

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032071.D
 Acq On : 11 Aug 2025 16:56
 Operator : SY/MD
 Sample : Q2819-01
 Misc : 8.52g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-N

Quant Time: Aug 12 04:28:04 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)

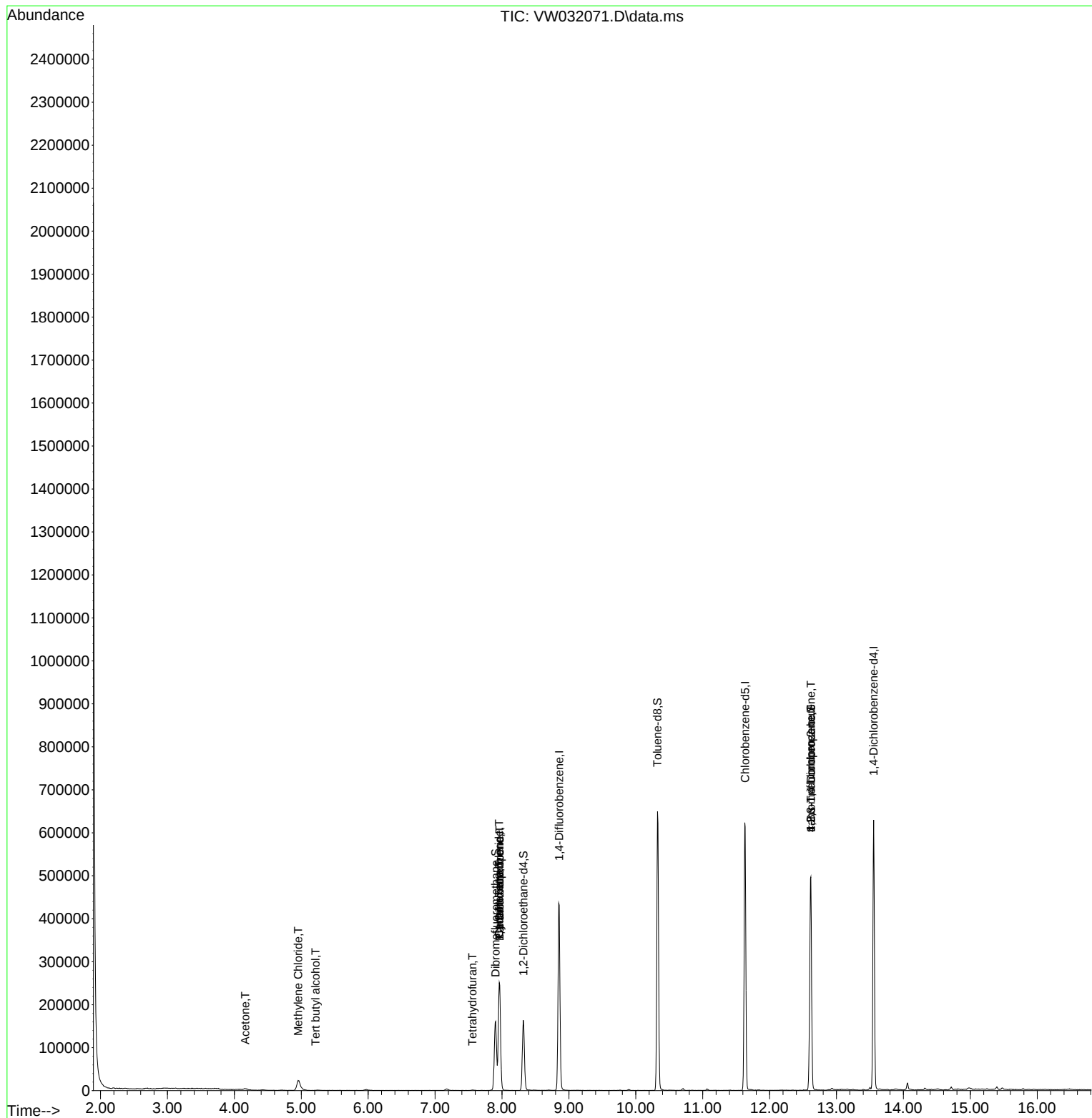
Internal Standards						
1) Pentafluorobenzene	7.965	168	179118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	369689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	349416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134686	51.991	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 103.980%		
35) Dibromofluoromethane	7.904	113	122452	51.271	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.540%		
50) Toluene-d8	10.325	98	446094	50.499	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.000%		
62) 4-Bromofluorobenzene	12.617	95	157399	48.351	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	581	3.464	ug/l #	71
16) Acetone	4.161	43	4561	7.604	ug/l	90
20) Methylene Chloride	4.954	84	22396	8.076	ug/l	97
29) Tetrahydrofuran	7.557	42	691	1.229	ug/l #	85
31) Cyclohexane	7.959	56	4423	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	15826	4.700	ug/l #	51
38) Carbon Tetrachloride	7.959	117	19981	6.149	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	83337	40.937	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	83337	105.982	ug/l #	9

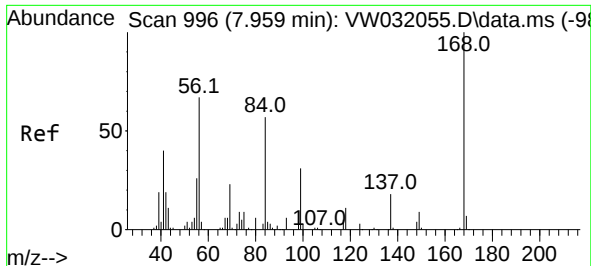
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

