

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031831.D
 Acq On : 11 Jul 2025 19:28
 Operator : SY/MD
 Sample : Q2580-01
 Misc : 5.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:53:44 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	194384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	385504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	362157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168181	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139617	50.049	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	100.100%	
35) Dibromofluoromethane	7.904	113	114912	45.680	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	91.360%	
50) Toluene-d8	10.331	98	424647	45.361	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	90.720%	
62) 4-Bromofluorobenzene	12.617	95	172270	50.005	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	100.020%	

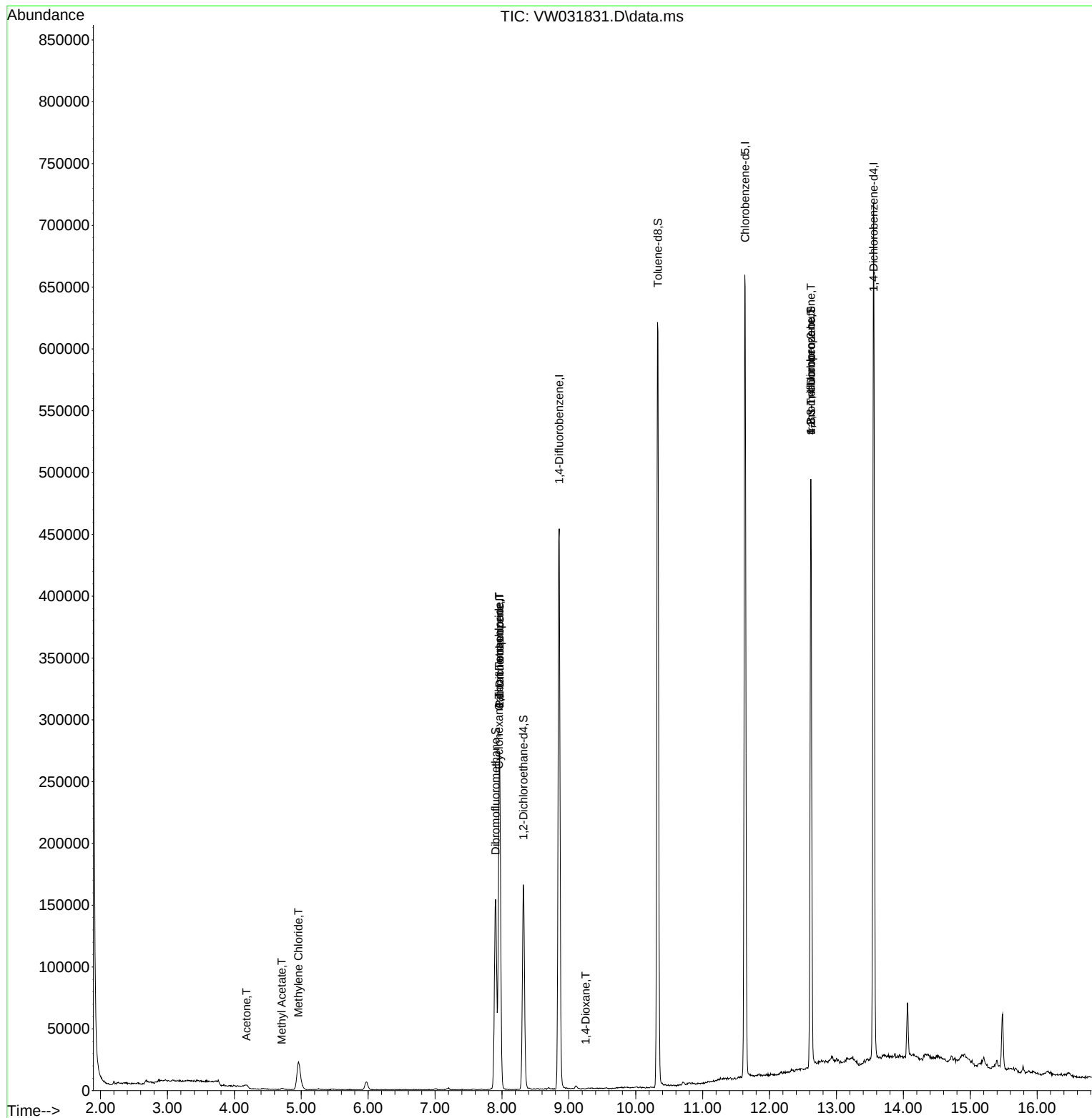
Target Compounds						Qvalue
16) Acetone	4.180	43	2110	3.060	ug/l	91
18) Methyl Acetate	4.710	43	2036	1.033	ug/l #	72
20) Methylene Chloride	4.960	84	21186	3.586	ug/l	97
31) Cyclohexane	7.953	56	4834	1.217	ug/l #	27
36) 1,1-Dichloropropene	7.965	75	18121	4.978	ug/l #	51
38) Carbon Tetrachloride	7.959	117	22120	5.963	ug/l #	17
49) 1,4-Dioxane	9.252	88	22	1.118	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	90306	41.551	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	90306	96.779	ug/l #	8

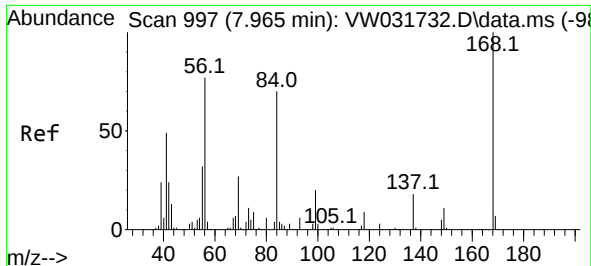
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031831.D
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Instrument :
MSVOA_W
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Quant Time: Jul 11 22:53:44 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

