

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032358.D
 Acq On : 06 Oct 2025 14:49
 Operator : SY/MD
 Sample : Q3290-01
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:46:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

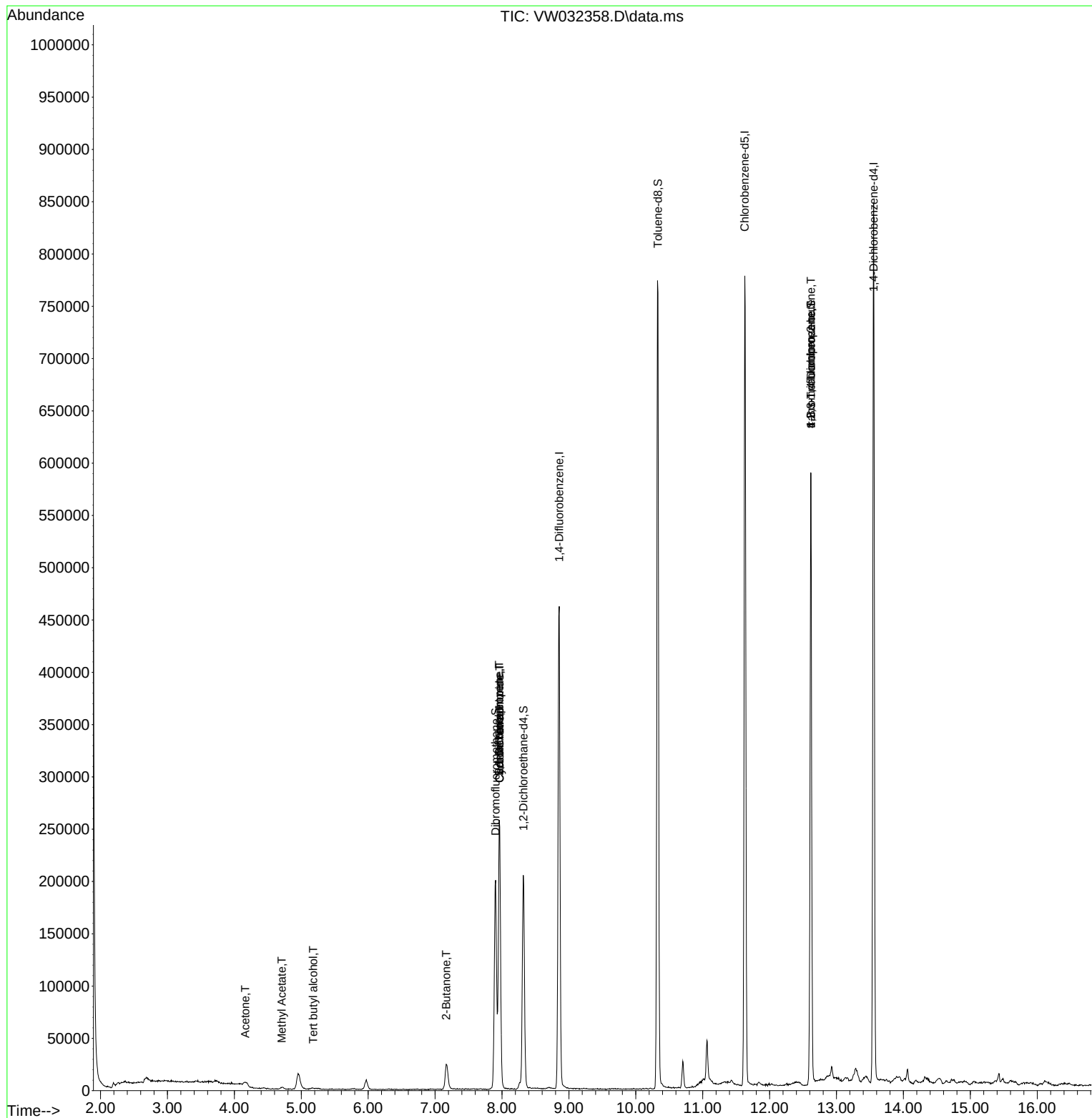
Internal Standards						
1) Pentafluorobenzene	7.959	168	173010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	384943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	428070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	204214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169596	67.208	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 134.420%		
35) Dibromofluoromethane	7.904	113	148008	59.371	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 118.740%		
50) Toluene-d8	10.331	98	518548	56.359	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 112.720%		
62) 4-Bromofluorobenzene	12.617	95	201874	58.049	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 116.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	1220	6.387	ug/l #	80
16) Acetone	4.161	43	2843	4.069	ug/l #	68
18) Methyl Acetate	4.710	43	3742	1.870	ug/l	96
25) 2-Butanone	7.167	43	1438	1.511	ug/l	92
31) Cyclohexane	7.965	56	4649	1.309	ug/l #	9
36) 1,1-Dichloropropene	7.959	75	16926	4.811	ug/l #	50
38) Carbon Tetrachloride	7.965	117	20355	6.148	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	102630	38.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	102630	96.746	ug/l #	5

