

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031880.D
 Acq On : 17 Jul 2025 10:53
 Operator : SY/MD
 Sample : VW0717SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

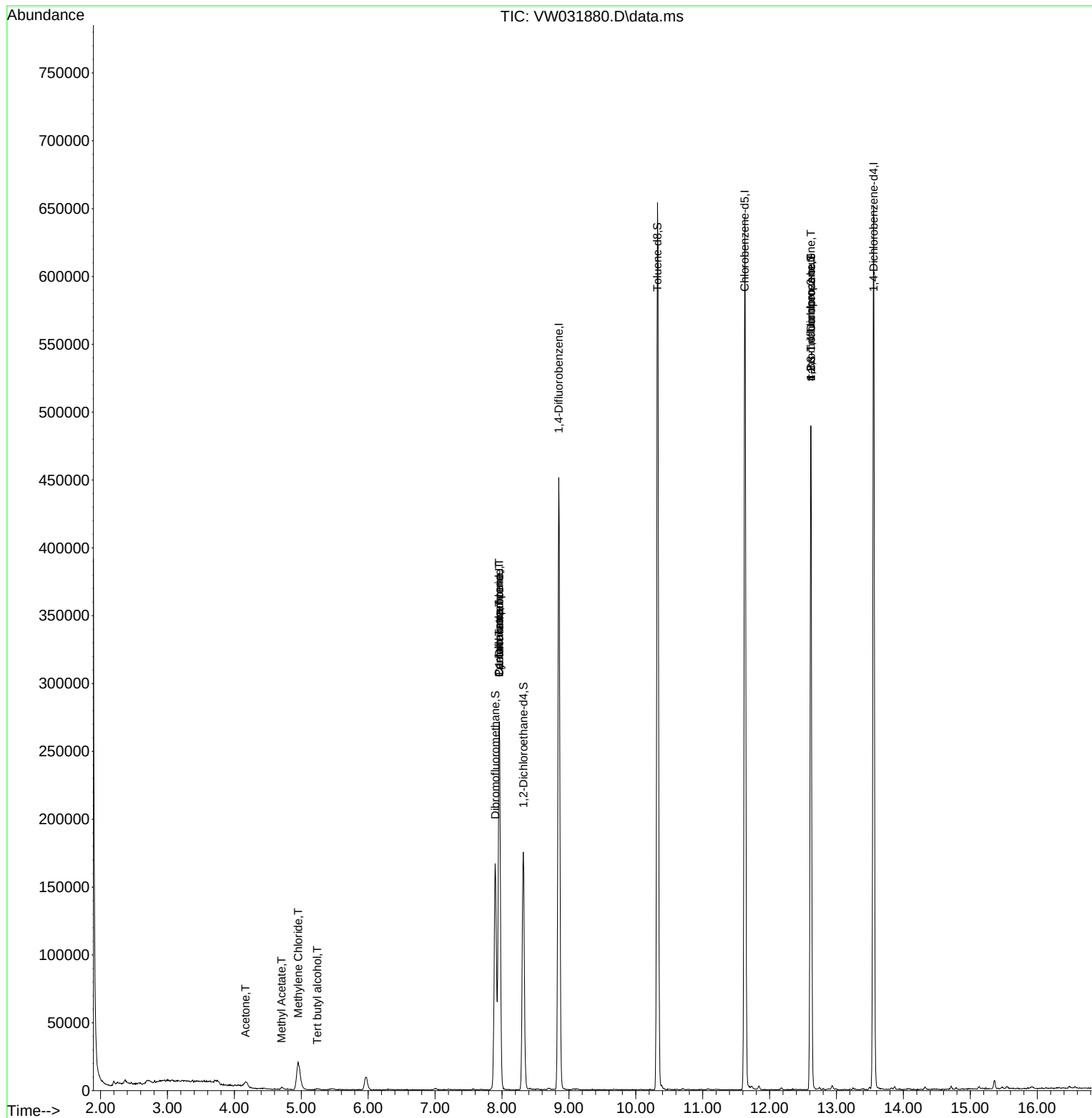
Internal Standards						
1) Pentafluorobenzene	7.959	168	189533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	380231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148563	54.619	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 109.240%		
35) Dibromofluoromethane	7.898	113	123183	49.647	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.300%		
50) Toluene-d8	10.325	98	444311	48.120	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.240%		
62) 4-Bromofluorobenzene	12.617	95	176733	52.012	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.240	59	212	1.258	ug/l #	69
16) Acetone	4.167	43	6176	9.186	ug/l #	86
18) Methyl Acetate	4.704	43	2705	1.408	ug/l #	71
20) Methylene Chloride	4.954	84	18834	2.861	ug/l	97
31) Cyclohexane	7.959	56	4953	1.279	ug/l #	32
36) 1,1-Dichloropropene	7.959	75	17522	4.880	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20596	5.629	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	93244	43.304	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	93244	100.861	ug/l #	8

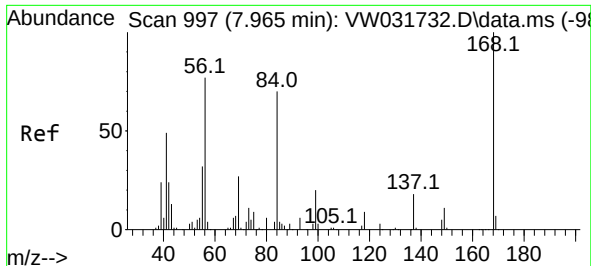
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

