

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046424.D
 Acq On : 30 May 2025 16:12
 Operator : JC/MD
 Sample : Q2162-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-640-642

Quant Time: May 31 05:18:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

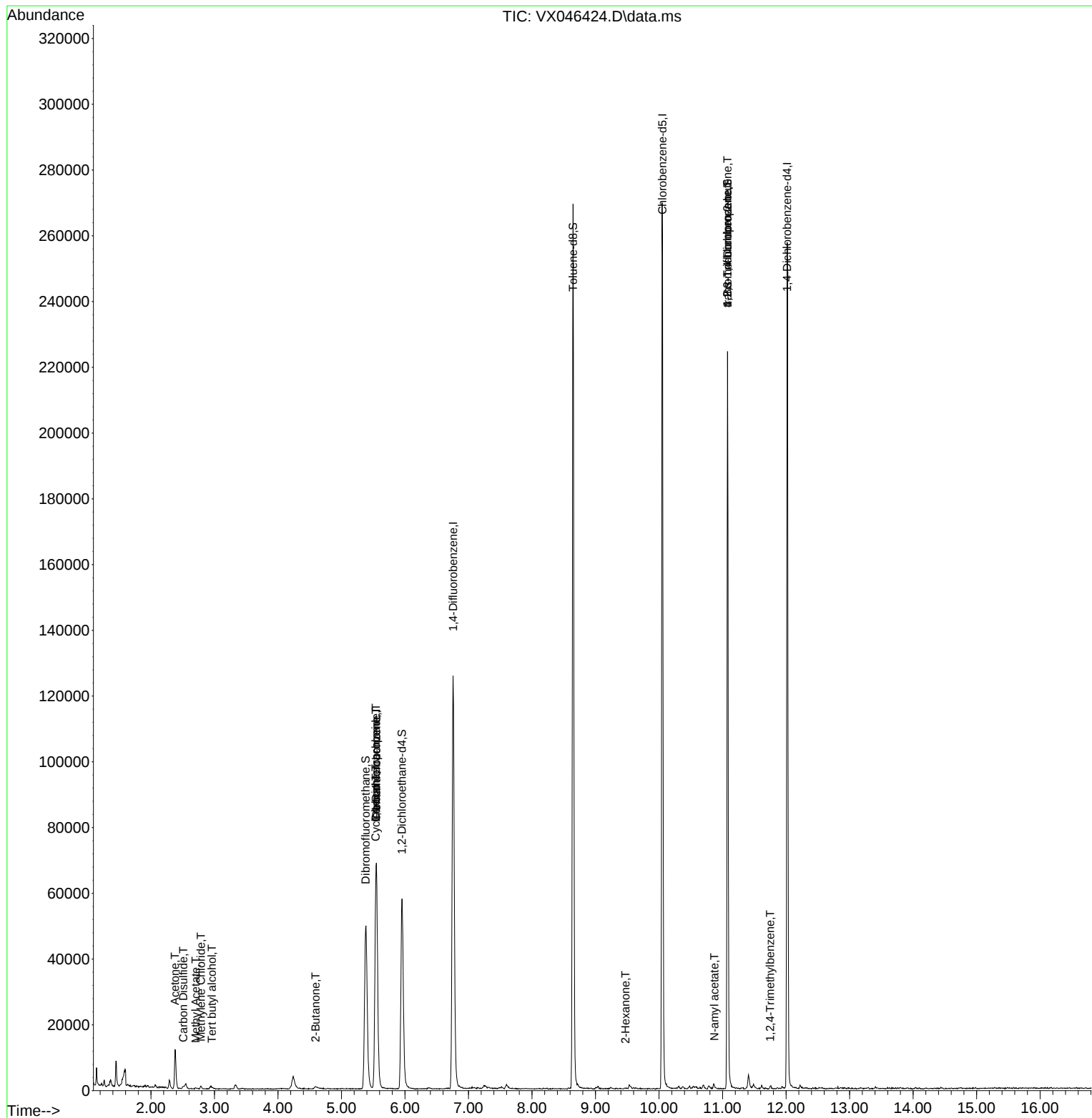
Internal Standards						
1) Pentafluorobenzene	5.550	168	58123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	117880	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59428	54.843	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.680%	
35) Dibromofluoromethane	5.379	113	43790	51.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.180%	
50) Toluene-d8	8.647	98	148211	50.446	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	11.079	95	57150	50.711	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	606	3.984	ug/l	# 72
16) Acetone	2.380	43	12475	28.713	ug/l	99
17) Carbon Disulfide	2.508	76	1077	0.659	ug/l	# 76
18) Methyl Acetate	2.703	43	428	0.425	ug/l	# 55
20) Methylene Chloride	2.788	84	332	0.399	ug/l	# 77
25) 2-Butanone	4.593	43	1656	2.625	ug/l	# 86
31) Cyclohexane	5.537	56	1656	1.282	ug/l	# 27
36) 1,1-Dichloropropene	5.544	75	5908	5.180	ug/l	# 48
38) Carbon Tetrachloride	5.544	117	7333	5.722	ug/l	# 16
59) 2-Hexanone	9.470	43	284	0.269	ug/l	# 28
74) N-amyl acetate	10.872	43	516	0.283	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	33224	29.113	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	33224	94.783	ug/l	# 1
84) 1,2,4-Trimethylbenzene	11.750	105	746	0.239	ug/l	93

