

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032072.D
 Acq On : 11 Aug 2025 17:18
 Operator : SY/MD
 Sample : Q2819-02
 Misc : 7.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-E

Quant Time: Aug 12 04:28:26 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)

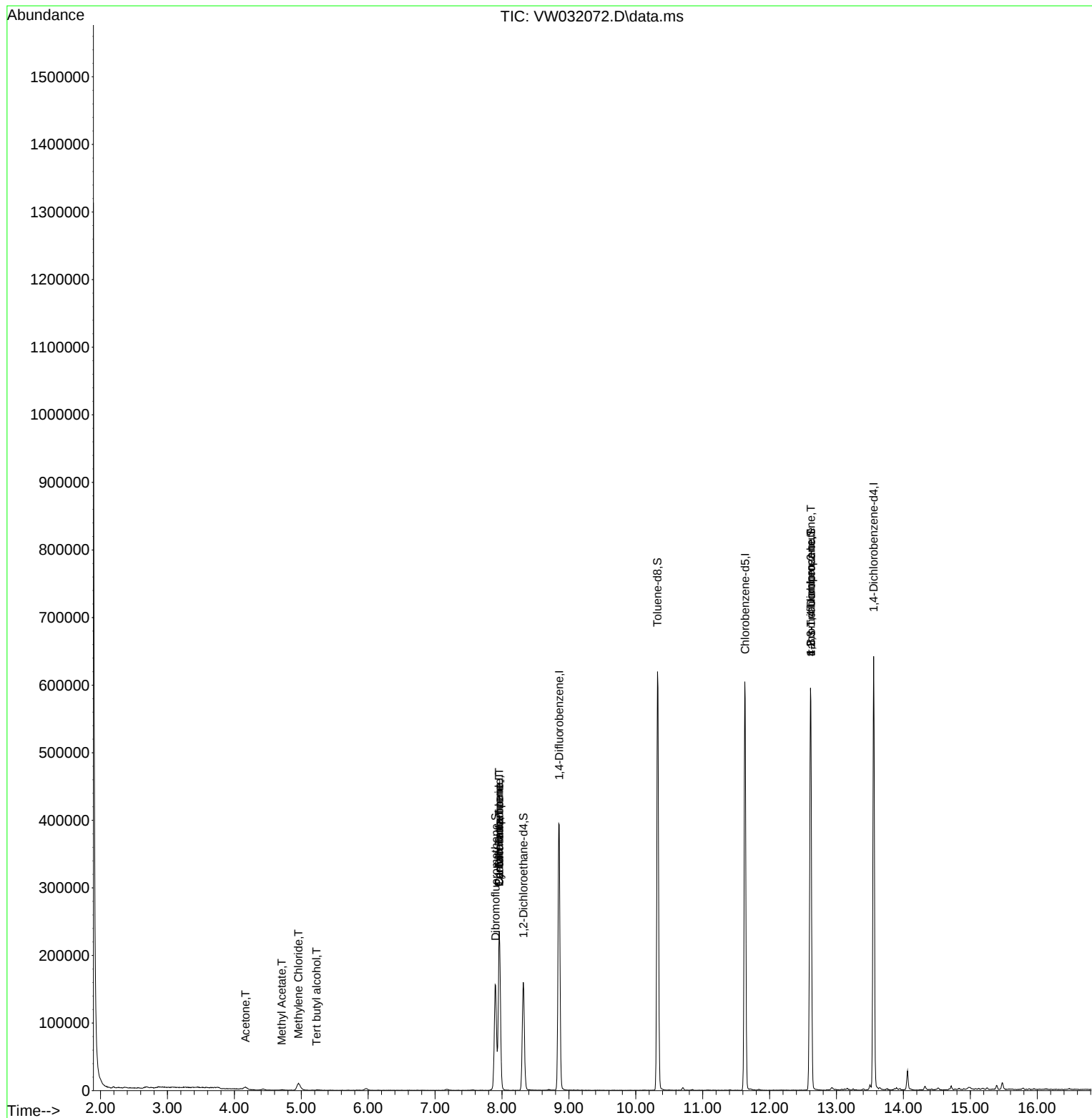
Internal Standards						
1) Pentafluorobenzene	7.959	168	162255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	348088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	335072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133481	56.881	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 113.760%		
35) Dibromofluoromethane	7.904	113	114977	51.128	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.260%		
50) Toluene-d8	10.325	98	420764	50.587	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.180%		
62) 4-Bromofluorobenzene	12.617	95	167444	54.628	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 109.260%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	226	1.487	ug/l #	71
16) Acetone	4.167	43	5391	9.922	ug/l	89
18) Methyl Acetate	4.710	43	1907	1.109	ug/l #	84
20) Methylene Chloride	4.960	84	8931	3.555	ug/l	93
31) Cyclohexane	7.959	56	3936	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	15071	4.754	ug/l #	49
38) Carbon Tetrachloride	7.959	117	19142	6.257	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	89970	40.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	89970	105.144	ug/l #	10

