

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046422.D
 Acq On : 30 May 2025 15:26
 Operator : JC/MD
 Sample : Q2162-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-EB-20250529

Quant Time: May 31 05:17:40 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)

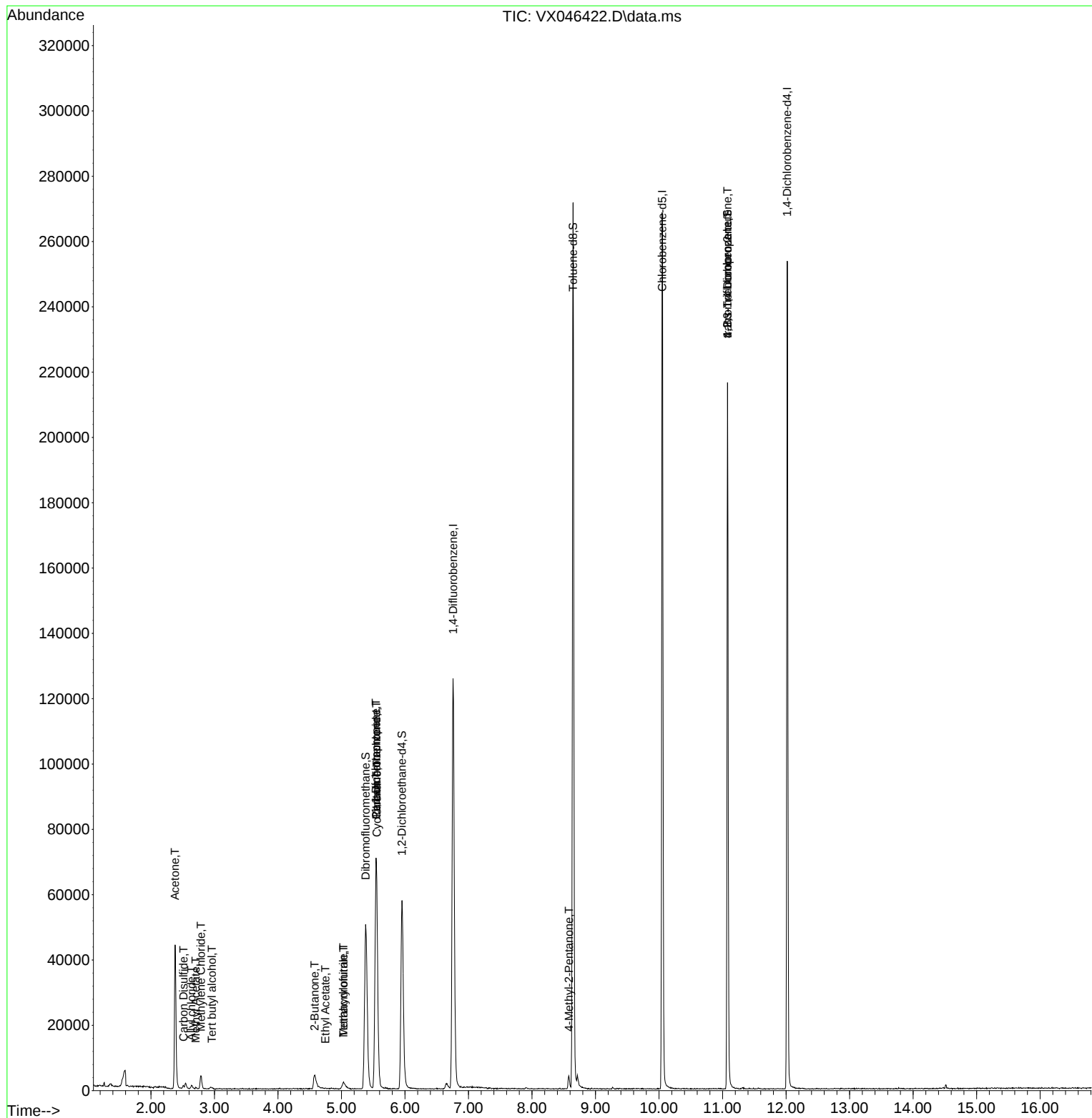
Internal Standards						
1) Pentafluorobenzene	5.550	168	58984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	113154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59725	54.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.620%			
35) Dibromofluoromethane	5.379	113	43783	51.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.647	98	150560	50.927	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	56461	49.788	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.580%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	483	3.129	ug/l #	72
14) Allyl chloride	2.636	41	910	0.681	ug/l #	44
16) Acetone	2.380	43	47928	108.703	ug/l	99
17) Carbon Disulfide	2.514	76	1138	0.686	ug/l	97
18) Methyl Acetate	2.703	43	479	0.468	ug/l #	55
20) Methylene Chloride	2.788	84	1844	2.182	ug/l	95
25) 2-Butanone	4.574	43	9427	14.727	ug/l	93
29) Tetrahydrofuran	5.032	42	2301	5.737	ug/l #	88
31) Cyclohexane	5.556	56	1761	1.344	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6244	5.441	ug/l #	50
37) Ethyl Acetate	4.745	43	311	0.219	ug/l #	70
38) Carbon Tetrachloride	5.550	117	7681	5.957	ug/l #	17
41) Methacrylonitrile	5.032	41	1255	1.692	ug/l #	48
51) 4-Methyl-2-Pentanone	8.580	43	2844	1.981	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	33203	29.660	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33203	96.564	ug/l #	1

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

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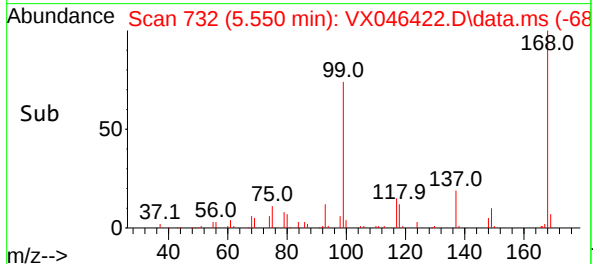
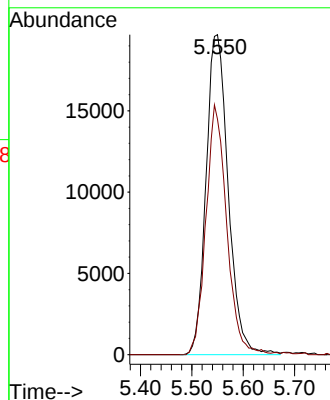
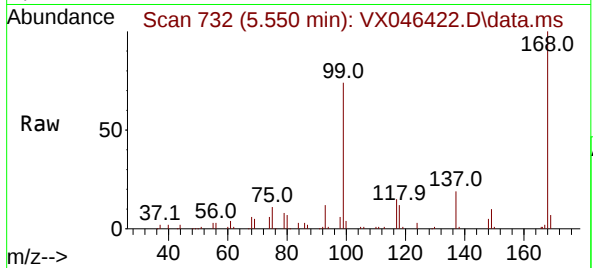




