

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032279.D
 Acq On : 26 Sep 2025 14:45
 Operator : SY/MD
 Sample : Q3216-02
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Sep 29 08:39:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

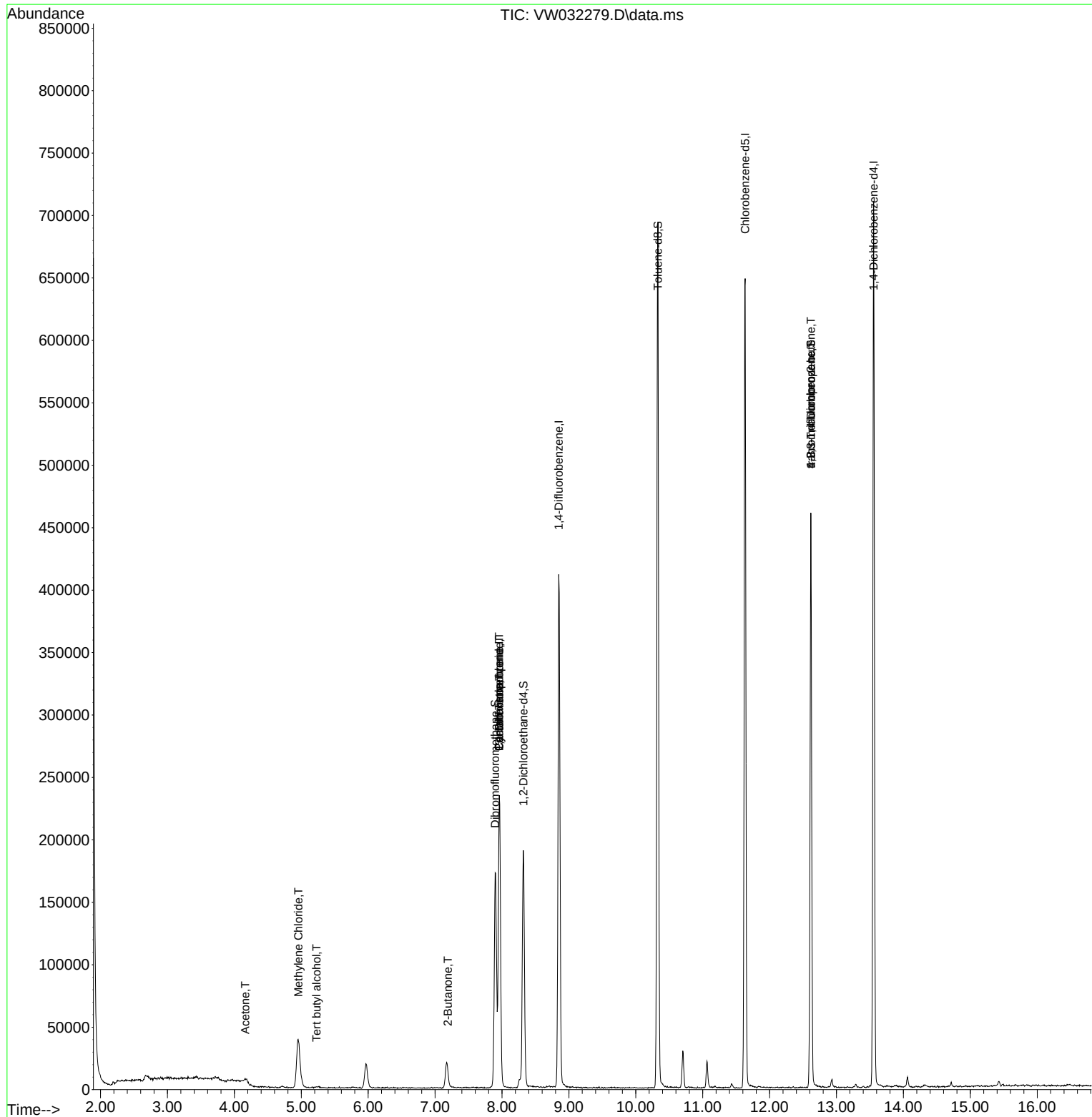
Internal Standards						
1) Pentafluorobenzene	7.959	168	162890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	351593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	356657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154758	60.170	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.340%		
35) Dibromofluoromethane	7.898	113	131622	52.054	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.100%		
50) Toluene-d8	10.331	98	463728	50.887	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.780%		
62) 4-Bromofluorobenzene	12.617	95	159045	46.269	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	500	2.801	ug/l #	81
16) Acetone	4.161	43	1364	2.065	ug/l #	48
20) Methylene Chloride	4.960	84	35144	8.460	ug/l	93
25) 2-Butanone	7.191	43	1313	1.426	ug/l #	79
31) Cyclohexane	7.959	56	4237	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	14715	4.317	ug/l #	50
38) Carbon Tetrachloride	7.959	117	18935	5.904	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	81195	33.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	81195	87.200	ug/l #	9

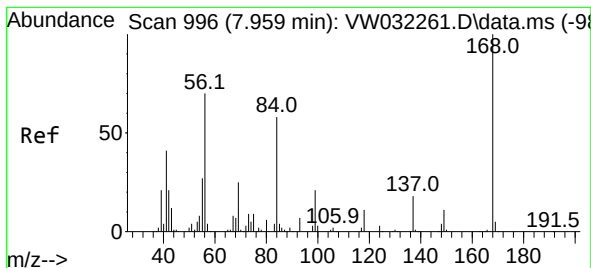
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 26 07:11:42 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW032279.D