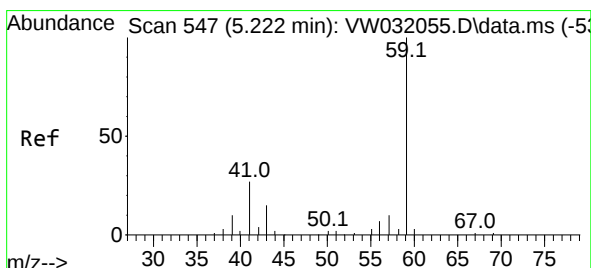
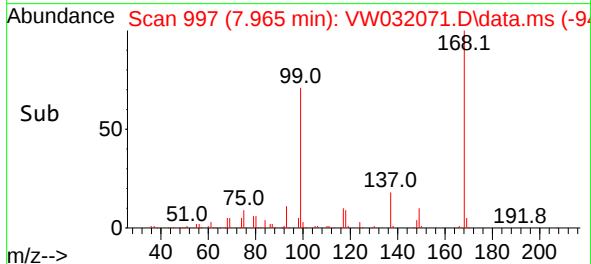
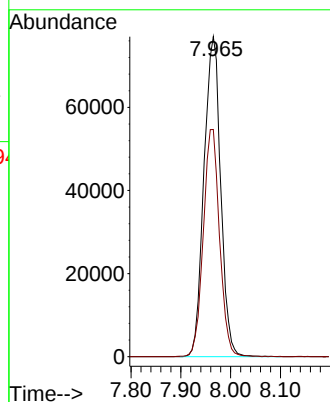
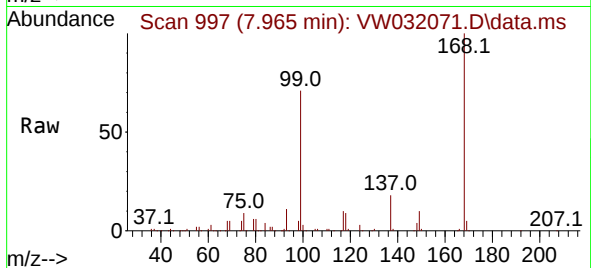




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

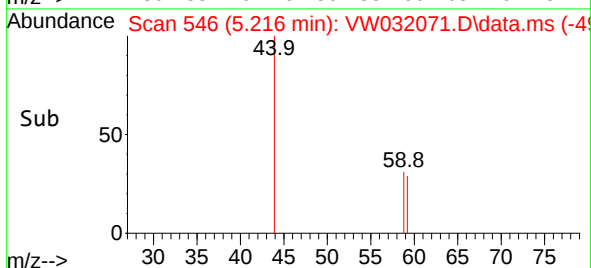
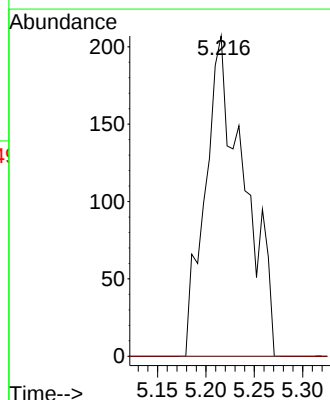
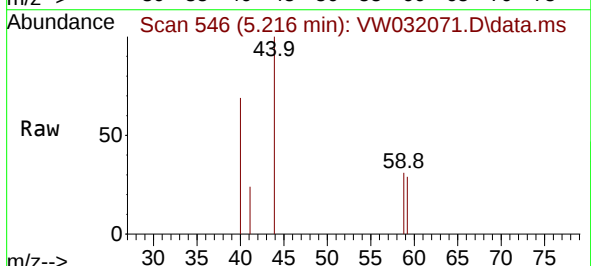
Instrument :
MSVOA_W
ClientSampleId :
22BP-N

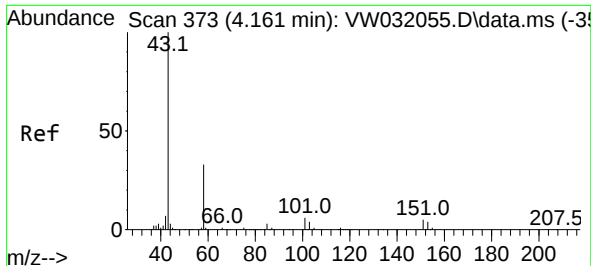
Tgt Ion:168 Resp: 179118
Ion Ratio Lower Upper
168 100
99 70.9 56.0 84.0



#11
Tert butyl alcohol
Concen: 3.464 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

