

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046556.D
 Acq On : 07 Jun 2025 04:52
 Operator : JC/MD
 Sample : Q2227-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP07-MHH-WC

Quant Time: Jun 07 05:26:28 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)

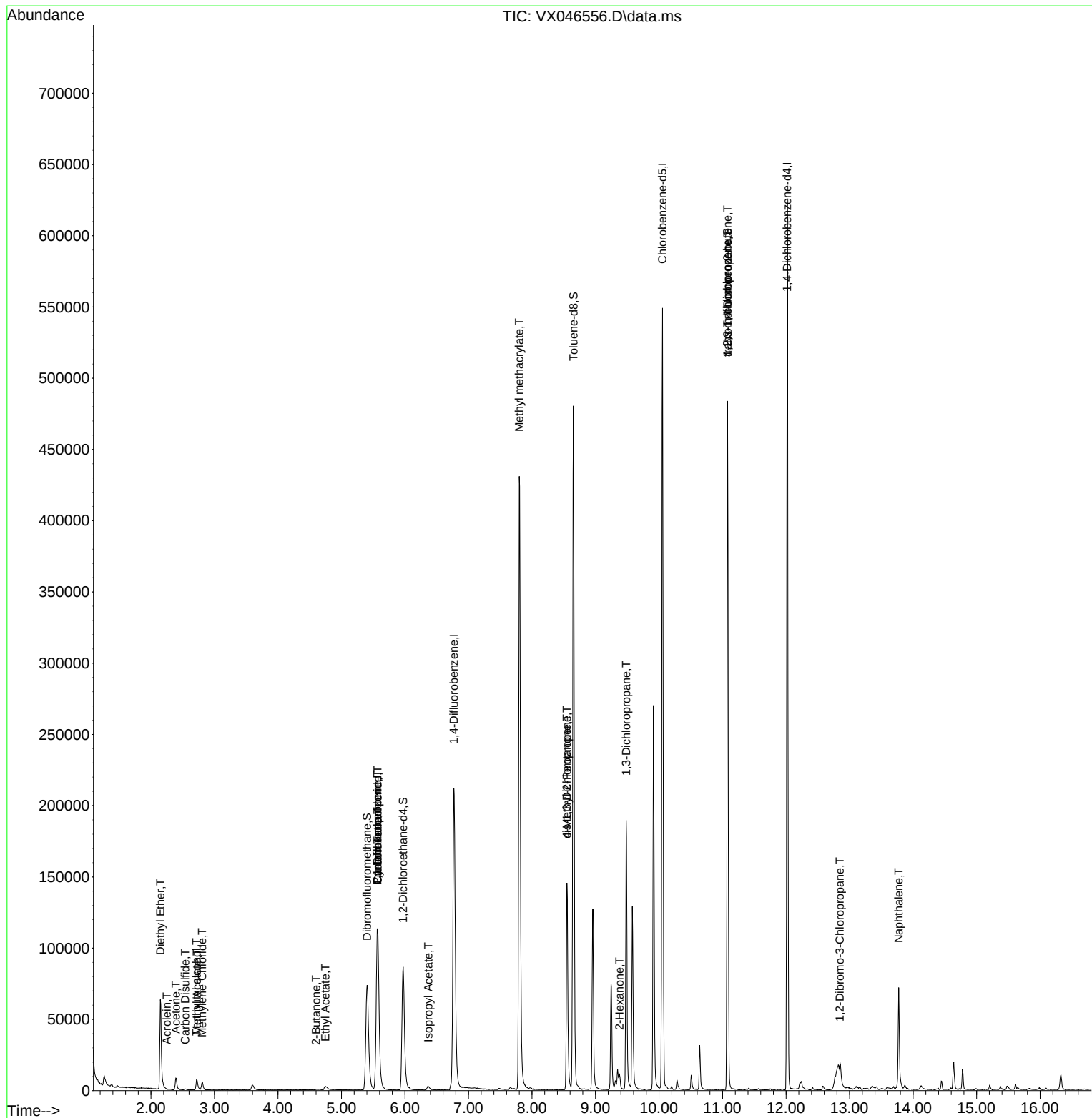
Internal Standards						
1) Pentafluorobenzene	5.562	168	108493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	118601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	93255	48.314	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	5.403	113	69860	43.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.660%		
50) Toluene-d8	8.653	98	278256	52.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.920%		
62) 4-Bromofluorobenzene	11.079	95	129355	59.500	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	119.000%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.148	74	25066	31.374	ug/l	94
11) Tert butyl alcohol	2.715	59	900	4.202	ug/l #	72
13) Acrolein	2.252	56	22	30.080	ug/l #	15
16) Acetone	2.392	43	11011	18.854	ug/l	99
17) Carbon Disulfide	2.538	76	322	0.320	ug/l #	76
18) Methyl Acetate	2.721	43	10427	4.535	ug/l	99
20) Methylene Chloride	2.806	84	2583	1.668	ug/l	93
25) 2-Butanone	4.599	43	631	0.587	ug/l #	53
31) Cyclohexane	5.568	56	2676	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10470	4.599	ug/l #	51
37) Ethyl Acetate	4.745	43	5049	2.272	ug/l #	95
38) Carbon Tetrachloride	5.568	117	12713	4.986	ug/l #	15
43) Isopropyl Acetate	6.367	43	4459	1.151	ug/l #	96
48) Methyl methacrylate	7.799	41	41883	21.015	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	53570	21.763	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22767	8.925	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	1601	0.573	ug/l #	42
59) 2-Hexanone	9.378	43	7183	4.069	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	68935	27.441	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	68935	79.157	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	12.847	75	301	0.450	ug/l #	10
95) Naphthalene	13.774	128	48983	5.582	ug/l	100

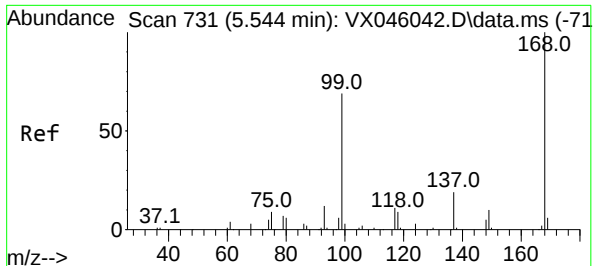
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046556.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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Quant Time: Jun 07 05:26:28 2025
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
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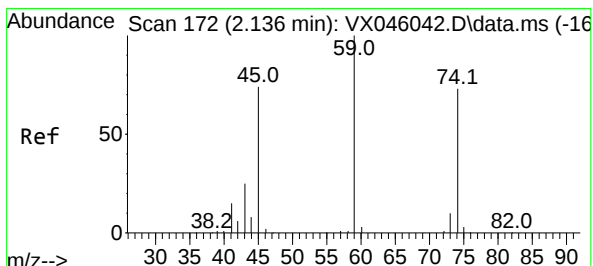
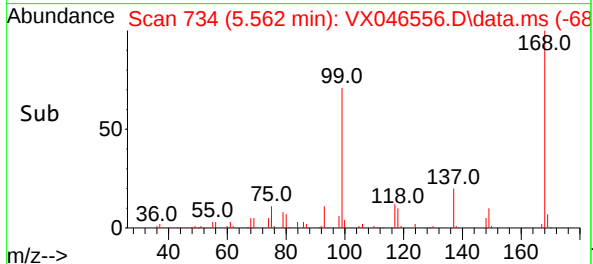
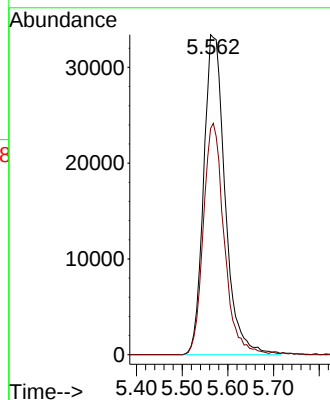
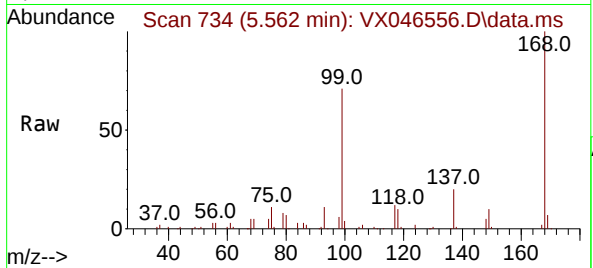