Acq: 26 Sep 2025 14:45

Instrument :

MSVOA_W

ClientSampleId :

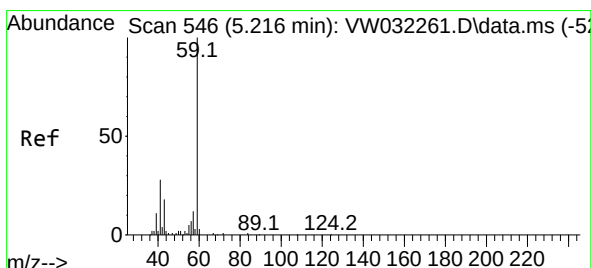
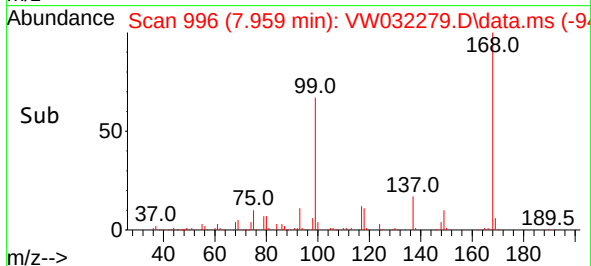
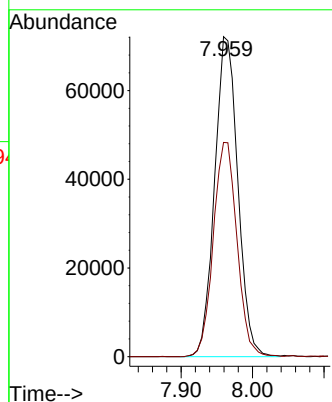
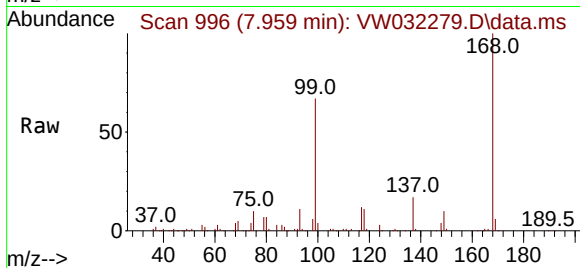
VOC

Tgt Ion:168 Resp: 162890

Ion Ratio Lower Upper

168 100

99 66.9 55.0 82.4



#11

Tert butyl alcohol

Concen: 2.801 ug/l

RT: 5.228 min Scan# 548

Delta R.T. 0.012 min

Lab File: VW032279.D

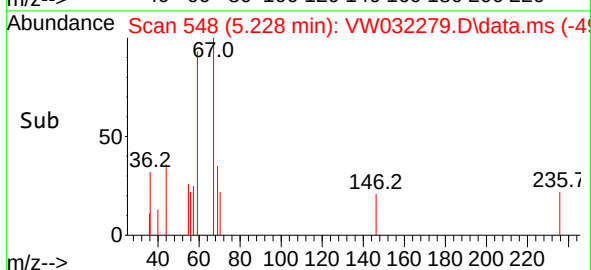
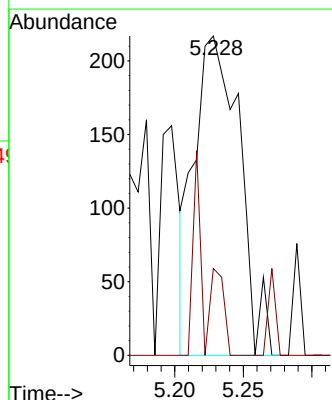
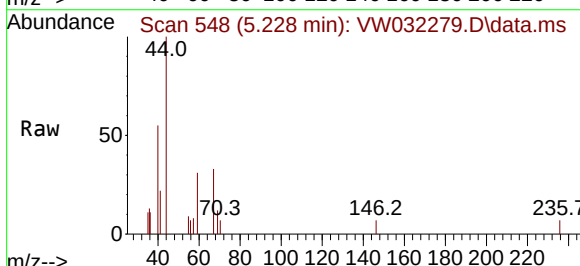
Acq: 26 Sep 2025 14:45

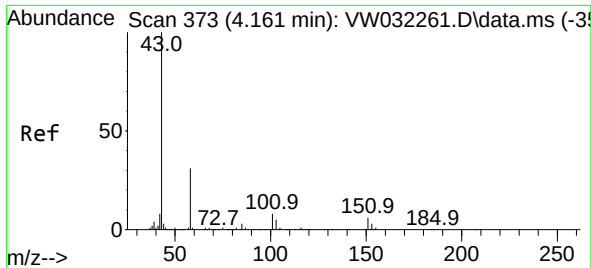
Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