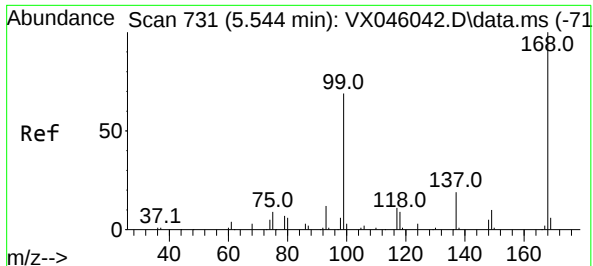
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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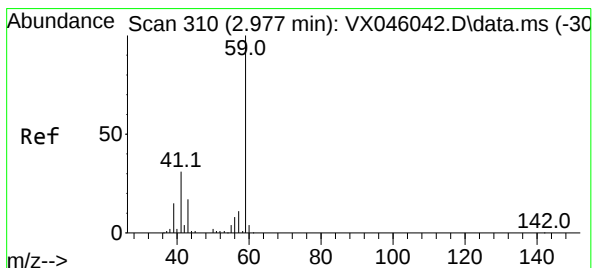
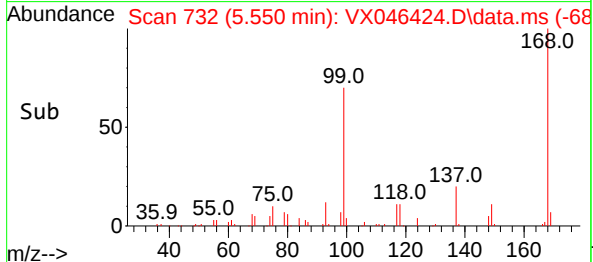
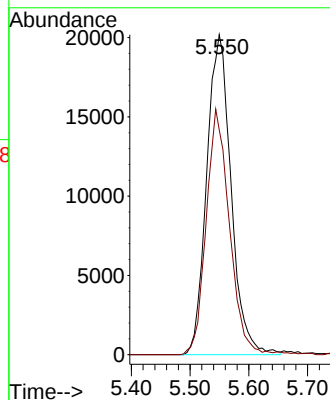
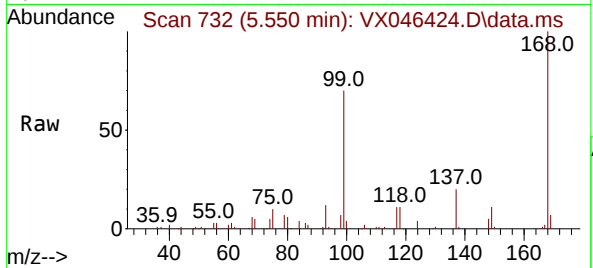




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

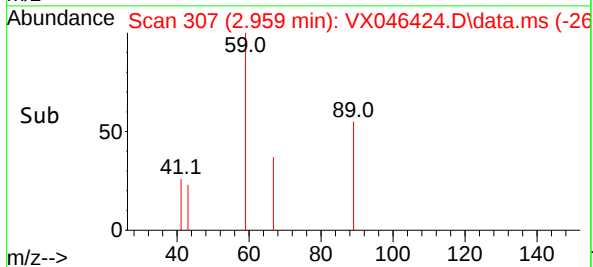
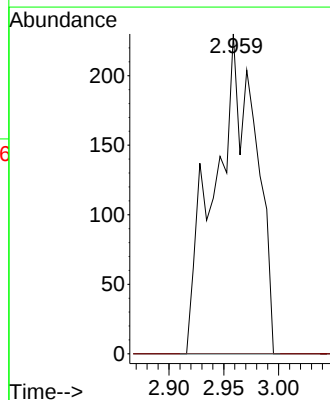
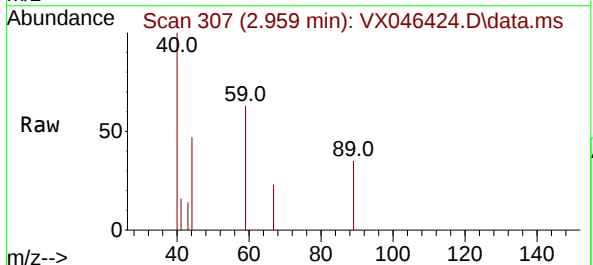
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

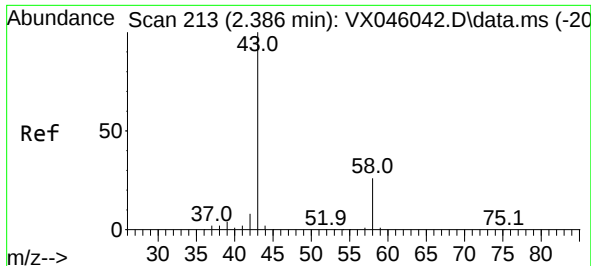
Tgt Ion:168 Resp: 58123
Ion Ratio Lower Upper
168 100
99 70.2 54.9 82.3



#11
Tert butyl alcohol
Concen: 3.984 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

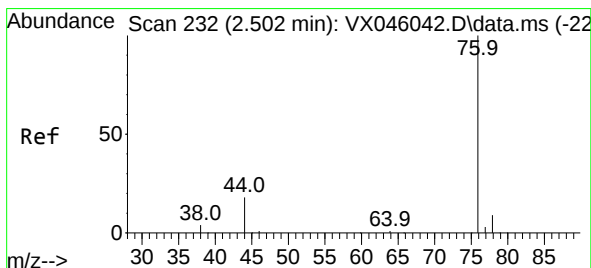
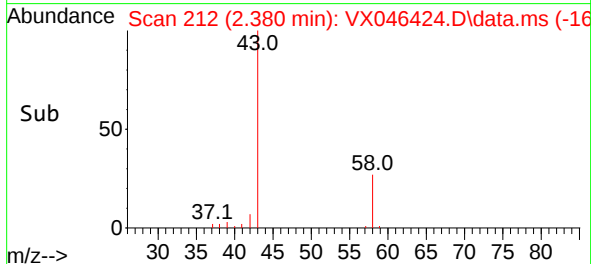
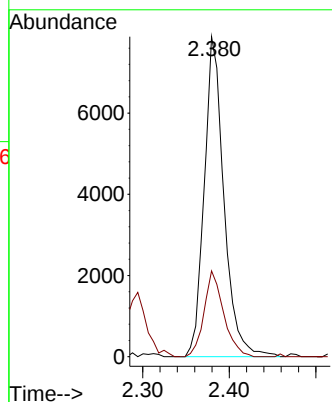
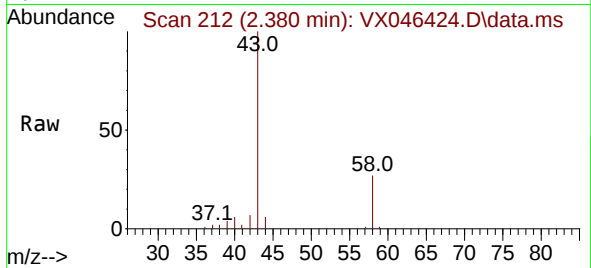




#16
Acetone
Concen: 28.713 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

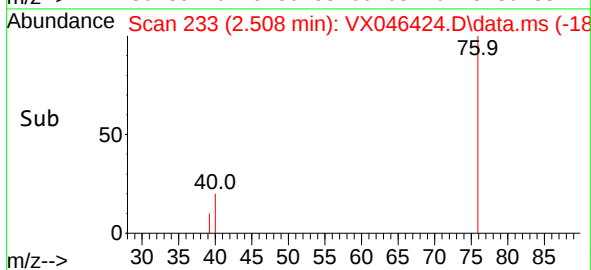
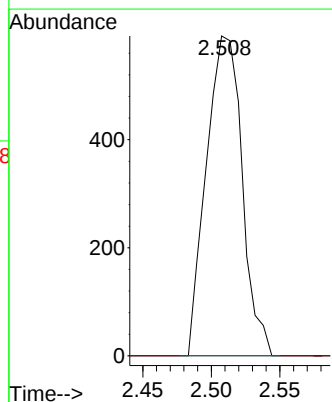
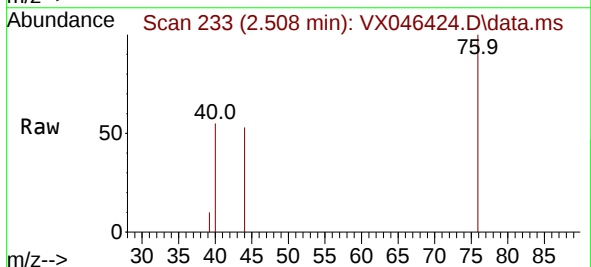
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