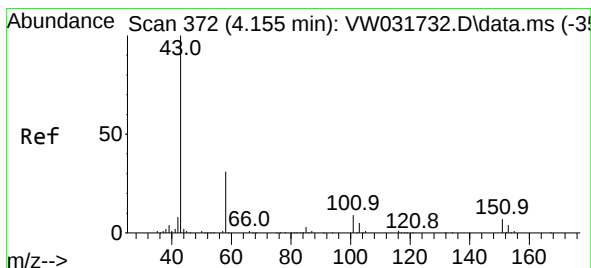
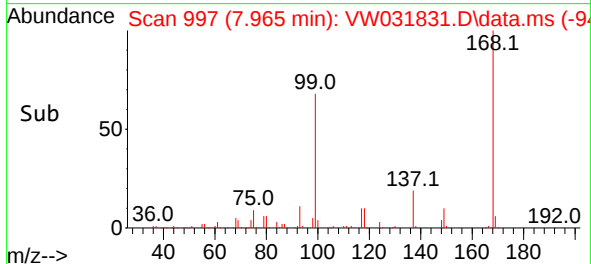
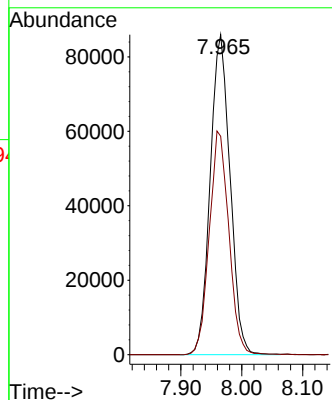
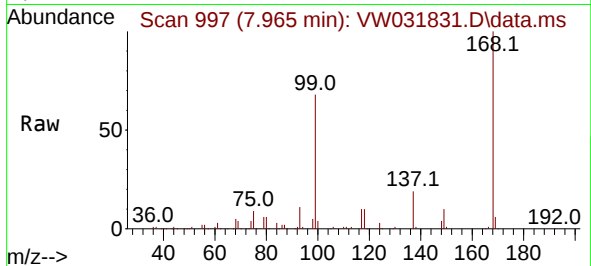




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

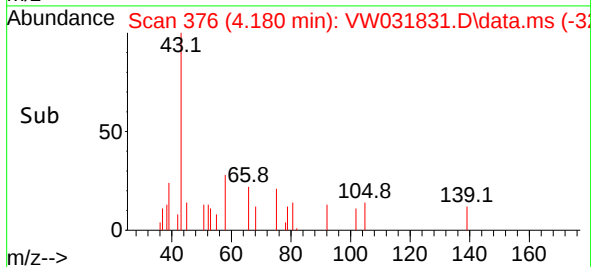
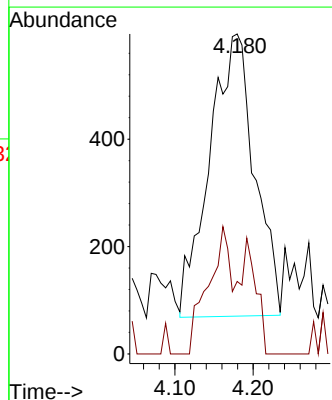
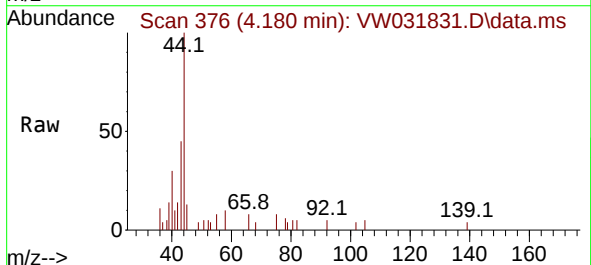
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MSVOA_W
ClientSampleId :

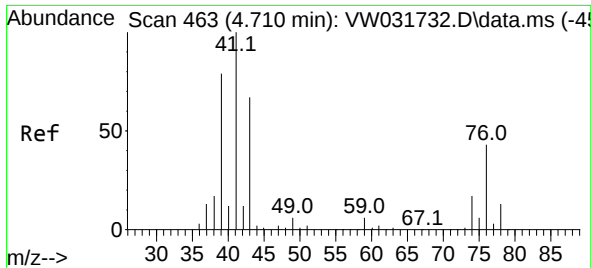
Tgt Ion:168 Resp: 194384
Ion Ratio Lower Upper
168 100
99 68.3 49.4 74.2



#16
Acetone
Concen: 3.060 ug/l
RT: 4.180 min Scan# 376
Delta R.T. 0.025 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion: 43 Resp: 2110
Ion Ratio Lower Upper
43 100
58 26.0 24.8 37.2

