) Isopropyl Acetate	6.373	43	4014	1.331	ug/l #	89
48) Methyl methacrylate	7.799	41	38945	25.093	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	50163	26.170	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	22737	11.446	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	1629	0.749	ug/l #	42
59) 2-Hexanone	9.482	43	22929	16.679	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	40697	24.469	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	40697	70.585	ug/l #	1

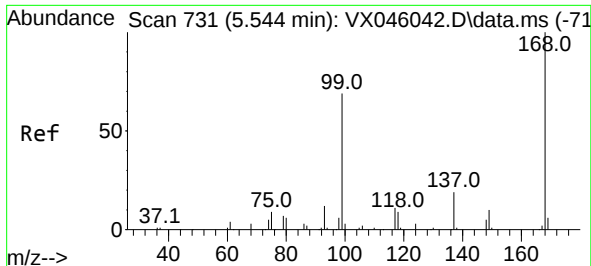
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

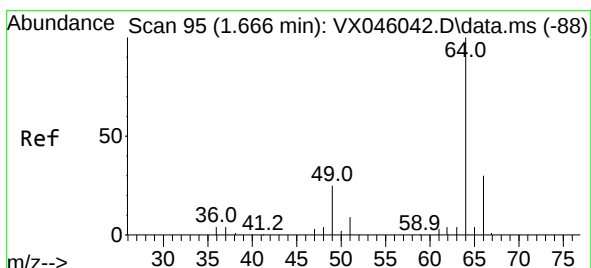
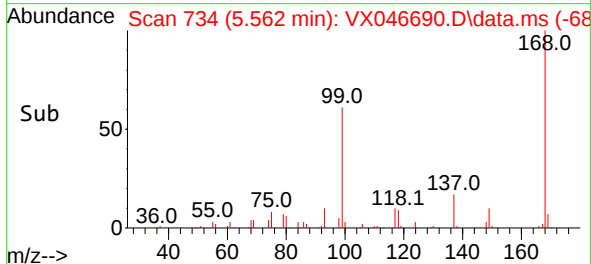
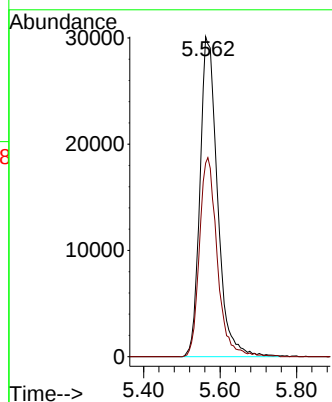
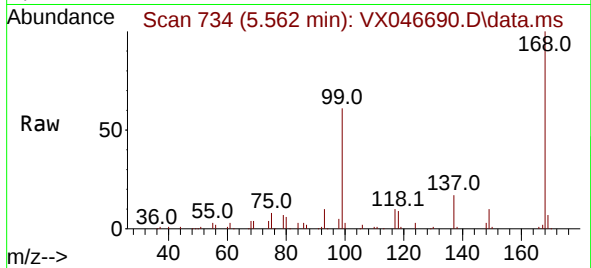




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

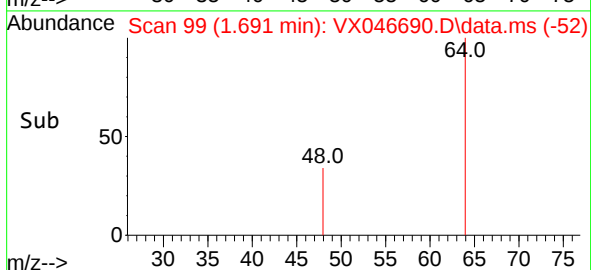
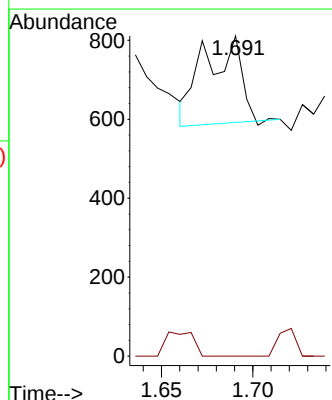
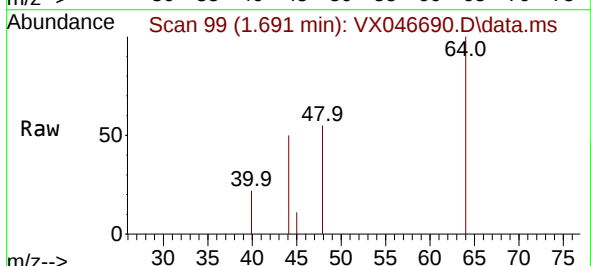
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

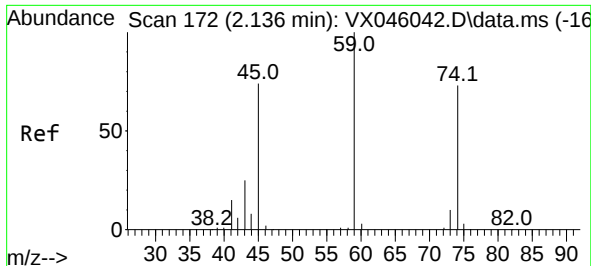
Tgt Ion:168 Resp: 95842
Ion Ratio Lower Upper
168 100
99 60.5 54.9 82.3



#6
Chloroethane
Concen: 0.393 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5

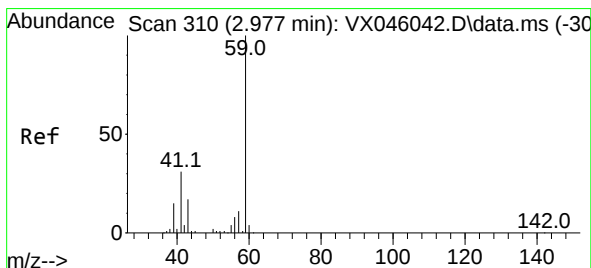
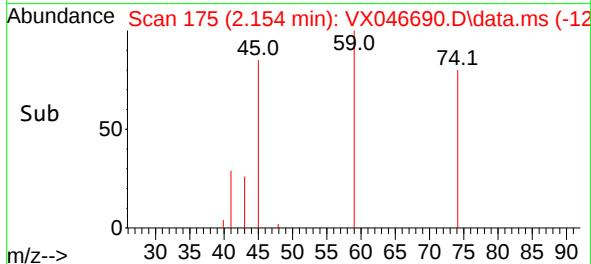
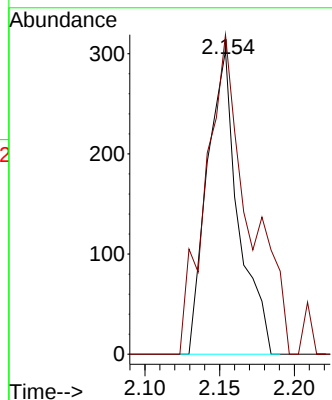
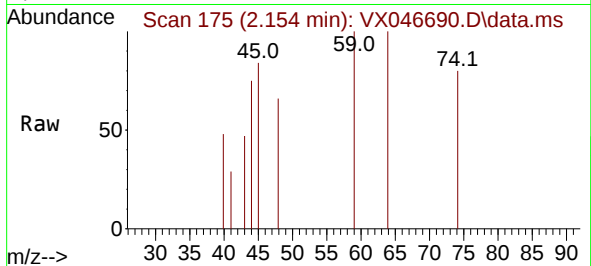




#8
Diethyl Ether
Concen: 0.626 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