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

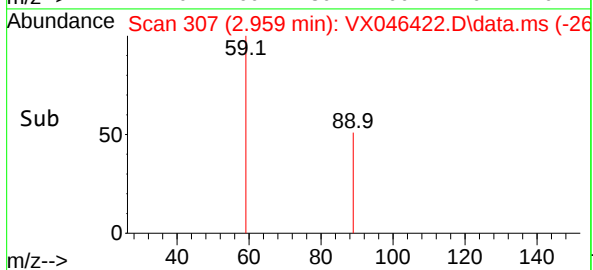
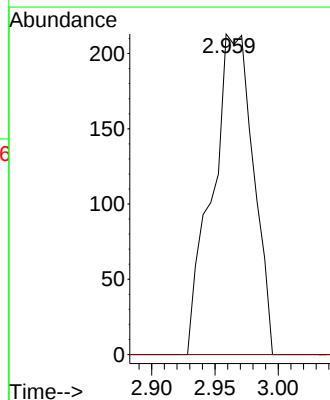
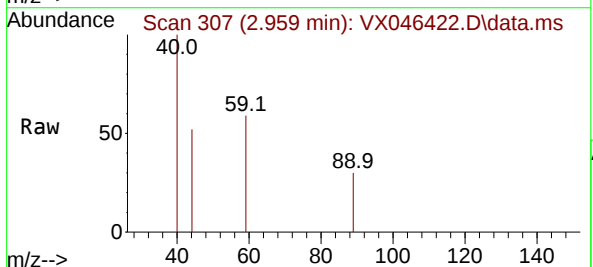
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

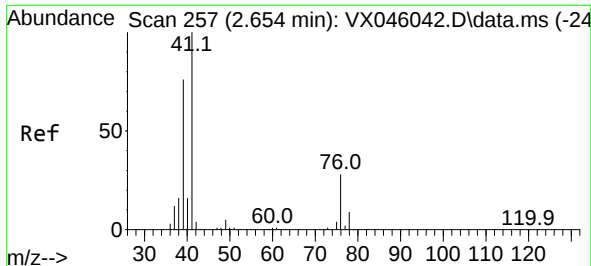
Tgt Ion:168 Resp: 58984
Ion Ratio Lower Upper
168 100
99 73.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 3.129 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

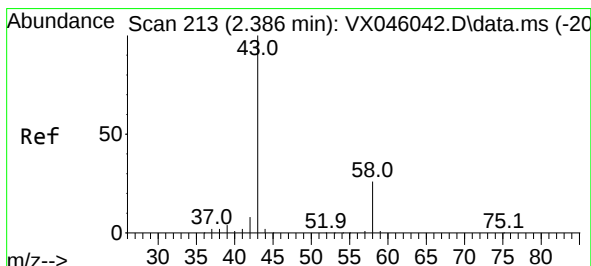
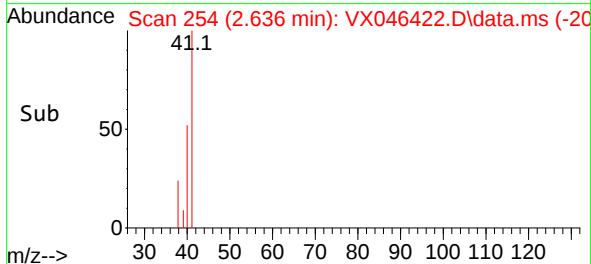
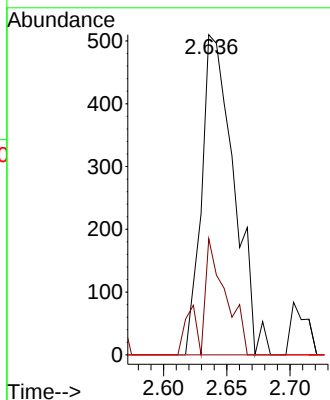
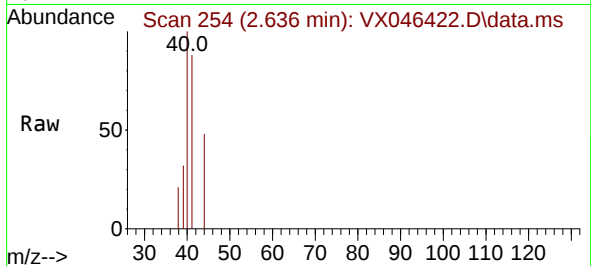




#14
 Allyl chloride
 Concen: 0.681 ug/l
 RT: 2.636 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX046422.D
 Acq: 30 May 2025 15:26

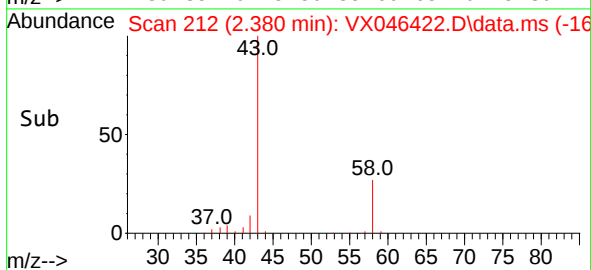
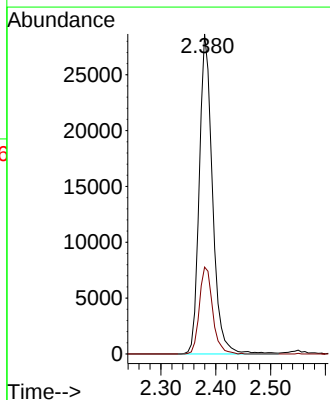
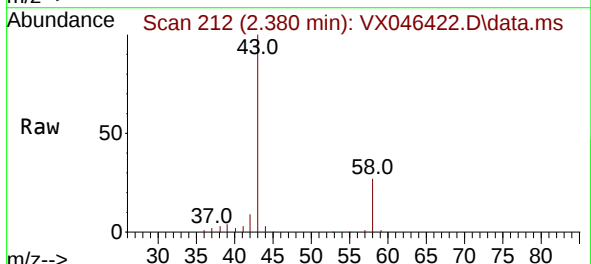
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-EB-20250529

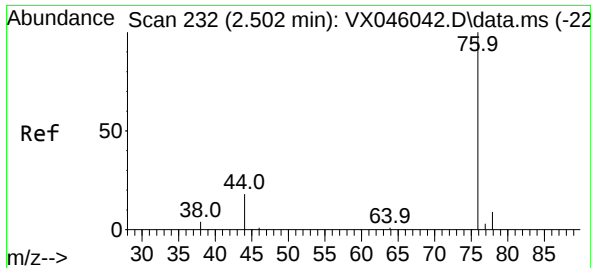
Tgt Ion: 41 Resp: 910
 Ion Ratio Lower Upper
 41 100
 39 27.9 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 108.703 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046422.D
 Acq: 30 May 2025 15:26

