

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031984.D
 Acq On : 01 Aug 2025 14:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 01 23:13:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

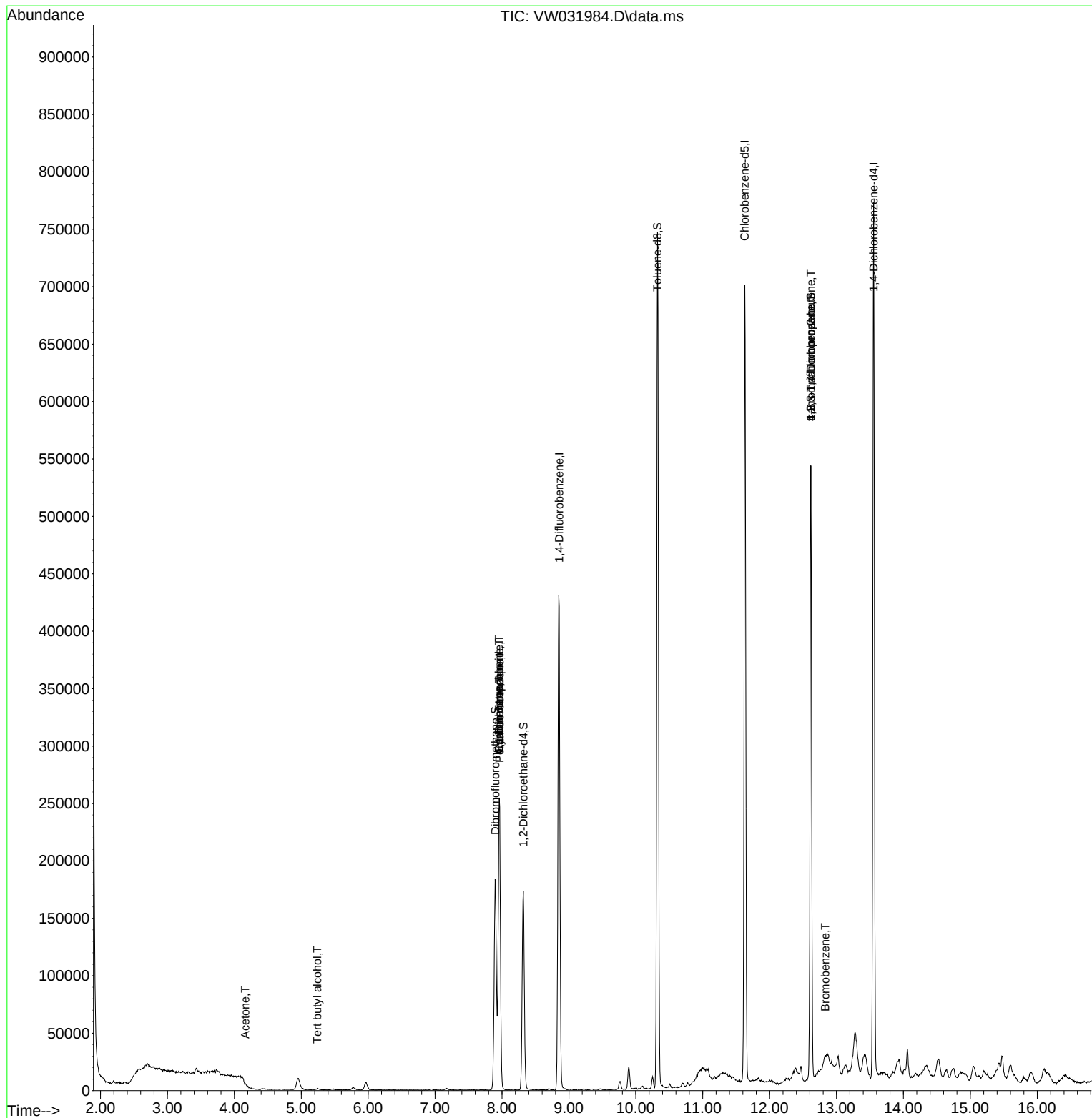
Internal Standards						
1) Pentafluorobenzene	7.965	168	175270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	370738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	373448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143831	54.247	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.500%		
35) Dibromofluoromethane	7.898	113	134709	53.473	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 106.940%		
50) Toluene-d8	10.325	98	494219	51.835	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 103.680%		
62) 4-Bromofluorobenzene	12.617	95	192752	52.649	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 105.300%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.240	59	456	2.926	ug/l	97
13) Acrolein	3.935	56	83	Below Cal	#	69
16) Acetone	4.161	43	3691	5.867	ug/l	95
20) Methylene Chloride	4.954	84	8918	Below Cal		85
31) Cyclohexane	7.959	56	4179	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16722	4.322	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20114	5.417	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	97368	37.399	ug/l #	100
77) Bromobenzene	12.830	156	15344	4.334	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	97368	86.343	ug/l #	8

