

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032286.D
 Acq On : 26 Sep 2025 17:20
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 29 08:42:01 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)

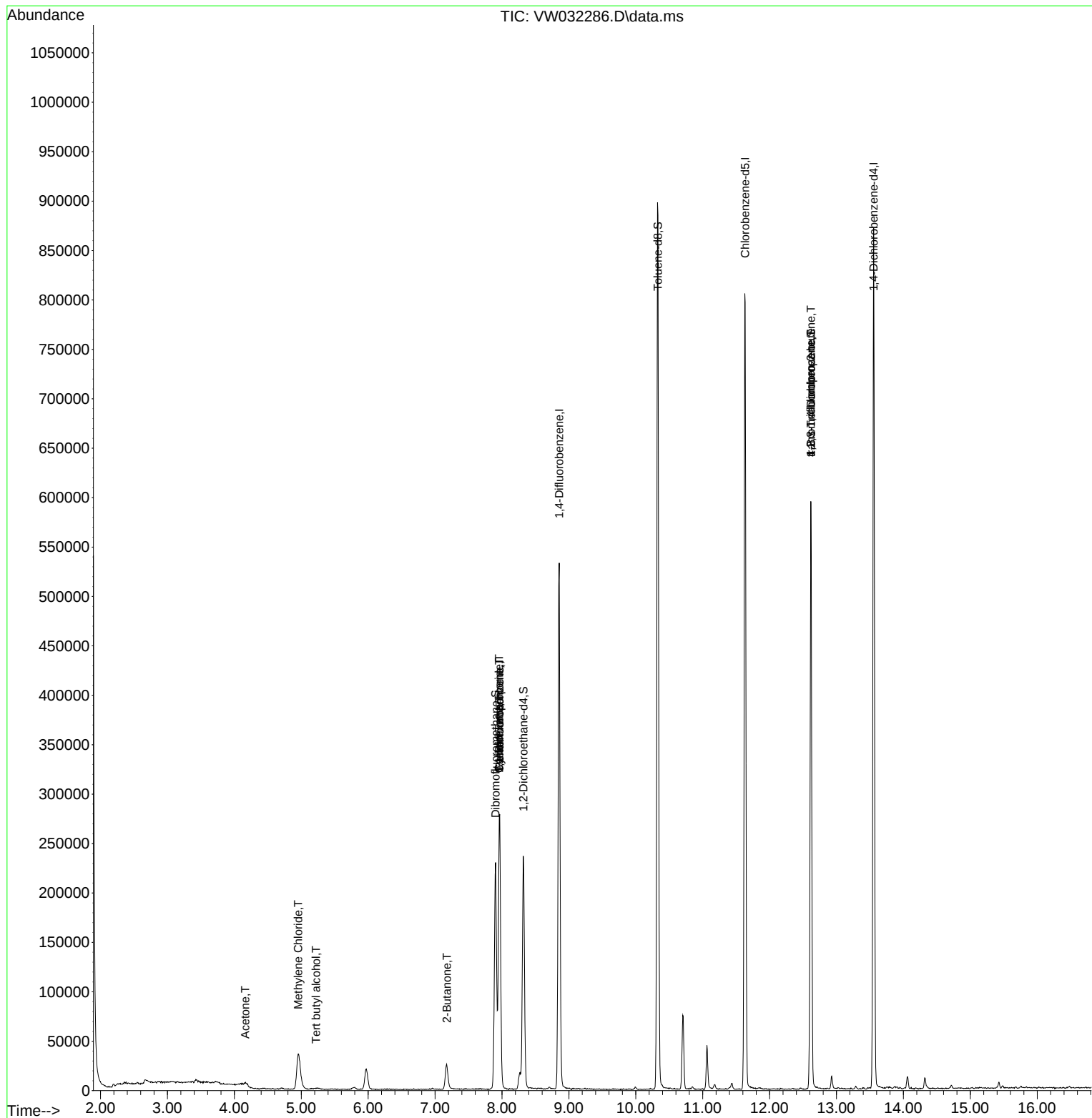
Internal Standards						
1) Pentafluorobenzene	7.965	168	187935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	431284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	458079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	190562	64.217	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 128.440%		
35) Dibromofluoromethane	7.904	113	165967	53.509	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.020%		
50) Toluene-d8	10.331	98	594734	53.204	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.400%		
62) 4-Bromofluorobenzene	12.617	95	204586	48.520	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 97.040%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	345	1.675	ug/l #	91
16) Acetone	4.161	43	2081	2.731	ug/l	91
20) Methylene Chloride	4.954	84	34044	5.679	ug/l	97
25) 2-Butanone	7.179	43	1725	1.624	ug/l #	47
31) Cyclohexane	7.959	56	5194	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18837	4.505	ug/l #	49
38) Carbon Tetrachloride	7.959	117	21475	5.459	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	105188	34.333	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	105188	89.178	ug/l #	9