Tgt Ion: 43 Resp: 47928
 Ion Ratio Lower Upper
 43 100
 58 27.2 21.2 31.8

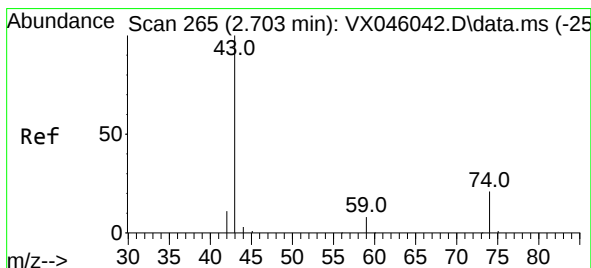
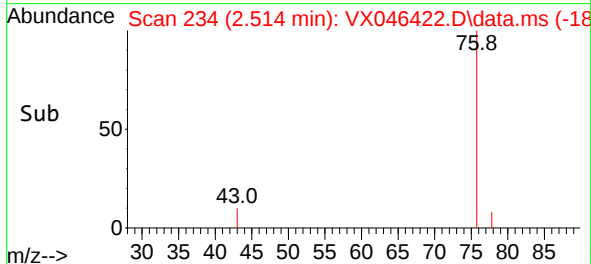
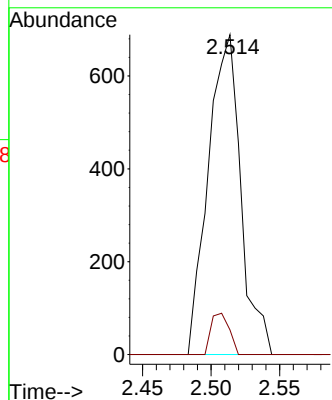
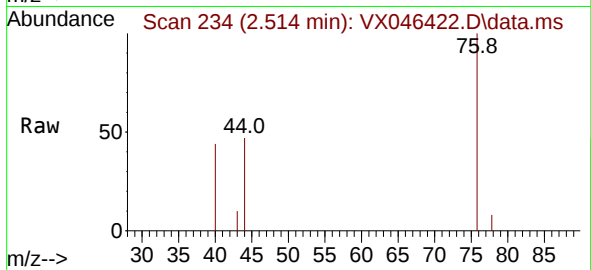




#17
Carbon Disulfide
Concen: 0.686 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

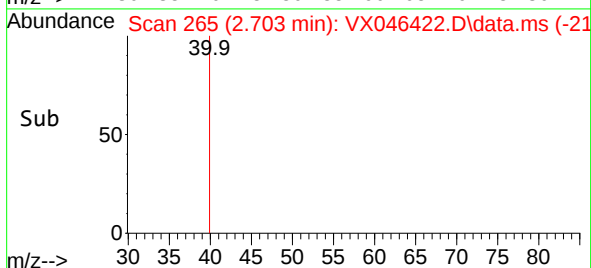
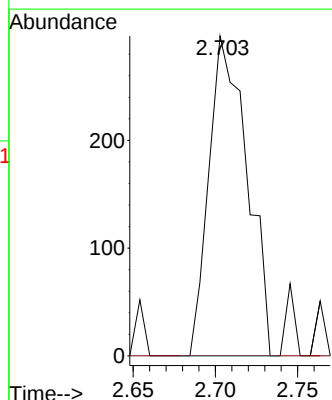
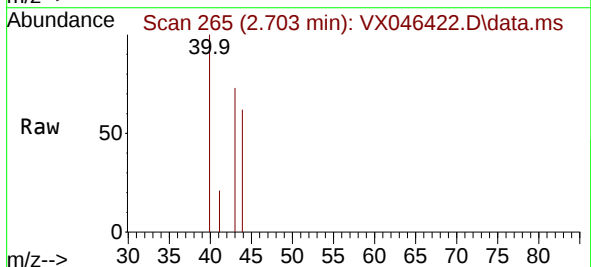
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

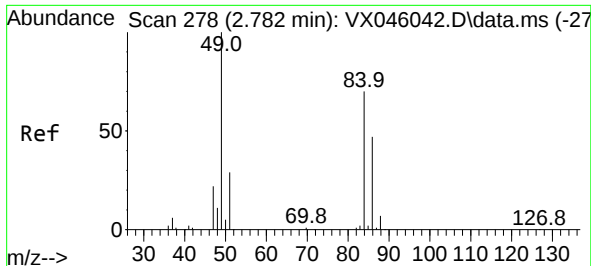
Tgt Ion: 76 Resp: 1138
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.4



#18
Methyl Acetate
Concen: 0.468 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



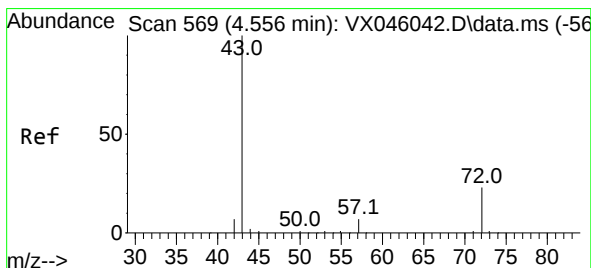
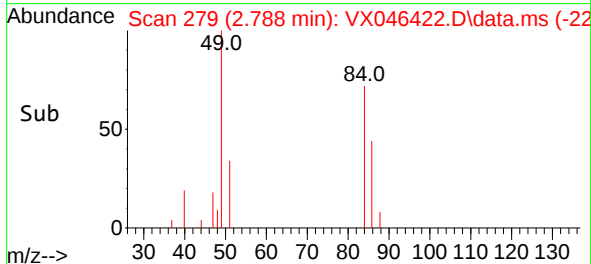
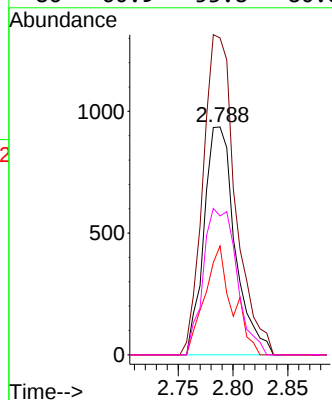
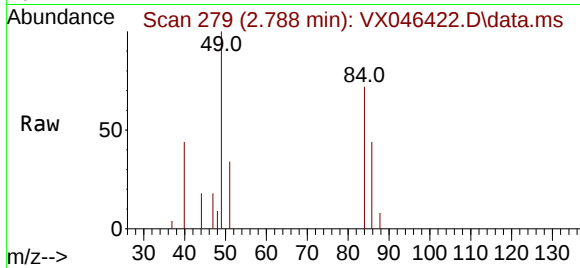


#20
Methylene Chloride
Concen: 2.182 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

Tgt Ion: 84 Resp: 1844

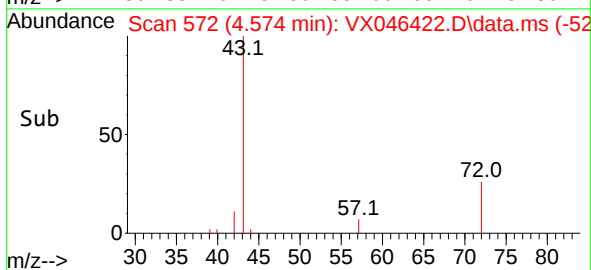
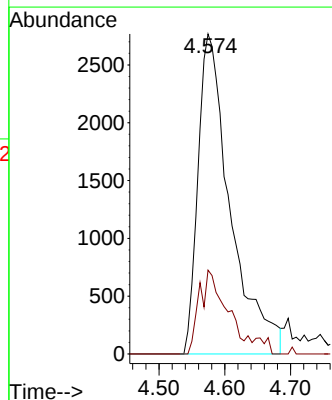
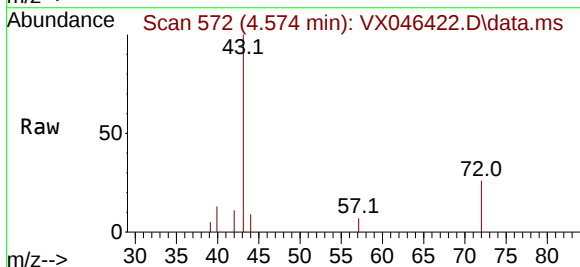
Ion	Ratio	Lower	Upper
84	100		
49	139.1	113.9	170.9
51	47.8	33.5	50.3
86	60.9	53.8	80.8