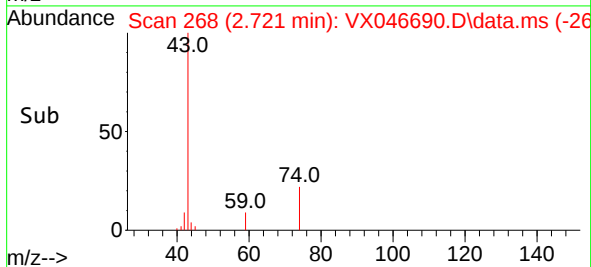
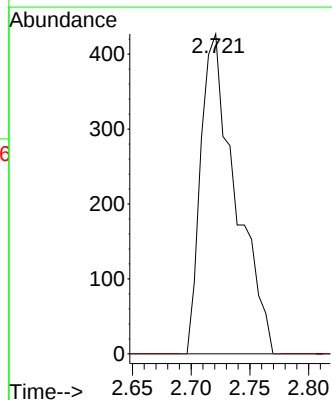
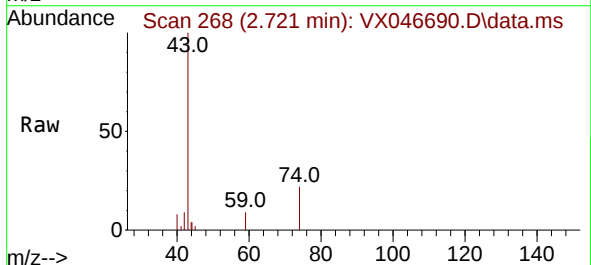
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

Tgt Ion: 74 Resp: 442
Ion Ratio Lower Upper
74 100
45 143.7 54.9 164.8



#11
Tert butyl alcohol
Concen: 4.651 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.250 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 59 Resp: 880
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

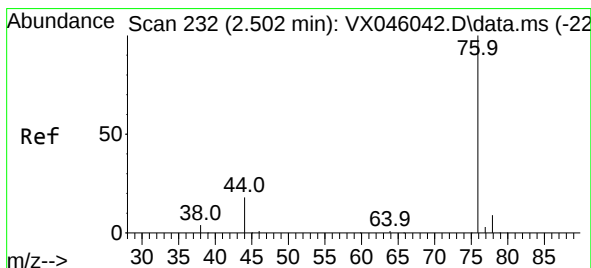
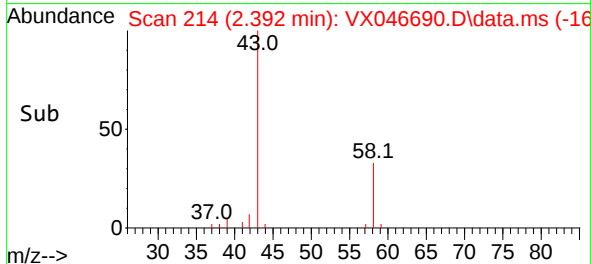
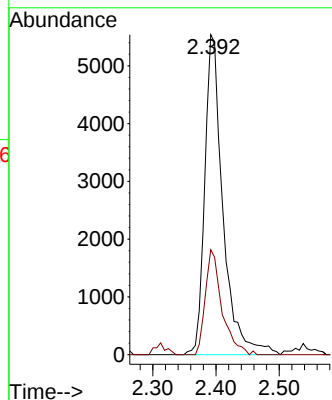
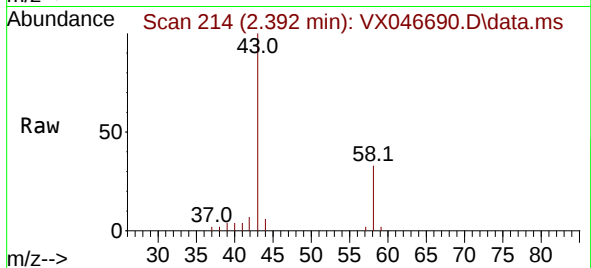




#16
Acetone
Concen: 20.845 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

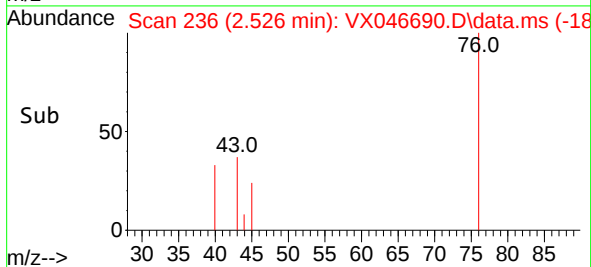
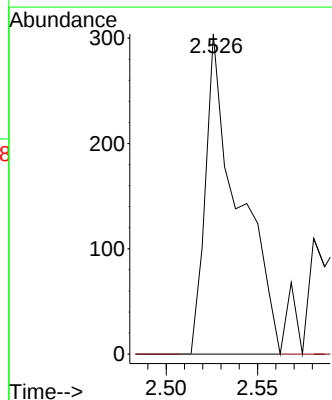
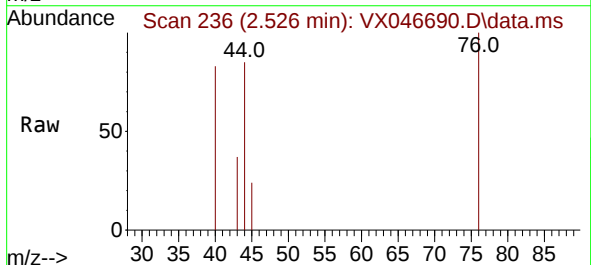
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

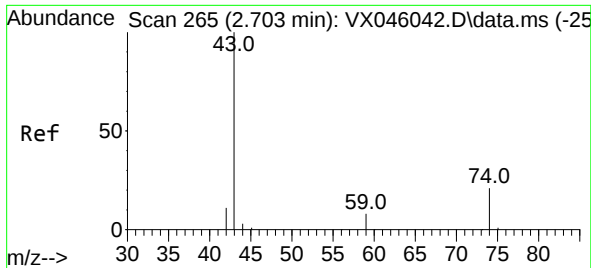
Tgt Ion: 43 Resp: 11085
Ion Ratio Lower Upper
43 100
58 32.8 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 76 Resp: 383
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

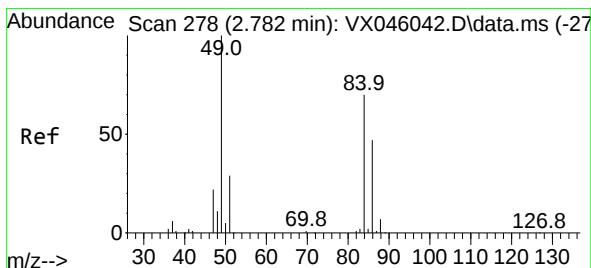
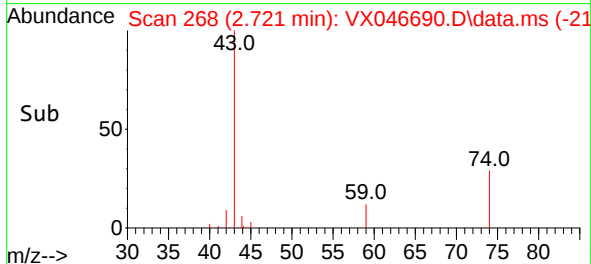
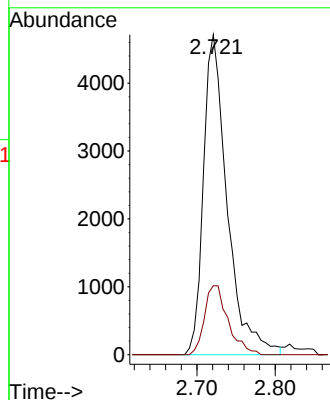
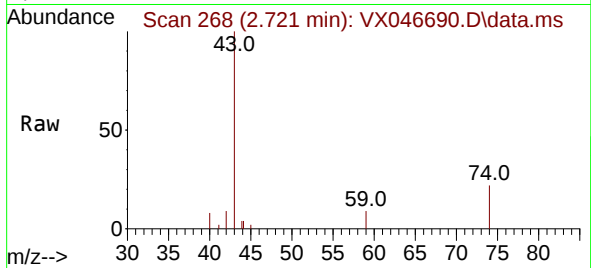




