

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032284.D
 Acq On : 26 Sep 2025 16:37
 Operator : SY/MD
 Sample : Q3231-11
 Misc : 5.13g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Quant Time: Sep 29 08:41:16 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)

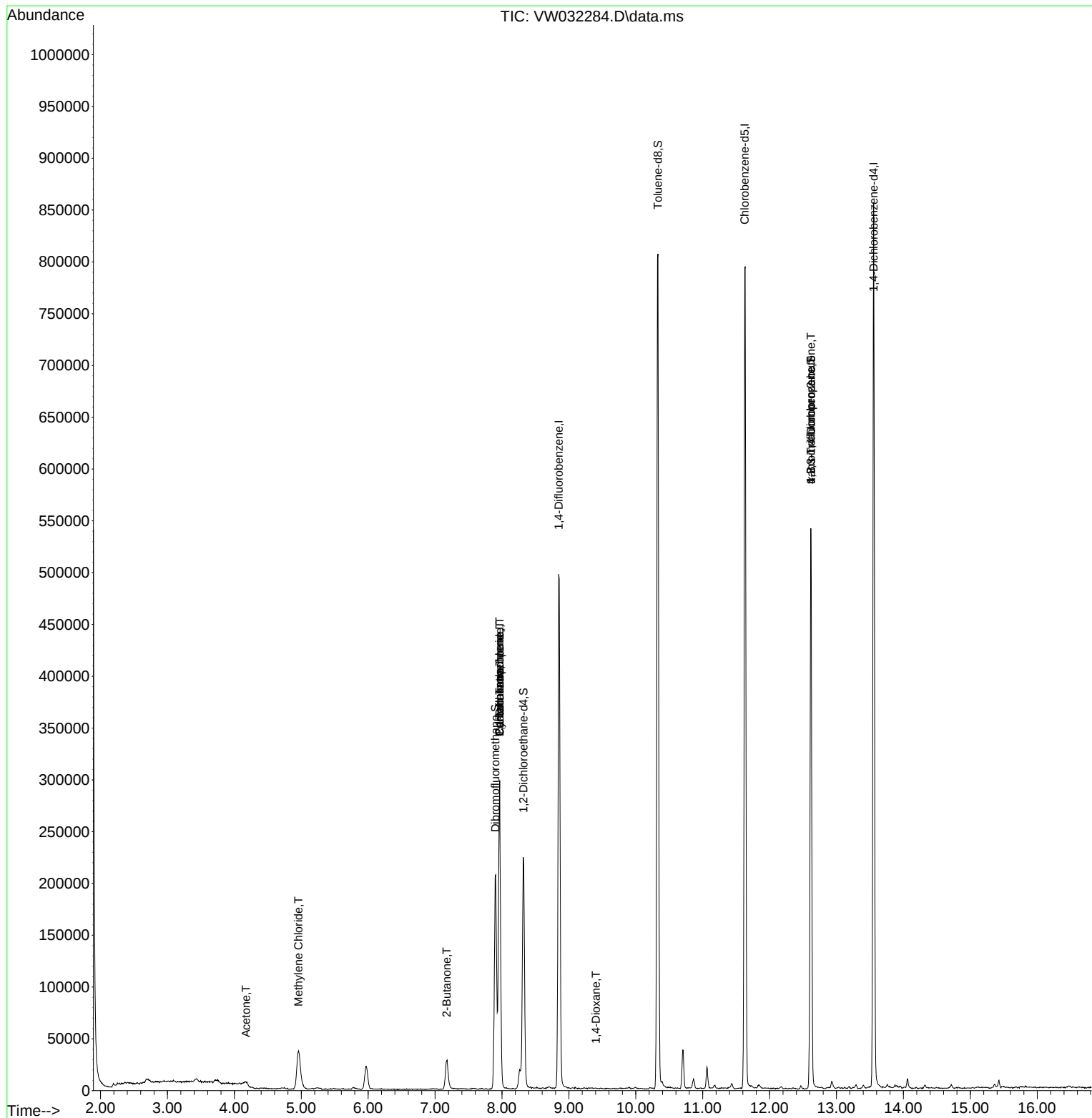
Internal Standards						
1) Pentafluorobenzene	7.965	168	191658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	440614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	210831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	181827	60.084	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.160%		
35) Dibromofluoromethane	7.898	113	151210	49.980	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.960%		
50) Toluene-d8	10.331	98	551929	50.619	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.240%		
62) 4-Bromofluorobenzene	12.617	95	188750	45.893	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 91.780%		
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	3909	5.030	ug/l	96
20) Methylene Chloride	4.960	84	34759	5.696	ug/l	90
25) 2-Butanone	7.173	43	1222	1.128	ug/l #	77
31) Cyclohexane	7.965	56	5055	1.294	ug/l #	14
36) 1,1-Dichloropropene	7.965	75	18541	4.546	ug/l #	48
38) Carbon Tetrachloride	7.965	117	21787	5.677	ug/l #	19
49) 1,4-Dioxane	9.404	88	45	1.643	ug/l #	58
76) 1,2,3-Trichloropropane	12.617	75	97407	33.582	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	97407	87.228	ug/l #	9