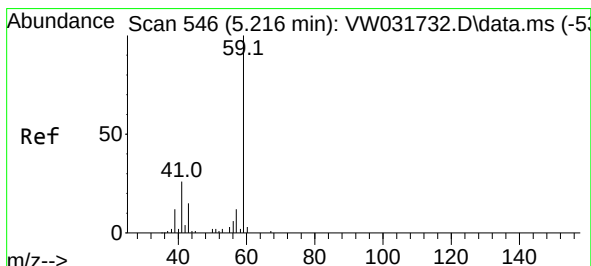
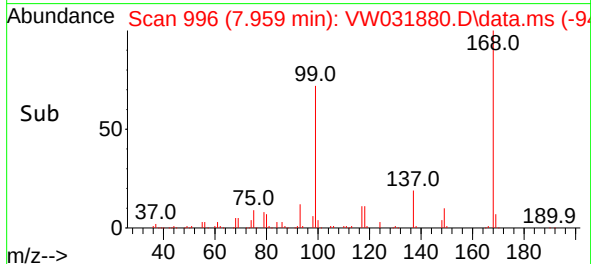
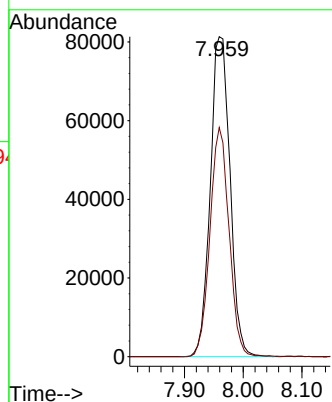
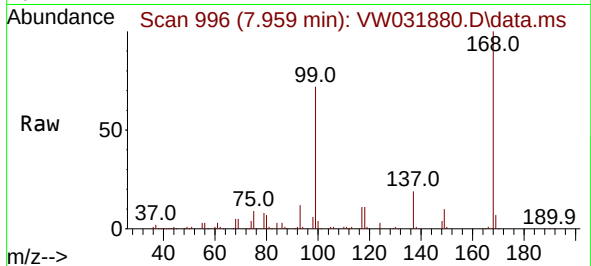




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

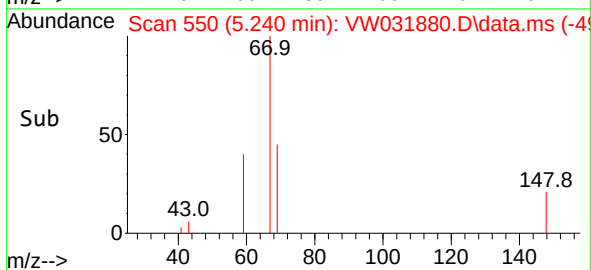
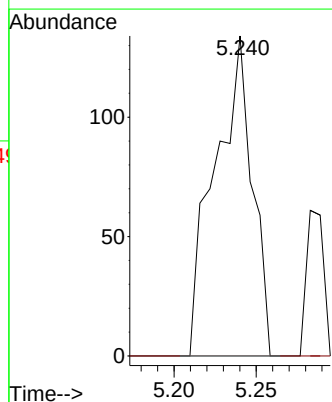
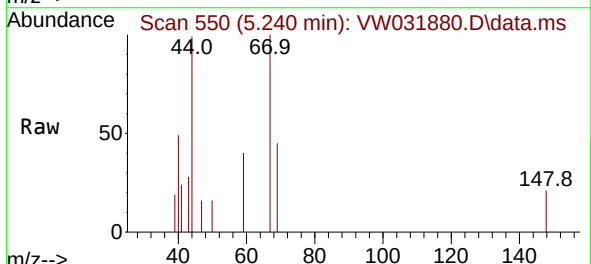
Instrument :
MSVOA_W
ClientSampleId :

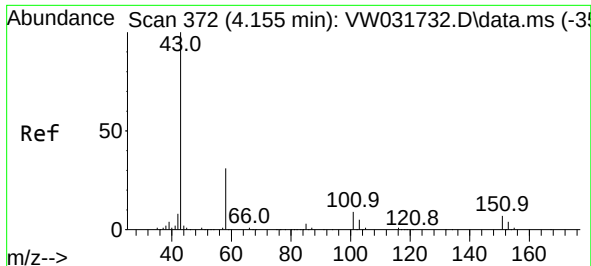
Tgt Ion:168 Resp: 189533
Ion Ratio Lower Upper
168 100
99 71.6 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.258 ug/l
RT: 5.240 min Scan# 550
Delta R.T. 0.025 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

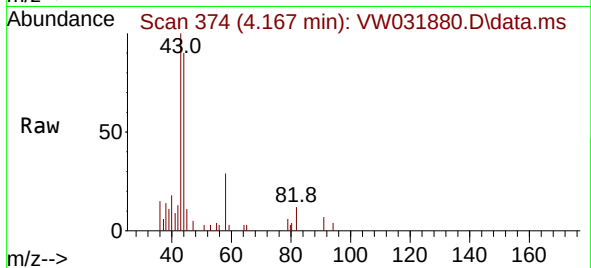
Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#