#18
Methyl Acetate
Concen: 4.894 ug/l
RT: 2.721 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

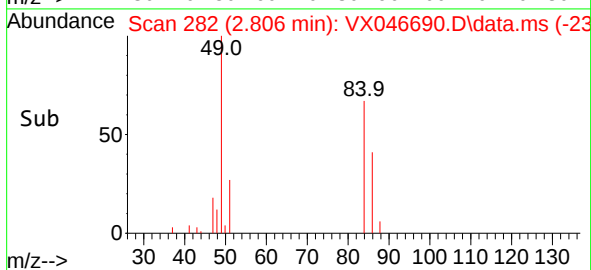
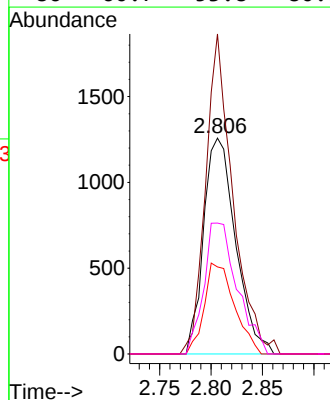
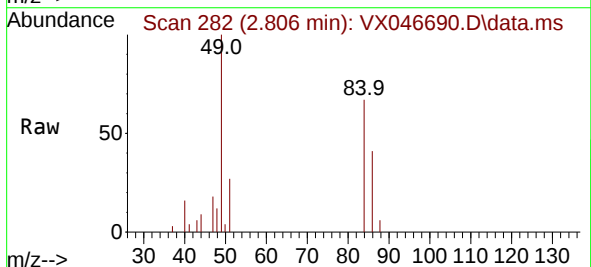
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

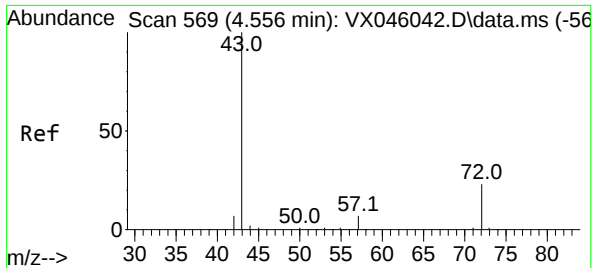
Tgt Ion: 43 Resp: 9940
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1



#20
Methylene Chloride
Concen: 1.993 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 84 Resp: 2727
Ion Ratio Lower Upper
84 100
49 148.3 113.9 170.9
51 40.3 33.5 50.3
86 60.7 53.8 80.8





#25

2-Butanone

Concen: 1.145 ug/l

RT: 4.617 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX046690.D

Acq: 13 Jun 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

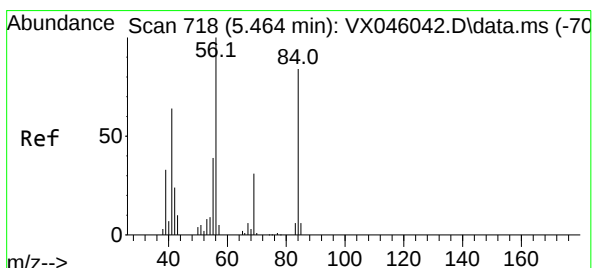
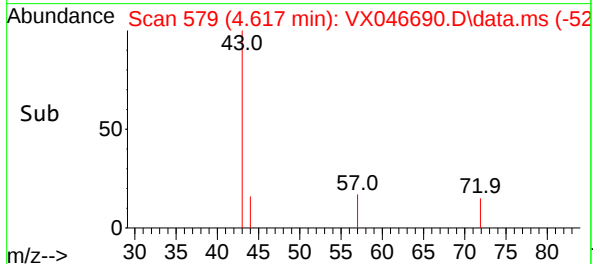
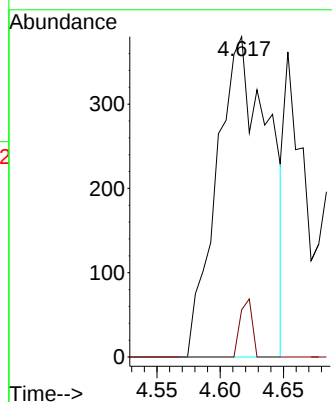
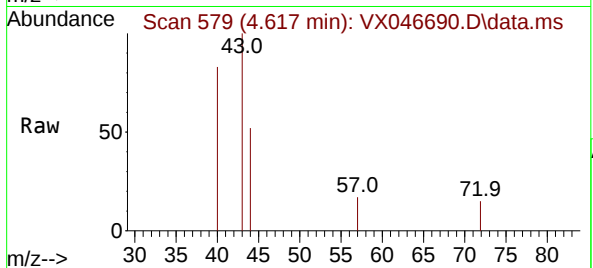
TP02-MH5-WC

Tgt Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

72 14.7 18.4 27.6#



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046690.D

Acq: 13 Jun 2025 15:36

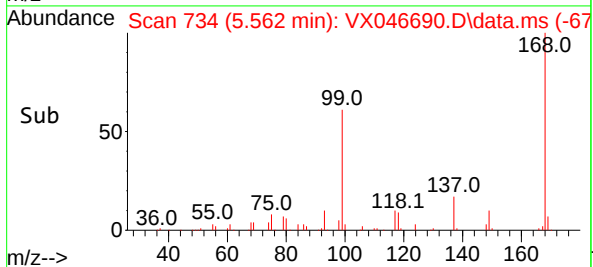
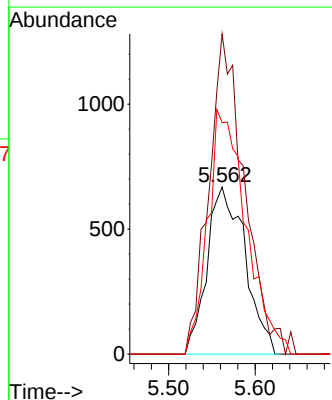
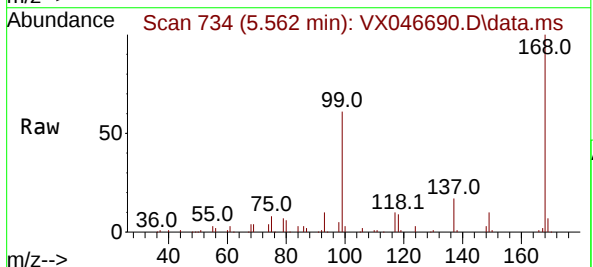
Tgt Ion: 56 Resp: 2035

