

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046306.D
 Acq On : 21 May 2025 18:35
 Operator : JC/MD
 Sample : Q2082-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-400-402

Quant Time: May 22 01:53:52 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)

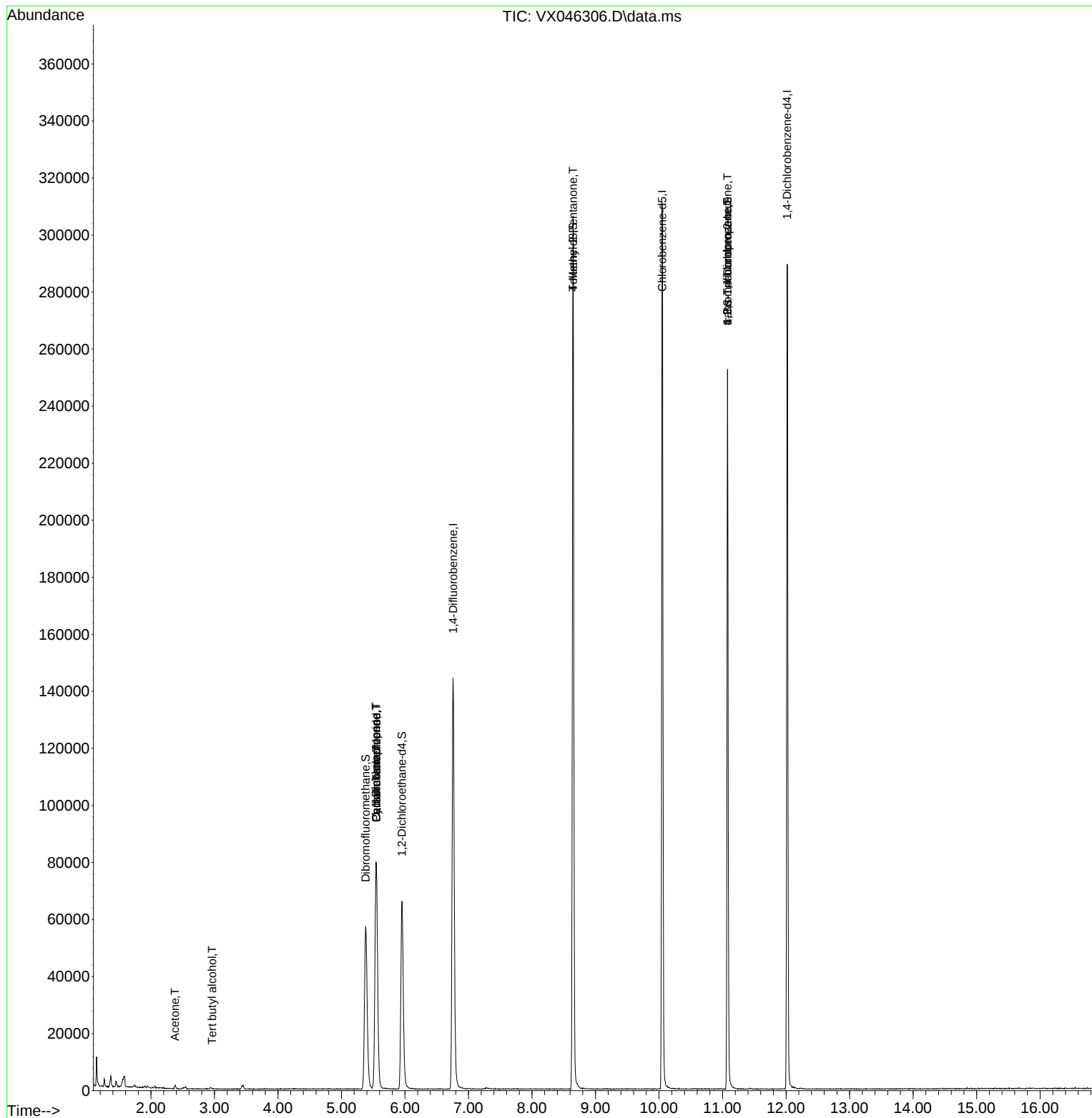
Internal Standards						
1) Pentafluorobenzene	5.550	168	68861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68826	53.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	5.379	113	49526	50.540	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.080%	
50) Toluene-d8	8.647	98	170460	50.258	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	11.079	95	64603	49.656	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	240	1.332	ug/l #	72
16) Acetone	2.380	43	1379	2.679	ug/l	95
31) Cyclohexane	5.550	56	2107	1.377	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	6645	5.047	ug/l #	52
38) Carbon Tetrachloride	5.550	117	8455	5.715	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1043	0.633	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	37629	29.218	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37629	95.123	ug/l #	1