Tgt Ion: 59 Resp: 581
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

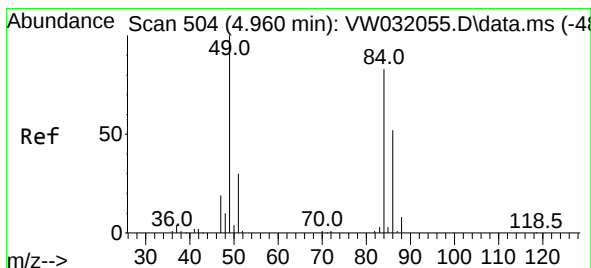
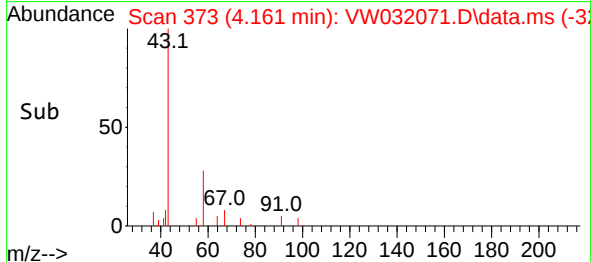
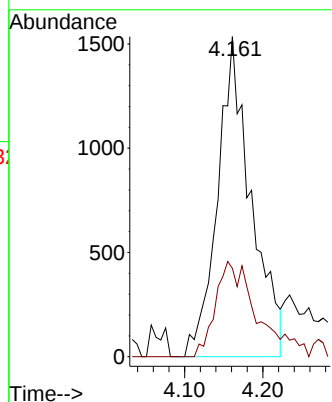
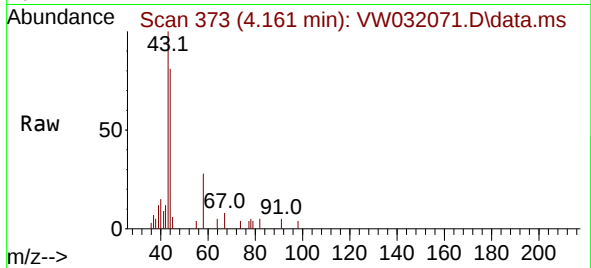




#16
 Acetone
 Concen: 7.604 ug/l
 RT: 4.161 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

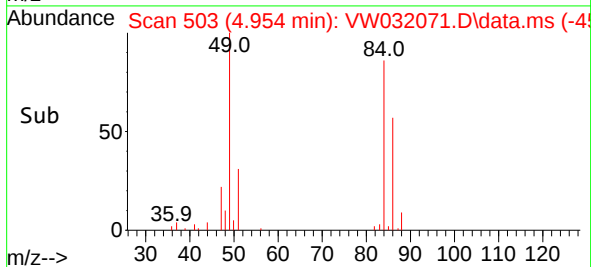
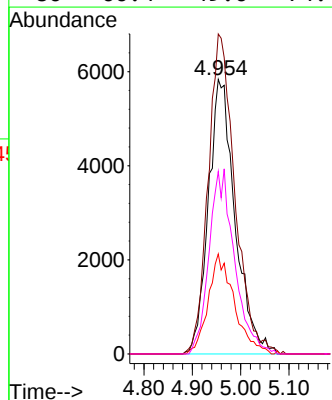
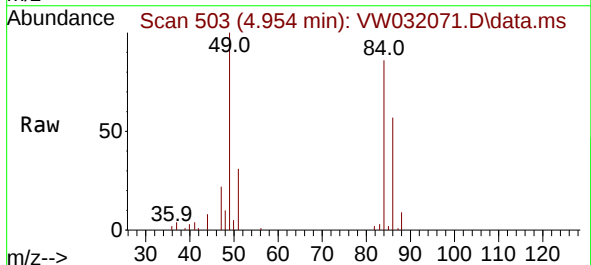
Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-N

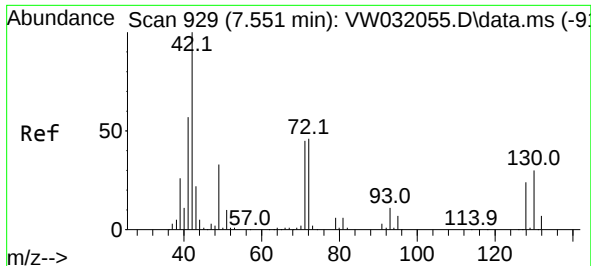
Tgt Ion: 43 Resp: 4561
 Ion Ratio Lower Upper
 43 100
 58 27.6 26.6 39.8



#20
 Methylene Chloride
 Concen: 8.076 ug/l
 RT: 4.954 min Scan# 503
 Delta R.T. -0.006 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

Tgt Ion: 84 Resp: 22396
 Ion Ratio Lower Upper
 84 100
 49 116.6 95.9 143.9
 51 36.4 28.6 43.0
 86 66.4 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.229 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032071.D

Acq: 11 Aug 2025 16:56

Instrument :

MSVOA_W

ClientSampleId :