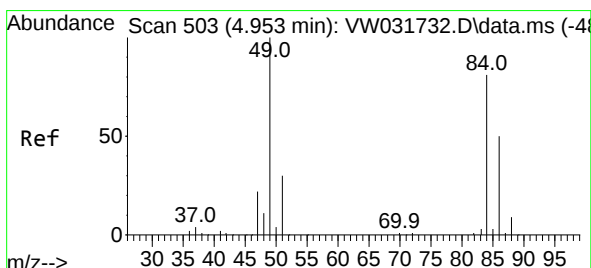
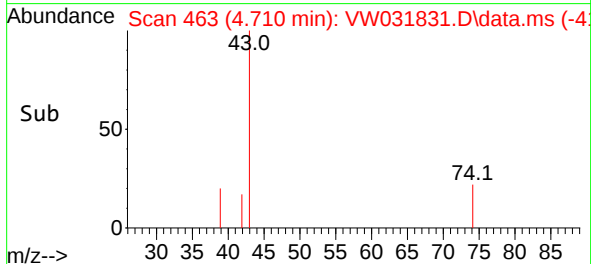
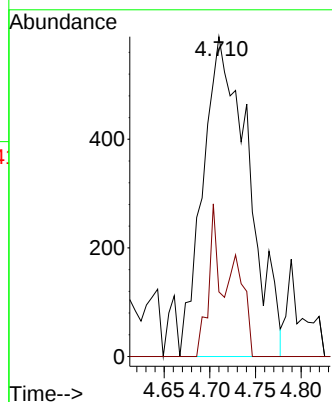
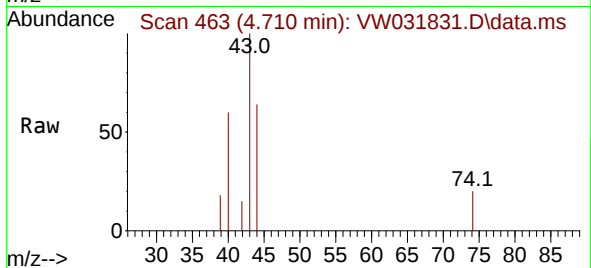




#18
Methyl Acetate
Concen: 1.033 ug/l
RT: 4.710 min Scan# 418
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

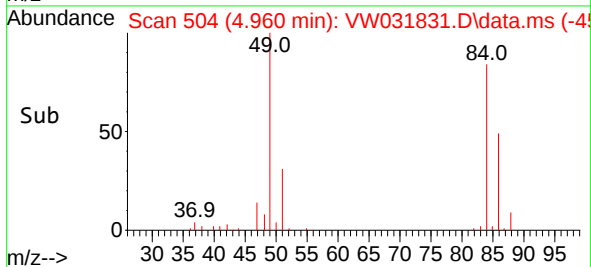
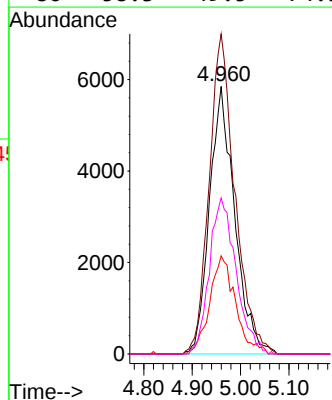
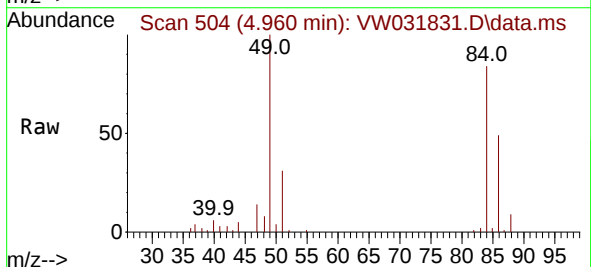
Instrument :
MSVOA_W
ClientSampleId :

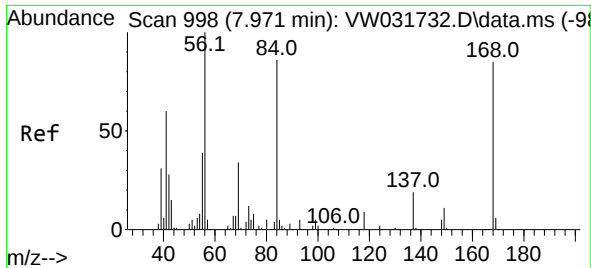
Tgt Ion: 43 Resp: 2036
Ion Ratio Lower Upper
43 100
74 11.7 20.6 30.8#



#20
Methylene Chloride
Concen: 3.586 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.007 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

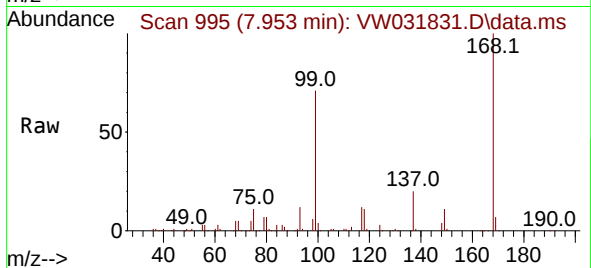
Tgt Ion: 84 Resp: 21186
Ion Ratio Lower Upper
84 100
49 119.6 98.2 147.4
51 36.7 29.8 44.8
86 58.3 49.5 74.3