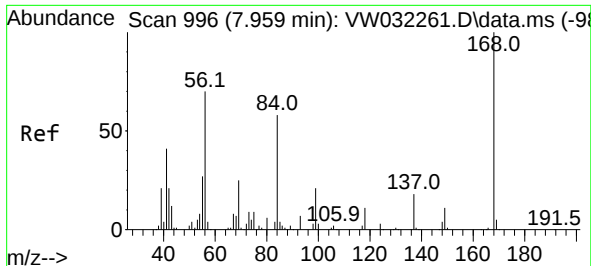
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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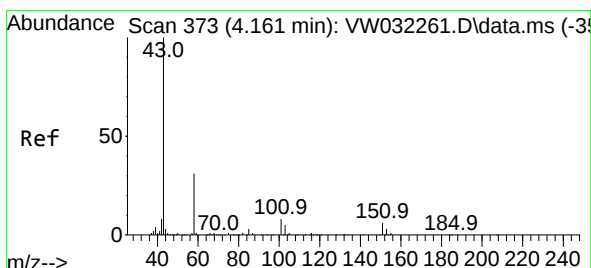
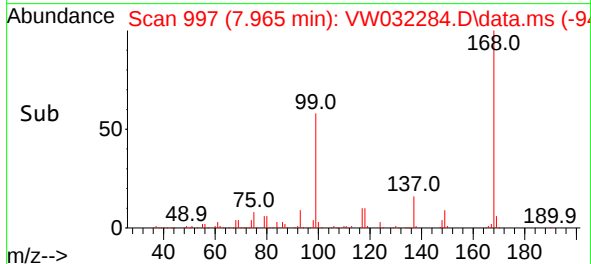
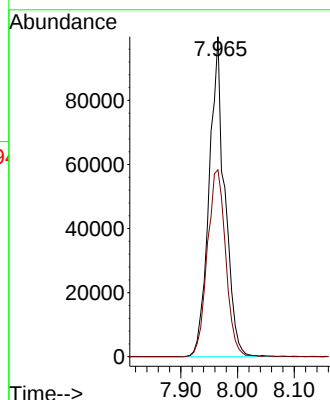
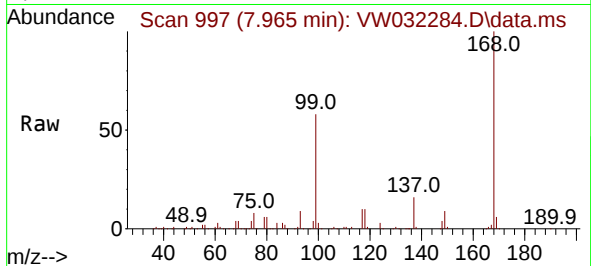




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

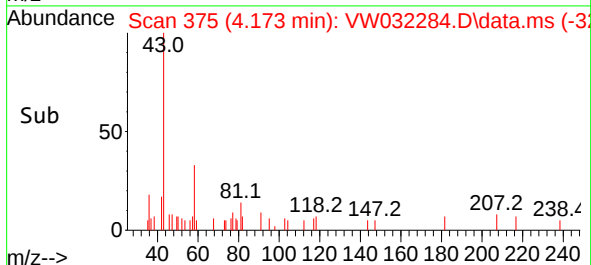
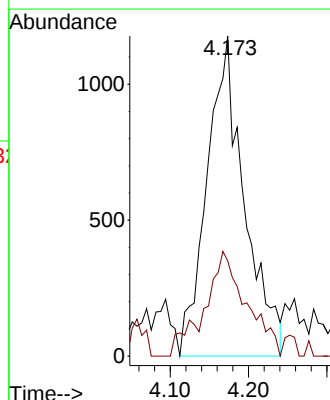
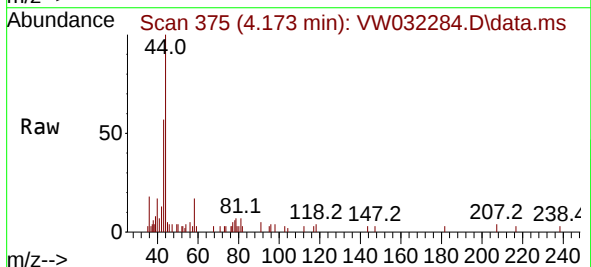
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

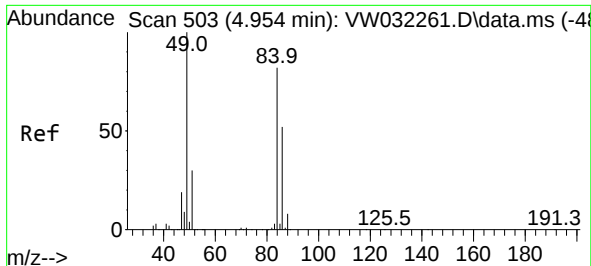
Tgt Ion:168 Resp: 191658
Ion Ratio Lower Upper
168 100
99 58.4 55.0 82.4