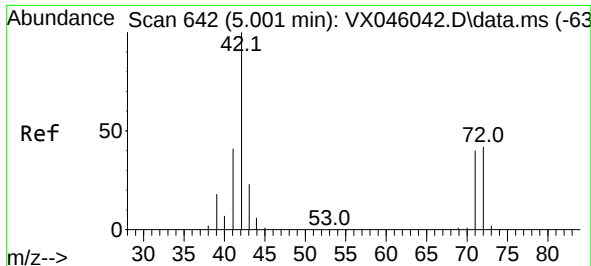


#25
2-Butanone
Concen: 14.727 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 43 Resp: 9427

Ion	Ratio	Lower	Upper
43	100		
72	26.2	18.4	27.6





#29

Tetrahydrofuran

Concen: 5.737 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX046422.D

Acq: 30 May 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-182-EB-20250529

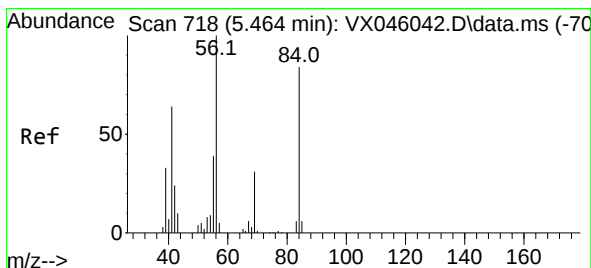
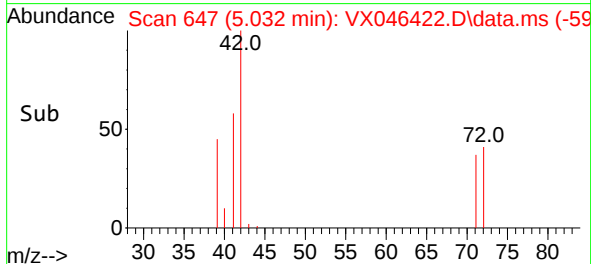
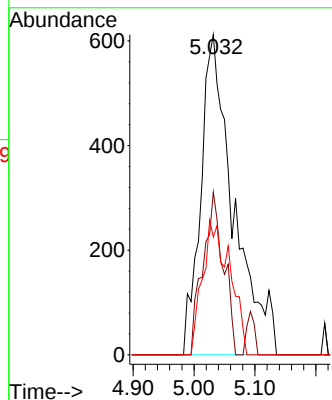
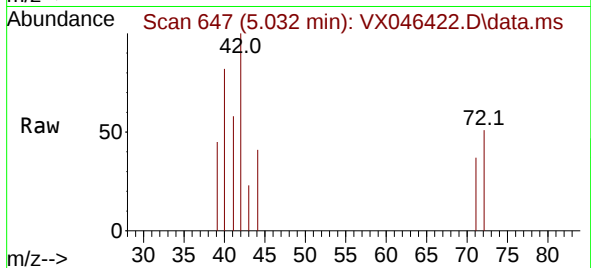
Tgt Ion: 42 Resp: 2301

Ion Ratio Lower Upper

42 100

72 31.7 33.7 50.5#

71 34.8 31.4 47.2



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX046422.D

Acq: 30 May 2025 15:26

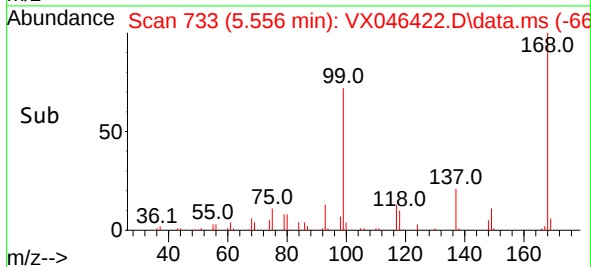
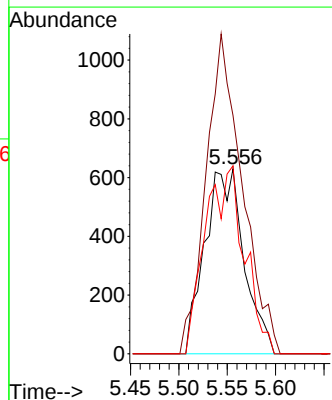
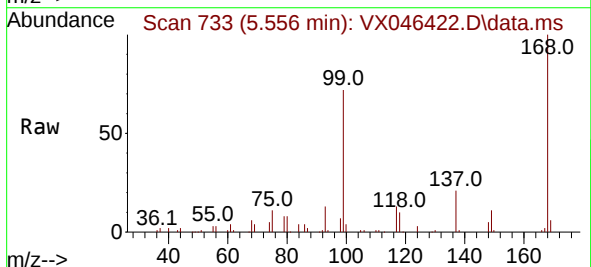
Tgt Ion: 56 Resp: 1761

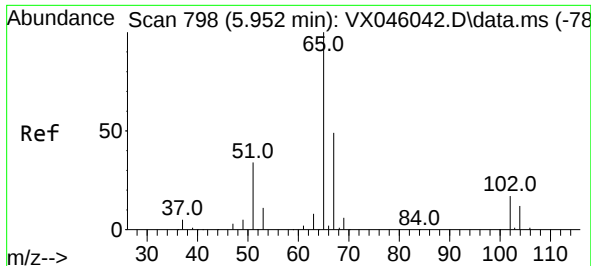
Ion Ratio Lower Upper

56 100

69 128.9 24.4 36.6#

84 101.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.313 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046422.D

