

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032074.D
 Acq On : 11 Aug 2025 18:03
 Operator : SY/MD
 Sample : Q2819-04
 Misc : 5.68g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-S

Quant Time: Aug 12 04:29:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

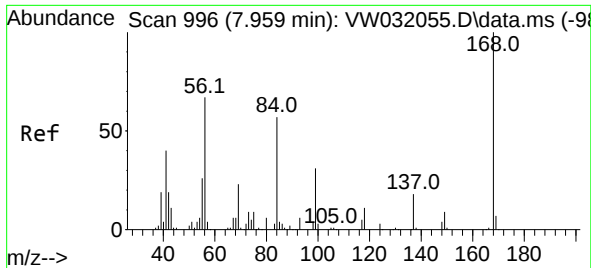
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	167919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	354178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	340658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131102	53.983	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 107.960%		
35) Dibromofluoromethane	7.898	113	114884	50.209	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.420%		
50) Toluene-d8	10.325	98	420096	49.639	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 99.280%		
62) 4-Bromofluorobenzene	12.617	95	161066	51.644	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 103.280%		
Target Compounds						Qvalue
16) Acetone	4.155	43	2191	3.897	ug/l	97
17) Carbon Disulfide	4.429	76	8408	1.538	ug/l	98
20) Methylene Chloride	4.954	84	11936	4.591	ug/l	95
31) Cyclohexane	7.953	56	3939	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	15423	4.781	ug/l #	49
38) Carbon Tetrachloride	7.959	117	19706	6.330	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	84620	39.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	84620	102.457	ug/l #	9

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

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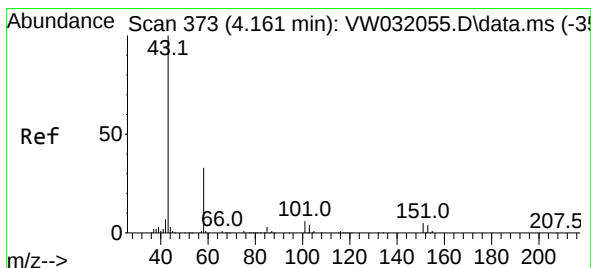
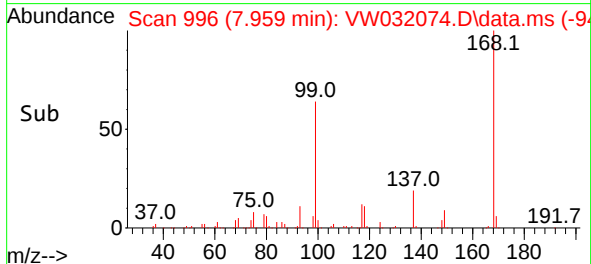
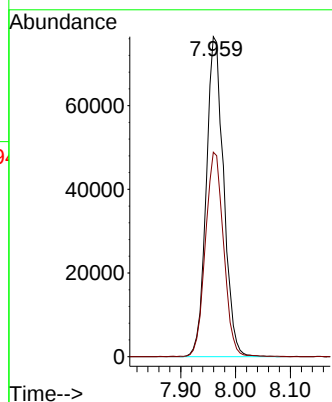
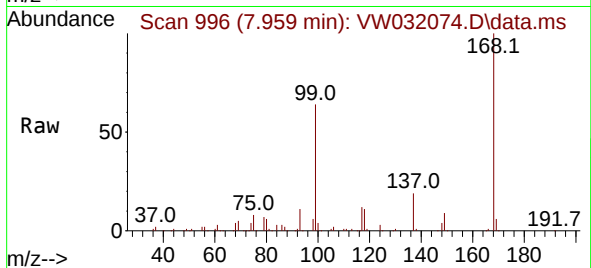




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

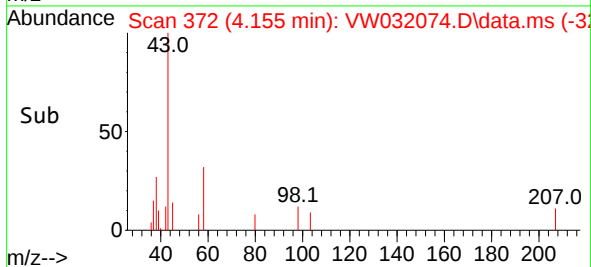
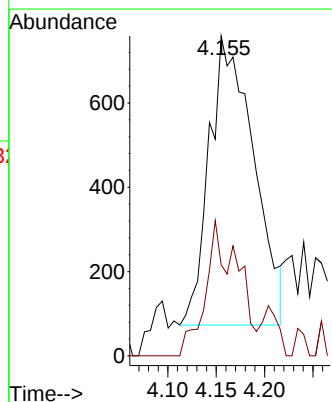
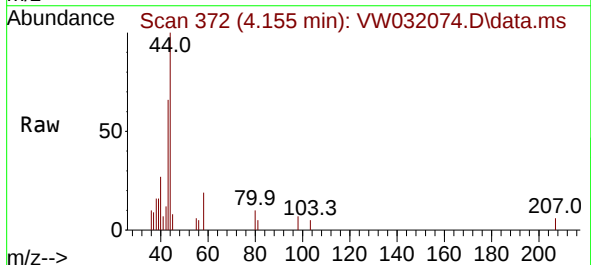
Instrument :
MSVOA_W
ClientSampleId :
22BP-S