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

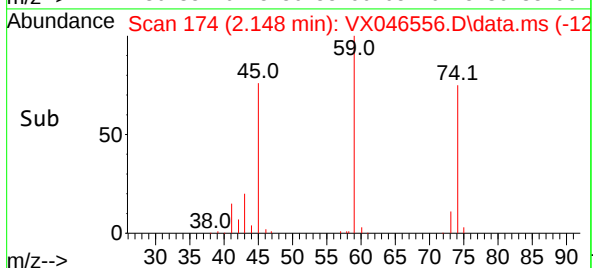
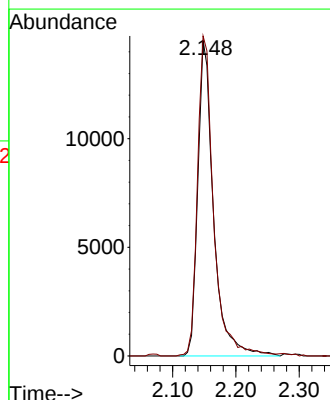
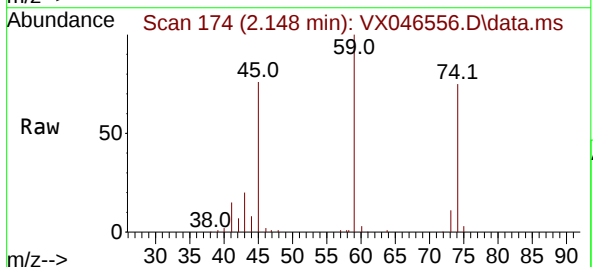
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

Tgt Ion:168 Resp: 108493
Ion Ratio Lower Upper
168 100
99 70.7 54.9 82.3



#8
Diethyl Ether
Concen: 31.374 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 74 Resp: 25066
Ion Ratio Lower Upper
74 100
45 104.0 54.9 164.8

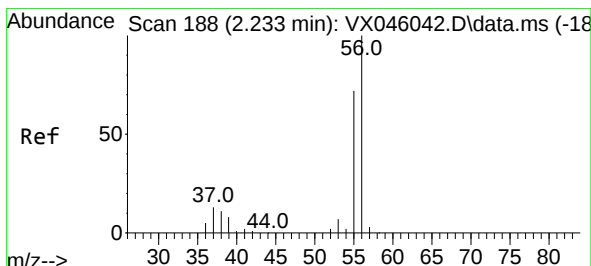
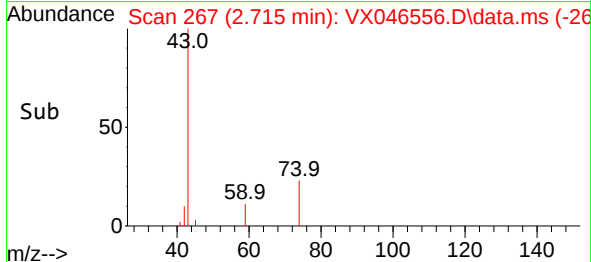
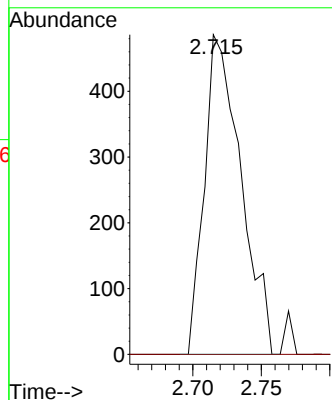
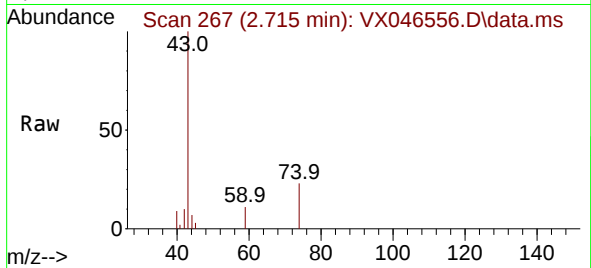




#11
Tert butyl alcohol
Concen: 4.202 ug/l
RT: 2.715 min Scan# 20
Delta R.T. -0.256 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

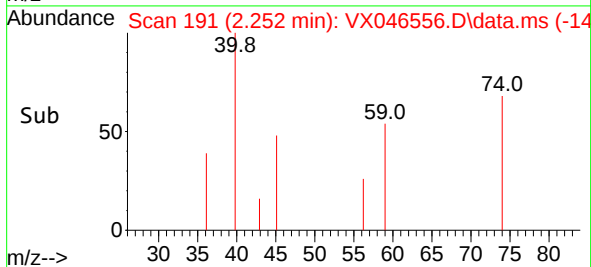
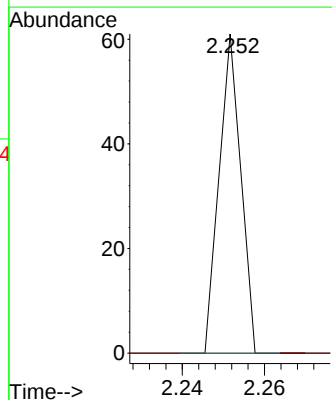
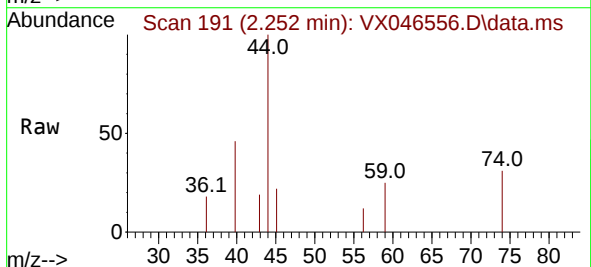
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

Tgt Ion: 59 Resp: 900
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 30.080 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.001 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

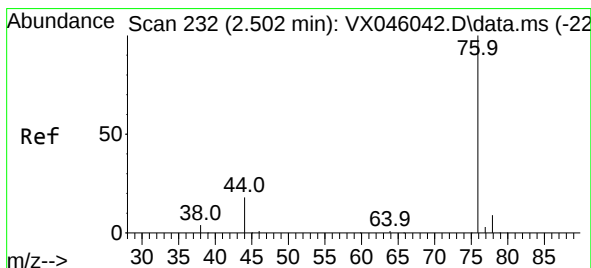
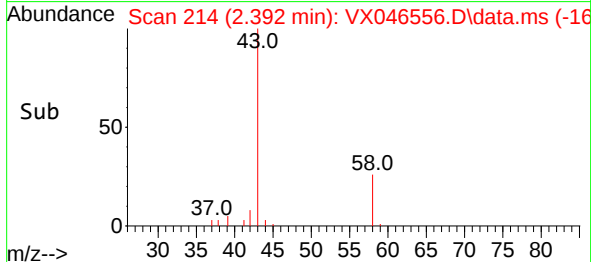
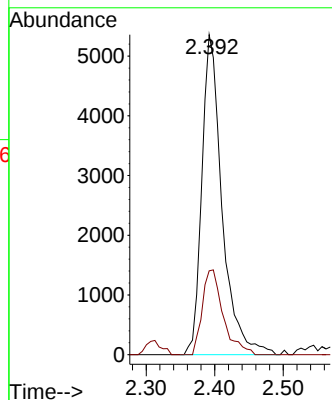
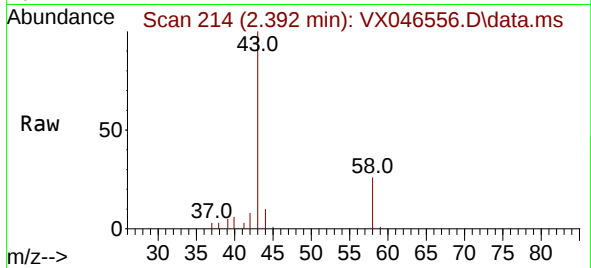




#16
Acetone
Concen: 18.854 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

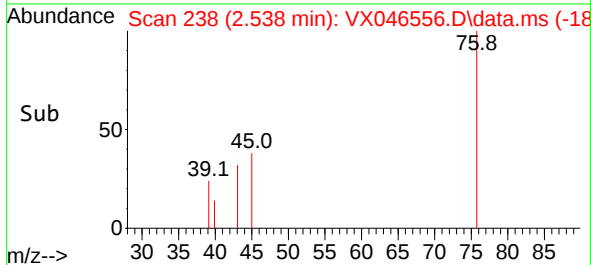
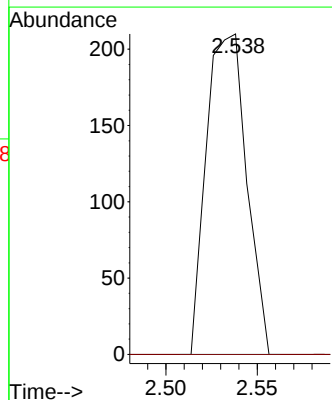
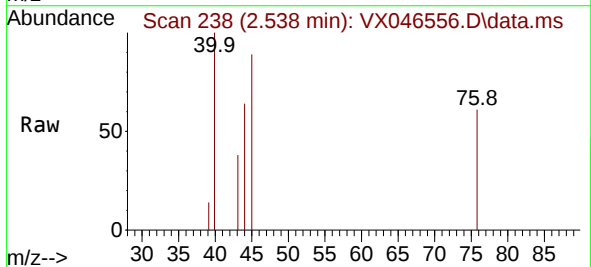
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