#16
Acetone
Concen: 5.030 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 43 Resp: 3909
Ion Ratio Lower Upper
43 100
58 29.7 25.4 38.0

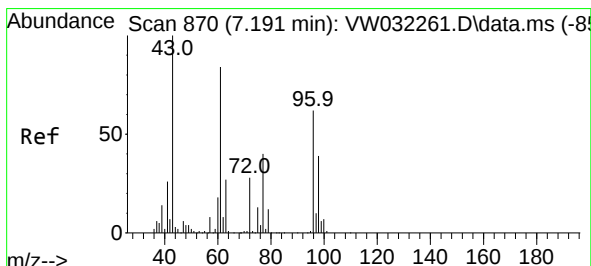
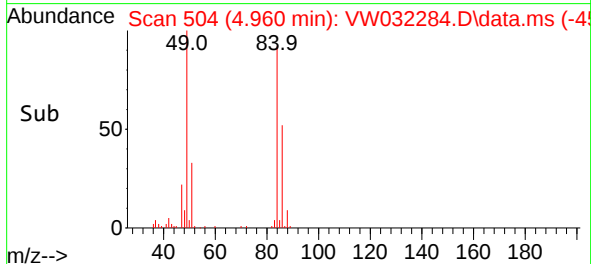
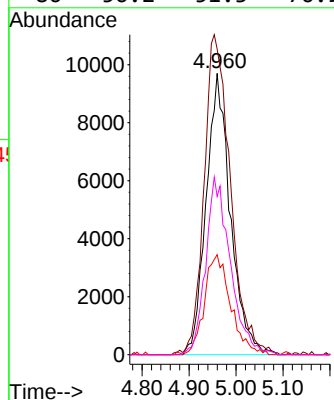
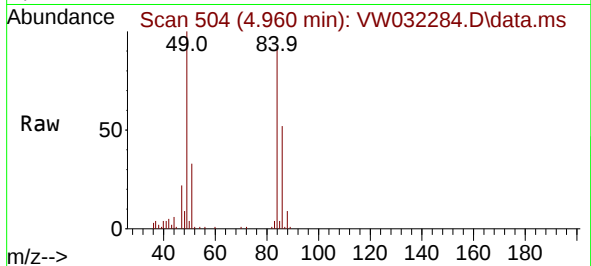




#20
Methylene Chloride
Concen: 5.696 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

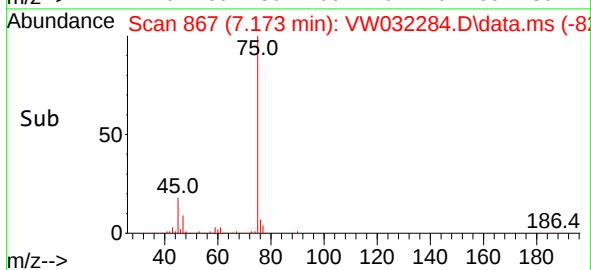
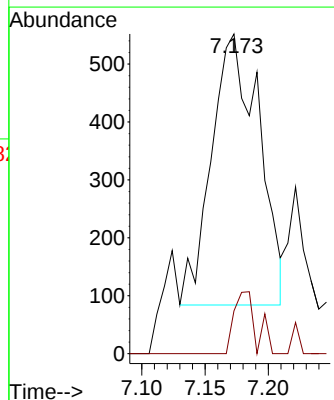
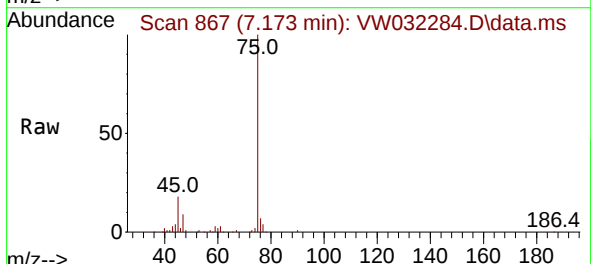
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

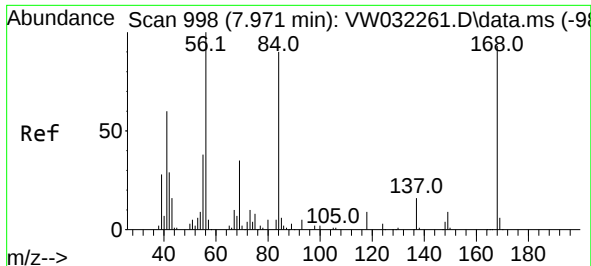
Tgt Ion: 84	Resp: 34759
Ion Ratio	Lower Upper
84 100	
49 108.6	97.8 146.6
51 35.5	29.9 44.9
86 56.2	51.3 76.9



#25
2-Butanone
Concen: 1.128 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 43	Resp: 1222		
Ion Ratio	Lower	Upper	
43 100			
72 15.8	22.3	33.5#	