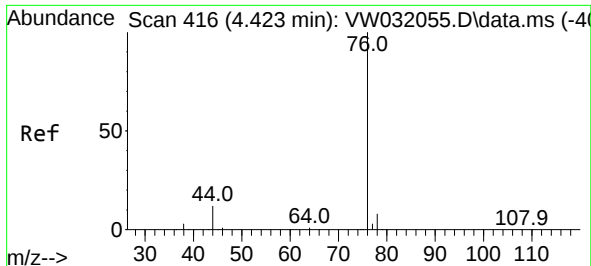
Tgt Ion:168 Resp: 167919
Ion Ratio Lower Upper
168 100
99 63.8 56.0 84.0



#16
Acetone
Concen: 3.897 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 31.5 26.6 39.8

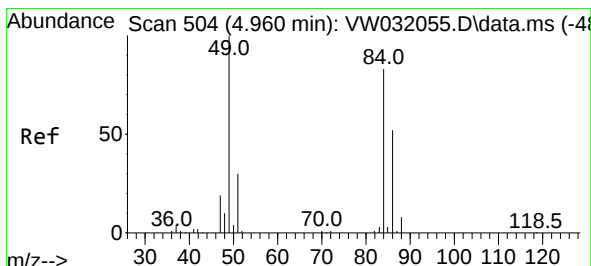
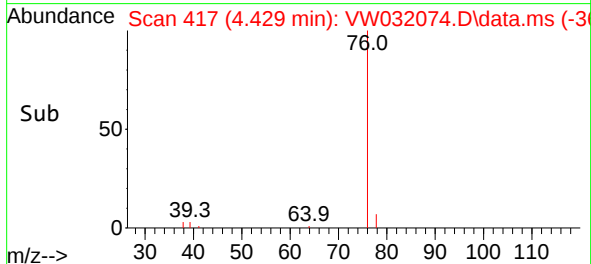
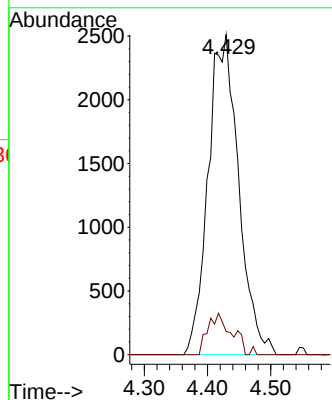
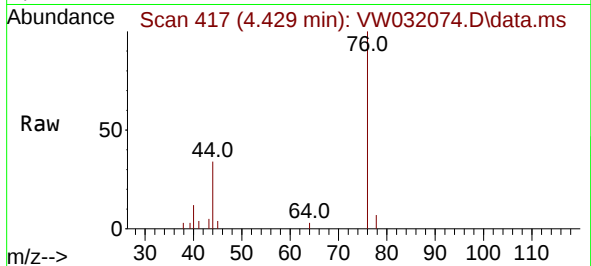




#17
Carbon Disulfide
Concen: 1.538 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