59 100

57 18.4 8.9 13.3#

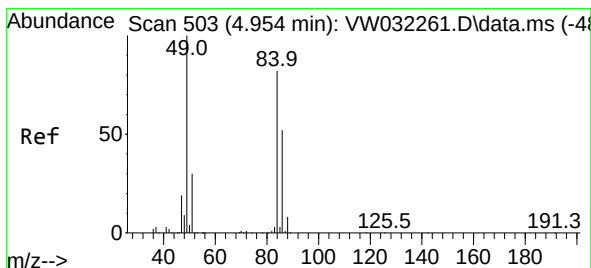
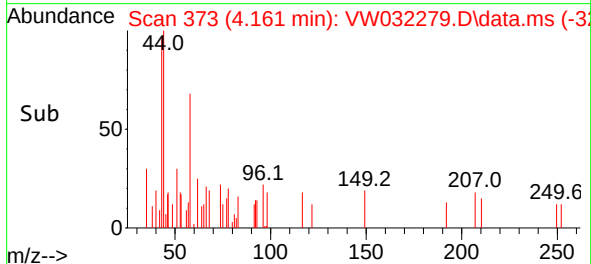
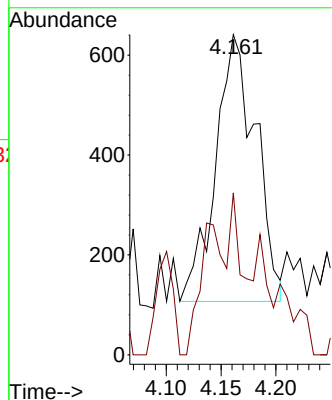
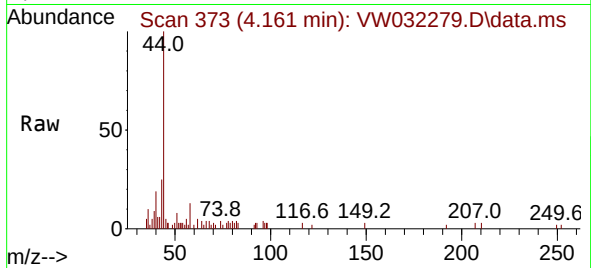




#16
Acetone
Concen: 2.065 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

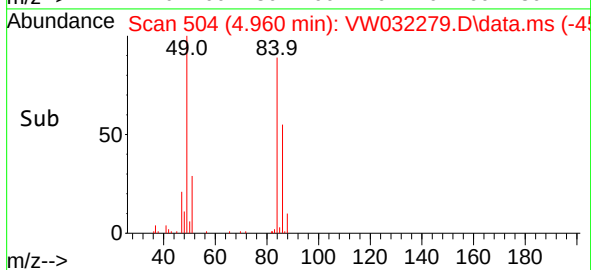
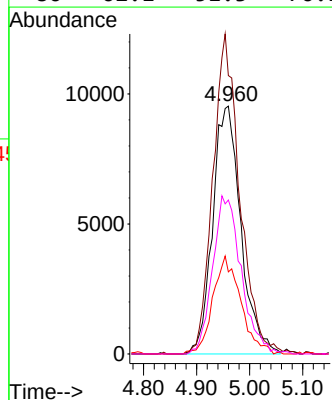
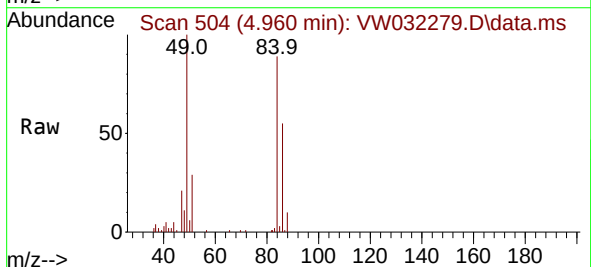
Instrument :
MSVOA_W
ClientSampleId :
VOC

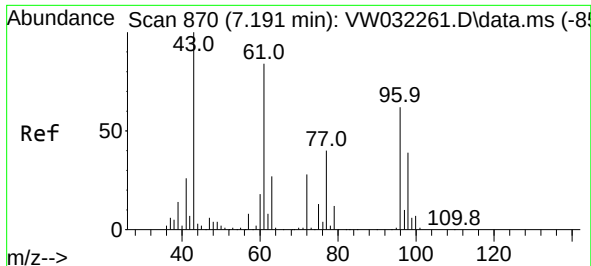
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
58 60.7 25.4 38.0#



#20
Methylene Chloride
Concen: 8.460 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

Tgt Ion: 84 Resp: 35144
Ion Ratio Lower Upper
84 100
49 112.3 97.8 146.6
51 33.1 29.9 44.9
86 62.1 51.3 76.9

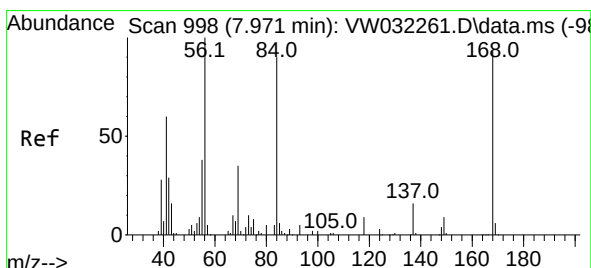
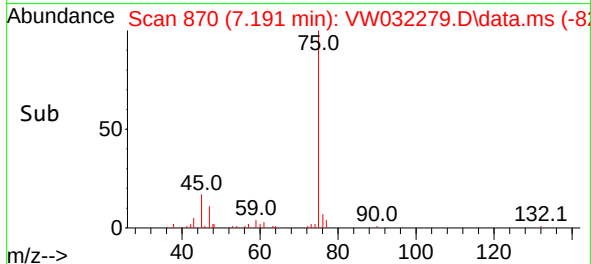
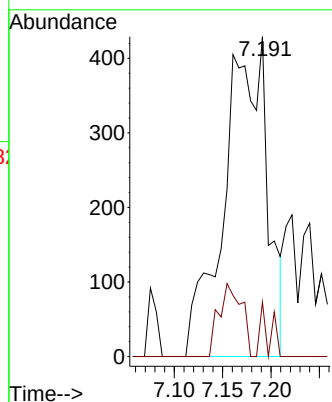
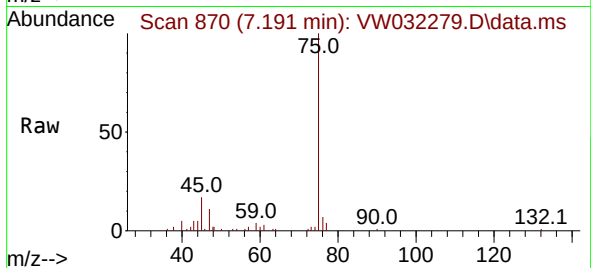