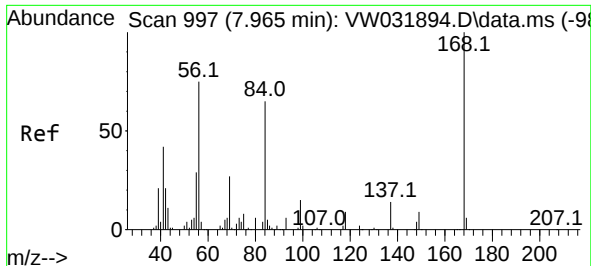
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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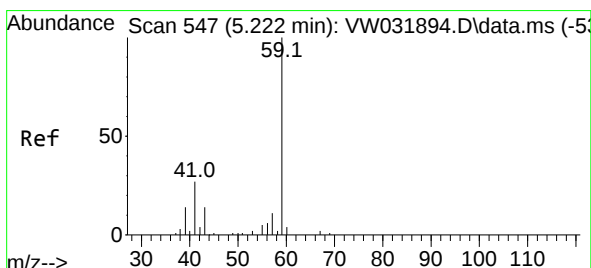
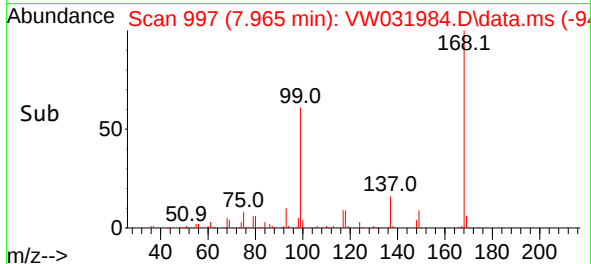
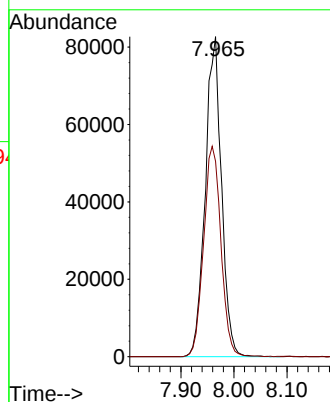
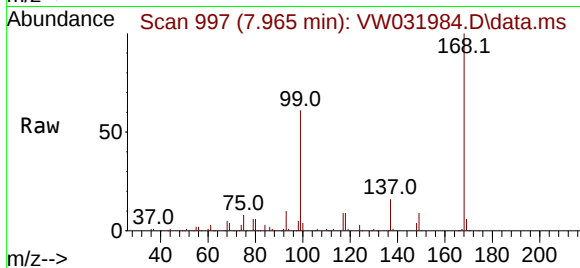




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 01 Aug 2025 14:35

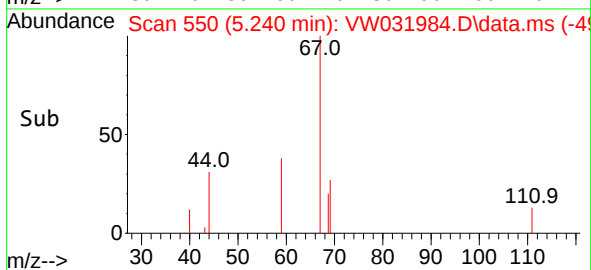
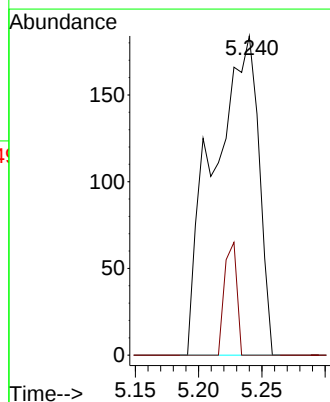
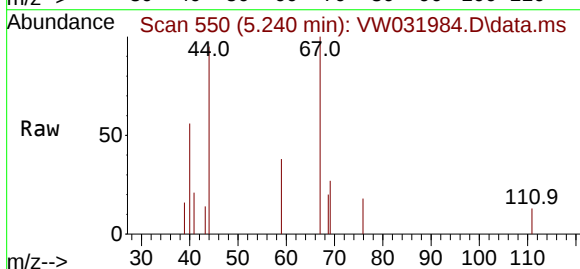
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MSVOA_W
ClientSampleId :
VIBLK

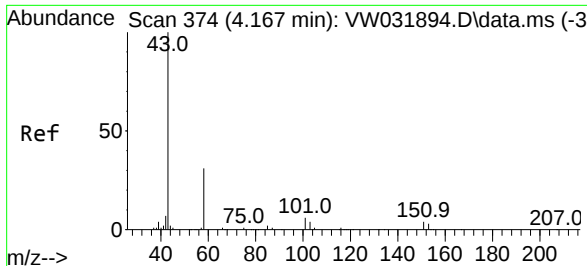
Tgt Ion:168 Resp: 175270
Ion Ratio Lower Upper
168 100
99 61.1 48.2 72.2



#11
Tert butyl alcohol
Concen: 2.926 ug/l
RT: 5.240 min Scan# 550
Delta R.T. 0.018 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 59 Resp: 456
Ion Ratio Lower Upper
59 100
57 9.6 8.6 12.8