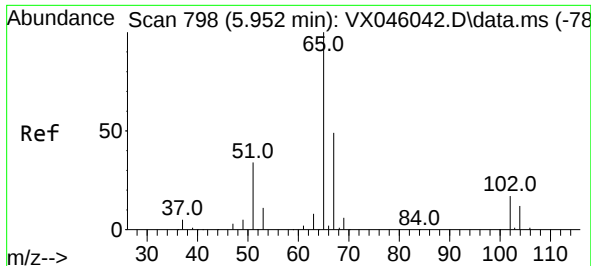
Ion Ratio Lower Upper

56 100

69 191.8 24.4 36.6#

84 138.6 66.9 100.3#

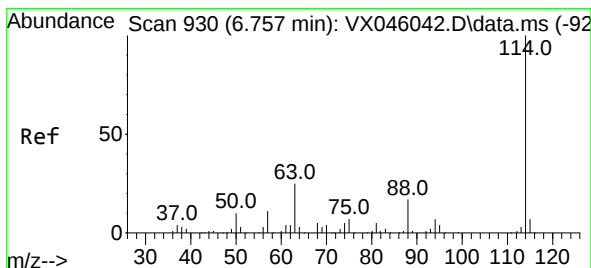
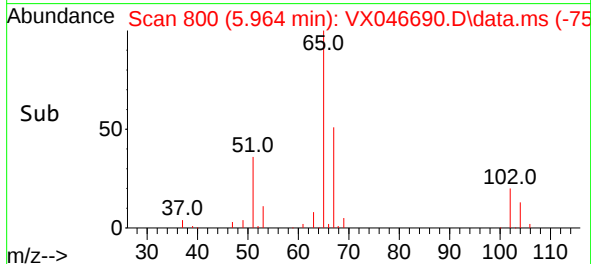
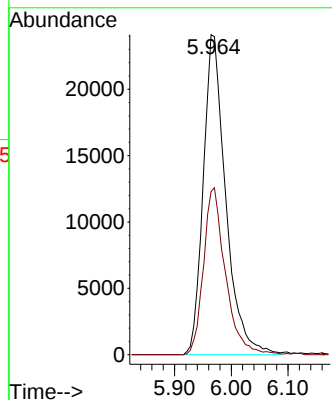
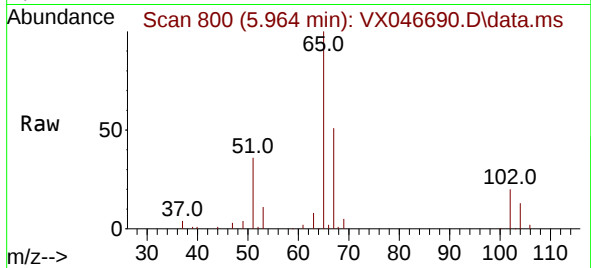




#33
1,2-Dichloroethane-d4
Concen: 38.828 ug/l
RT: 5.964 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

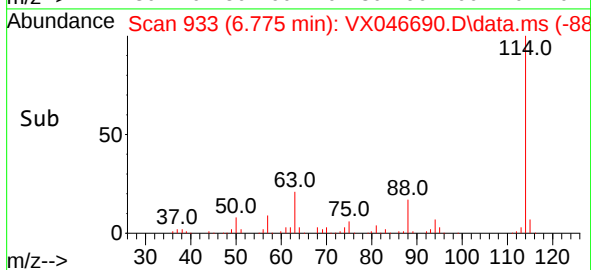
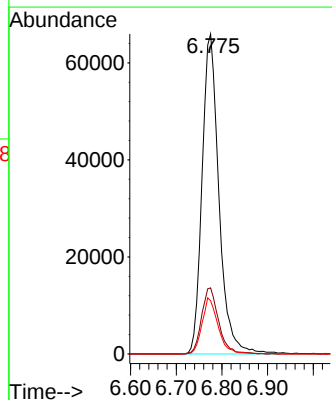
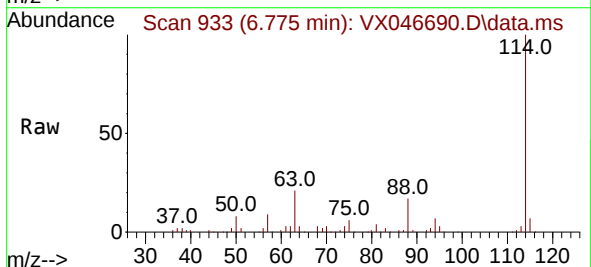
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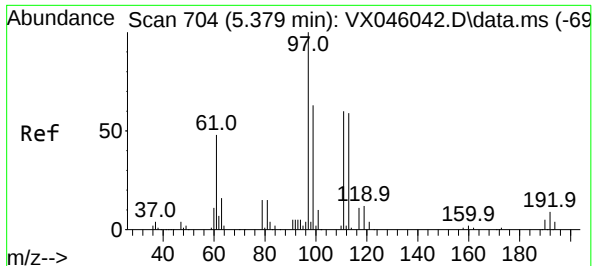
Tgt Ion: 65 Resp: 66207
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 114 Resp: 168767
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.2
88 16.6 0.0 33.6

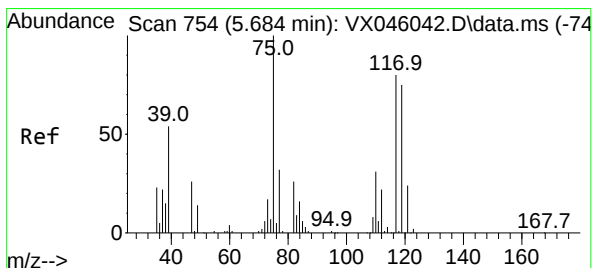
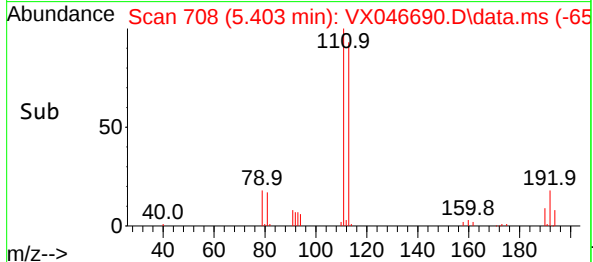
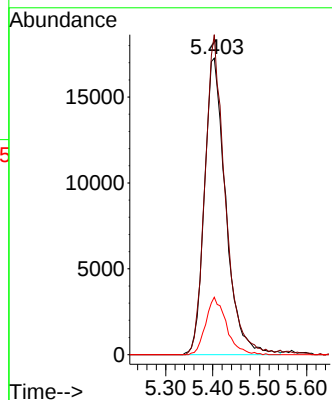
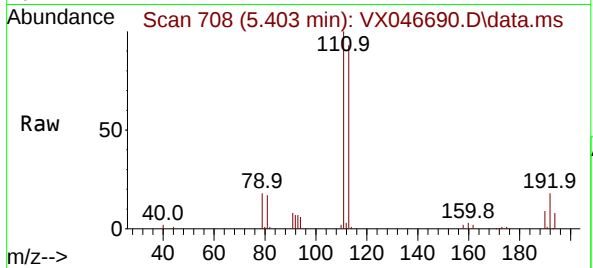




#35
Dibromofluoromethane
Concen: 43.828 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

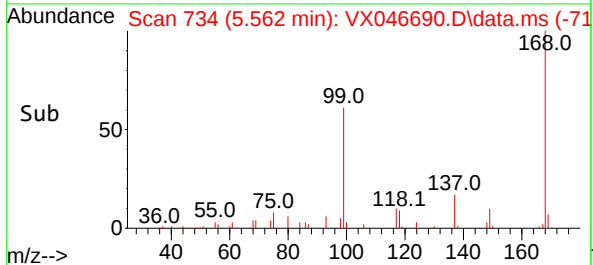
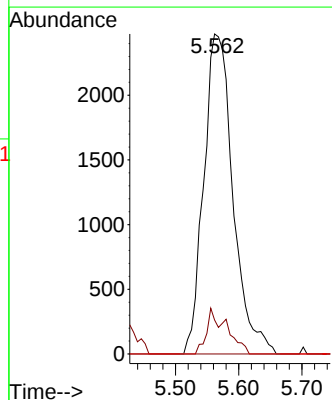
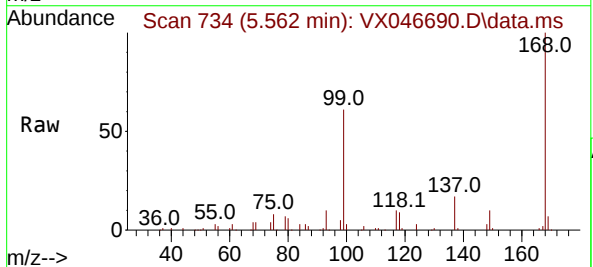
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