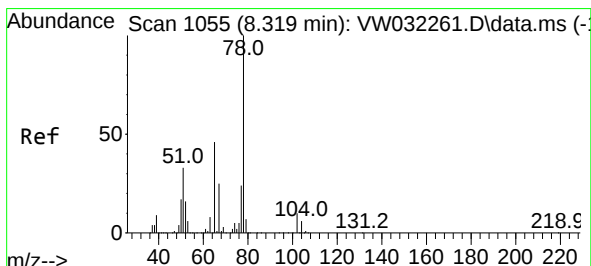
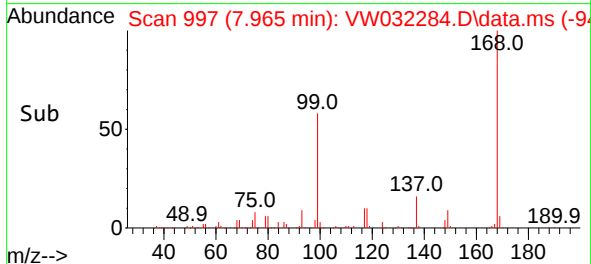
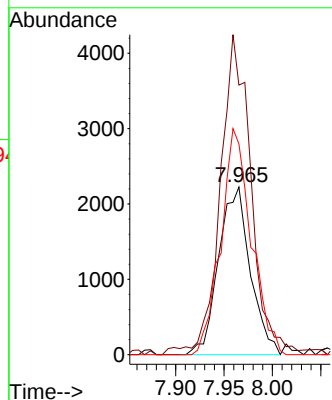
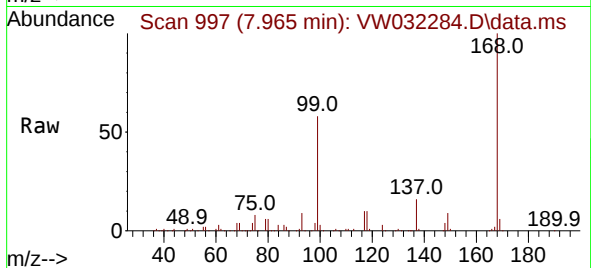




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

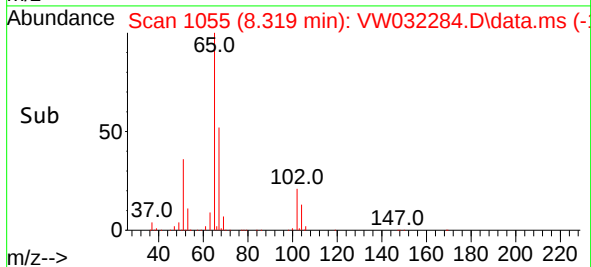
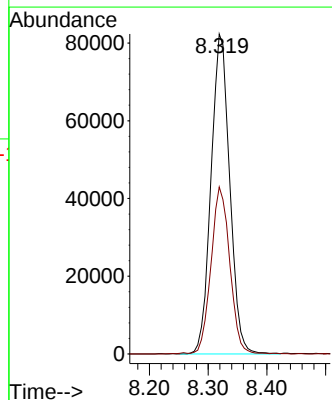
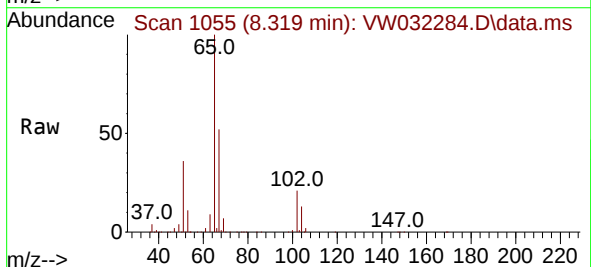
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

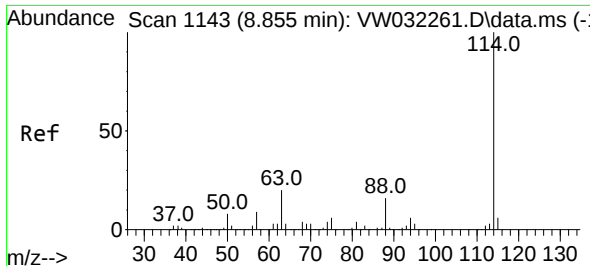
Tgt Ion: 56 Resp: 5055
Ion Ratio Lower Upper
56 100
69 157.1 28.2 42.2#
84 125.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 60.084 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 65 Resp: 181827
Ion Ratio Lower Upper
65 100
67 51.9 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: VW032284.D