Acq: 30 May 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

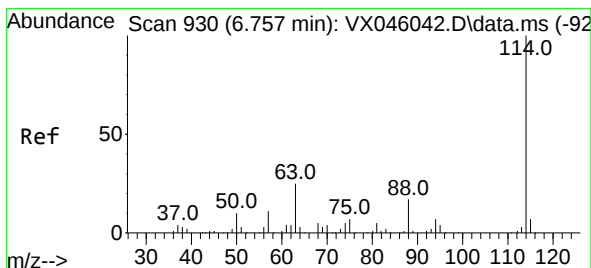
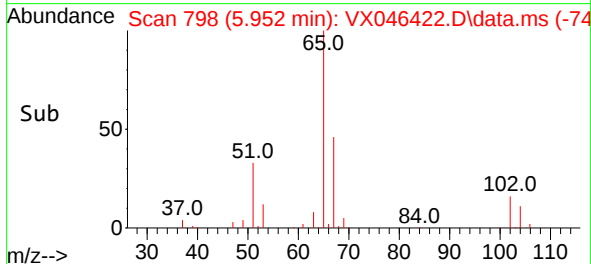
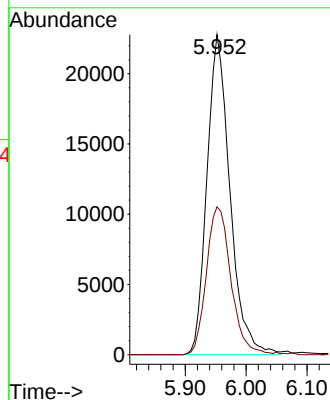
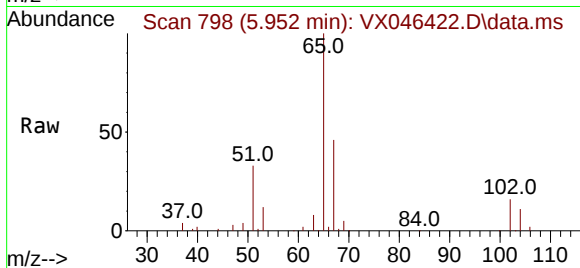
BP-VPB-182-EB-20250529

Tgt Ion: 65 Resp: 59725

Ion Ratio Lower Upper

65 100

67 49.2 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: VX046422.D

Acq: 30 May 2025 15:26

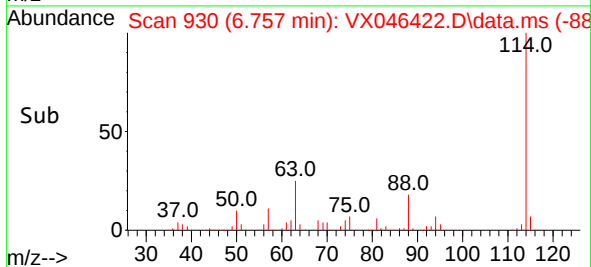
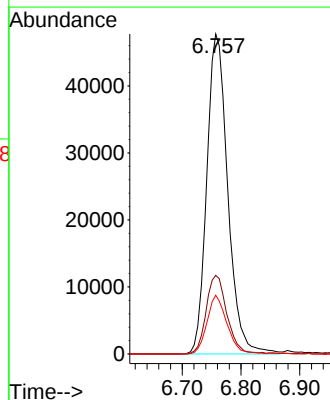
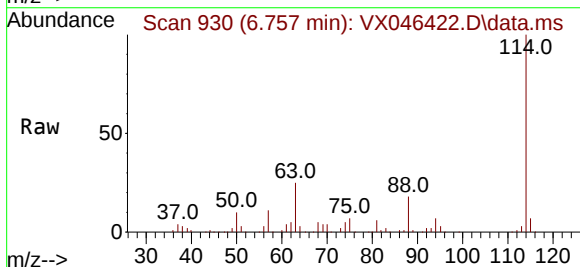
Tgt Ion: 114 Resp: 118618

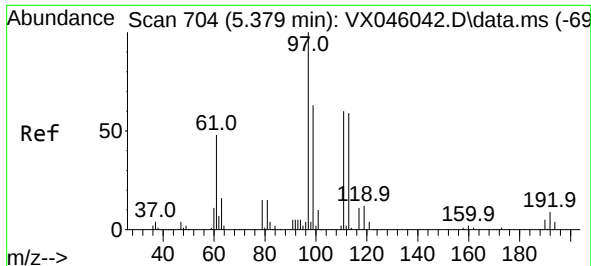
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

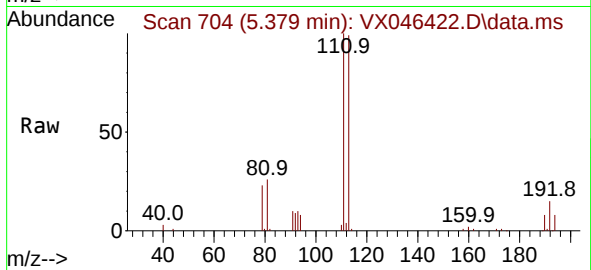
88 18.3 0.0 33.6



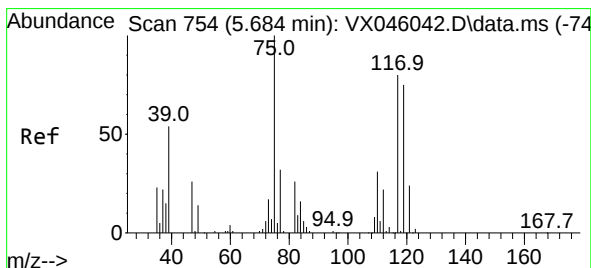
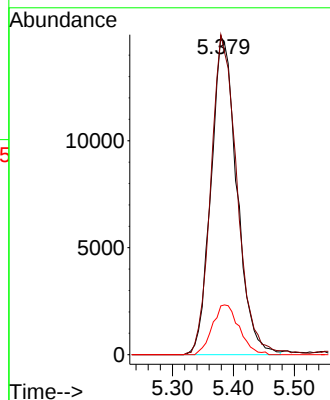
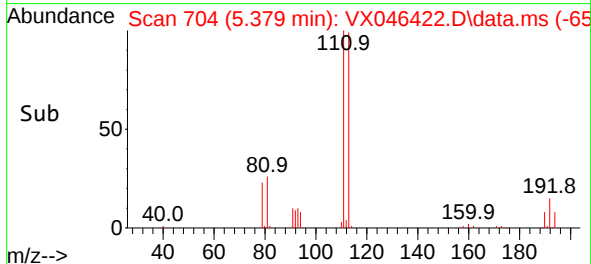


#35
Dibromofluoromethane
Concen: 51.258 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

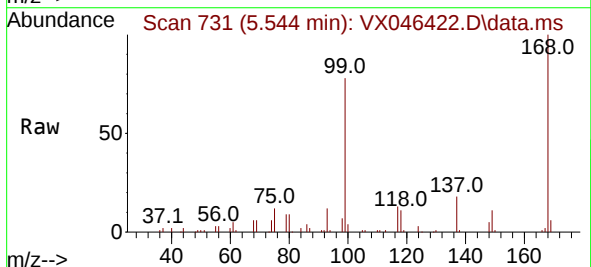
Instrument :
MSVOA_X
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BP-VPB-182-EB-20250529



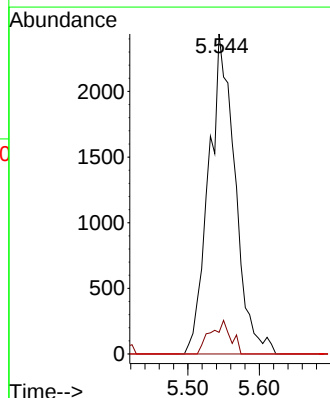
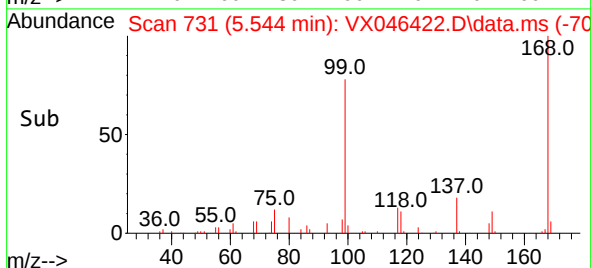
Tgt Ion:113 Resp: 43783
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 16.2 13.3 19.9