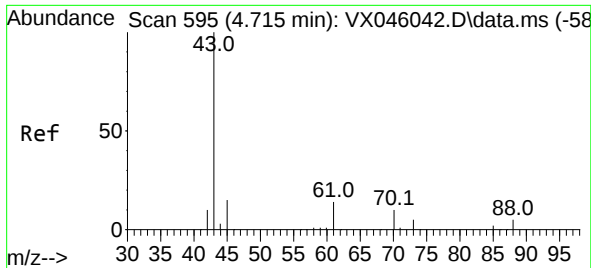
Tgt Ion:113 Resp: 54395
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 75 Resp: 7943
Ion Ratio Lower Upper
75 100
110 9.9 16.3 48.9#
77 0.0 24.3 36.5#

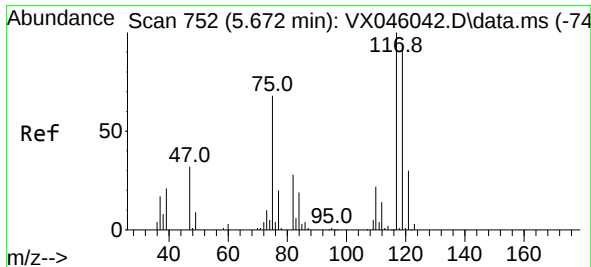
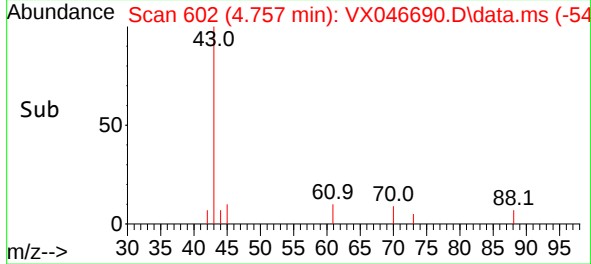
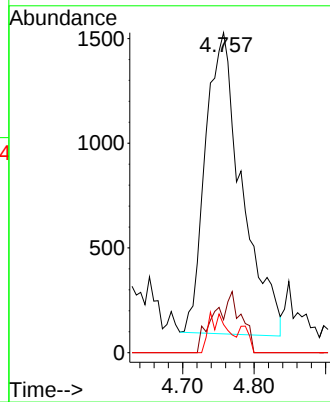
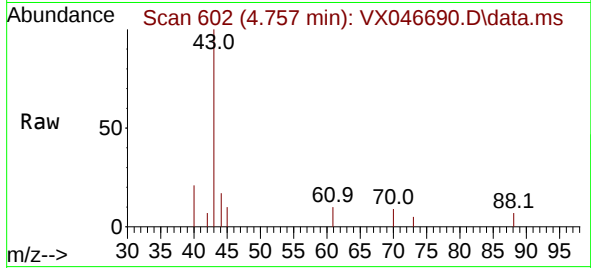




#37
Ethyl Acetate
Concen: 2.945 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.024 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

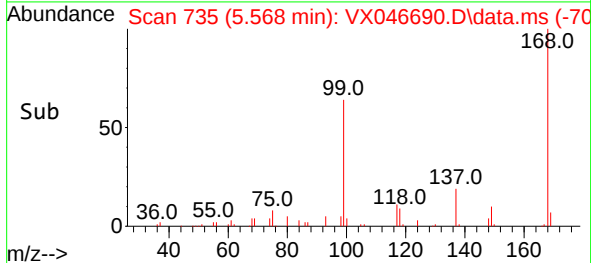
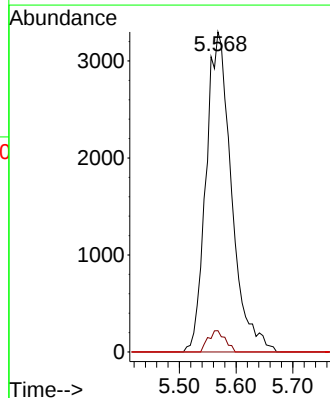
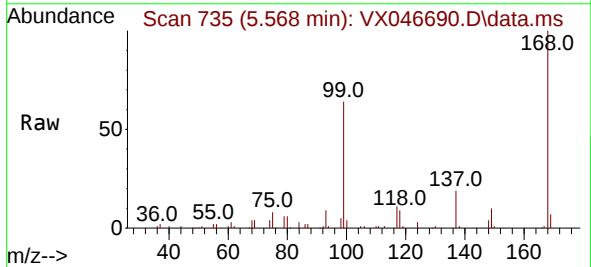
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

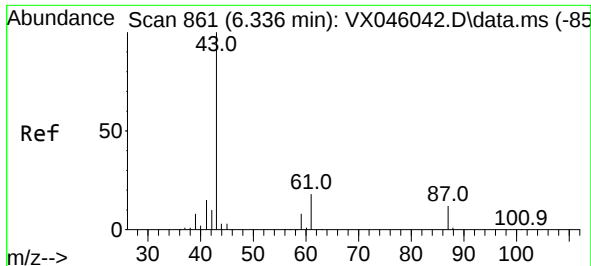
Tgt Ion: 43 Resp: 5095
Ion Ratio Lower Upper
43 100
61 15.1 10.3 15.5
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 117 Resp: 10291
Ion Ratio Lower Upper
117 100
119 6.7 75.2 112.8#
121 0.0 24.2 36.4#

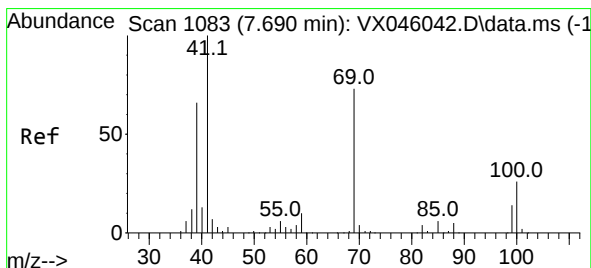
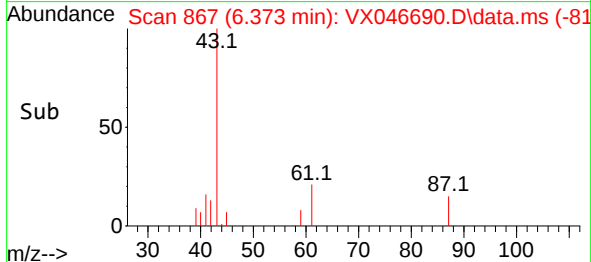
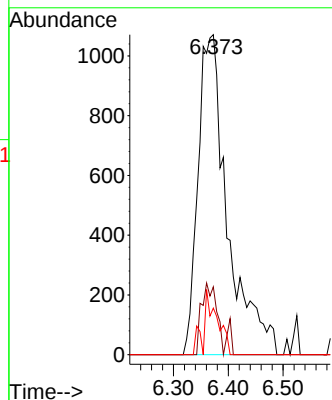
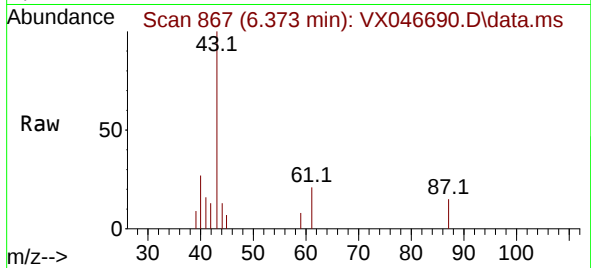