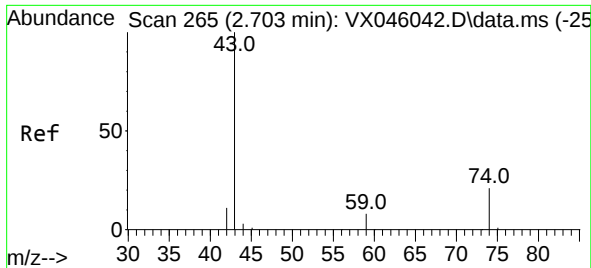
Tgt Ion: 43 Resp: 11011
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8



#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 76 Resp: 322
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4





#18

Methyl Acetate

Concen: 4.535 ug/l

RT: 2.721 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

Instrument :

MSVOA_X

ClientSampleId :

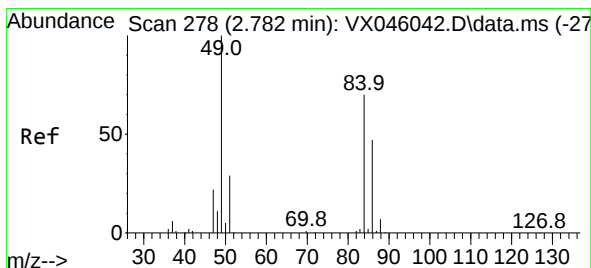
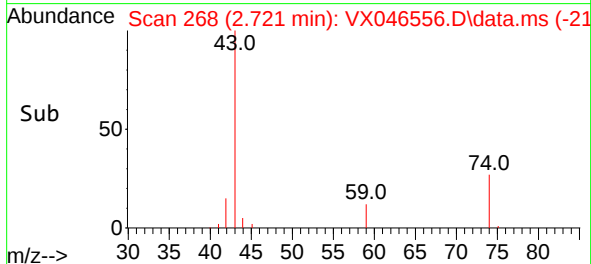
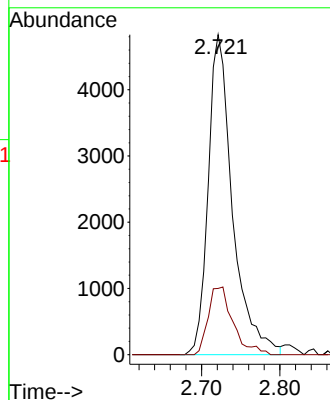
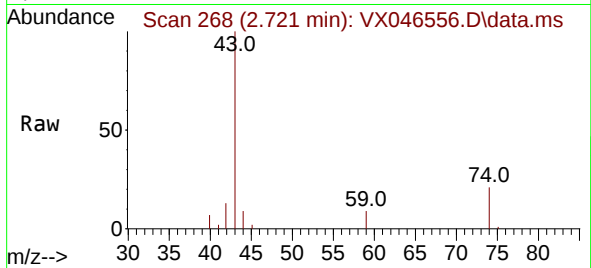
TP07-MHH-WC

Tgt Ion: 43 Resp: 10427

Ion Ratio Lower Upper

43 100

74 21.5 16.7 25.1



#20

Methylene Chloride

Concen: 1.668 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

Tgt Ion: 84 Resp: 2583

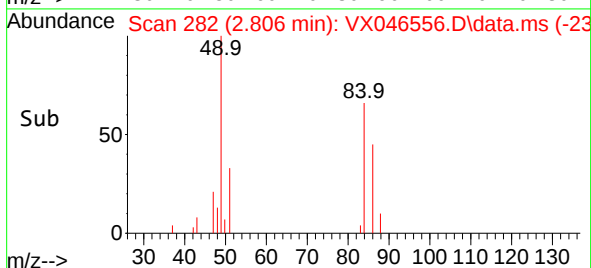
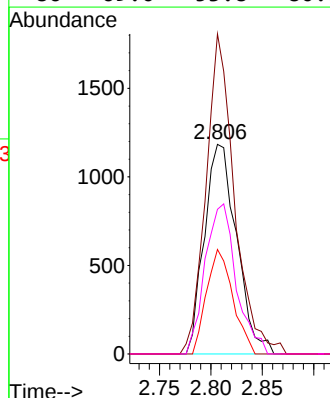
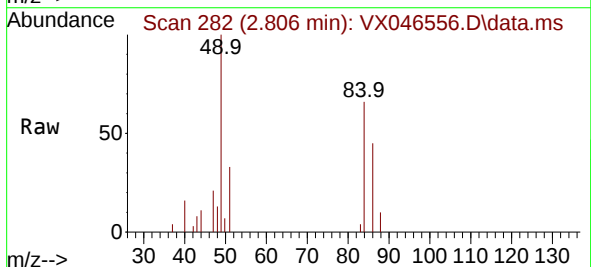
Ion Ratio Lower Upper

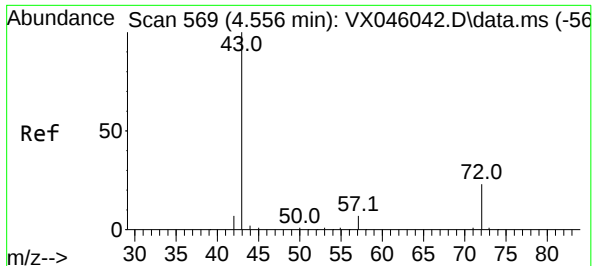
84 100

49 152.6 113.9 170.9

51 49.8 33.5 50.3

86 69.0 53.8 80.8





#25

2-Butanone

Concen: 0.587 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

Instrument :

MSVOA_X

ClientSampleId :

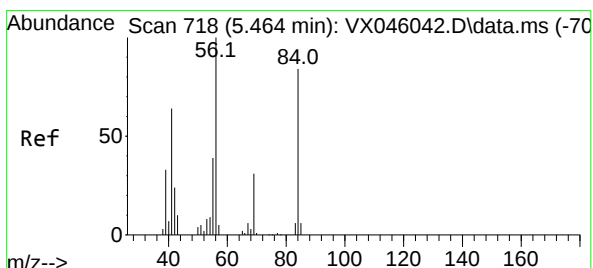
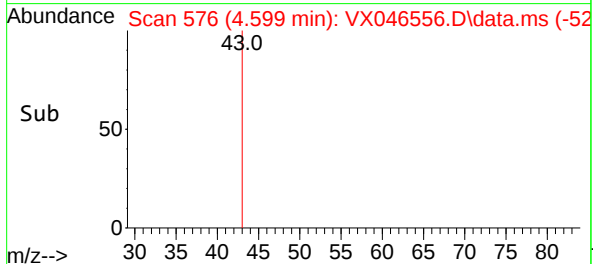
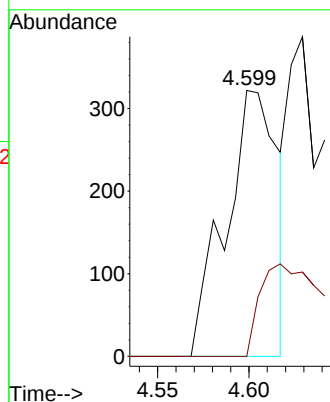
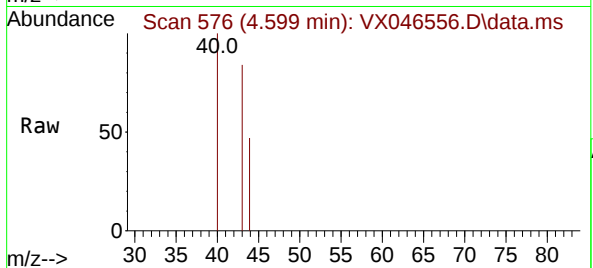
TP07-MHH-WC

Tgt Ion: 43 Resp: 631

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

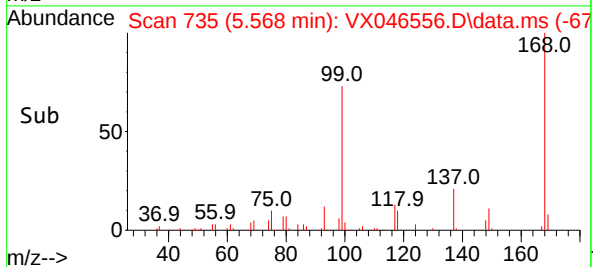
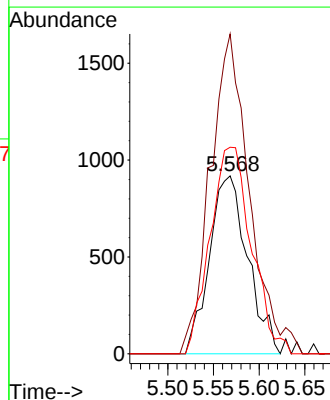
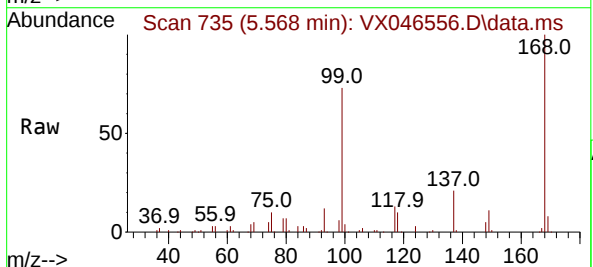
Tgt Ion: 56 Resp: 2676

