

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031824.D
 Acq On : 11 Jul 2025 16:54
 Operator : SY/MD
 Sample : Q2537-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:51:01 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)

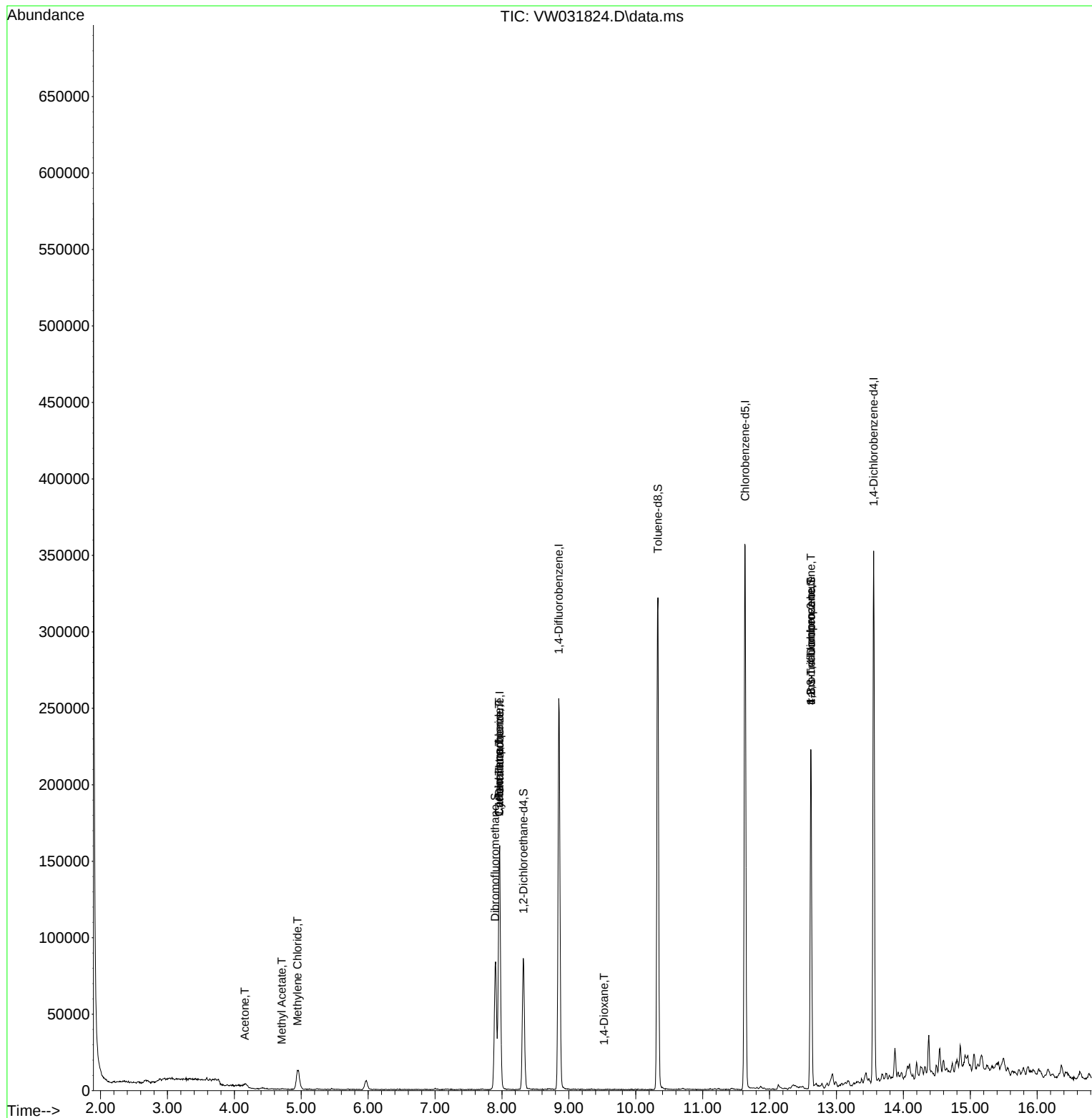
Internal Standards						
1) Pentafluorobenzene	7.965	168	102630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	210198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	195056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	84818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71508	48.551	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	97.100%	
35) Dibromofluoromethane	7.898	113	61962	45.174	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	90.340%	
50) Toluene-d8	10.331	98	217709	42.651	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	85.300%	
62) 4-Bromofluorobenzene	12.617	95	78988	42.050	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	84.100%	
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	2137	5.870	ug/l #	83
18) Methyl Acetate	4.710	43	1081	1.039	ug/l #	58
20) Methylene Chloride	4.942	84	10531	3.105	ug/l	95
31) Cyclohexane	7.959	56	3099	1.478	ug/l #	24
36) 1,1-Dichloropropene	7.959	75	10473	5.277	ug/l #	51
38) Carbon Tetrachloride	7.959	117	12509	6.185	ug/l #	18
49) 1,4-Dioxane	9.526	88	22	2.050	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	41650	37.999	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	41650	88.505	ug/l #	8

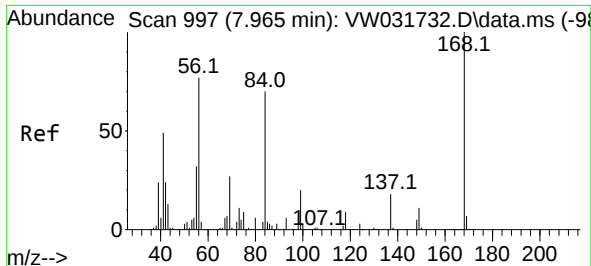
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031824.D
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Sample : Q2537-02
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
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Quant Time: Jul 11 22:51:01 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

