

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031912.D
 Acq On : 23 Jul 2025 15:15
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 24 02:53:39 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)

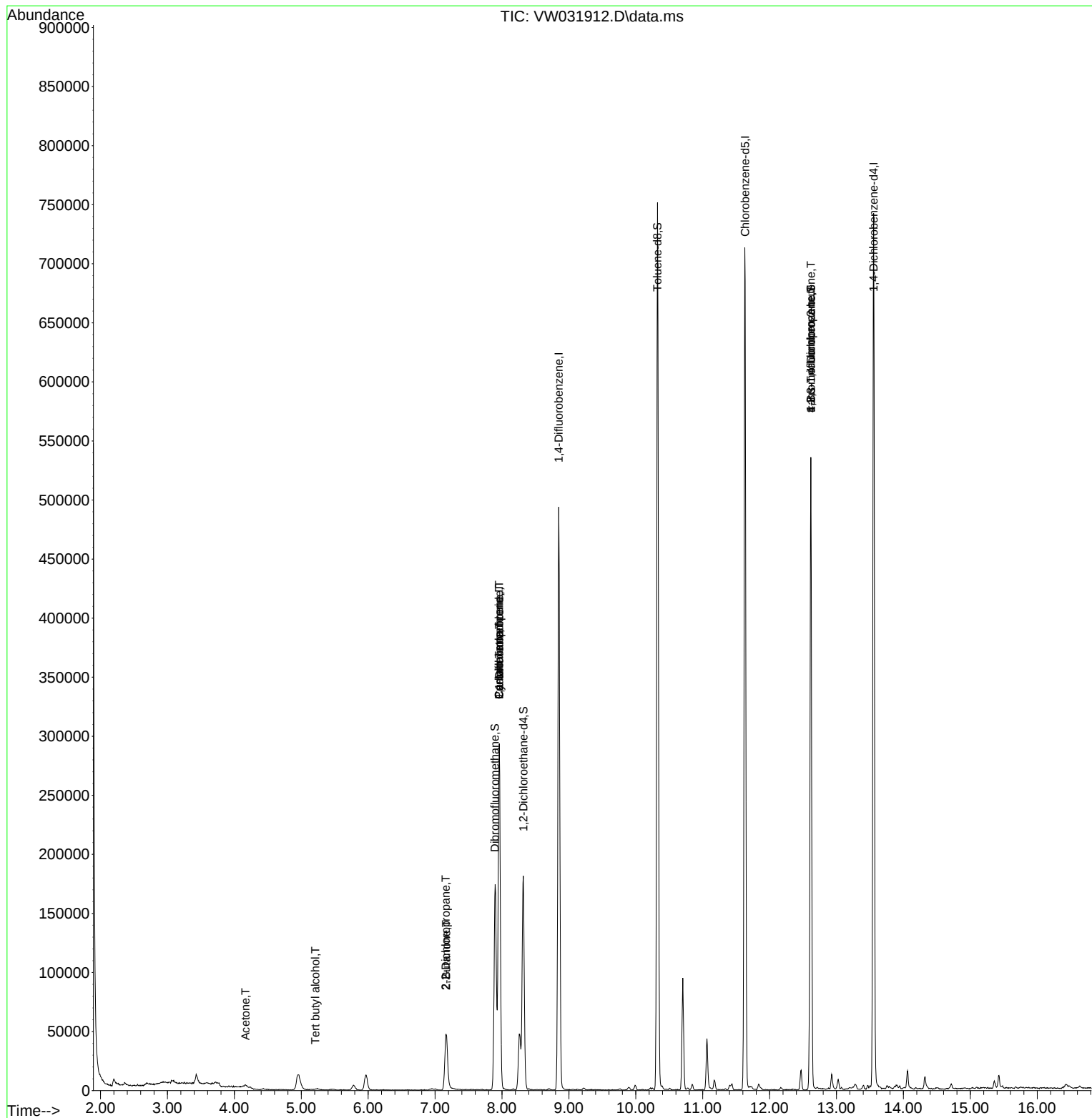
Internal Standards						
1) Pentafluorobenzene	7.959	168	198721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	396967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	189638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150296	49.996	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 100.000%		
35) Dibromofluoromethane	7.892	113	127767	46.071	ug/l	-0.01
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.140%		
50) Toluene-d8	10.325	98	493449	47.013	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.020%		
62) 4-Bromofluorobenzene	12.617	95	187775	46.591	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 93.180%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	184	1.041	ug/l #	72
13) Acrolein	3.948	56	28	Below Cal	#	60
16) Acetone	4.167	43	4017	5.631	ug/l	100
20) Methylene Chloride	4.954	84	11737	Below Cal		92
25) 2-Butanone	7.167	43	2649	2.714	ug/l #	83
26) 2,2-Dichloropropane	7.161	77	3782	1.300	ug/l #	53
31) Cyclohexane	7.959	56	4977	1.080	ug/l #	5
36) 1,1-Dichloropropene	7.959	75	18810	4.417	ug/l #	51
38) Carbon Tetrachloride	7.959	117	22711	5.556	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	96188	36.738	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	96188	84.817	ug/l #	8