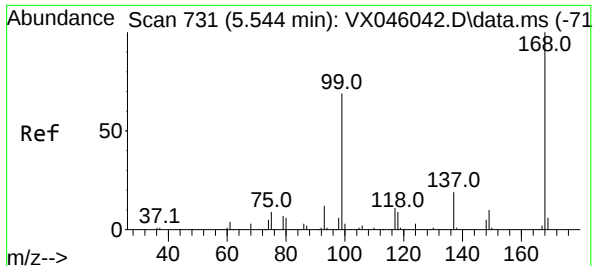
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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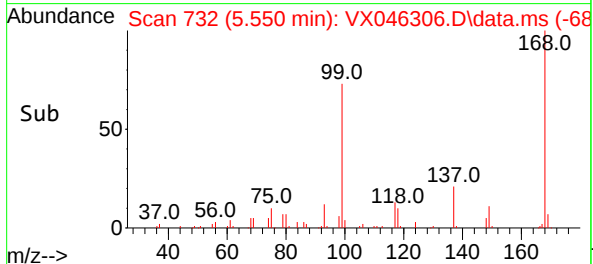
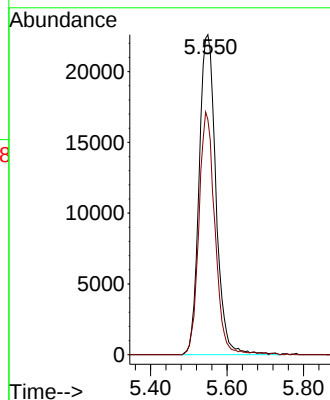
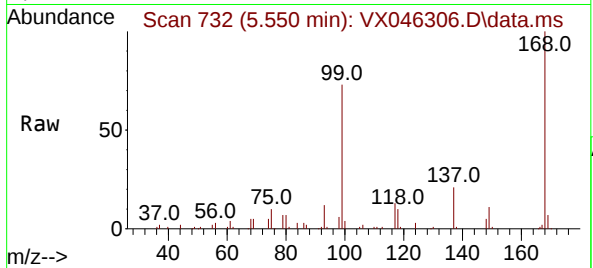




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

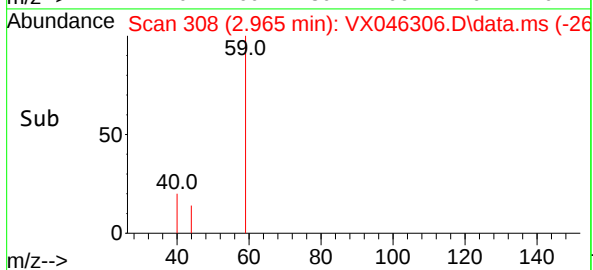
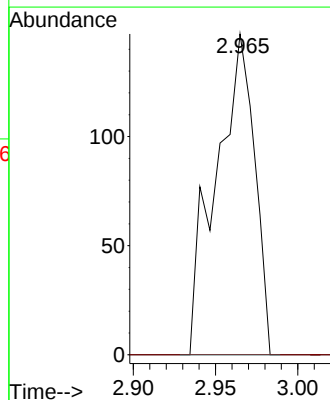
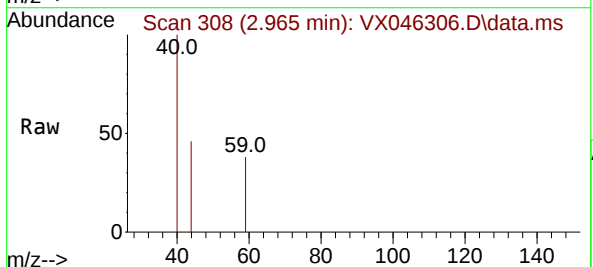
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion:168 Resp: 68861
Ion Ratio Lower Upper
168 100
99 73.5 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.332 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