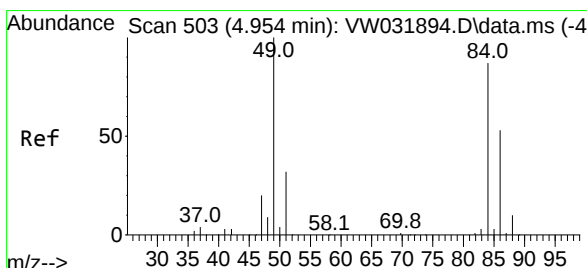
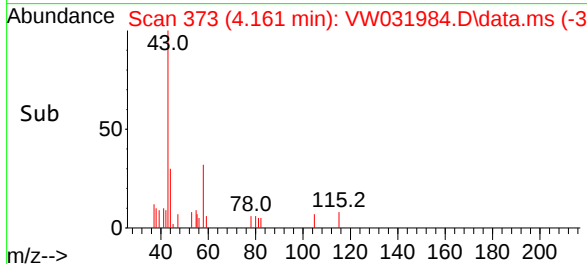
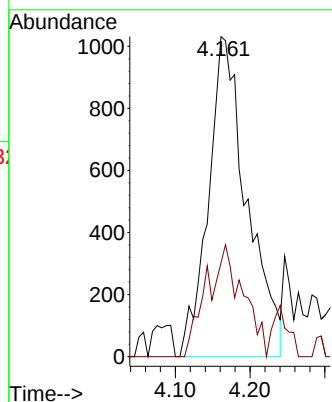
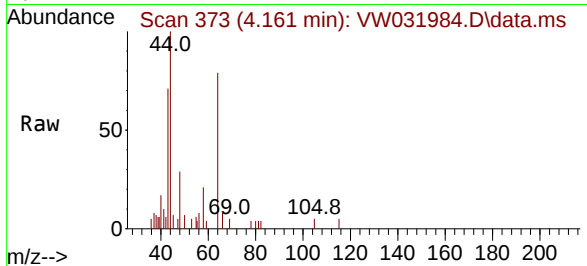




#16
Acetone
Concen: 5.867 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

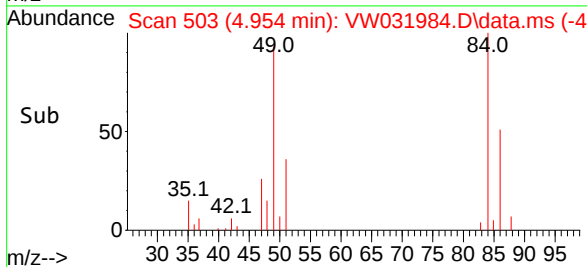
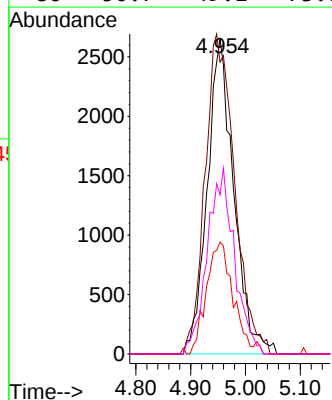
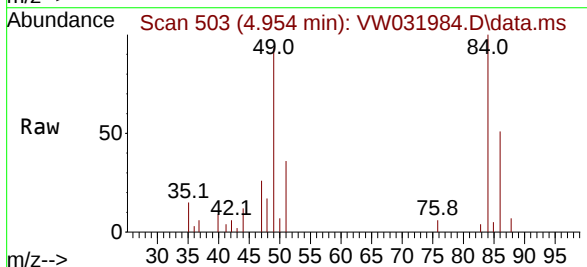
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

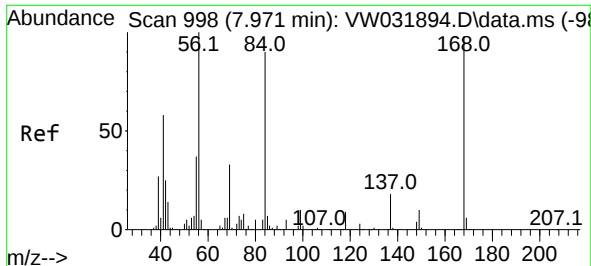
Tgt Ion: 43 Resp: 3691
Ion Ratio Lower Upper
43 100
58 29.3 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 84 Resp: 8918
Ion Ratio Lower Upper
84 100
49 92.9 91.9 137.9
51 35.6 29.0 43.6
86 50.7 49.1 73.7

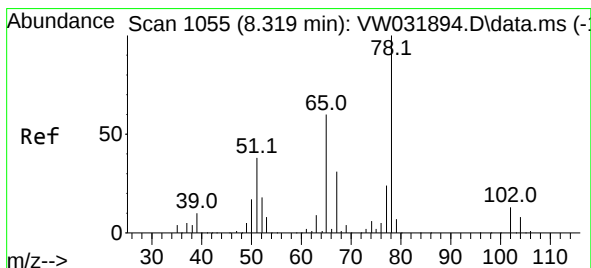
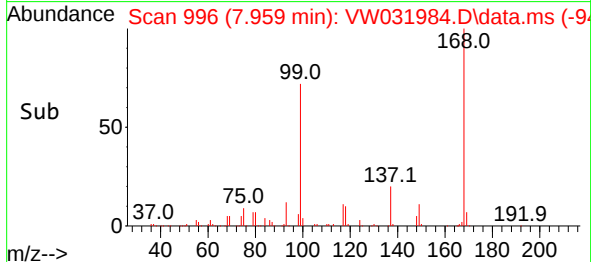
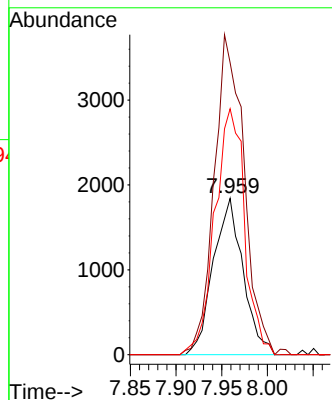
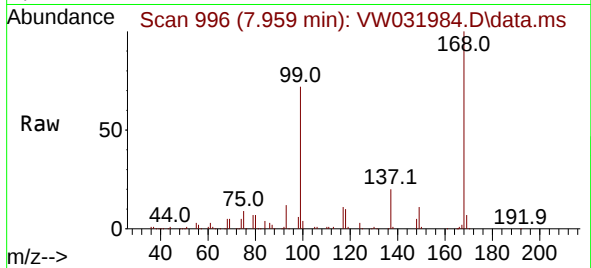