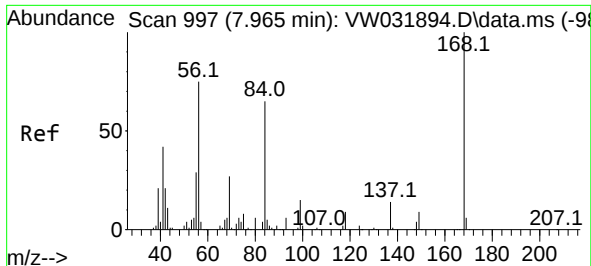
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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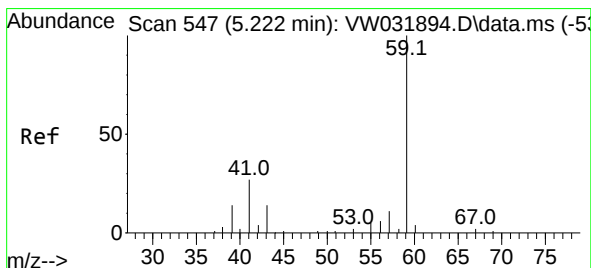
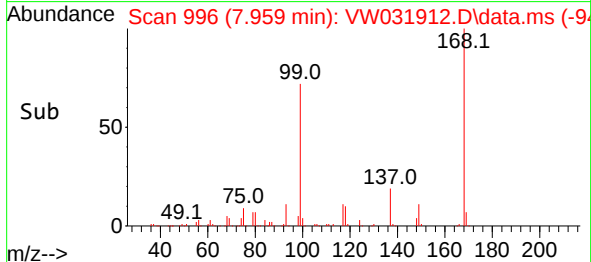
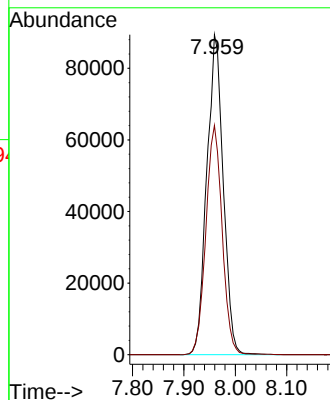
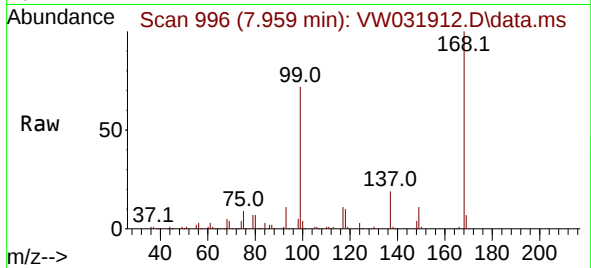




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

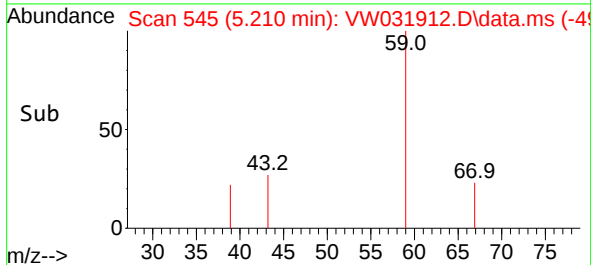
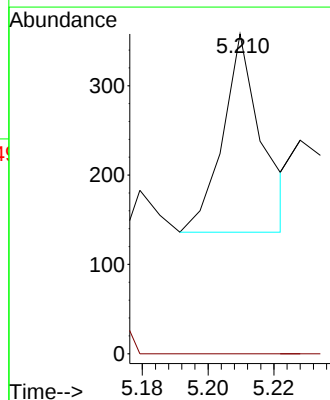
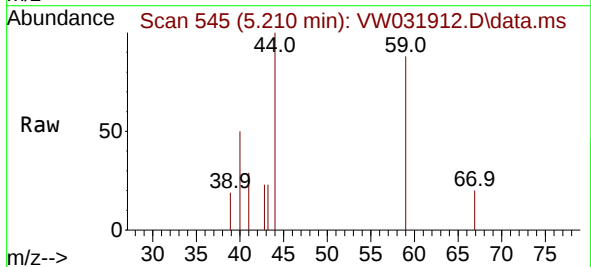
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

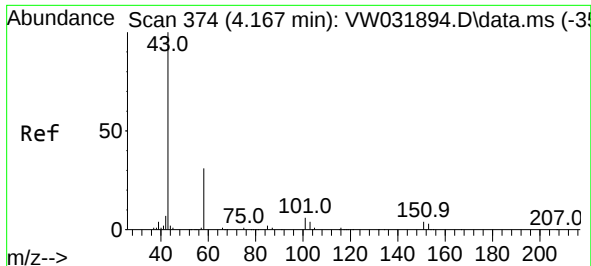
Tgt Ion:168 Resp: 198721
Ion Ratio Lower Upper
168 100
99 71.6 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.041 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