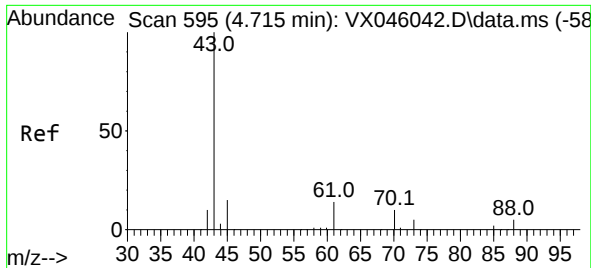


#36
1,1-Dichloropropene
Concen: 5.441 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26



Tgt Ion: 75 Resp: 6244
Ion Ratio Lower Upper
75 100
110 8.0 16.3 48.9#
77 0.0 24.3 36.5#

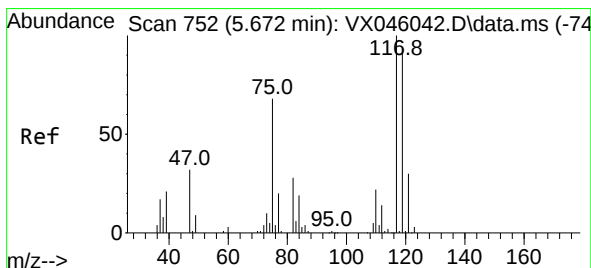
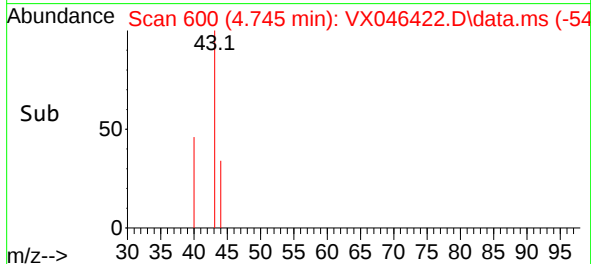
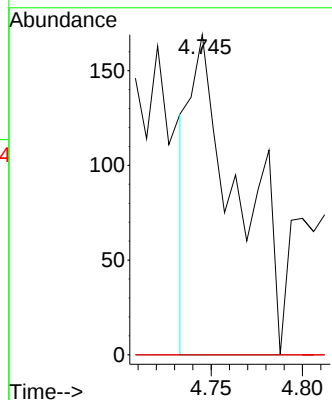
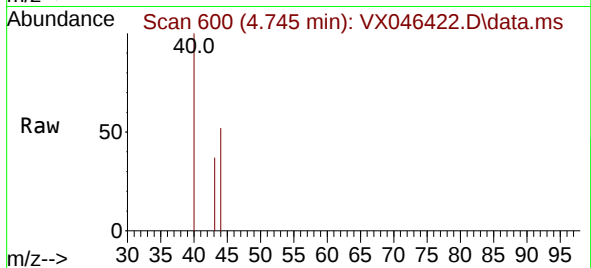




#37
Ethyl Acetate
Concen: 0.219 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

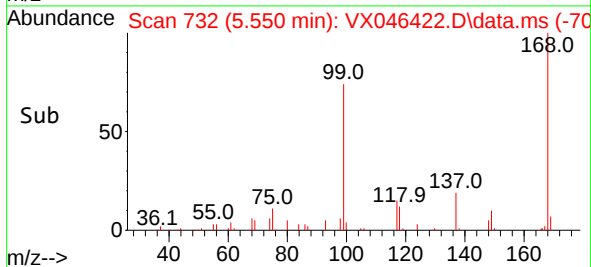
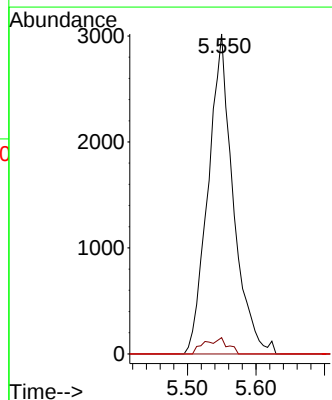
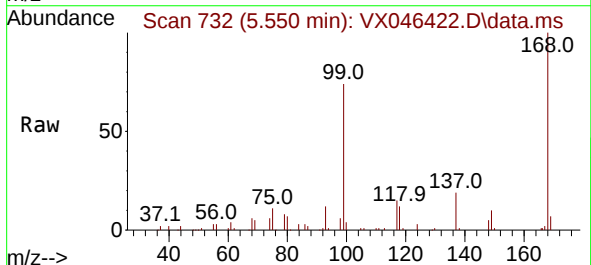
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

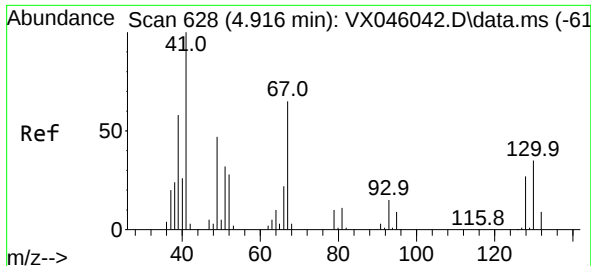
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.957 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 117 Resp: 7681
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 24.2 36.4#

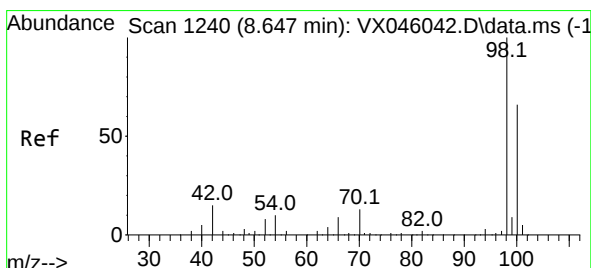
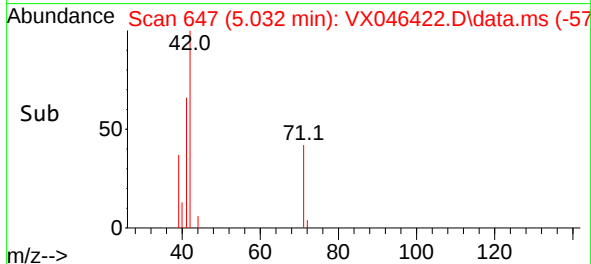
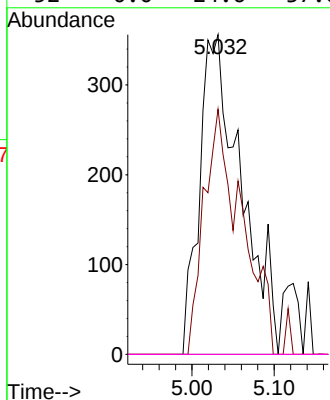
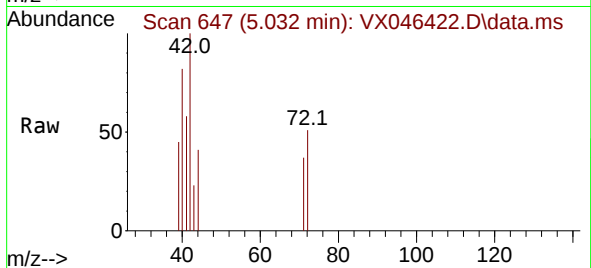




