

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046997.D
 Acq On : 15 Jul 2025 13:33
 Operator : JC/MD
 Sample : Q2578-17RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-12-GRE

Quant Time: Jul 16 02:25:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

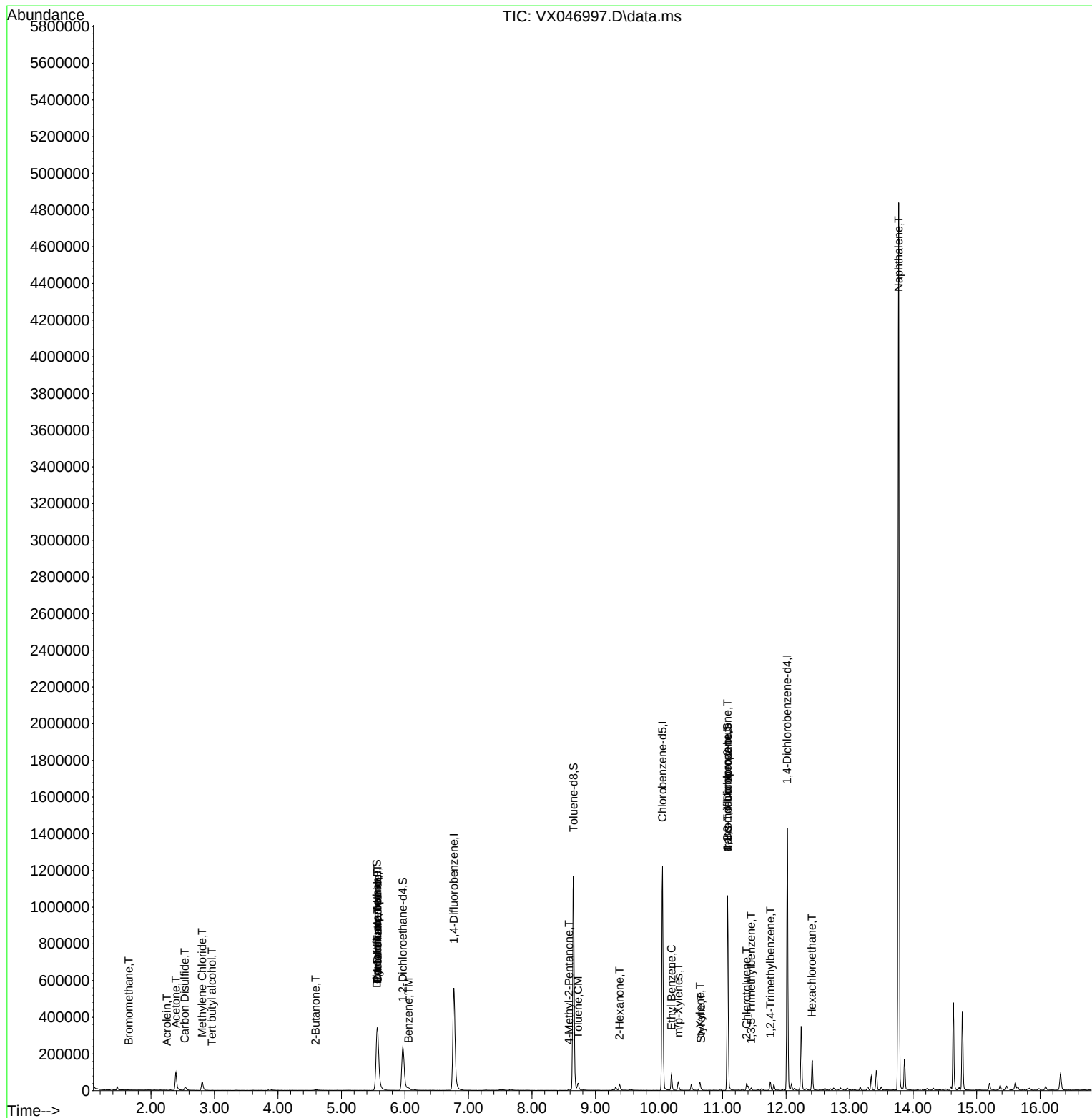
Internal Standards						
1) Pentafluorobenzene	5.562	168	350455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	600394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	550333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	280923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	250178	54.036	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.080%			
35) Dibromofluoromethane	5.556	113	825	0.202	ug/l	0.16
Spiked Amount 50.000	Range 75 - 124		Recovery = 0.400%#			
50) Toluene-d8	8.653	98	694124	48.273	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.540%			
62) 4-Bromofluorobenzene	11.079	95	286844	52.488	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.980%			
Target Compounds						Qvalue
5) Bromomethane	1.648	94	703	0.274	ug/l #	56
11) Tert butyl alcohol	2.959	59	211	0.695	ug/l #	72
13) Acrolein	2.252	56	105	3.144	ug/l #	68
16) Acetone	2.392	43	115475	80.295	ug/l	97
17) Carbon Disulfide	2.532	76	2862	0.287	ug/l #	74
20) Methylene Chloride	2.806	84	22671	5.331	ug/l	91
25) 2-Butanone	4.593	43	4453	2.321	ug/l	99
31) Cyclohexane	5.568	56	6173	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	28915	5.259	ug/l #	47
38) Carbon Tetrachloride	5.568	117	36225	6.231	ug/l #	16
40) Benzene	6.056	78	12400	0.746	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	4926	1.164	ug/l	97
52) Toluene	8.726	92	14308	1.388	ug/l	100
59) 2-Hexanone	9.378	43	25286	9.005	ug/l #	24
67) Ethyl Benzene	10.195	91	48920	2.401	ug/l	97
68) m/p-Xylenes	10.305	106	11811	1.538	ug/l	97
69) o-Xylene	10.646	106	9530	1.285	ug/l	98
70) Styrene	10.659	104	3563	0.281	ug/l #	69
76) 1,2,3-Trichloropropane	11.079	75	148572	34.228	ug/l #	36
79) 2-Chlorotoluene	11.378	91	3665	0.261	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	6054	0.377	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	148572	91.851	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	21789	1.343	ug/l	90
90) Hexachloroethane	12.408	117	6895	2.223	ug/l #	14
95) Naphthalene	13.774	128	2870050	179.838	ug/l	100

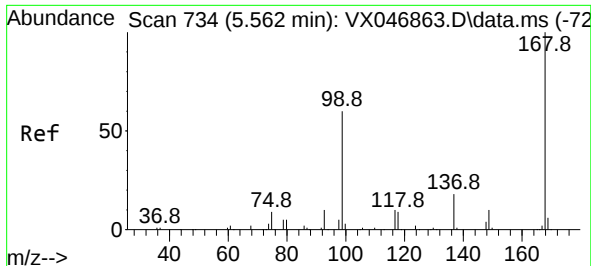
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046997.D
Acq On : 15 Jul 2025 13:33
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Sample : Q2578-17RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

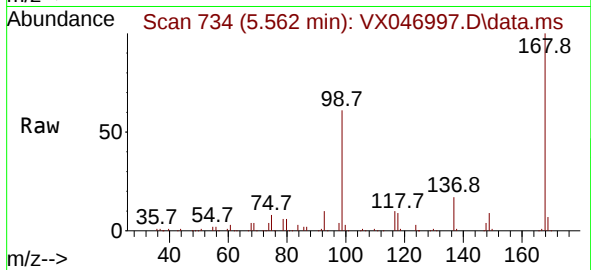
Quant Time: Jul 16 02:25:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



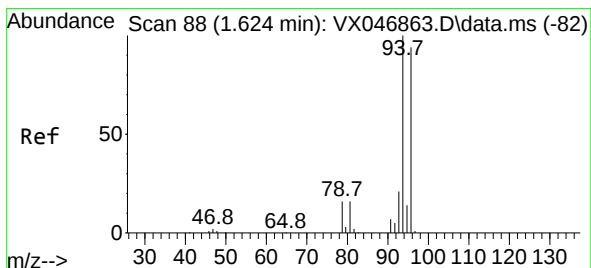
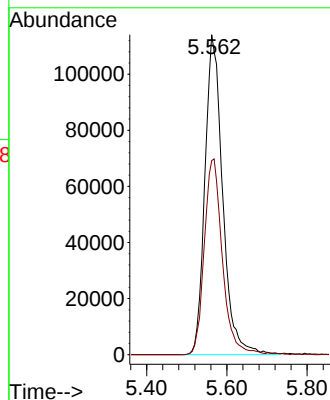
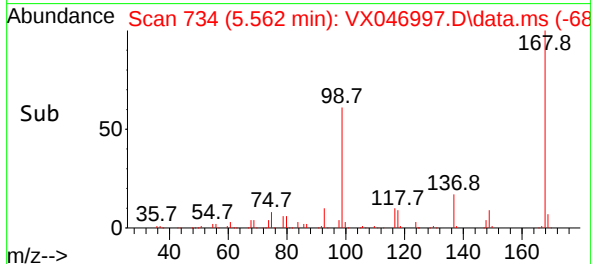


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

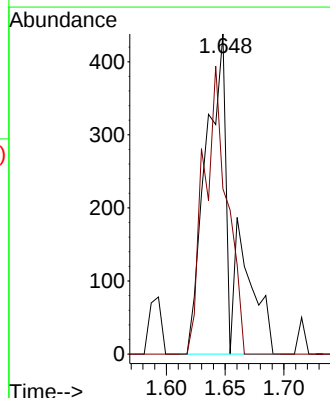
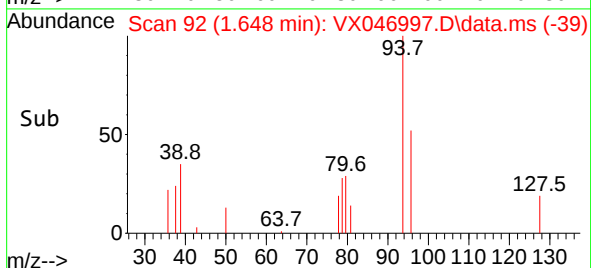
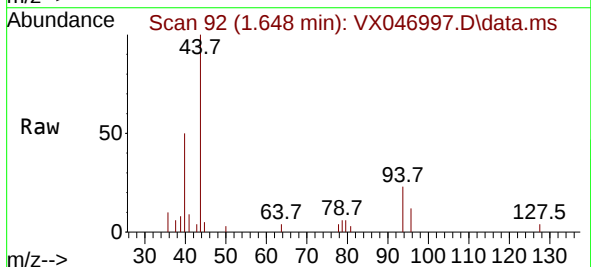