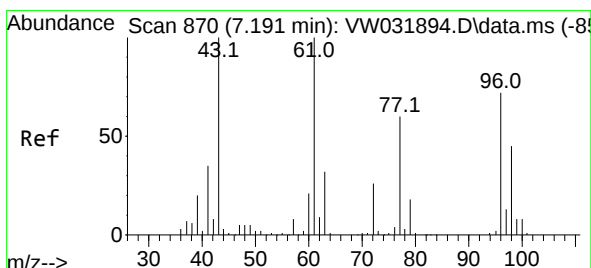
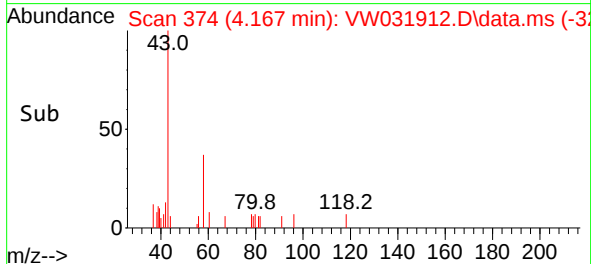
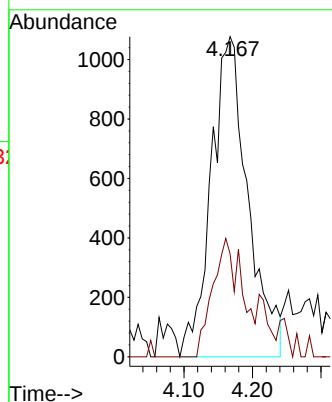
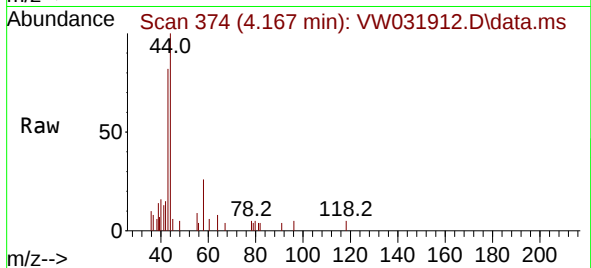




#16
Acetone
Concen: 5.631 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

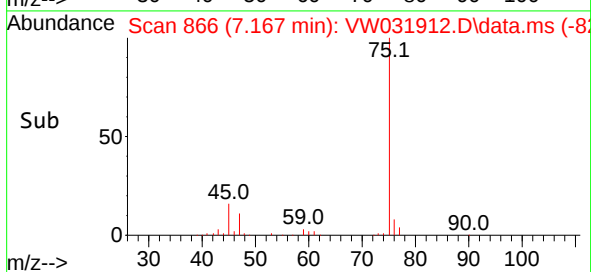
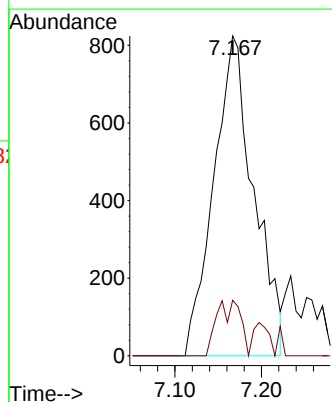
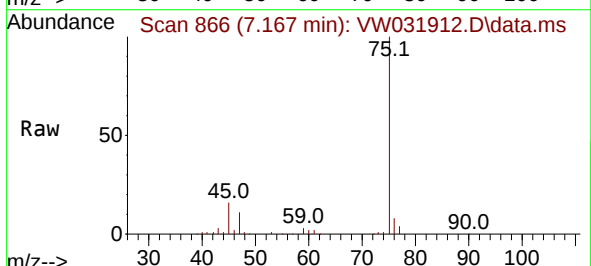
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

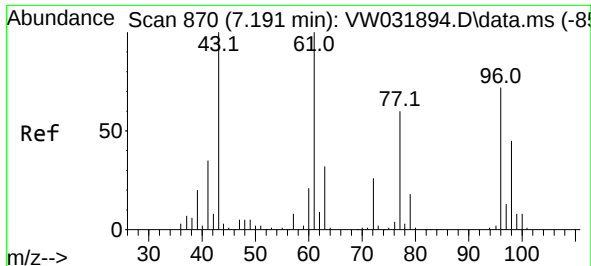
Tgt Ion: 43 Resp: 4017
Ion Ratio Lower Upper
43 100
58 32.1 25.5 38.3



#25
2-Butanone
Concen: 2.714 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
72 17.4 20.8 31.2#





#26

2,2-Dichloropropane

Concen: 1.300 ug/l

RT: 7.161 min Scan# 8

Delta R.T. -0.030 min

Lab File: VW031912.D

Acq: 23 Jul 2025 15:15

Instrument :

MSVOA_W

ClientSampleId :