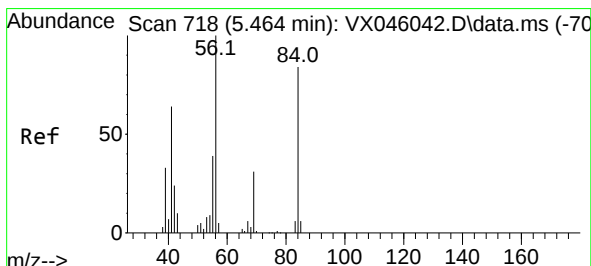
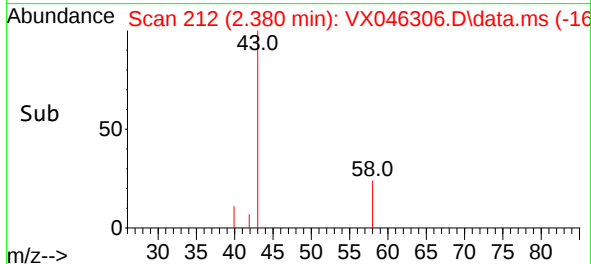
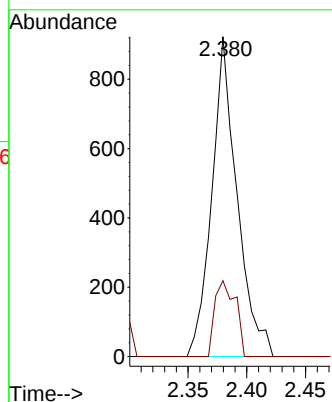
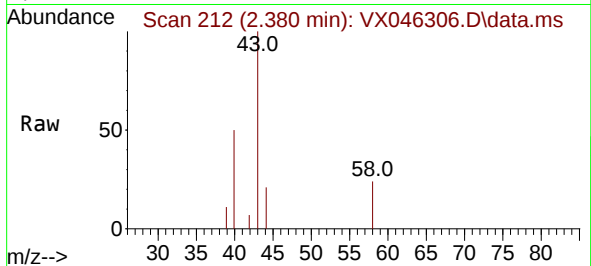




#16
Acetone
Concen: 2.679 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

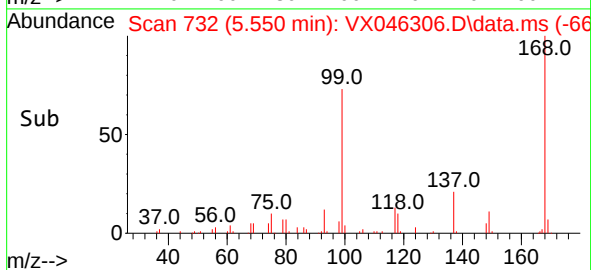
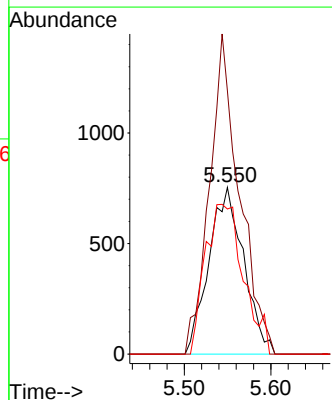
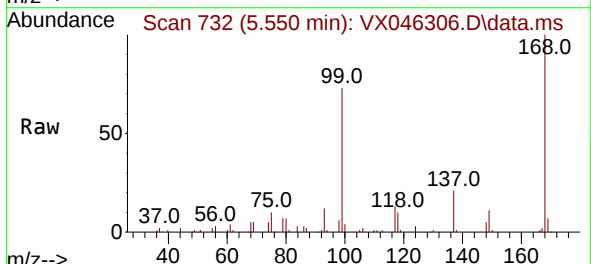
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

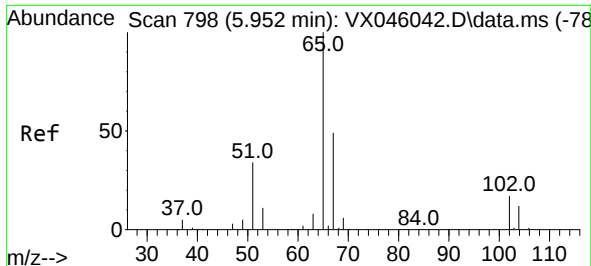
Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 23.7 21.2 31.8



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 56 Resp: 2107
Ion Ratio Lower Upper
56 100
69 158.0 24.4 36.6#
84 87.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.612 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046306.D