22BP-N

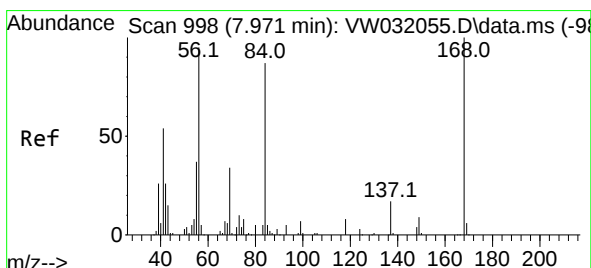
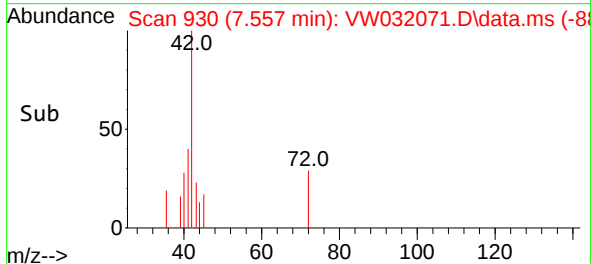
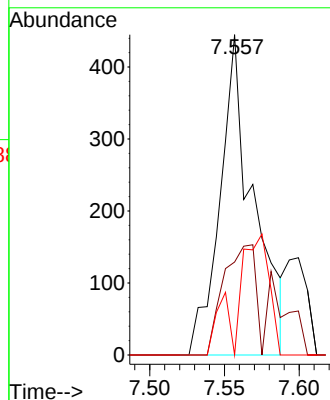
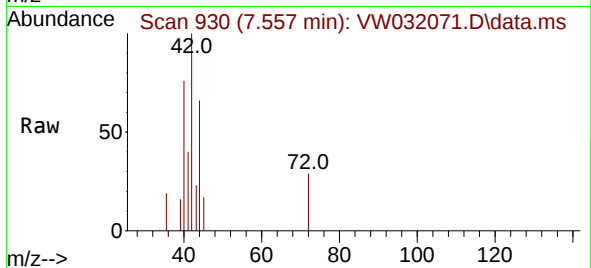
Tgt Ion: 42 Resp: 691

Ion Ratio Lower Upper

42 100

72 32.7 36.6 55.0#

71 36.9 34.7 52.1



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032071.D

Acq: 11 Aug 2025 16:56

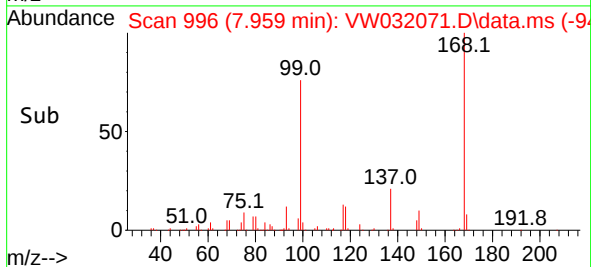
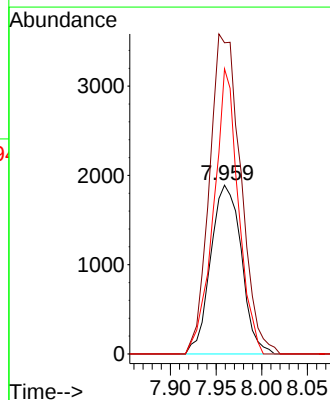
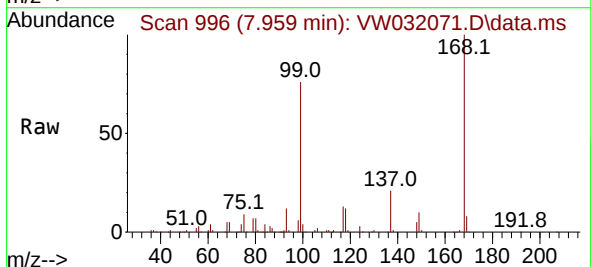
Tgt Ion: 56 Resp: 4423

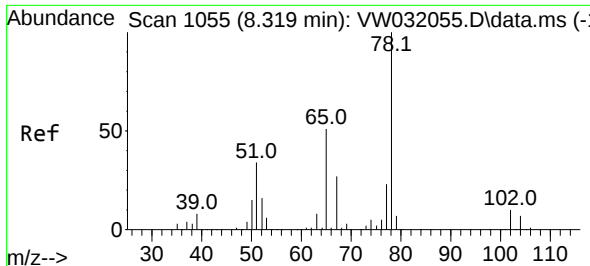
Ion Ratio Lower Upper

56 100

69 184.3 28.6 42.8#

84 168.9 73.0 109.4#

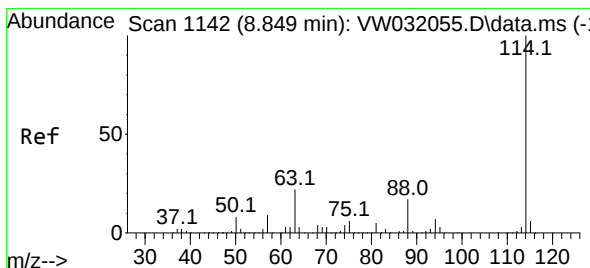
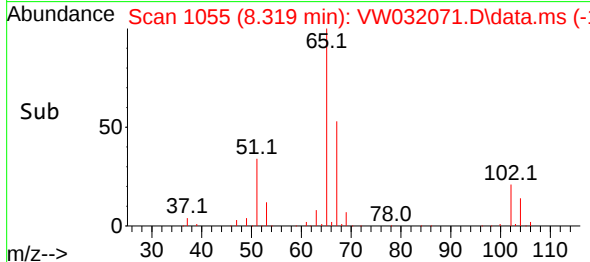
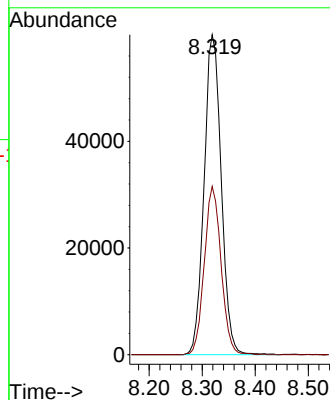
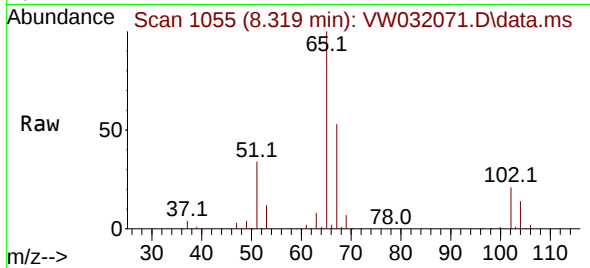