#41
Methacrylonitrile
Concen: 1.692 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

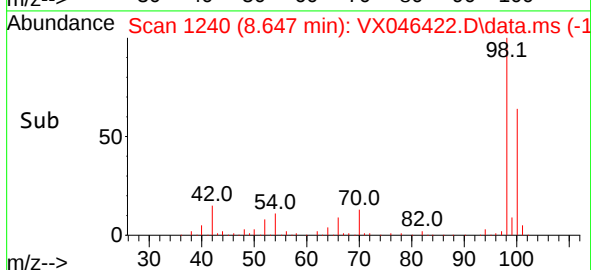
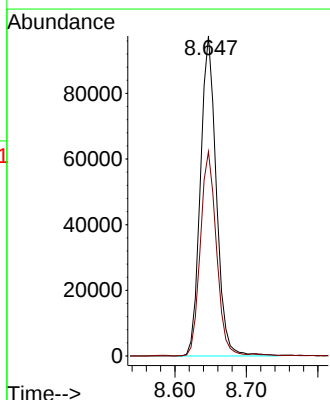
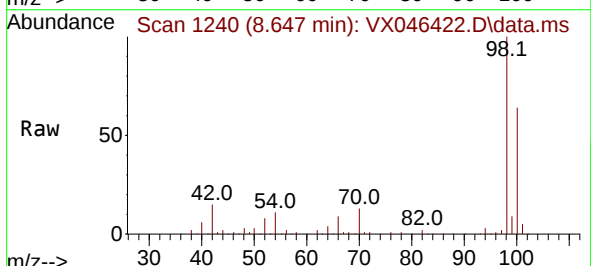
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

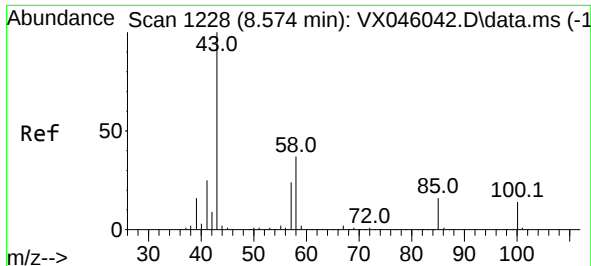
Tgt Ion: 41	Resp: 1255
Ion Ratio	Lower Upper
41 100	
39 45.5	47.2 70.8#
67 0.0	50.7 76.1#
52 0.0	24.6 37.0#



#50
Toluene-d8
Concen: 50.927 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 98	Resp: 150560
Ion Ratio	Lower Upper
98 100	
100 64.5	53.5 80.3

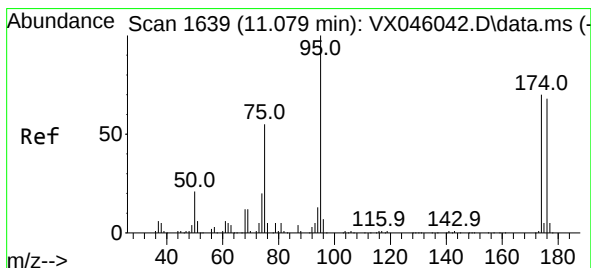
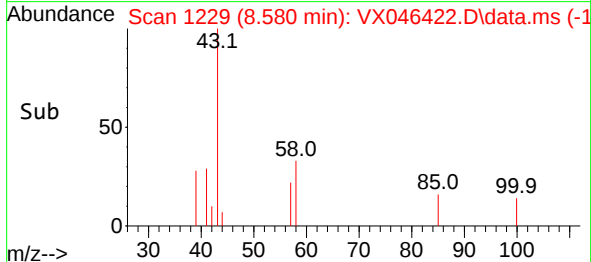
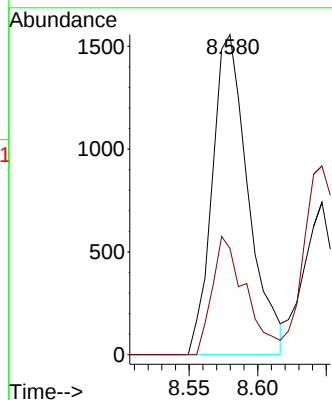
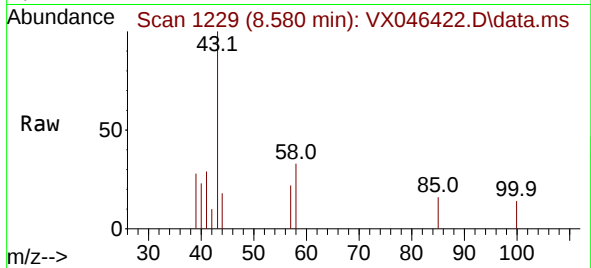




#51
4-Methyl-2-Pentanone
Concen: 1.981 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

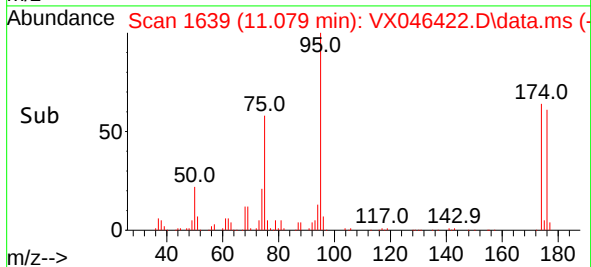
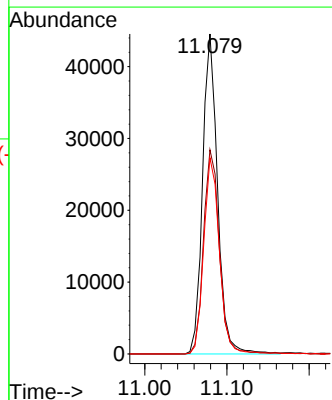
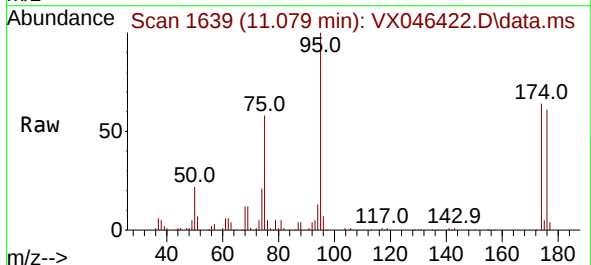
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

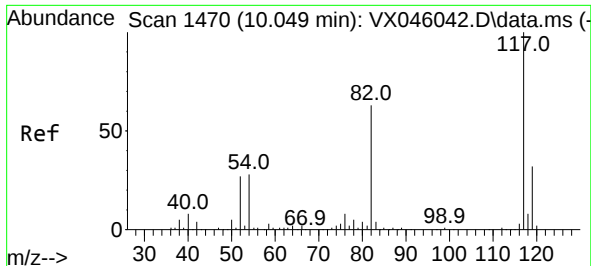
Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3