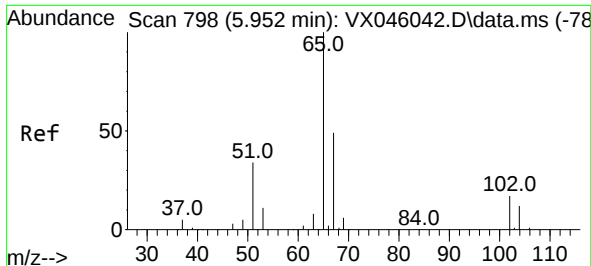
Ion Ratio Lower Upper

56 100

69 179.7 24.4 36.6#

84 116.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.314 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

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MSVOA_X

ClientSampleId :

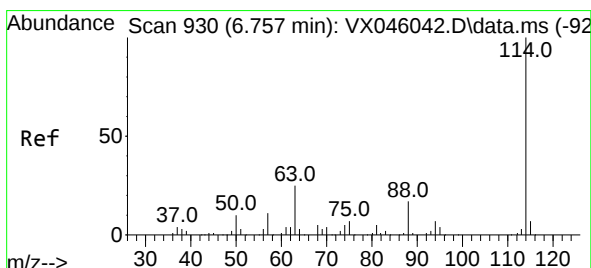
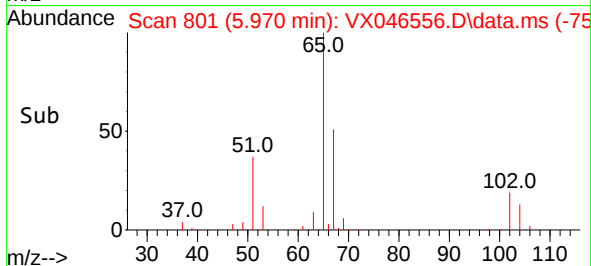
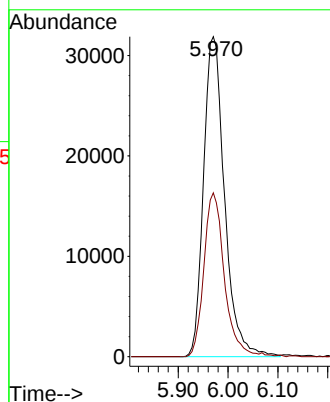
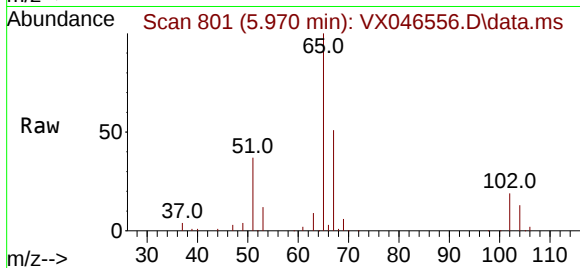
TP07-MHH-WC

Tgt Ion: 65 Resp: 93255

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046556.D

Acq: 07 Jun 2025 04:52

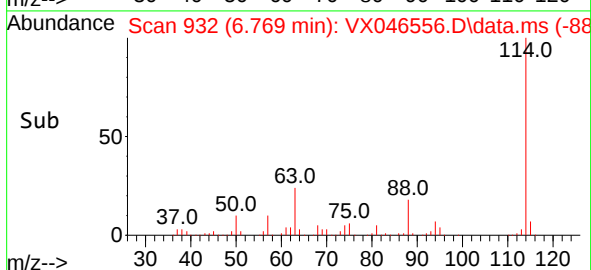
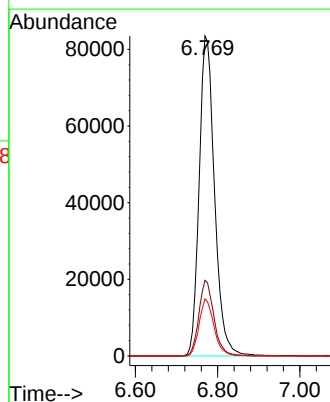
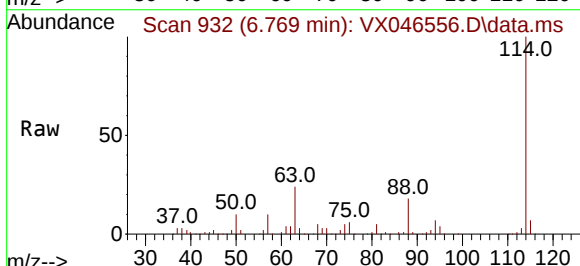
Tgt Ion: 114 Resp: 216725

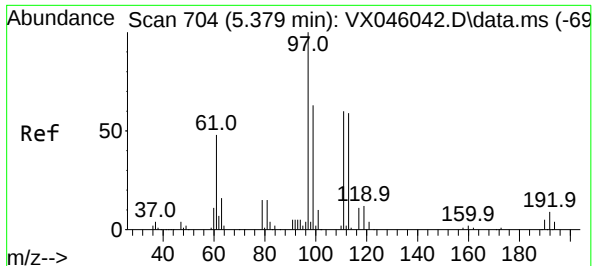
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

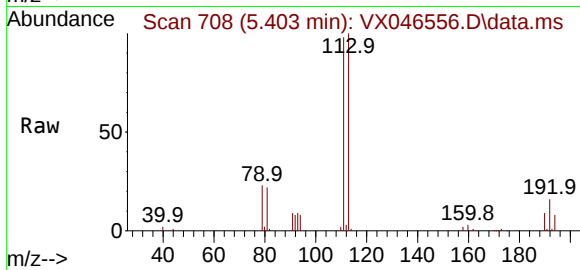
88 17.9 0.0 33.6



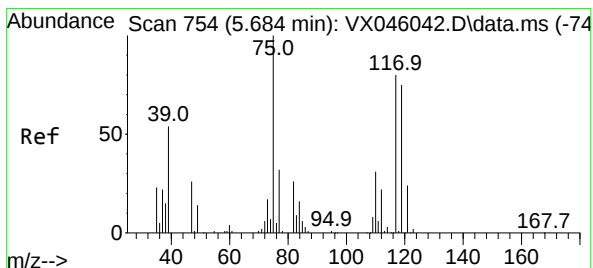
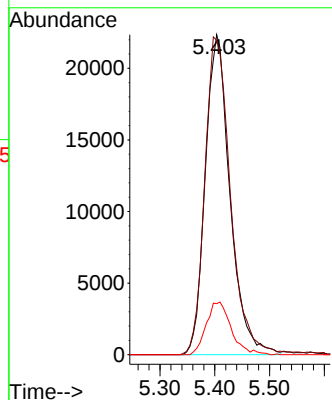
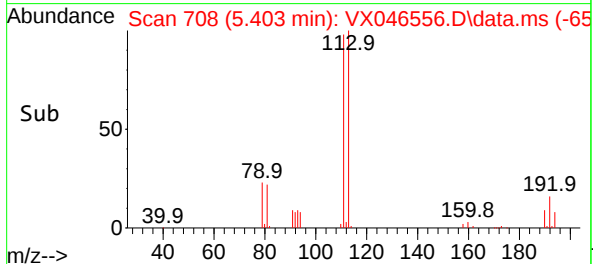


#35
Dibromofluoromethane
Concen: 43.833 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

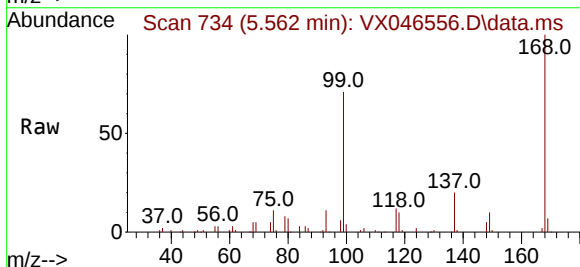
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC



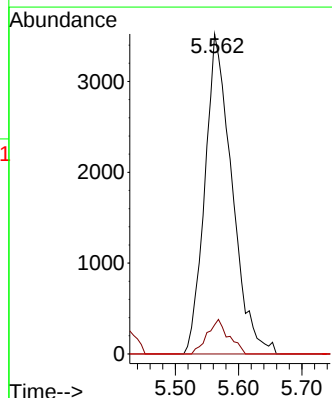
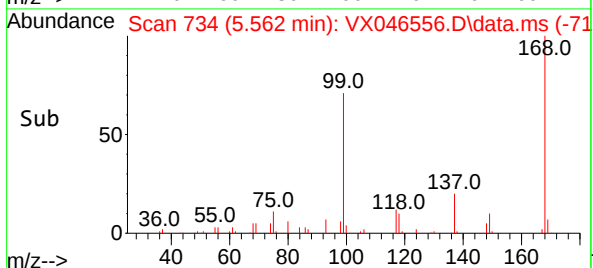
Tgt Ion:113 Resp: 69860
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 16.6 13.3 19.9

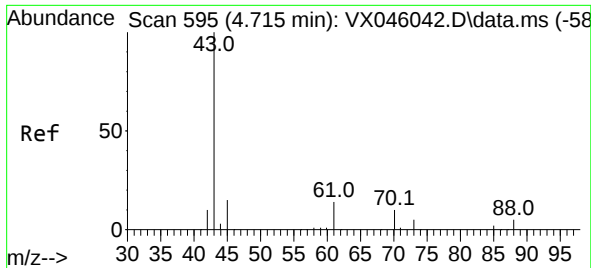


#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52



Tgt Ion: 75 Resp: 10470
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 24.3 36.5#

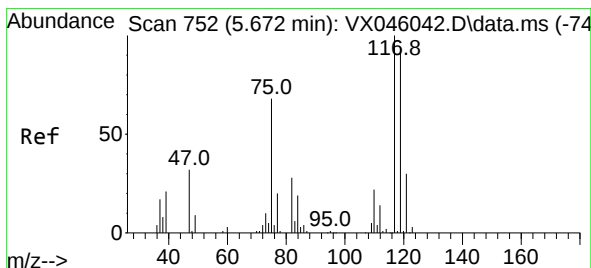
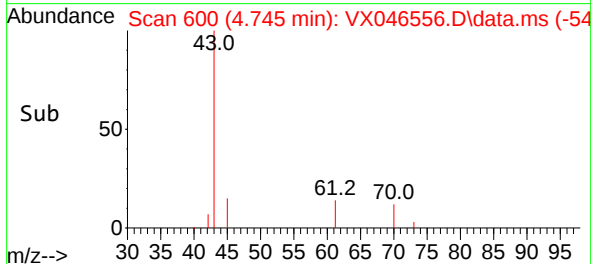
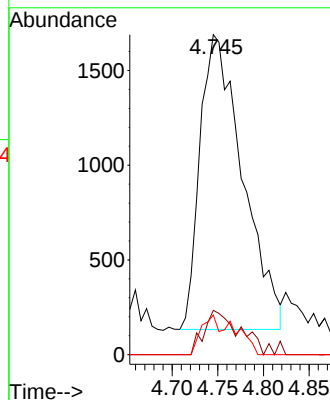
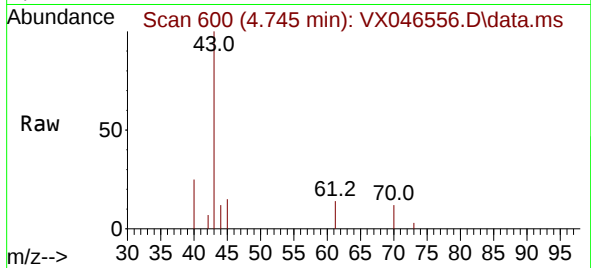




#37
Ethyl Acetate
Concen: 2.272 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

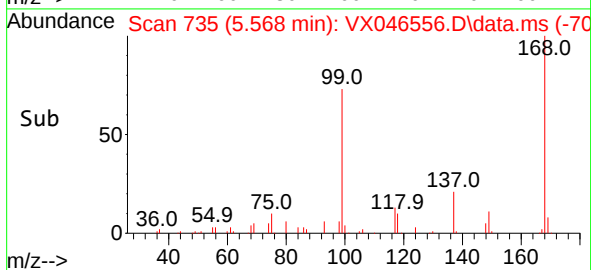
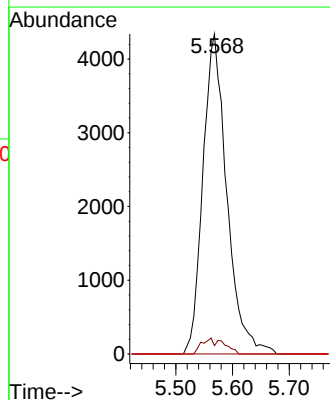
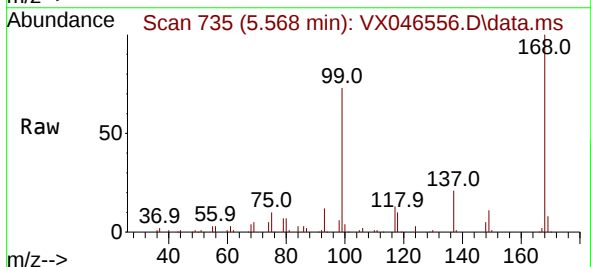
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

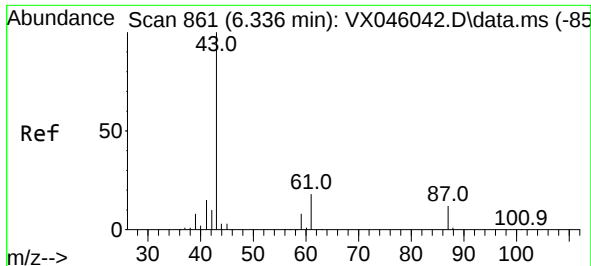
Tgt Ion: 43 Resp: 5049
Ion Ratio Lower Upper
43 100
61 12.3 10.3 15.5
70 6.3 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 117 Resp: 12713
Ion Ratio Lower Upper
117 100
119 2.6 75.2 112.8#
121 0.0 24.2 36.4#

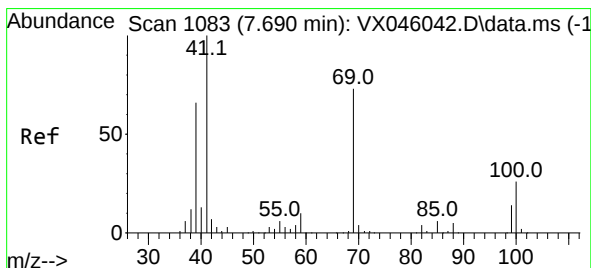
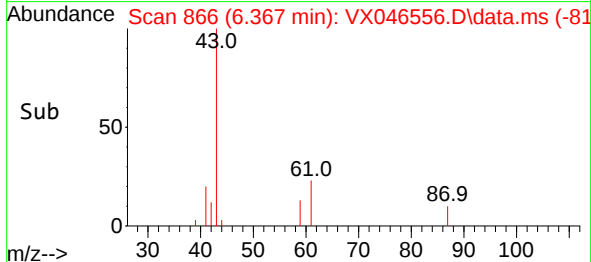
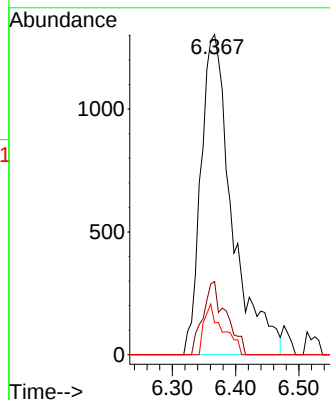
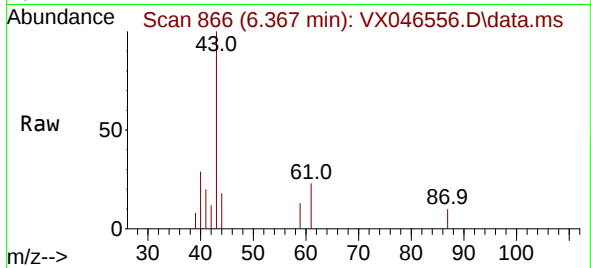




#43
Isopropyl Acetate
Concen: 1.151 ug/l
RT: 6.367 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