Acq: 21 May 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

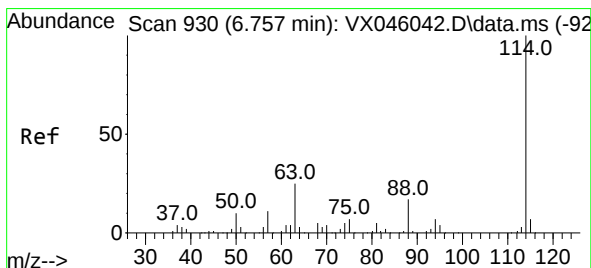
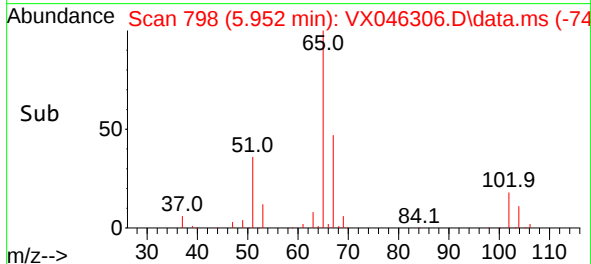
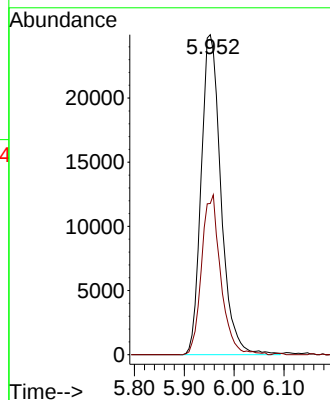
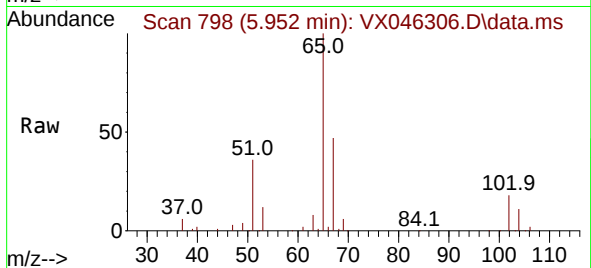
BP-VPB-182-GW-400-402

Tgt Ion: 65 Resp: 68826

Ion Ratio Lower Upper

65 100

67 48.4 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: VX046306.D

Acq: 21 May 2025 18:35

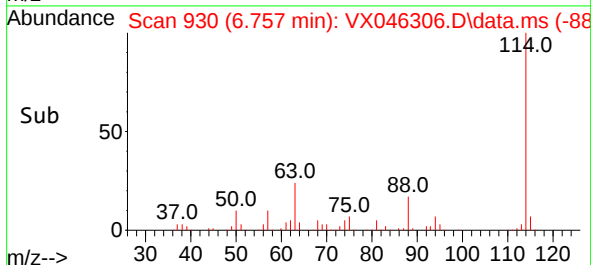
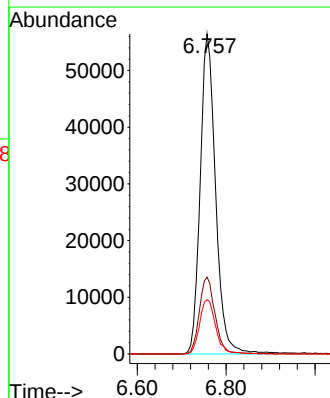
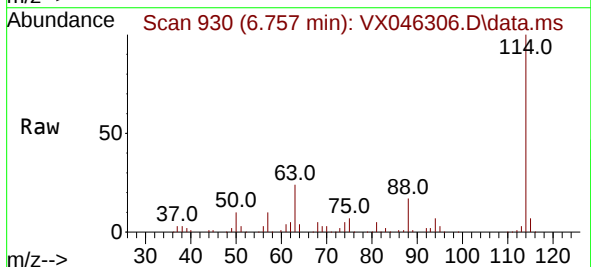
Tgt Ion: 114 Resp: 136083

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

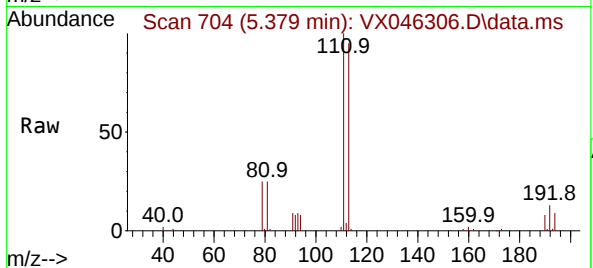
88 16.9 0.0 33.6



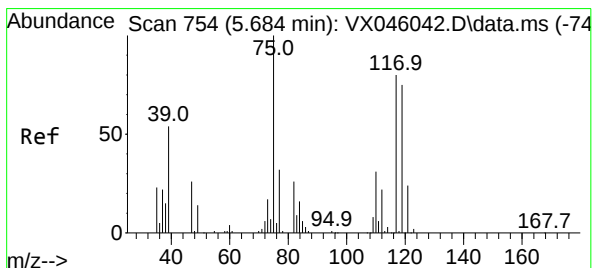
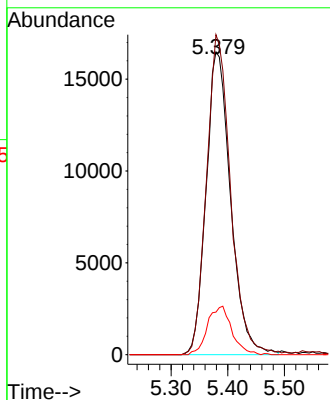
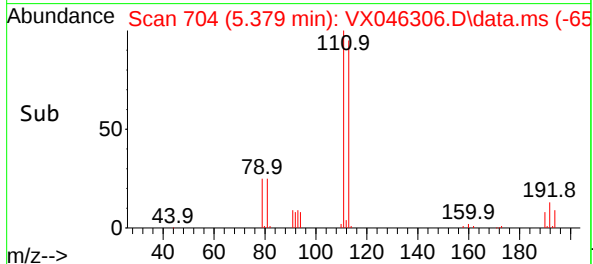