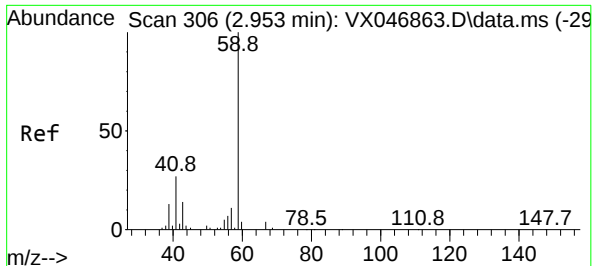
Tgt Ion:168 Resp: 350455
Ion Ratio Lower Upper
168 100
99 60.7 48.8 73.2



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.024 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 94 Resp: 703
Ion Ratio Lower Upper
94 100
96 51.6 75.5 113.3#





#11

Tert butyl alcohol

Concen: 0.695 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX046997.D

Acq: 15 Jul 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

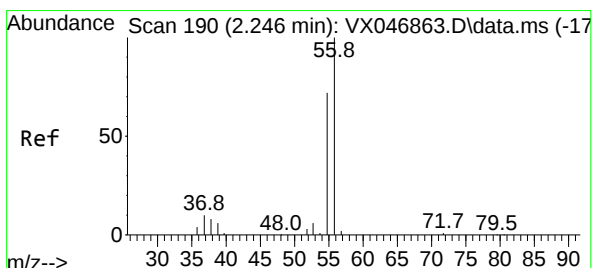
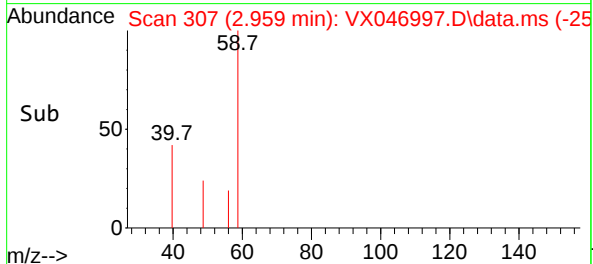
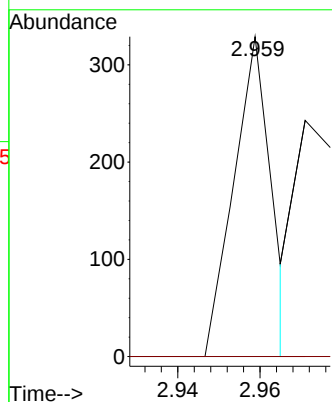
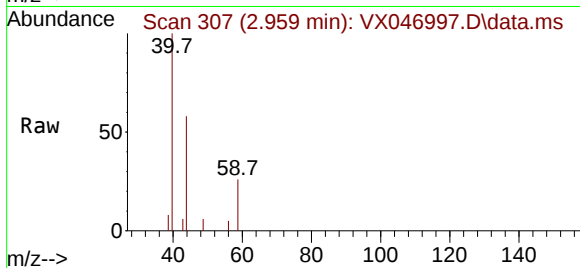
WC-A2-12-GRE

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 3.144 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX046997.D

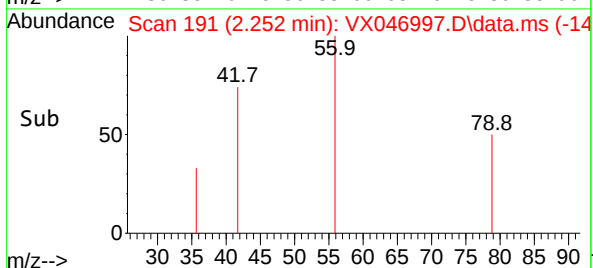
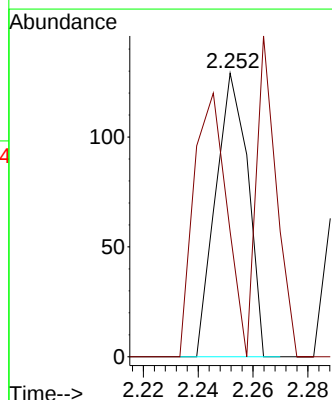
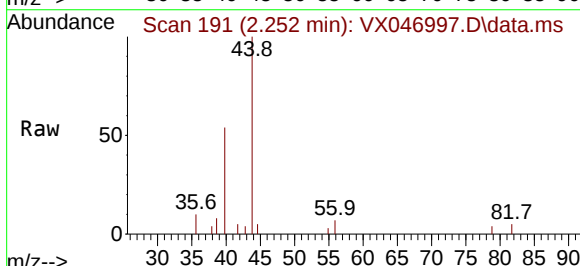
Acq: 15 Jul 2025 13:33

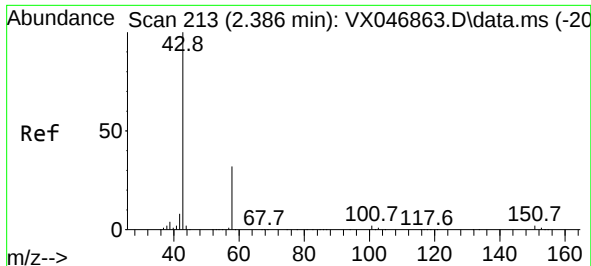
Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 95.2 55.5 83.3#

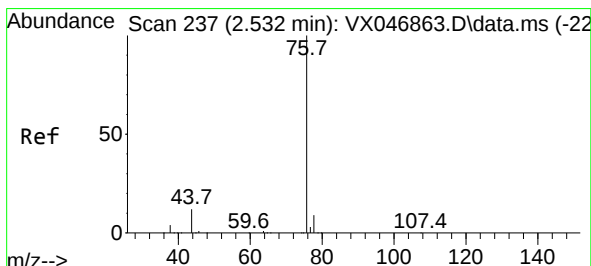
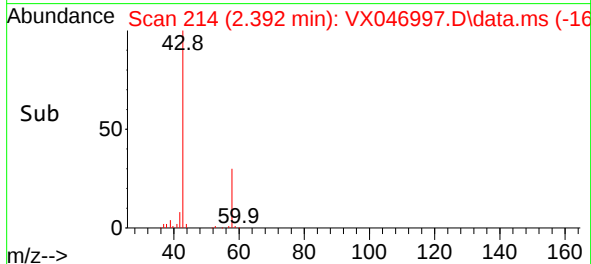
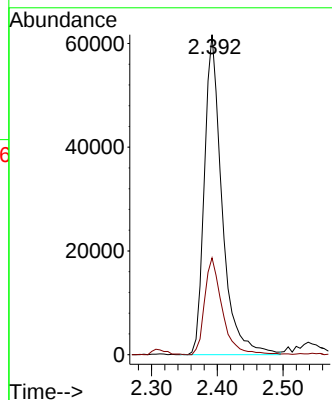
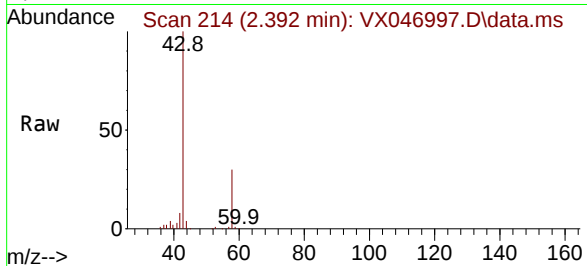




#16
Acetone
Concen: 80.295 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

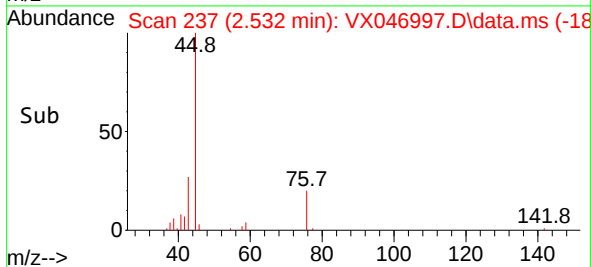
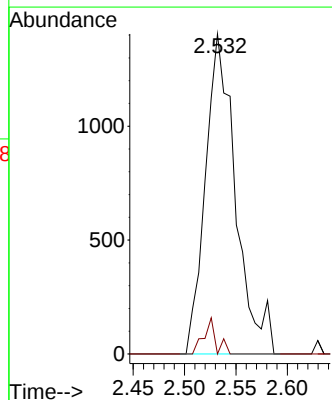
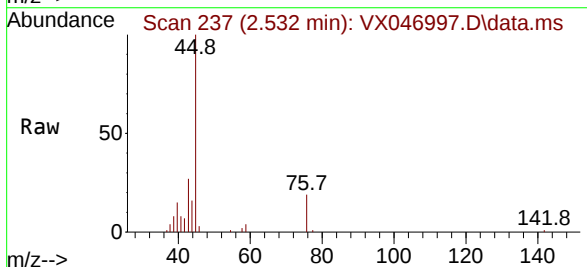
Instrument :
MSVOA_X
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WC-A2-12-GRE

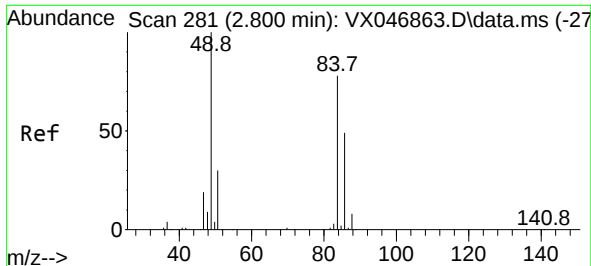
Tgt Ion: 43 Resp: 115475
Ion Ratio Lower Upper
43 100
58 30.3 25.8 38.6