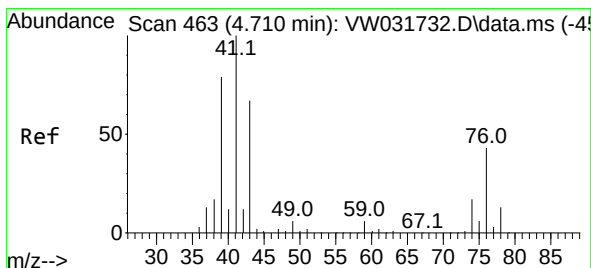
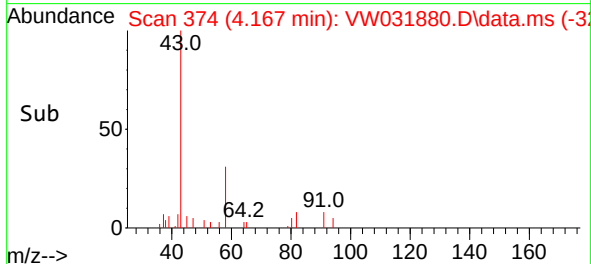
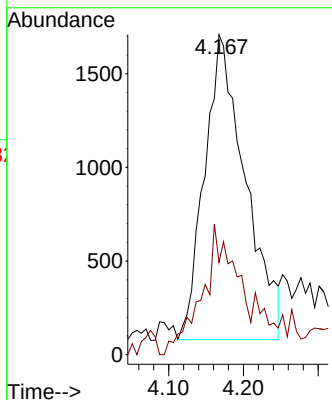


#16
Acetone
Concen: 9.186 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Instrument :
MSVOA_W
ClientSampleId :

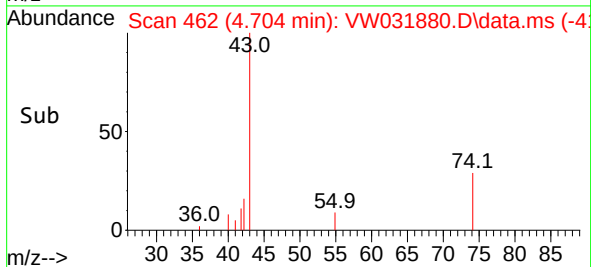
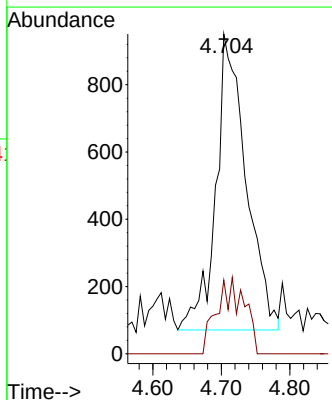
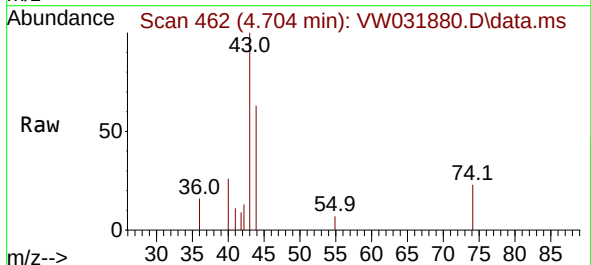


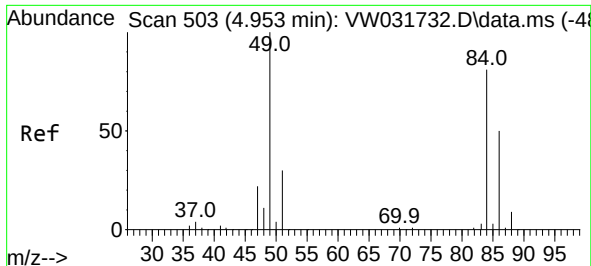
Tgt Ion: 43 Resp: 6176
Ion Ratio Lower Upper
43 100
58 23.5 24.8 37.2#



#18
Methyl Acetate
Concen: 1.408 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

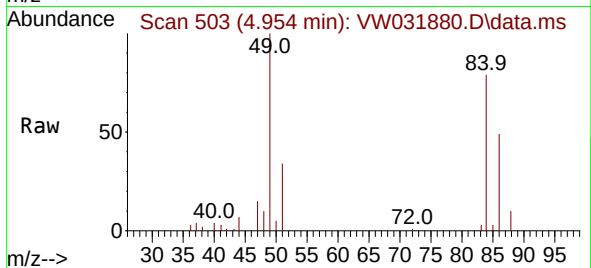
Tgt Ion: 43 Resp: 2705
Ion Ratio Lower Upper
43 100
74 10.8 20.6 30.8#



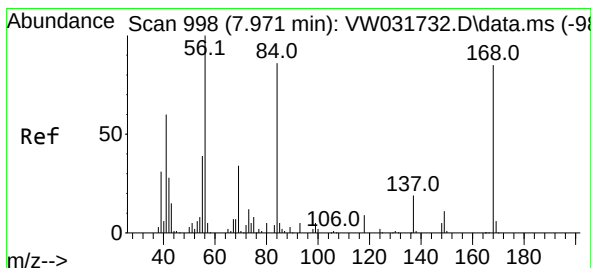
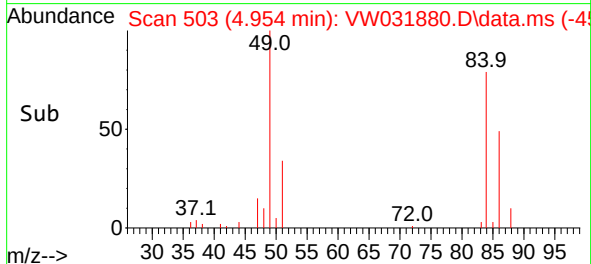
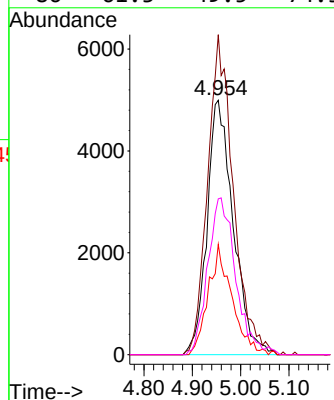