#43
Isopropyl Acetate
Concen: 1.331 ug/l
RT: 6.373 min Scan# 80
Delta R.T. 0.019 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

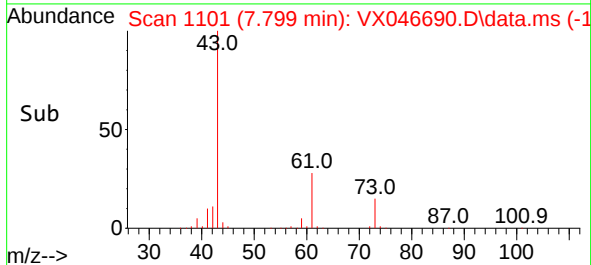
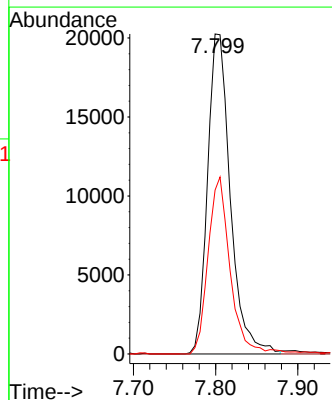
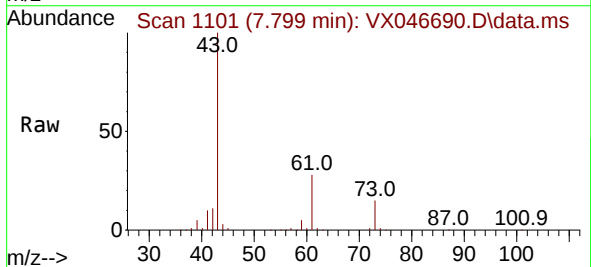
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

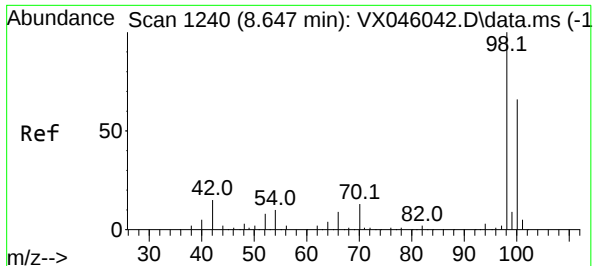
Tgt Ion: 43 Resp: 4014
Ion Ratio Lower Upper
43 100
61 11.4 14.3 21.5#
87 9.6 9.5 14.3



#48
Methyl methacrylate
Concen: 25.093 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 41 Resp: 38945
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.9 51.7 77.5

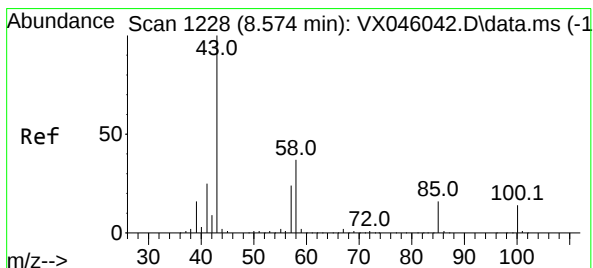
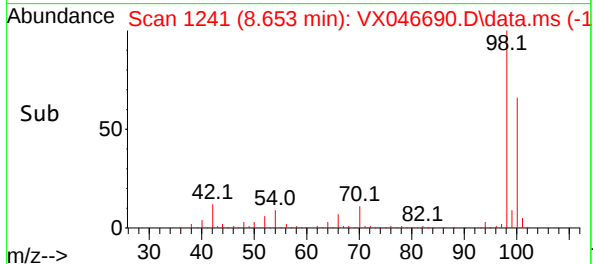
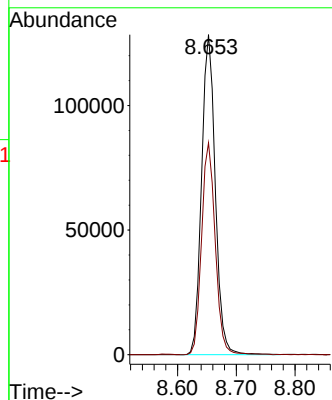
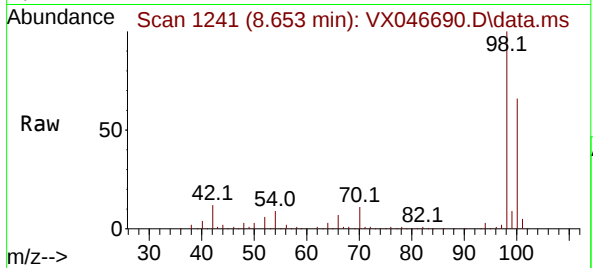




#50
Toluene-d8
Concen: 50.908 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

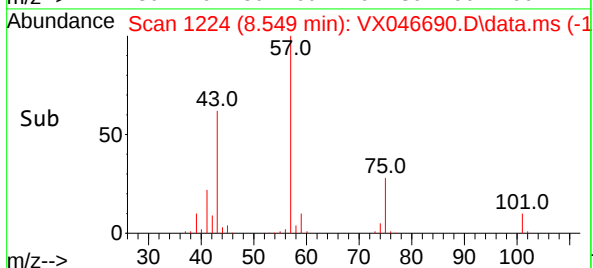
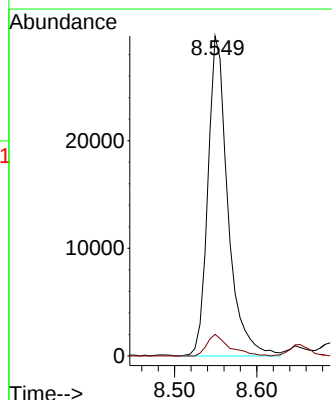
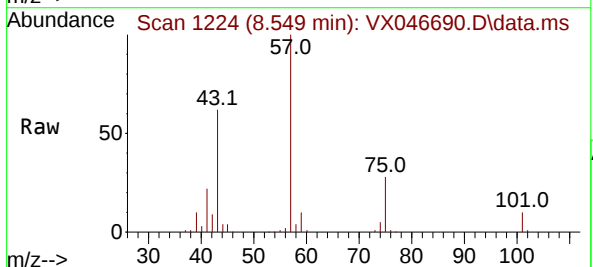
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

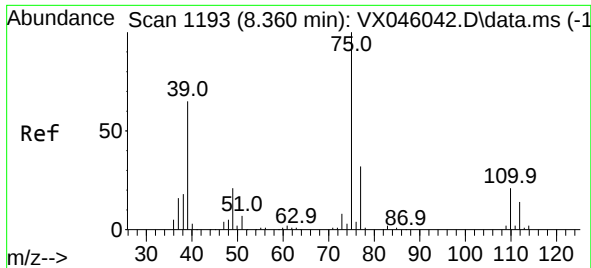
Tgt Ion: 98 Resp: 208306
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.170 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 43 Resp: 50163
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