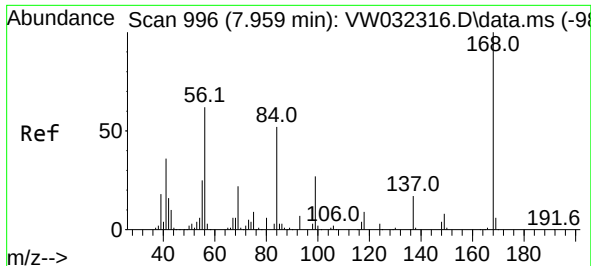
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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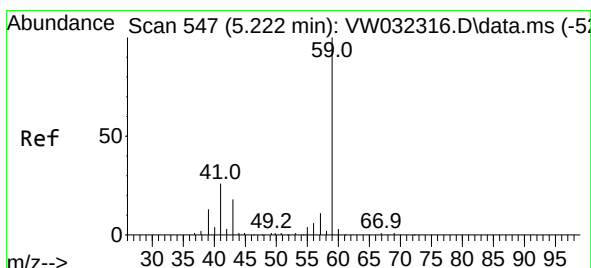
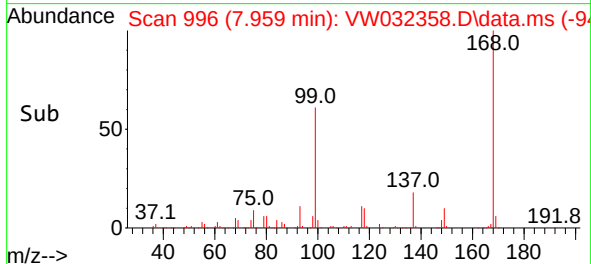
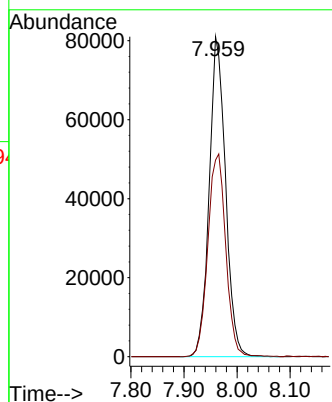
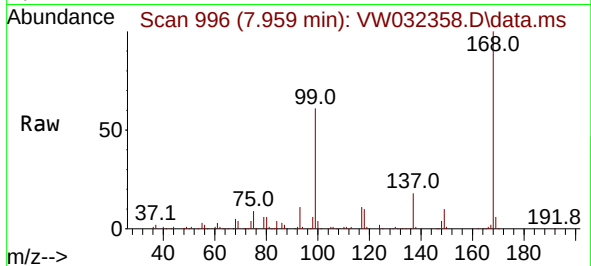




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

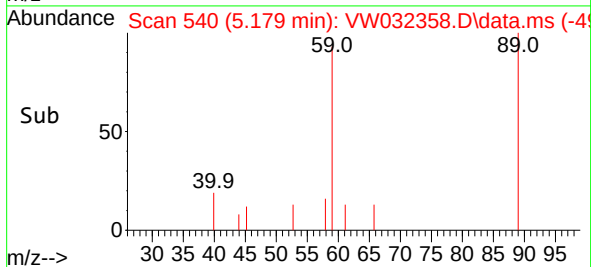
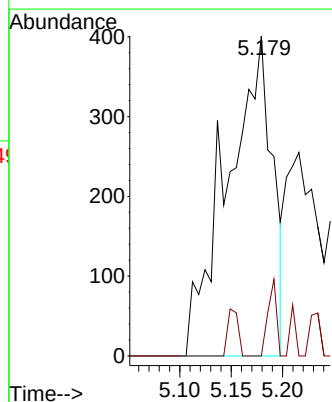
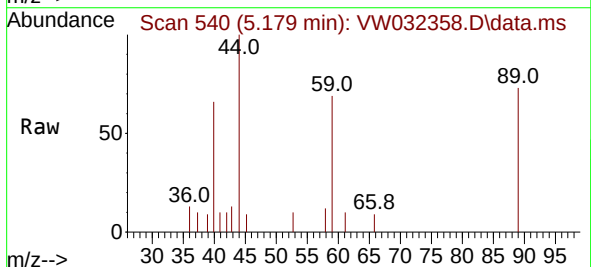
Instrument :
MSVOA_W
ClientSampleId :

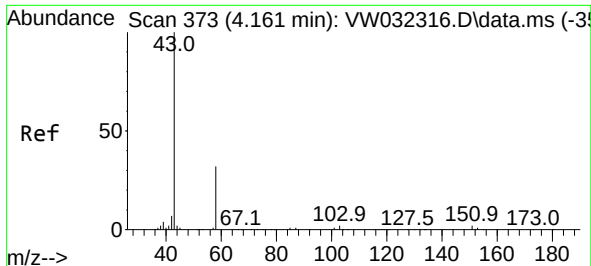
Tgt Ion:168 Resp: 173010
Ion Ratio Lower Upper
168 100
99 61.5 49.3 73.9



#11
Tert butyl alcohol
Concen: 6.387 ug/l
RT: 5.179 min Scan# 540
Delta R.T. -0.043 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 59 Resp: 1220
Ion Ratio Lower Upper
59 100
57 4.5 9.8 14.6#