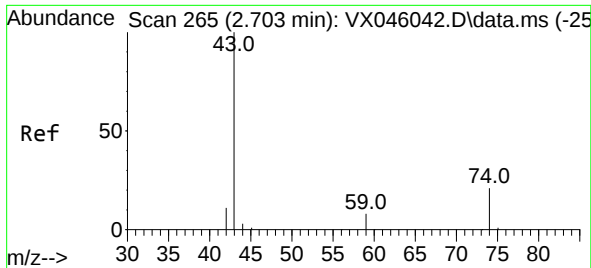
Tgt Ion: 43 Resp: 12475
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#17
Carbon Disulfide
Concen: 0.659 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 76 Resp: 1077
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

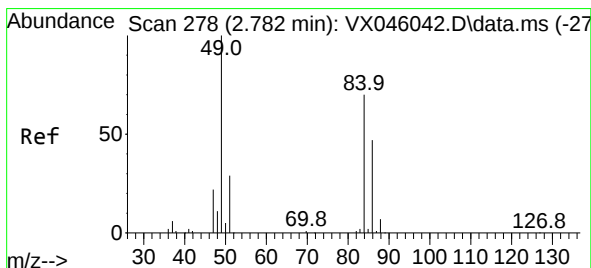
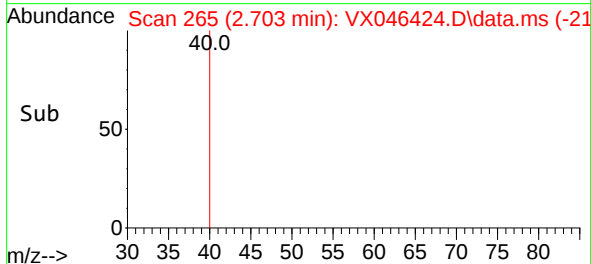
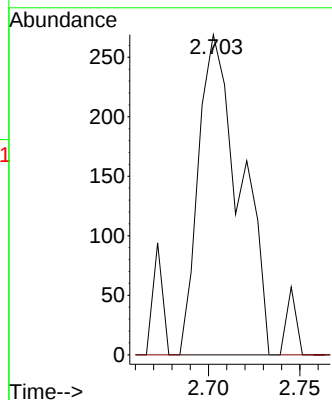
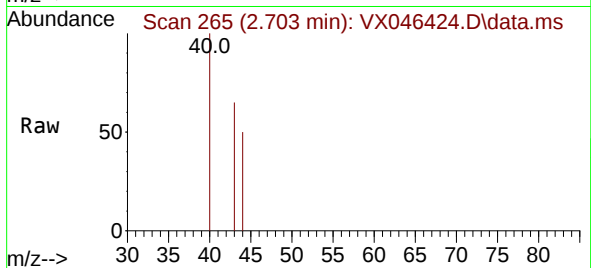




#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

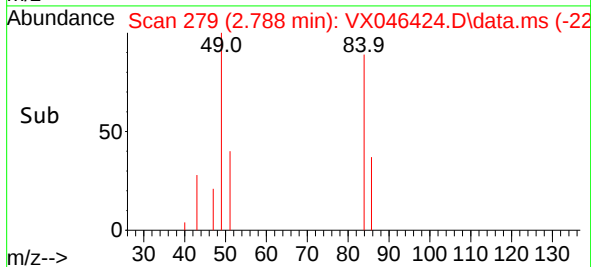
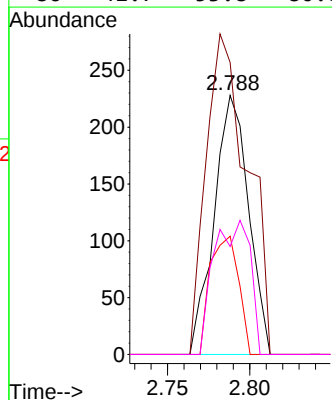
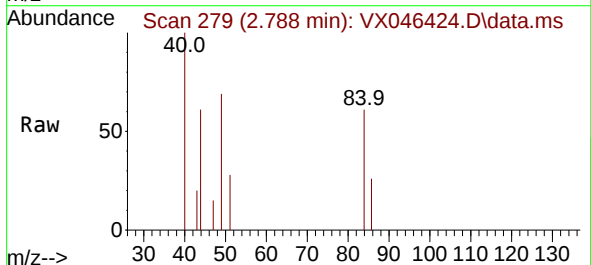
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

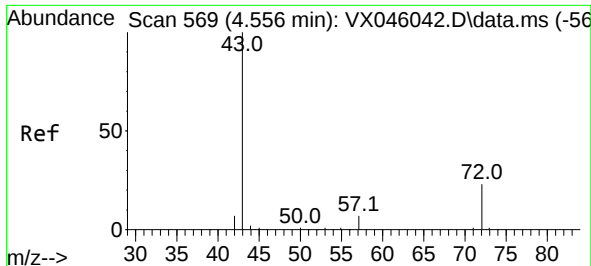
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.399 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 84 Resp: 332
Ion Ratio Lower Upper
84 100
49 112.7 113.9 170.9#
51 45.6 33.5 50.3
86 41.7 53.8 80.8#