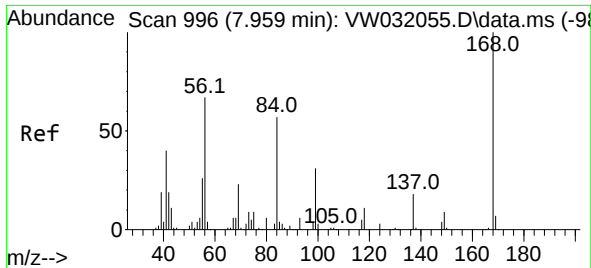
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032072.D
Acq On : 11 Aug 2025 17:18
Operator : SY/MD
Sample : Q2819-02
Misc : 7.28g/5mL/MSVOA_W/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
22BP-E

Quant Time: Aug 12 04:28:26 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

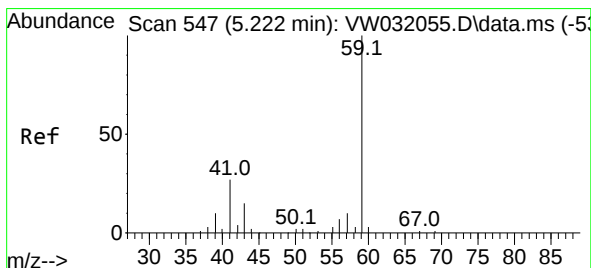
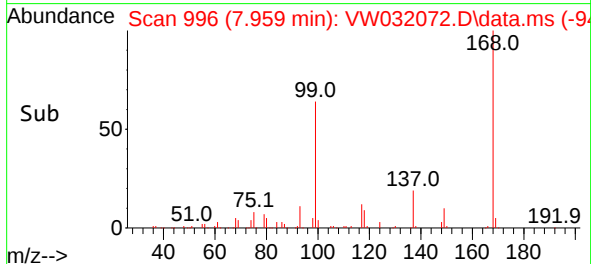
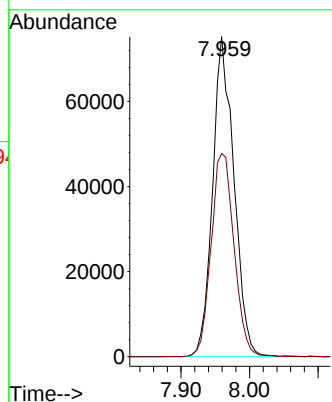
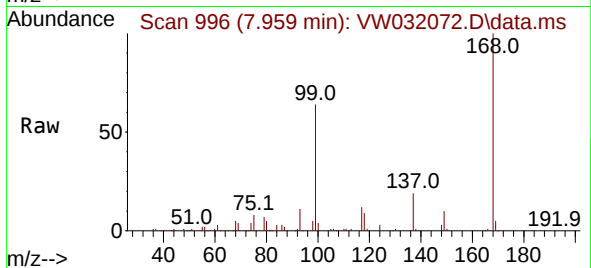




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

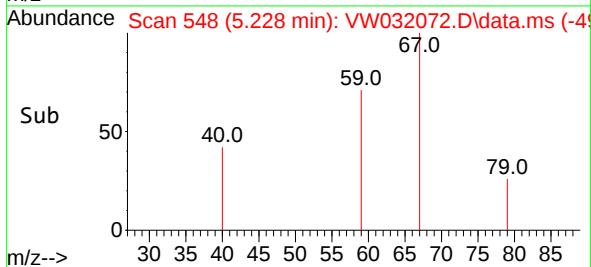
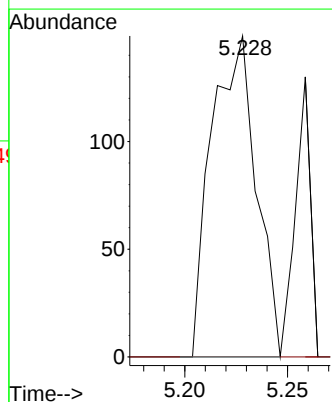
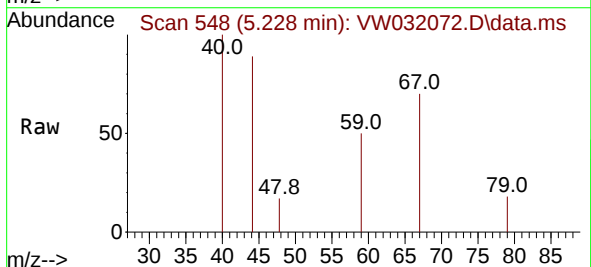
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

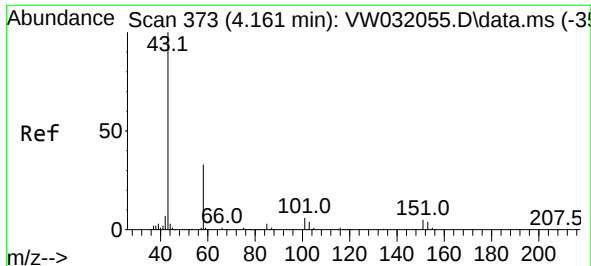
Tgt Ion:168 Resp: 162255
Ion Ratio Lower Upper
168 100
99 63.5 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.487 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