#35
Dibromofluoromethane
Concen: 50.540 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

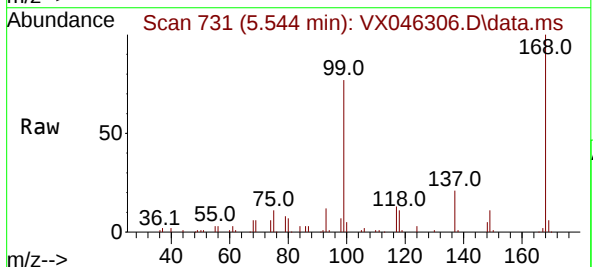
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402



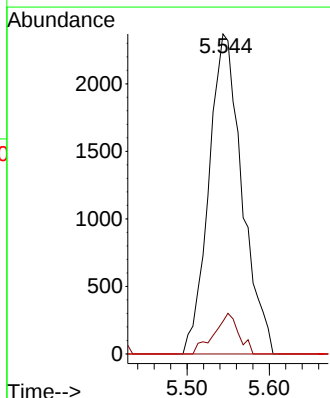
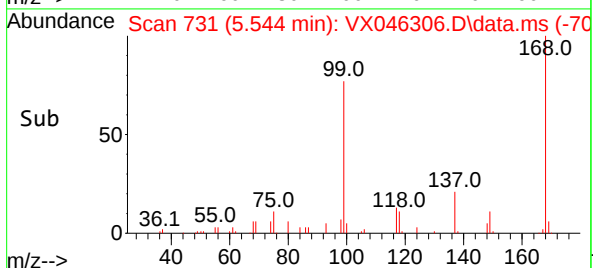
Tgt Ion:113 Resp: 49526
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 15.8 13.3 19.9

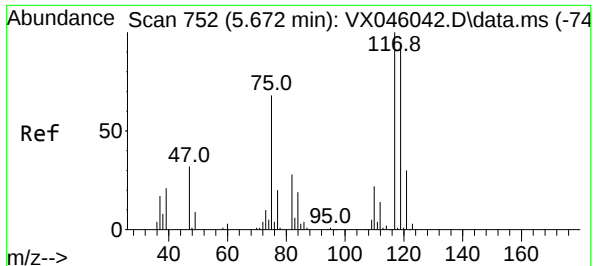


#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35



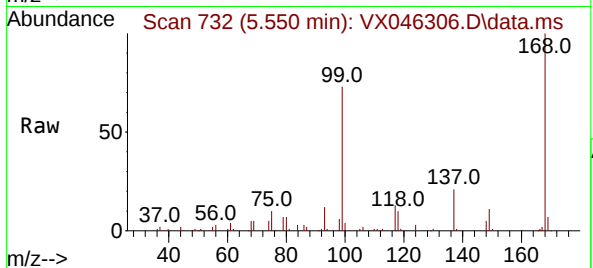
Tgt Ion: 75 Resp: 6645
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.3 36.5#



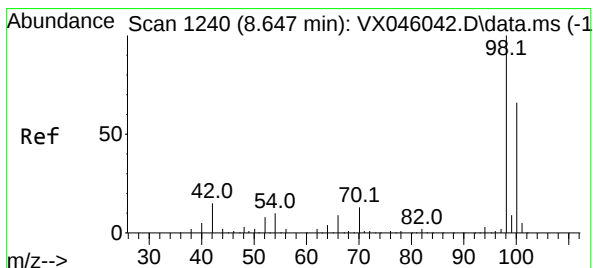
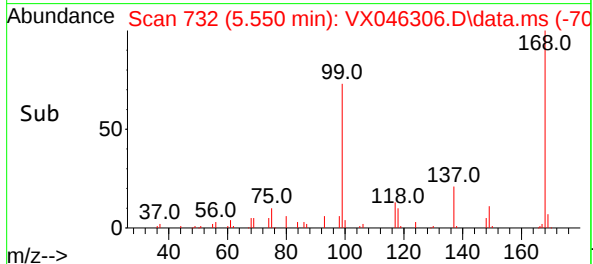
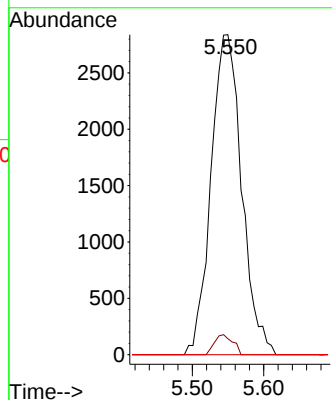