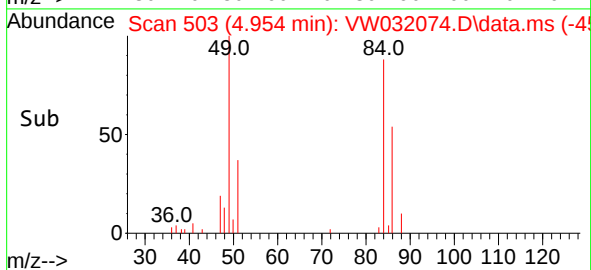
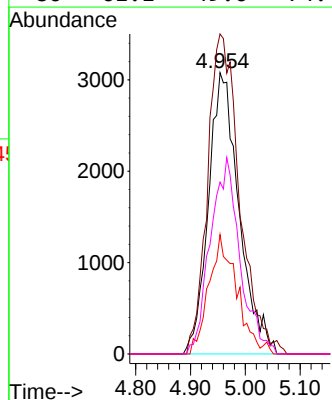
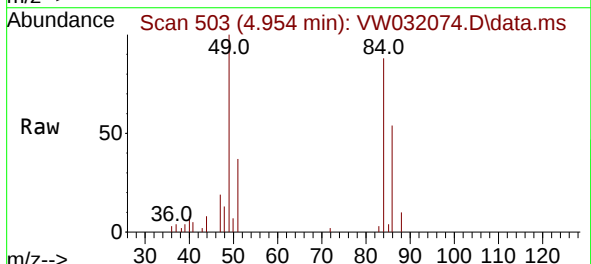
Instrument :
MSVOA_W
ClientSampleId :
22BP-S

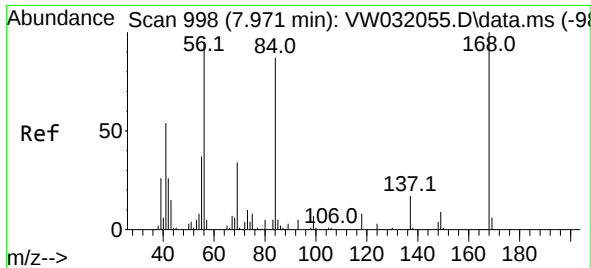
Tgt Ion: 76 Resp: 8408
Ion Ratio Lower Upper
76 100
78 7.2 6.4 9.6



#20
Methylene Chloride
Concen: 4.591 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Tgt Ion: 84 Resp: 11936
Ion Ratio Lower Upper
84 100
49 113.8 95.9 143.9
51 42.5 28.6 43.0
86 61.1 49.6 74.4

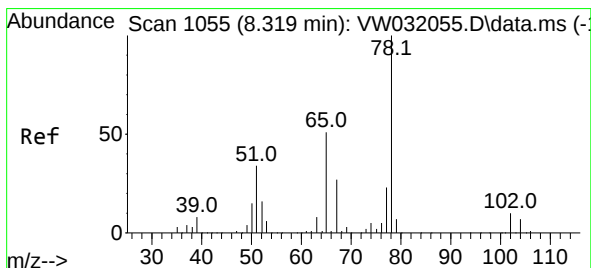
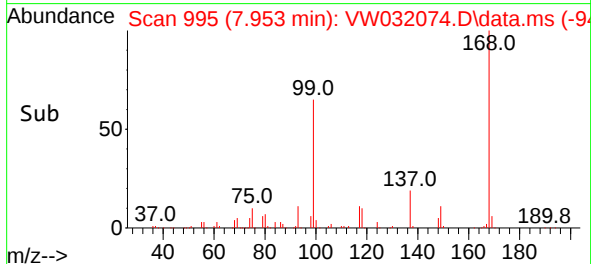
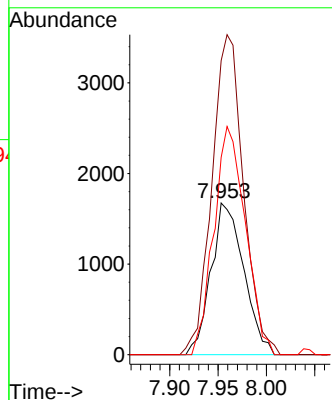
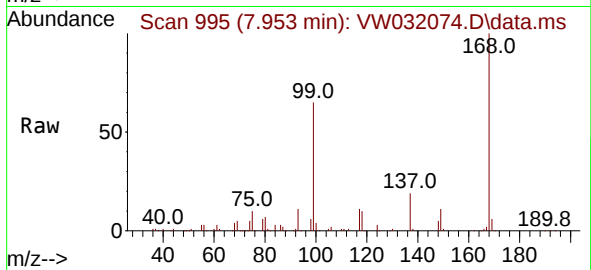