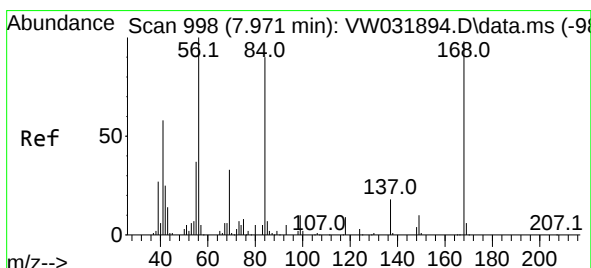
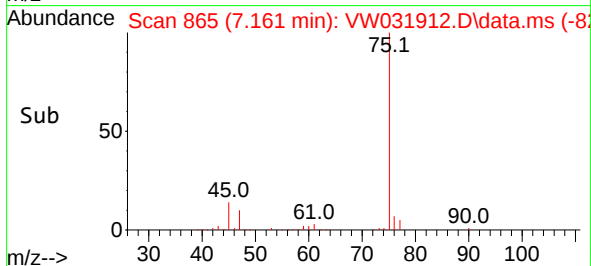
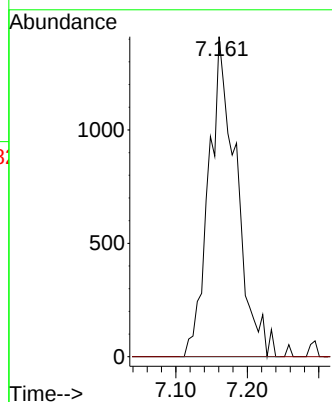
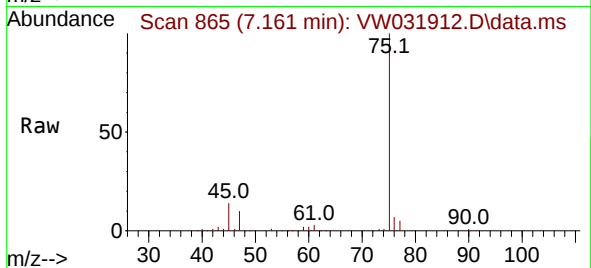
VIBLK

Tgt Ion: 77 Resp: 3782

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.080 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW031912.D

Acq: 23 Jul 2025 15:15

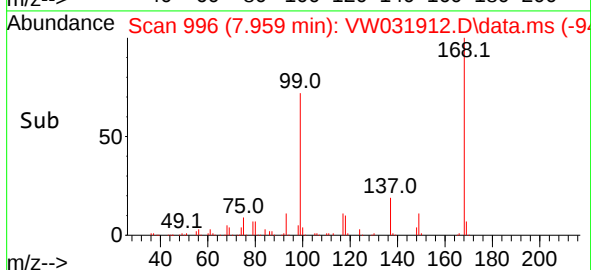
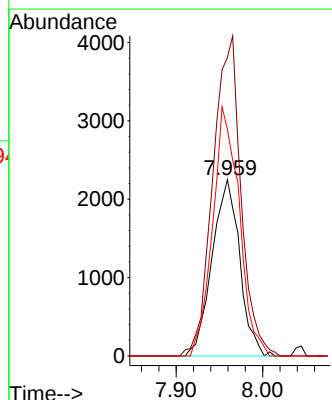
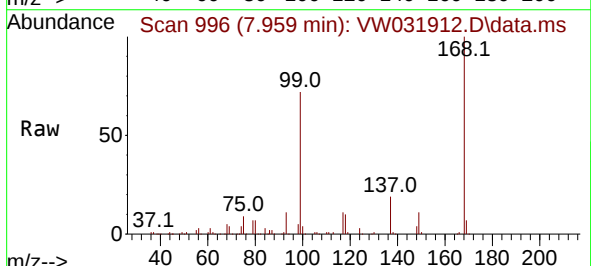
Tgt Ion: 56 Resp: 4977

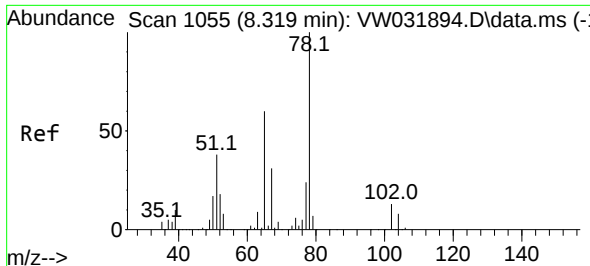
Ion Ratio Lower Upper

56 100

69 169.2 26.7 40.1#

84 128.5 71.8 107.6#

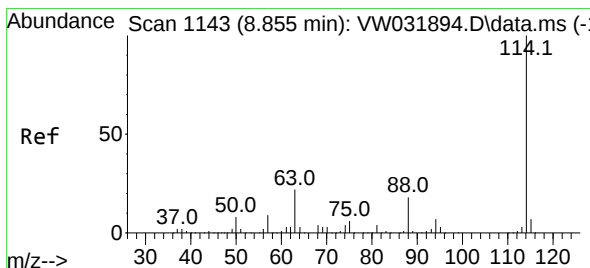
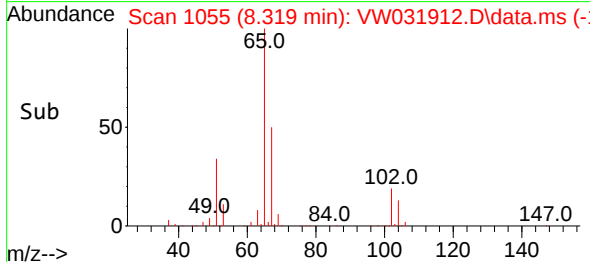
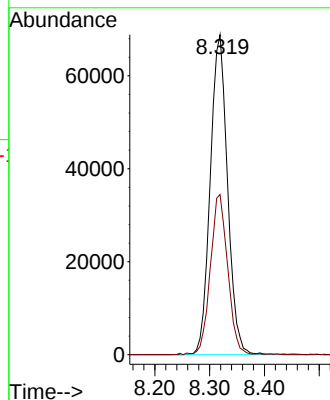
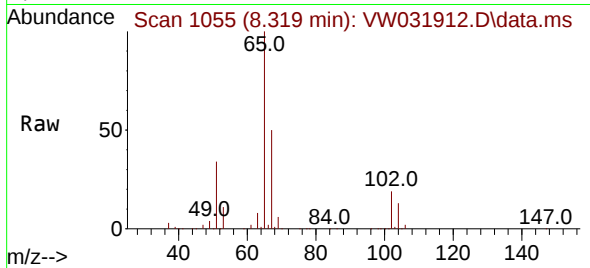