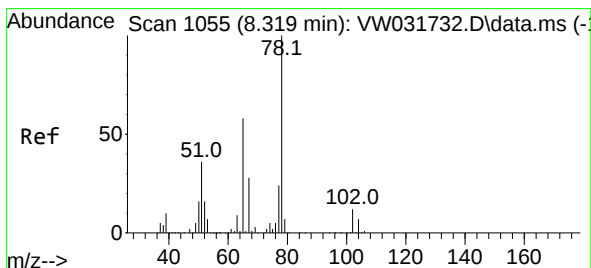
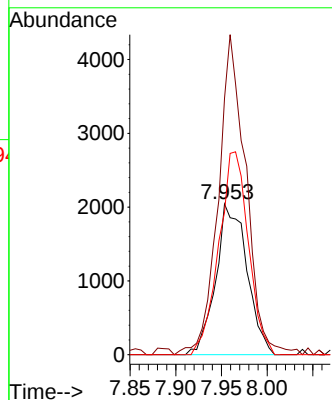
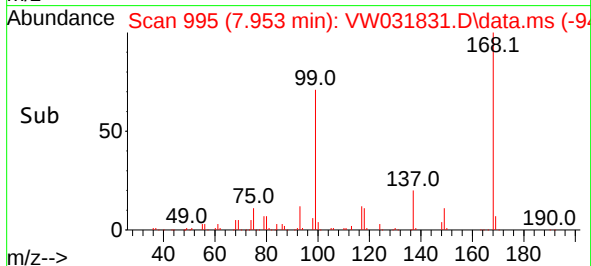


#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Instrument :
MSVOA_W
ClientSampleId :

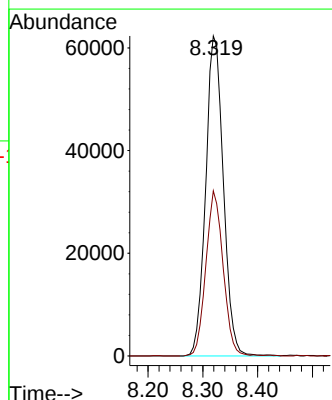
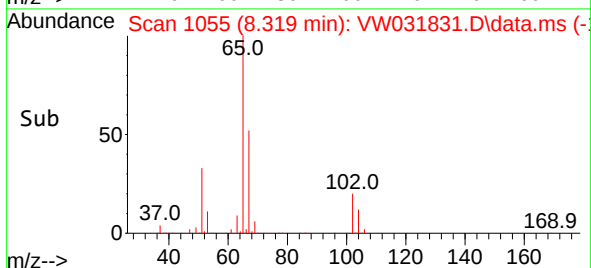
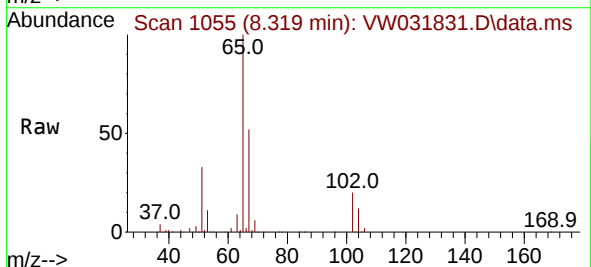


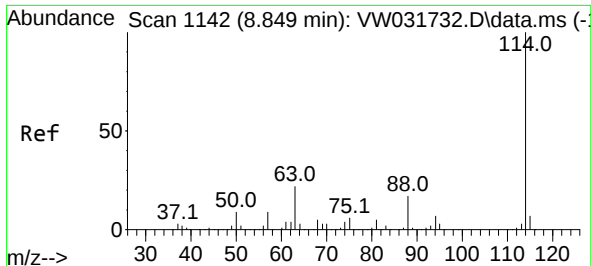
Tgt Ion: 56 Resp: 4834
Ion Ratio Lower Upper
56 100
69 167.4 27.2 40.8#
84 94.5 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion: 65 Resp: 139617
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

Instrument :

MSVOA_W

ClientSampleId :

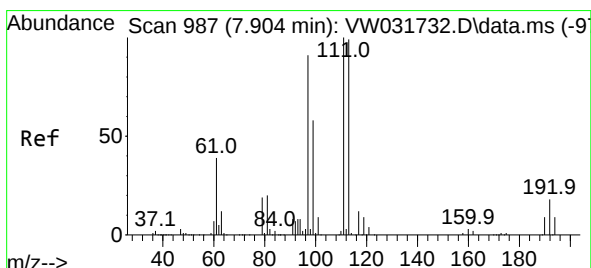
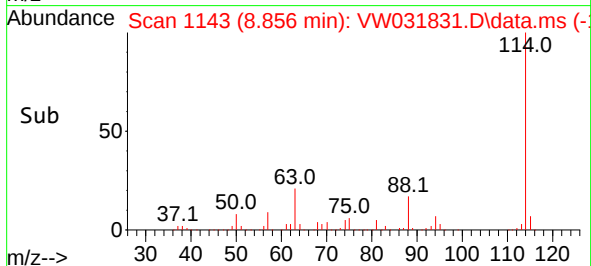
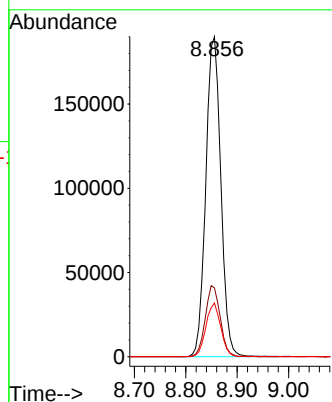
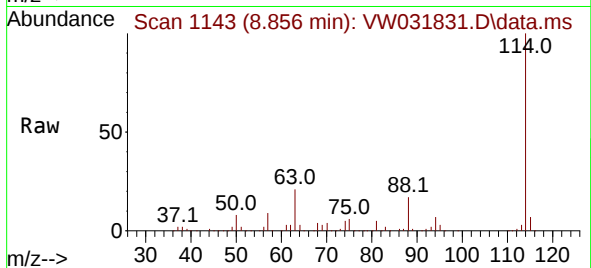
Tgt Ion:114 Resp: 385504