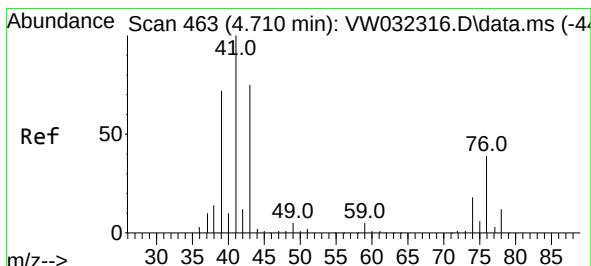
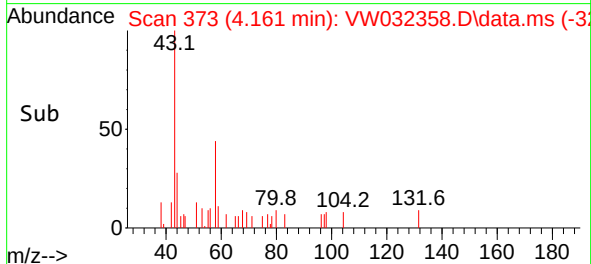
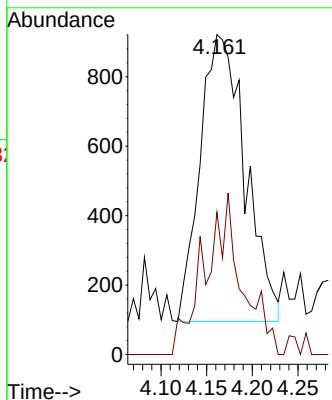
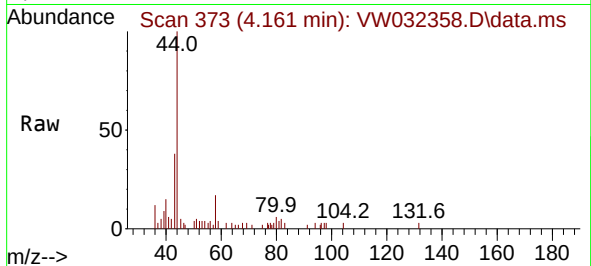




#16
Acetone
Concen: 4.069 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

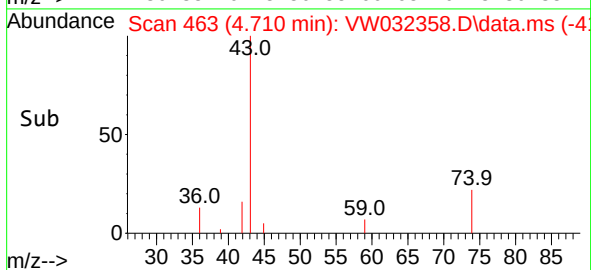
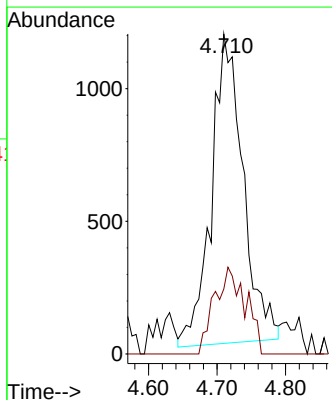
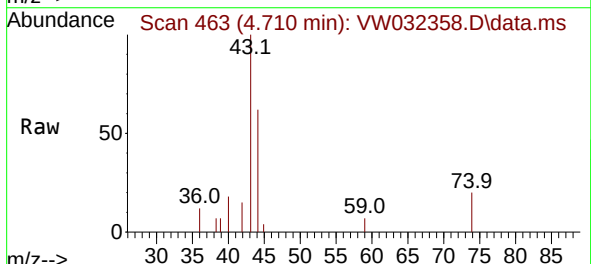
Instrument :
MSVOA_W
ClientSampleId :

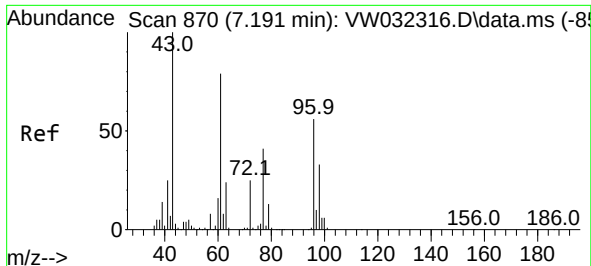
Tgt Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
58 49.5 25.3 37.9#



#18
Methyl Acetate
Concen: 1.870 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 43 Resp: 3742
Ion Ratio Lower Upper
43 100
74 27.4 20.2 30.4

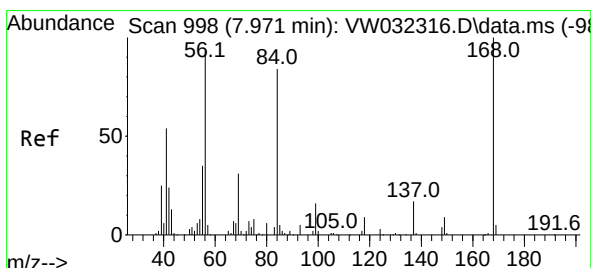
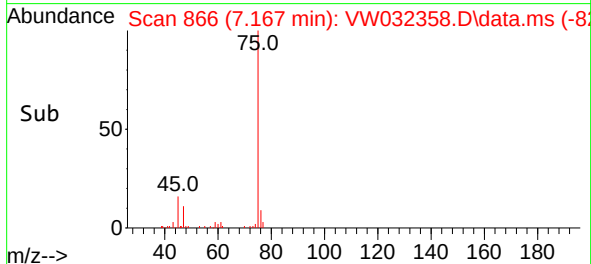
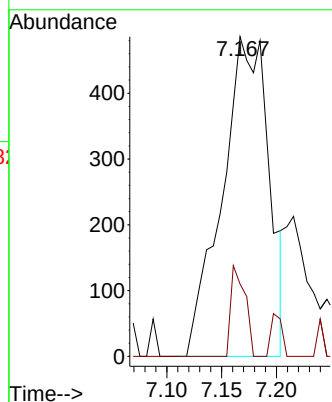
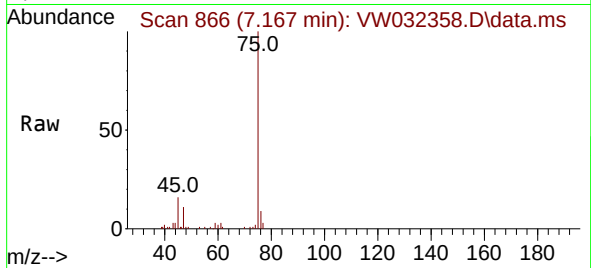