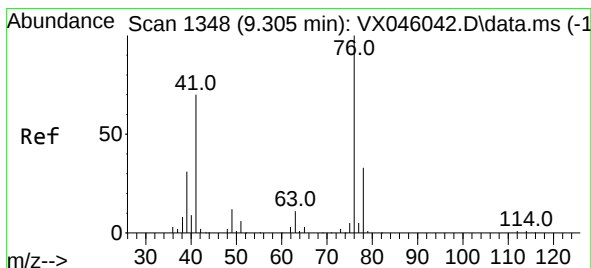
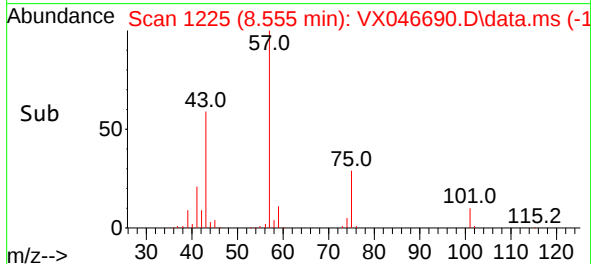
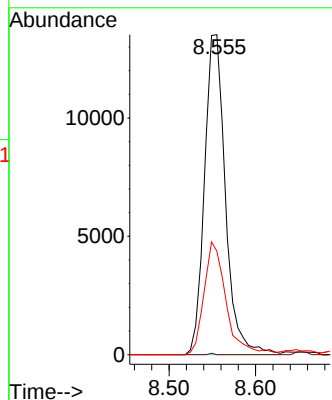
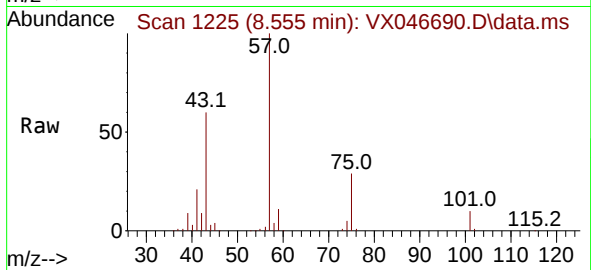




#54
 cis-1,3-Dichloropropene
 Concen: 11.446 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046690.D
 Acq: 13 Jun 2025 15:36

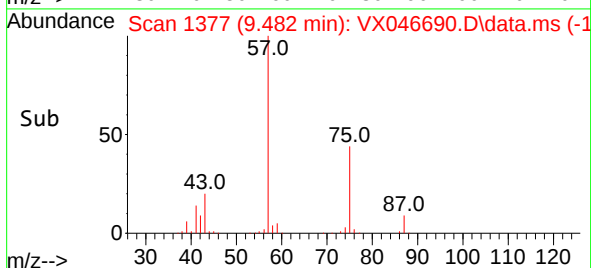
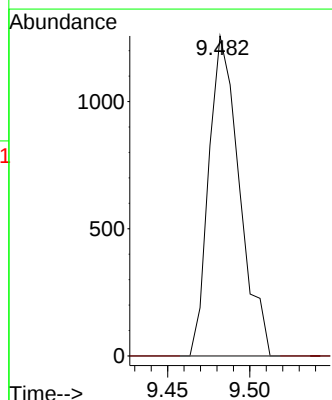
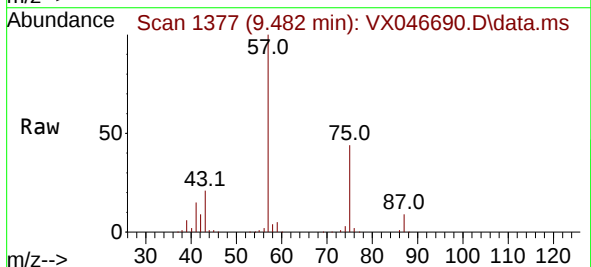
Instrument :
 MSVOA_X
 ClientSampleId :
 TP02-MH5-WC

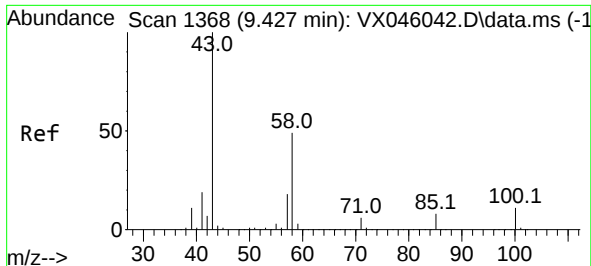
Tgt Ion: 75 Resp: 22737
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 32.3 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.749 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046690.D
 Acq: 13 Jun 2025 15:36

Tgt Ion: 76 Resp: 1629
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

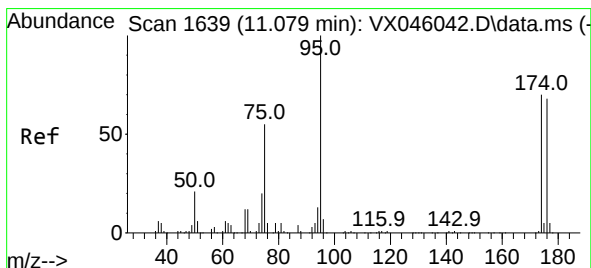
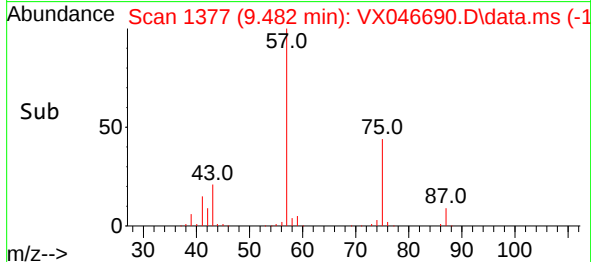
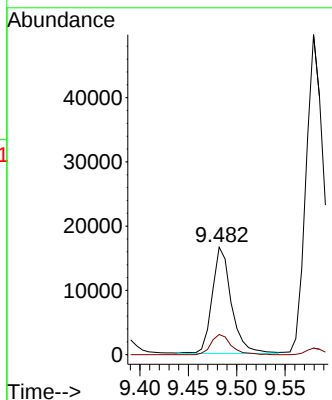
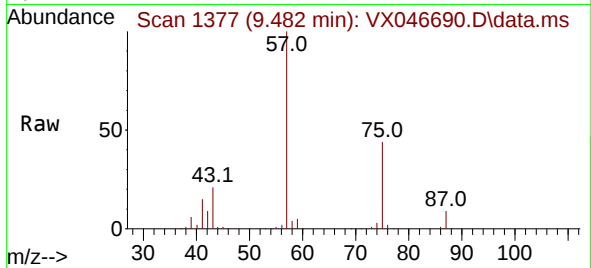




#59
2-Hexanone
Concen: 16.679 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

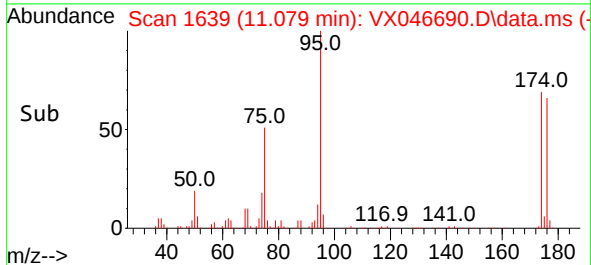
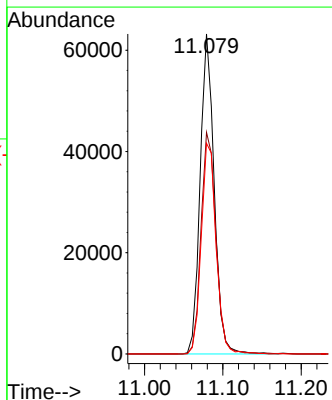
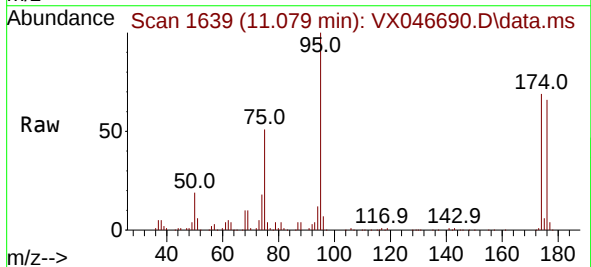
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

