

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032148.D
 Acq On : 28 Aug 2025 10:38
 Operator : SY/MD
 Sample : VW0828SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 29 01:15:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

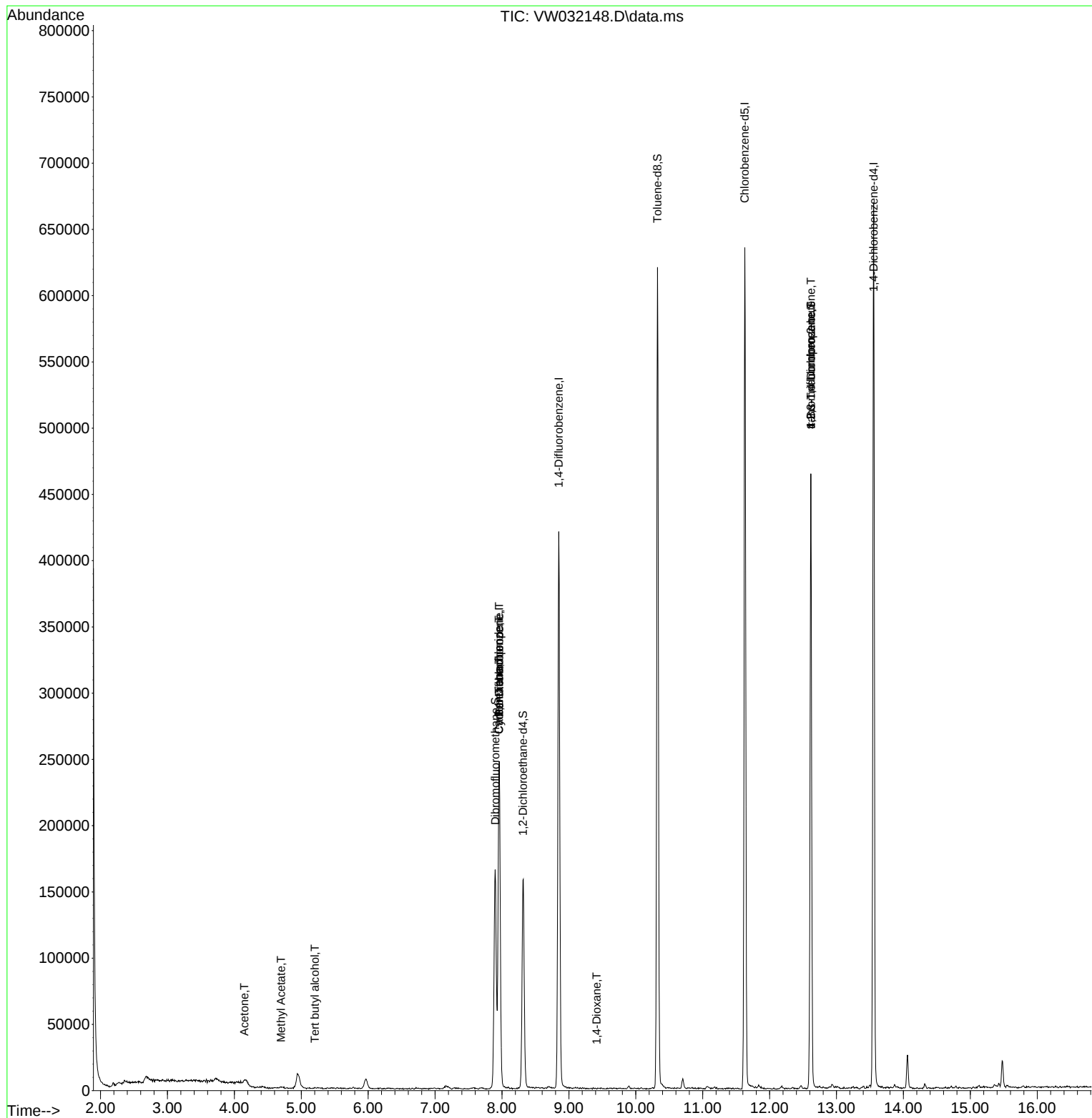
Internal Standards						
1) Pentafluorobenzene	7.959	168	179066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	345309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	329873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	130227	50.852	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 101.700%		
35) Dibromofluoromethane	7.898	113	115711	47.762	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.520%		
50) Toluene-d8	10.325	98	397149	46.697	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.400%		
62) 4-Bromofluorobenzene	12.617	95	144906	46.077	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	427	2.726	ug/l #	93
16) Acetone	4.149	43	4812	8.676	ug/l #	78
18) Methyl Acetate	4.698	43	2318	1.312	ug/l #	65
31) Cyclohexane	7.953	56	4804	1.528	ug/l #	32
36) 1,1-Dichloropropene	7.959	75	14941	4.757	ug/l #	52
38) Carbon Tetrachloride	7.953	117	19636	5.831	ug/l #	17
49) 1,4-Dioxane	9.416	88	23	1.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	80649	39.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	80649	105.192	ug/l #	5