#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Instrument :
MSVOA_W
ClientSampleId :

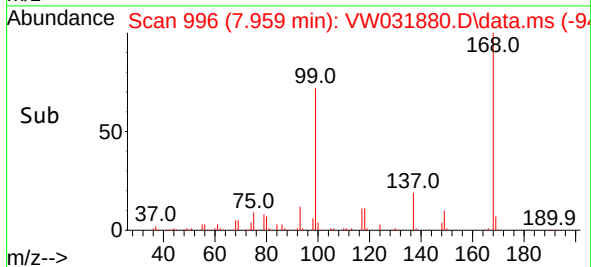
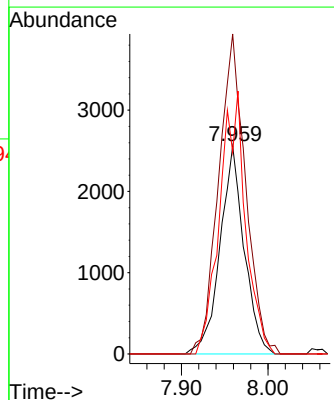
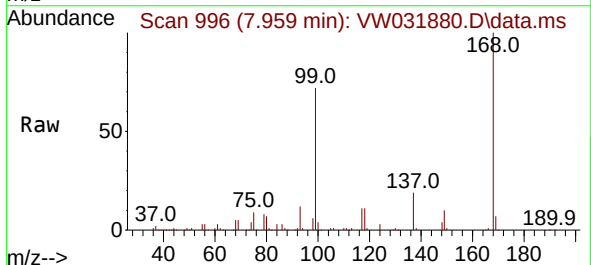


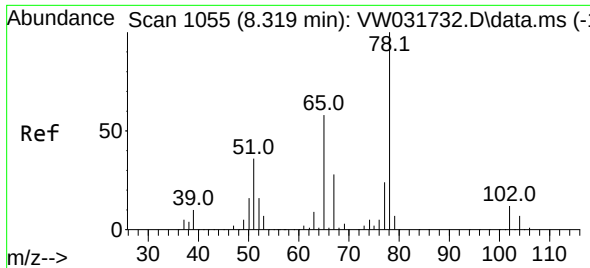
Tgt Ion:	84	Resp:	18834
Ion	Ratio	Lower	Upper
84	100		
49	125.8	98.2	147.4
51	43.4	29.8	44.8
86	61.3	49.5	74.3



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Tgt Ion:	56	Resp:	4953
Ion	Ratio	Lower	Upper
56	100		
69	153.9	27.2	40.8#
84	97.0	68.5	102.7

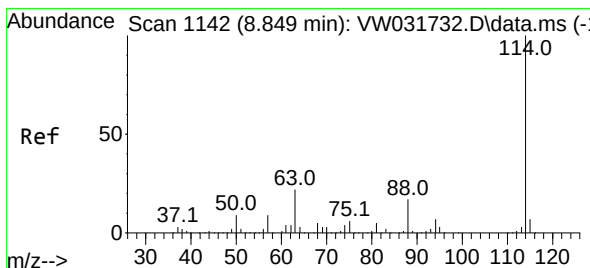
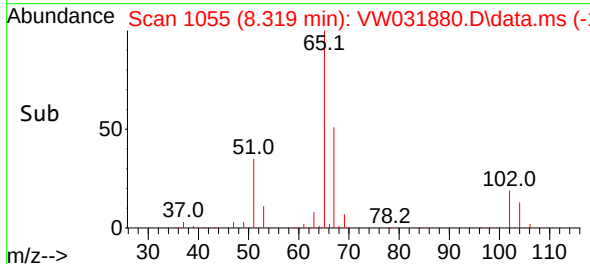
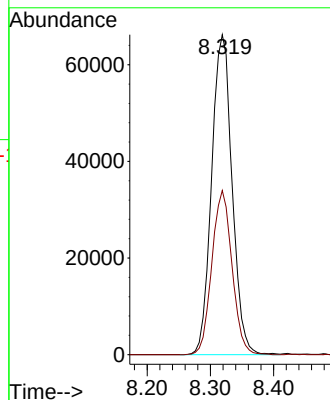
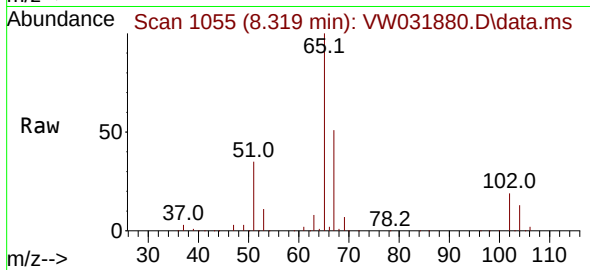