#33
 1,2-Dichloroethane-d4
 Concen: 49.996 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

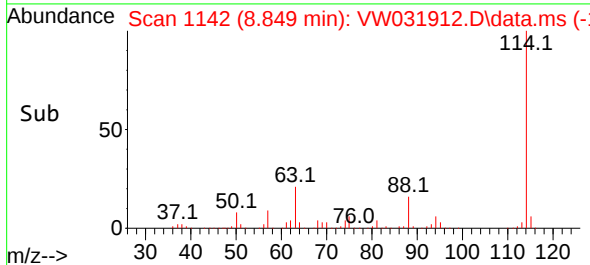
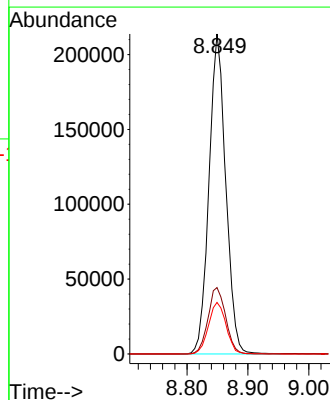
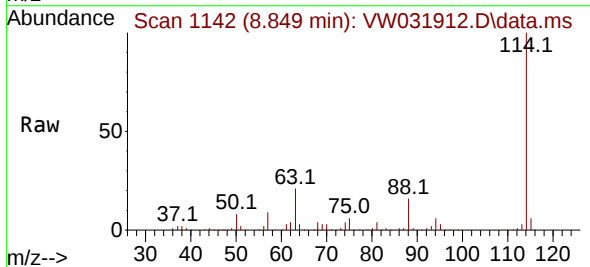
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

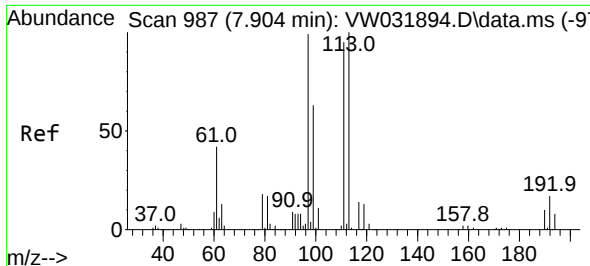
Tgt Ion: 65 Resp: 150296
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

Tgt Ion: 114 Resp: 408126
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 44.2
 88 16.1 0.0 35.6

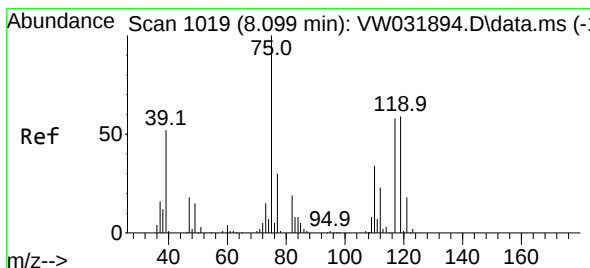
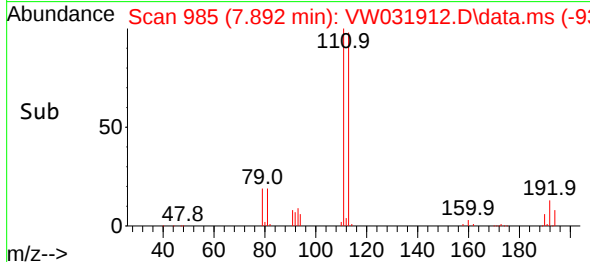
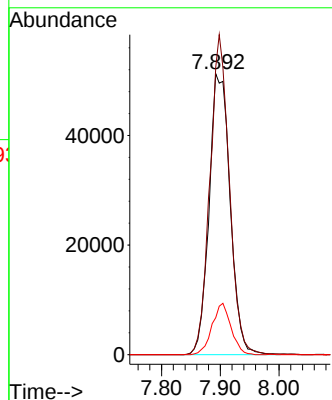
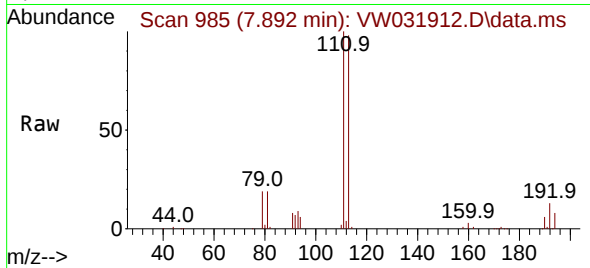




#35
 Dibromofluoromethane
 Concen: 46.071 ug/l
 RT: 7.892 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