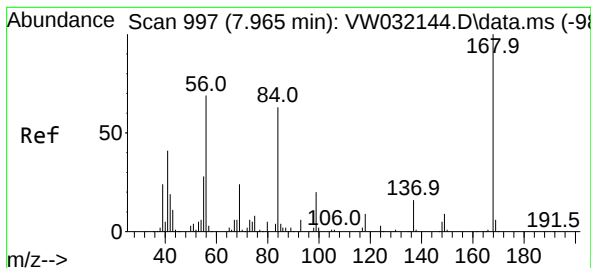
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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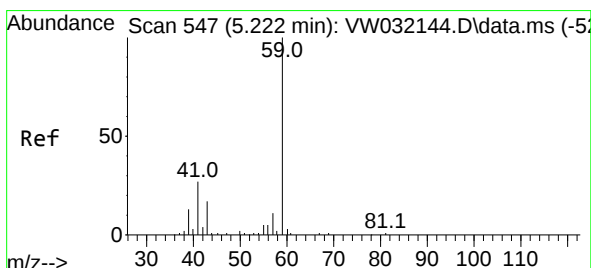
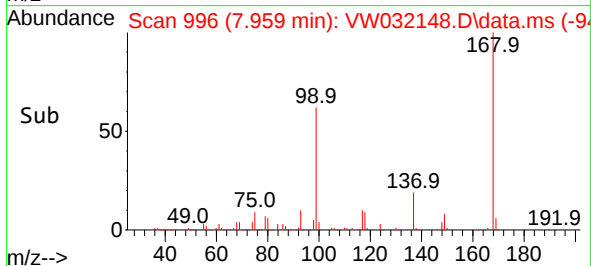
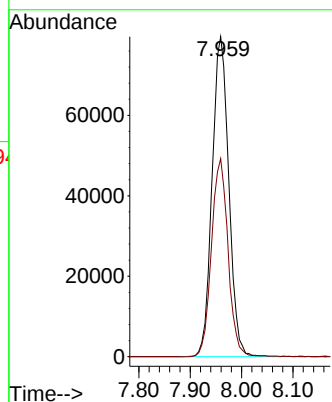
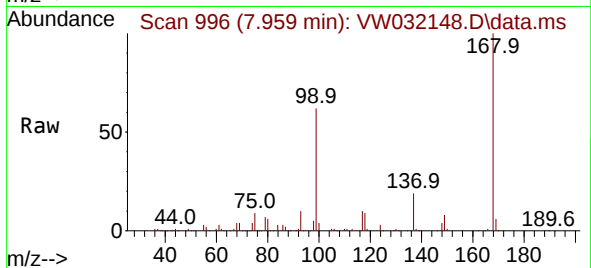




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

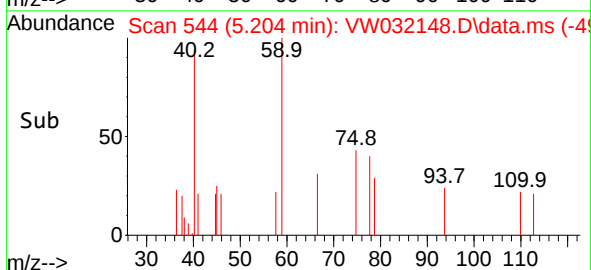
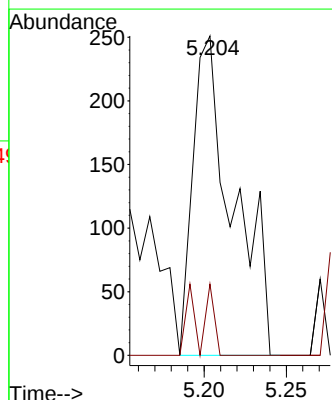
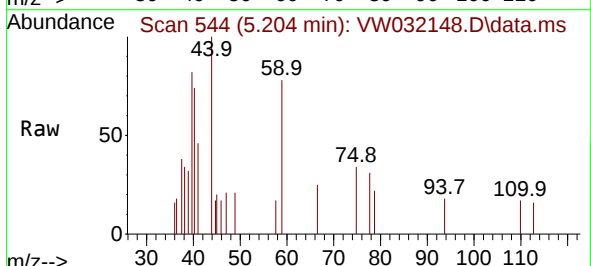
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

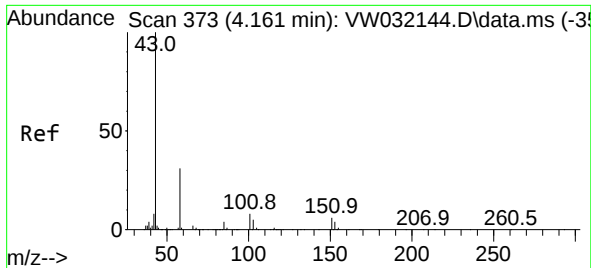
Tgt Ion:168 Resp: 179066
Ion Ratio Lower Upper
168 100
99 61.9 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.726 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 9.6 9.8 14.6#