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

88 16.8 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.680 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

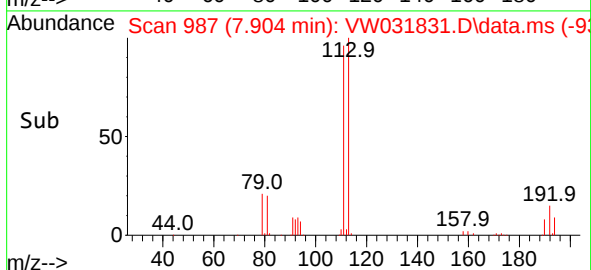
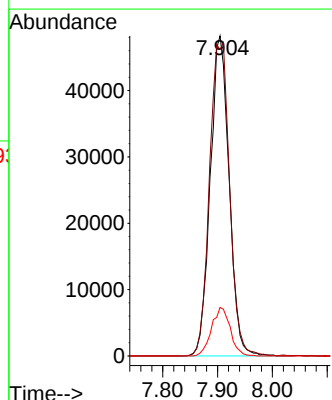
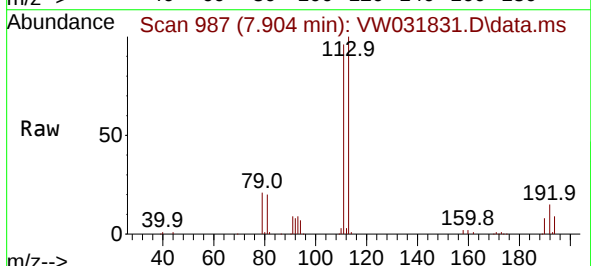
Tgt Ion:113 Resp: 114912

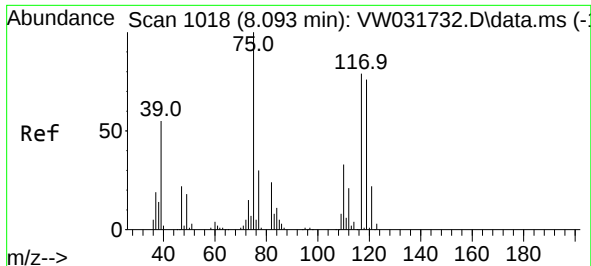
Ion Ratio Lower Upper

113 100

111 104.4 82.1 123.1

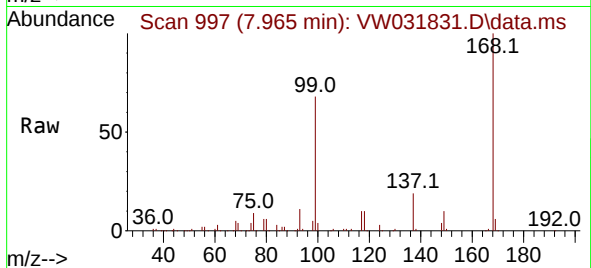
192 15.1 13.8 20.6



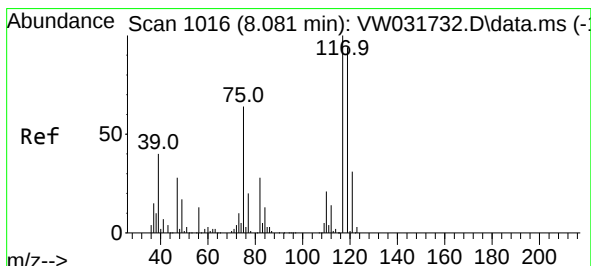
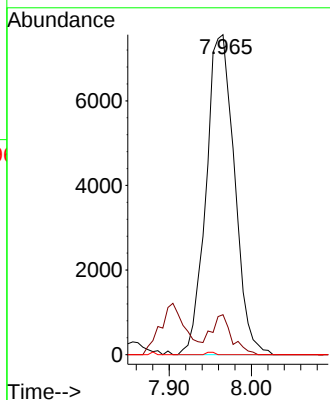
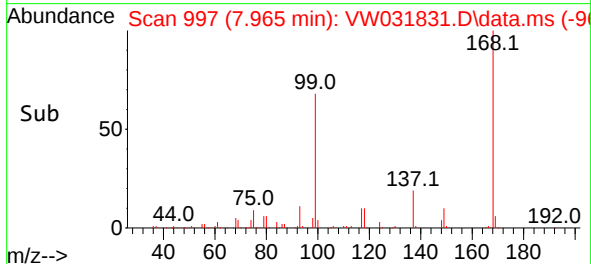


#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031831.D
 Acq: 11 Jul 2025 19:28

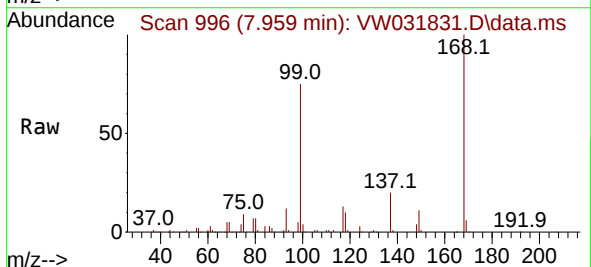
Instrument :
 MSVOA_W
 ClientSampleId :