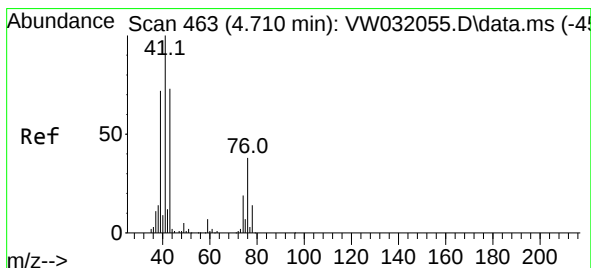
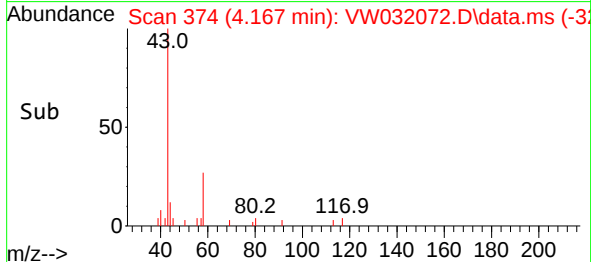
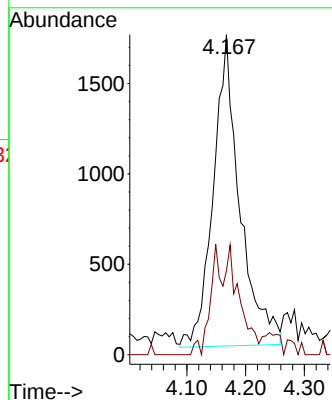
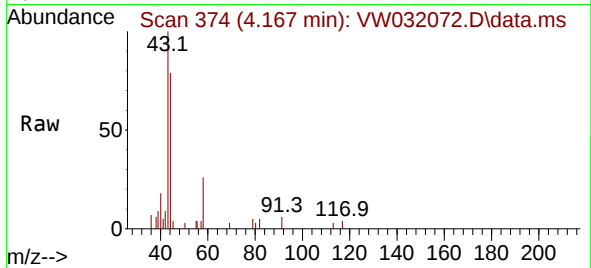




#16
Acetone
Concen: 9.922 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

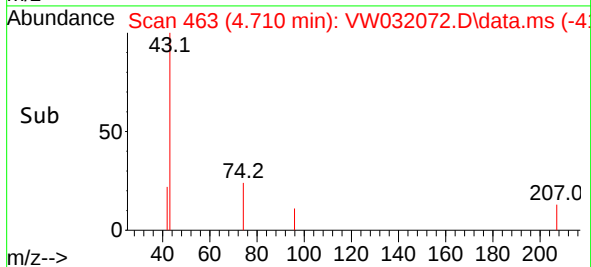
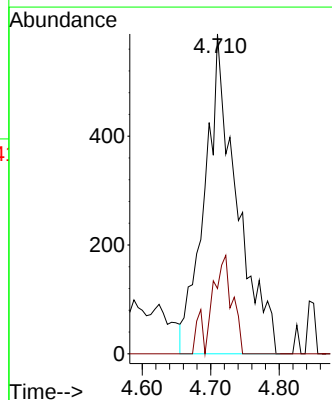
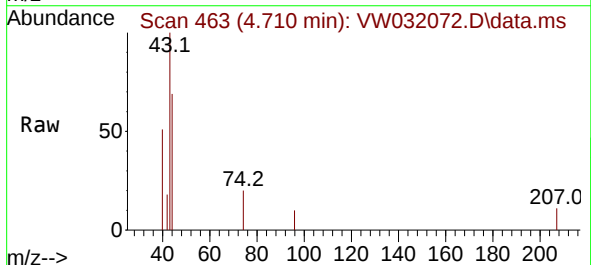
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

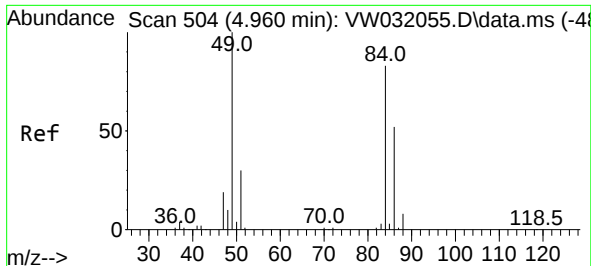
Tgt Ion: 43 Resp: 5391
Ion Ratio Lower Upper
43 100
58 27.1 26.6 39.8



#18
Methyl Acetate
Concen: 1.109 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
74 17.6 20.6 31.0#

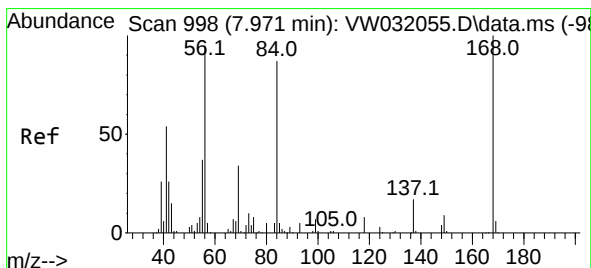
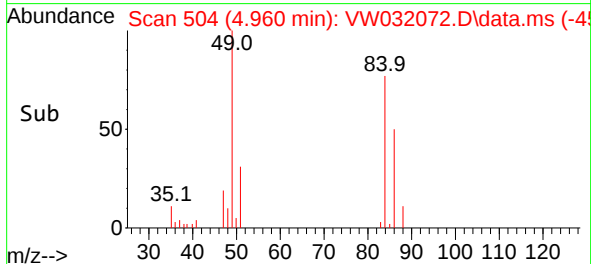
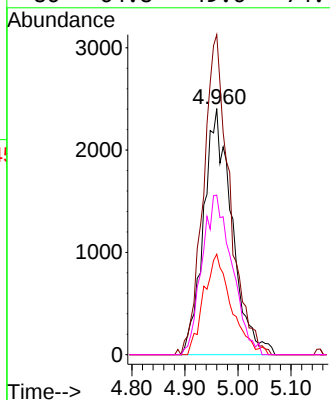
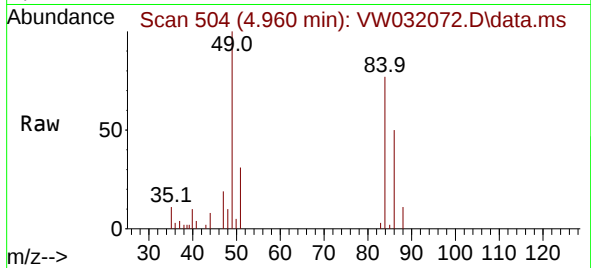