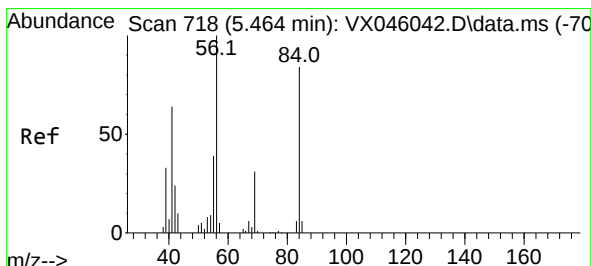
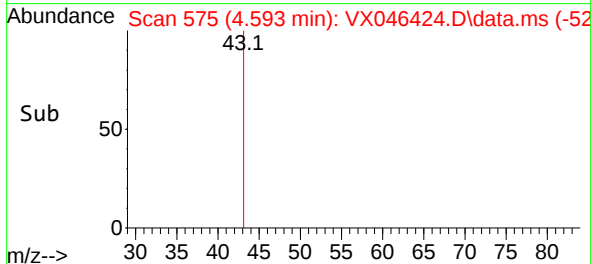
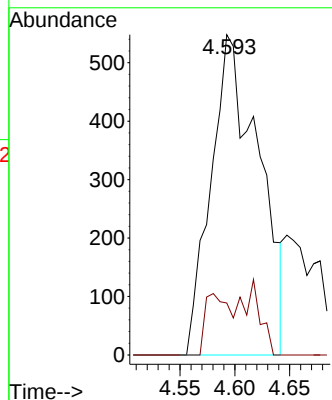
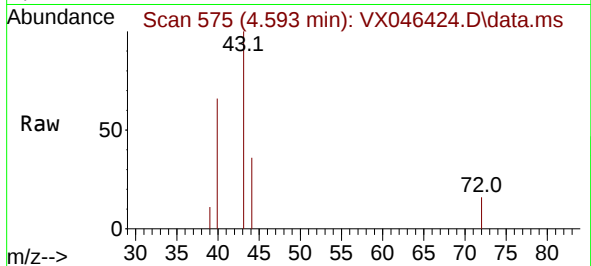




#25
2-Butanone
Concen: 2.625 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

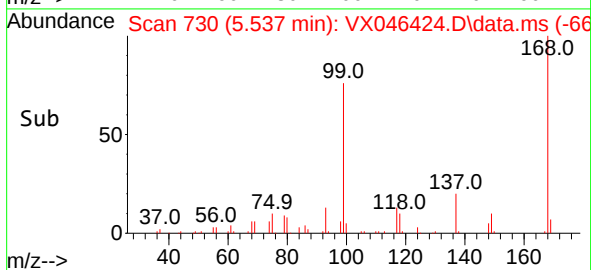
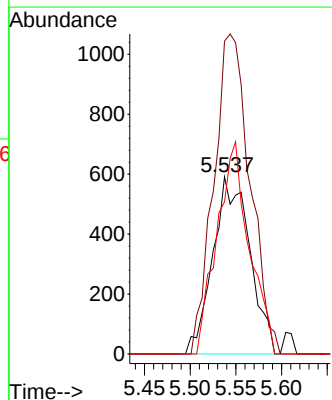
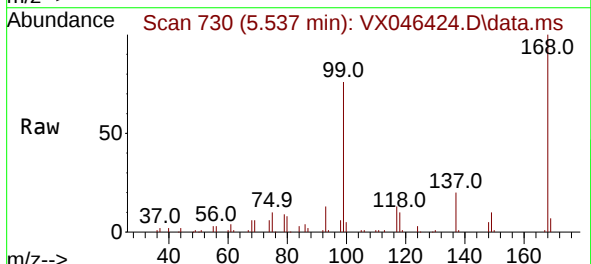
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

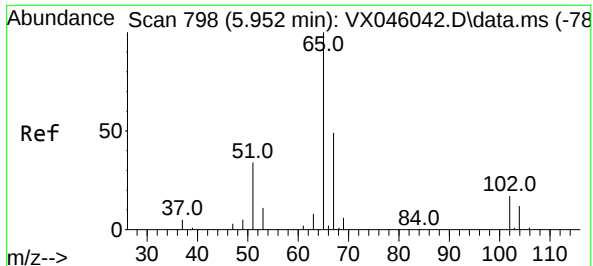
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
72 16.2 18.4 27.6#



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 56 Resp: 1656
Ion Ratio Lower Upper
56 100
69 176.6 24.4 36.6#
84 86.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.843 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

Instrument :

MSVOA_X

ClientSampleId :

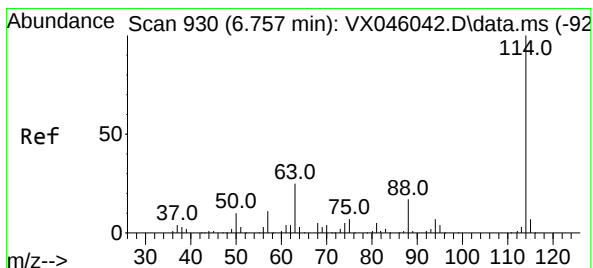
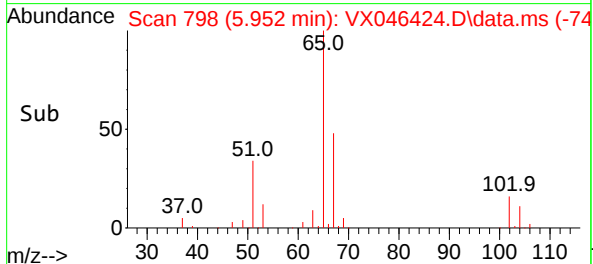
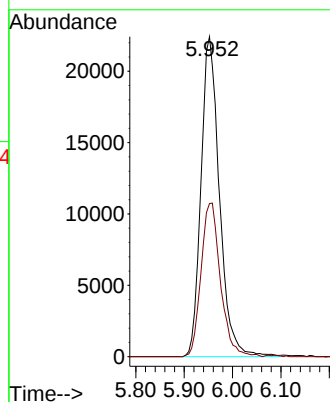
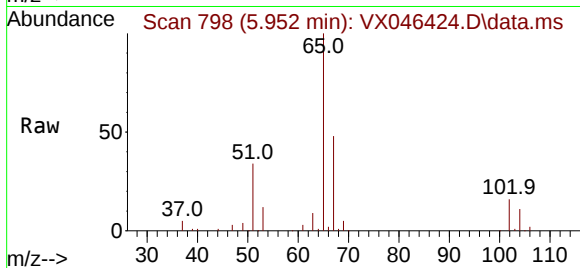
BP-VPB-182-GW-640-642