#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 76 Resp: 2862
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

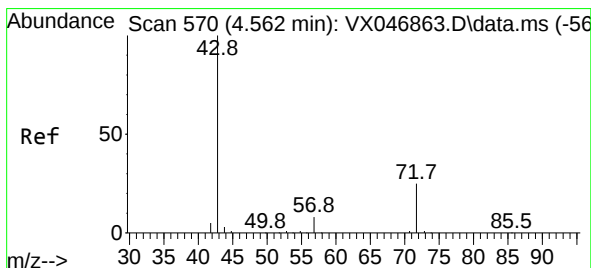
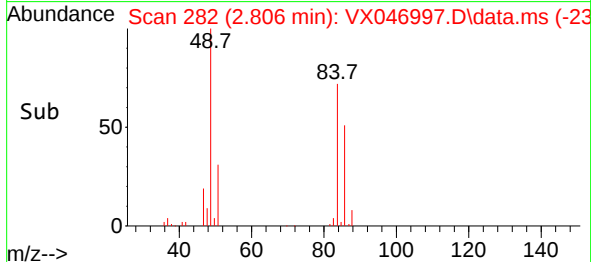
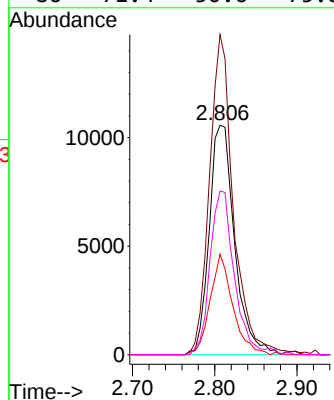
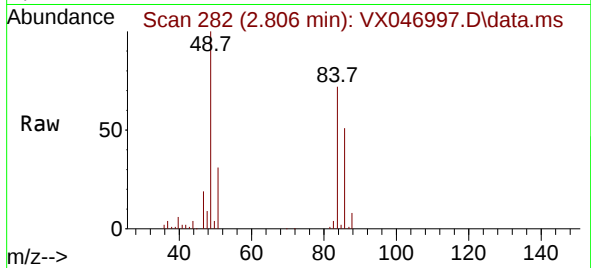




#20
Methylene Chloride
Concen: 5.331 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

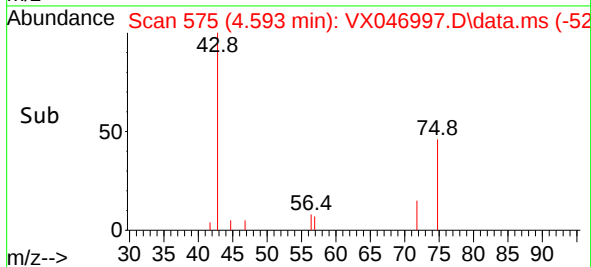
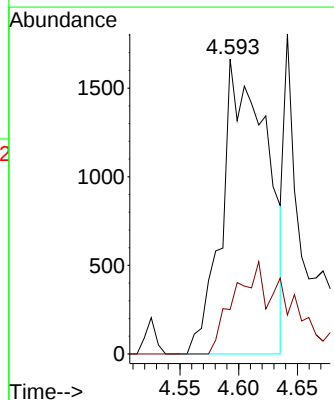
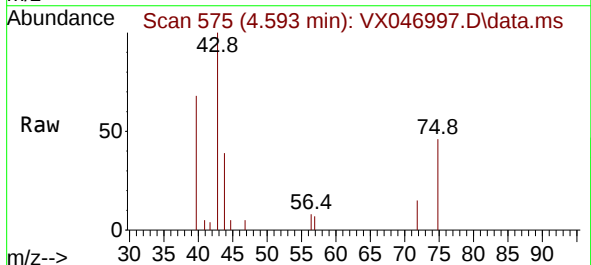
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

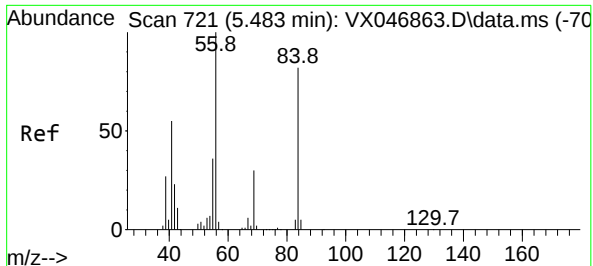
Tgt Ion: 84 Resp: 22671
Ion Ratio Lower Upper
84 100
49 139.4 102.8 154.2
51 43.8 31.1 46.7
86 71.4 50.6 75.8



#25
2-Butanone
Concen: 2.321 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.030 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 43 Resp: 4453
Ion Ratio Lower Upper
43 100
72 24.6 20.0 30.0

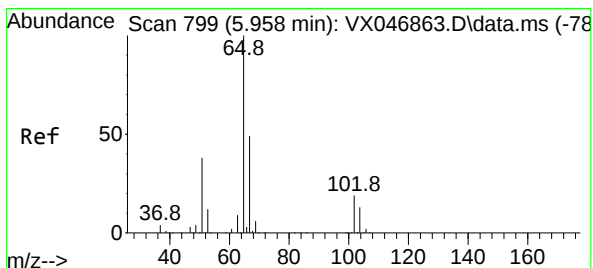
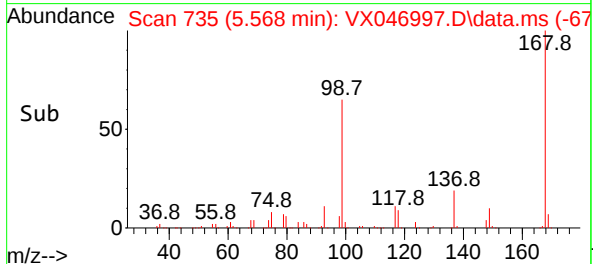
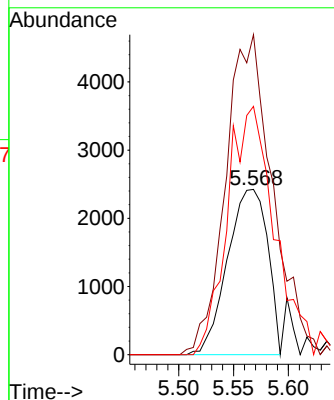
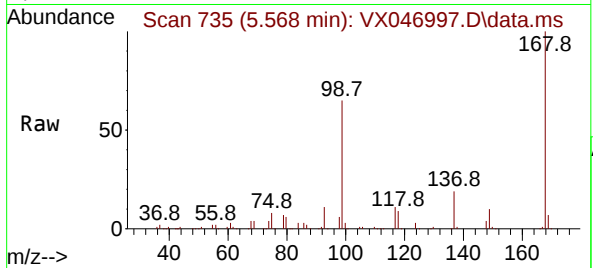




#31
Cyclohexane
Concen: 0.933 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

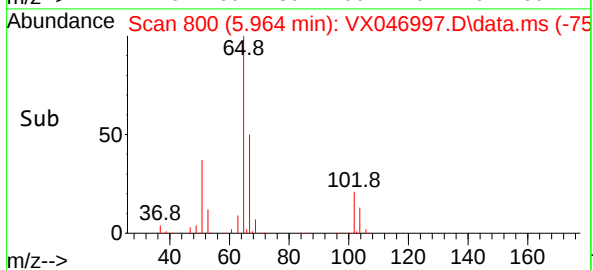
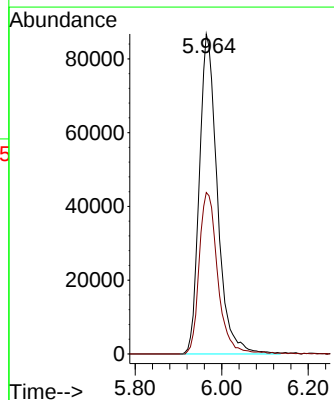
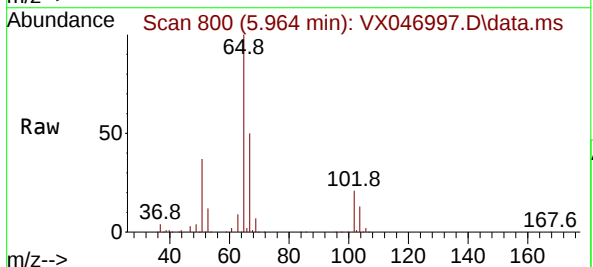
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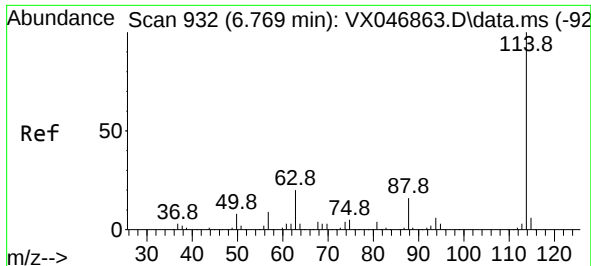
Tgt Ion: 56 Resp: 6173
Ion Ratio Lower Upper
56 100
69 193.7 24.0 36.0#
84 150.3 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 54.036 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 65 Resp: 250178
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2