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

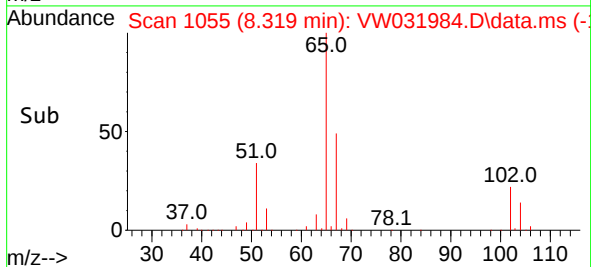
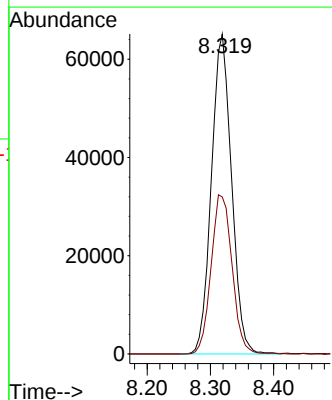
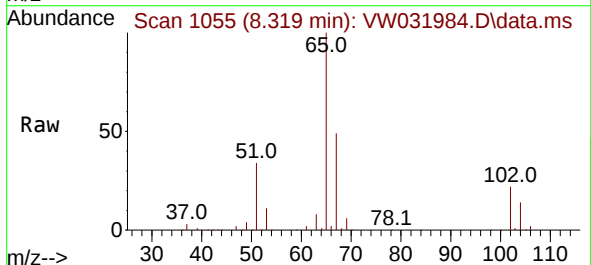
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

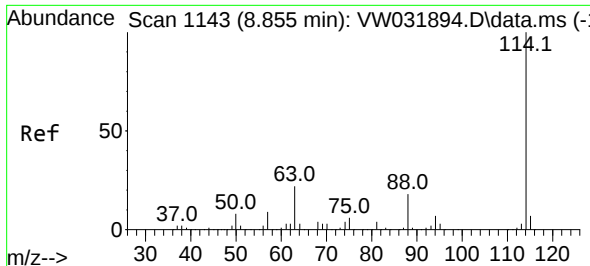
Tgt Ion: 56 Resp: 4179
Ion Ratio Lower Upper
56 100
69 186.8 26.7 40.1#
84 157.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.247 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 65 Resp: 143831
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4

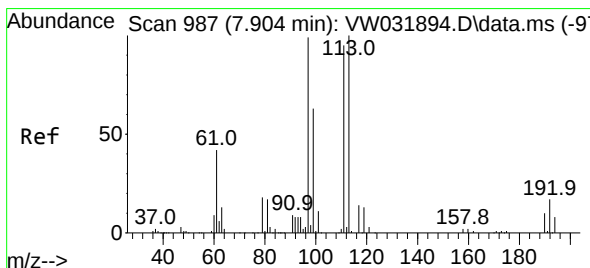
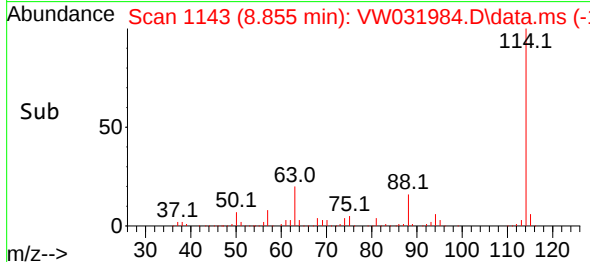
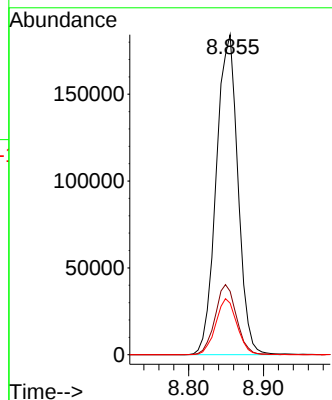
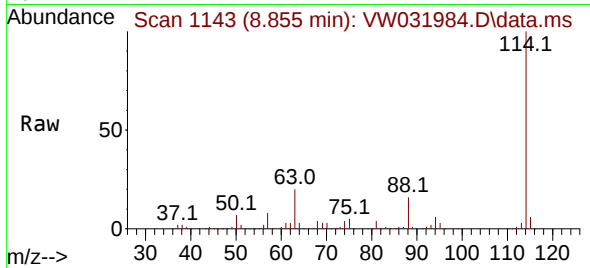