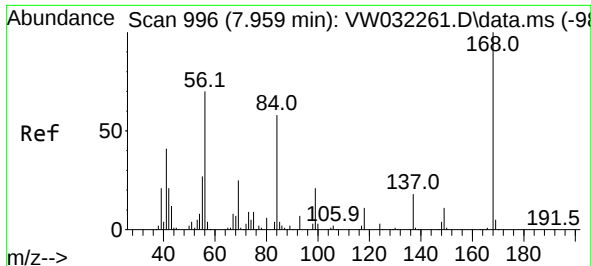
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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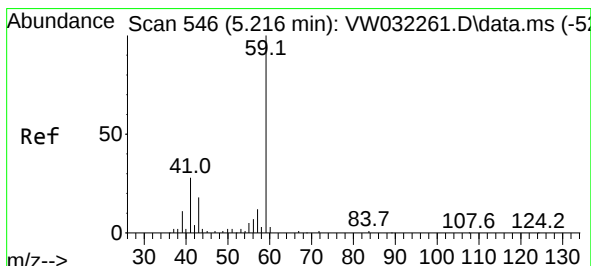
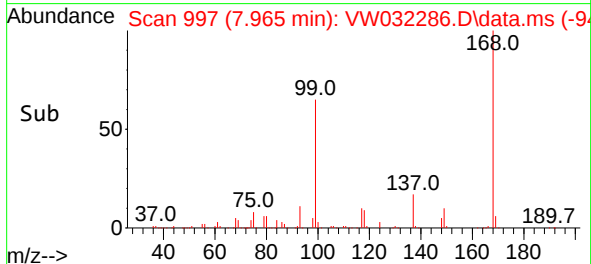
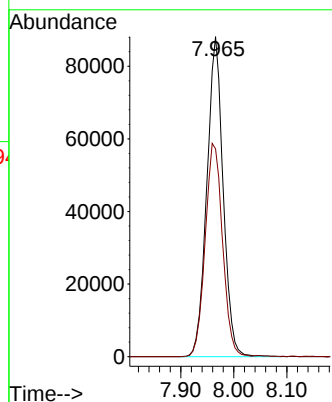
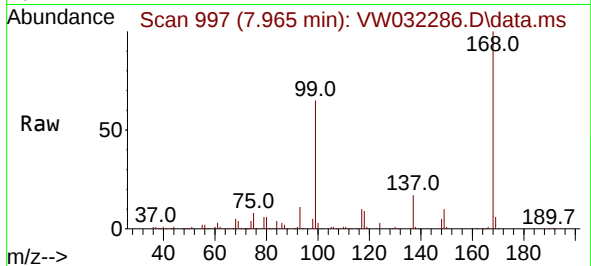




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

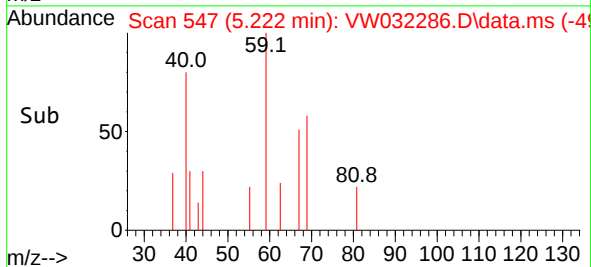
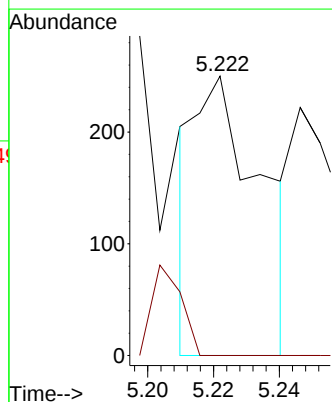
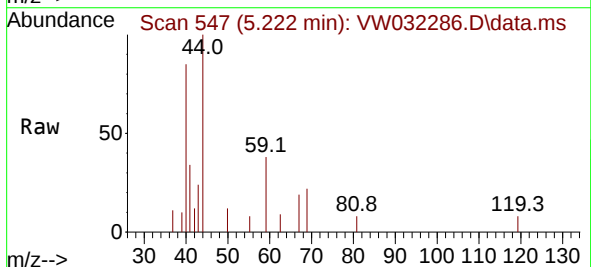
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

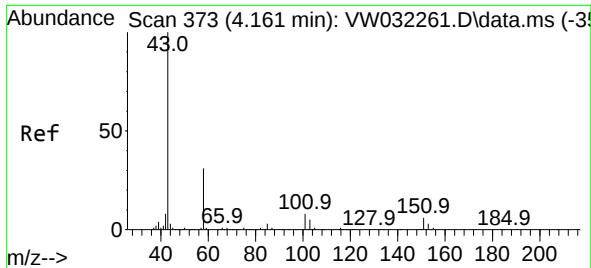
Tgt Ion:168 Resp: 187935
Ion Ratio Lower Upper
168 100
99 64.9 55.0 82.4



#11
Tert butyl alcohol
Concen: 1.675 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 14.5 8.9 13.3#