#25
2-Butanone
Concen: 1.426 ug/l
RT: 7.191 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

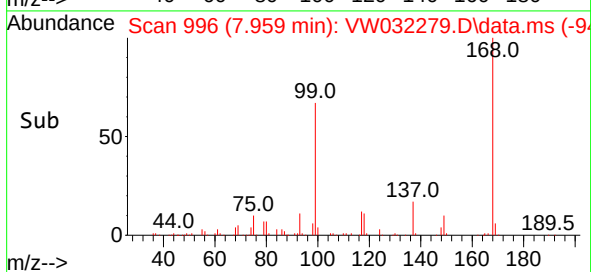
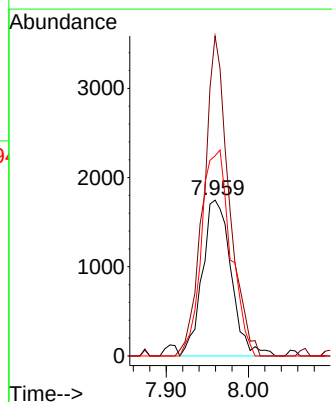
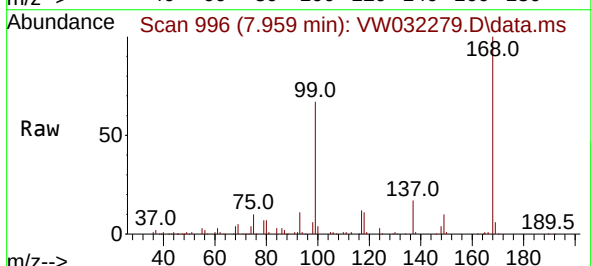
Instrument :
MSVOA_W
ClientSampleId :
VOC

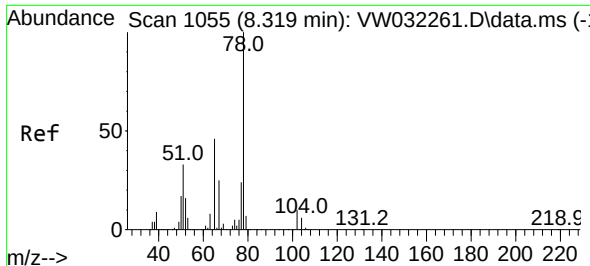
Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
72 17.0 22.3 33.5#



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

Tgt Ion: 56 Resp: 4237
Ion Ratio Lower Upper
56 100
69 205.3 28.2 42.2#
84 128.4 71.8 107.6#

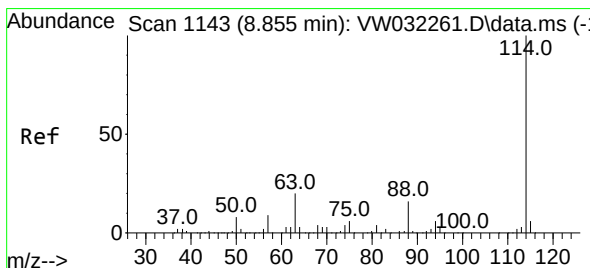
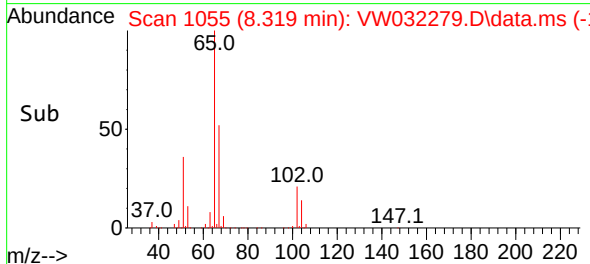
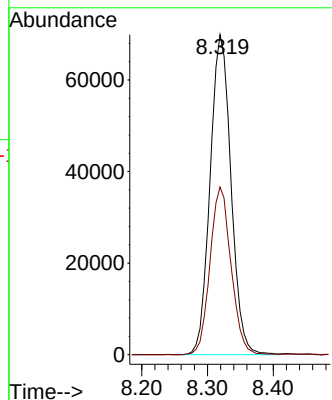
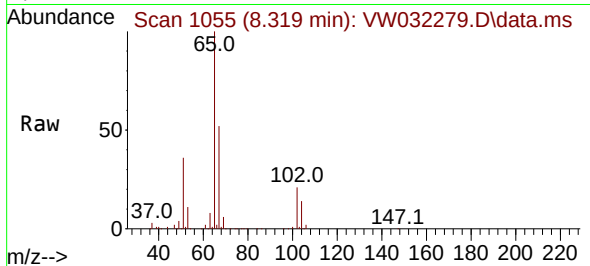




#33
1,2-Dichloroethane-d4
Concen: 60.170 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