Acq: 26 Sep 2025 16:37

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

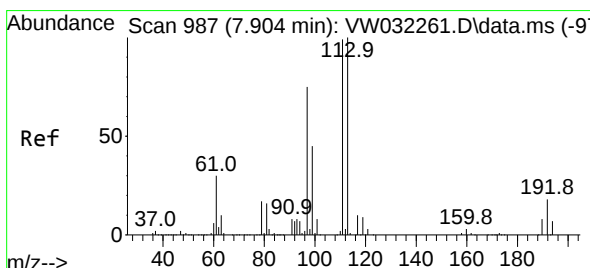
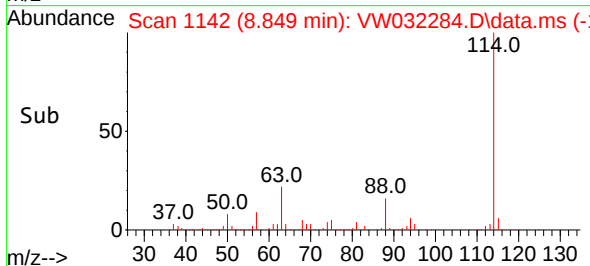
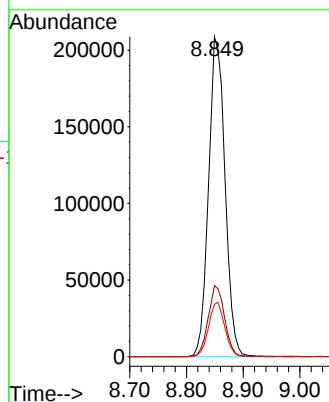
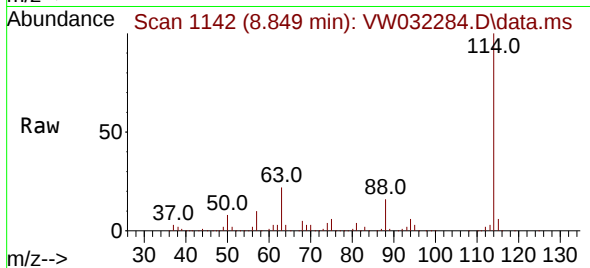
Tgt Ion:114 Resp: 420683

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.2

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.980 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032284.D

Acq: 26 Sep 2025 16:37

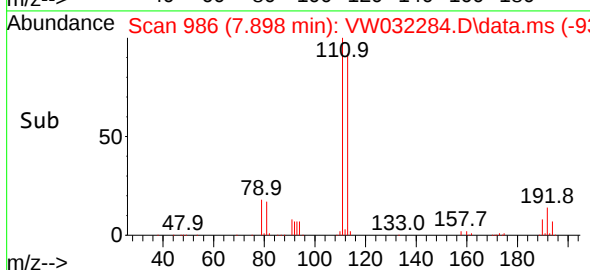
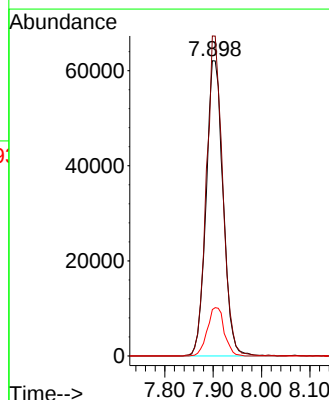
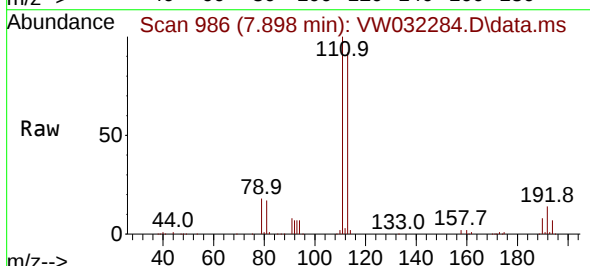
Tgt Ion:113 Resp: 151210

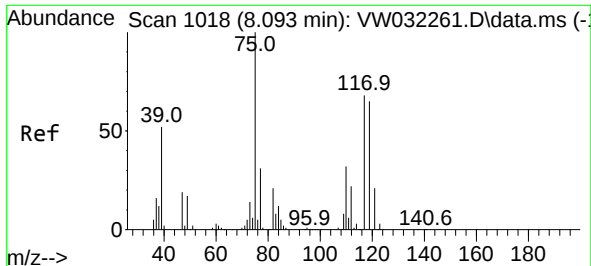
Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 16.3 13.0 19.4

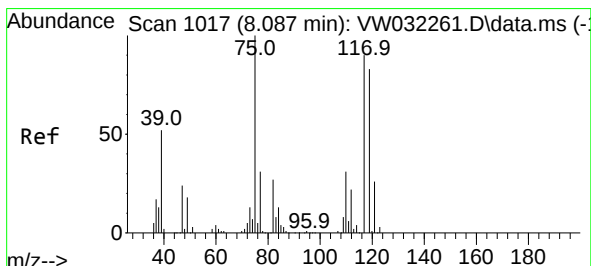
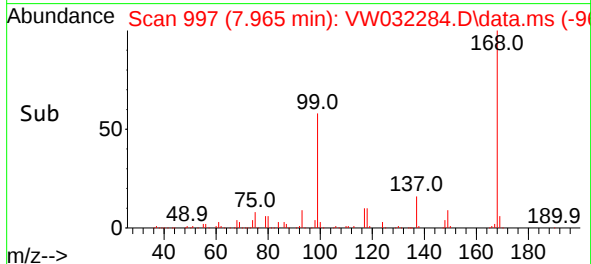
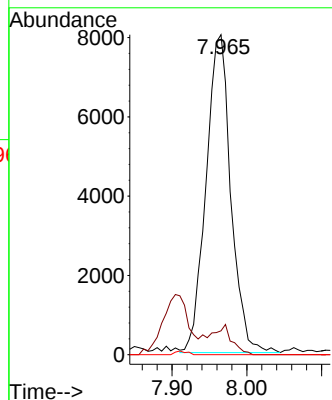
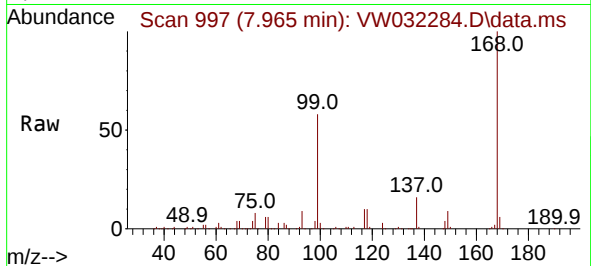