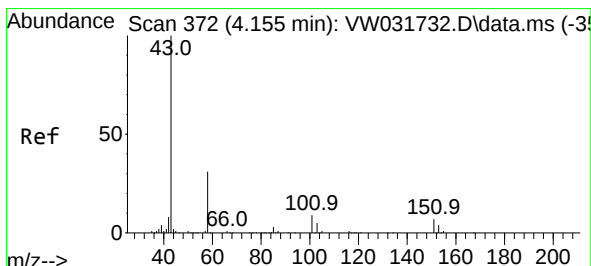
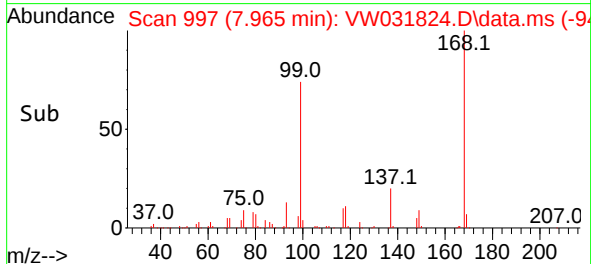
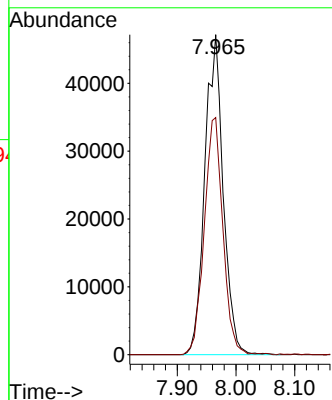
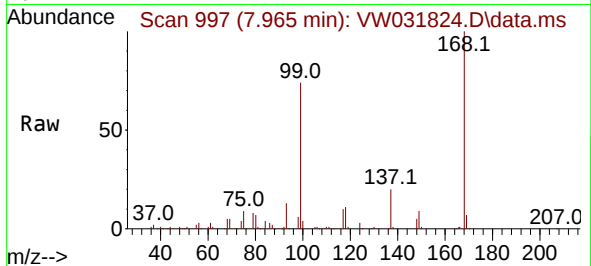




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

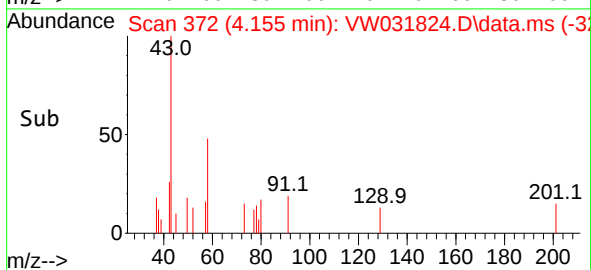
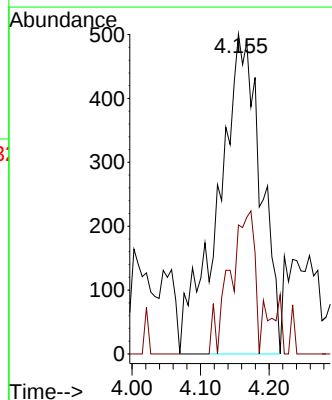
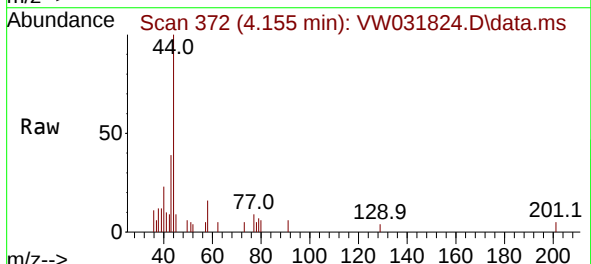
Instrument :
MSVOA_W
ClientSampleId :

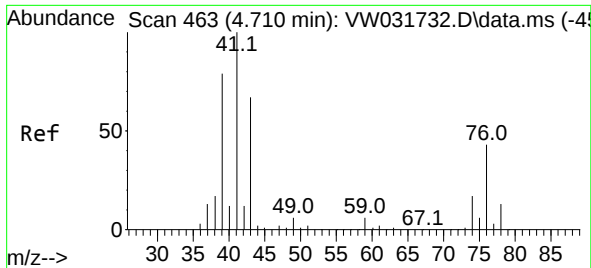
Tgt Ion:168 Resp: 102630
Ion Ratio Lower Upper
168 100
99 74.1 49.4 74.2