#25
2-Butanone
Concen: 1.511 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

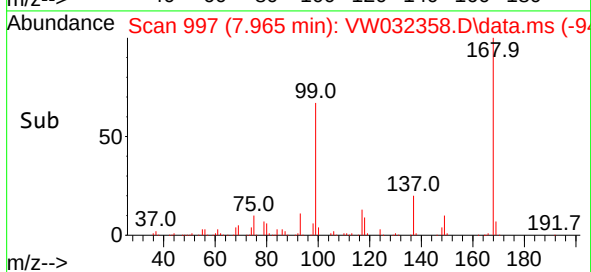
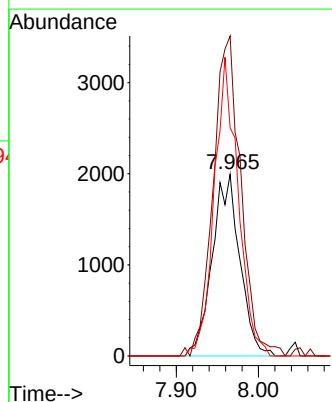
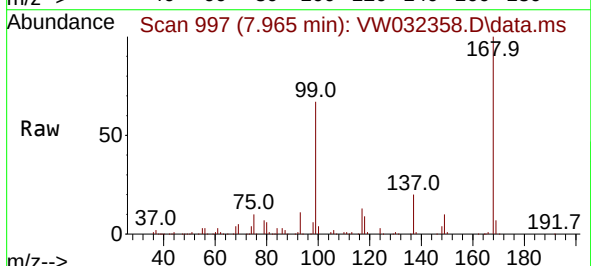
Instrument :
MSVOA_W
ClientSampleId :

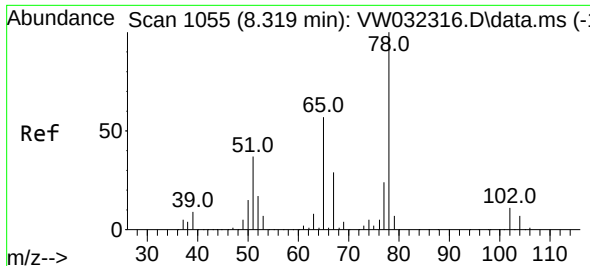
Tgt Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
72 22.6 21.4 32.2



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 56 Resp: 4649
Ion Ratio Lower Upper
56 100
69 176.0 27.7 41.5#
84 125.4 74.6 112.0#

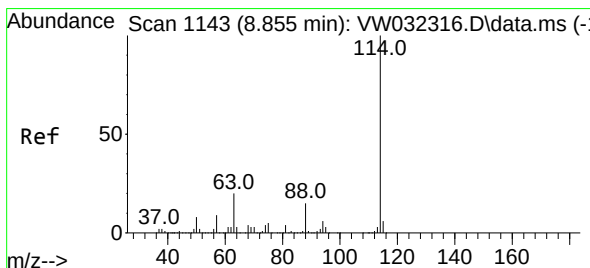
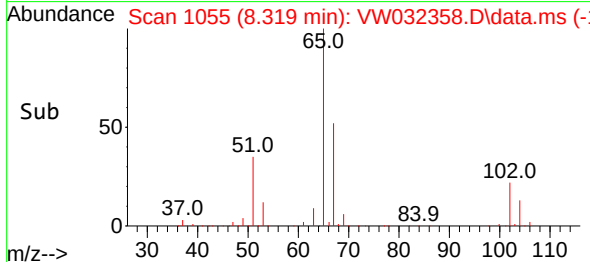
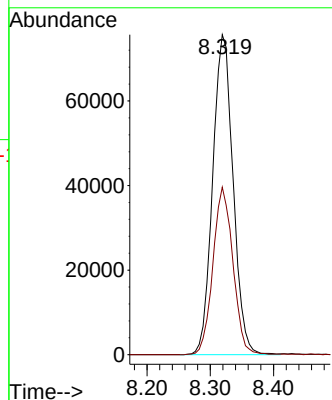
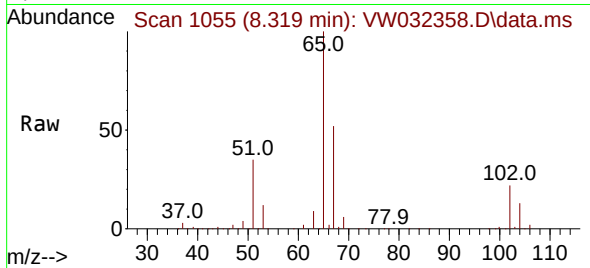




#33
 1,2-Dichloroethane-d4
 Concen: 67.208 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032358.D
 Acq: 06 Oct 2025 14:49