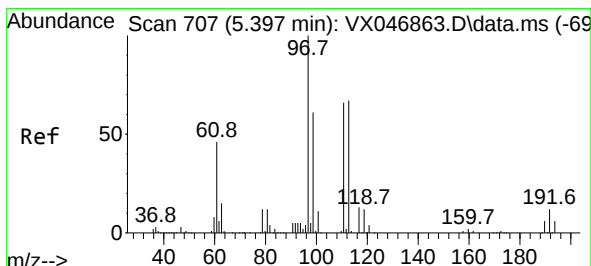
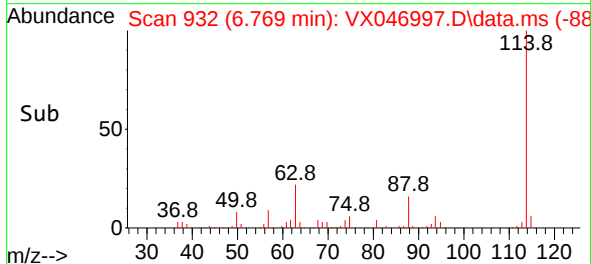
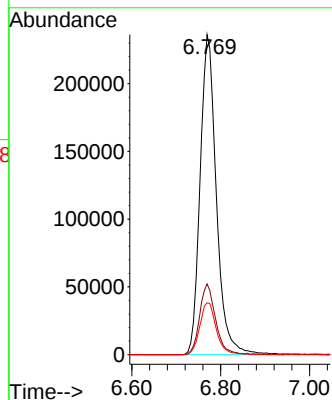
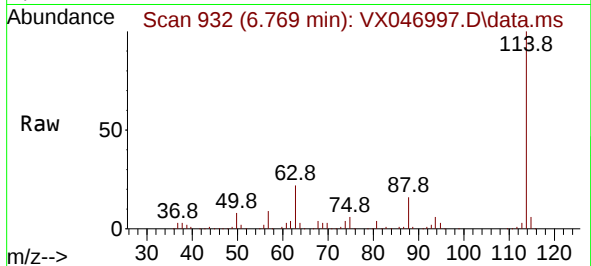




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

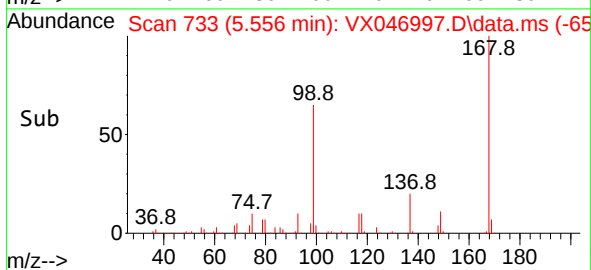
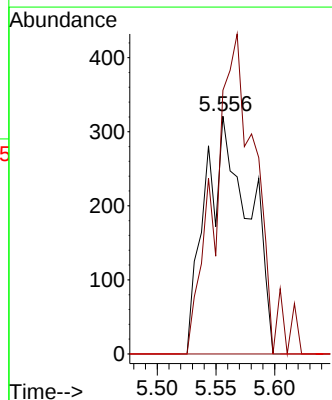
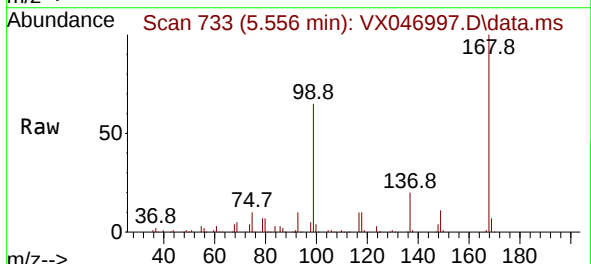
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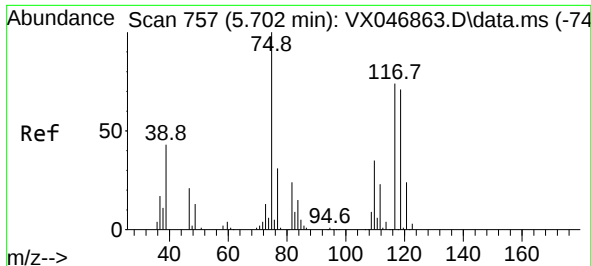
Tgt Ion:114 Resp: 600394
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.4
88 16.2 0.0 31.0



#35
Dibromofluoromethane
Concen: 0.202 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.158 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion:113 Resp: 825
Ion Ratio Lower Upper
113 100
111 128.1 81.2 121.8#
192 0.0 15.3 22.9#

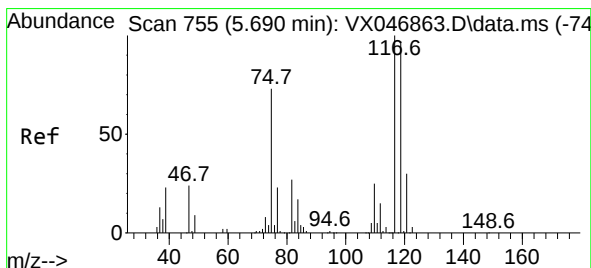
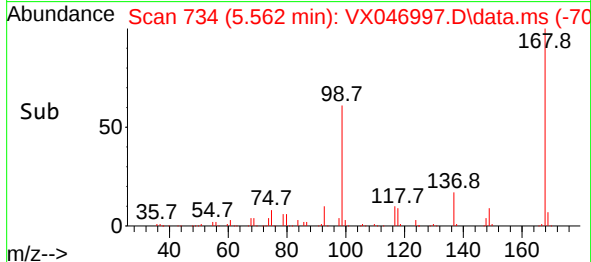
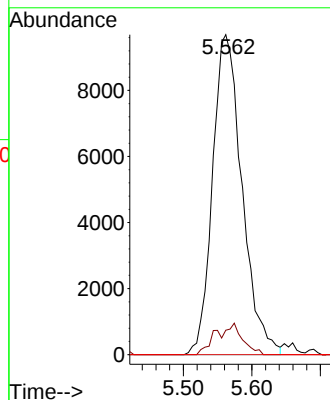
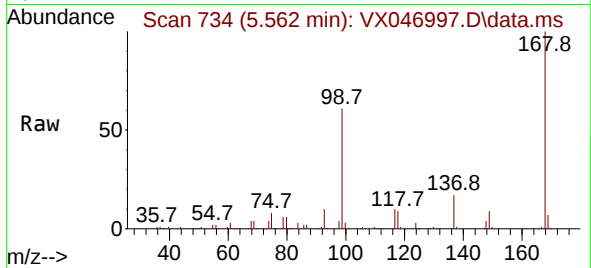




#36
1,1-Dichloropropene
Concen: 5.259 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

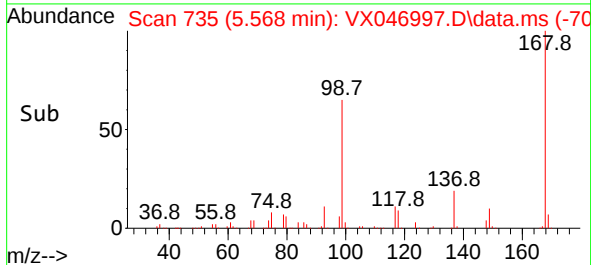
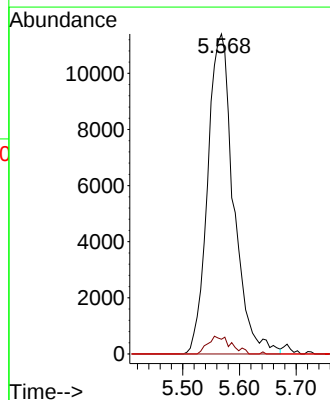
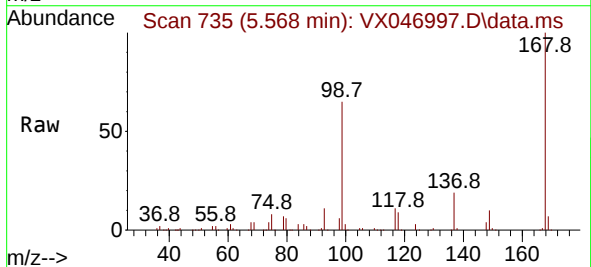
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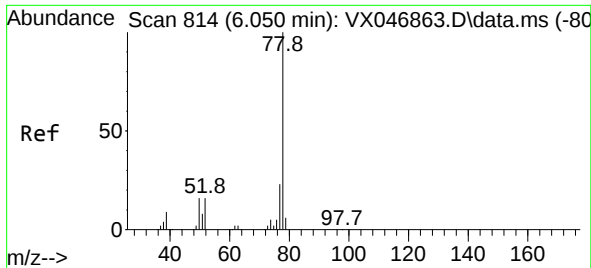
Tgt Ion: 75 Resp: 28915
Ion Ratio Lower Upper
75 100
110 5.5 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 117 Resp: 36225
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 24.1 36.1#





#40

Benzene

Concen: 0.746 ug/l

RT: 6.056 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX046997.D

Acq: 15 Jul 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

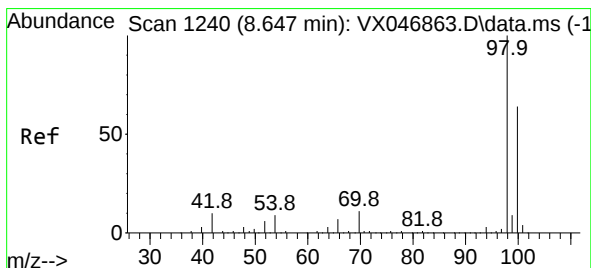
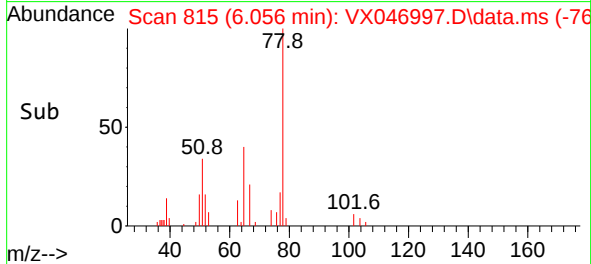
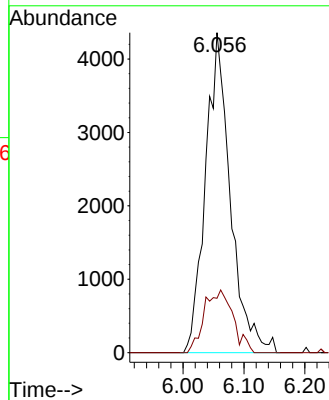
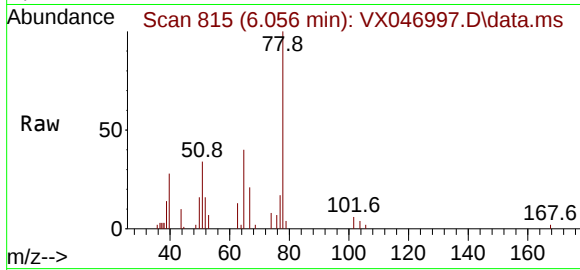
WC-A2-12-GRE