#33
 1,2-Dichloroethane-d4
 Concen: 51.991 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

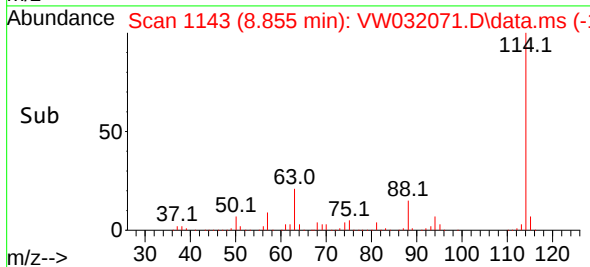
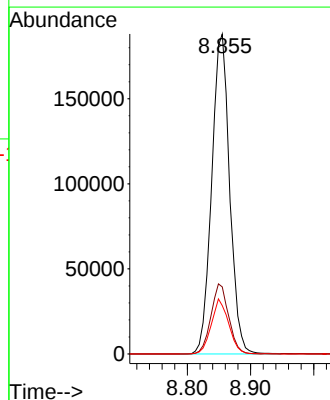
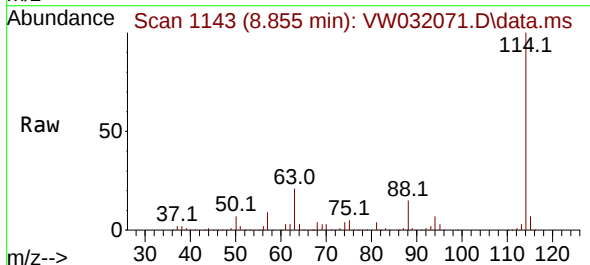
Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-N

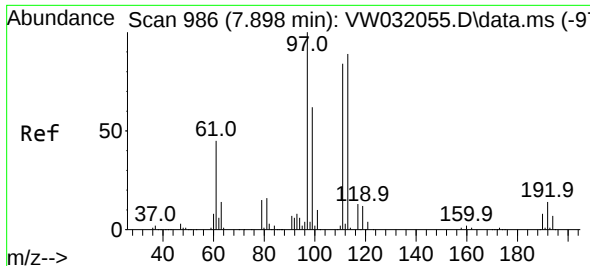
Tgt Ion: 65 Resp: 134686
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

Tgt Ion: 114 Resp: 369689
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.0
 88 15.1 0.0 33.8

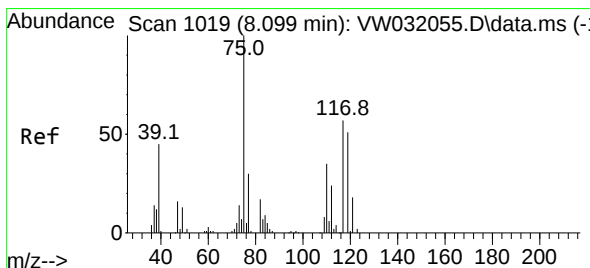
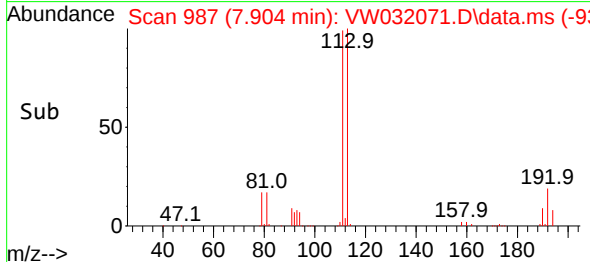
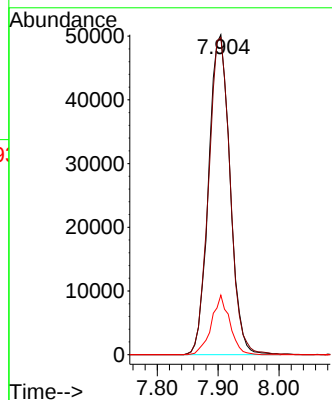
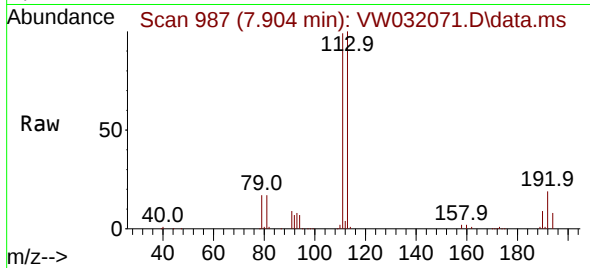




#35
Dibromofluoromethane
Concen: 51.271 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