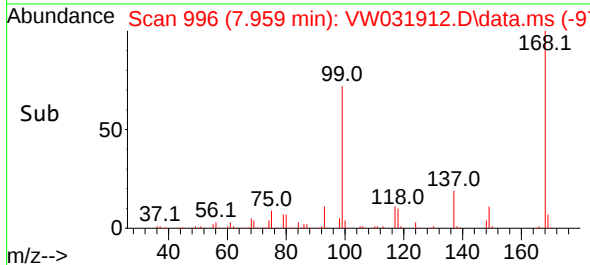
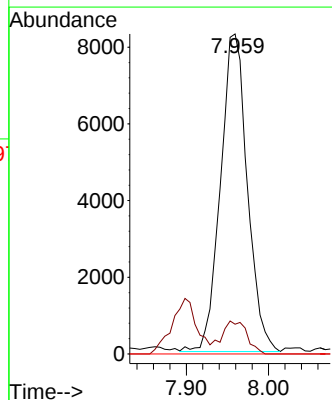
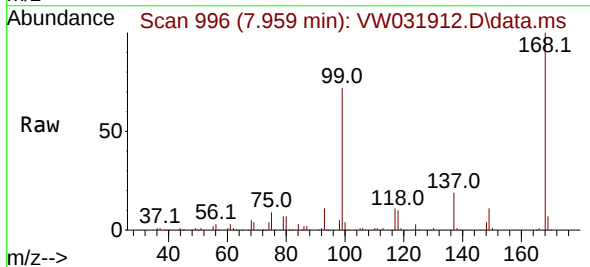
Instrument :
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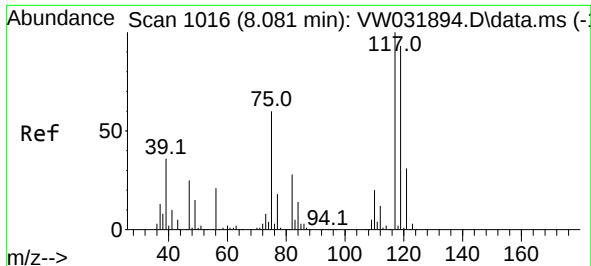
Tgt Ion:113 Resp: 127767
 Ion Ratio Lower Upper
 113 100
 111 105.0 79.9 119.9
 192 16.4 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.417 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

Tgt Ion: 75 Resp: 18810
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 50.9#
 77 0.0 25.1 37.7#

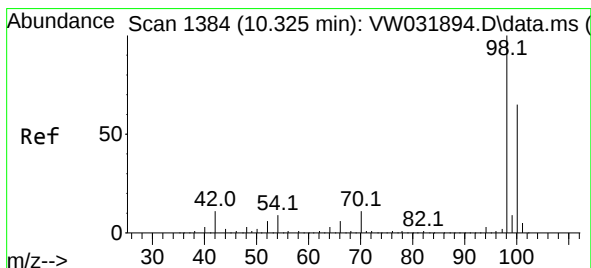
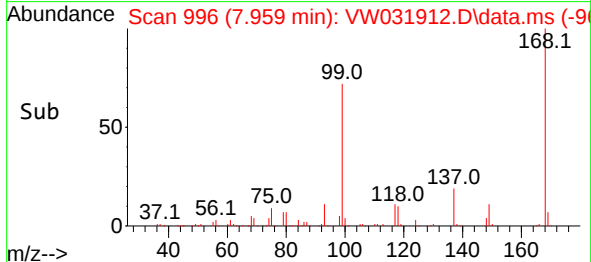
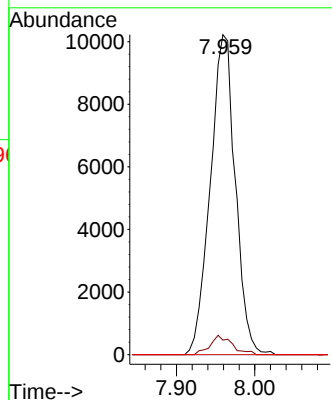
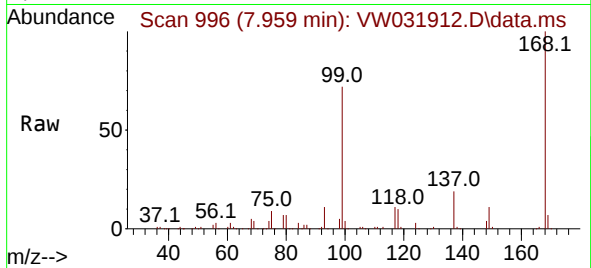