#16
Acetone
Concen: 5.870 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

Tgt Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
58 40.3 24.8 37.2#

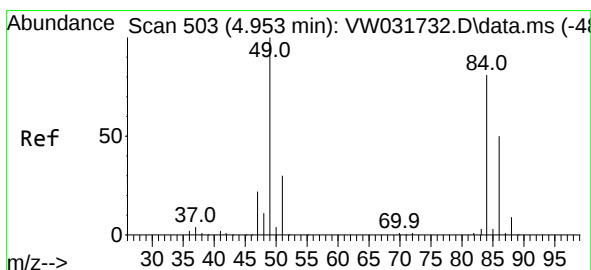
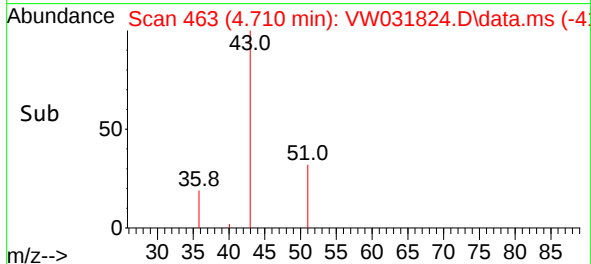
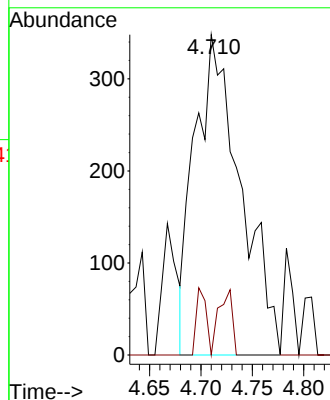
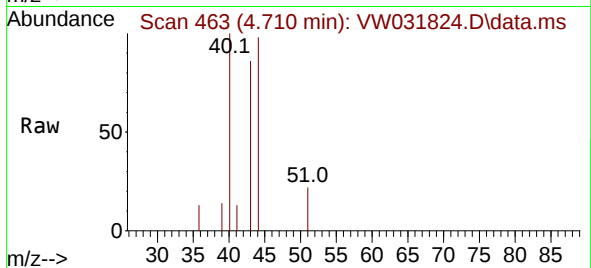




#18
Methyl Acetate
Concen: 1.039 ug/l
RT: 4.710 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

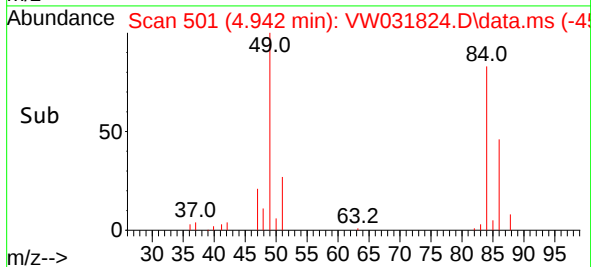
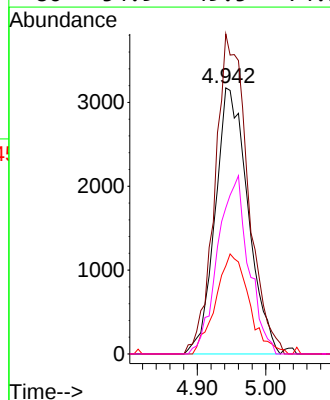
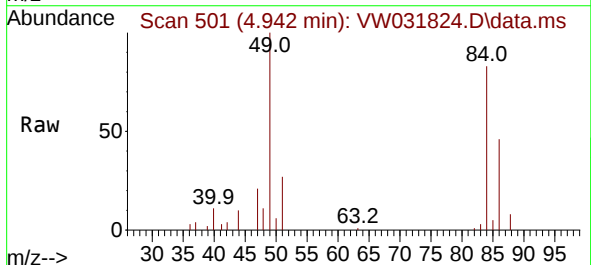
Instrument :
MSVOA_W
ClientSampleId :

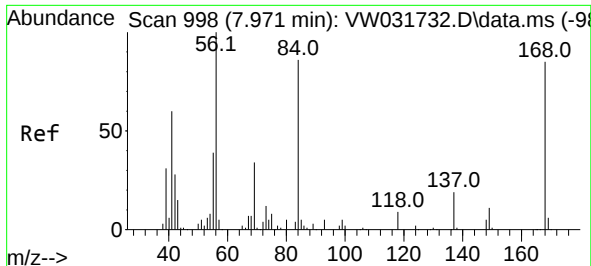
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
74 4.4 20.6 30.8#



#20
Methylene Chloride
Concen: 3.105 ug/l
RT: 4.942 min Scan# 501
Delta R.T. -0.012 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

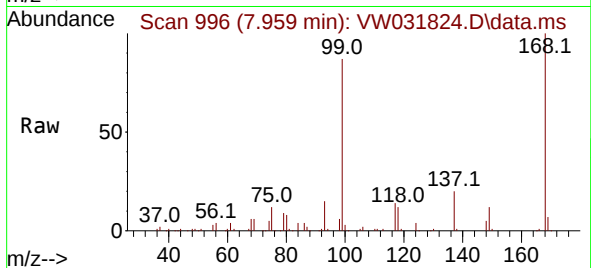
Tgt Ion: 84 Resp: 10531
Ion Ratio Lower Upper
84 100
49 120.2 98.2 147.4
51 33.0 29.8 44.8
86 54.9 49.5 74.3



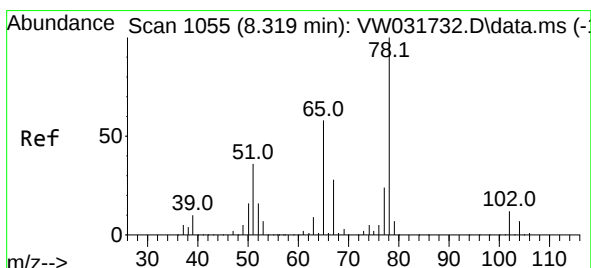
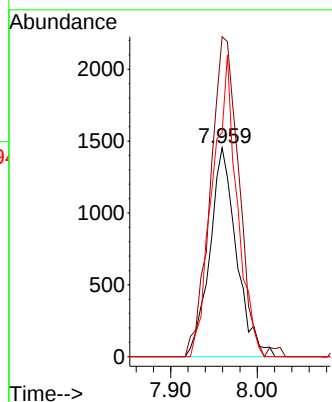
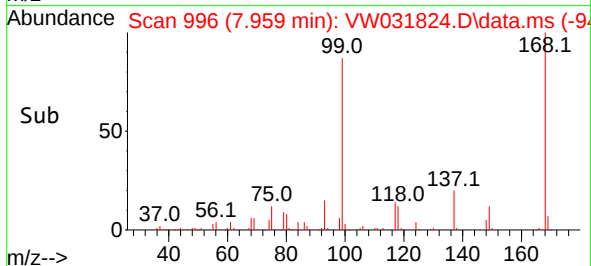