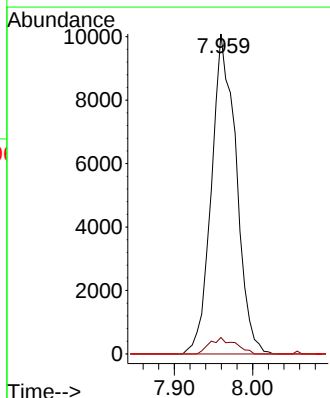
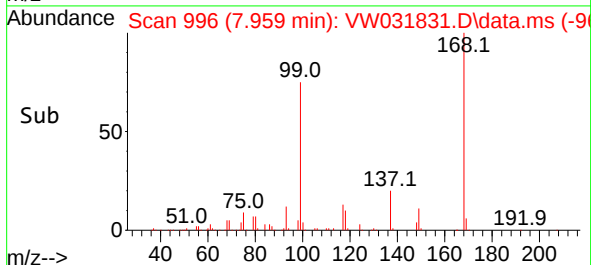
Tgt Ion: 75 Resp: 18121
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.8 50.4#
 77 0.2 25.0 37.6#

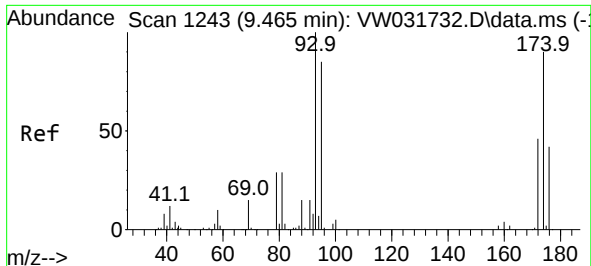


#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031831.D
 Acq: 11 Jul 2025 19:28



Tgt Ion: 117 Resp: 22120
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.0 112.6#
 121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.118 ug/l

RT: 9.252 min Scan# 11

Delta R.T. -0.213 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

Instrument :

MSVOA_W

ClientSampleId :

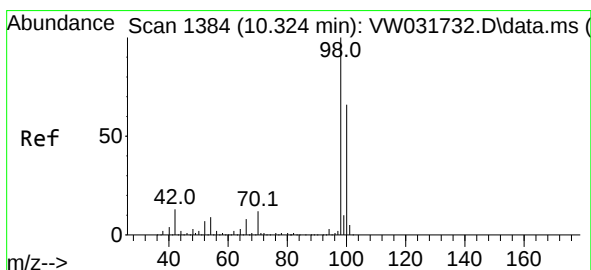
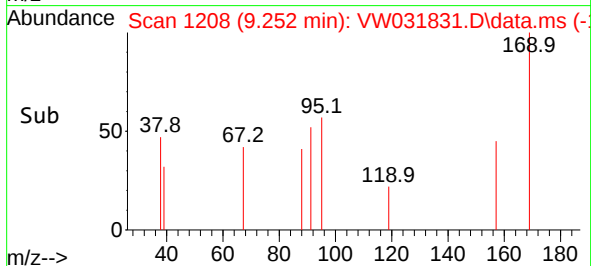
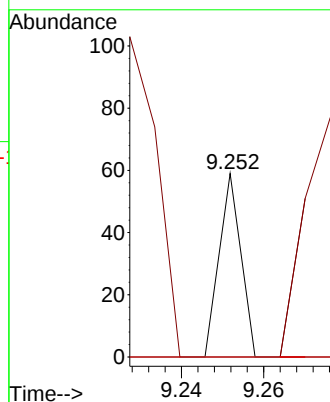
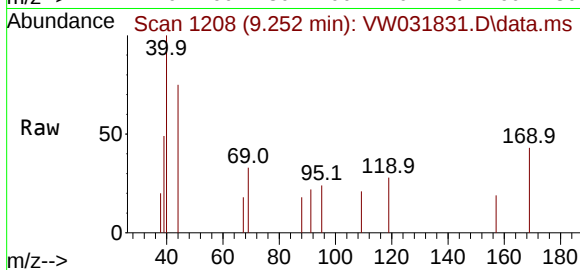
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 58.3 87.5#



#50

Toluene-d8

Concen: 45.361 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.007 min

Lab File: VW031831.D

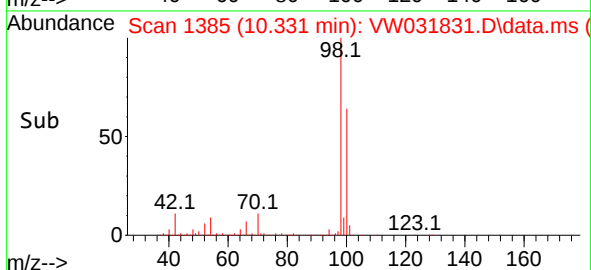
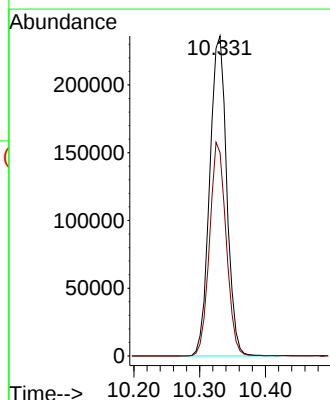
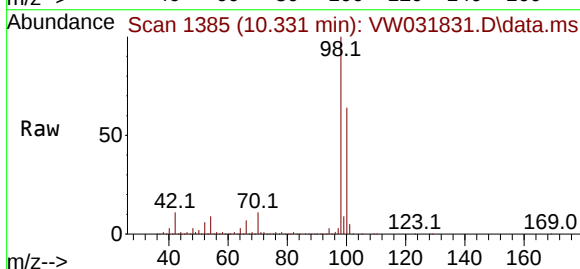
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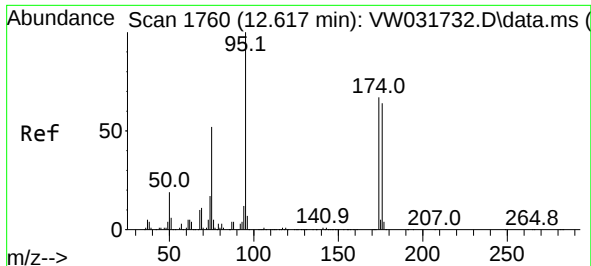
Tgt Ion: 98 Resp: 424647