#33
 1,2-Dichloroethane-d4
 Concen: 54.619 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

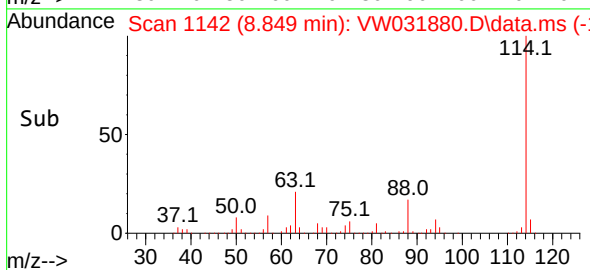
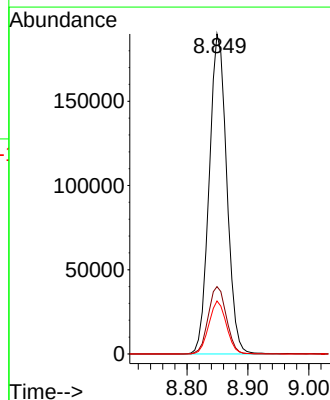
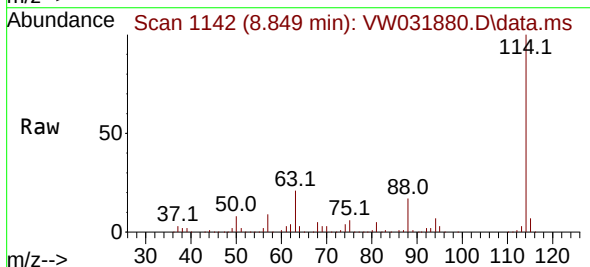
Instrument :
 MSVOA_W
 ClientSampleId :

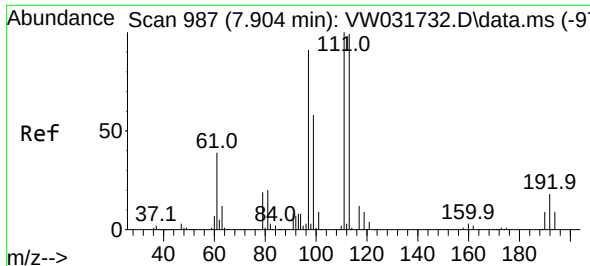
Tgt Ion: 65 Resp: 148563
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

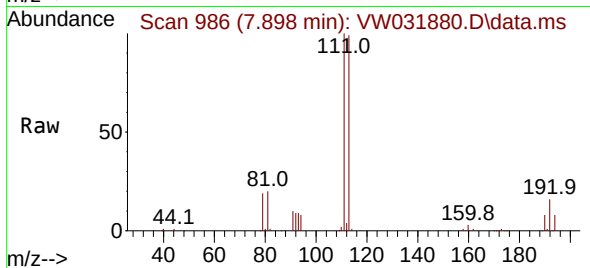
Tgt Ion: 114 Resp: 380231
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.6
 88 16.6 0.0 34.2





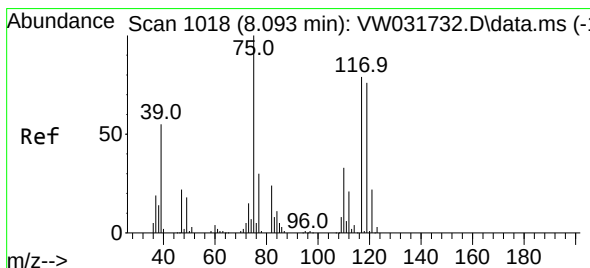
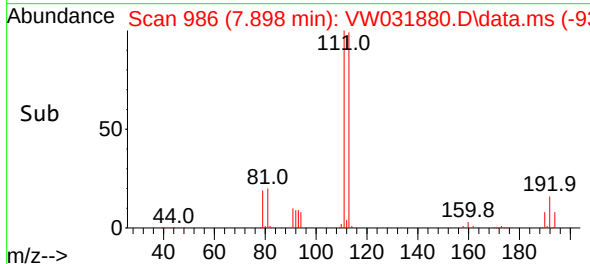
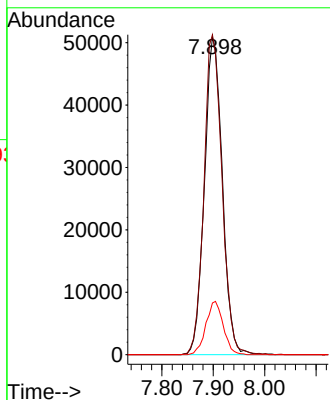
#35
 Dibromofluoromethane
 Concen: 49.647 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:113 Resp: 123183