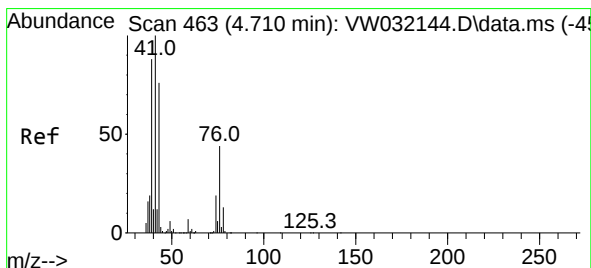
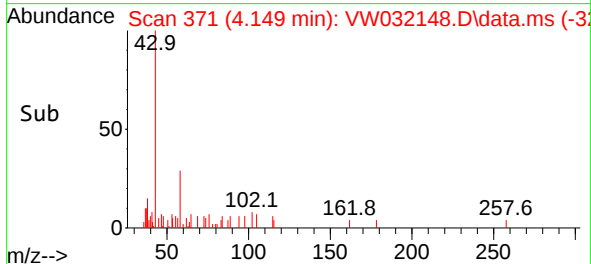
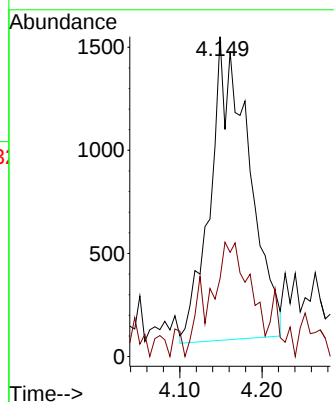
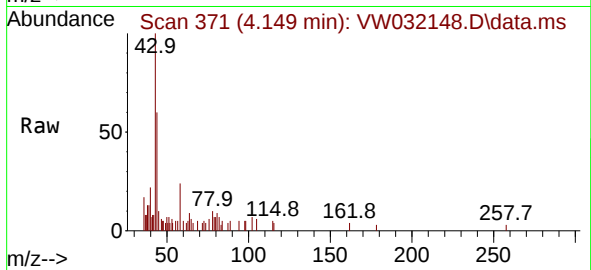




#16
Acetone
Concen: 8.676 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

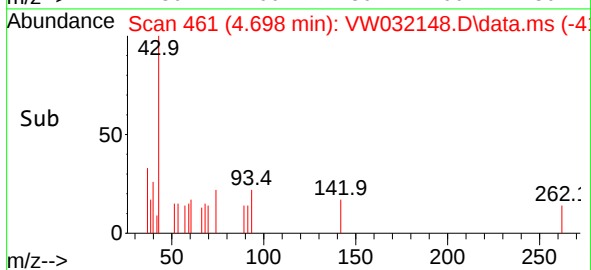
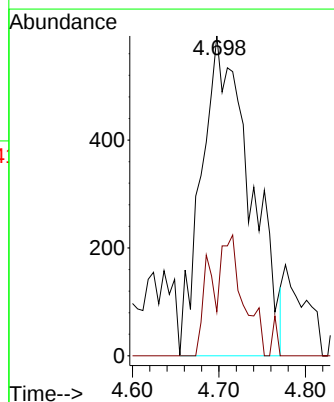
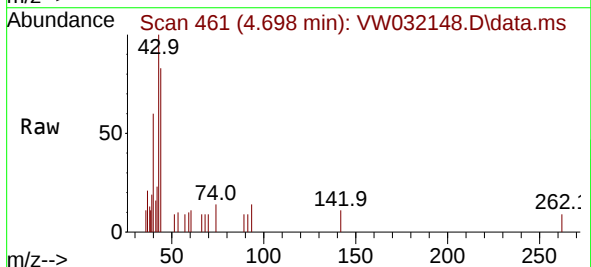
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

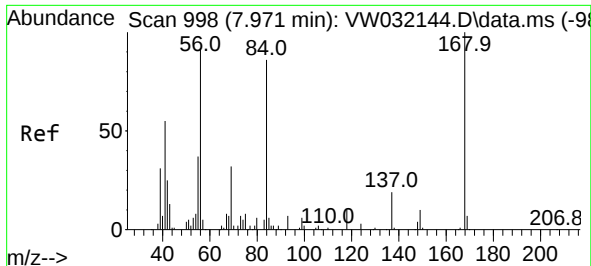
Tgt Ion: 43 Resp: 4812
Ion Ratio Lower Upper
43 100
58 19.6 25.3 37.9#



#18
Methyl Acetate
Concen: 1.312 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
74 7.5 20.2 30.4#

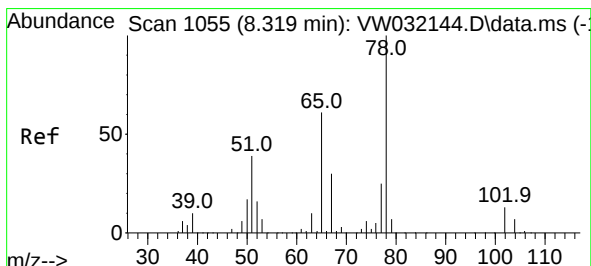
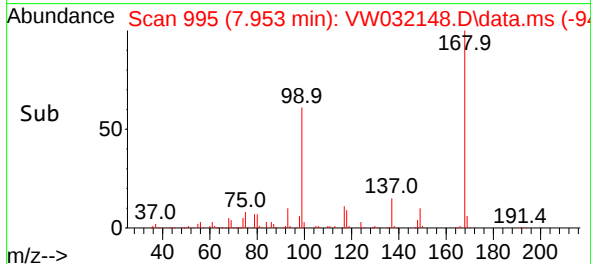
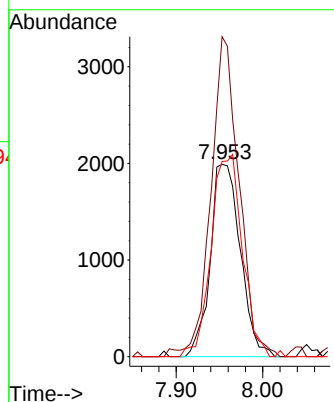
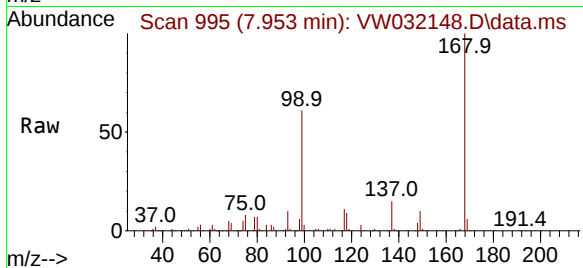