#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.128 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

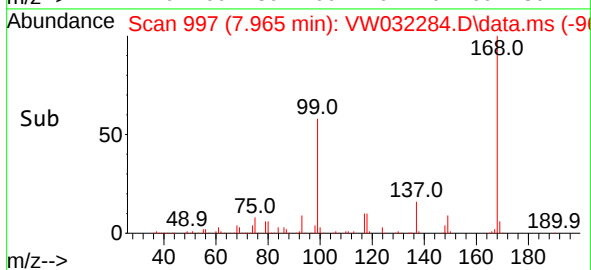
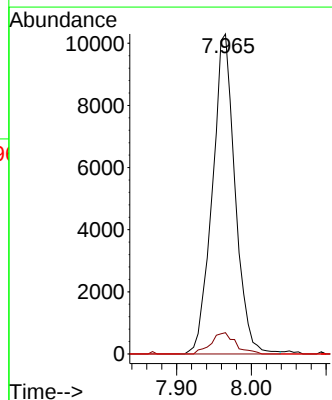
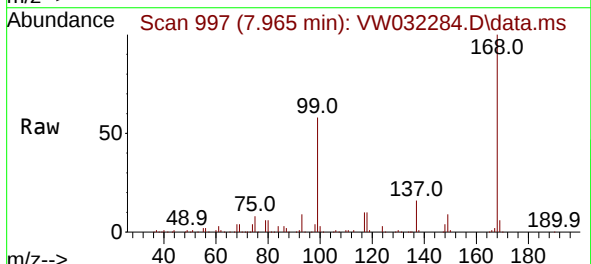
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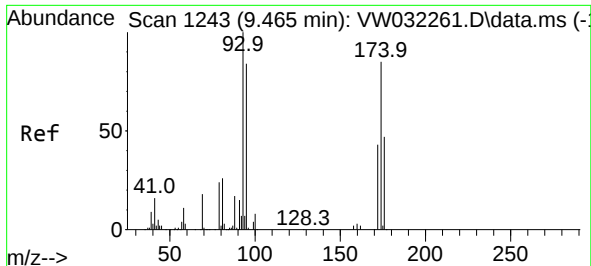
Tgt Ion: 75 Resp: 18541
Ion Ratio Lower Upper
75 100
110 6.8 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 117 Resp: 21787
Ion Ratio Lower Upper
117 100
119 6.7 73.9 110.9#
121 0.0 23.0 34.6#





#49

1,4-Dioxane

Concen: 1.643 ug/l

RT: 9.404 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW032284.D

Acq: 26 Sep 2025 16:37

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

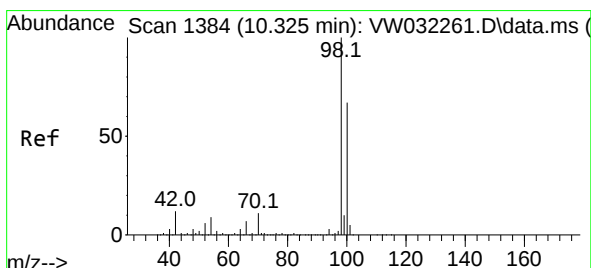
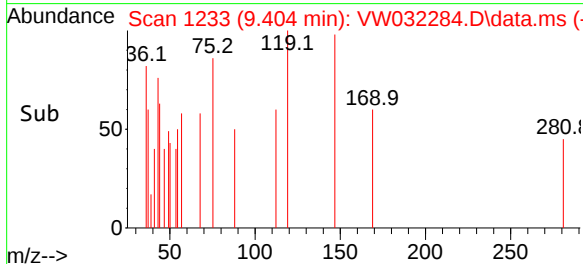
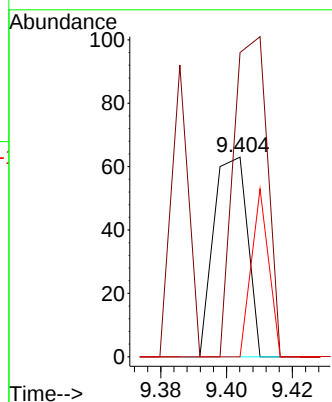
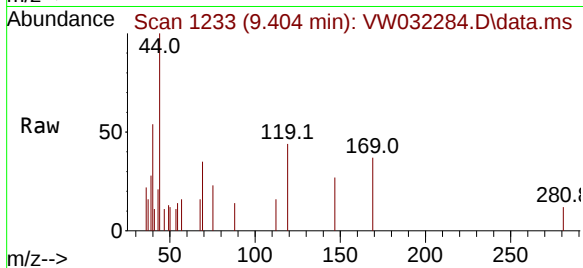
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 160.0 0.0 0.0#