Tgt Ion: 78 Resp: 12400

Ion Ratio Lower Upper

78 100

77 17.0 18.7 28.1#



#50

Toluene-d8

Concen: 48.273 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046997.D

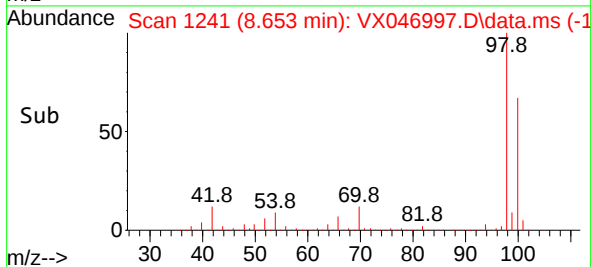
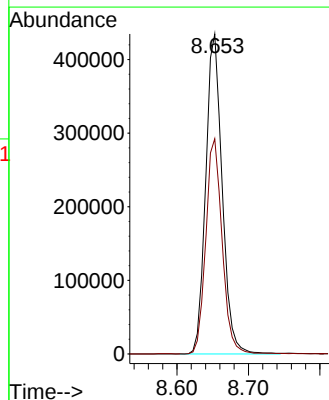
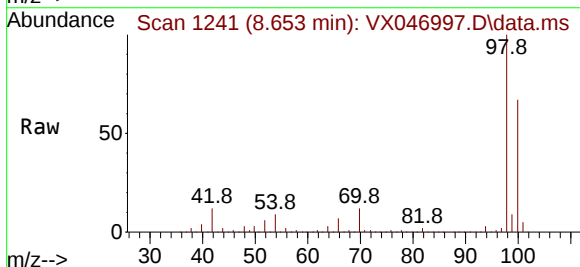
Acq: 15 Jul 2025 13:33

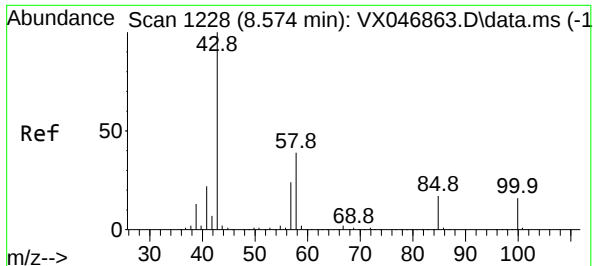
Tgt Ion: 98 Resp: 694124

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.6

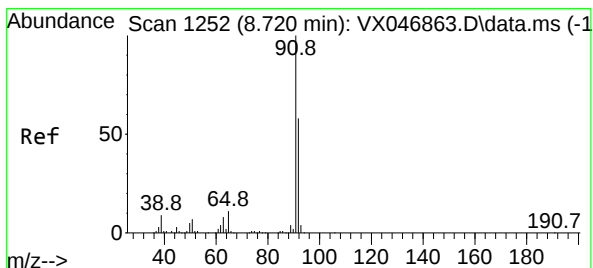
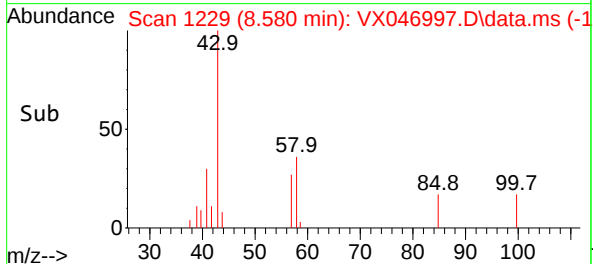
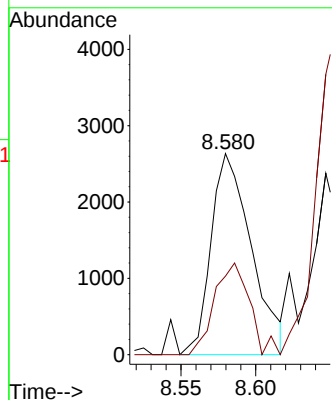
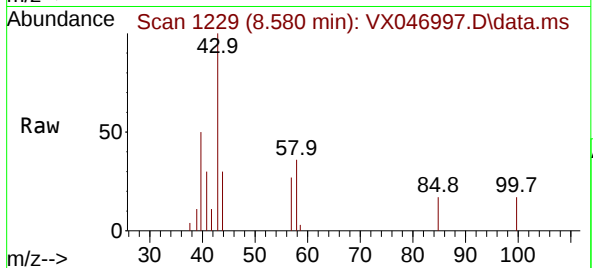




#51
4-Methyl-2-Pentanone
Concen: 1.164 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

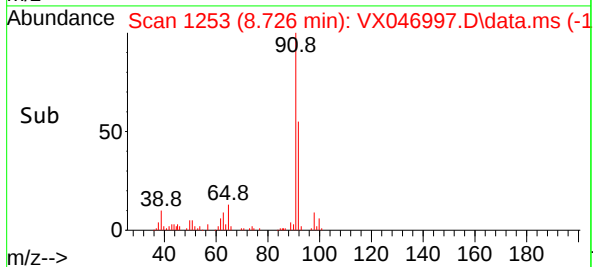
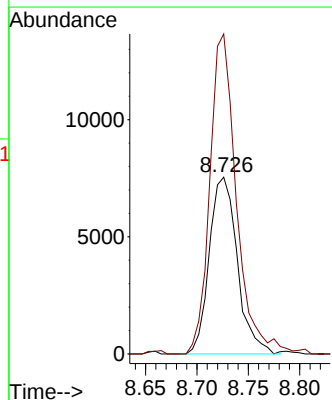
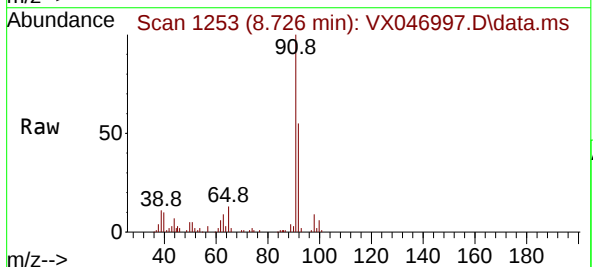
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

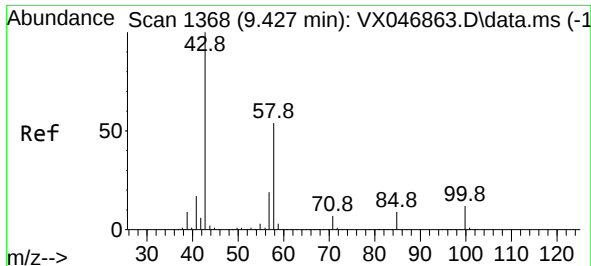
Tgt Ion: 43 Resp: 4926
Ion Ratio Lower Upper
43 100
58 39.8 30.4 45.6



#52
Toluene
Concen: 1.388 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 92 Resp: 14308
Ion Ratio Lower Upper
92 100
91 172.5 137.9 206.9

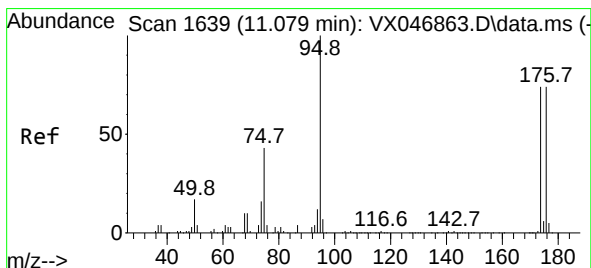
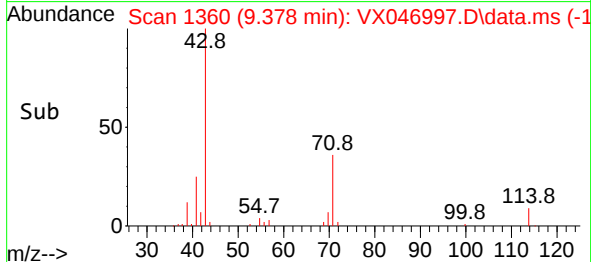
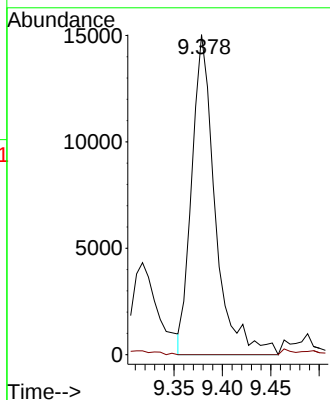
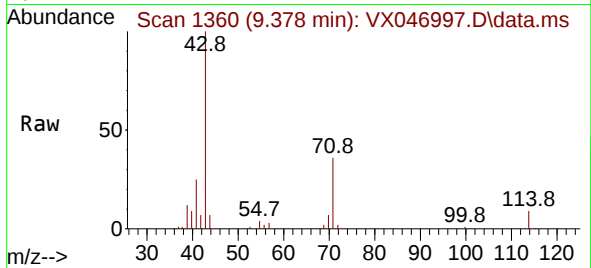




#59
2-Hexanone
Concen: 9.005 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