#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

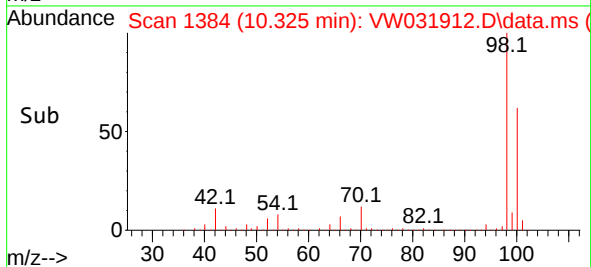
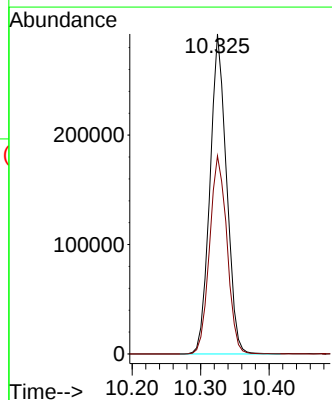
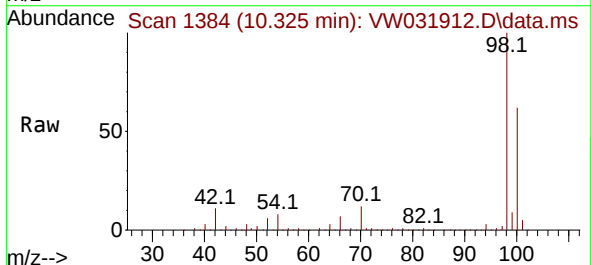
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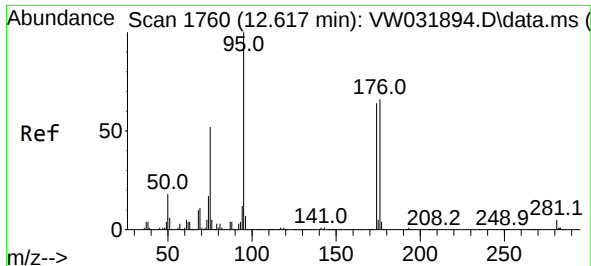
Tgt Ion:117 Resp: 22711
Ion Ratio Lower Upper
117 100
119 4.5 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.013 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion: 98 Resp: 493449
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

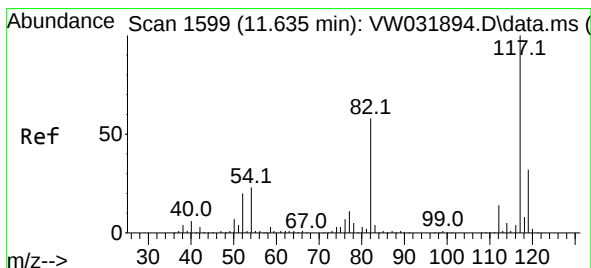
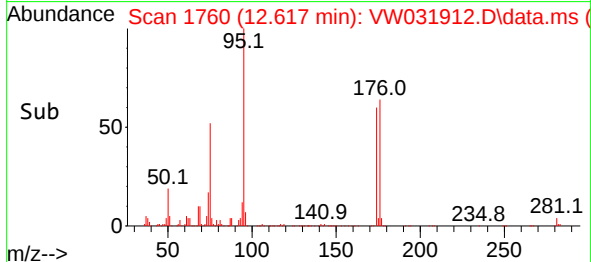
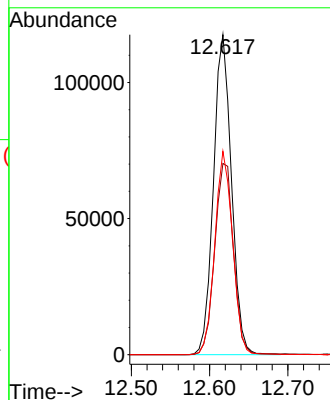
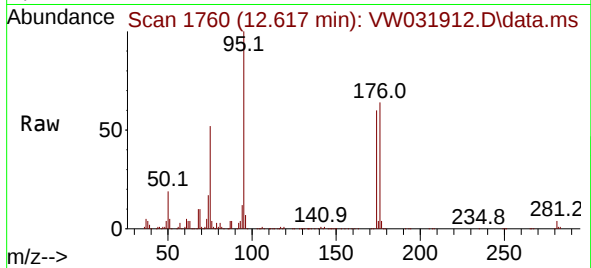




#62
4-Bromofluorobenzene
Concen: 46.591 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

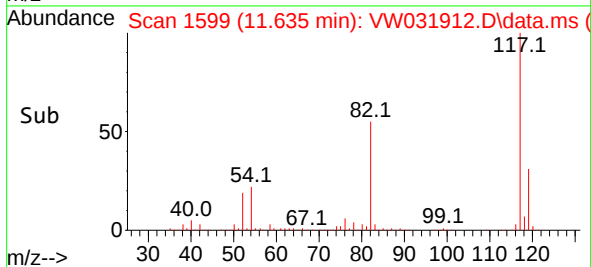
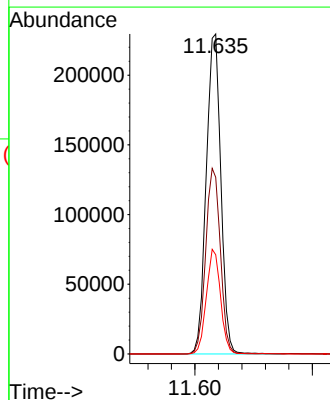
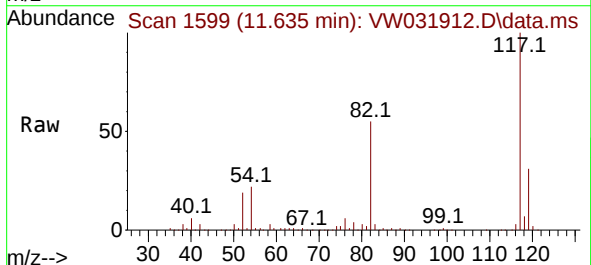
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