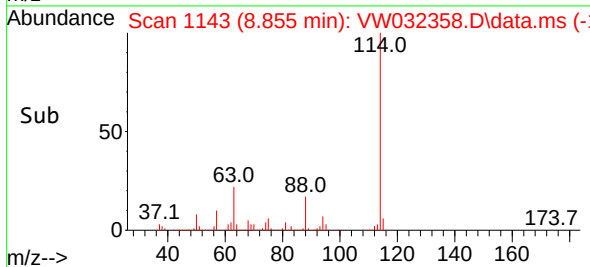
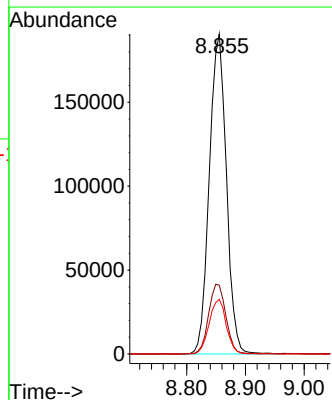
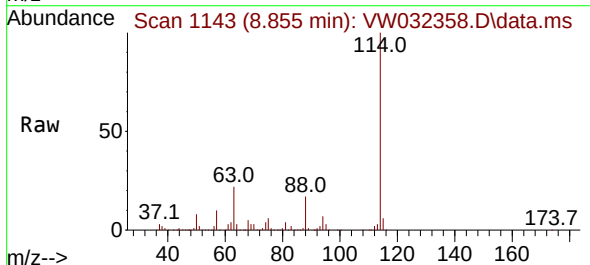
Instrument :
 MSVOA_W
 ClientSampleId :

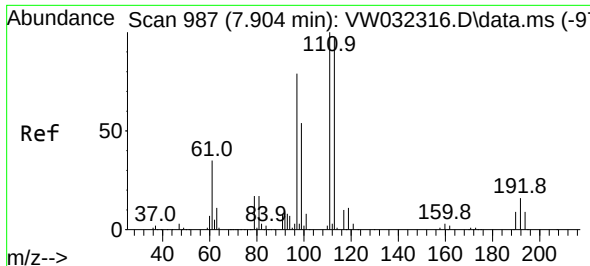
Tgt Ion: 65 Resp: 169596
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032358.D
 Acq: 06 Oct 2025 14:49

Tgt Ion: 114 Resp: 384943
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.4
 88 17.1 0.0 32.0

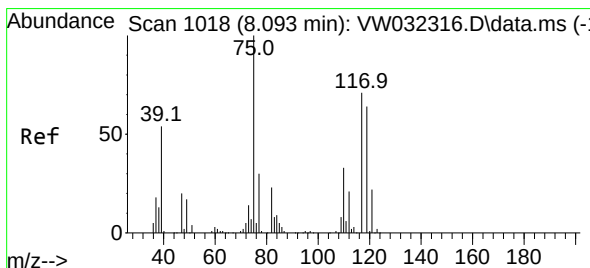
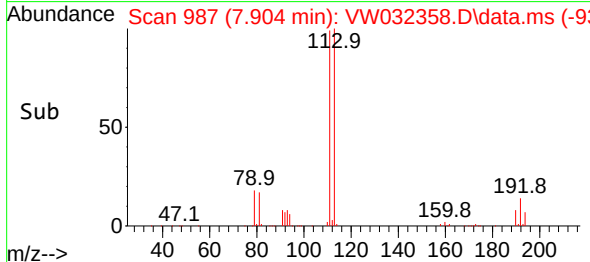
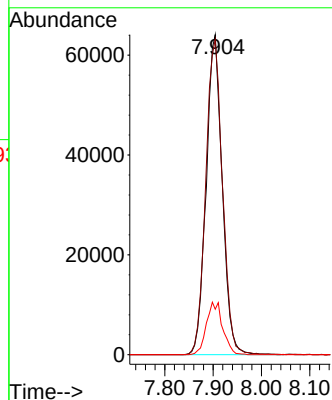
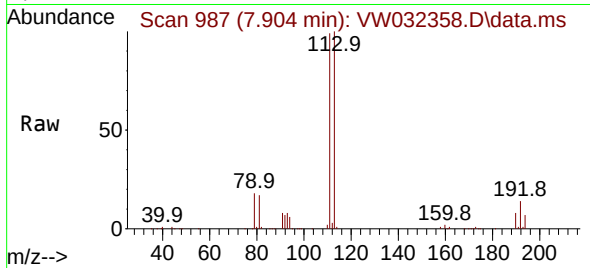




#35
 Dibromofluoromethane
 Concen: 59.371 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032358.D
 Acq: 06 Oct 2025 14:49