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4

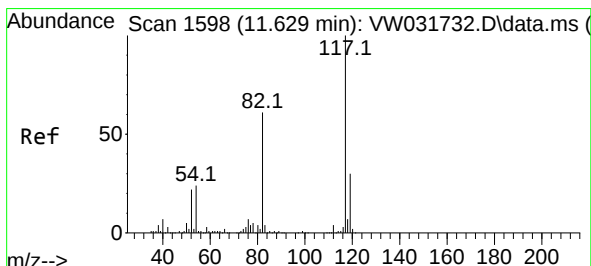
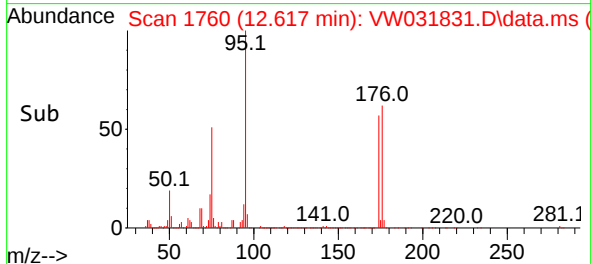
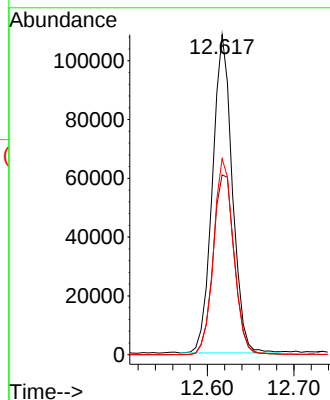
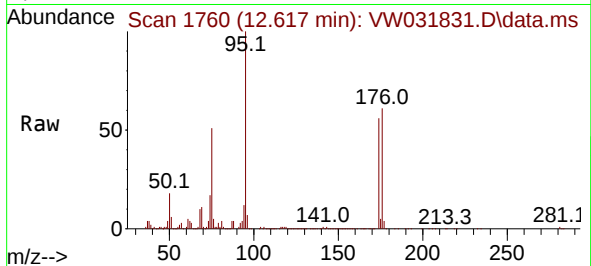




#62
4-Bromofluorobenzene
Concen: 50.005 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

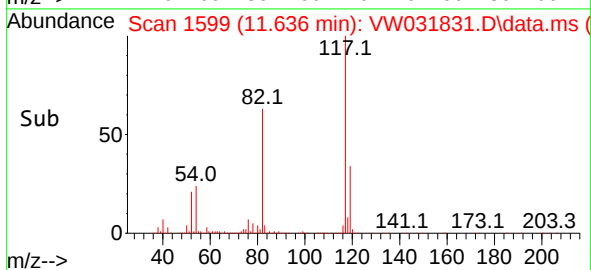
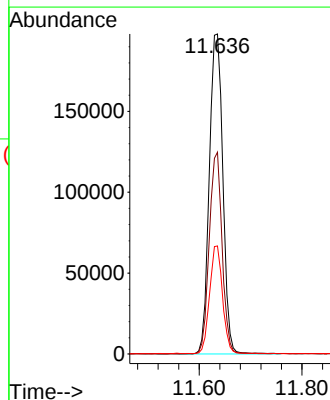
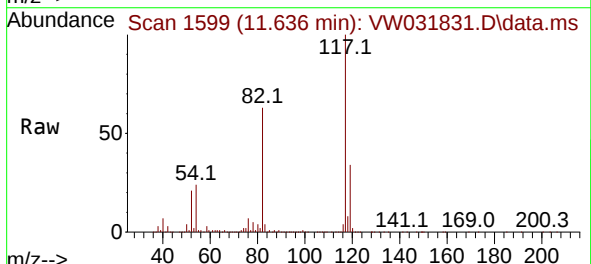
Instrument :
MSVOA_W
ClientSampleId :

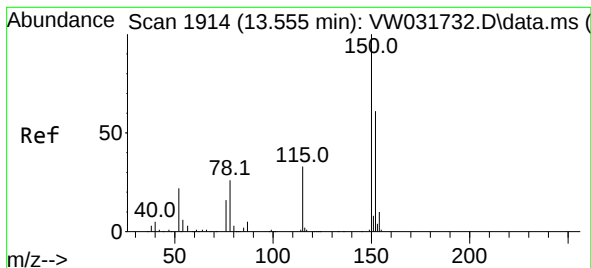
Tgt Ion: 95 Resp: 172270
Ion Ratio Lower Upper
95 100
174 60.9 0.0 133.8
176 62.1 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.007 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion:117 Resp: 362157
Ion Ratio Lower Upper
117 100
82 63.0 48.6 72.8
119 33.7 23.9 35.9