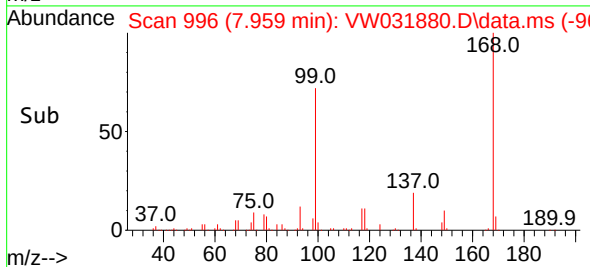
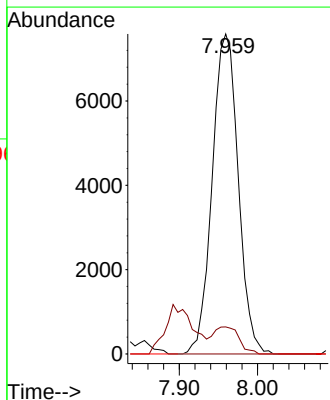
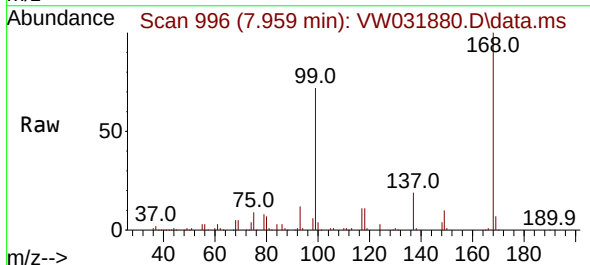
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.1	123.1
192	16.3	13.8	20.6

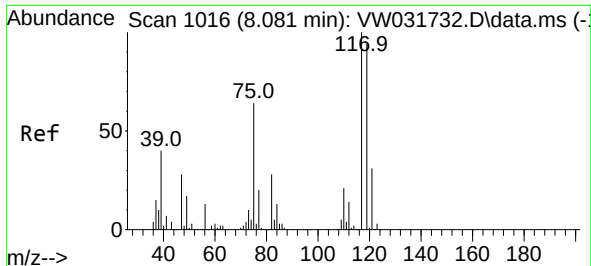


#36
 1,1-Dichloropropene
 Concen: 4.880 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

Tgt Ion: 75 Resp: 17522

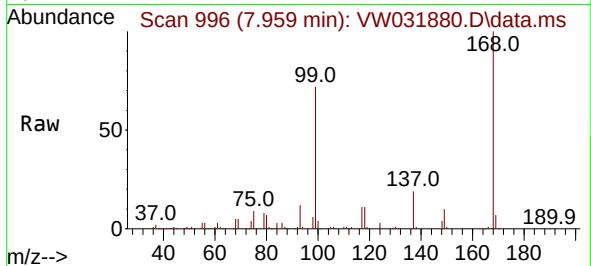
Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.8	50.4#
77	0.0	25.0	37.6#



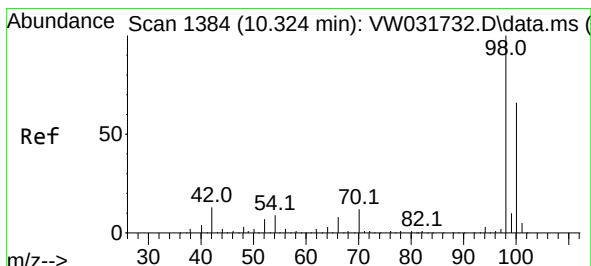
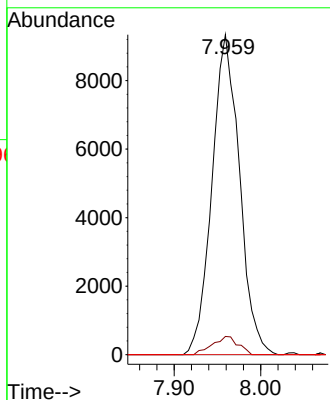
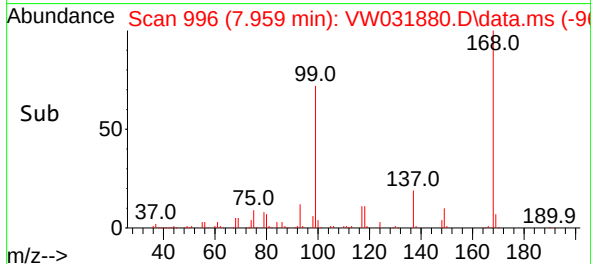


#38
Carbon Tetrachloride
Concen: 5.629 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

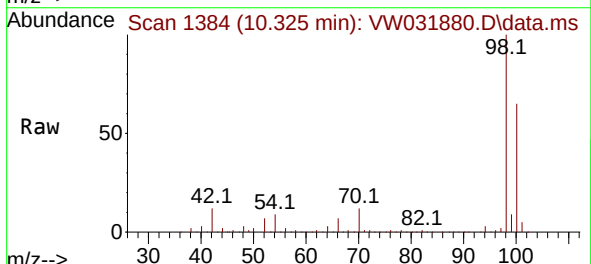
Instrument :
MSVOA_W
ClientSampleId :



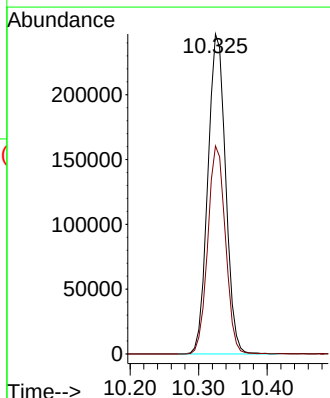
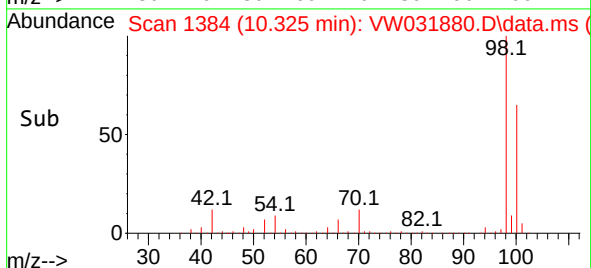
Tgt Ion:117 Resp: 20596
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 24.6 37.0#