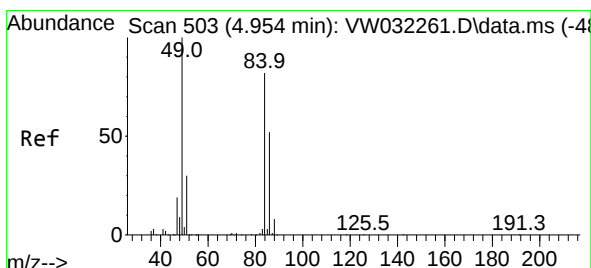
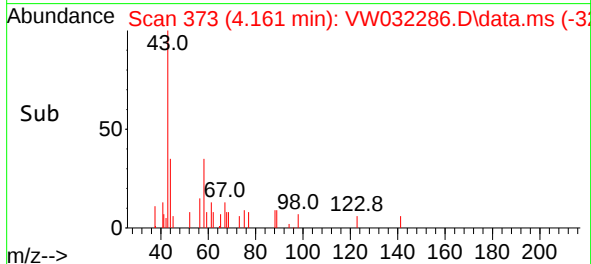
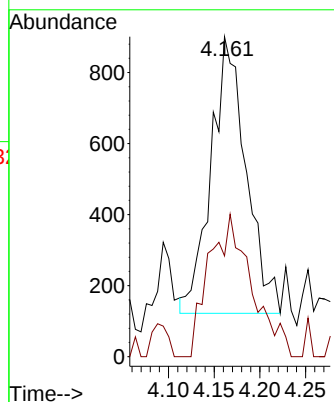
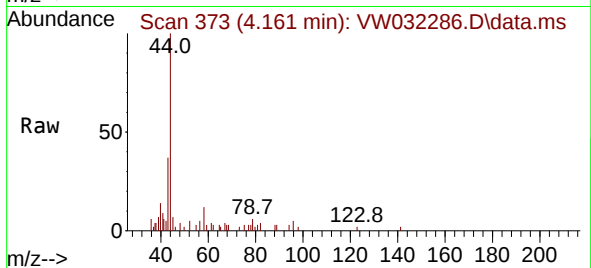




#16
Acetone
Concen: 2.731 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

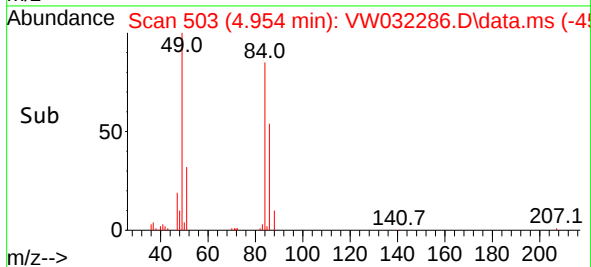
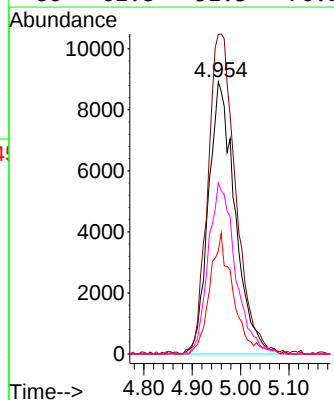
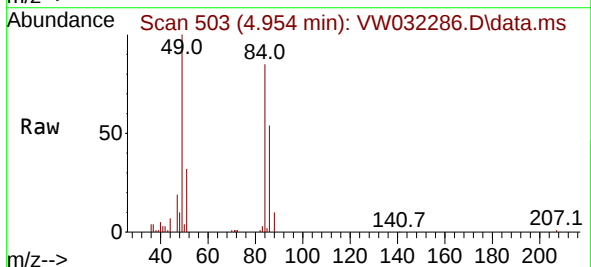
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

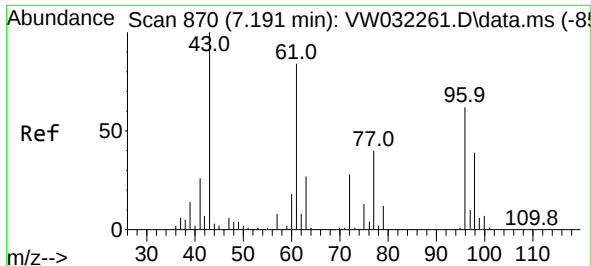
Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 36.5 25.4 38.0



#20
Methylene Chloride
Concen: 5.679 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

Tgt Ion: 84 Resp: 34044
Ion Ratio Lower Upper
84 100
49 117.3 97.8 146.6
51 37.8 29.9 44.9
86 62.8 51.3 76.9

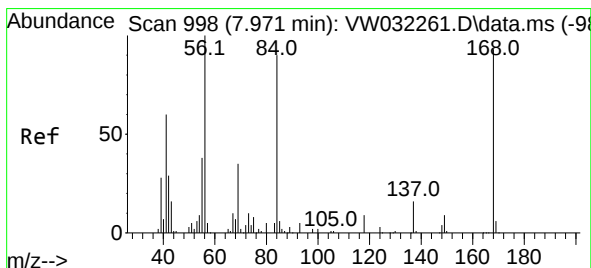
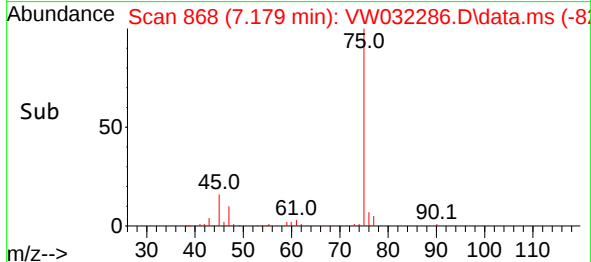
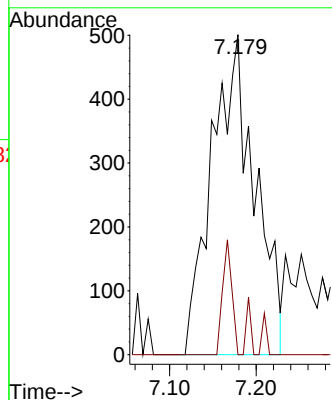
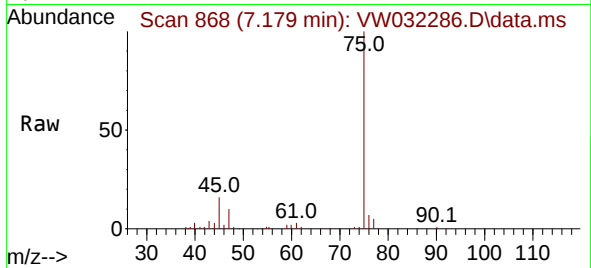