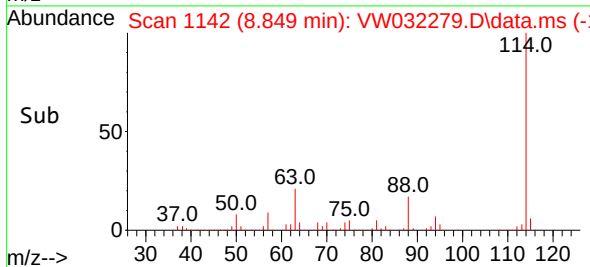
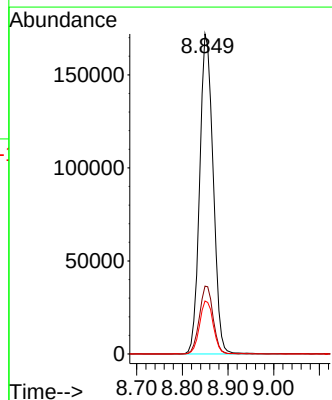
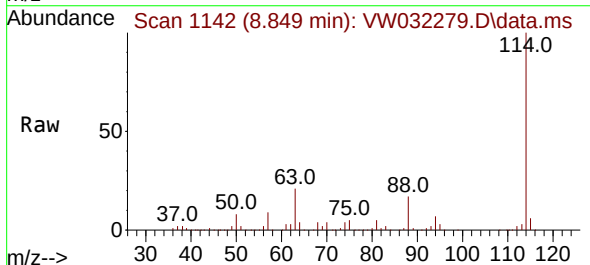
Instrument :
MSVOA_W
ClientSampleId :
VOC

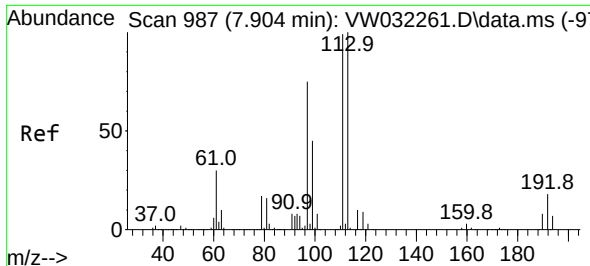
Tgt Ion: 65 Resp: 154758
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

Tgt Ion: 114 Resp: 351593
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.2
88 16.6 0.0 32.0

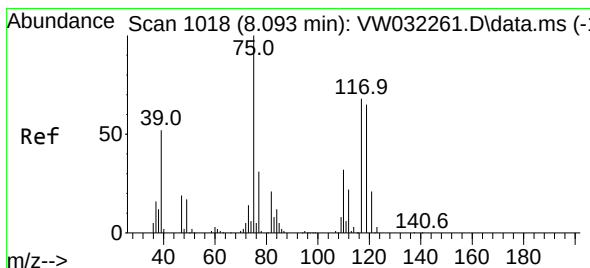
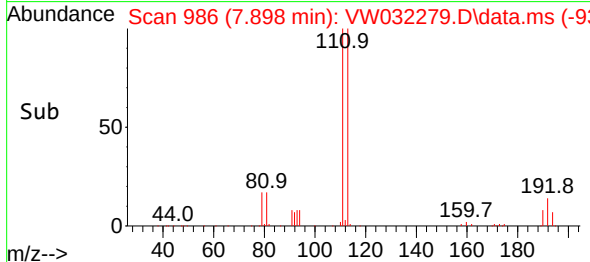
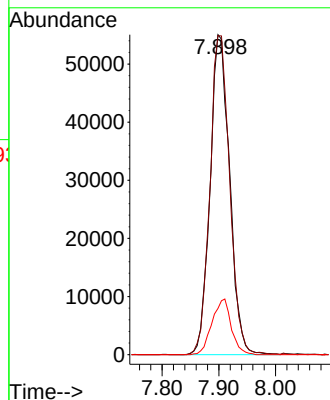
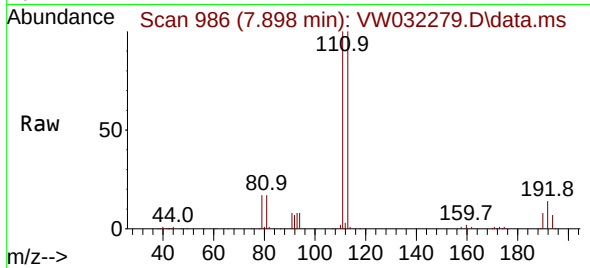




#35
 Dibromofluoromethane
 Concen: 52.054 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032279.D
 Acq: 26 Sep 2025 14:45

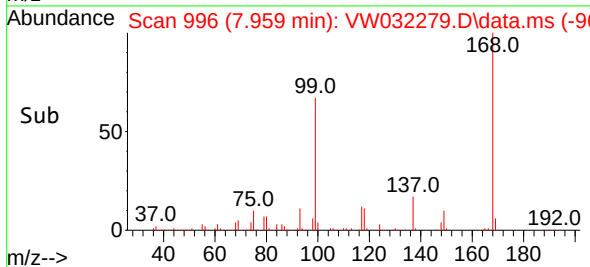
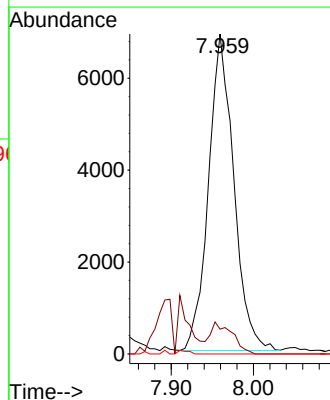
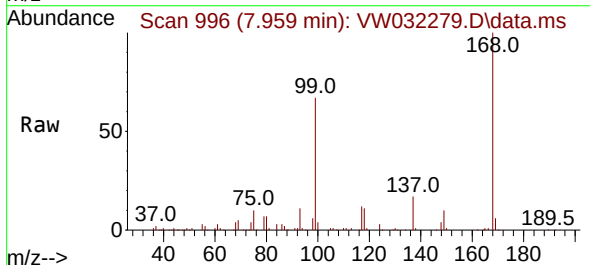
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