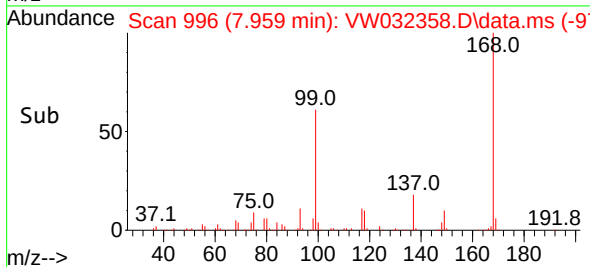
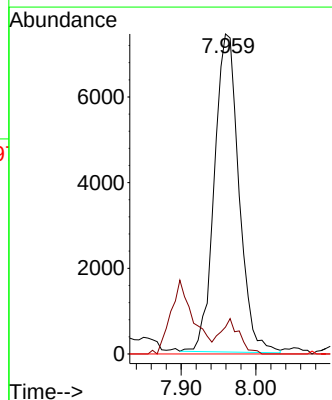
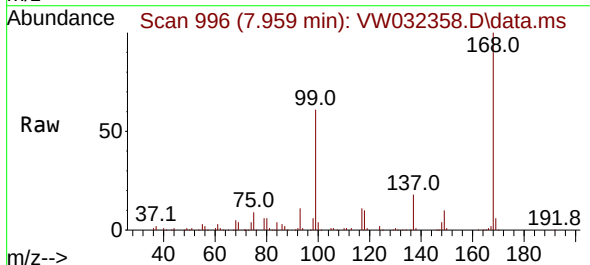
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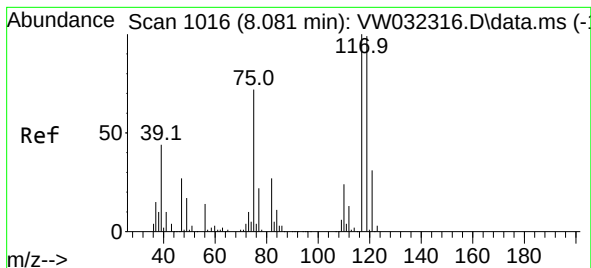
Tgt Ion:113 Resp: 148008
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.9 125.9
 192 16.7 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032358.D
 Acq: 06 Oct 2025 14:49

Tgt Ion: 75 Resp: 16926
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.5 52.5#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.148 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

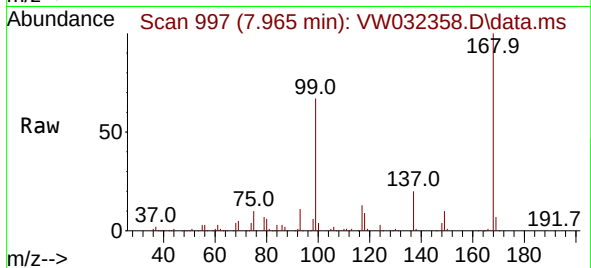
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Acq: 06 Oct 2025 14:49

Instrument :

MSVOA_W

ClientSampleId :



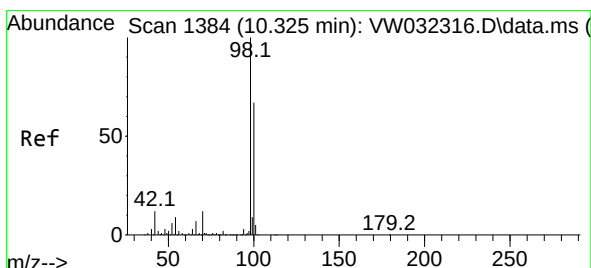
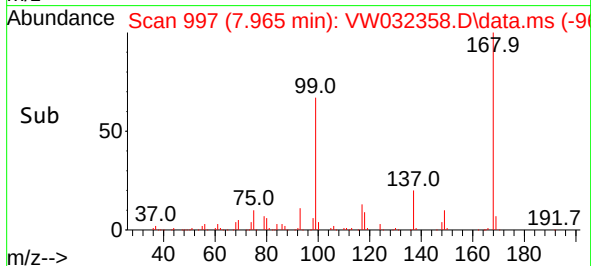
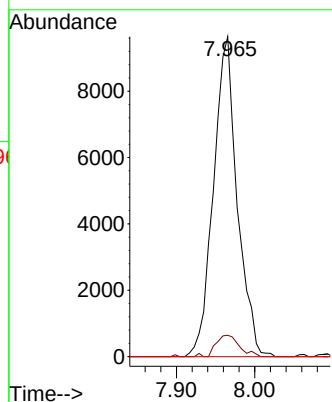
Tgt Ion:117 Resp: 20355

Ion Ratio Lower Upper

117 100

119 6.7 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 56.359 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032358.D

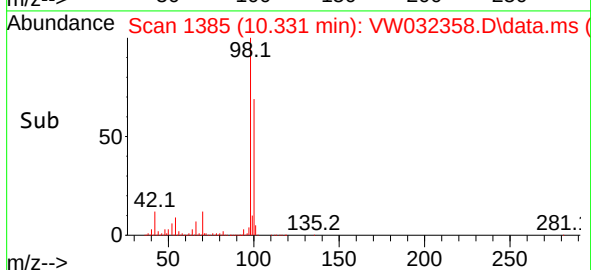
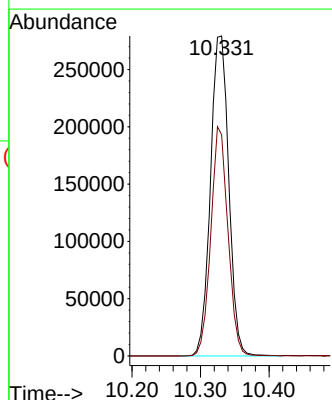
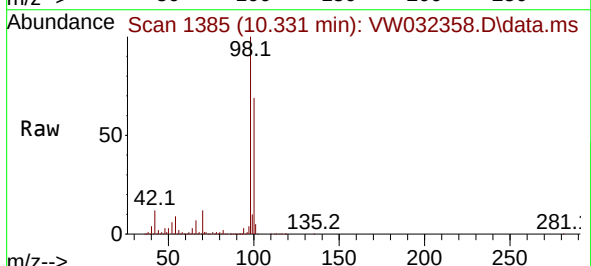
Acq: 06 Oct 2025 14:49