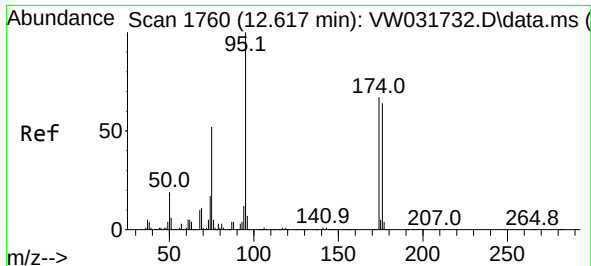


#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53



Tgt Ion: 98 Resp: 444311
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4

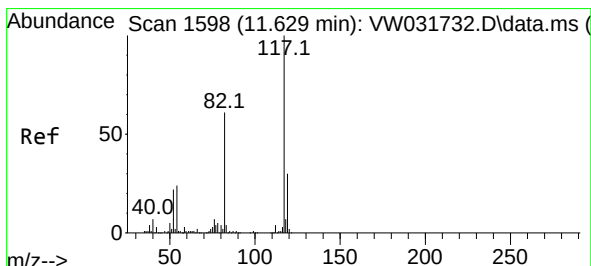
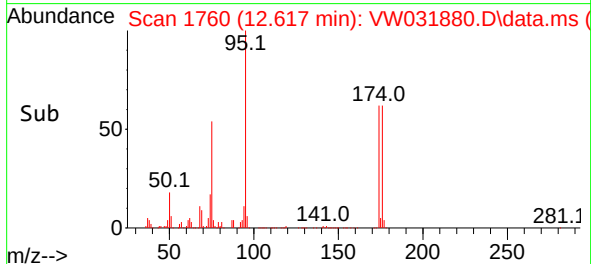
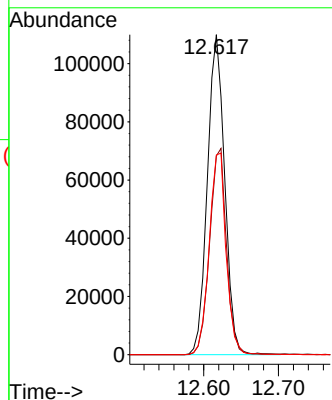
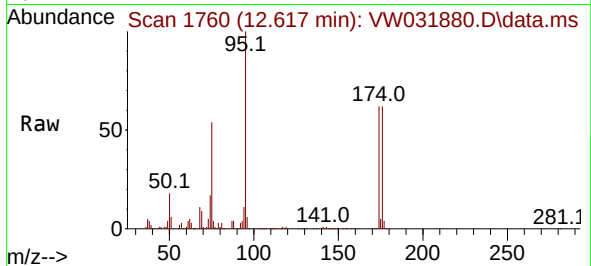




#62
4-Bromofluorobenzene
Concen: 52.012 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

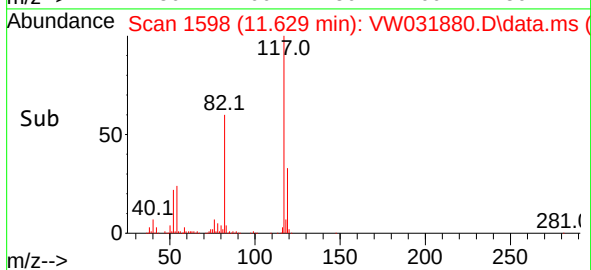
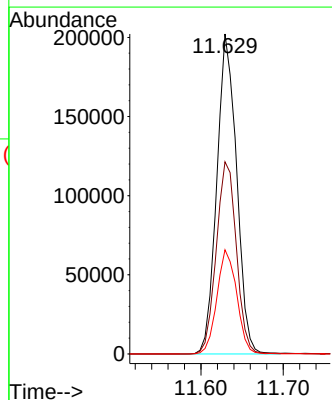
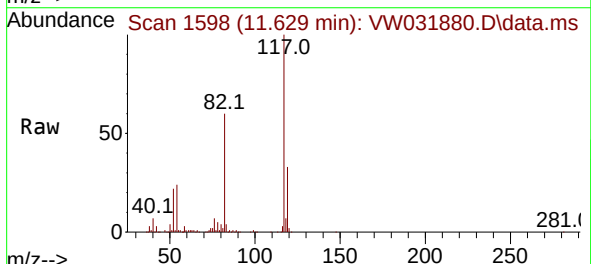
Instrument :
MSVOA_W
ClientSampleId :

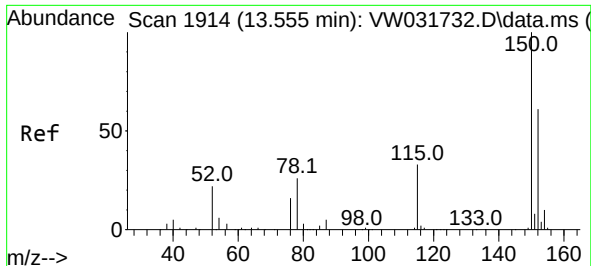
Tgt Ion: 95 Resp: 176733
Ion Ratio Lower Upper
95 100
174 62.7 0.0 133.8
176 61.8 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