#31
Cyclohexane
Concen: 1.528 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

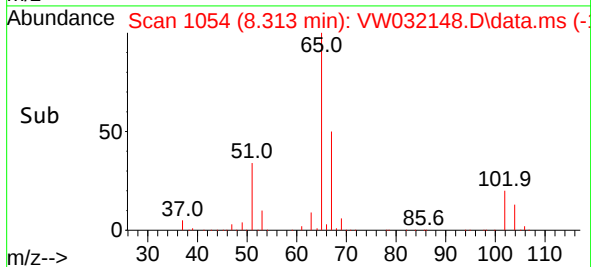
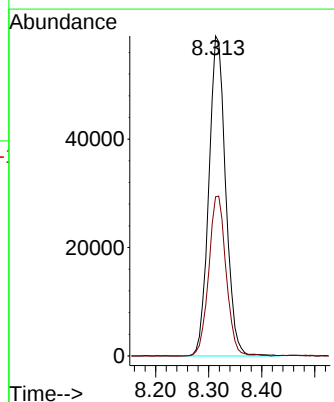
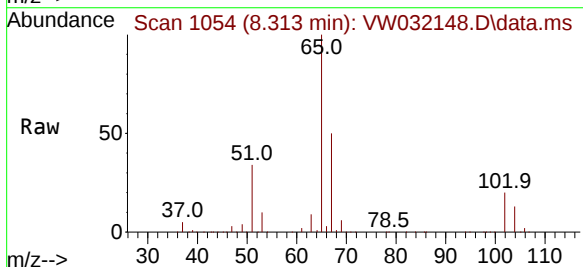
Instrument :
MSVOA_W
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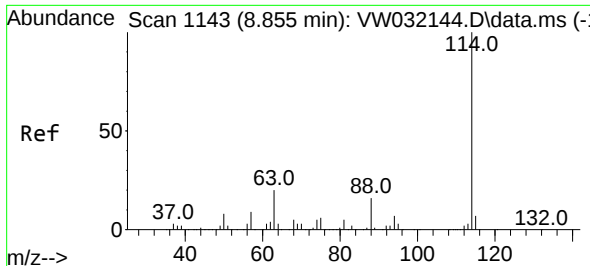
Tgt Ion: 56 Resp: 4804
Ion Ratio Lower Upper
56 100
69 166.3 27.7 41.5#
84 101.5 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 50.852 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

Tgt Ion: 65 Resp: 130227
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.6

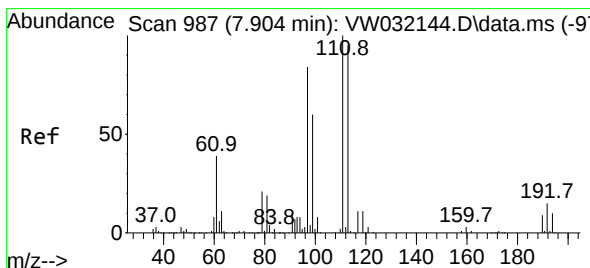
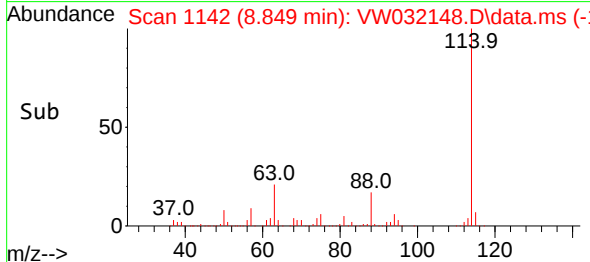
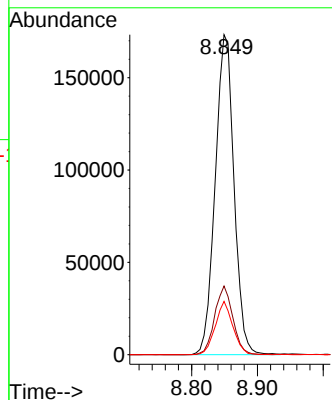
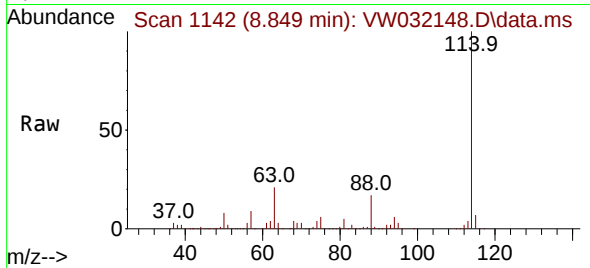