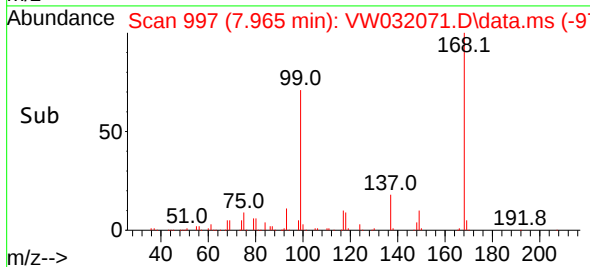
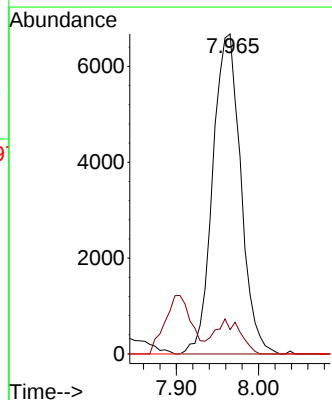
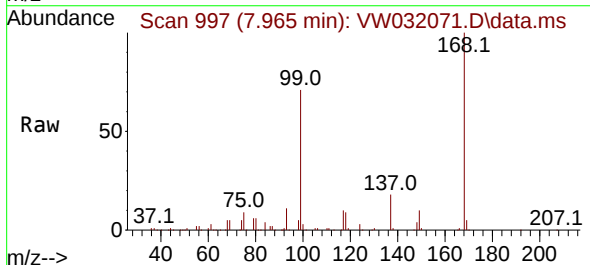
Instrument :
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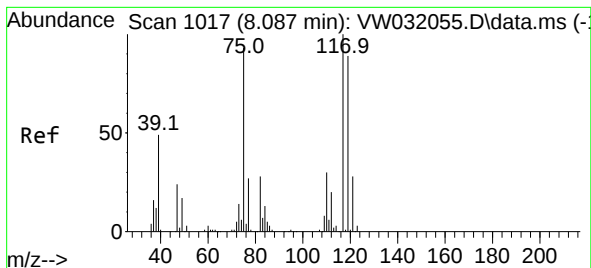
Tgt Ion:113 Resp: 122452
Ion Ratio Lower Upper
113 100
111 99.7 80.1 120.1
192 16.0 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

Tgt Ion: 75 Resp: 15826
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.2#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.149 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032071.D

Acq: 11 Aug 2025 16:56

Instrument :

MSVOA_W

ClientSampleId :

22BP-N

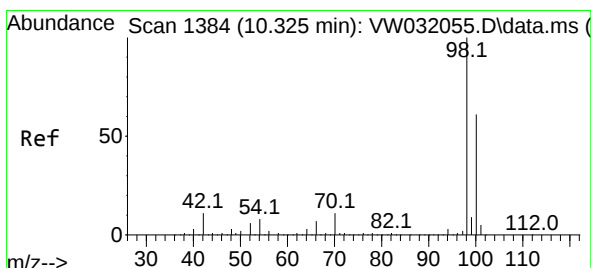
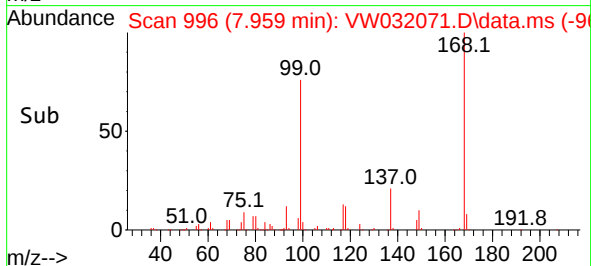
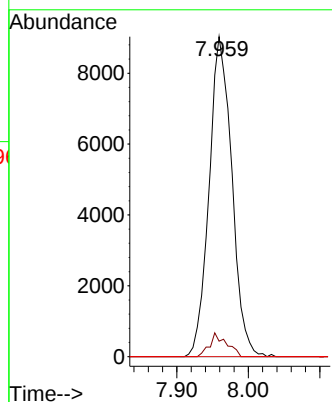
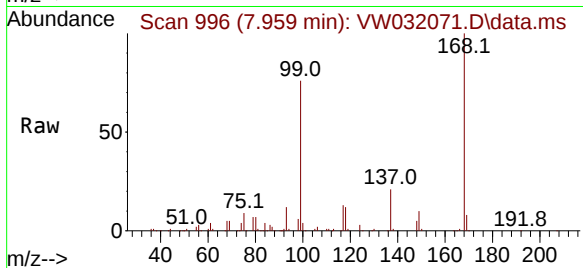
Tgt Ion:117 Resp: 19981