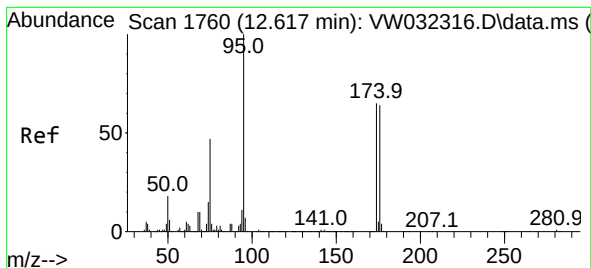
Tgt Ion: 98 Resp: 518548

Ion Ratio Lower Upper

98 100

100 67.2 51.4 77.2

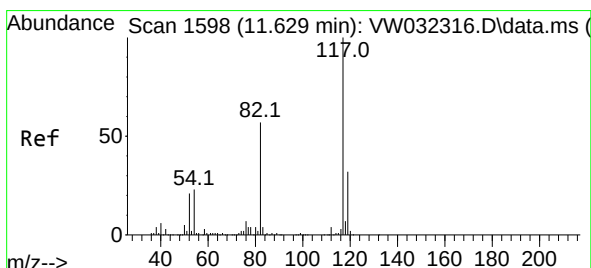
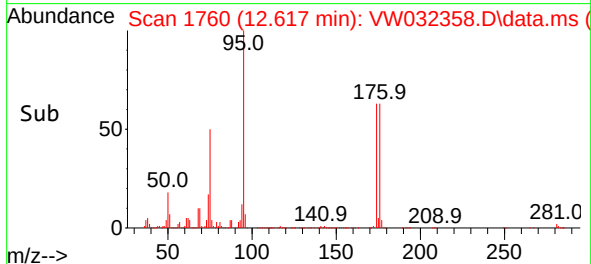
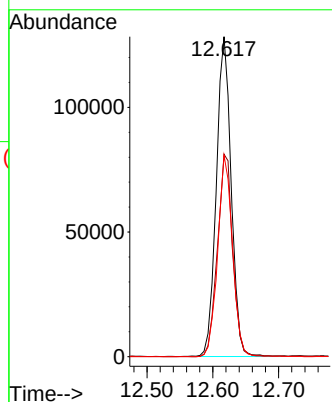
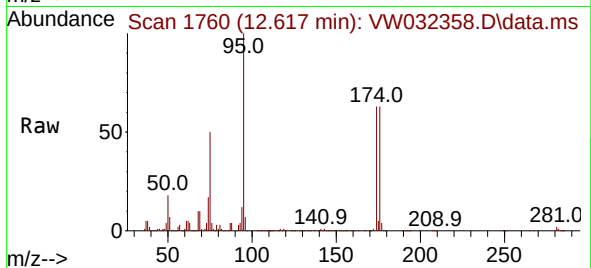




#62
4-Bromofluorobenzene
Concen: 58.049 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

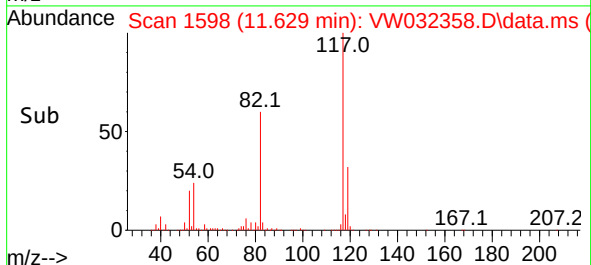
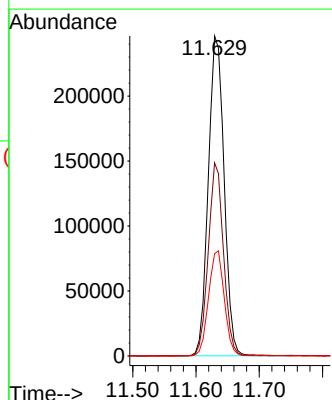
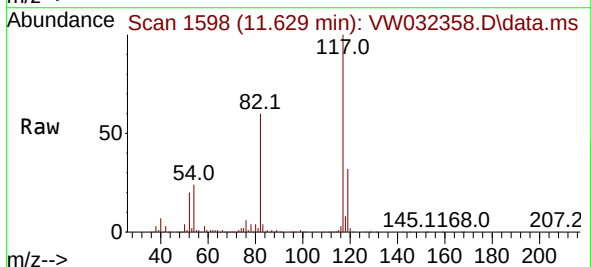
Instrument :
MSVOA_W
ClientSampleId :

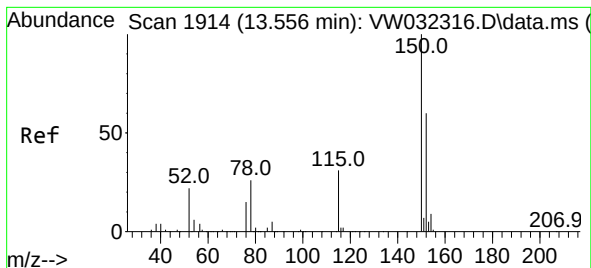
Tgt Ion: 95 Resp: 201874
Ion Ratio Lower Upper
95 100
174 65.1 0.0 145.6
176 63.0 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 117 Resp: 428070
Ion Ratio Lower Upper
117 100
82 60.4 42.7 64.1
119 32.0 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