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

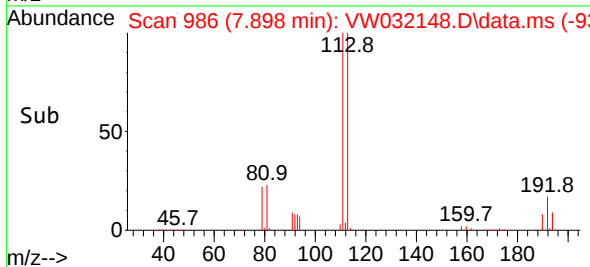
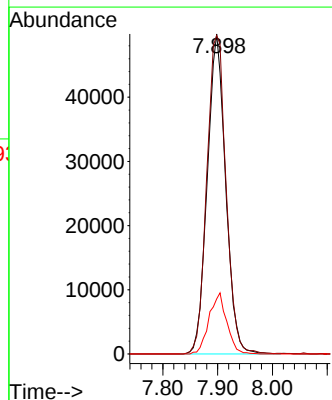
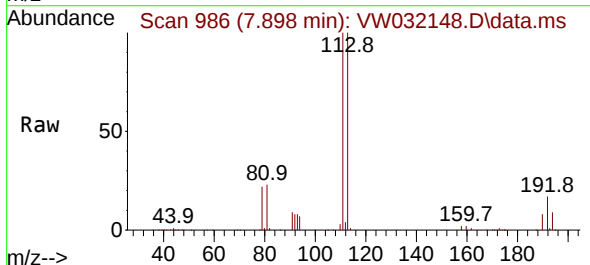
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

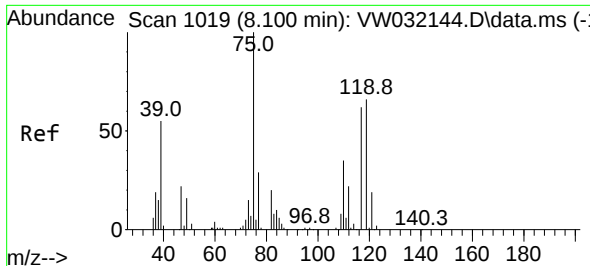
Tgt Ion:114 Resp: 345309
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.762 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

Tgt Ion:113 Resp: 115711
Ion Ratio Lower Upper
113 100
111 104.2 83.9 125.9
192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032148.D

Acq: 28 Aug 2025 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

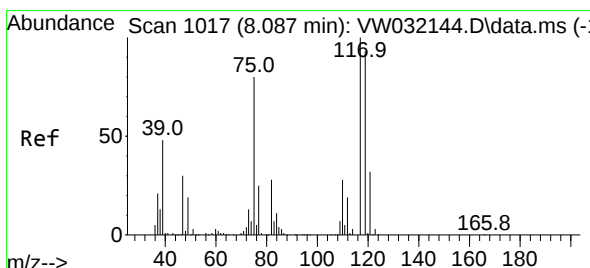
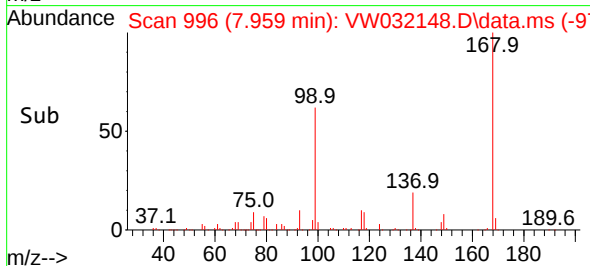
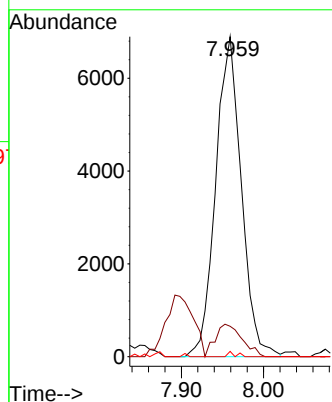
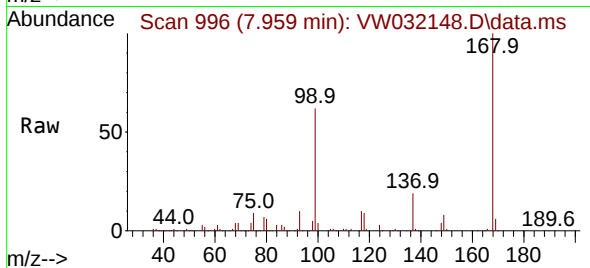
Tgt Ion: 75 Resp: 14941

Ion Ratio Lower Upper

75 100

110 10.6 17.5 52.5#

77 0.5 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.831 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.134 min