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

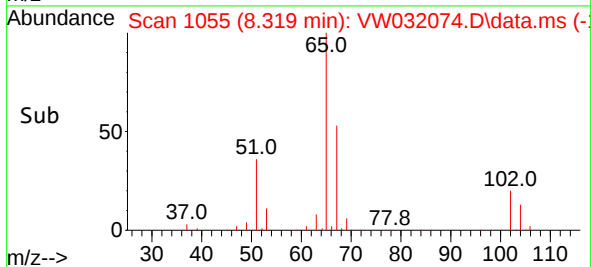
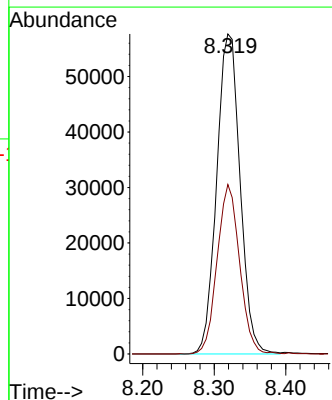
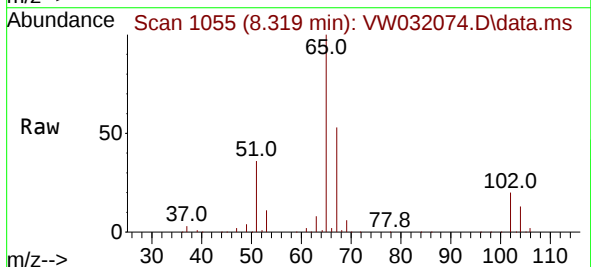
Instrument :
MSVOA_W
ClientSampleId :
22BP-S

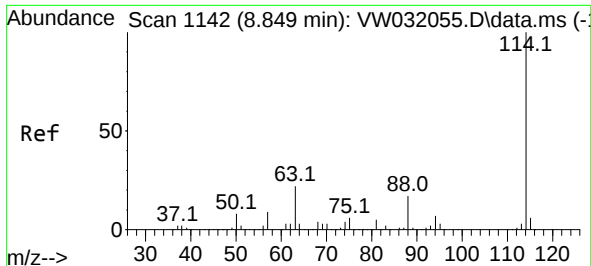
Tgt Ion: 56 Resp: 3939
Ion Ratio Lower Upper
56 100
69 193.8 28.6 42.8#
84 130.0 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 53.983 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Tgt Ion: 65 Resp: 131102
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

Instrument :

MSVOA_W

ClientSampleId :

22BP-S

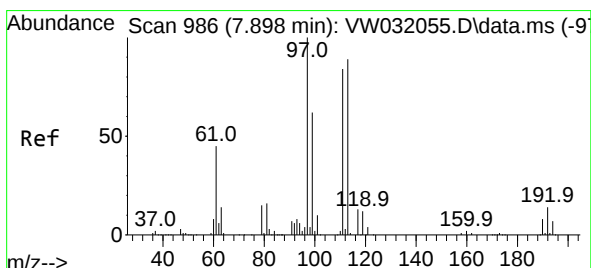
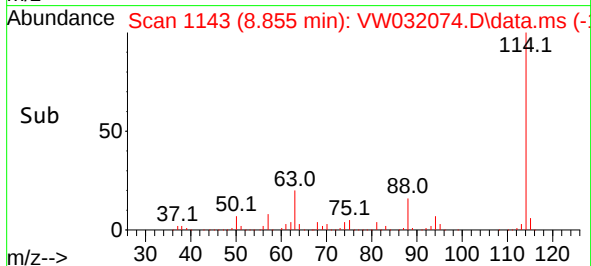
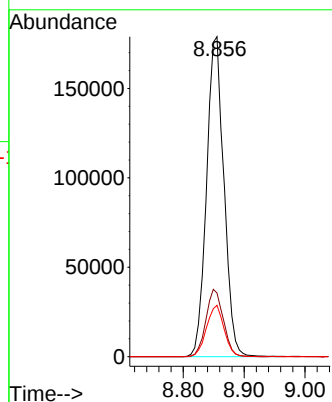
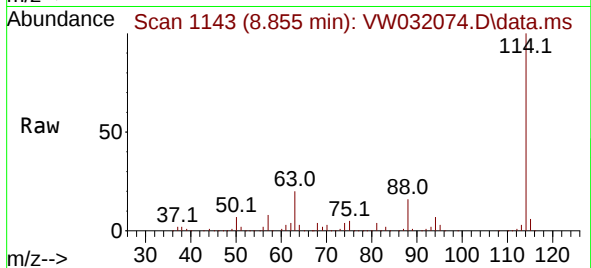
Tgt Ion:114 Resp: 354178

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.0

88 16.0 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.209 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