#20
Methylene Chloride
Concen: 3.555 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

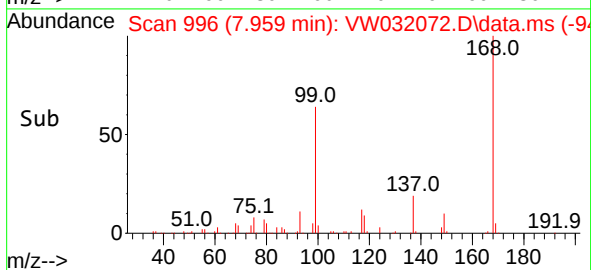
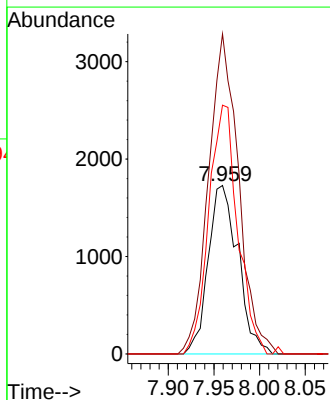
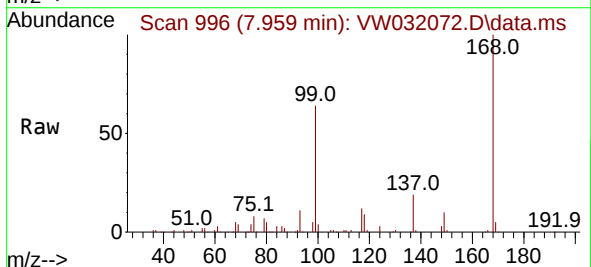
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

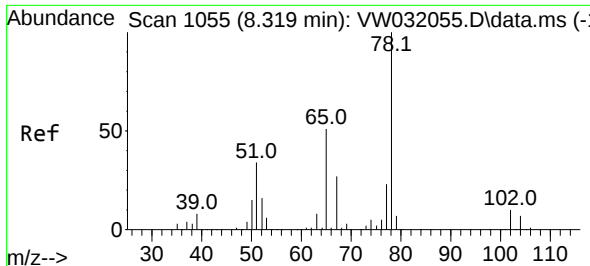
Tgt Ion:	84	Resp:	8931
Ion	Ratio	Lower	Upper
84	100		
49	130.0	95.9	143.9
51	40.8	28.6	43.0
86	64.8	49.6	74.4



#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion:	56	Resp:	3936
Ion	Ratio	Lower	Upper
56	100		
69	189.9	28.6	42.8#
84	147.7	73.0	109.4#

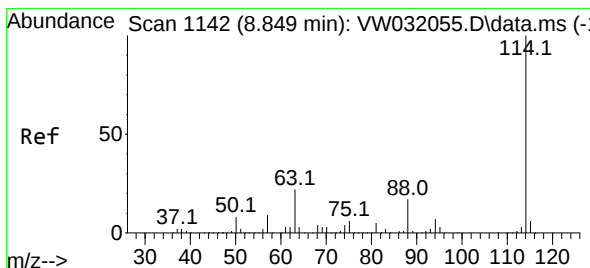
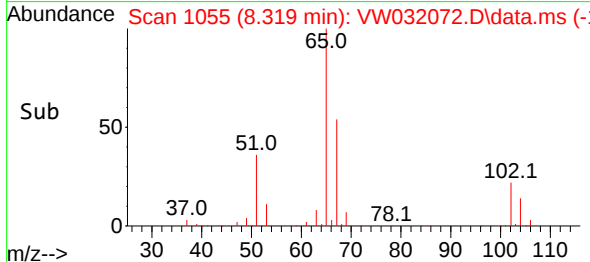
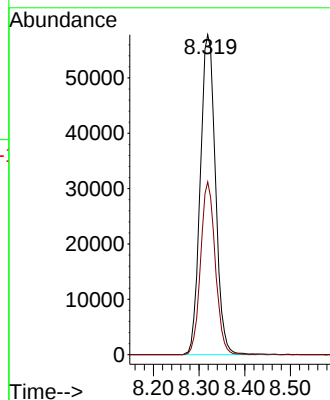
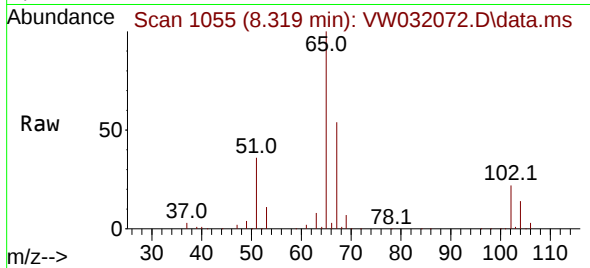