#25
2-Butanone
Concen: 1.624 ug/l
RT: 7.179 min Scan# 80
Delta R.T. -0.012 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

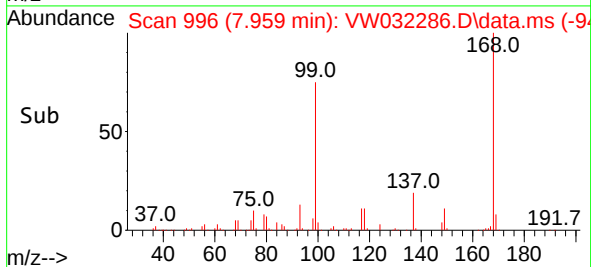
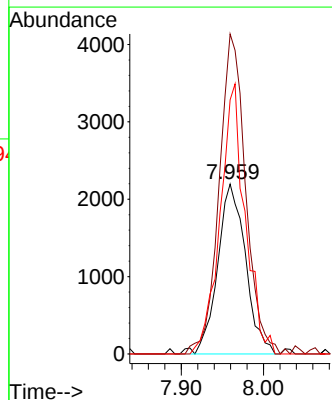
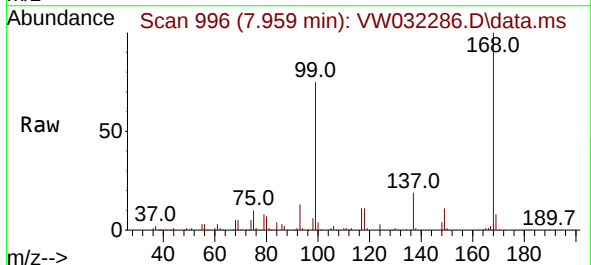
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

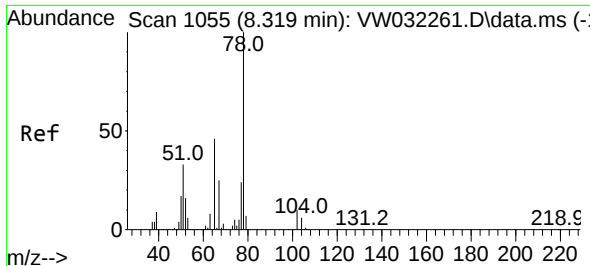
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

Tgt Ion: 56 Resp: 5194
Ion Ratio Lower Upper
56 100
69 188.3 28.2 42.2#
84 149.5 71.8 107.6#

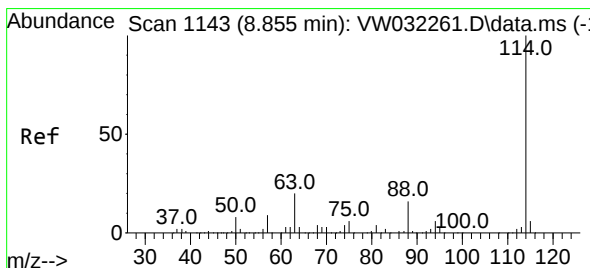
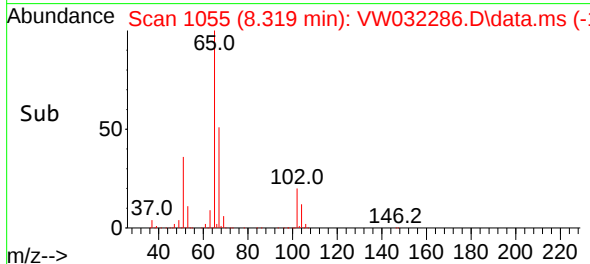
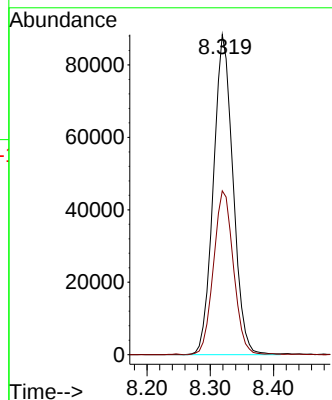
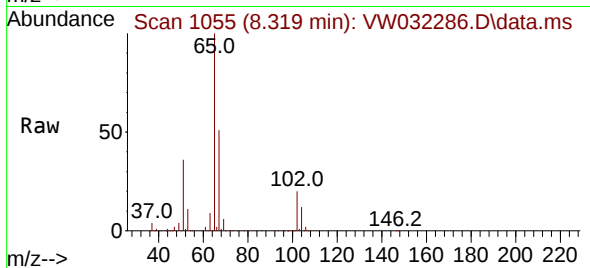