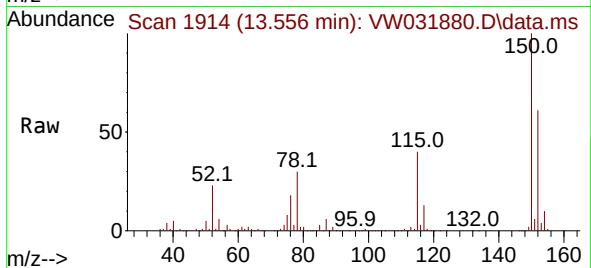
Tgt Ion: 117 Resp: 338341
Ion Ratio Lower Upper
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82 60.0 48.6 72.8
119 32.6 23.9 35.9



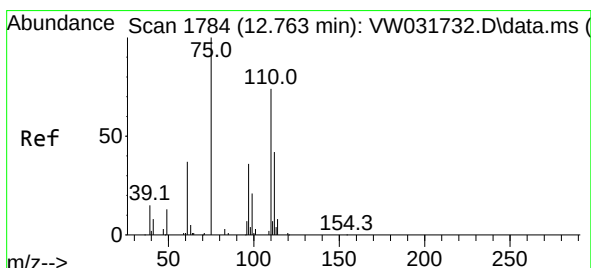
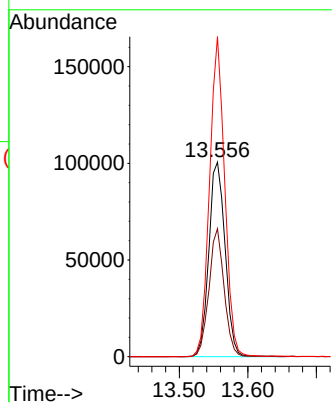
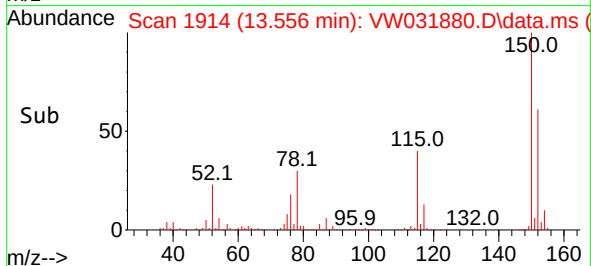


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

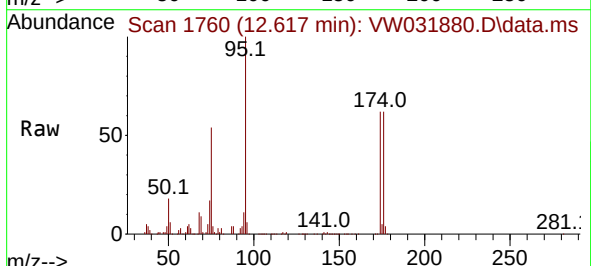
Instrument :
 MSVOA_W
 ClientSampleId :



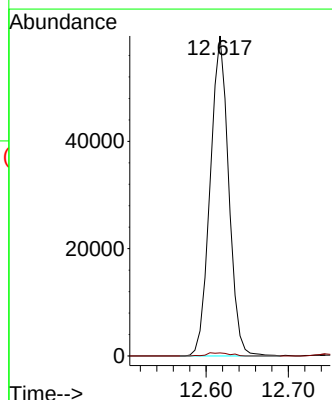
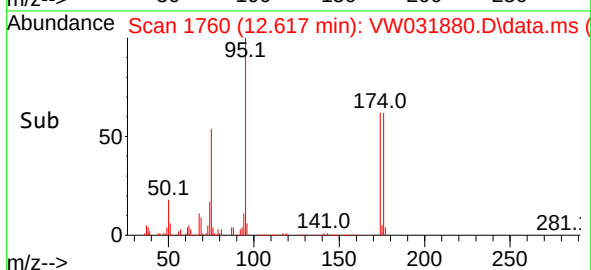
Tgt Ion:152 Resp: 166625
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.9 95.7
 150 152.8 0.0 356.4

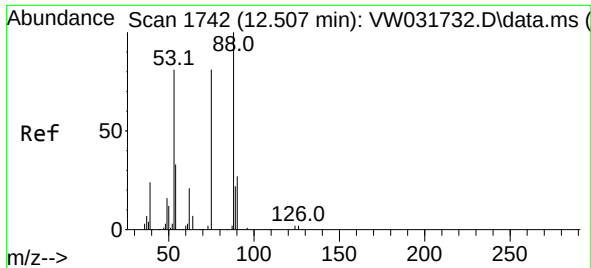


#76
 1,2,3-Trichloropropane
 Concen: 43.304 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53



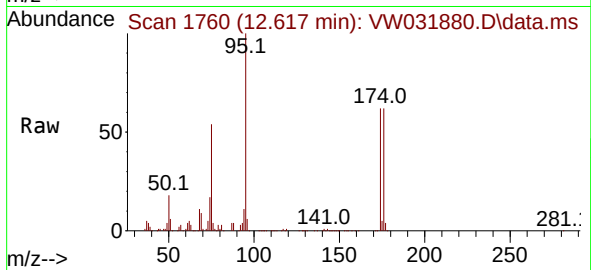
Tgt Ion: 75 Resp: 93244
 Ion Ratio Lower Upper
 75 100
 77 1.2 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.861 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 93244
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.5 125.3#
 89 0.0 38.3 57.5#