#31
Cyclohexane
Concen: 1.478 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

Instrument :
MSVOA_W
ClientSampleId :

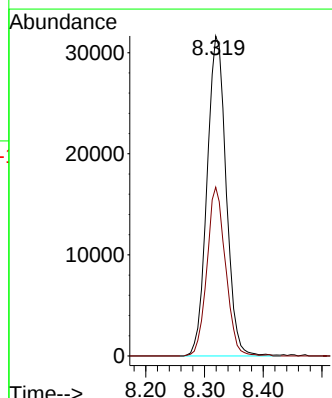
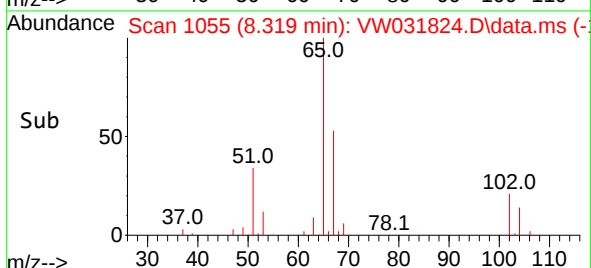
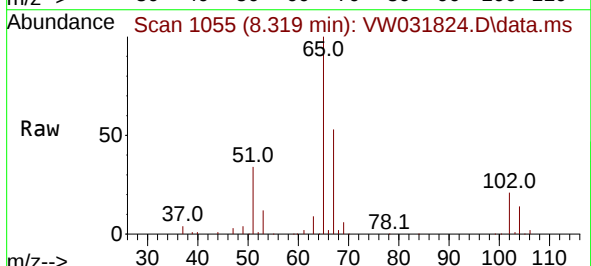


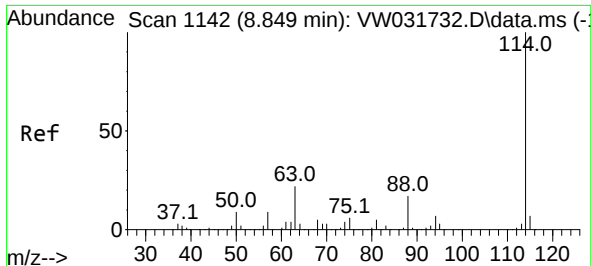
Tgt Ion: 56 Resp: 3099
Ion Ratio Lower Upper
56 100
69 153.2 27.2 40.8#
84 107.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.551 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

Tgt Ion: 65 Resp: 71508
Ion Ratio Lower Upper
65 100
67 51.2 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: VW031824.D

Acq: 11 Jul 2025 16:54

Instrument :

MSVOA_W

ClientSampleId :

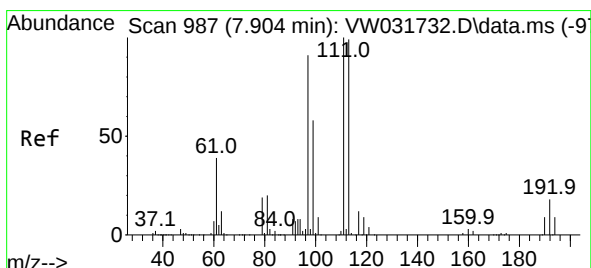
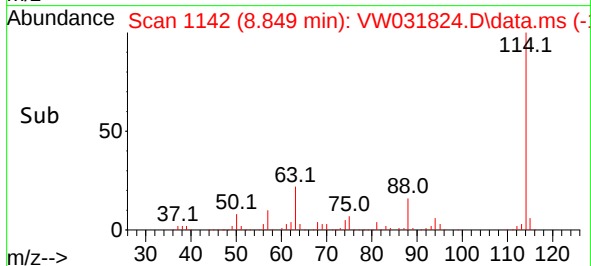
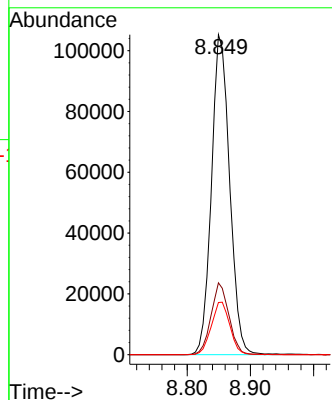
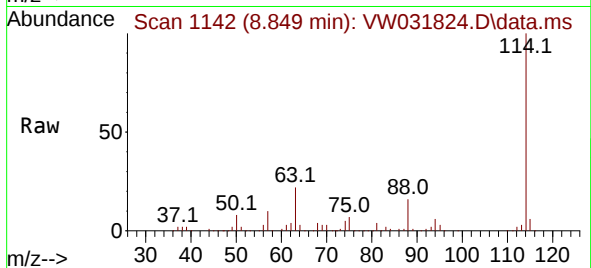
Tgt Ion:114 Resp: 210198