Tgt Ion: 65 Resp: 59428

Ion Ratio Lower Upper

65 100

67 50.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

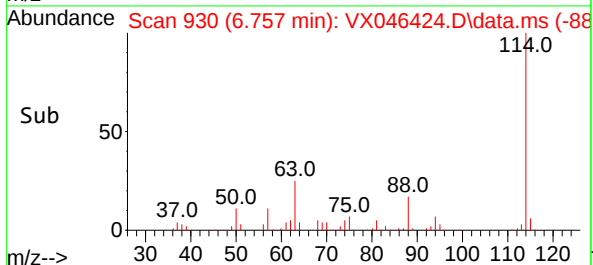
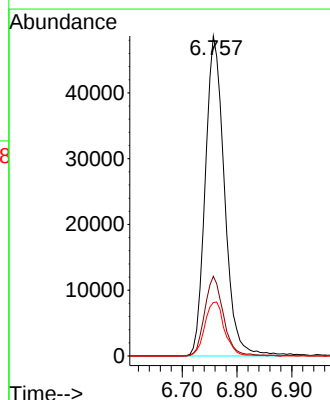
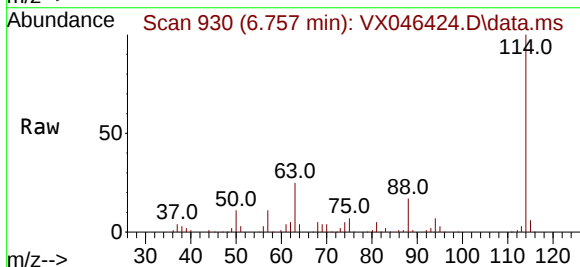
Tgt Ion: 114 Resp: 117880

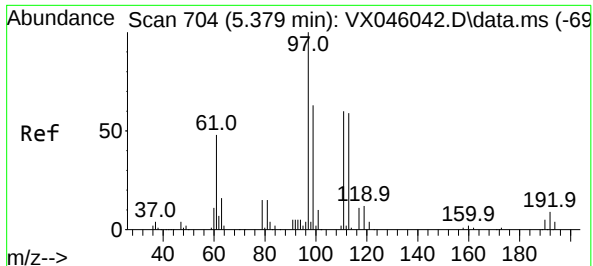
Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

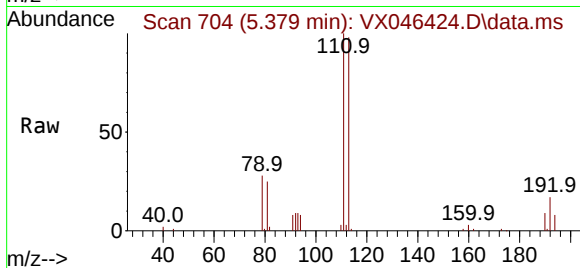
88 16.7 0.0 33.6



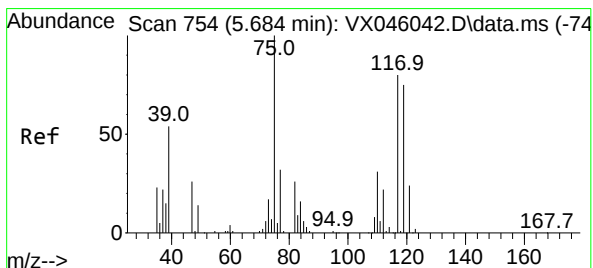
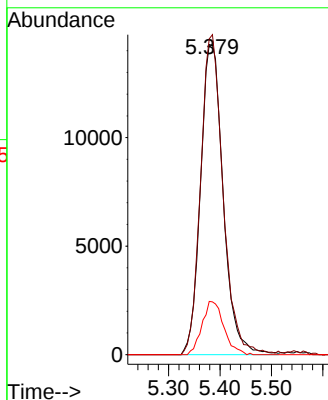
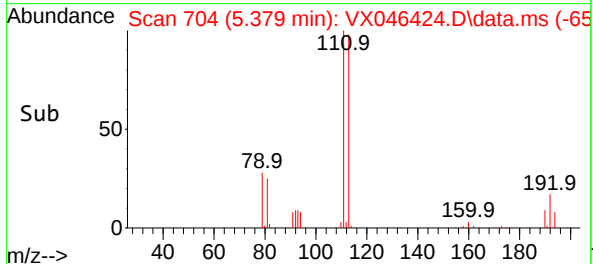


#35
Dibromofluoromethane
Concen: 51.587 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

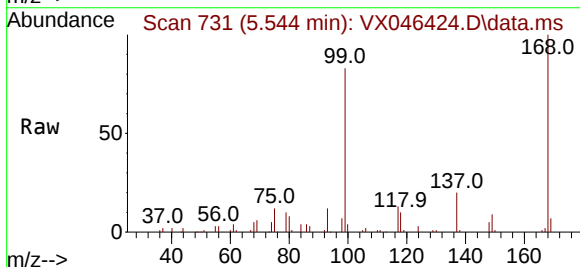
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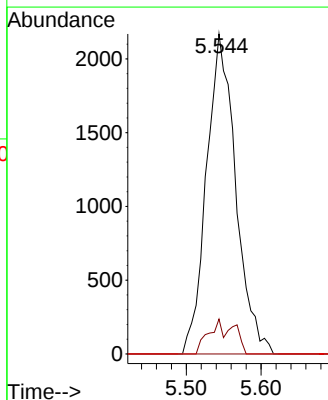
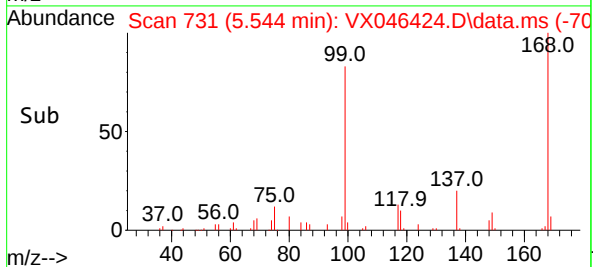
Tgt Ion:113 Resp: 43790
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 16.5 13.3 19.9

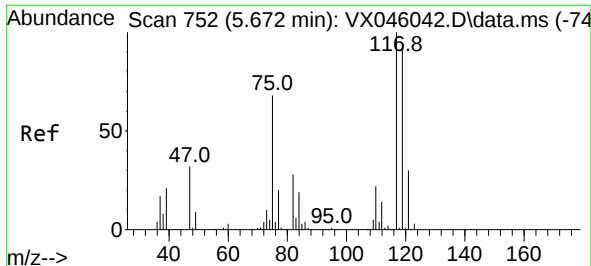


#36
1,1-Dichloropropene
Concen: 5.180 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12



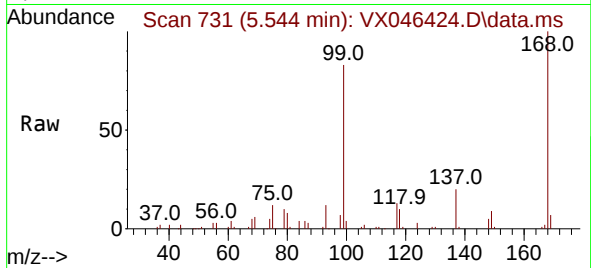
Tgt Ion: 75 Resp: 5908
Ion Ratio Lower Upper
75 100
110 5.3 16.3 48.9#
77 0.0 24.3 36.5#