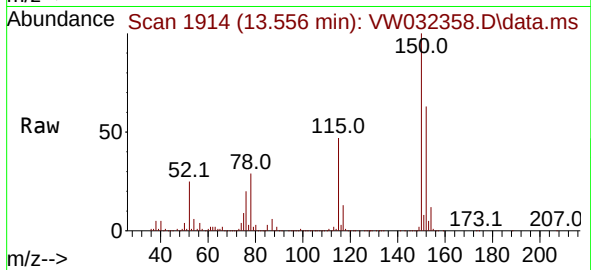
Lab File: VW032358.D

Acq: 06 Oct 2025 14:49

Instrument :

MSVOA_W

ClientSampleId :



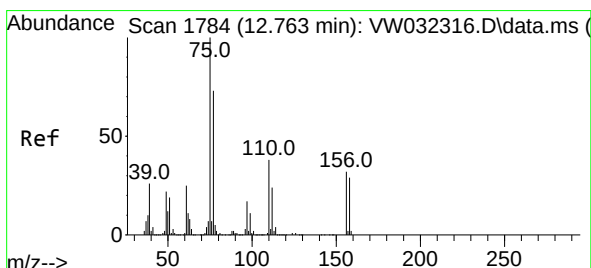
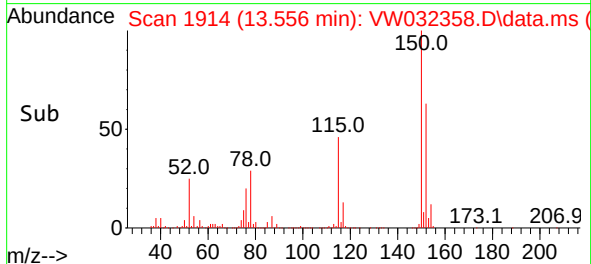
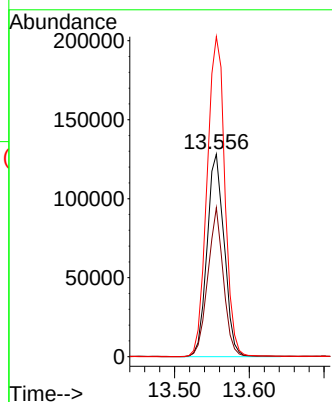
Tgt Ion:152 Resp: 204214

Ion Ratio Lower Upper

152 100

115 67.1 31.8 95.4

150 164.0 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 38.190 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032358.D

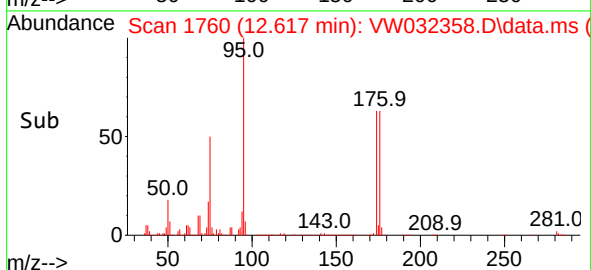
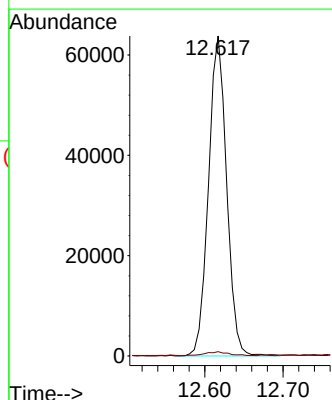
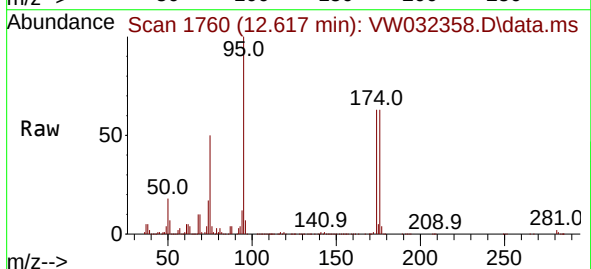
Acq: 06 Oct 2025 14:49

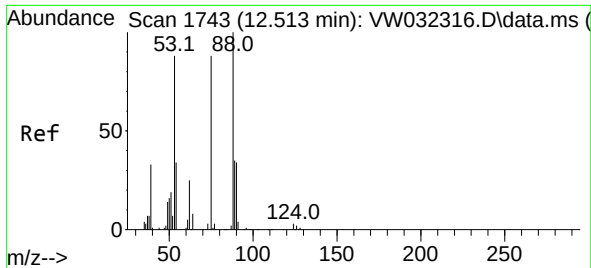
Tgt Ion: 75 Resp: 102630

Ion Ratio Lower Upper

75 100

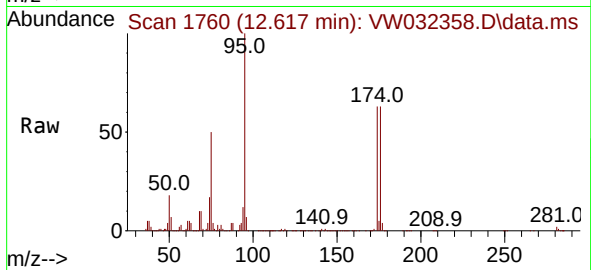
77 1.5 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.746 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032358.D
Acq: 06 Oct 2025 14:49

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 102630
Ion Ratio Lower Upper
75 100
53 0.1 91.0 136.6#
89 0.0 39.4 59.2#