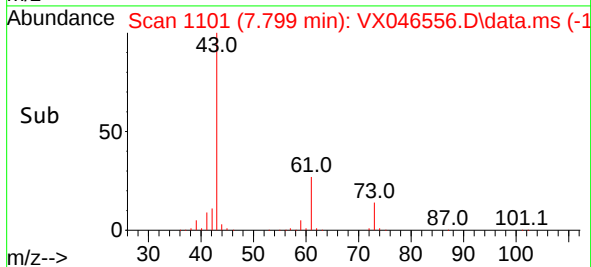
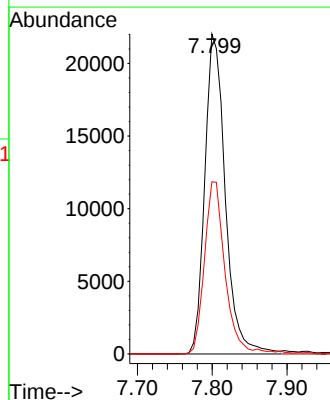
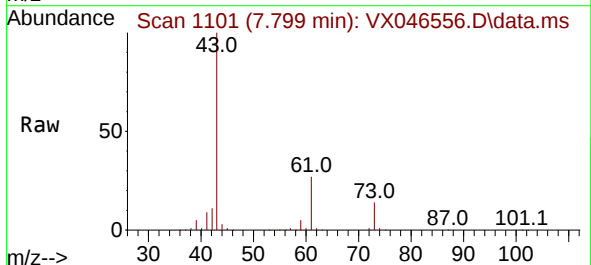
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

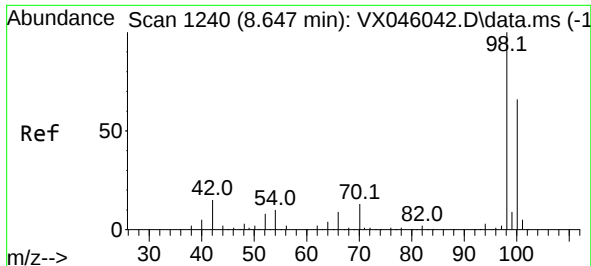
Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
61 17.0 14.3 21.5
87 9.5 9.5 14.3#



#48
Methyl methacrylate
Concen: 21.015 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 41 Resp: 41883
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.6 51.7 77.5

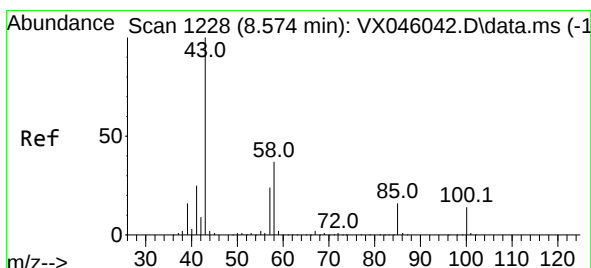
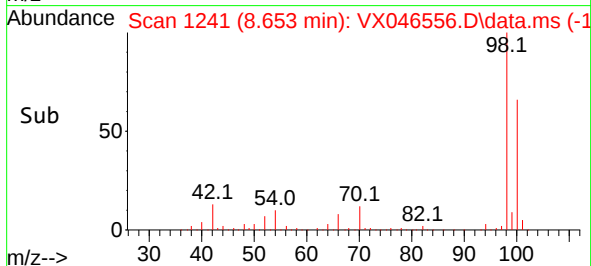
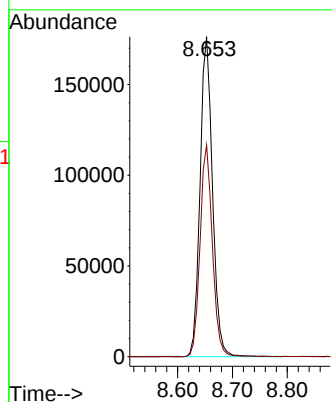
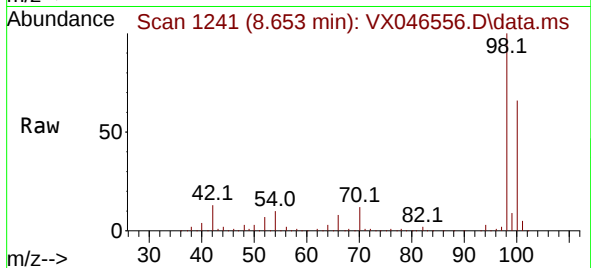




#50
Toluene-d8
Concen: 52.956 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

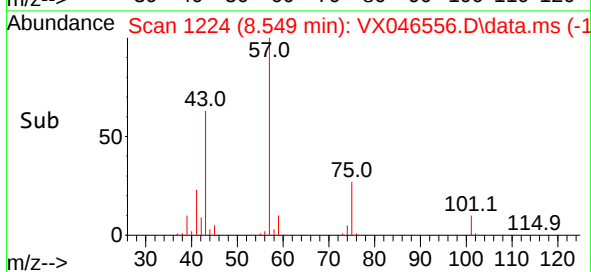
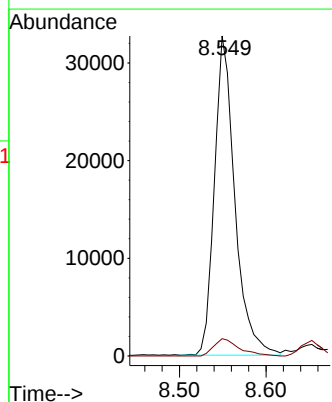
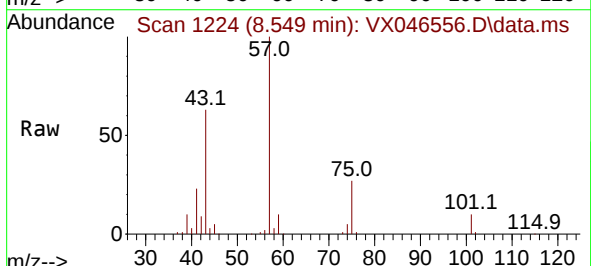
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

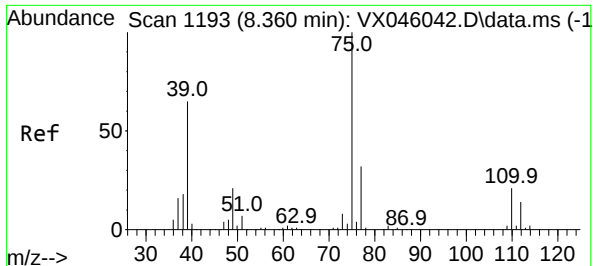
Tgt Ion: 98 Resp: 278256
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.763 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 43 Resp: 53570
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#

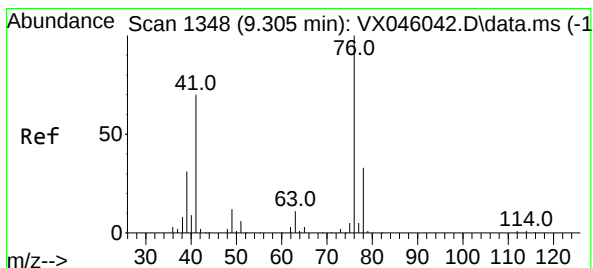
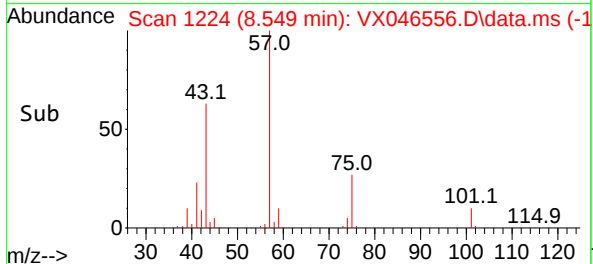
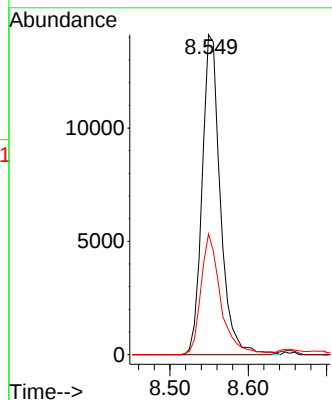
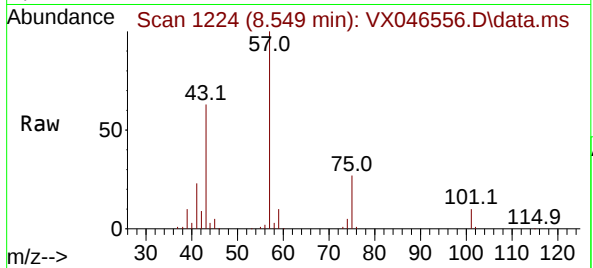




#54
 cis-1,3-Dichloropropene
 Concen: 8.925 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046556.D
 Acq: 07 Jun 2025 04:52