#33
 1,2-Dichloroethane-d4
 Concen: 64.217 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032286.D
 Acq: 26 Sep 2025 17:20

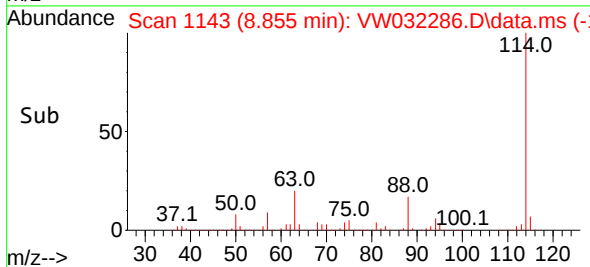
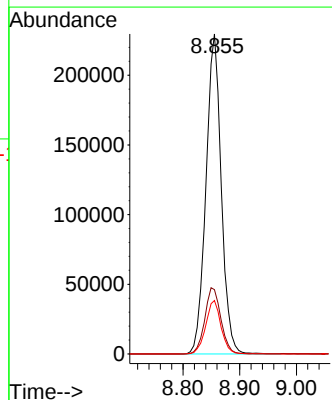
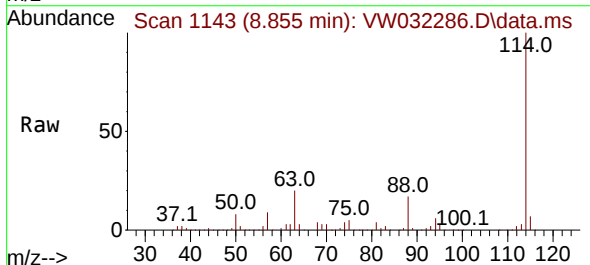
Instrument :
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 ClientSampleId :
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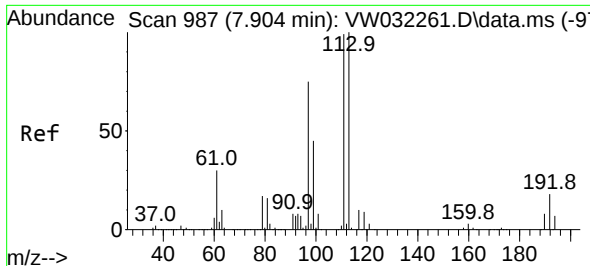
Tgt Ion: 65 Resp: 190562
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032286.D
 Acq: 26 Sep 2025 17:20

Tgt Ion: 114 Resp: 431284
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 16.7 0.0 32.0

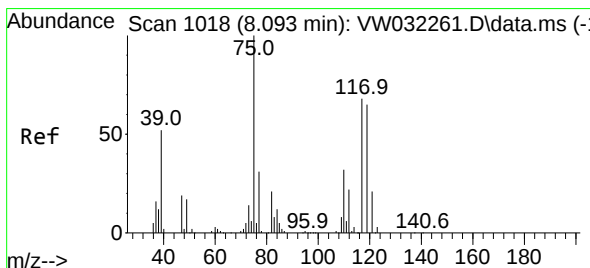
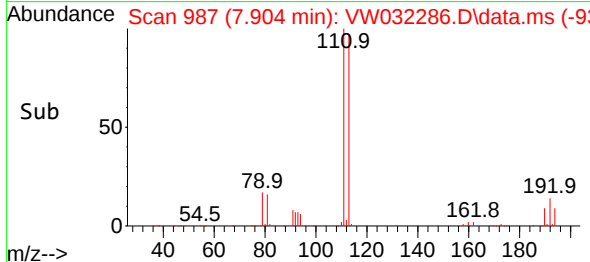
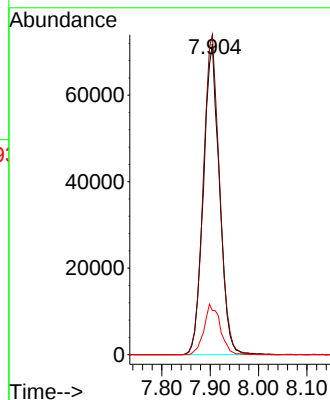
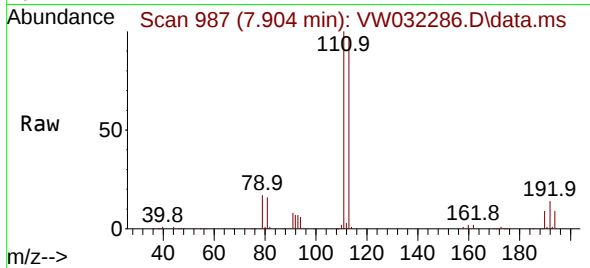




#35
 Dibromofluoromethane
 Concen: 53.509 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW032286.D
 Acq: 26 Sep 2025 17:20