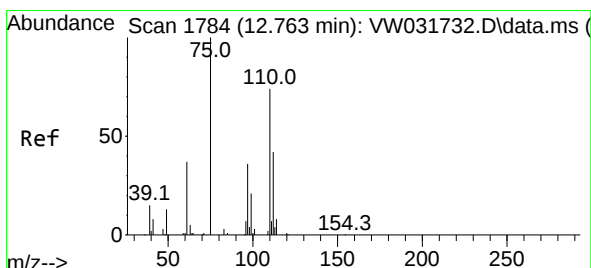
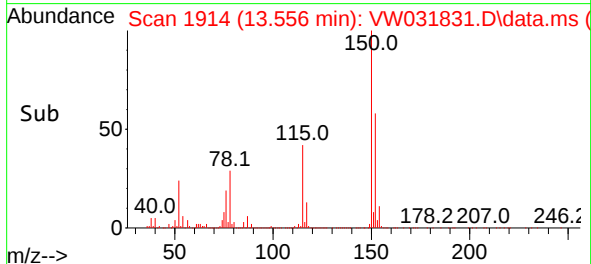
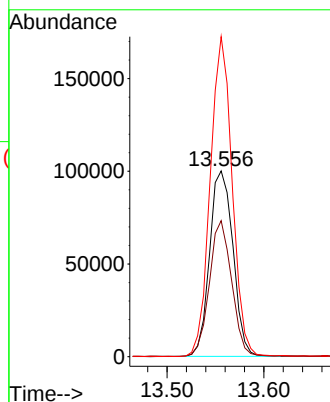
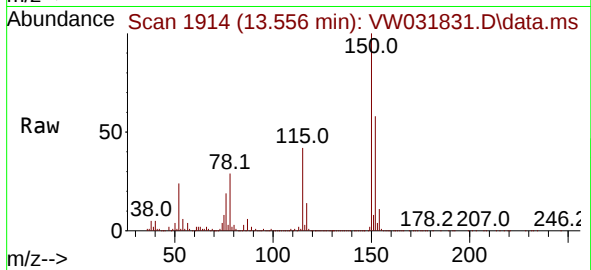




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031831.D
 Acq: 11 Jul 2025 19:28

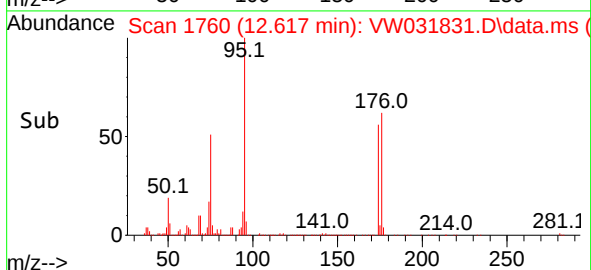
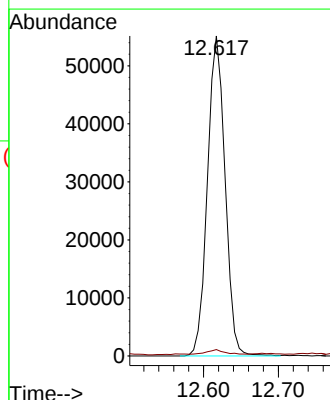
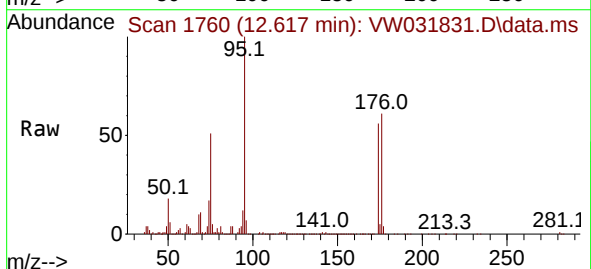
Instrument :
 MSVOA_W
 ClientSampleId :

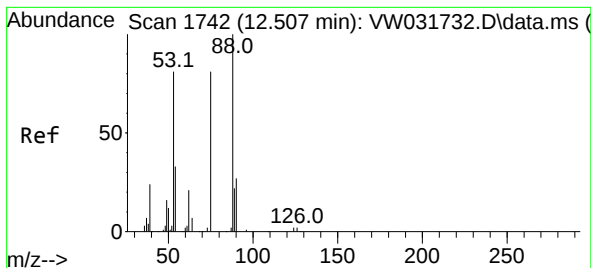
Tgt Ion:152 Resp: 168181
 Ion Ratio Lower Upper
 152 100
 115 69.7 31.9 95.7
 150 161.9 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 41.551 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031831.D
 Acq: 11 Jul 2025 19:28

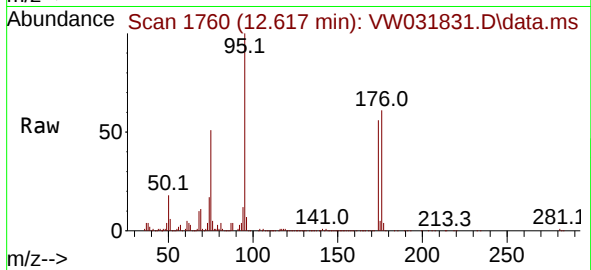
Tgt Ion: 75 Resp: 90306
 Ion Ratio Lower Upper
 75 100
 77 1.5 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.779 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031831.D
 Acq: 11 Jul 2025 19:28

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 90306
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.5 125.3#
 89 0.1 38.3 57.5#