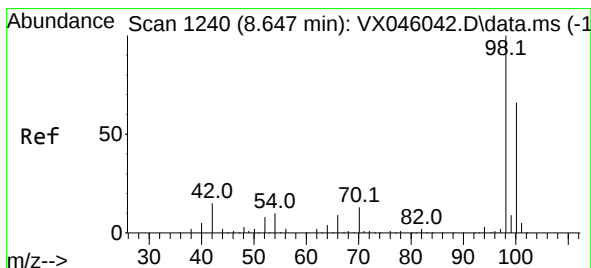
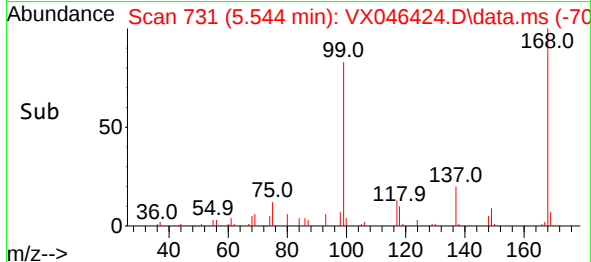
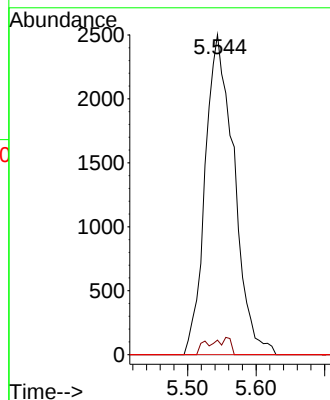


#38
Carbon Tetrachloride
Concen: 5.722 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

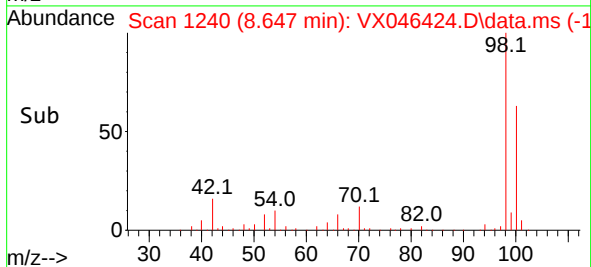
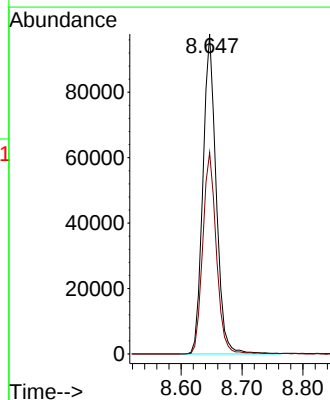
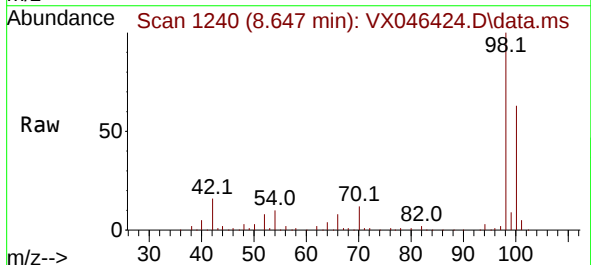


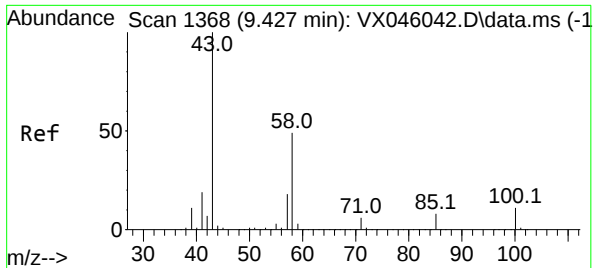
Tgt Ion:117 Resp: 7333
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 98 Resp: 148211
Ion Ratio Lower Upper
98 100
100 64.4 53.5 80.3





#59

2-Hexanone

Concen: 0.269 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.043 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

Instrument :

MSVOA_X

ClientSampleId :

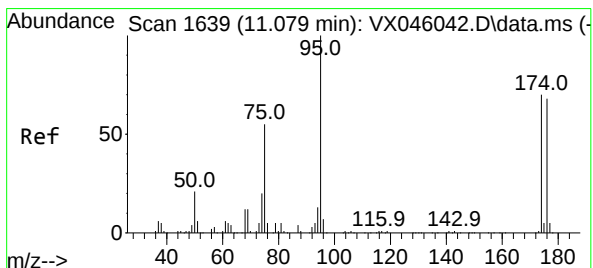
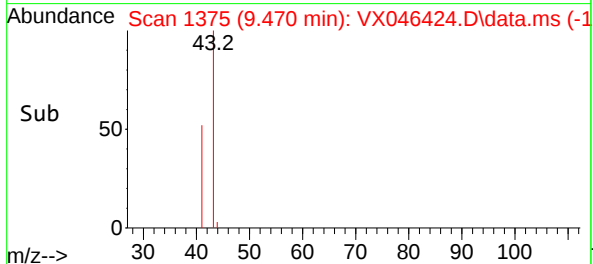
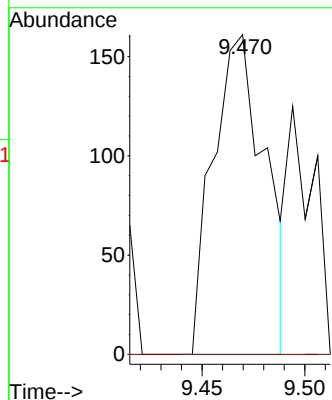
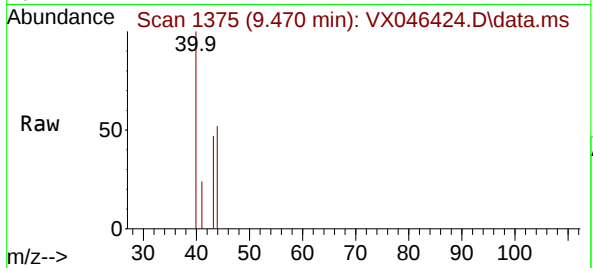
BP-VPB-182-GW-640-642

Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 50.711 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