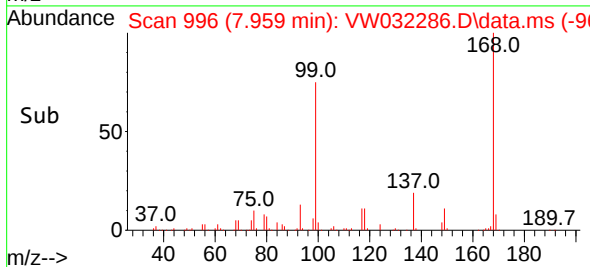
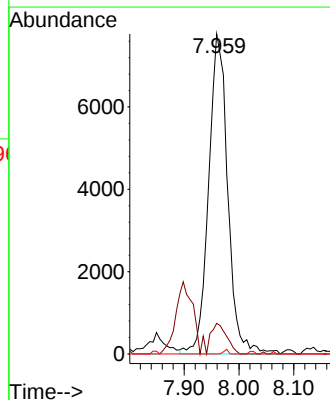
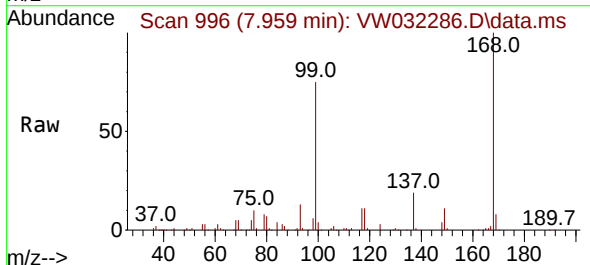
Instrument :
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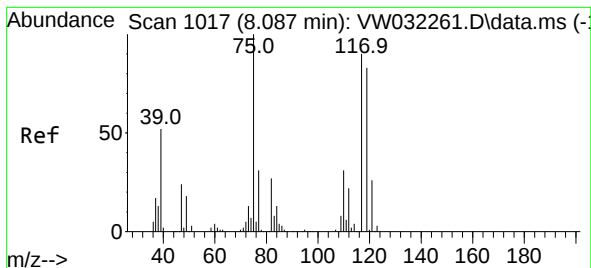
Tgt Ion: 113 Resp: 165967
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.8
 192 16.3 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.505 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032286.D
 Acq: 26 Sep 2025 17:20

Tgt Ion: 75 Resp: 18837
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.7 50.1#
 77 0.3 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032286.D

Acq: 26 Sep 2025 17:20

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

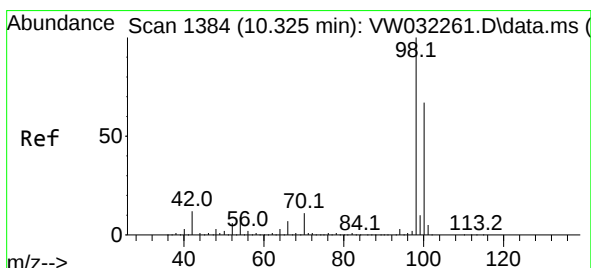
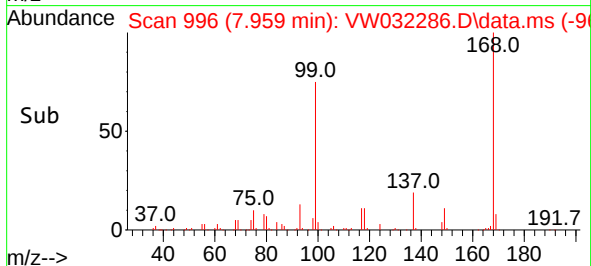
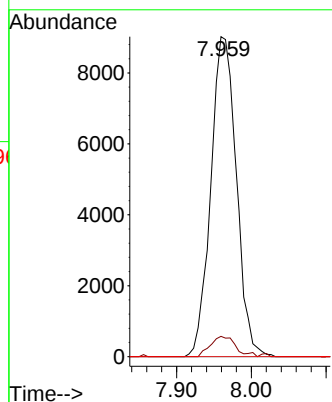
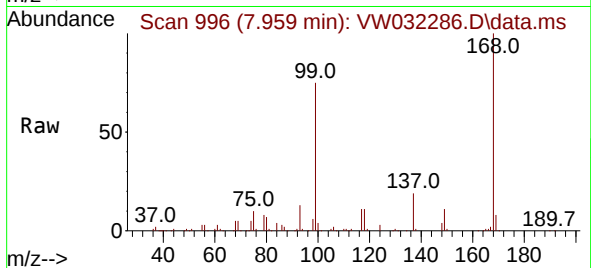
Tgt Ion:117 Resp: 21475

Ion Ratio Lower Upper

117 100

119 6.4 73.9 110.9#

121 0.0 23.0 34.6#



#50

Toluene-d8

Concen: 53.204 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032286.D

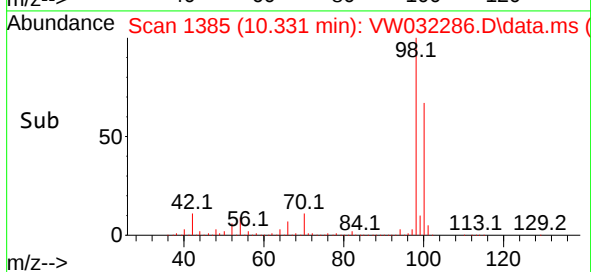
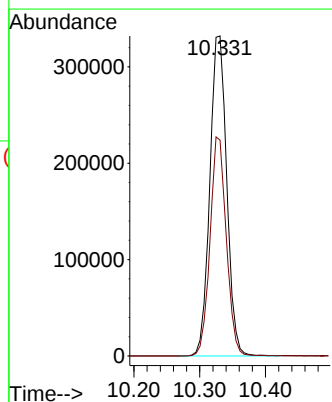
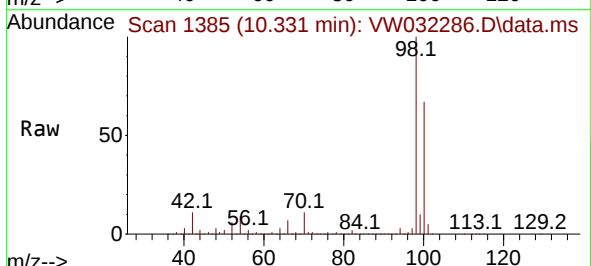
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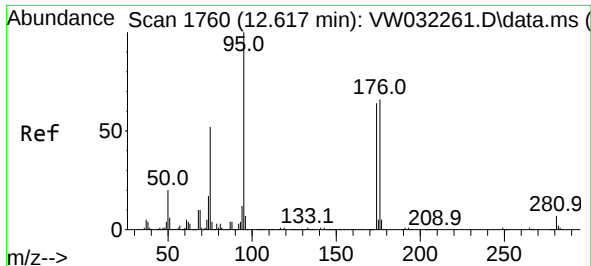
Tgt Ion: 98 Resp: 594734