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

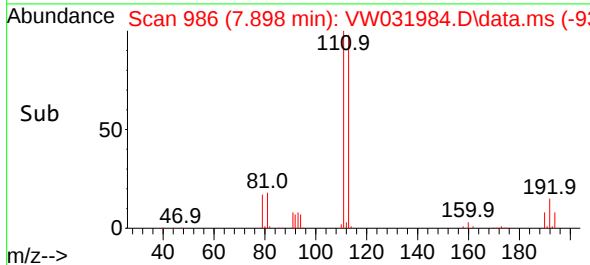
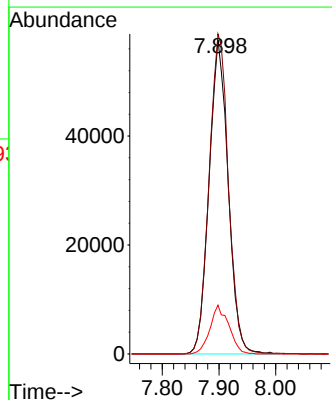
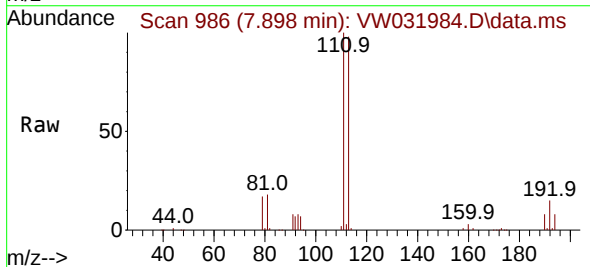
Instrument :
MSVOA_W
ClientSampleId :
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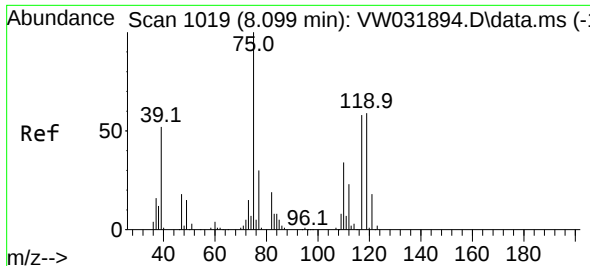
Tgt Ion:114 Resp: 370738
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.2
88 16.1 0.0 35.6



#35
Dibromofluoromethane
Concen: 53.473 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion:113 Resp: 134709
Ion Ratio Lower Upper
113 100
111 103.4 79.9 119.9
192 15.4 12.6 19.0

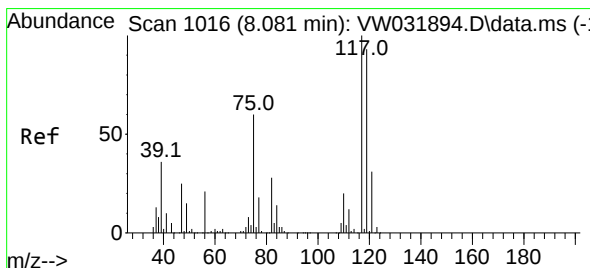
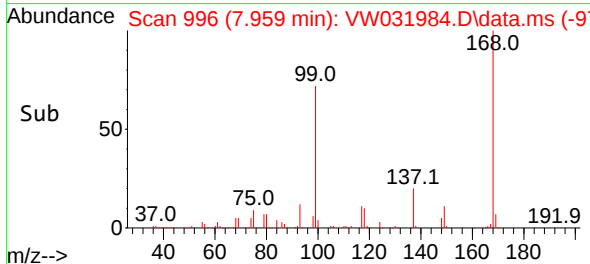
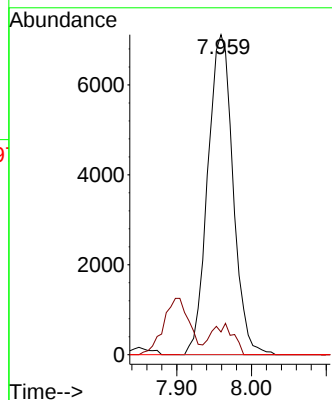
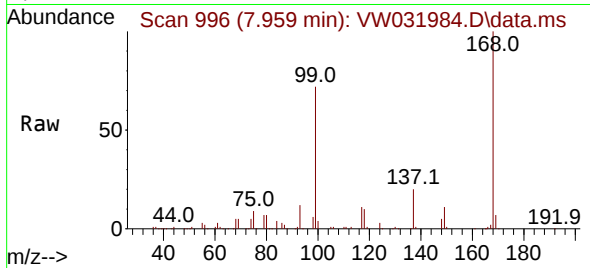




#36
 1,1-Dichloropropene
 Concen: 4.322 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031984.D
 Acq: 01 Aug 2025 14:35