#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

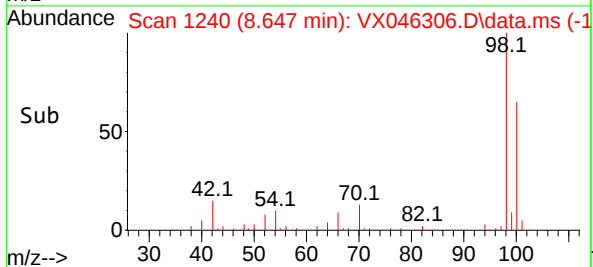
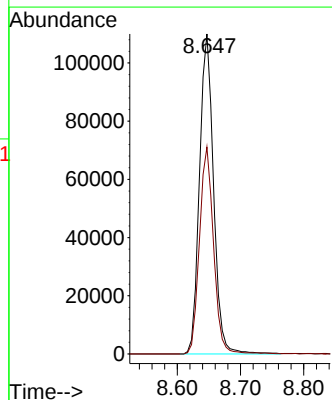
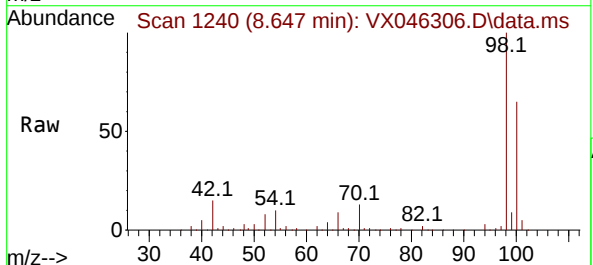


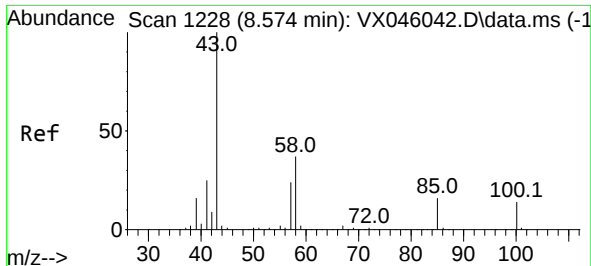
Tgt Ion:117 Resp: 8455
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.258 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 98 Resp: 170460
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3

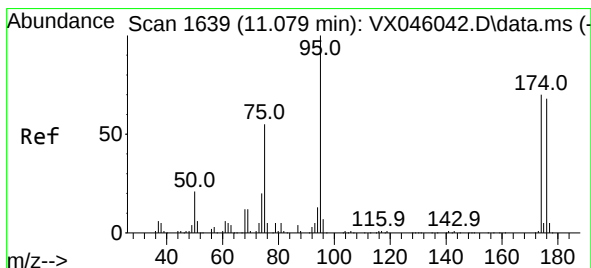
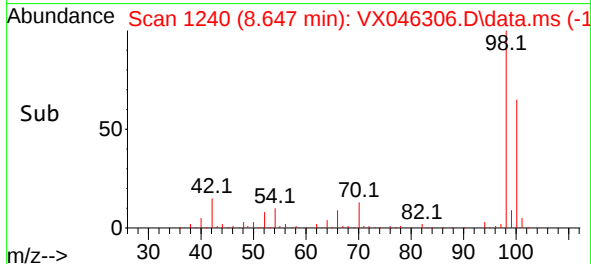
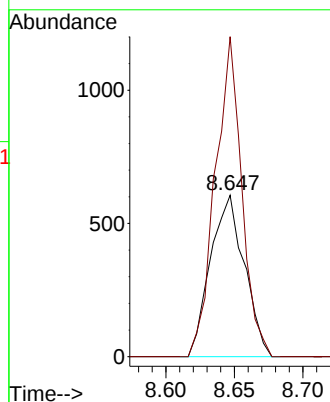
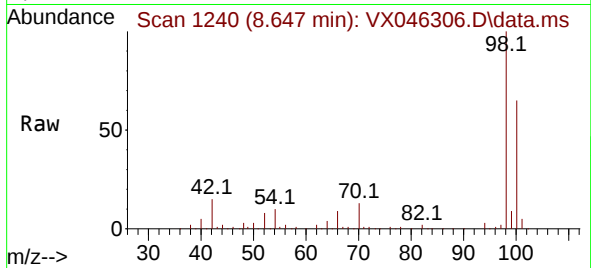