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.6

88 16.3 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.174 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031824.D

Acq: 11 Jul 2025 16:54

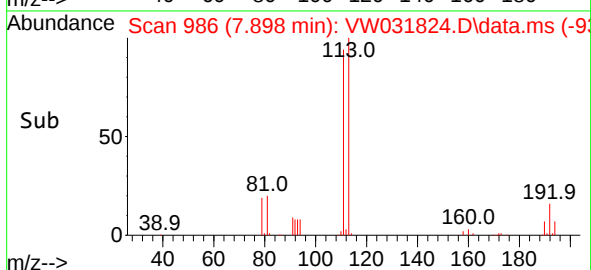
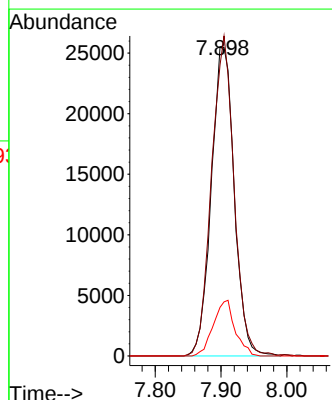
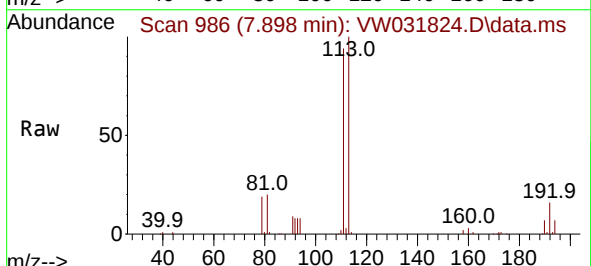
Tgt Ion:113 Resp: 61962

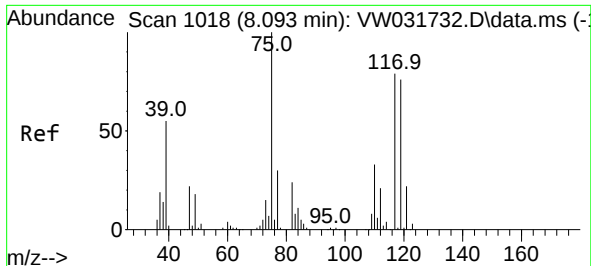
Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 17.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.277 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW031824.D

Acq: 11 Jul 2025 16:54

Instrument :

MSVOA_W

ClientSampleId :

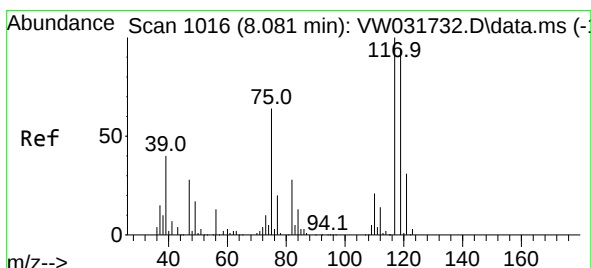
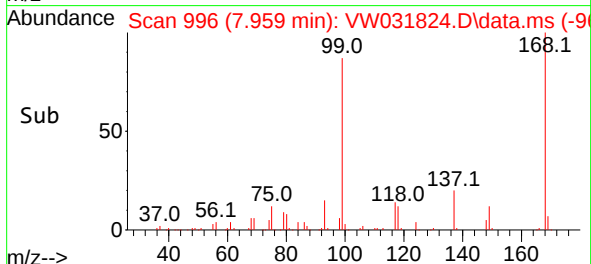
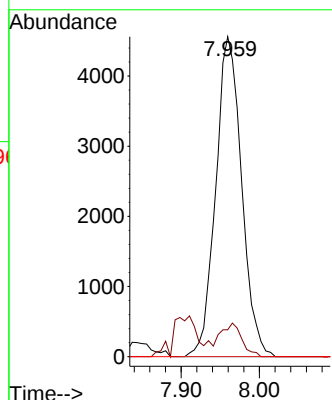
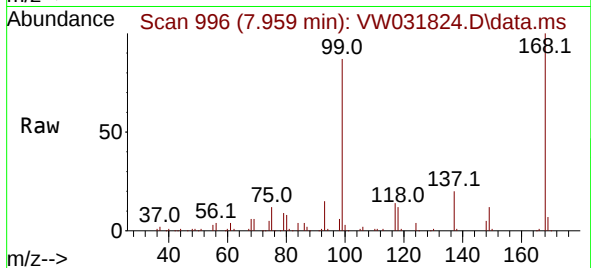
Tgt Ion: 75 Resp: 10473