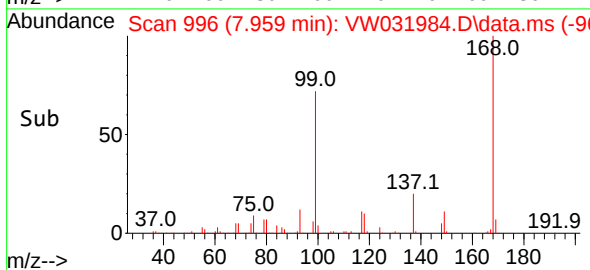
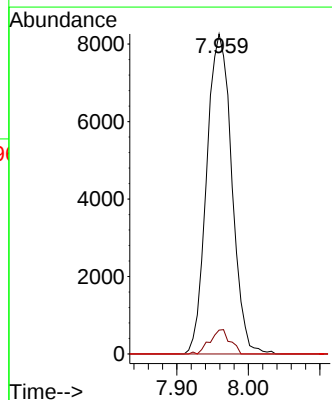
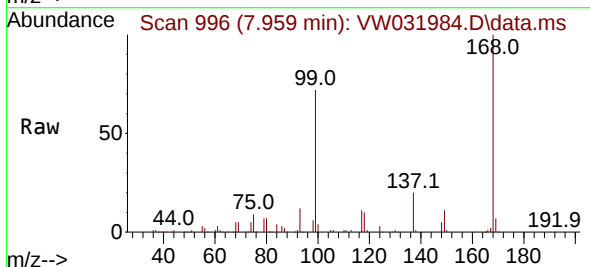
Instrument :
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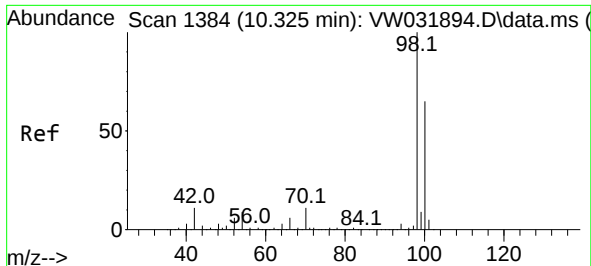
Tgt Ion: 75 Resp: 16722
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.0 50.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.417 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031984.D
 Acq: 01 Aug 2025 14:35

Tgt Ion: 117 Resp: 20114
 Ion Ratio Lower Upper
 117 100
 119 7.4 74.3 111.5#
 121 0.0 24.6 37.0#

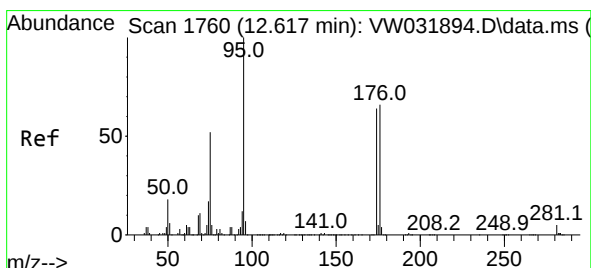
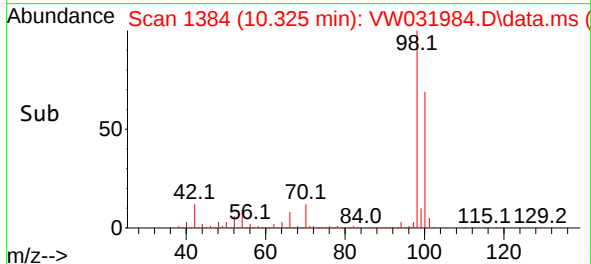
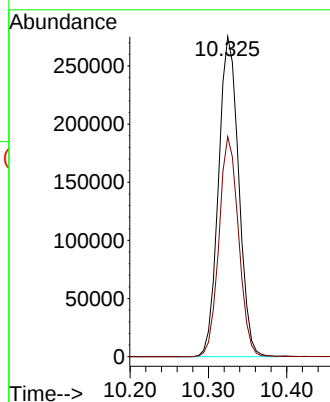
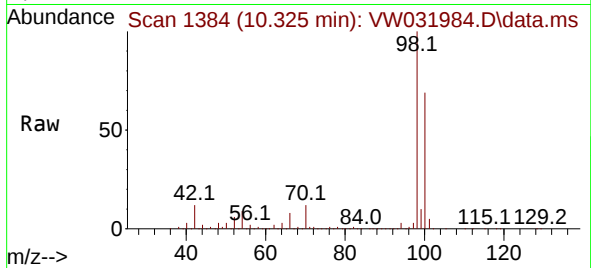




#50
Toluene-d8
Concen: 51.835 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

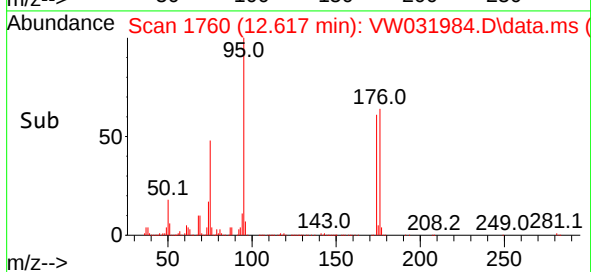
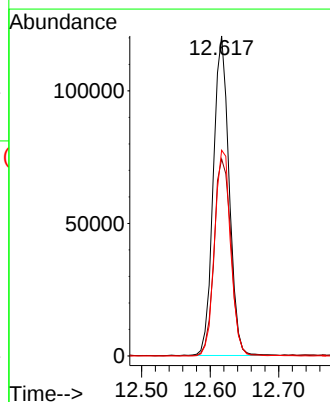
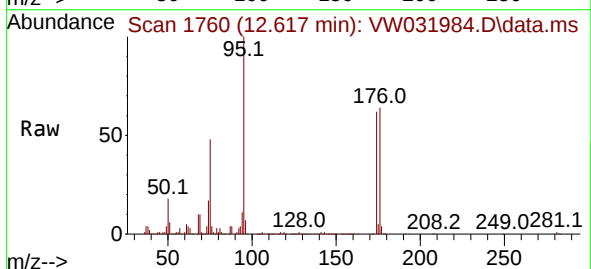
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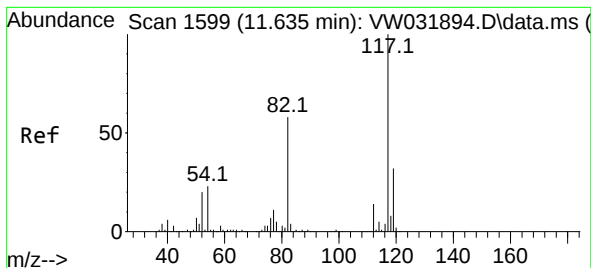
Tgt Ion: 98 Resp: 494219
Ion Ratio Lower Upper
98 100
100 66.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 52.649 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 95 Resp: 192752
Ion Ratio Lower Upper
95 100
174 65.7 0.0 129.8
176 65.6 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031984.D