Lab File: VW032148.D

Acq: 28 Aug 2025 10:38

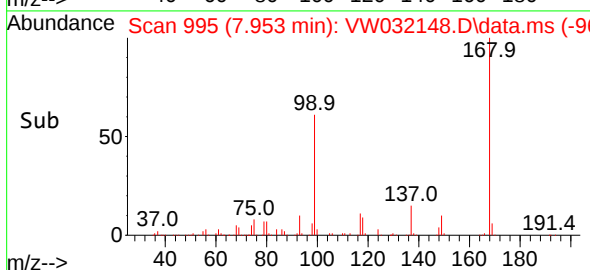
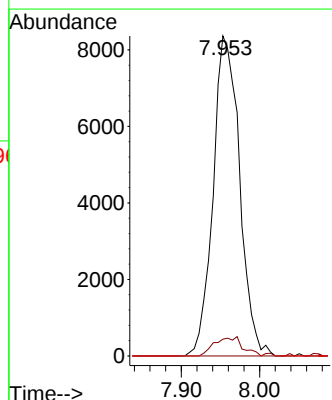
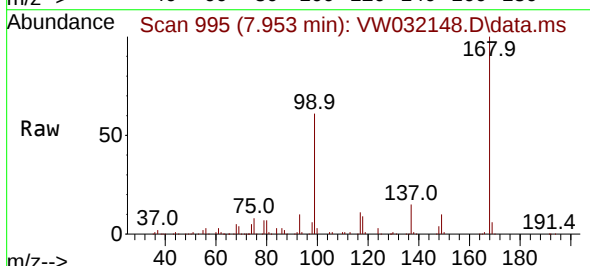
Tgt Ion: 117 Resp: 19636

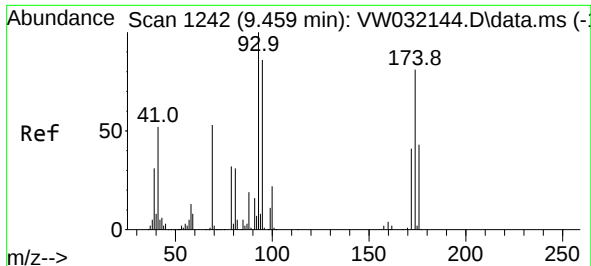
Ion Ratio Lower Upper

117 100

119 5.3 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.160 ug/l

RT: 9.416 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW032148.D

Acq: 28 Aug 2025 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

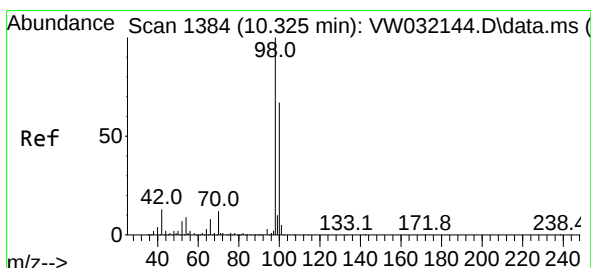
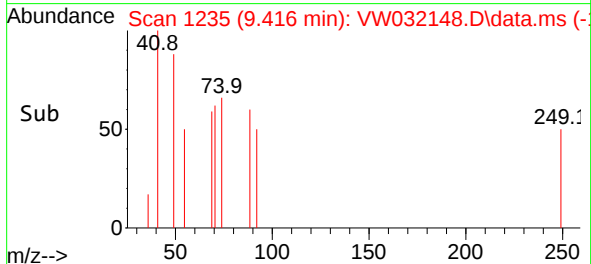
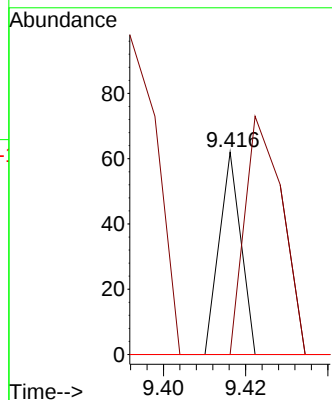
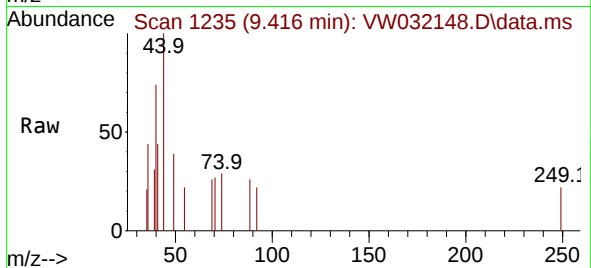
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 200.0 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 46.697 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032148.D

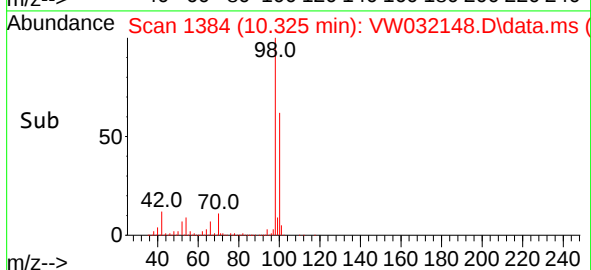
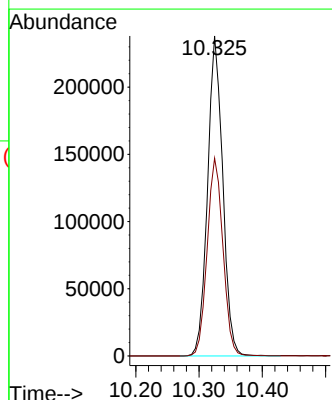
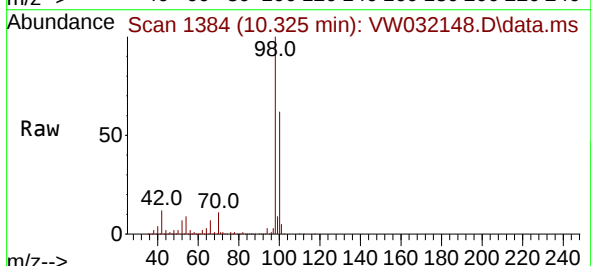
Acq: 28 Aug 2025 10:38