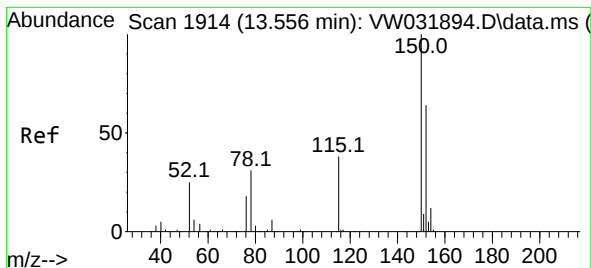
Tgt Ion: 95 Resp: 187775
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 63.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion: 117 Resp: 396967
Ion Ratio Lower Upper
117 100
82 55.2 46.5 69.7
119 31.0 25.8 38.6

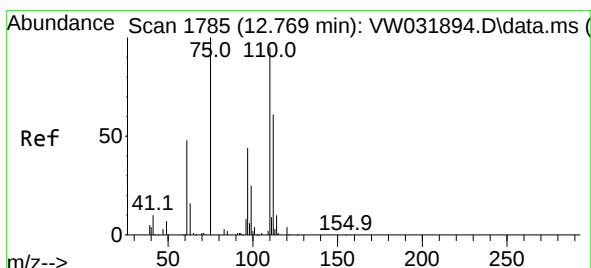
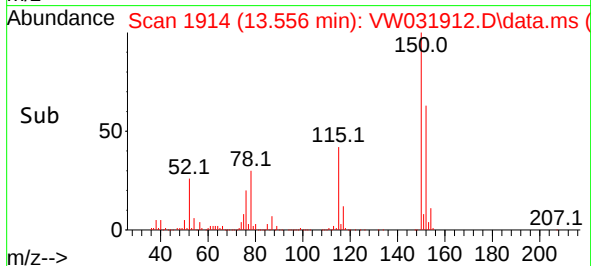
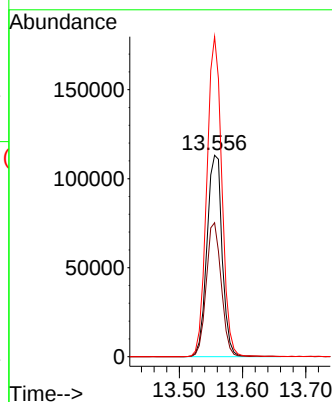
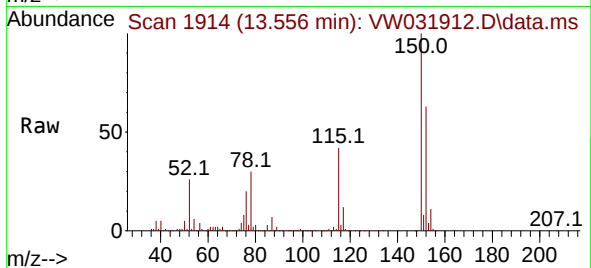




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

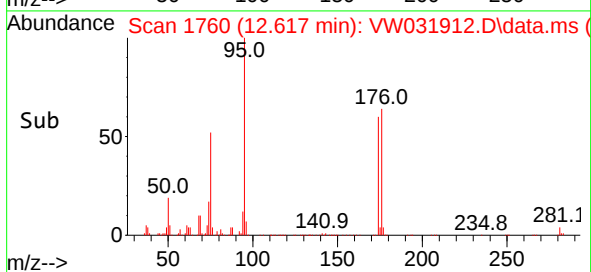
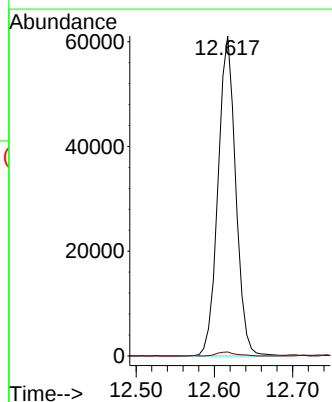
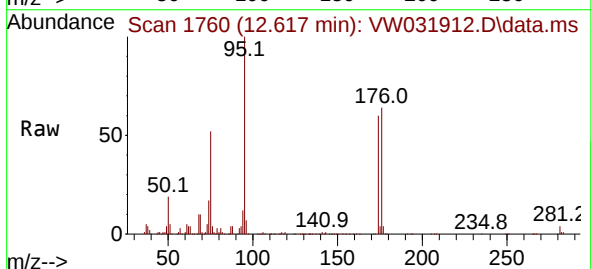
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

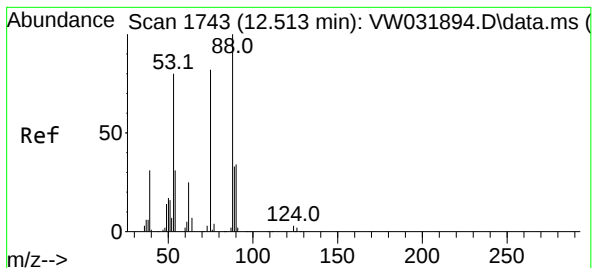
Tgt Ion:152 Resp: 189638
 Ion Ratio Lower Upper
 152 100
 115 65.2 33.4 100.1
 150 156.7 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 36.738 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW031912.D
 Acq: 23 Jul 2025 15:15

Tgt Ion: 75 Resp: 96188
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.817 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 96188
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.3 39.0 58.6#