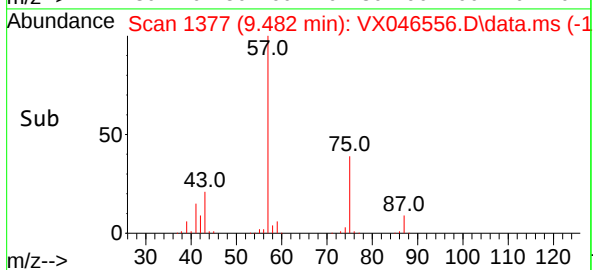
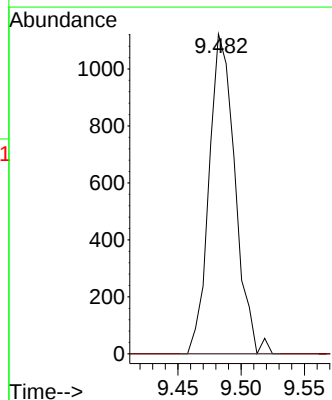
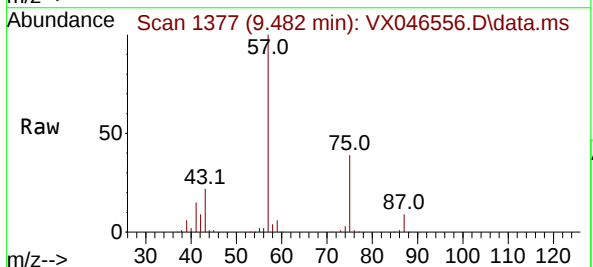
Instrument :
 MSVOA_X
 ClientSampleId :
 TP07-MHH-WC

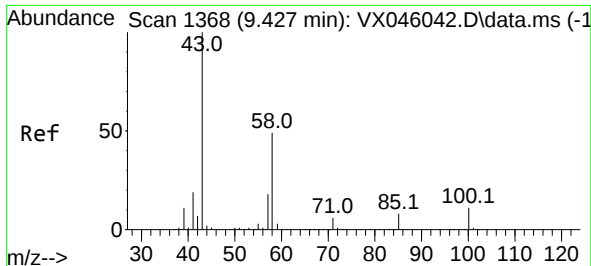
Tgt Ion: 75 Resp: 22767
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 37.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.573 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046556.D
 Acq: 07 Jun 2025 04:52

Tgt Ion: 76 Resp: 1601
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

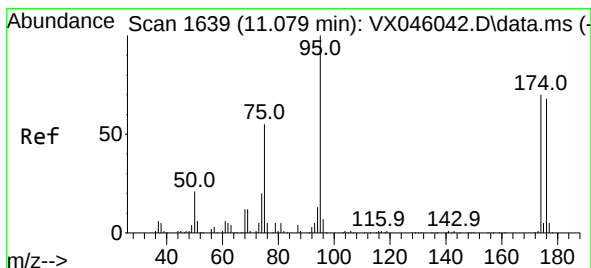
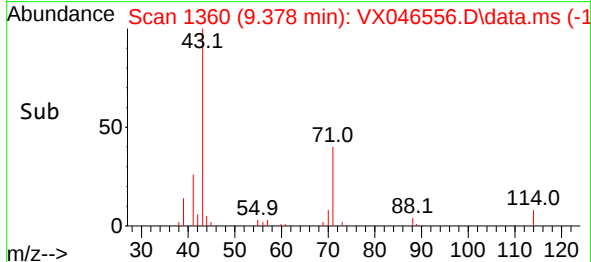
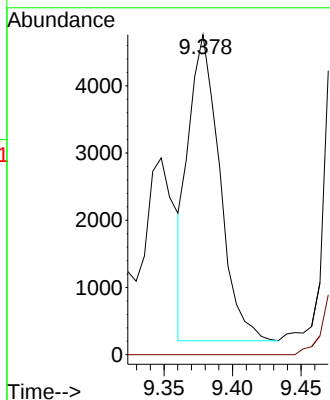
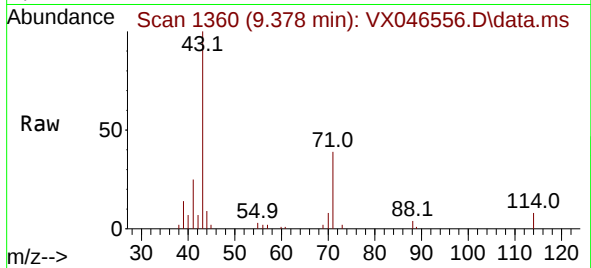




#59
2-Hexanone
Concen: 4.069 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

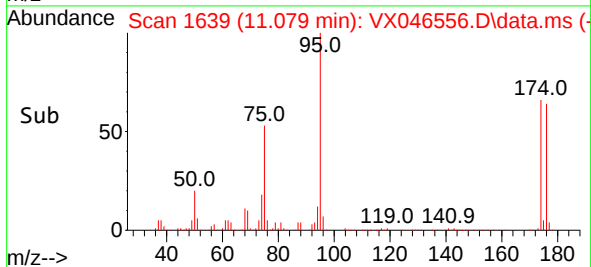
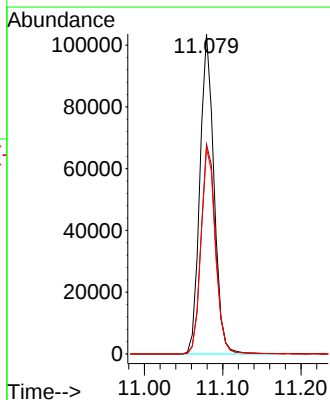
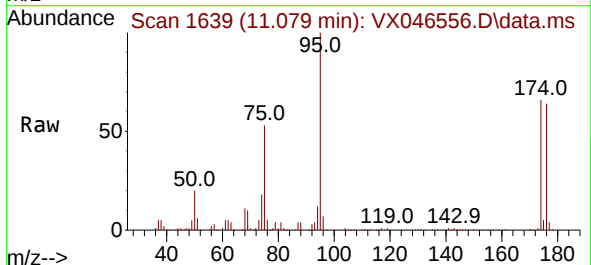
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

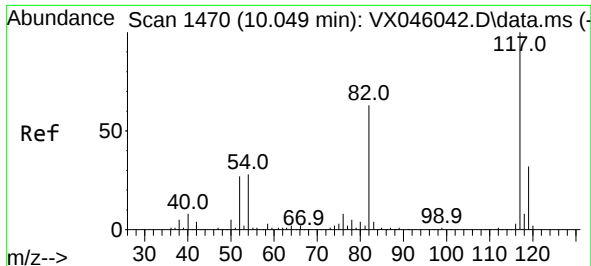
Tgt Ion: 43 Resp: 7183
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 59.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 95 Resp: 129355
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 65.6 0.0 131.4

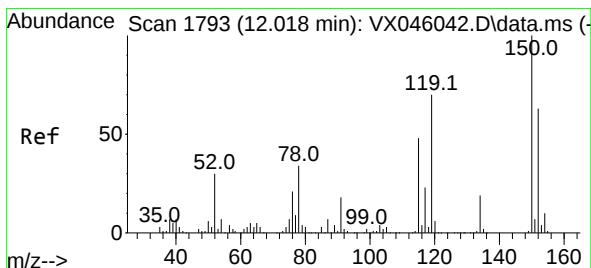
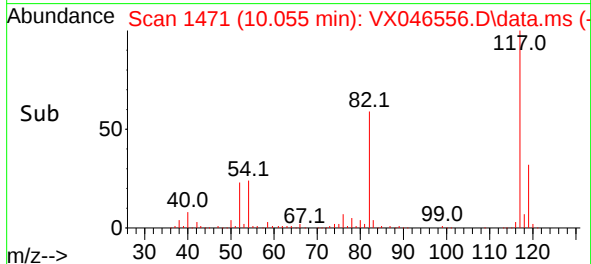
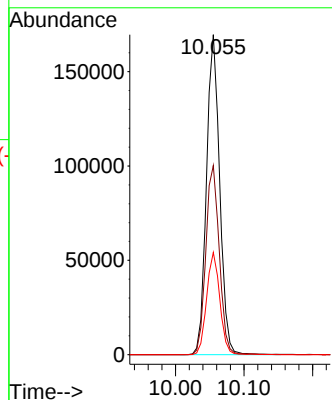
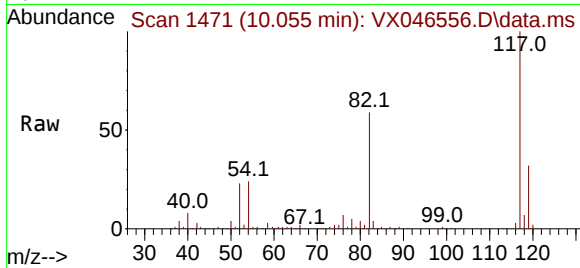