Acq: 01 Aug 2025 14:35

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

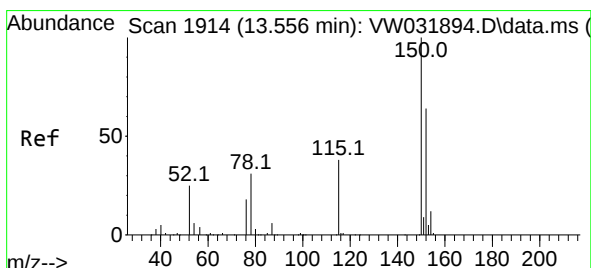
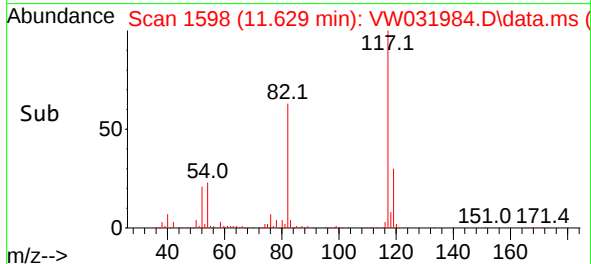
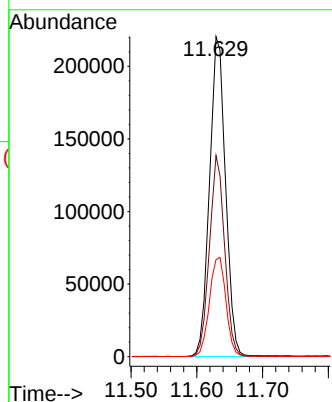
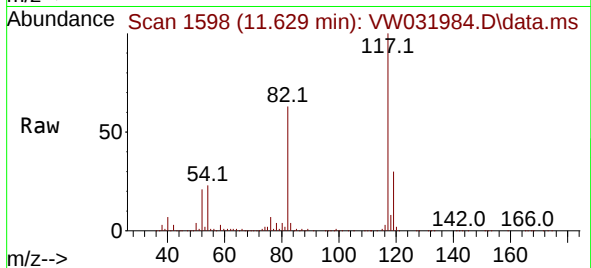
Tgt Ion:117 Resp: 373448

Ion Ratio Lower Upper

117 100

82 62.8 46.5 69.7

119 30.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031984.D

Acq: 01 Aug 2025 14:35

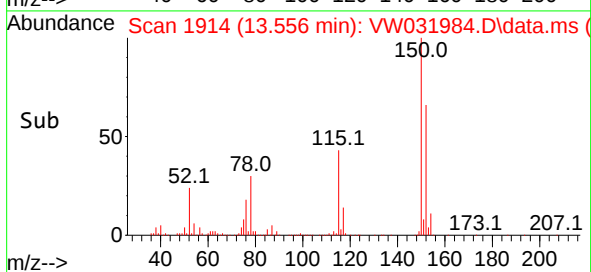
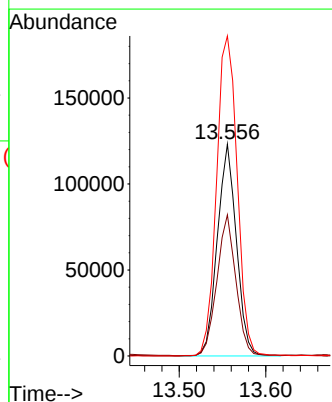
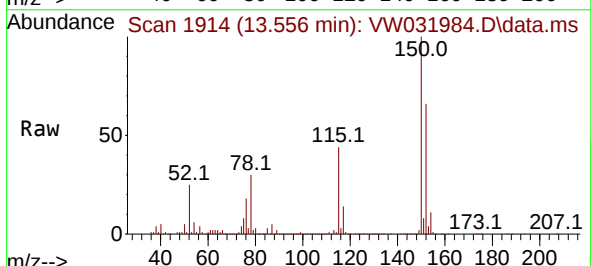
Tgt Ion:152 Resp: 188571