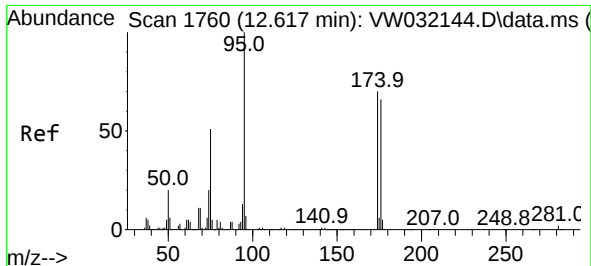
Tgt Ion: 98 Resp: 397149

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2

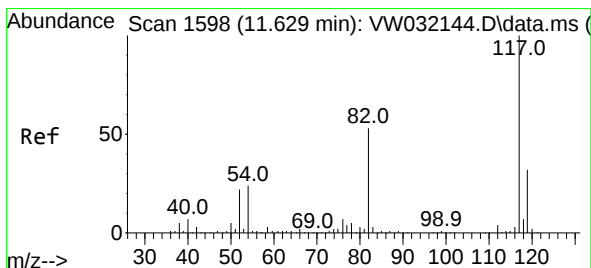
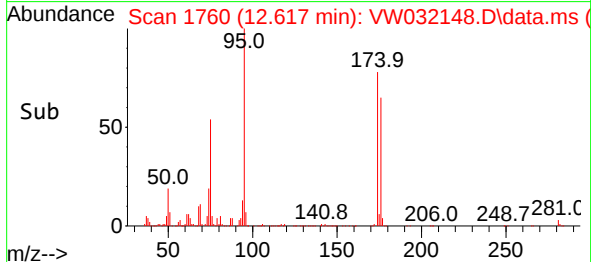
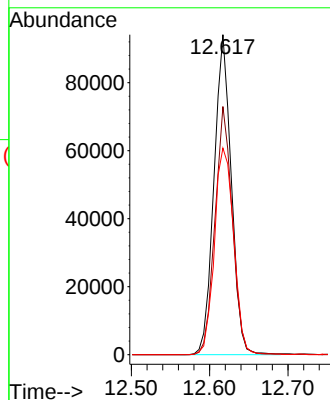
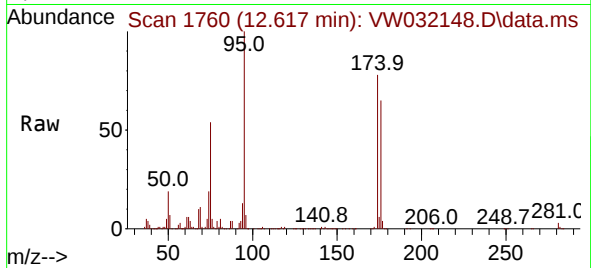




#62
4-Bromofluorobenzene
Concen: 46.077 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

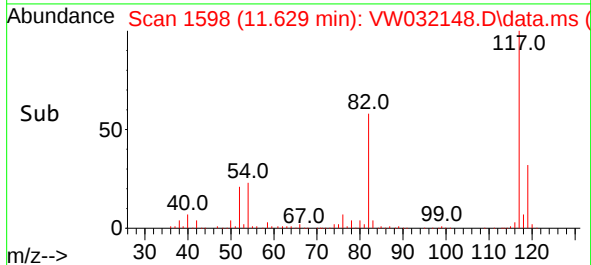
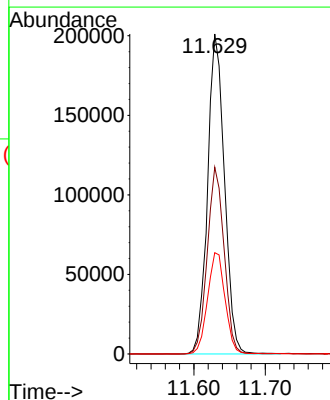
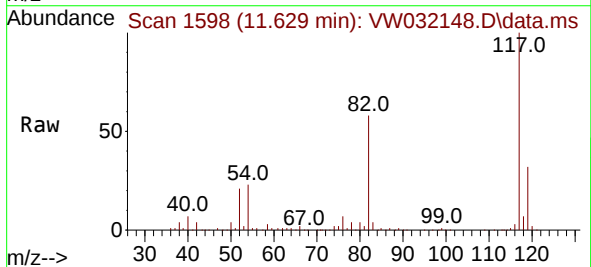
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

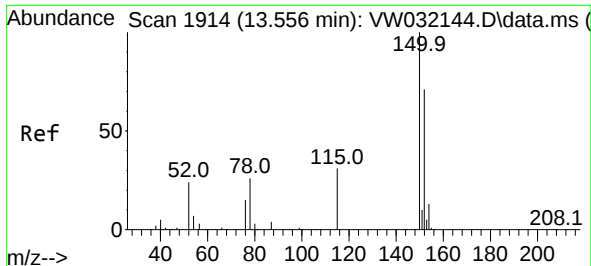
Tgt Ion: 95 Resp: 144906
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.6
176 71.9 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032148.D
Acq: 28 Aug 2025 10:38

Tgt Ion: 117 Resp: 329873
Ion Ratio Lower Upper
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82 58.3 42.7 64.1
119 31.6 25.2 37.8