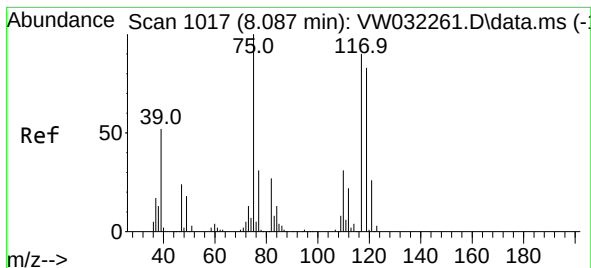
Tgt Ion:113 Resp: 131622
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.8 122.8
 192 17.2 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.317 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032279.D
 Acq: 26 Sep 2025 14:45

Tgt Ion: 75 Resp: 14715
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.7 50.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032279.D

Acq: 26 Sep 2025 14:45

Instrument :

MSVOA_W

ClientSampleId :

VOC

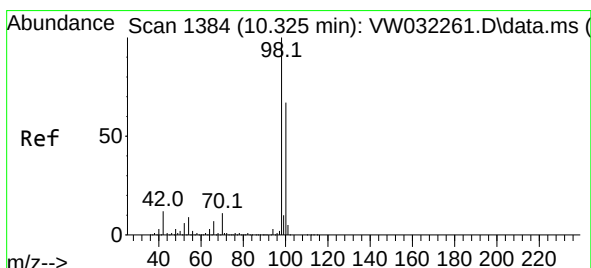
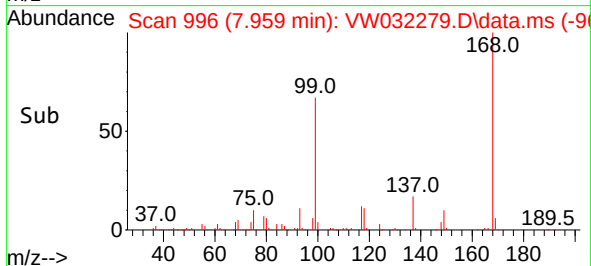
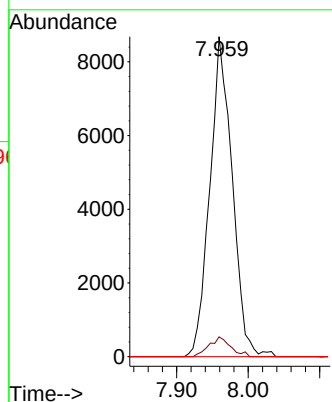
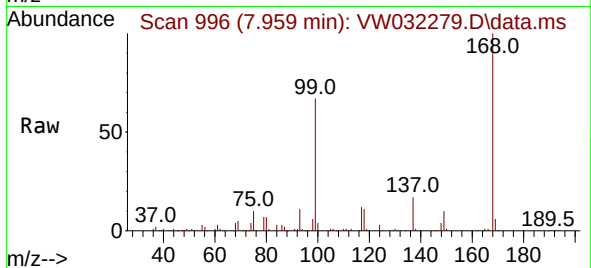
Tgt Ion:117 Resp: 18935

Ion Ratio Lower Upper

117 100

119 6.2 73.9 110.9#

121 0.0 23.0 34.6#



#50

Toluene-d8

Concen: 50.887 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032279.D

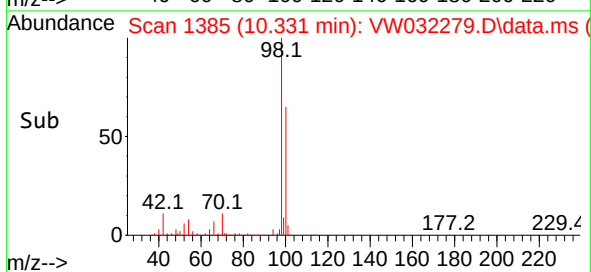
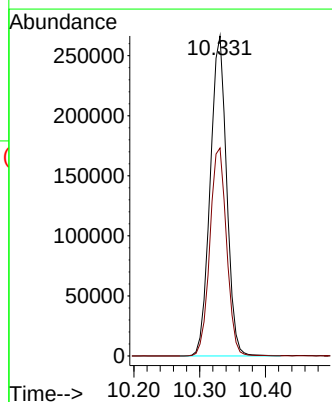
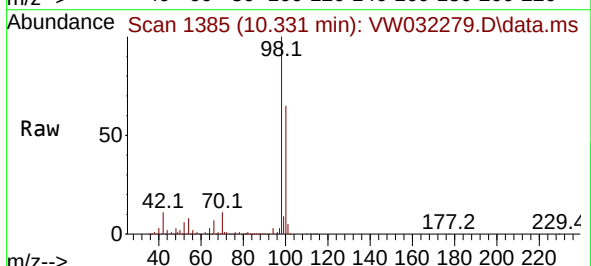
Acq: 26 Sep 2025 14:45