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

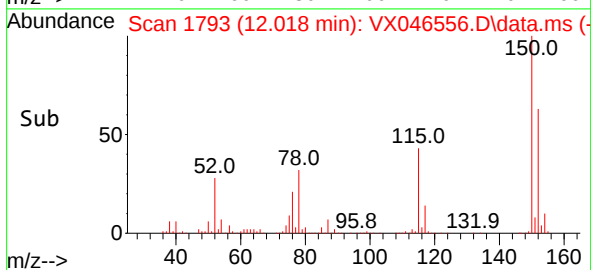
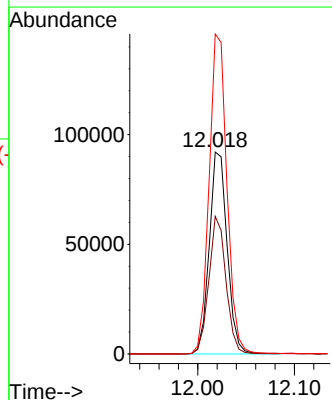
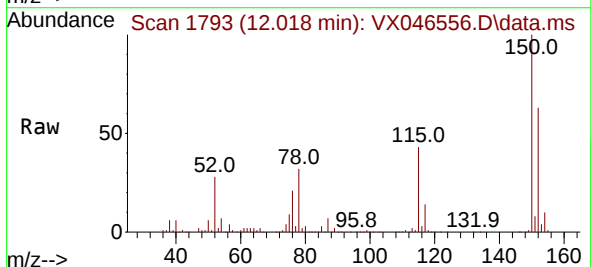
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

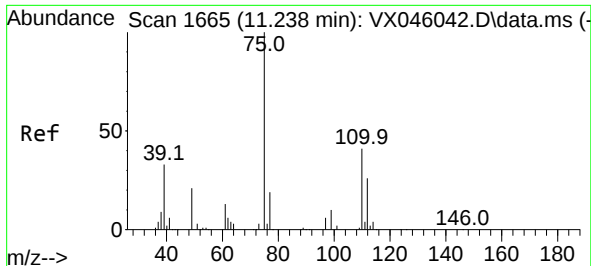
Tgt Ion:117 Resp: 227487
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion:152 Resp: 118601
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 157.9 0.0 351.0

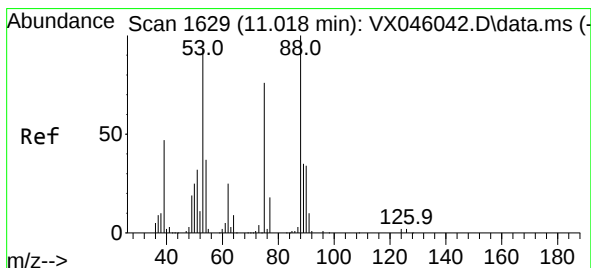
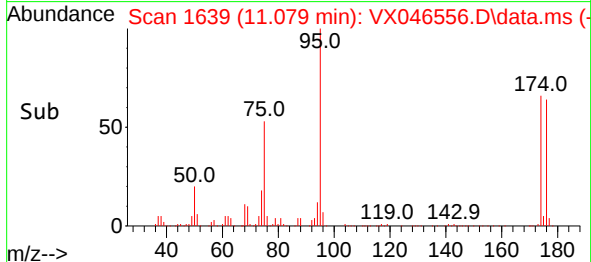
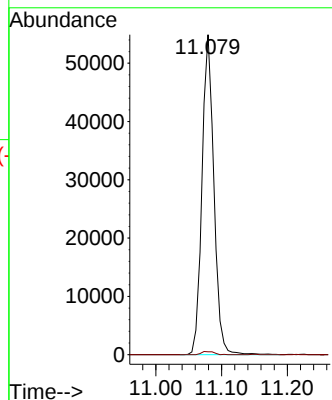
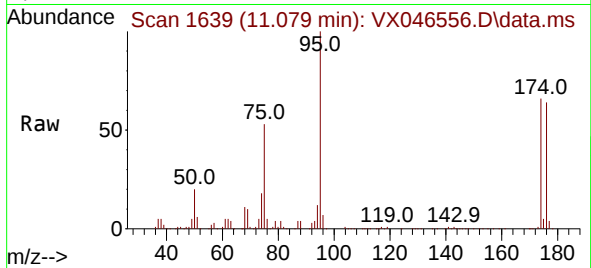




#76
1,2,3-Trichloropropane
Concen: 27.441 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

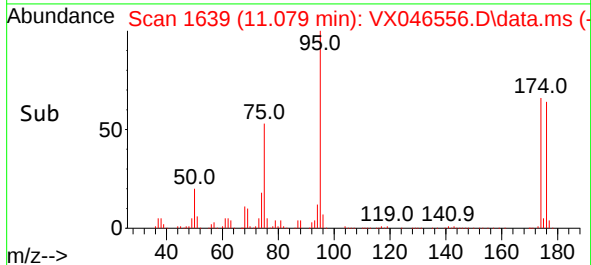
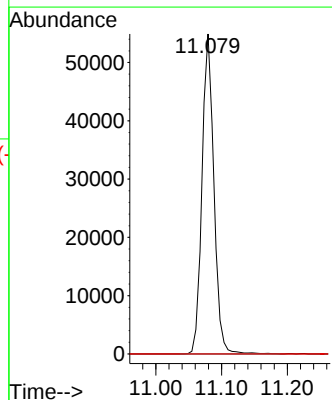
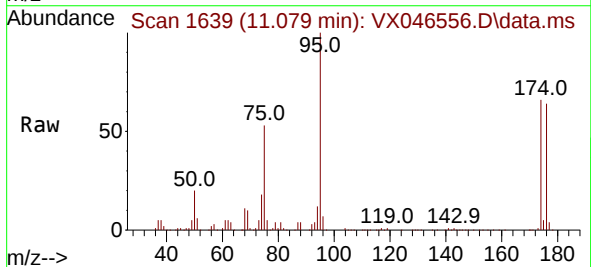
Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

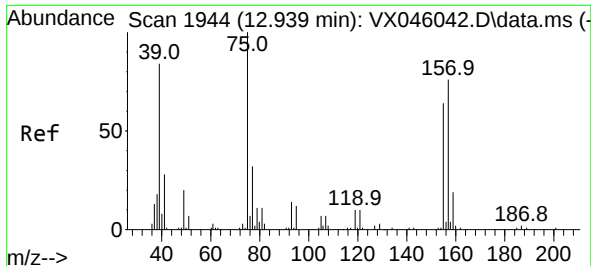
Tgt Ion: 75 Resp: 68935
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 75 Resp: 68935
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

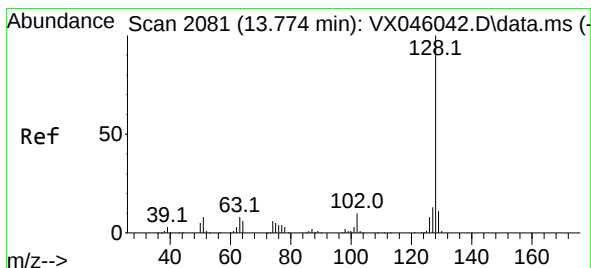
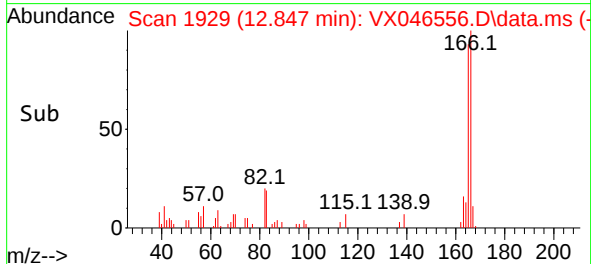
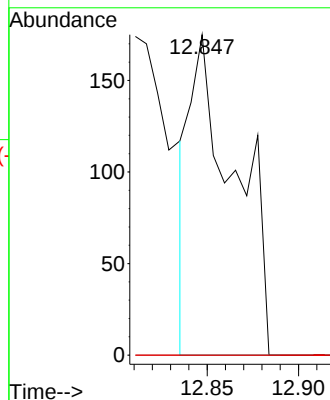
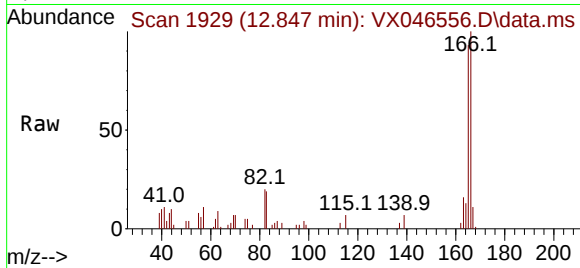




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.450 ug/l
RT: 12.847 min Scan# 1944
Delta R.T. -0.092 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Instrument :
MSVOA_X
ClientSampleId :
TP07-MHH-WC

Tgt Ion: 75 Resp: 301
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.8#
157 0.0 43.8 131.4#



#95
Naphthalene
Concen: 5.582 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046556.D
Acq: 07 Jun 2025 04:52

Tgt Ion: 128 Resp: 48983
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 13.0