#33
 1,2-Dichloroethane-d4
 Concen: 56.881 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032072.D
 Acq: 11 Aug 2025 17:18

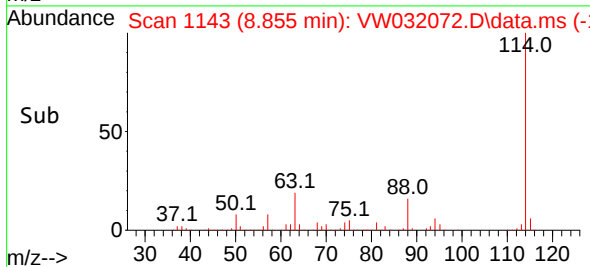
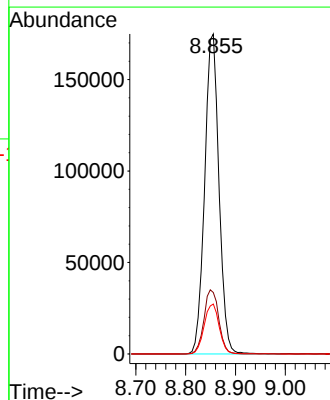
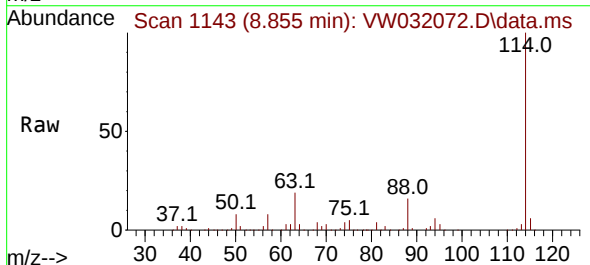
Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-E

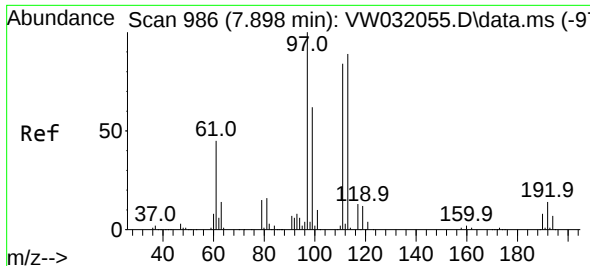
Tgt Ion: 65 Resp: 133481
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032072.D
 Acq: 11 Aug 2025 17:18

Tgt Ion: 114 Resp: 348088
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.0
 88 15.6 0.0 33.8

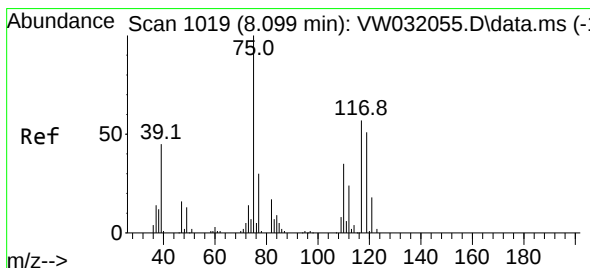
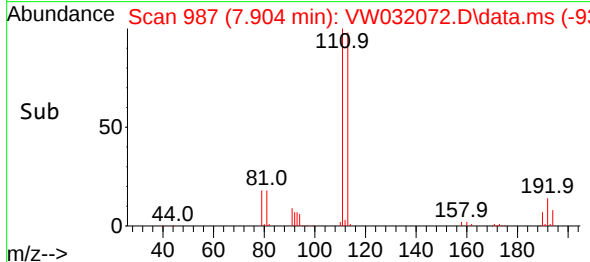
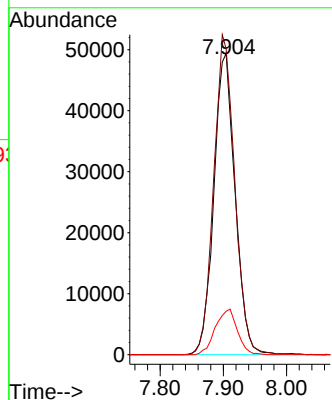
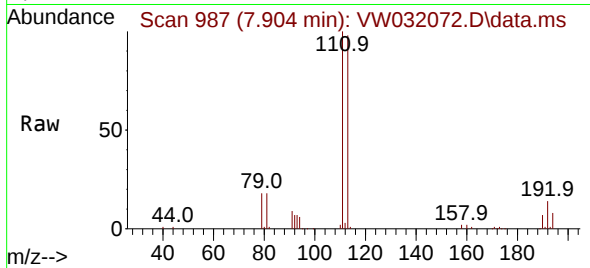