58 42.2 62.9 94.3#



#50

Toluene-d8

Concen: 50.619 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032284.D

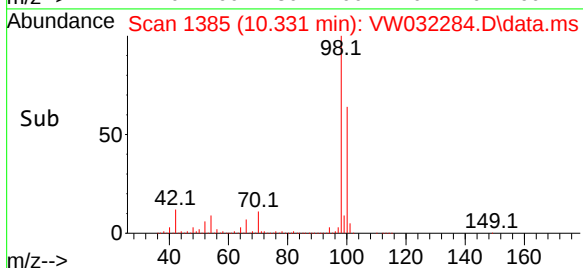
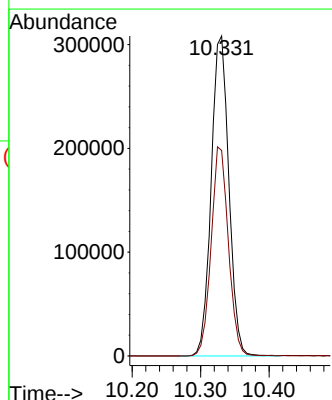
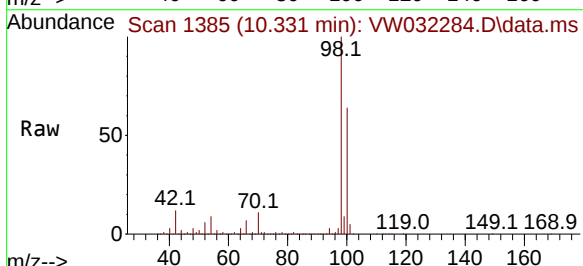
Acq: 26 Sep 2025 16:37

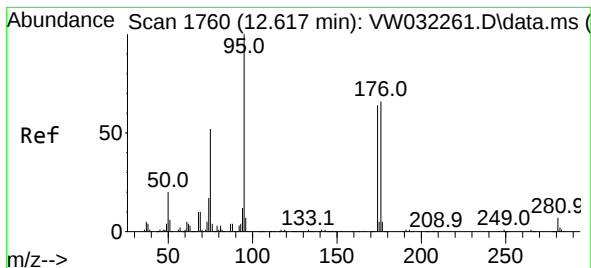
Tgt Ion: 98 Resp: 551929

Ion Ratio Lower Upper

98 100

100 64.0 53.0 79.4

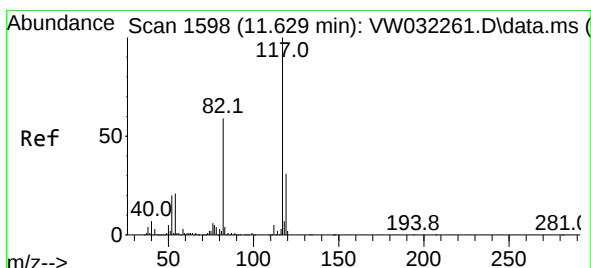
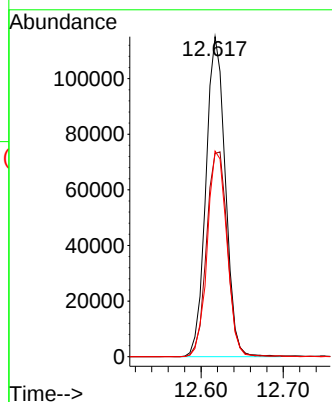
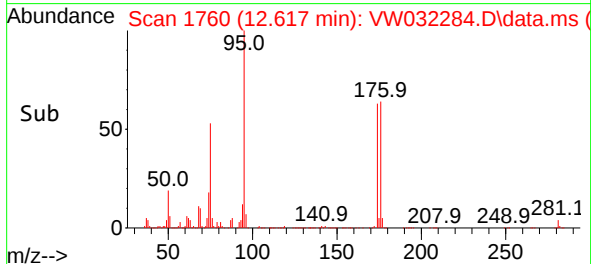
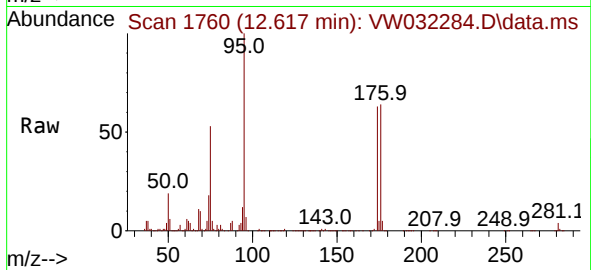