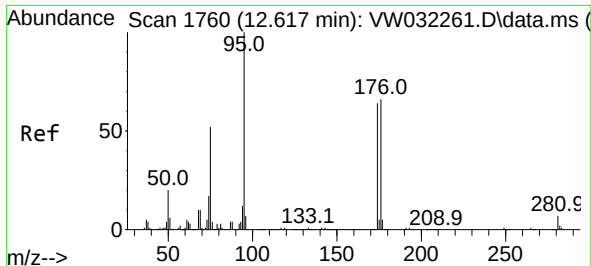
Tgt Ion: 98 Resp: 463728

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4

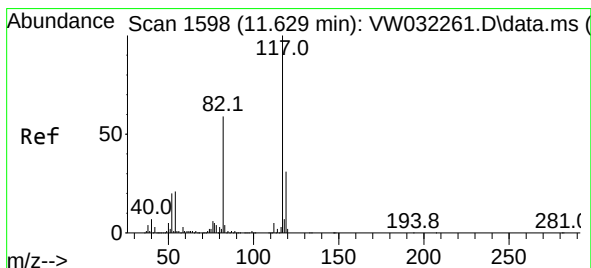
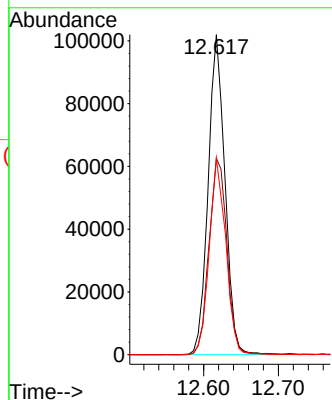
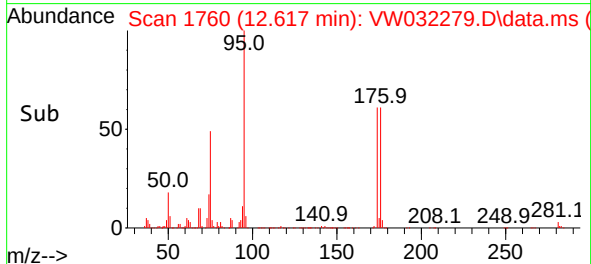
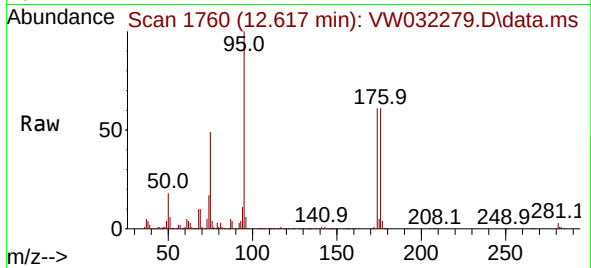




#62
4-Bromofluorobenzene
Concen: 46.269 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

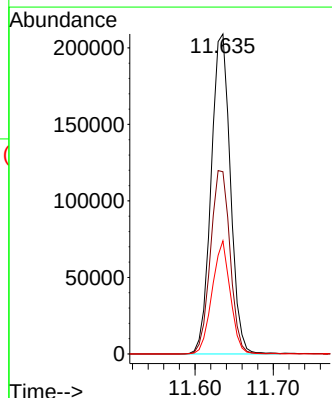
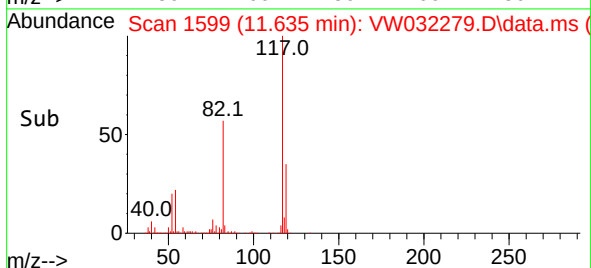
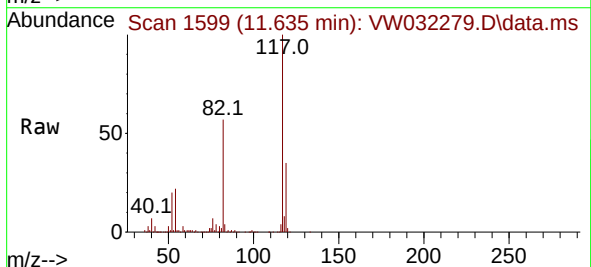
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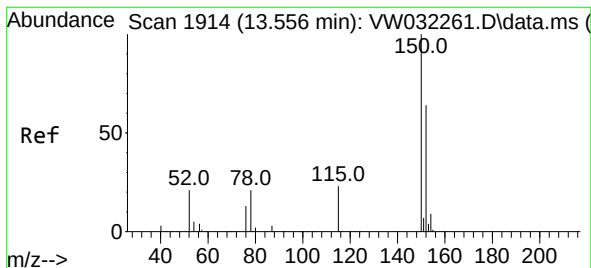
Tgt Ion: 95 Resp: 159045
Ion Ratio Lower Upper
95 100
174 65.8 0.0 130.6
176 60.8 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032279.D
Acq: 26 Sep 2025 14:45

Tgt Ion: 117 Resp: 356657
Ion Ratio Lower Upper
117 100
82 57.0 46.9 70.3
119 35.4 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032279.D