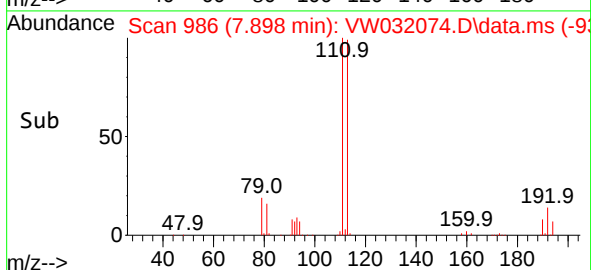
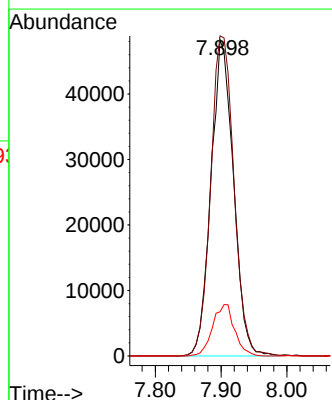
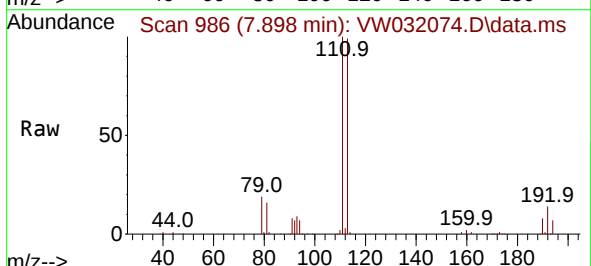
Tgt Ion:113 Resp: 114884

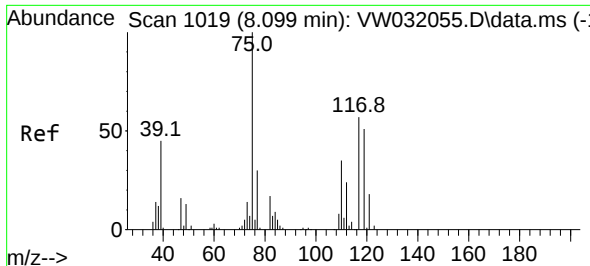
Ion Ratio Lower Upper

113 100

111 104.4 80.1 120.1

192 15.9 13.1 19.7





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.146 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

Instrument :

MSVOA_W

ClientSampleId :

22BP-S

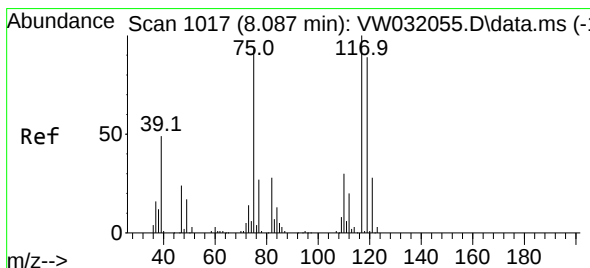
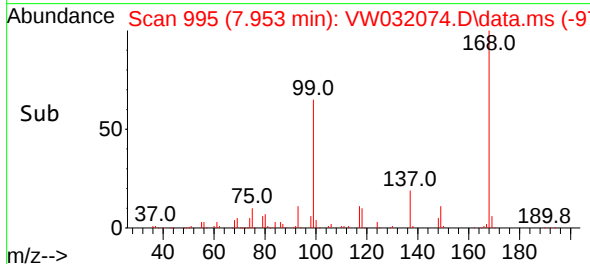
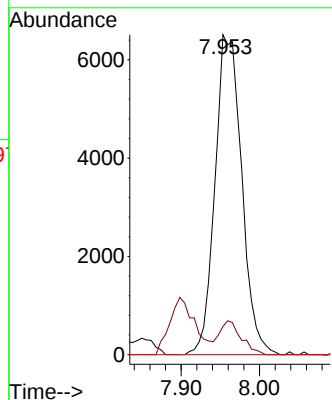
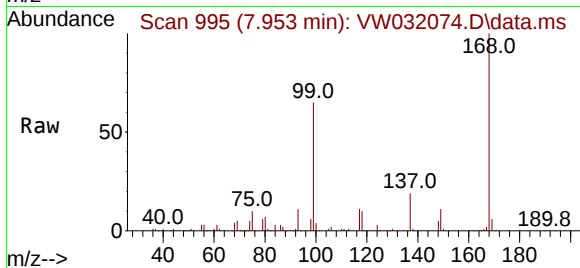
Tgt Ion: 75 Resp: 15423

Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.330 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