Ion Ratio Lower Upper

75 100

110 9.9 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031824.D

Acq: 11 Jul 2025 16:54

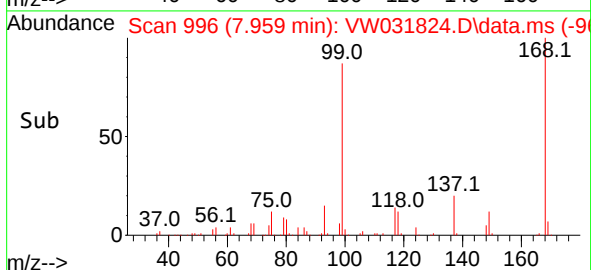
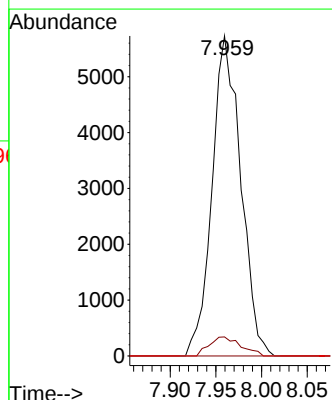
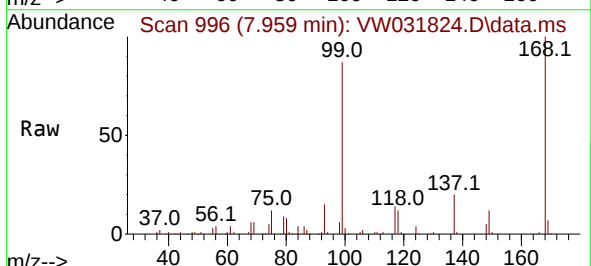
Tgt Ion: 117 Resp: 12509

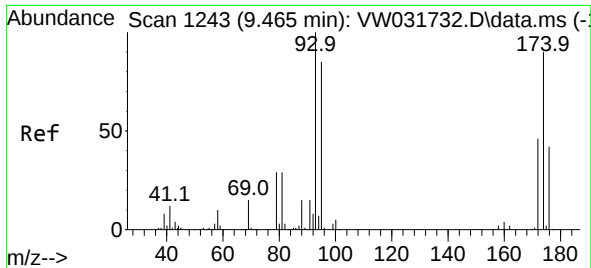
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

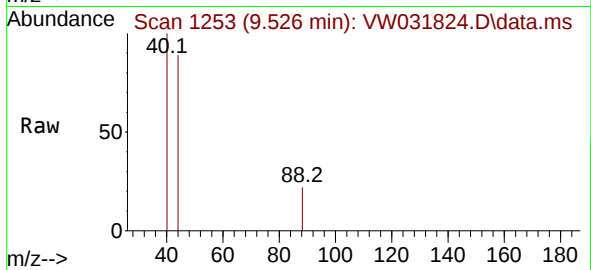
121 0.0 24.6 37.0#



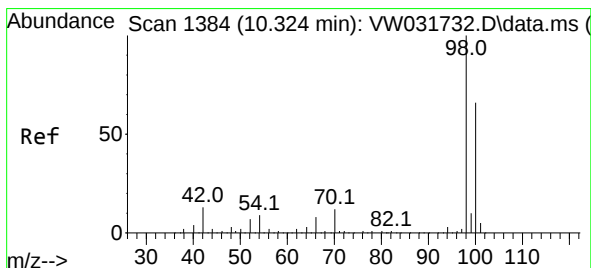
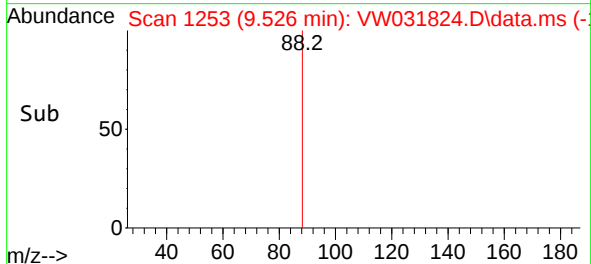
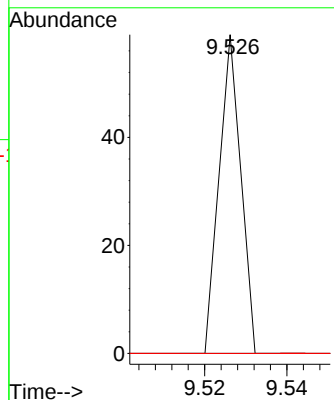


#49
 1,4-Dioxane
 Concen: 2.050 ug/l
 RT: 9.526 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VW031824.D
 Acq: 11 Jul 2025 16:54

Instrument :
 MSVOA_W
 ClientSampleId :

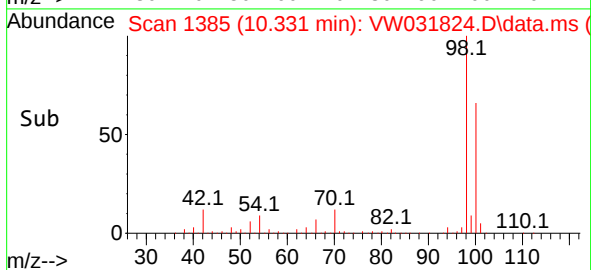
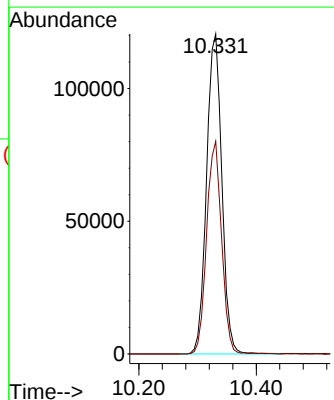
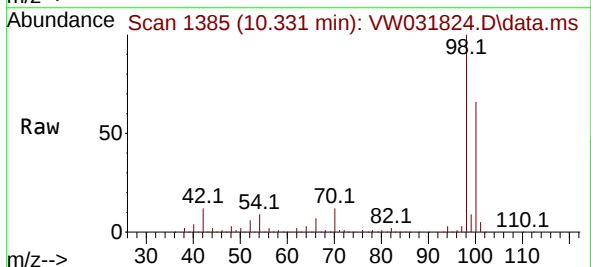