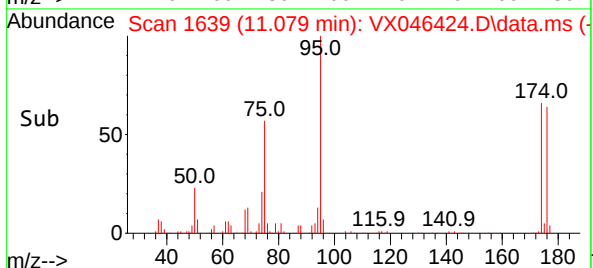
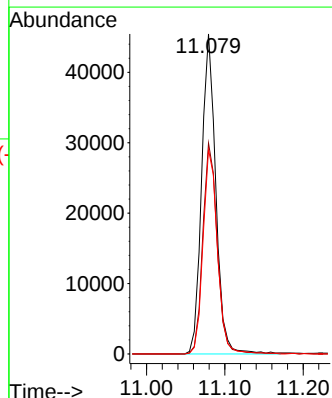
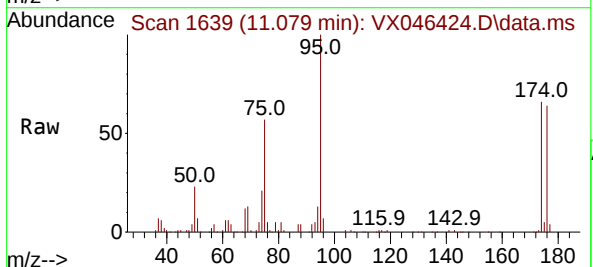
Tgt Ion: 95 Resp: 57150

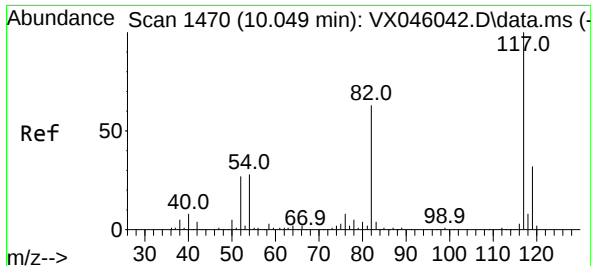
Ion Ratio Lower Upper

95 100

174 67.0 0.0 135.8

176 64.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-182-GW-640-642

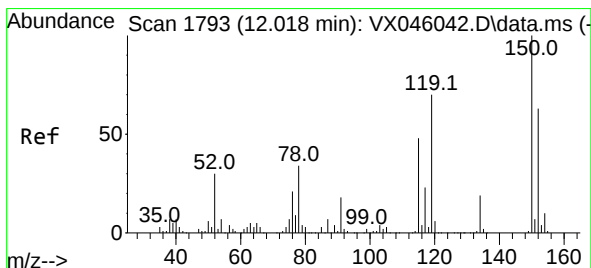
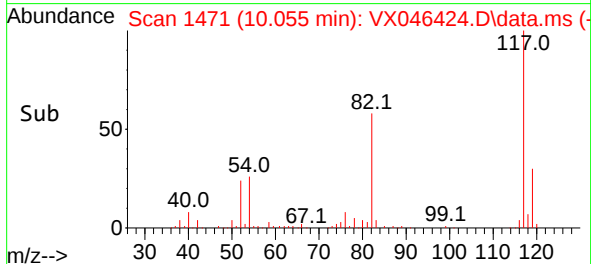
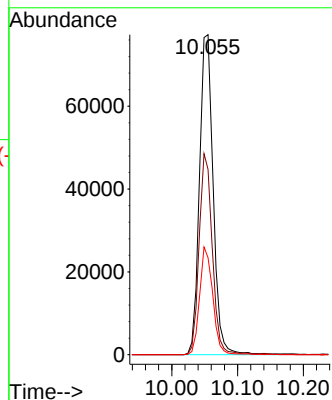
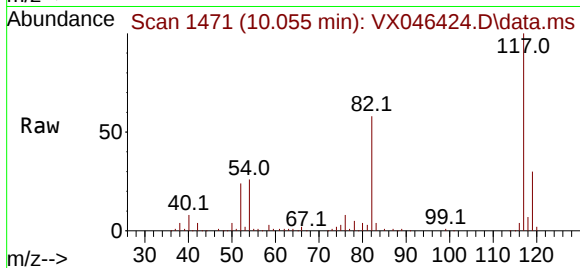
Tgt Ion:117 Resp: 112123

Ion Ratio Lower Upper

117 100

82 57.9 50.6 76.0

119 30.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

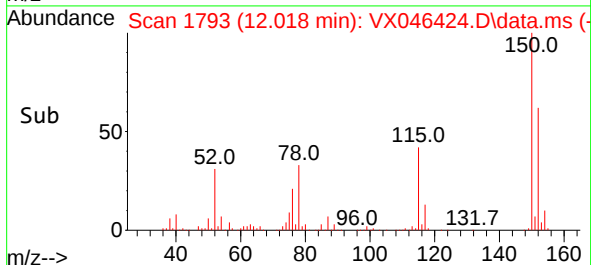
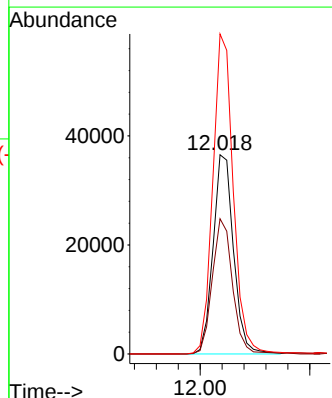
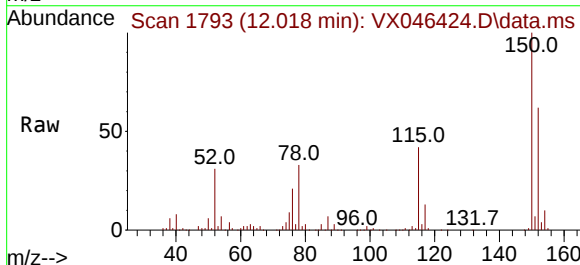
Tgt Ion:152 Resp: 47411