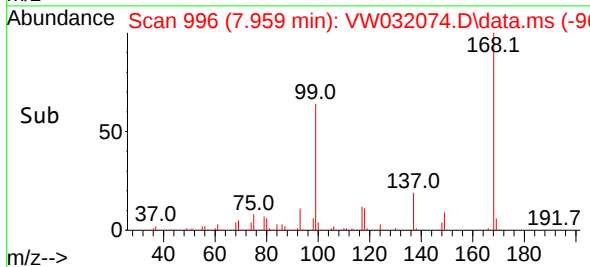
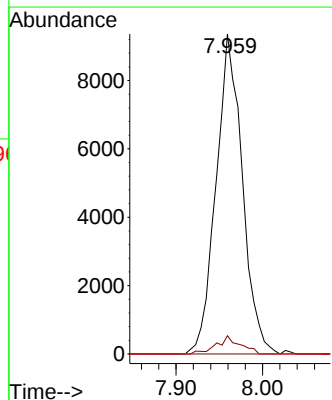
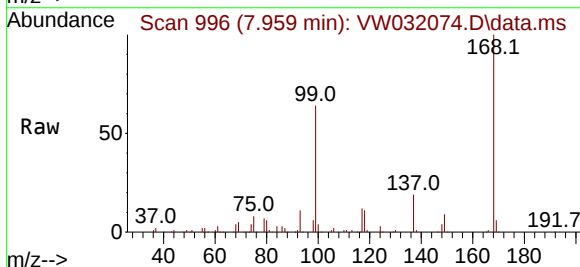
Tgt Ion: 117 Resp: 19706

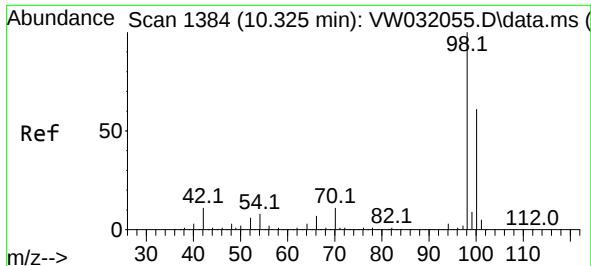
Ion Ratio Lower Upper

117 100

119 5.7 71.4 107.2#

121 0.0 22.3 33.5#

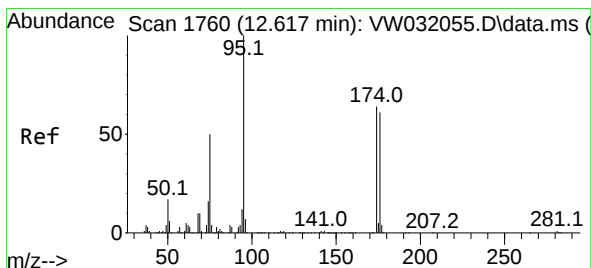
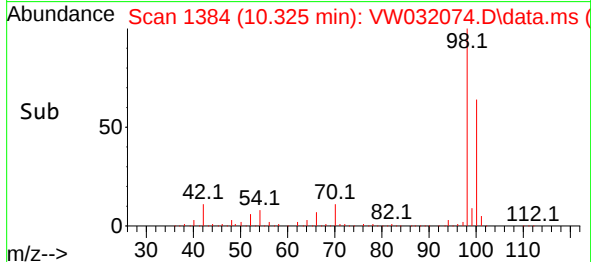
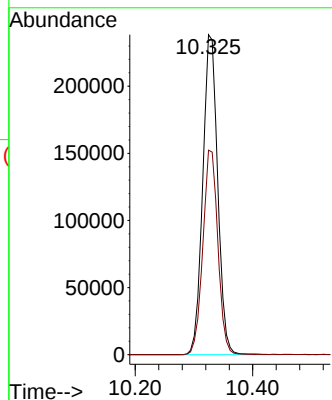
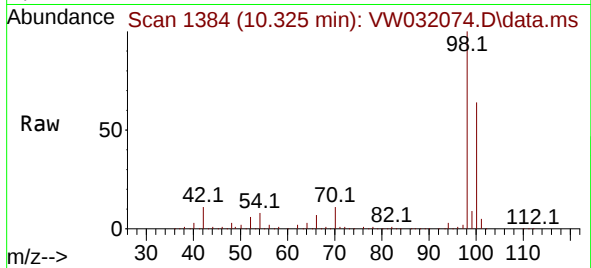




#50
Toluene-d8
Concen: 49.639 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