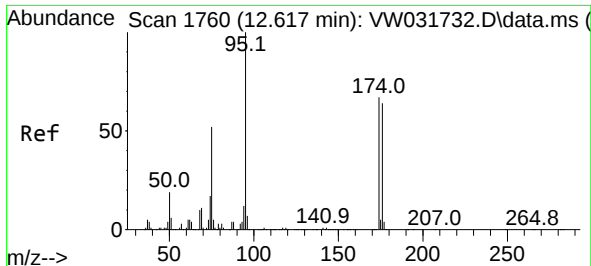
Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 0.0 58.3 87.5#



#50
 Toluene-d8
 Concen: 42.651 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.007 min
 Lab File: VW031824.D
 Acq: 11 Jul 2025 16:54

Tgt Ion: 98 Resp: 217709
 Ion Ratio Lower Upper
 98 100
 100 65.0 53.0 79.4

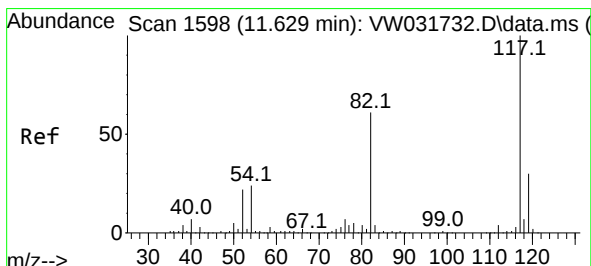
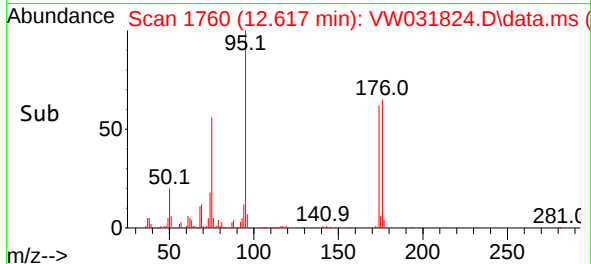
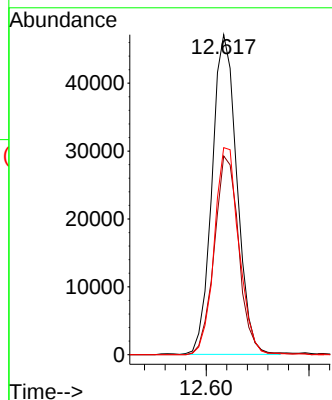
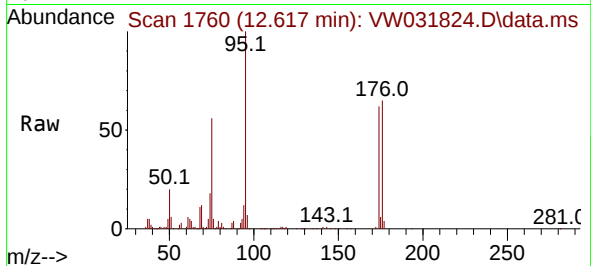




#62
4-Bromofluorobenzene
Concen: 42.050 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

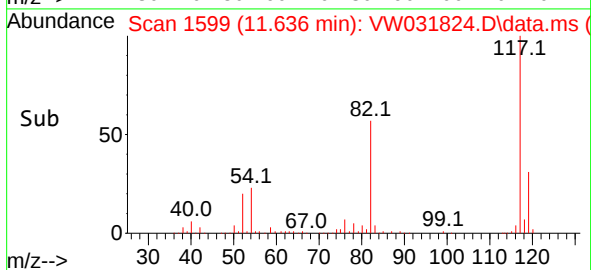
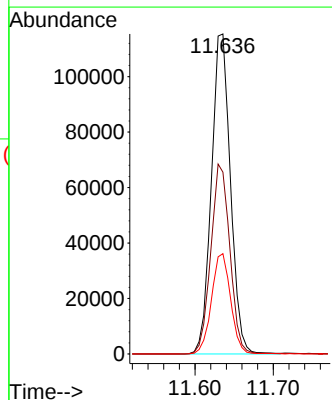
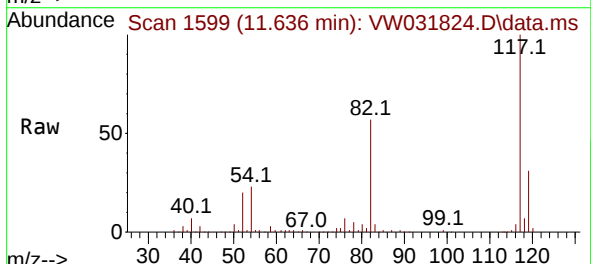
Instrument :
MSVOA_W
ClientSampleId :

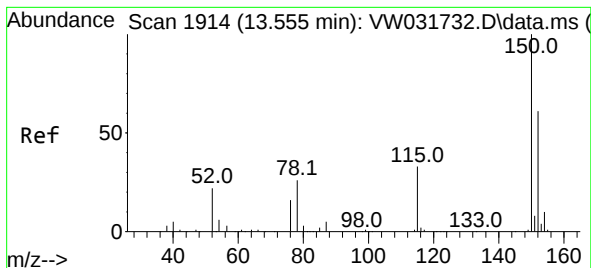
Tgt Ion: 95 Resp: 78988
Ion Ratio Lower Upper
95 100
174 61.7 0.0 133.8
176 64.4 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.007 min
Lab File: VW031824.D
Acq: 11 Jul 2025 16:54