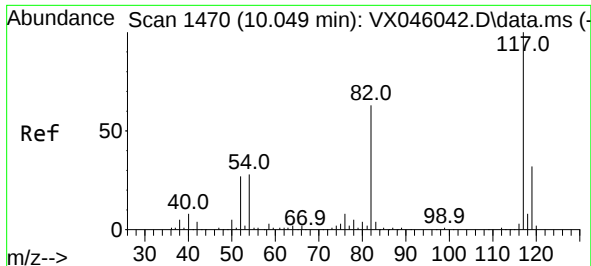
Tgt Ion: 43 Resp: 22929
Ion Ratio Lower Upper
43 100
58 19.7 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 46.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 95 Resp: 78730
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.8
176 69.7 0.0 131.4

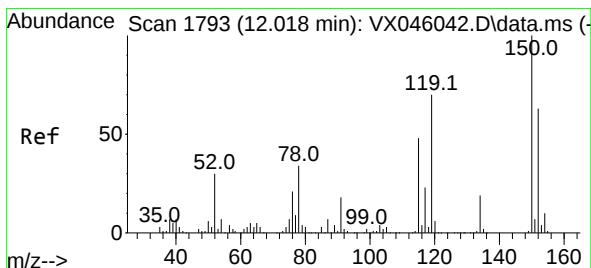
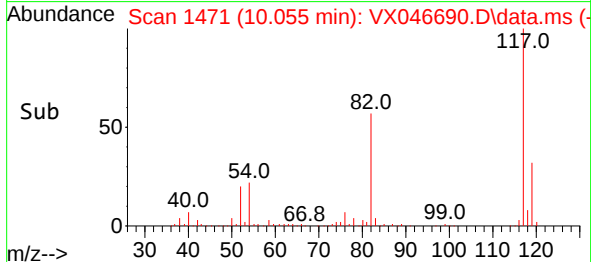
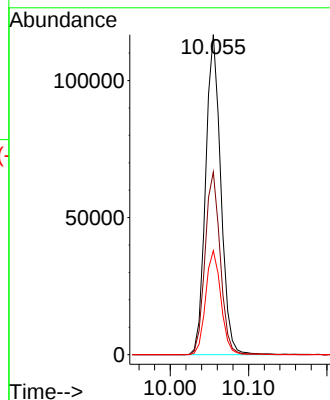
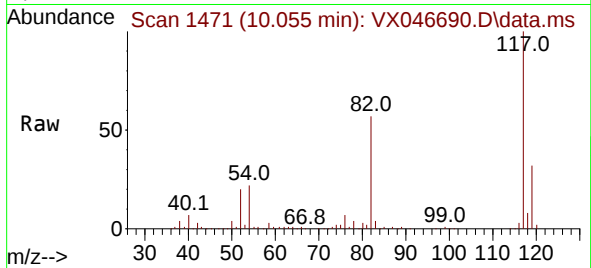




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

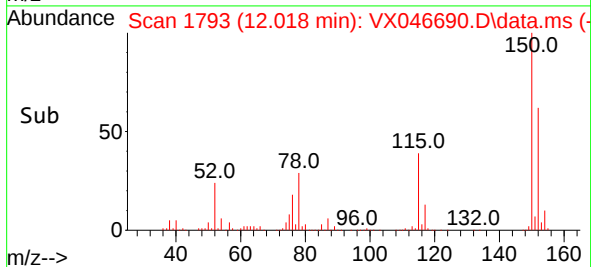
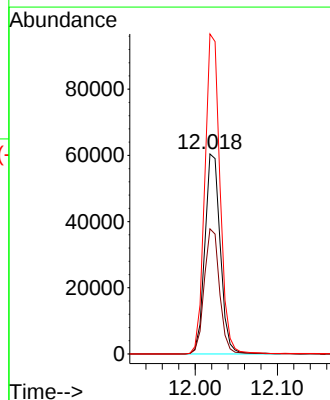
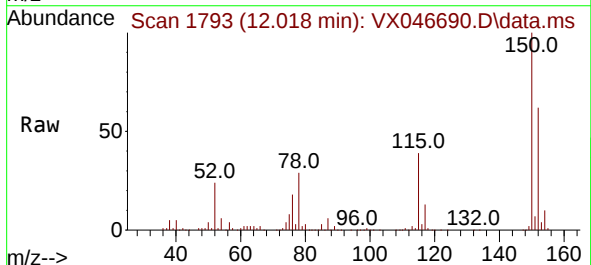
Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

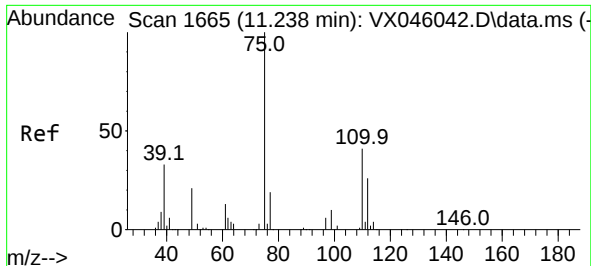
Tgt Ion:117 Resp: 156607
Ion Ratio Lower Upper
117 100
82 57.1 50.6 76.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion:152 Resp: 78521
Ion Ratio Lower Upper
152 100
115 62.3 46.9 140.7
150 157.8 0.0 351.0

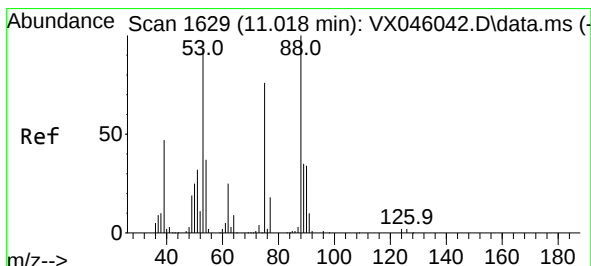
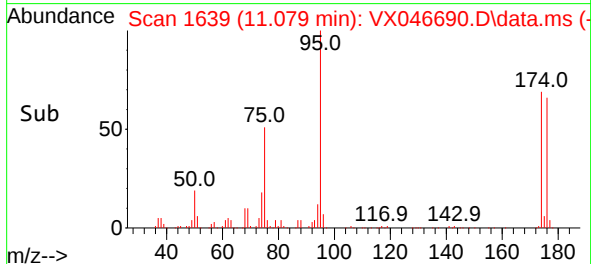
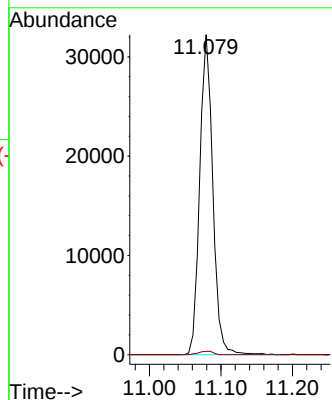
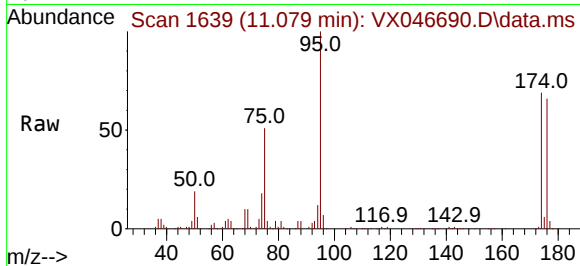




#76
1,2,3-Trichloropropane
Concen: 24.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
TP02-MH5-WC

Tgt Ion: 75 Resp: 40697
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046690.D
Acq: 13 Jun 2025 15:36

Tgt Ion: 75 Resp: 40697
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