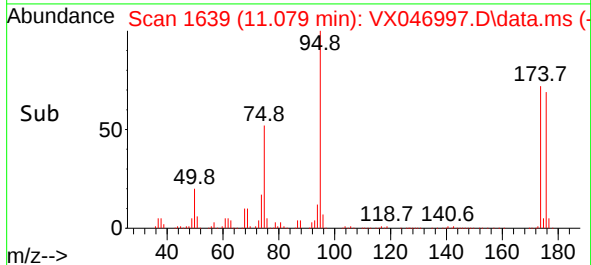
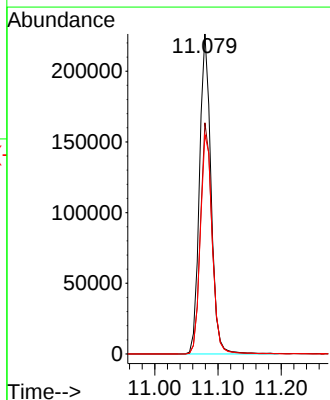
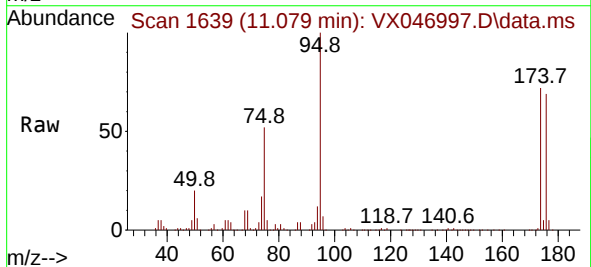
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

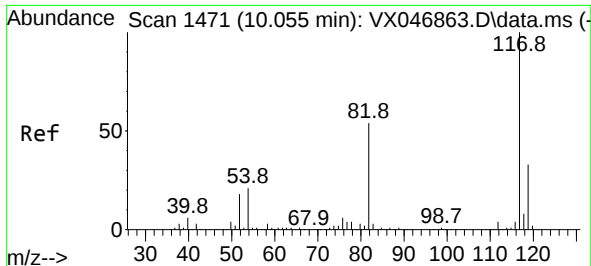
Tgt Ion: 43 Resp: 25286
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 52.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 95 Resp: 286844
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.0
176 71.1 0.0 145.2

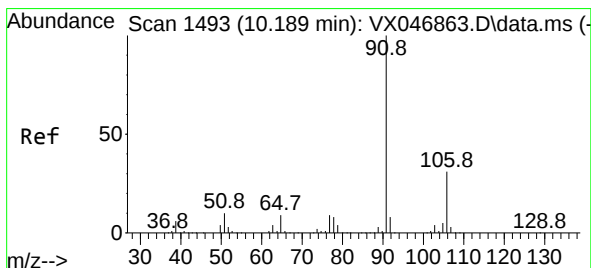
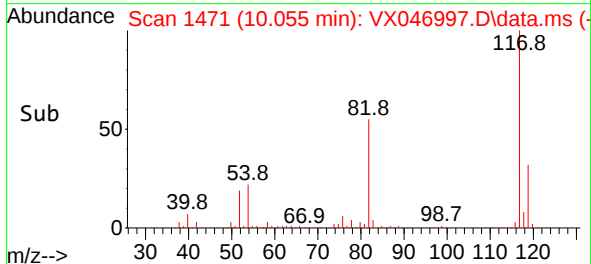
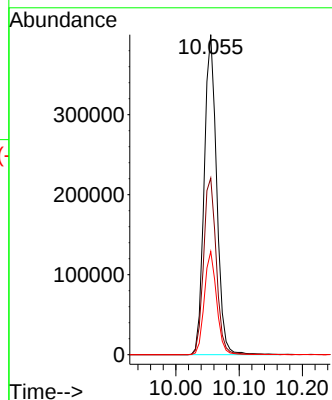
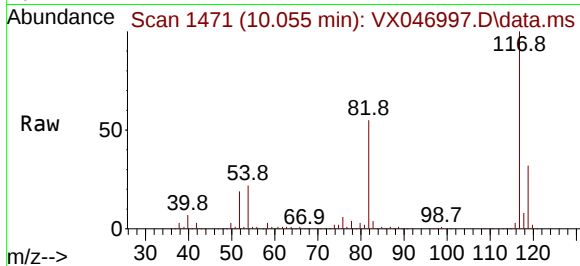




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

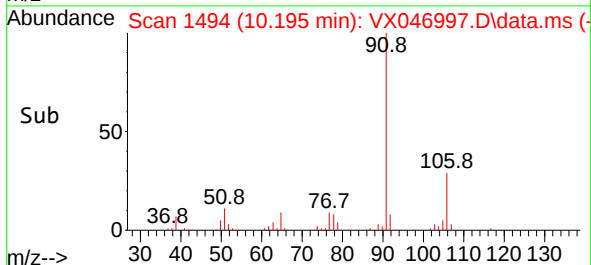
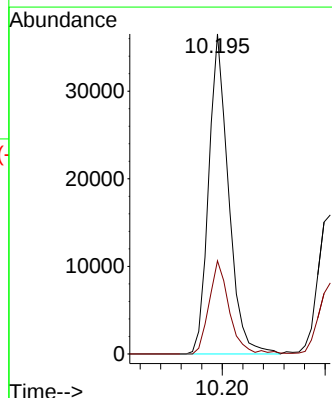
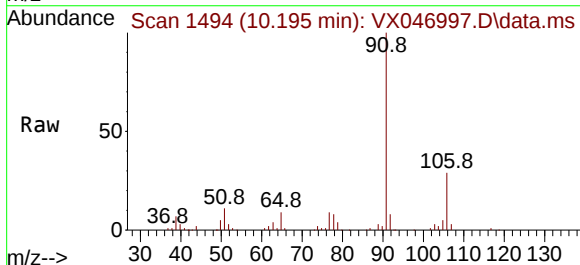
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

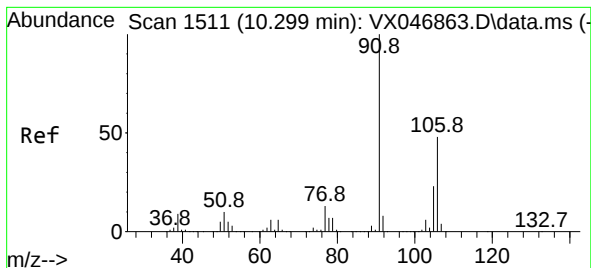
Tgt Ion:117 Resp: 550333
Ion Ratio Lower Upper
117 100
82 55.2 43.3 64.9
119 32.2 26.4 39.6



#67
Ethyl Benzene
Concen: 2.401 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 91 Resp: 48920
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6

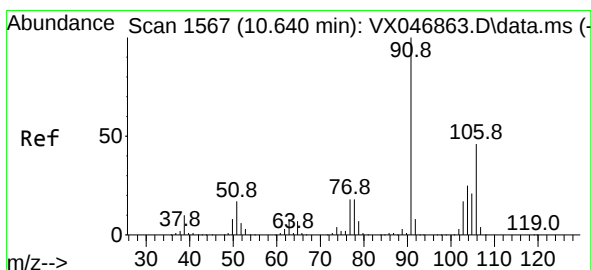
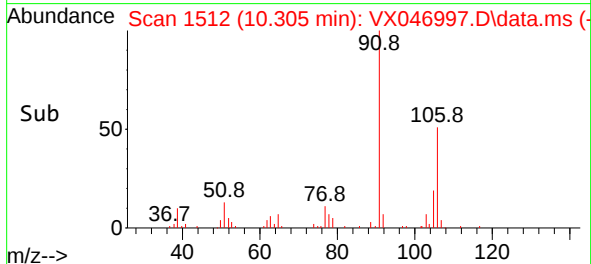
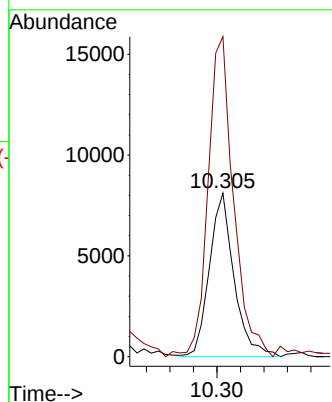
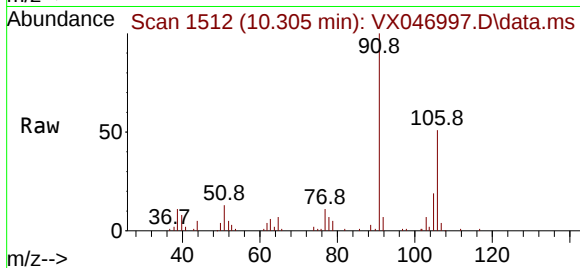




#68
m/p-Xylenes
Concen: 1.538 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

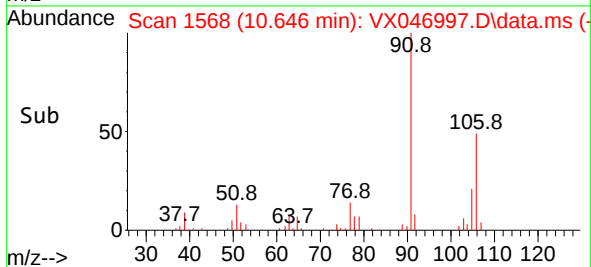
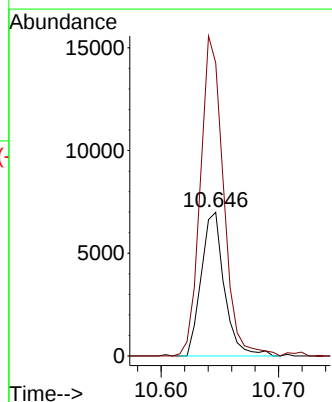
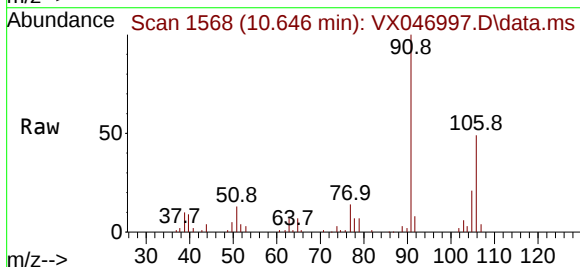
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