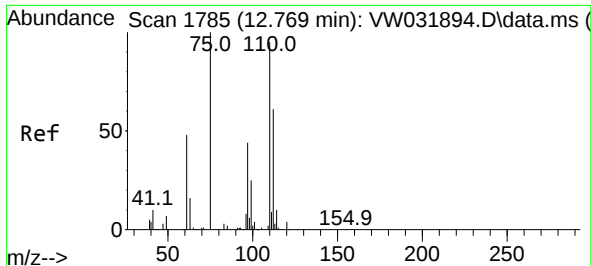
Ion Ratio Lower Upper

152 100

115 66.0 33.4 100.1

150 163.3 0.0 352.2

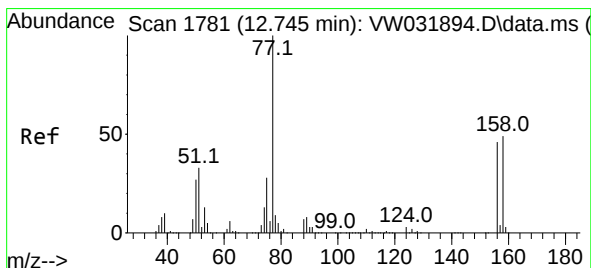
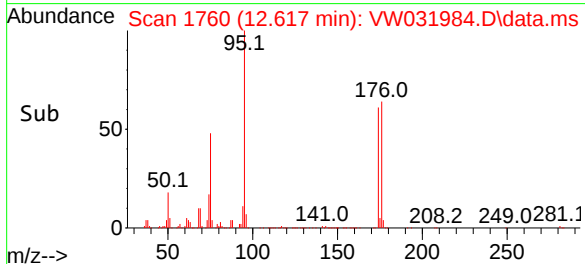
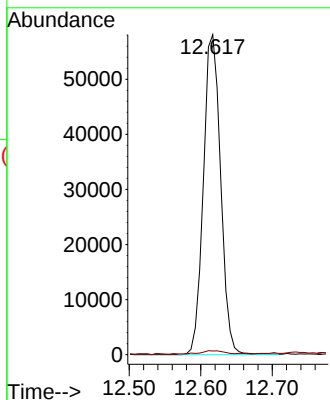
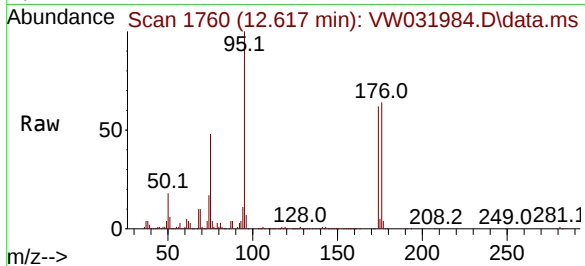




#76
1,2,3-Trichloropropane
Concen: 37.399 ug/l
RT: 12.617 min Scan# 1795
Delta R.T. -0.152 min
Lab File: VW031894.D
Acq: 01 Aug 2025 14:35

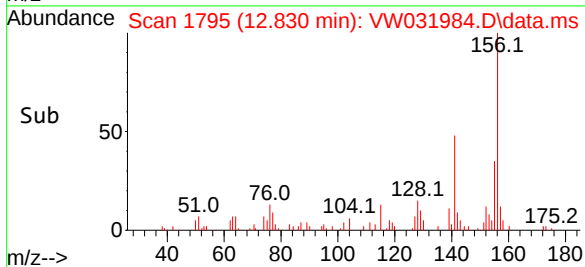
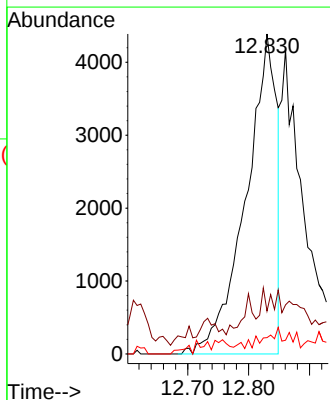
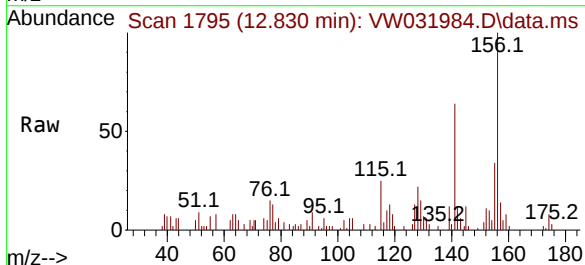
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

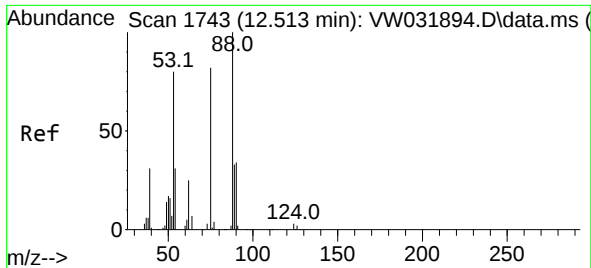
Tgt Ion: 75 Resp: 97368
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#77
Bromobenzene
Concen: 4.334 ug/l
RT: 12.830 min Scan# 1795
Delta R.T. 0.085 min
Lab File: VW031894.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 156 Resp: 15344
Ion Ratio Lower Upper
156 100
77 1.4 115.3 345.8#
158 0.0 50.1 150.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 86.343 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 97368
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