Ion Ratio Lower Upper

117 100

119 4.8 71.4 107.2#

121 0.0 22.3 33.5#



#50

Toluene-d8

Concen: 50.499 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032071.D

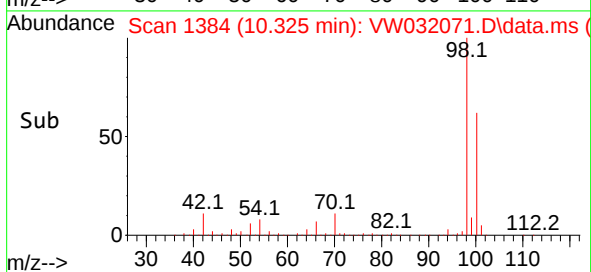
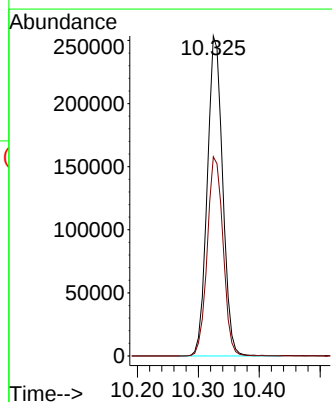
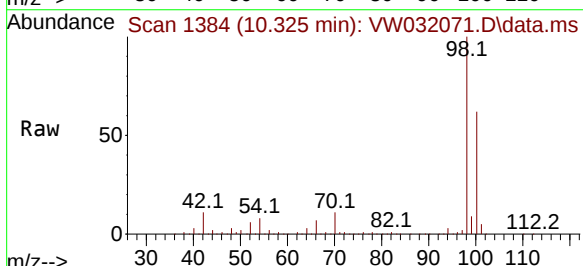
Acq: 11 Aug 2025 16:56

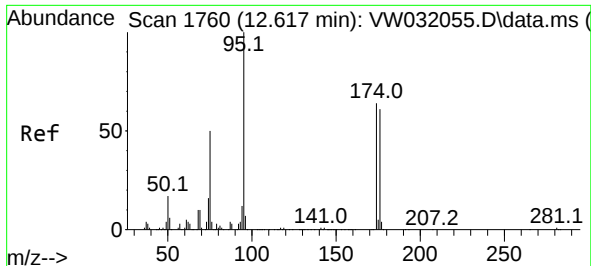
Tgt Ion: 98 Resp: 446094

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7

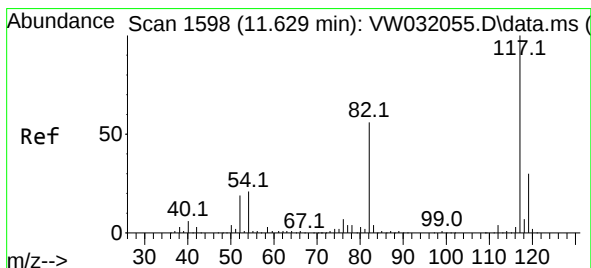
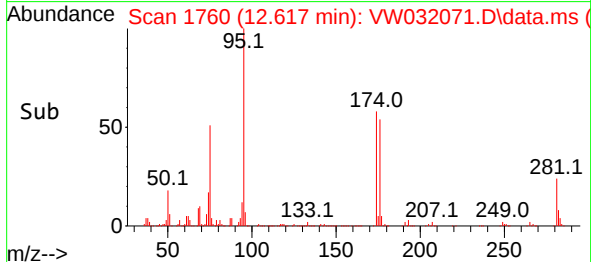
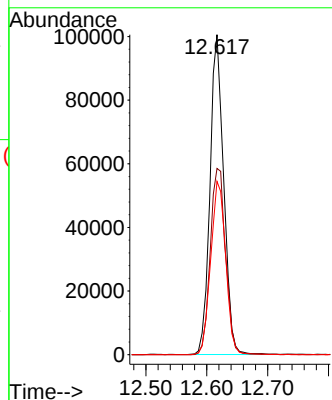
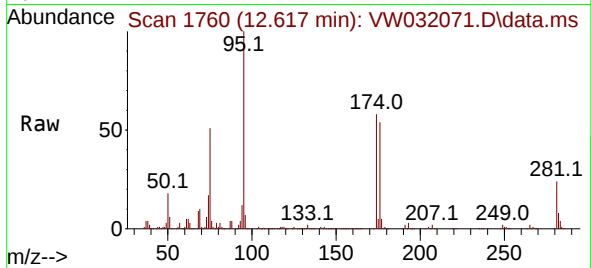




#62
4-Bromofluorobenzene
Concen: 48.351 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

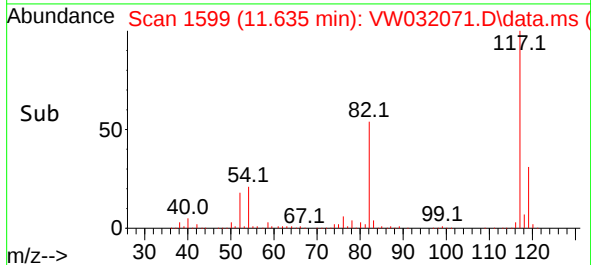
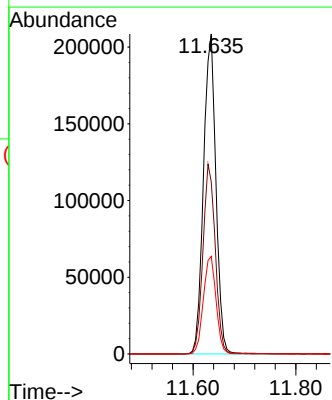
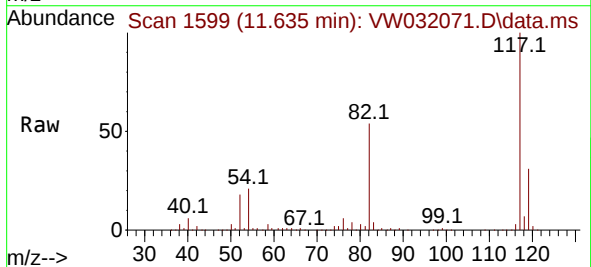
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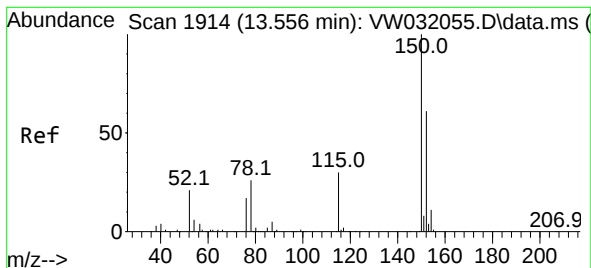
Tgt Ion: 95 Resp: 157399
Ion Ratio Lower Upper
95 100
174 65.4 0.0 129.0
176 59.3 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032071.D
Acq: 11 Aug 2025 16:56