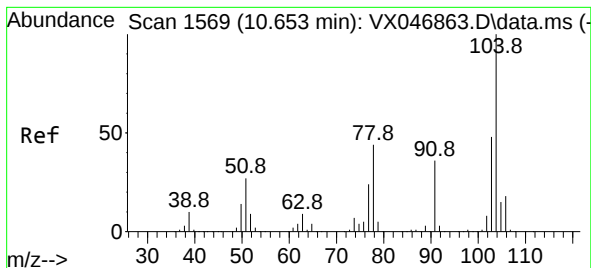
Tgt Ion:106 Resp: 11811
Ion Ratio Lower Upper
106 100
91 201.8 164.6 246.8



#69
o-Xylene
Concen: 1.285 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion:106 Resp: 9530
Ion Ratio Lower Upper
106 100
91 222.8 109.5 328.5





#70

Styrene

Concen: 0.281 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046997.D

Acq: 15 Jul 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-12-GRE

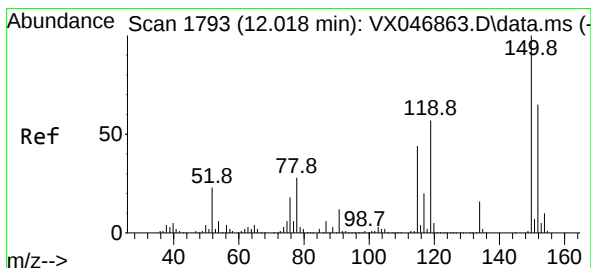
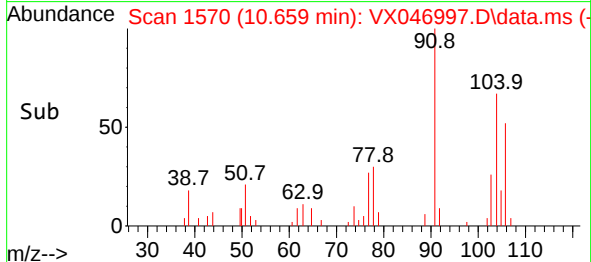
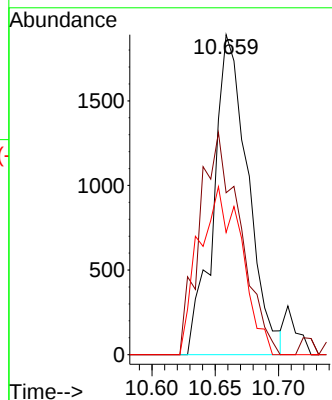
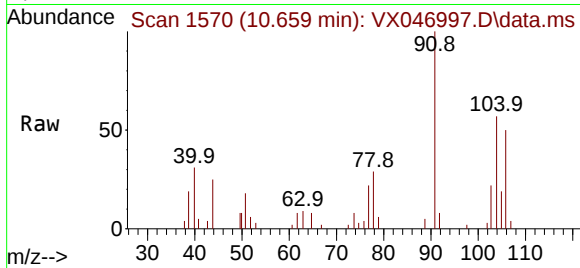
Tgt Ion:104 Resp: 3563

Ion Ratio Lower Upper

104 100

78 82.2 40.3 60.5#

103 65.2 42.8 64.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046997.D

Acq: 15 Jul 2025 13:33

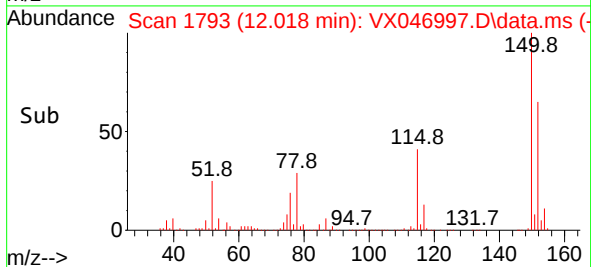
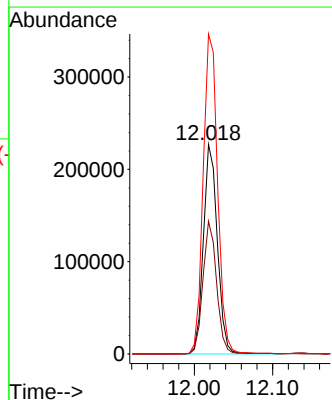
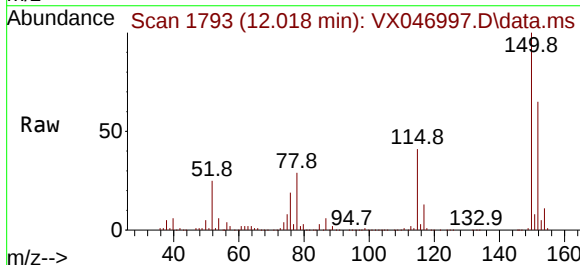
Tgt Ion:152 Resp: 280923

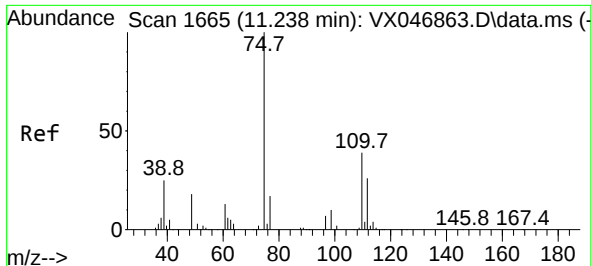
Ion Ratio Lower Upper

152 100

115 62.1 42.4 127.1

150 158.5 0.0 349.2

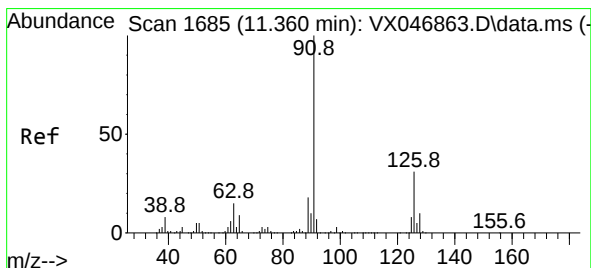
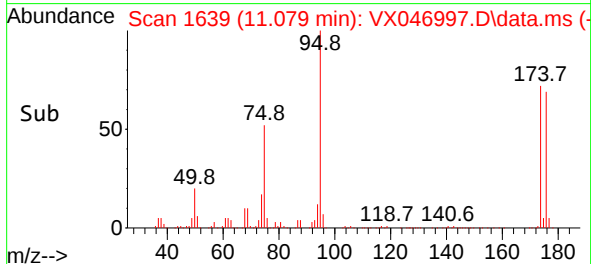
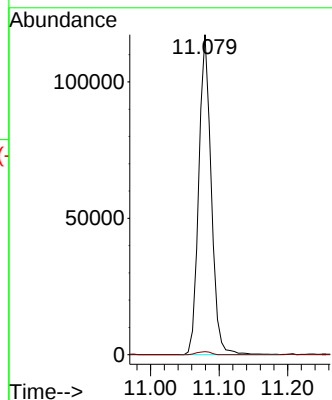
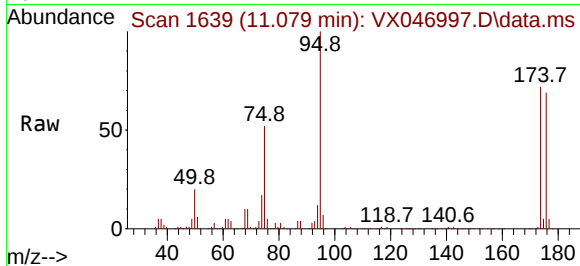




#76
1,2,3-Trichloropropane
Concen: 34.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

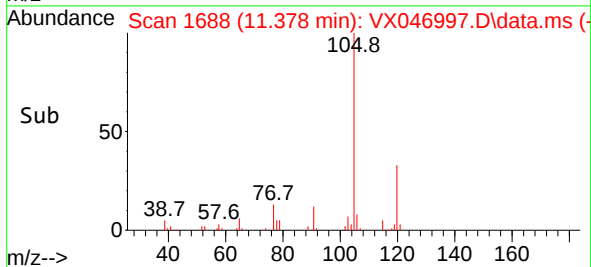
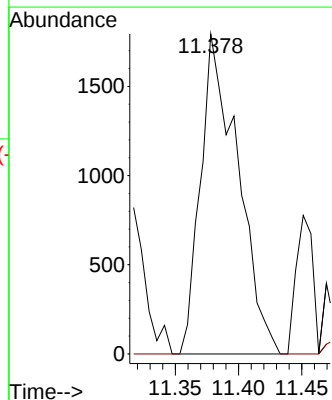
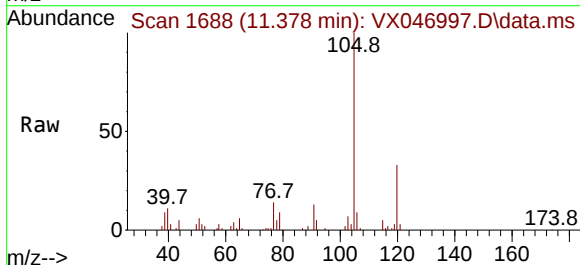
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

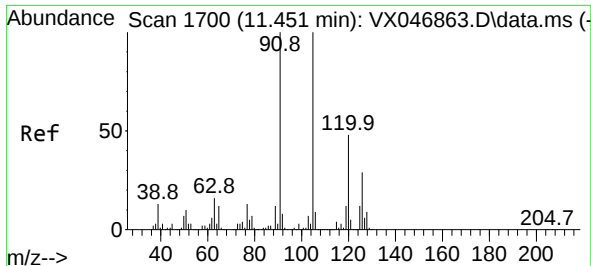
Tgt Ion: 75 Resp: 148572
Ion Ratio Lower Upper
75 100
77 1.1 20.6 61.8#