#62
4-Bromofluorobenzene
Concen: 49.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 95 Resp: 56461
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 64.5 0.0 131.4

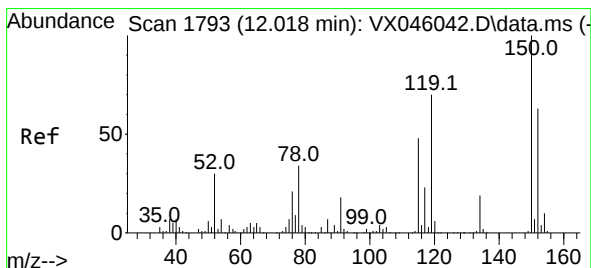
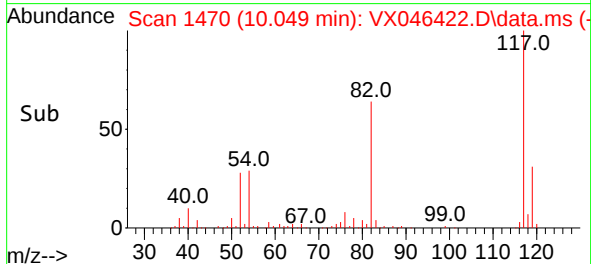
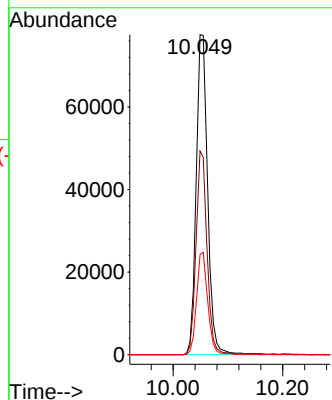
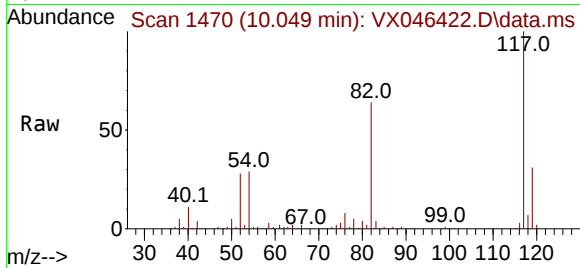




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

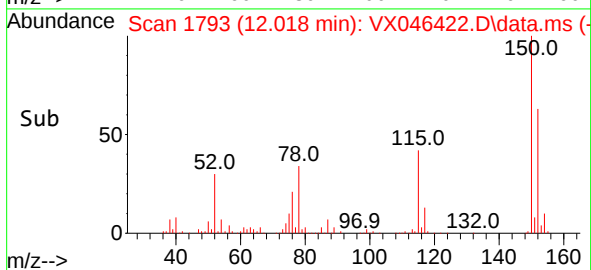
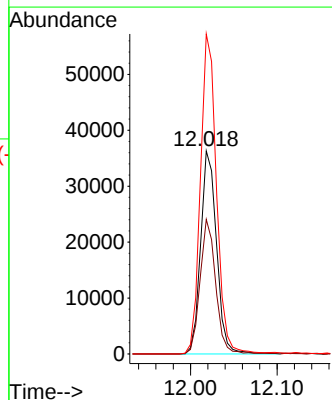
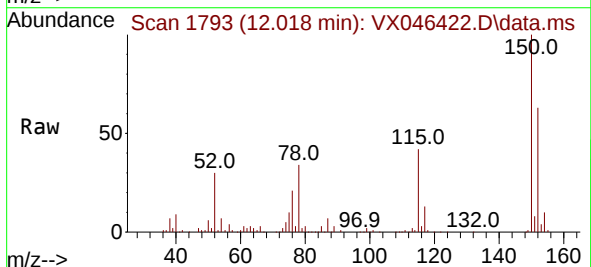
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

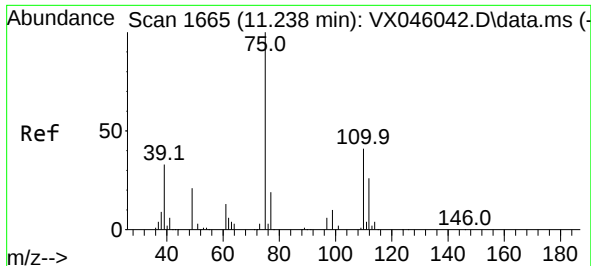
Tgt Ion:117 Resp: 113154
Ion Ratio Lower Upper
117 100
82 63.6 50.6 76.0
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion:152 Resp: 46507
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 158.0 0.0 351.0

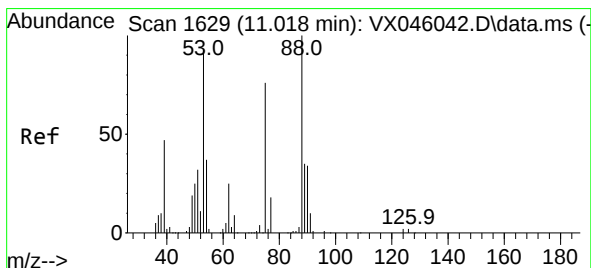
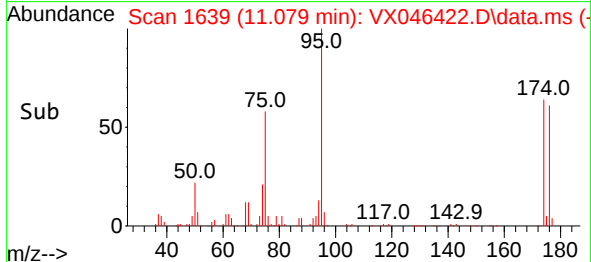
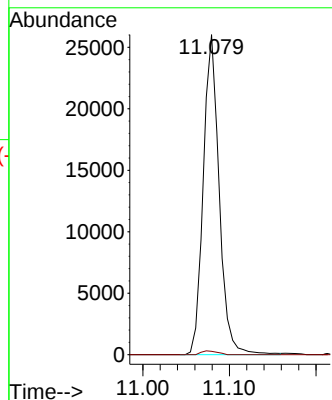
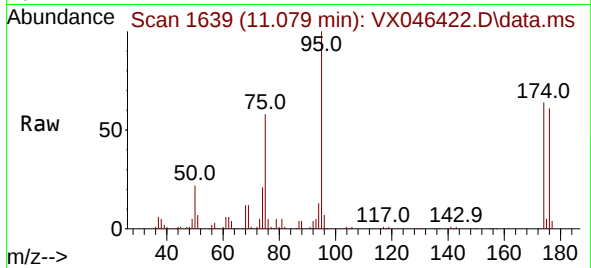




#76
1,2,3-Trichloropropane
Concen: 29.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-EB-20250529

Tgt Ion: 75 Resp: 33203
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.564 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046422.D
Acq: 30 May 2025 15:26

Tgt Ion: 75 Resp: 33203
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