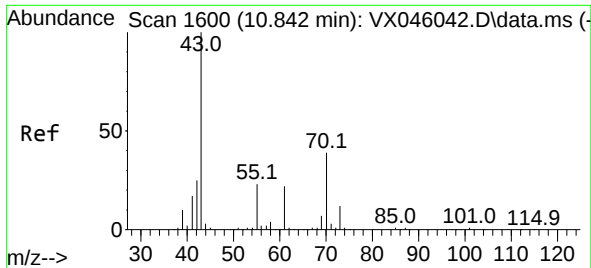
Ion Ratio Lower Upper

152 100

115 66.9 46.9 140.7

150 160.5 0.0 351.0

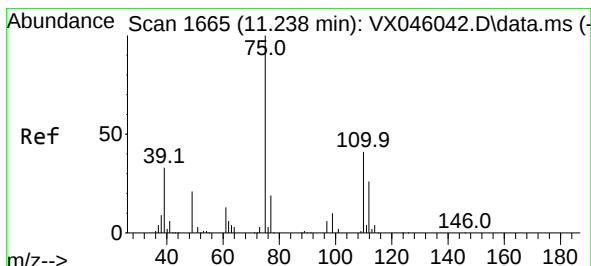
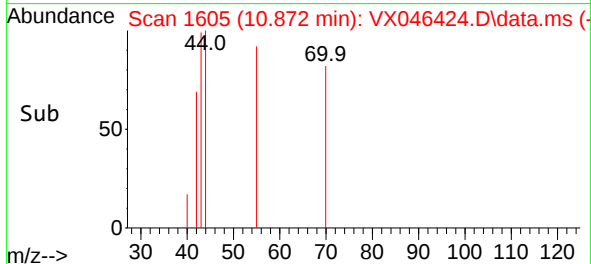
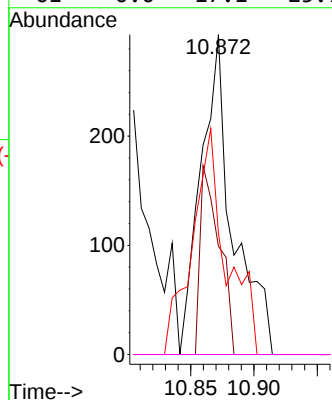
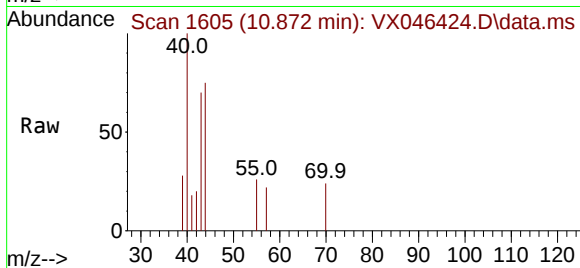




#74
N-amy1 acetate
Concen: 0.283 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. 0.030 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

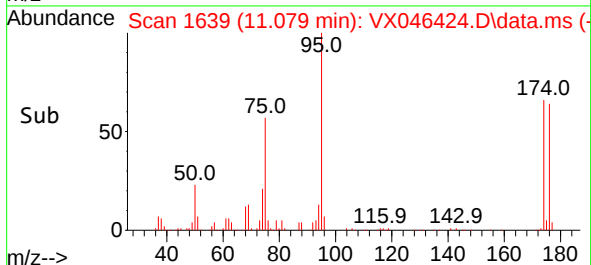
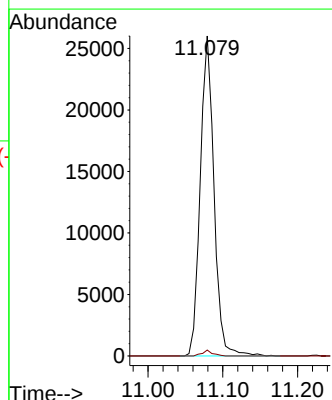
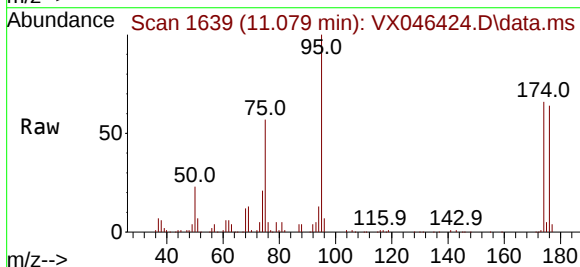
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-640-642

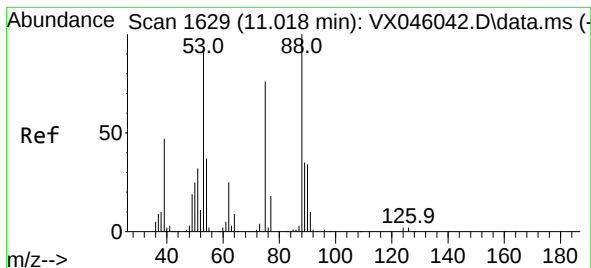
Tgt Ion: 43	Resp: 516
Ion Ratio	Lower Upper
43	100
70	35.7 30.9 46.3
55	75.2 18.7 28.1#
61	0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 29.113 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046424.D
Acq: 30 May 2025 16:12

Tgt Ion: 75	Resp: 33224
Ion Ratio	Lower Upper
75	100
77	1.3 20.5 61.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 94.783 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-182-GW-640-642

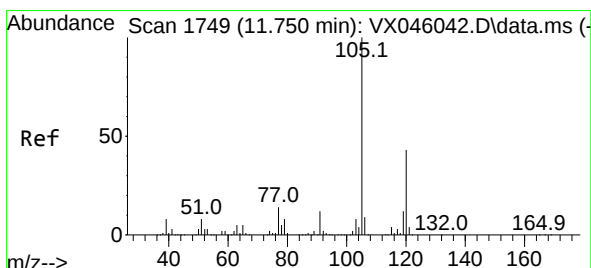
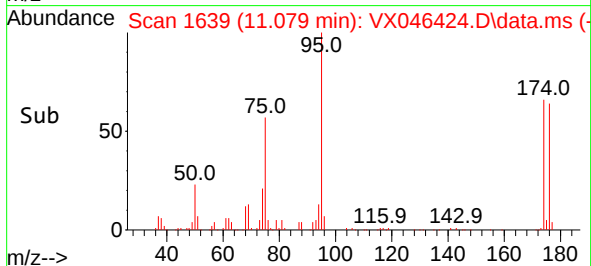
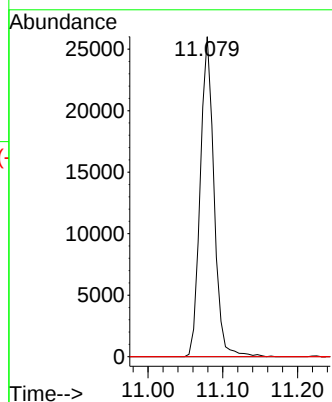
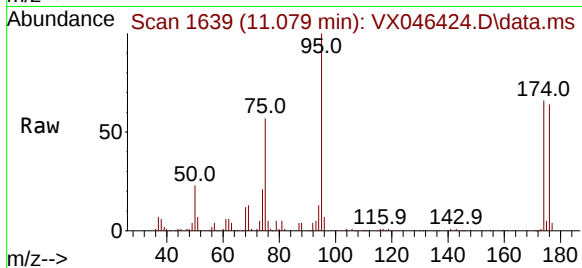
Tgt Ion: 75 Resp: 33224

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#



#84

1,2,4-Trimethylbenzene

Concen: 0.239 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046424.D

Acq: 30 May 2025 16:12

Tgt Ion: 105 Resp: 746

Ion Ratio Lower Upper

105 100

120 46.8 21.2 63.6