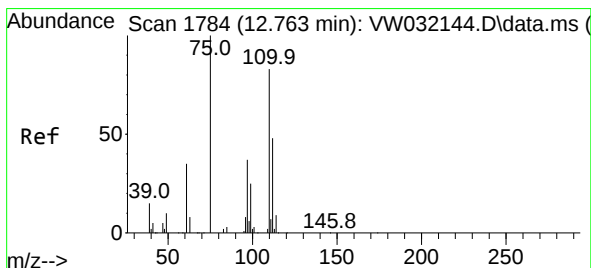
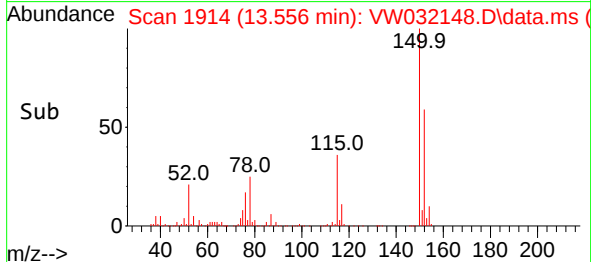
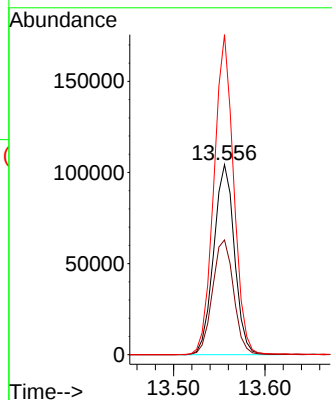
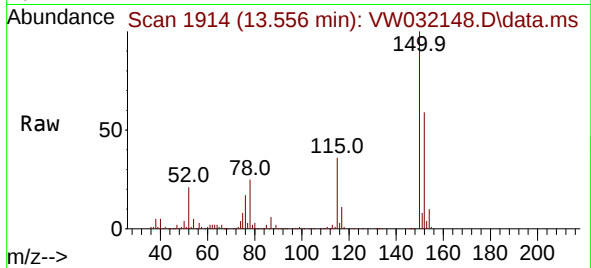




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032148.D
 Acq: 28 Aug 2025 10:38

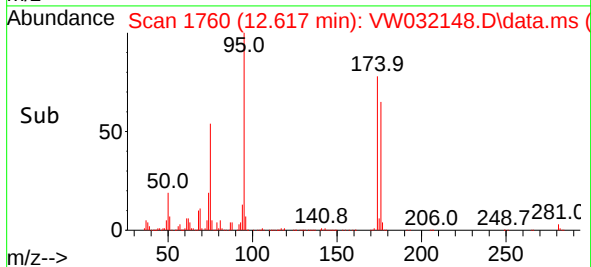
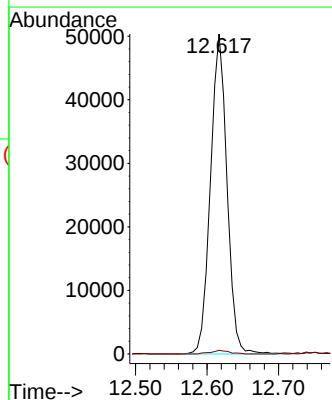
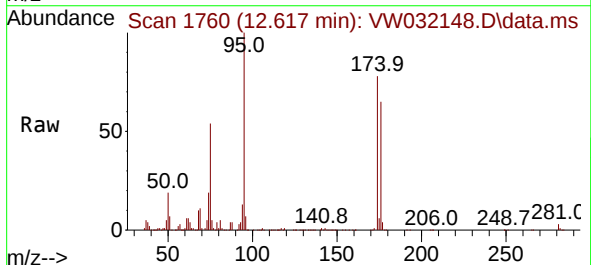
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

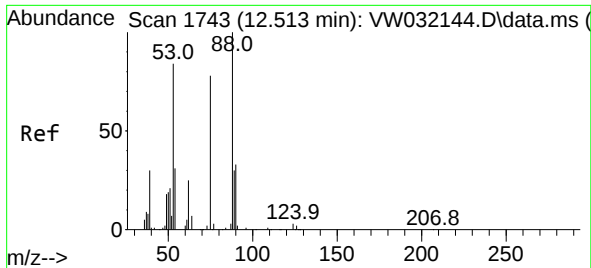
Tgt Ion:152 Resp: 164773
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.8 95.4
 150 160.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 39.069 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032148.D
 Acq: 28 Aug 2025 10:38

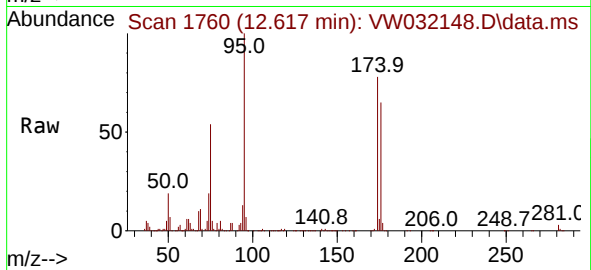
Tgt Ion: 75 Resp: 80649
 Ion Ratio Lower Upper
 75 100
 77 1.3 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.192 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032148.D
 Acq: 28 Aug 2025 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	91.0	136.6#
89	0.1	39.4	59.2#