#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

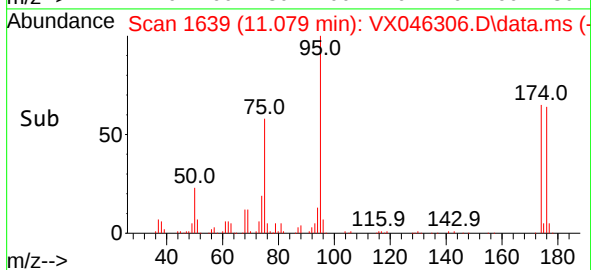
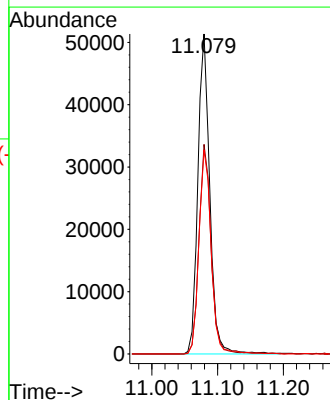
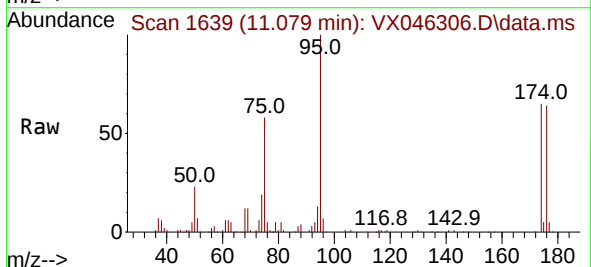
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

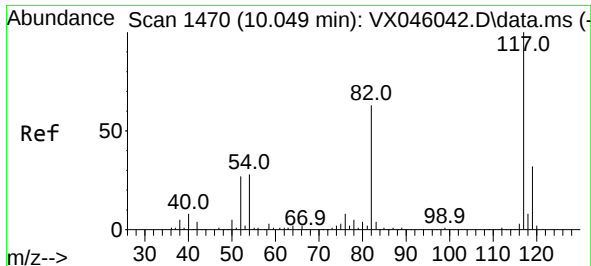
Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
58 155.3 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 49.656 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 95 Resp: 64603
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 65.6 0.0 131.4

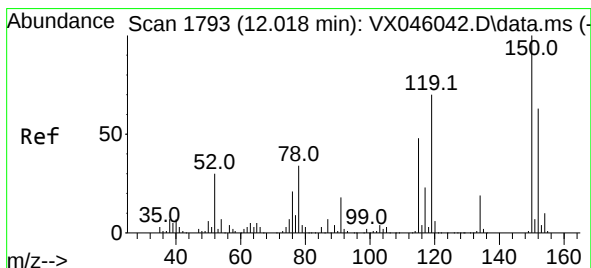
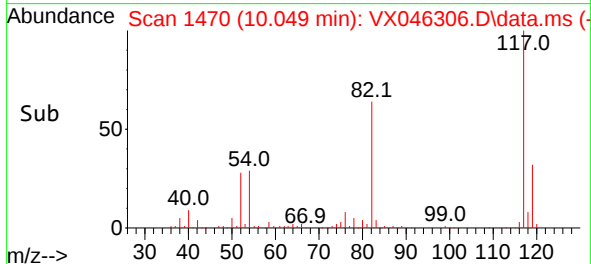
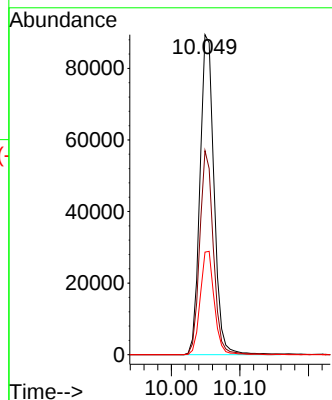
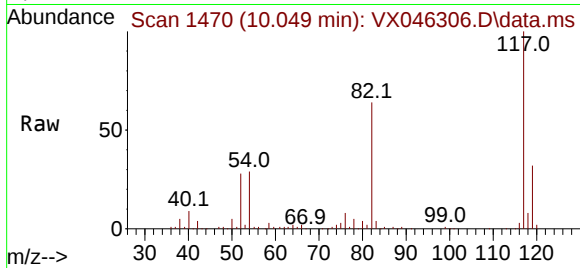