#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

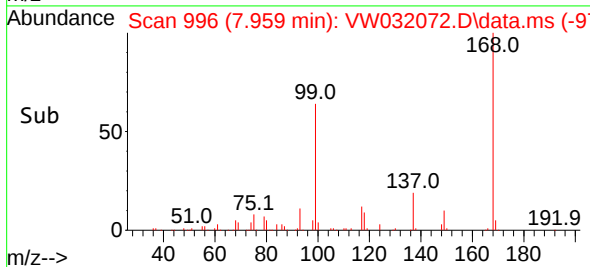
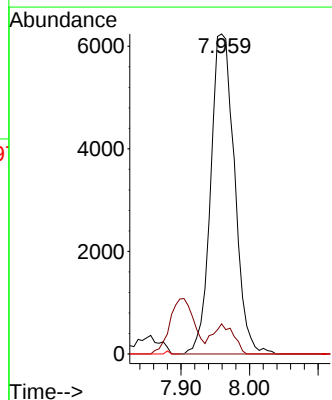
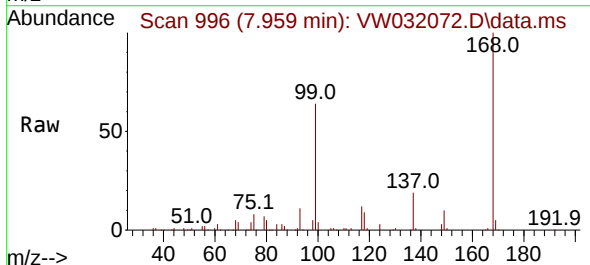
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

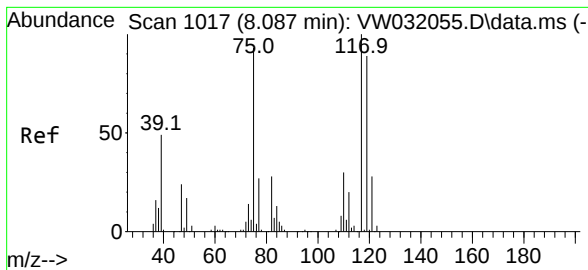
Tgt Ion:113 Resp: 114977
Ion Ratio Lower Upper
113 100
111 105.1 80.1 120.1
192 15.6 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion: 75 Resp: 15071
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.2#
77 0.0 24.7 37.1#

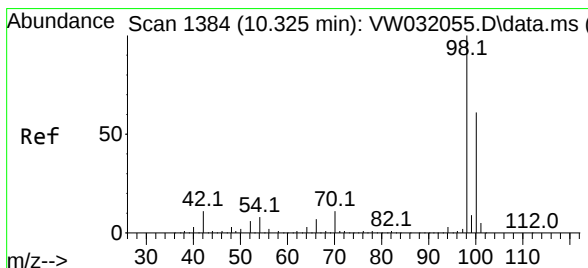
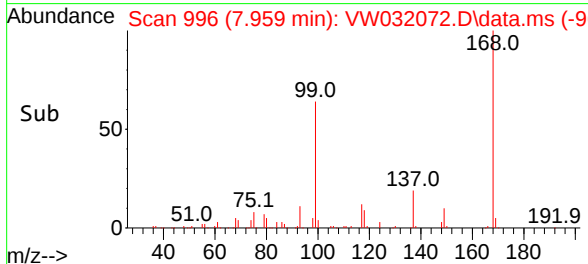
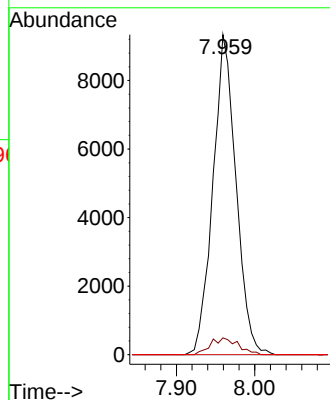
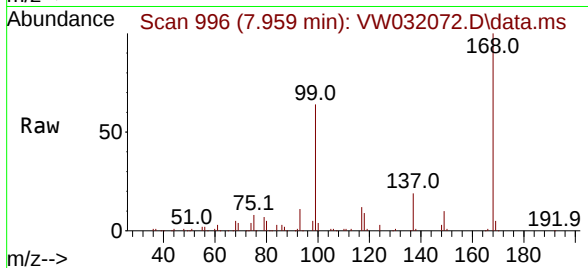




#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

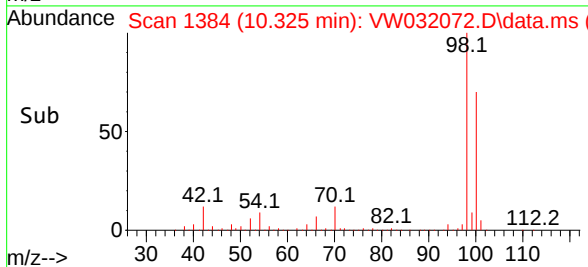
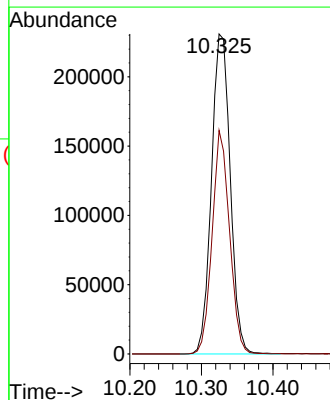
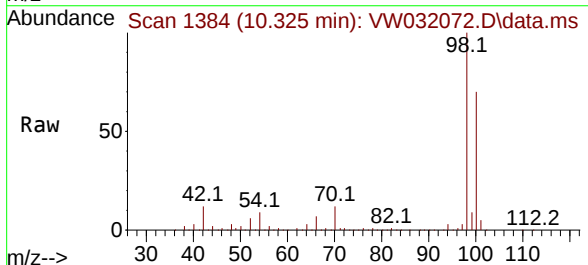
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