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4

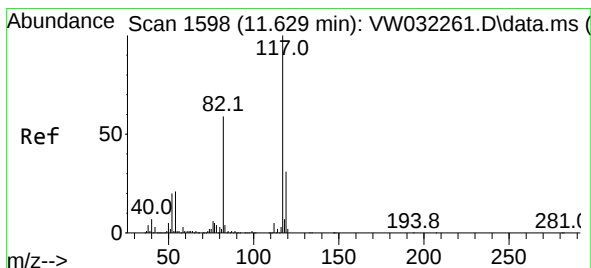
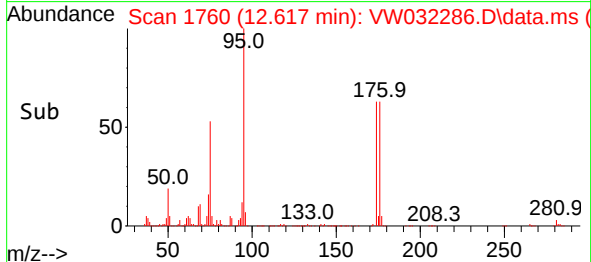
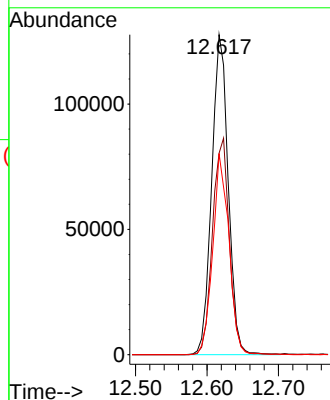
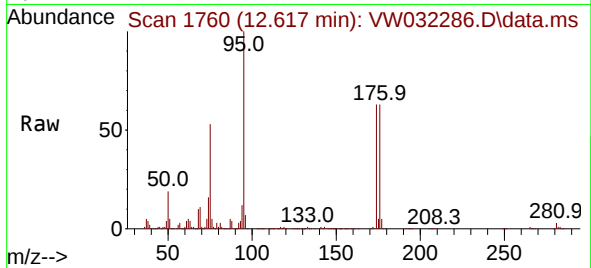




#62
4-Bromofluorobenzene
Concen: 48.520 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

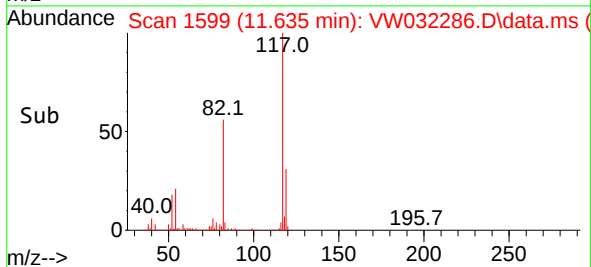
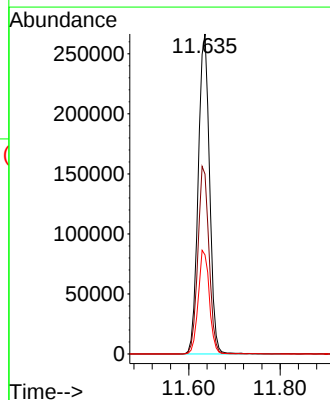
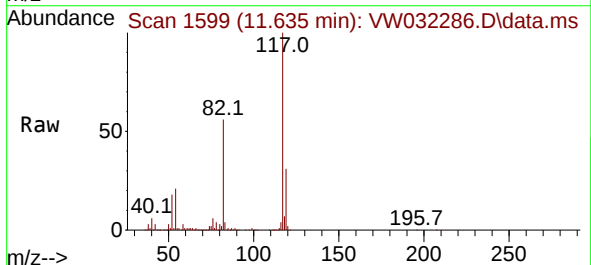
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

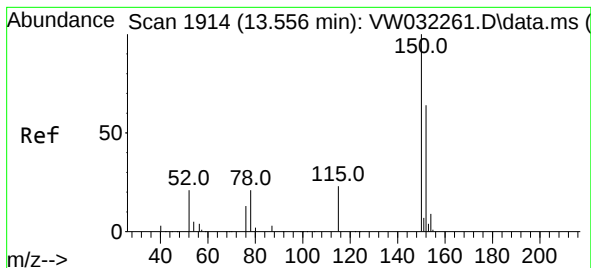
Tgt Ion: 95 Resp: 204586
Ion Ratio Lower Upper
95 100
174 69.0 0.0 130.6
176 61.6 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032286.D
Acq: 26 Sep 2025 17:20