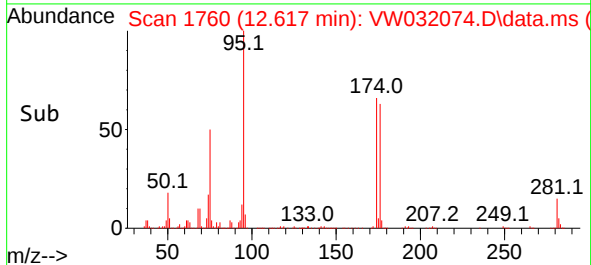
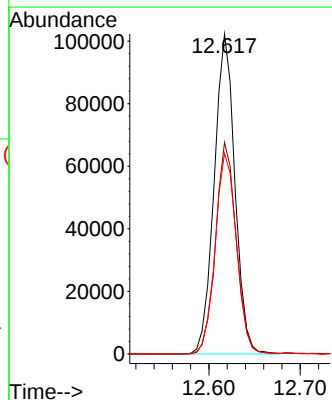
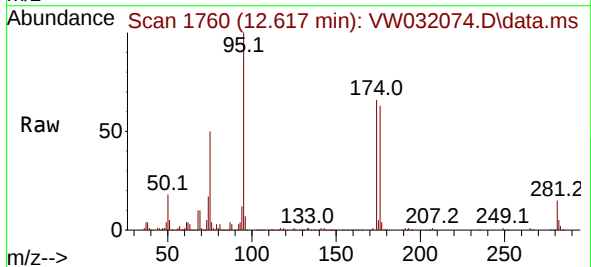
Instrument :
MSVOA_W
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22BP-S

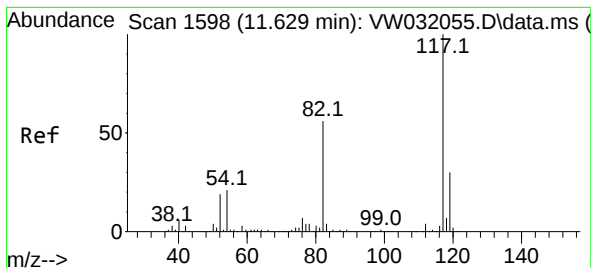
Tgt Ion: 98 Resp: 420096
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.644 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Tgt Ion: 95 Resp: 161066
Ion Ratio Lower Upper
95 100
174 65.8 0.0 129.0
176 64.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

Instrument :

MSVOA_W

ClientSampleId :

22BP-S

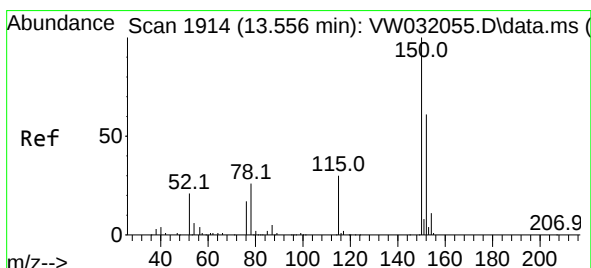
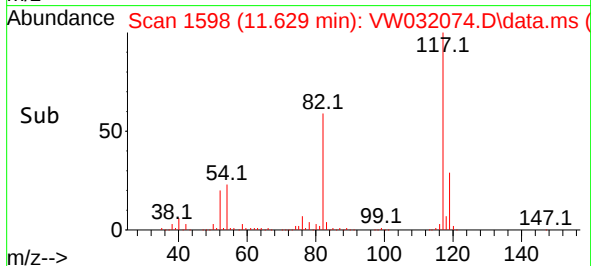
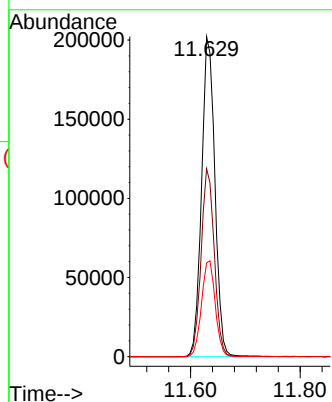
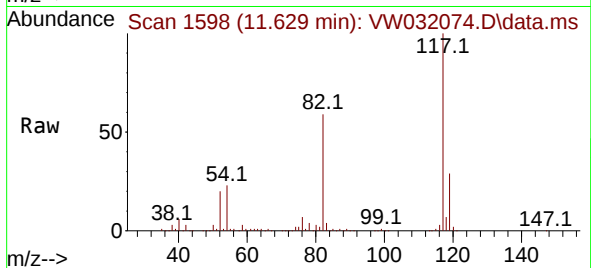
Tgt Ion:117 Resp: 340658