#79
2-Chlorotoluene
Concen: 0.261 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.018 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 91 Resp: 3665
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

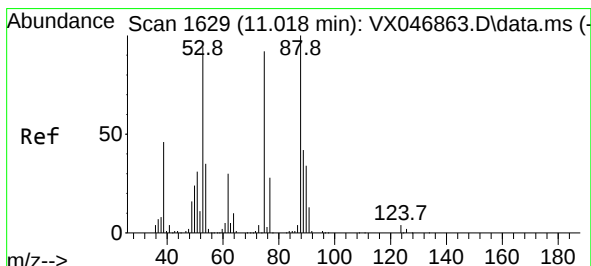
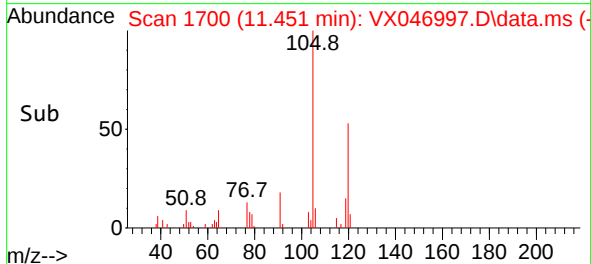
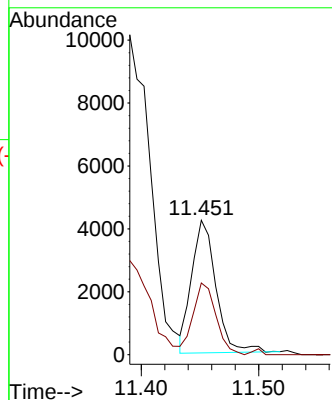
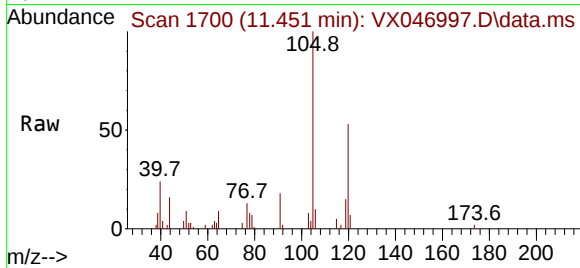




#80
1,3,5-Trimethylbenzene
Concen: 0.377 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

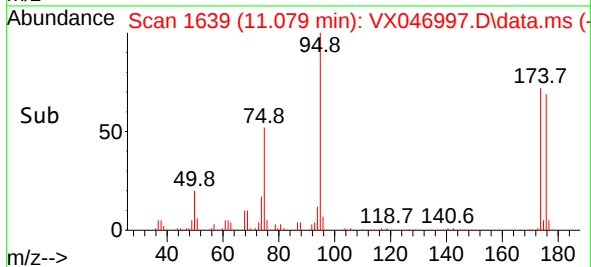
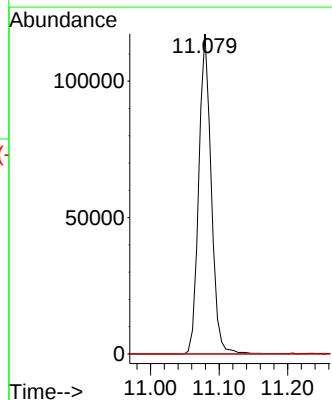
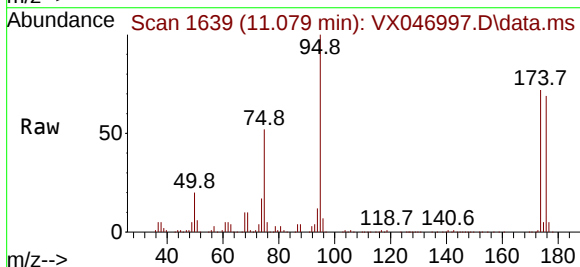
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

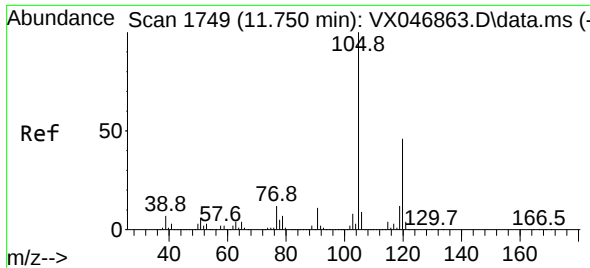
Tgt Ion:105 Resp: 6054
Ion Ratio Lower Upper
105 100
120 51.0 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 91.851 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion: 75 Resp: 148572
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

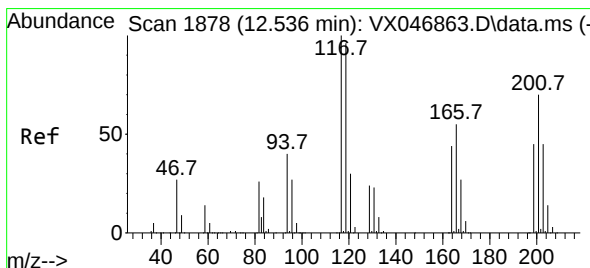
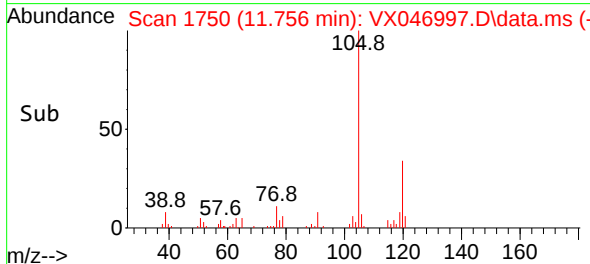
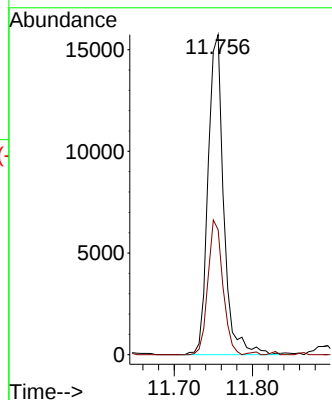
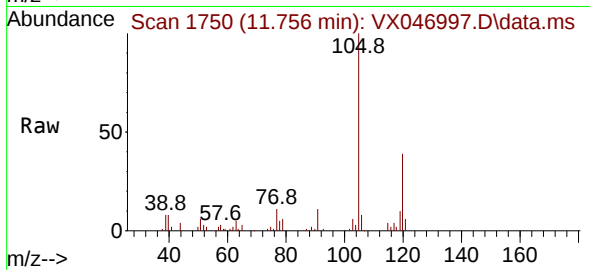




#84
1,2,4-Trimethylbenzene
Concen: 1.343 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

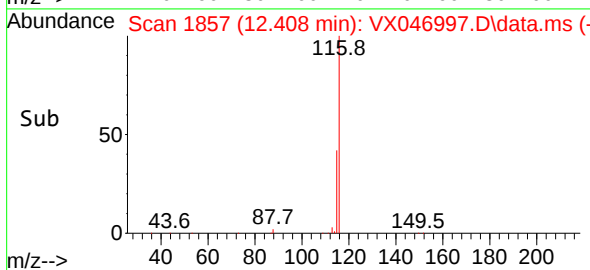
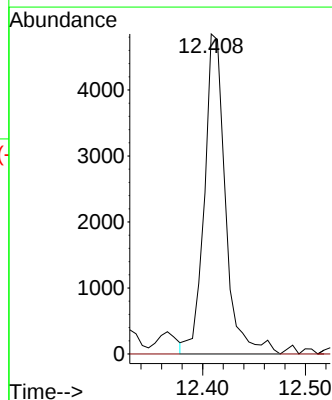
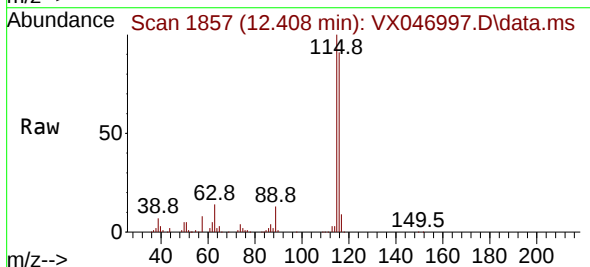
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-12-GRE

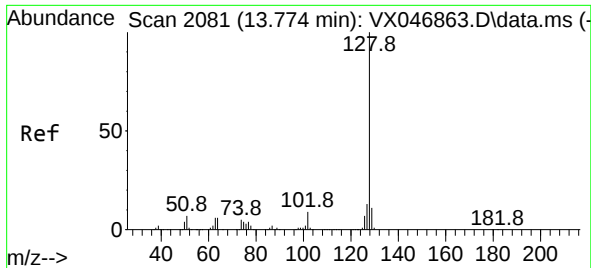
Tgt Ion:105 Resp: 21789
Ion Ratio Lower Upper
105 100
120 40.0 23.3 69.8



#90
Hexachloroethane
Concen: 2.223 ug/l
RT: 12.408 min Scan# 1857
Delta R.T. -0.128 min
Lab File: VX046997.D
Acq: 15 Jul 2025 13:33

Tgt Ion:117 Resp: 6895
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#





#95

Naphthalene

Concen: 179.838 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046997.D

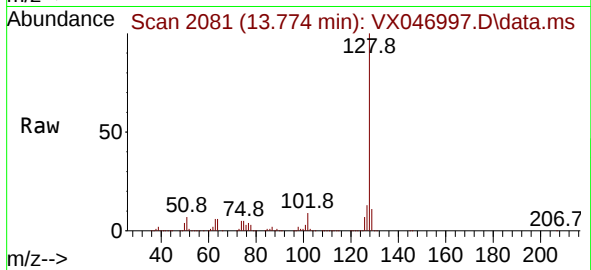
Acq: 15 Jul 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-12-GRE



Tgt Ion:128 Resp: 2870050

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.0 8.6 13.0