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

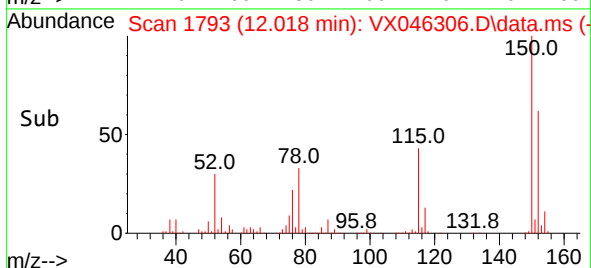
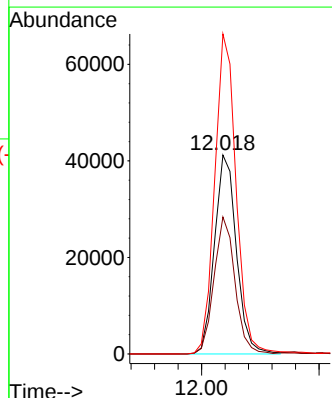
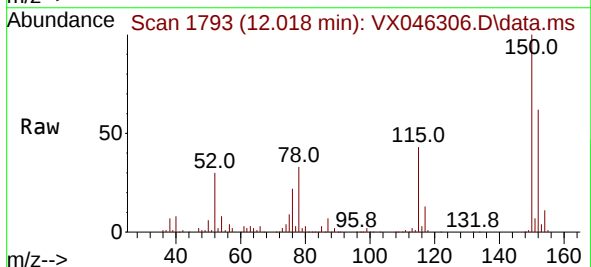
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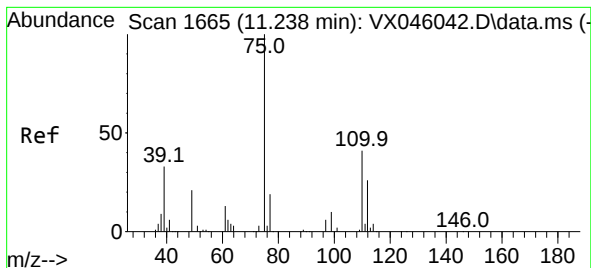
Tgt Ion:117 Resp: 127972
Ion Ratio Lower Upper
117 100
82 63.8 50.6 76.0
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion:152 Resp: 53505
Ion Ratio Lower Upper
152 100
115 65.8 46.9 140.7
150 157.5 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.218 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046306.D

Acq: 21 May 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

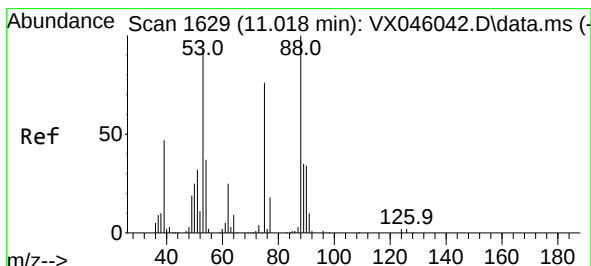
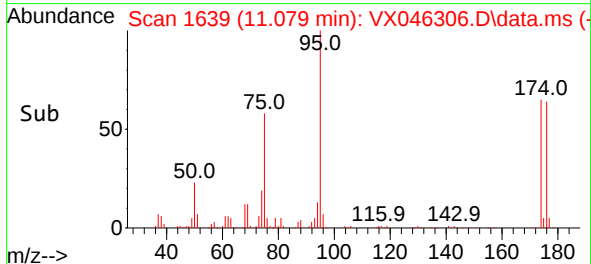
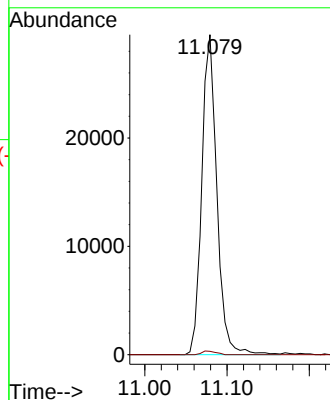
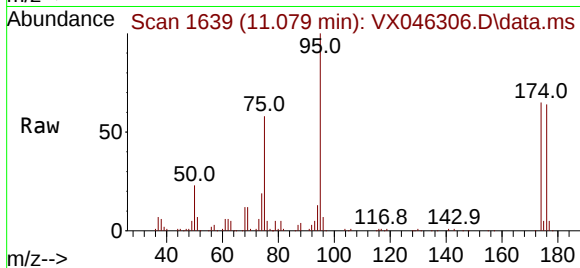
BP-VPB-182-GW-400-402

Tgt Ion: 75 Resp: 37629

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.123 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046306.D

Acq: 21 May 2025 18:35

Tgt Ion: 75 Resp: 37629

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