Ion Ratio Lower Upper

117 100

82 58.7 45.0 67.4

119 29.3 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032074.D

Acq: 11 Aug 2025 18:03

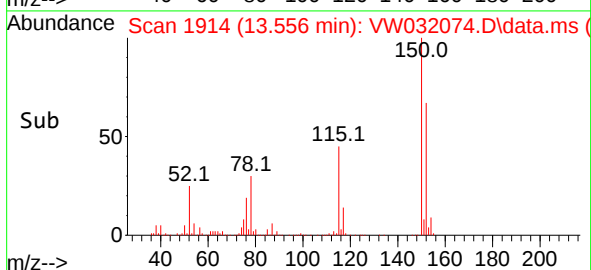
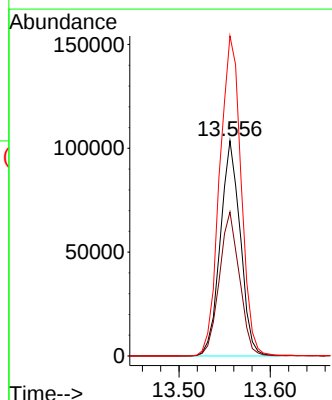
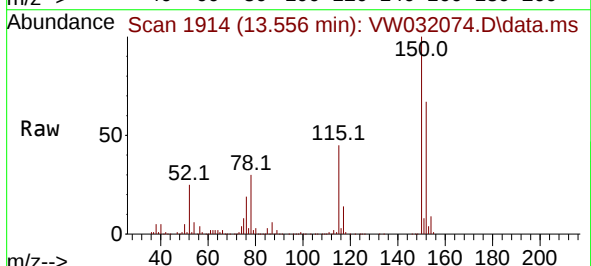
Tgt Ion:152 Resp: 157540

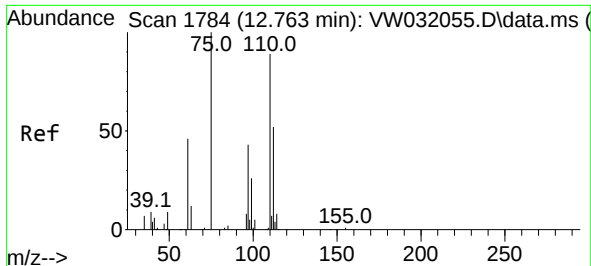
Ion Ratio Lower Upper

152 100

115 67.5 32.6 97.8

150 159.8 0.0 359.4

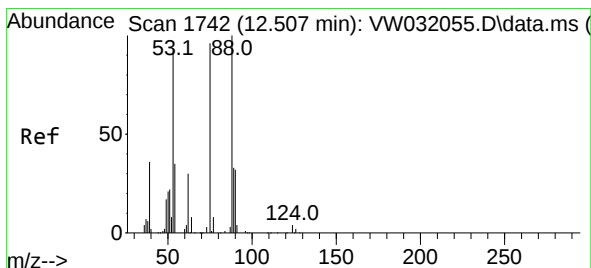
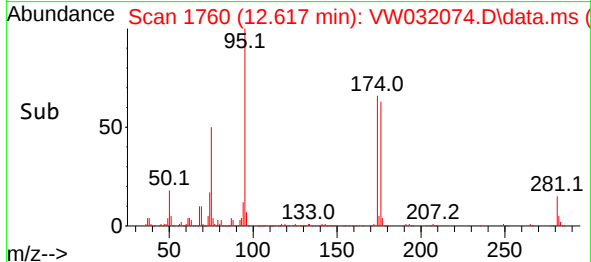
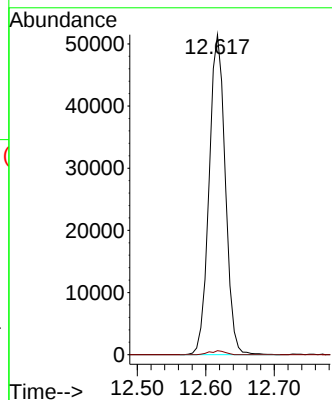
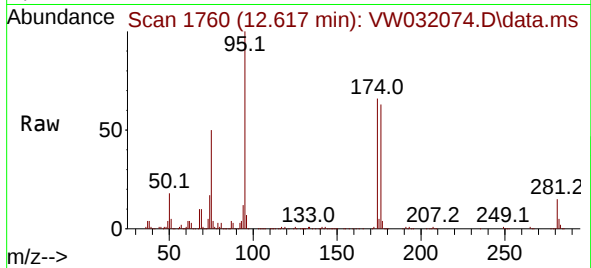




#76
1,2,3-Trichloropropane
Concen: 39.576 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Instrument :
MSVOA_W
ClientSampleId :
22BP-S

Tgt Ion: 75 Resp: 84620
Ion Ratio Lower Upper
75 100
77 1.2 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.457 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032074.D
Acq: 11 Aug 2025 18:03

Tgt Ion: 75 Resp: 84620
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.3 37.3 55.9#