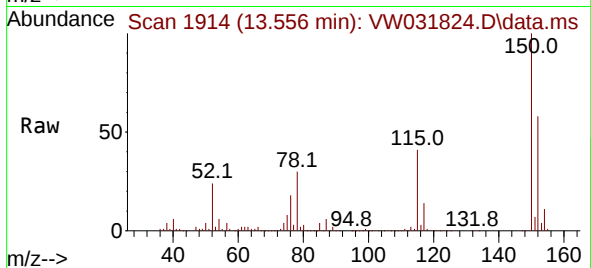
Tgt Ion: 117 Resp: 195056
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 31.3 23.9 35.9



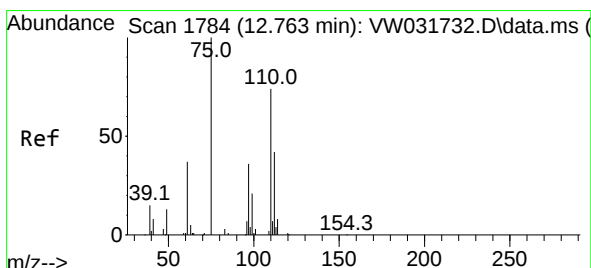
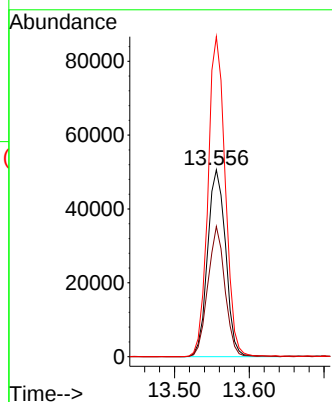
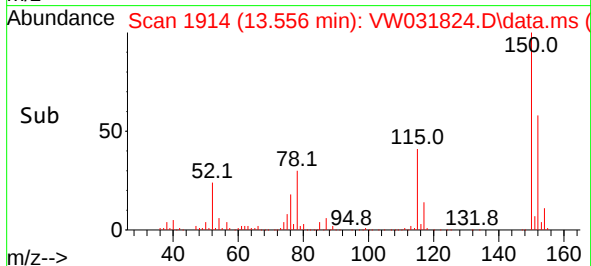


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031824.D
 Acq: 11 Jul 2025 16:54

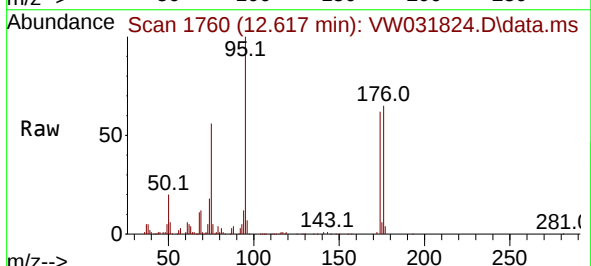
Instrument :
 MSVOA_W
 ClientSampleId :



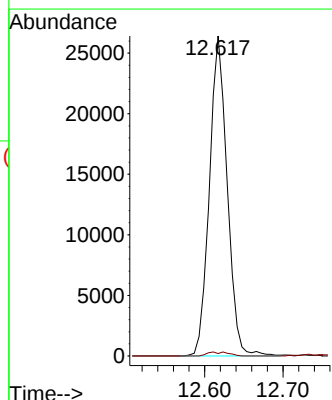
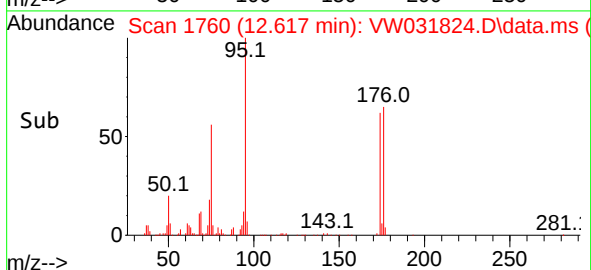
Tgt Ion:152 Resp: 84818
 Ion Ratio Lower Upper
 152 100
 115 66.0 31.9 95.7
 150 163.9 0.0 356.4

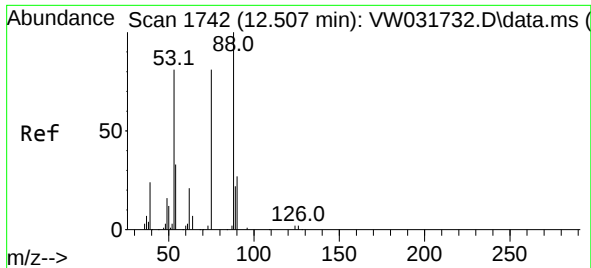


#76
 1,2,3-Trichloropropane
 Concen: 37.999 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031824.D
 Acq: 11 Jul 2025 16:54



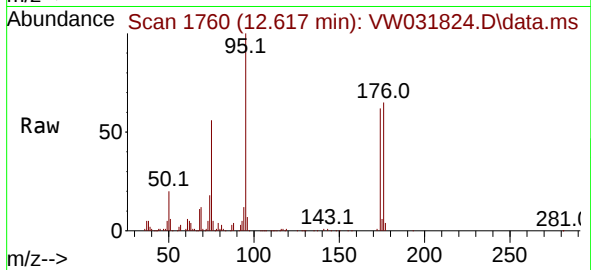
Tgt Ion: 75 Resp: 41650
 Ion Ratio Lower Upper
 75 100
 77 1.4 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.505 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031824.D
 Acq: 11 Jul 2025 16:54

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	83.5	125.3#
89	0.2	38.3	57.5#