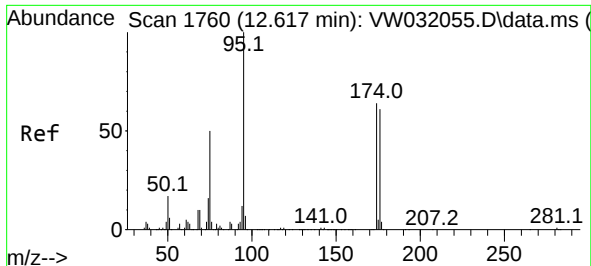
Tgt Ion:117 Resp: 19142
Ion Ratio Lower Upper
117 100
119 5.2 71.4 107.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 50.587 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion: 98 Resp: 420764
Ion Ratio Lower Upper
98 100
100 64.8 51.1 76.7

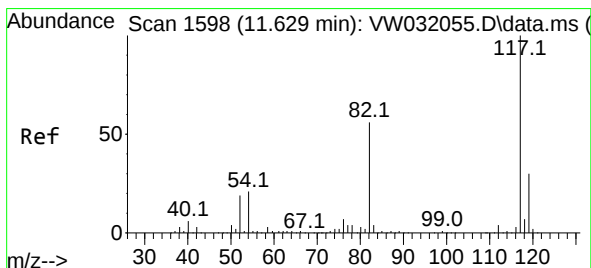
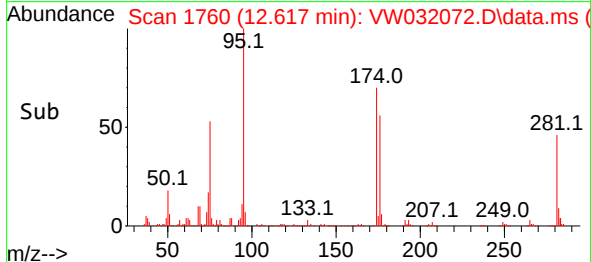
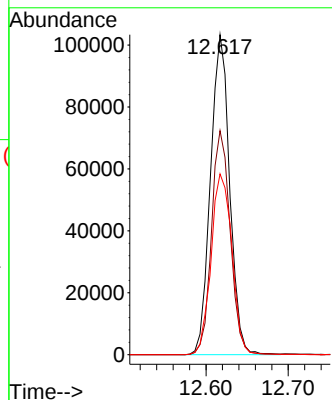
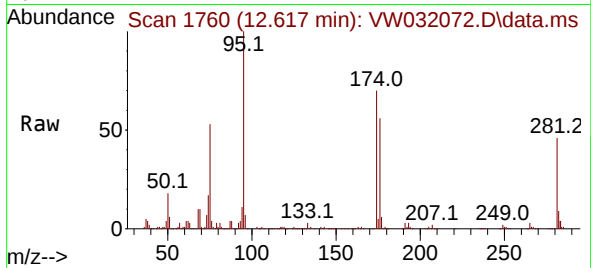




#62
4-Bromofluorobenzene
Concen: 54.628 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

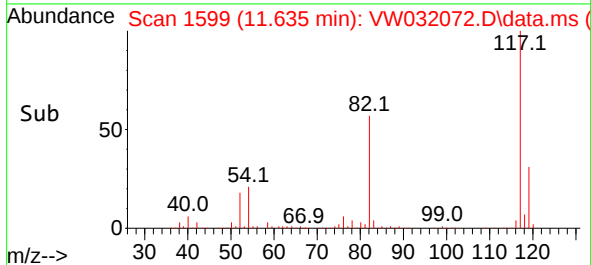
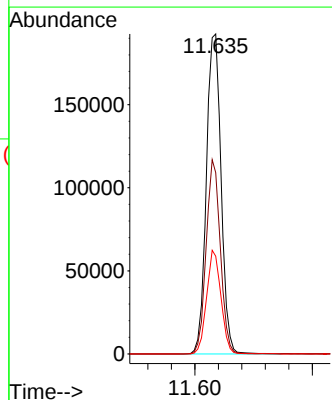
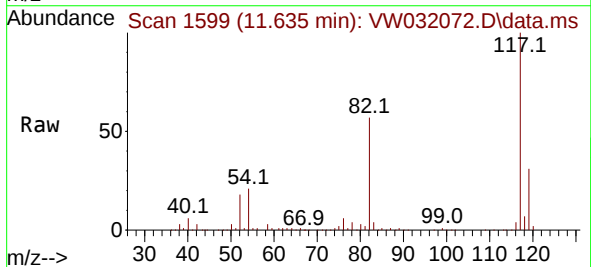
Instrument :
MSVOA_W
ClientSampleId :
22BP-E

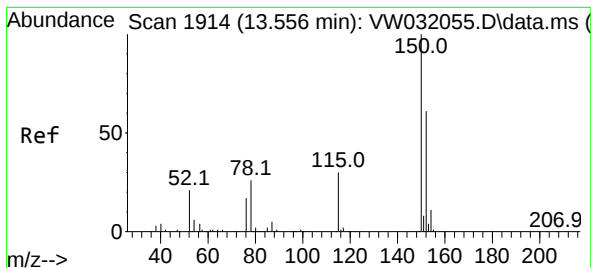
Tgt Ion: 95 Resp: 167444
Ion Ratio Lower Upper
95 100
174 68.5 0.0 129.0
176 61.5 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032072.D
Acq: 11 Aug 2025 17:18