Tgt Ion: 117 Resp: 458079
Ion Ratio Lower Upper
117 100
82 56.2 46.9 70.3
119 30.9 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: VW032286.D

Acq: 26 Sep 2025 17:20

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

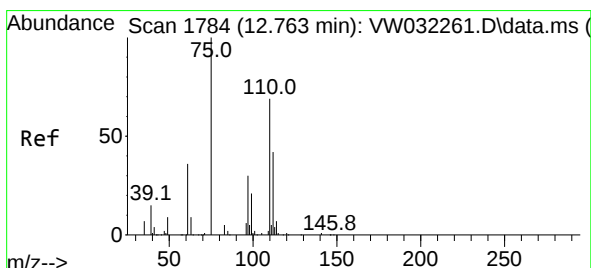
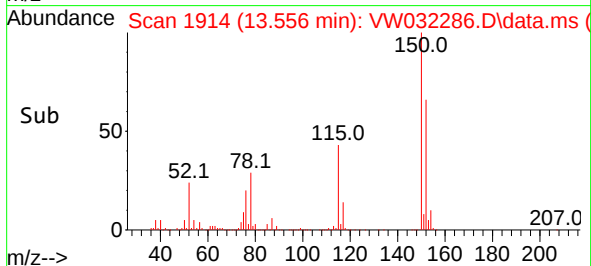
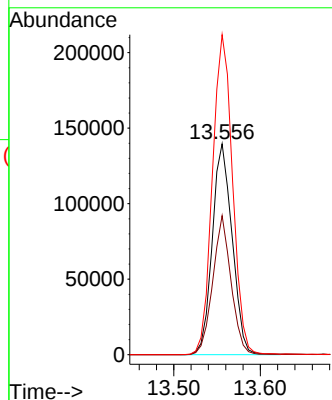
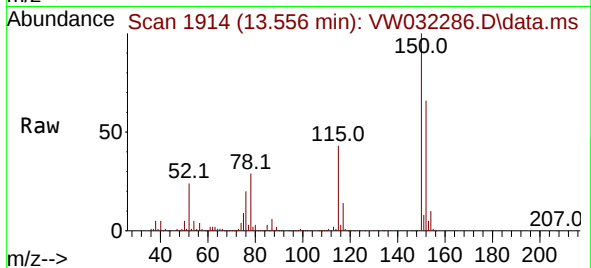
Tgt Ion:152 Resp: 222694

Ion Ratio Lower Upper

152 100

115 60.9 32.5 97.5

150 153.8 0.0 370.2



#76

1,2,3-Trichloropropane

Concen: 34.333 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032286.D

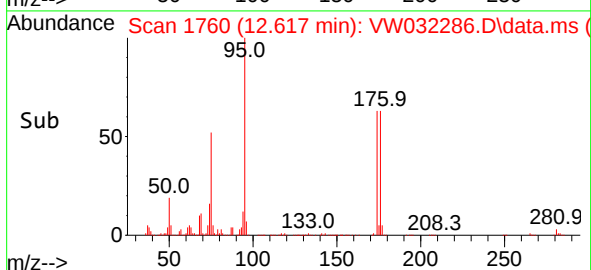
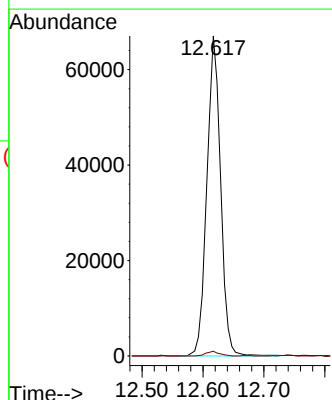
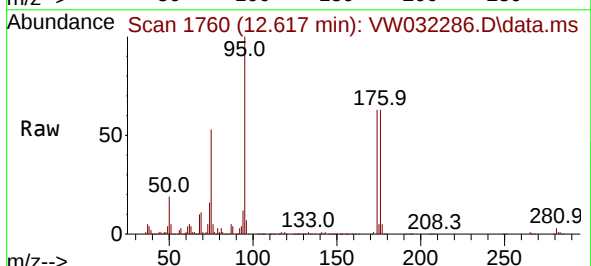
Acq: 26 Sep 2025 17:20

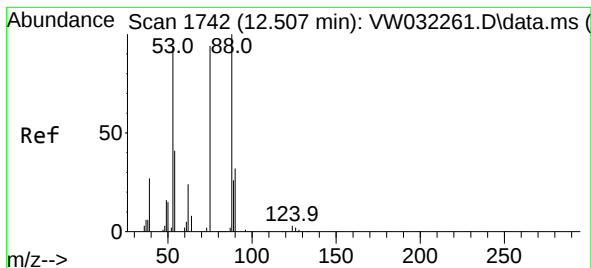
Tgt Ion: 75 Resp: 105188

Ion Ratio Lower Upper

75 100

77 1.4 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.178 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032286.D
 Acq: 26 Sep 2025 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 105188
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.4 122.2#
 89 0.1 35.4 53.2#