Acq: 26 Sep 2025 14:45

Instrument :

MSVOA_W

ClientSampleId :

VOC

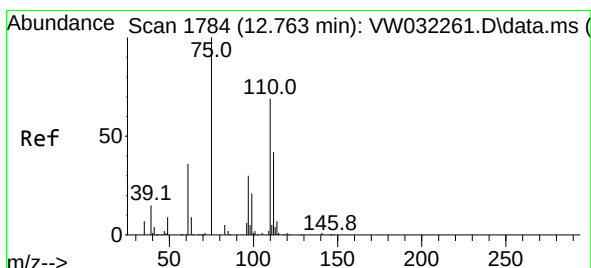
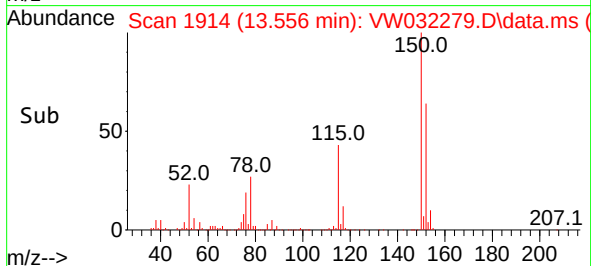
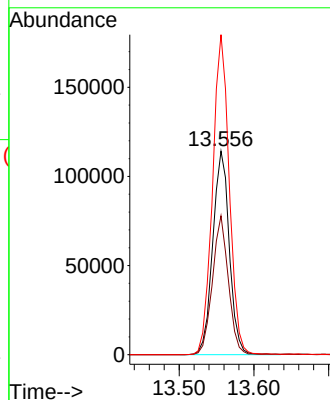
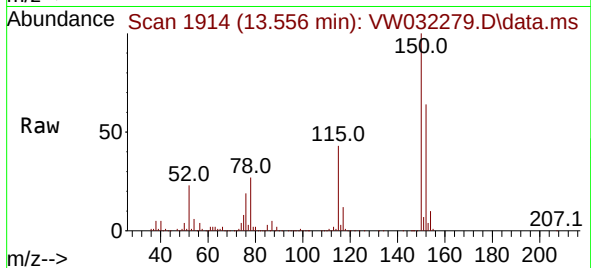
Tgt Ion:152 Resp: 175797

Ion Ratio Lower Upper

152 100

115 65.7 32.5 97.5

150 158.2 0.0 370.2



#76

1,2,3-Trichloropropane

Concen: 33.572 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032279.D

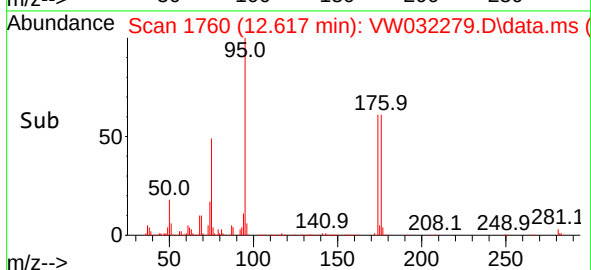
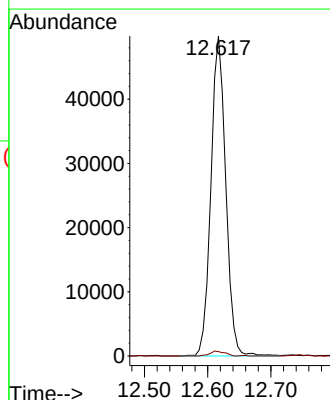
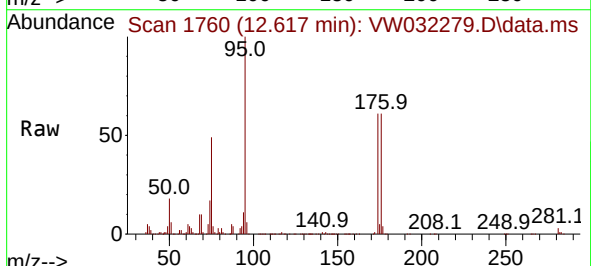
Acq: 26 Sep 2025 14:45

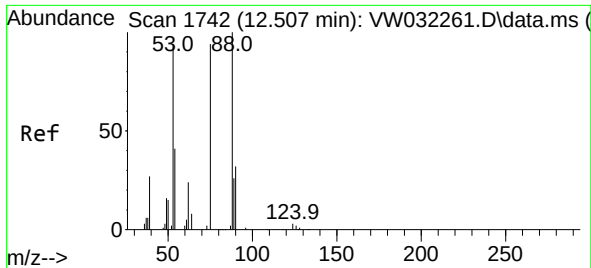
Tgt Ion: 75 Resp: 81195

Ion Ratio Lower Upper

75 100

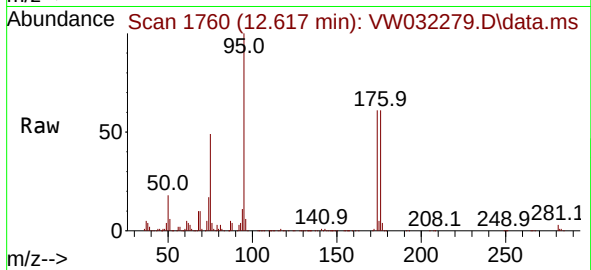
77 1.5 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.200 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032279.D
 Acq: 26 Sep 2025 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	81.4	122.2#
89	0.0	35.4	53.2#