Tgt Ion: 117 Resp: 335072
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 30.6 24.2 36.4

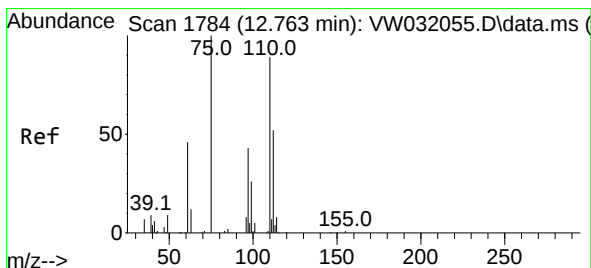
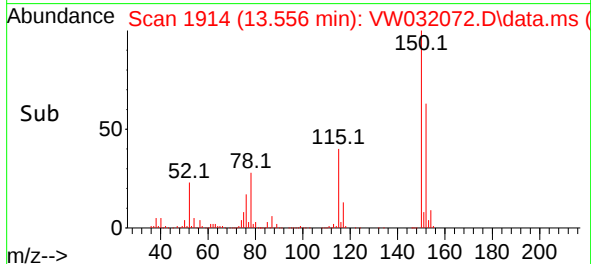
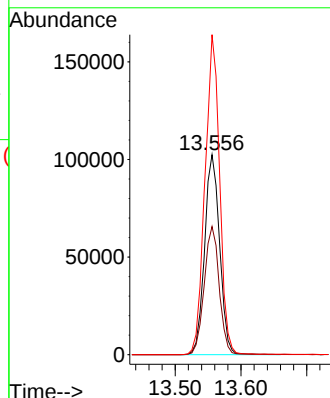
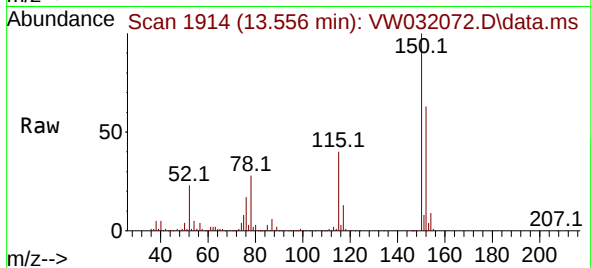




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032072.D
 Acq: 11 Aug 2025 17:18

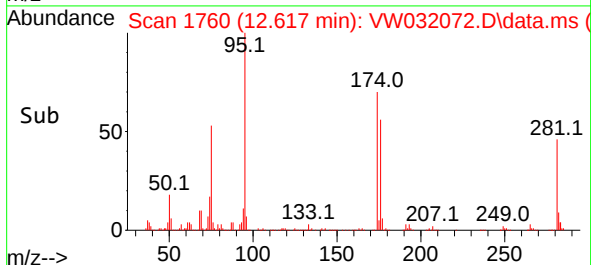
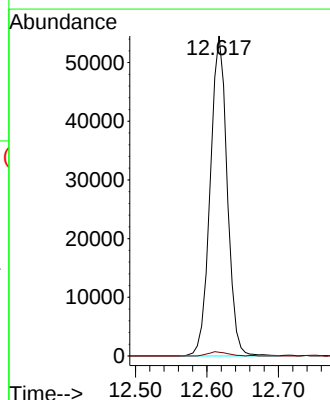
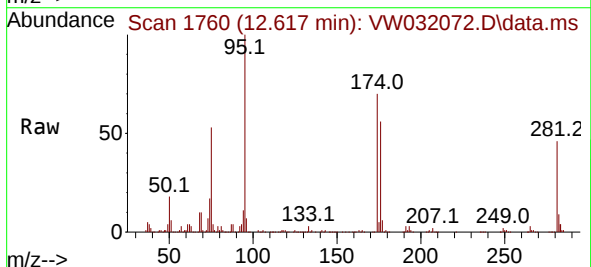
Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-E

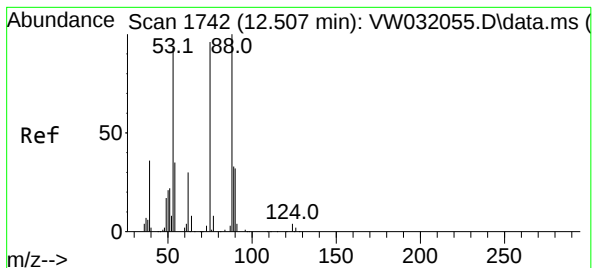
Tgt Ion:152 Resp: 163221
 Ion Ratio Lower Upper
 152 100
 115 64.0 32.6 97.8
 150 155.6 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 40.613 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032072.D
 Acq: 11 Aug 2025 17:18

Tgt Ion: 75 Resp: 89970
 Ion Ratio Lower Upper
 75 100
 77 1.5 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.144 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032072.D
 Acq: 11 Aug 2025 17:18

Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-E

Tgt Ion: 75 Resp: 89970
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 1.1 37.3 55.9#