Tgt Ion: 117 Resp: 349416
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 30.5 24.2 36.4

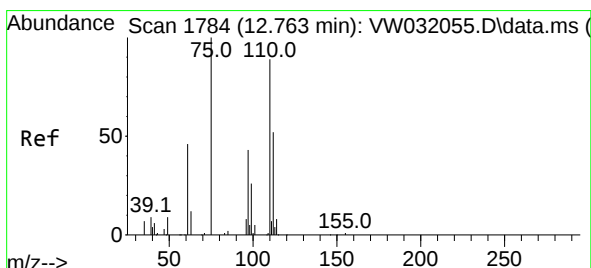
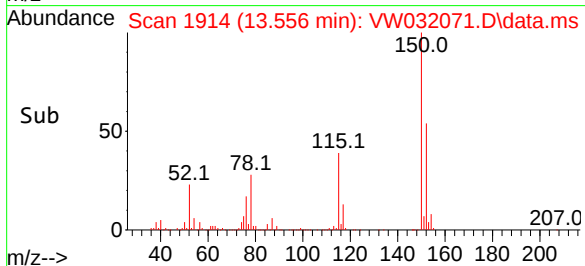
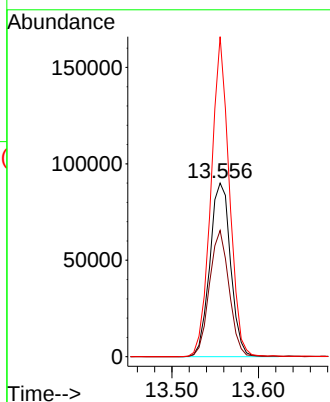
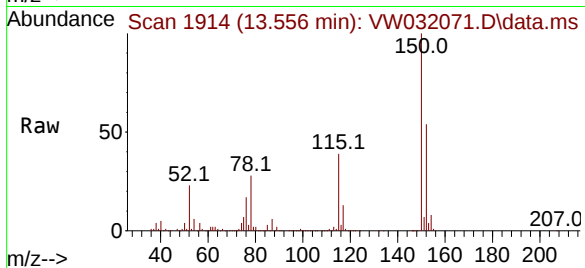




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

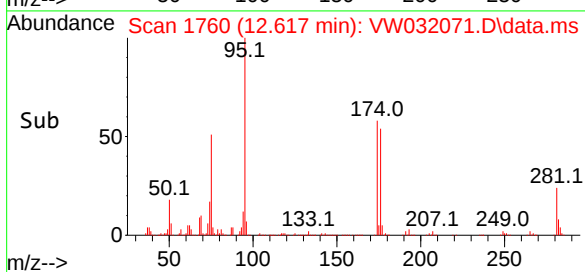
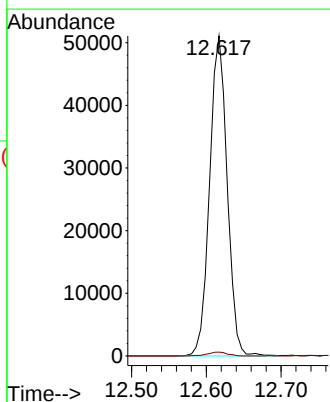
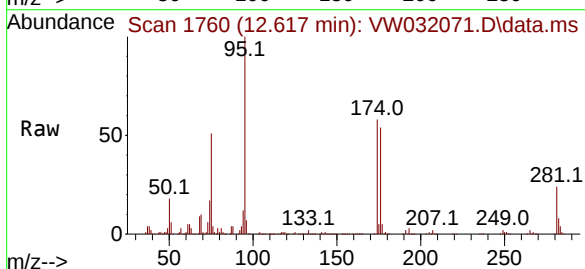
Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-N

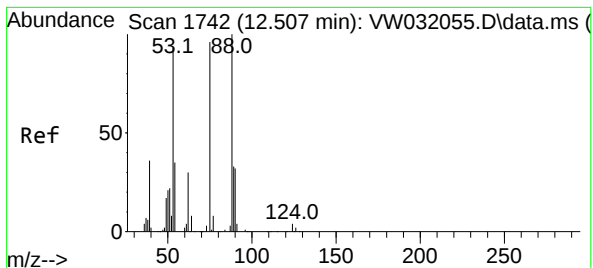
Tgt Ion:152 Resp: 149992
 Ion Ratio Lower Upper
 152 100
 115 68.9 32.6 97.8
 150 162.5 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 40.937 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

Tgt Ion: 75 Resp: 83337
 Ion Ratio Lower Upper
 75 100
 77 1.4 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.982 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032071.D
 Acq: 11 Aug 2025 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 22BP-N

Tgt Ion: 75 Resp: 83337
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.6 37.3 55.9#