#62
4-Bromofluorobenzene
Concen: 45.893 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

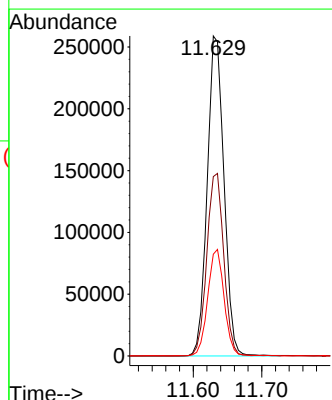
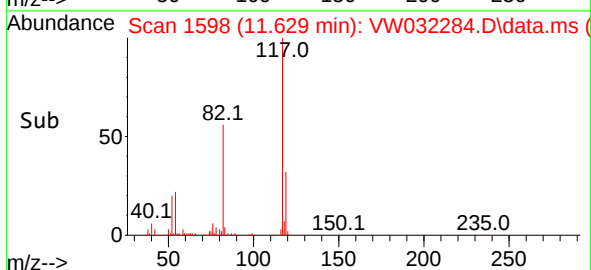
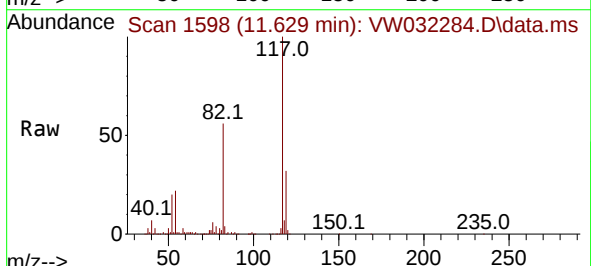
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

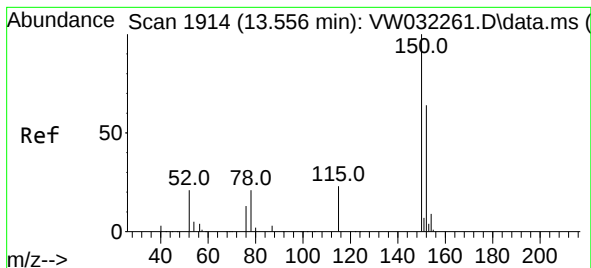
Tgt Ion: 95 Resp: 188750
Ion Ratio Lower Upper
95 100
174 68.7 0.0 130.6
176 65.0 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 117 Resp: 440614
Ion Ratio Lower Upper
117 100
82 56.0 46.9 70.3
119 31.8 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: VW032284.D

Acq: 26 Sep 2025 16:37

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

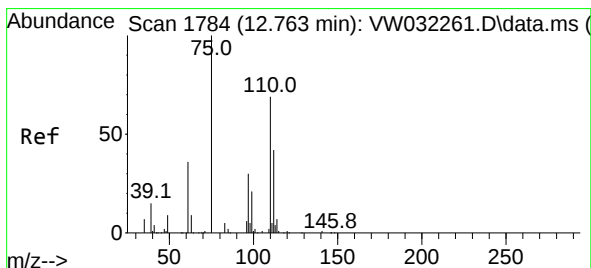
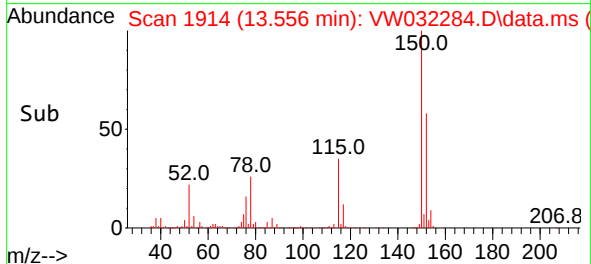
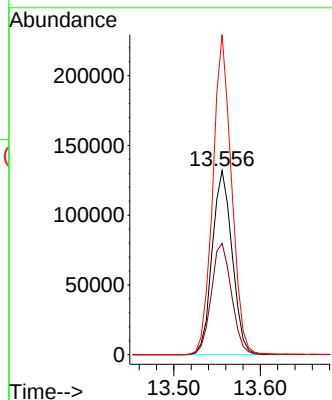
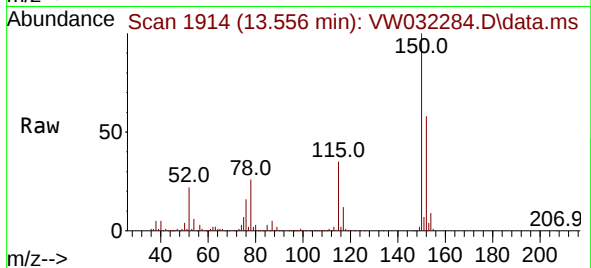
Tgt Ion:152 Resp: 210831

Ion Ratio Lower Upper

152 100

115 61.5 32.5 97.5

150 163.8 0.0 370.2



#76

1,2,3-Trichloropropane

Concen: 33.582 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032284.D

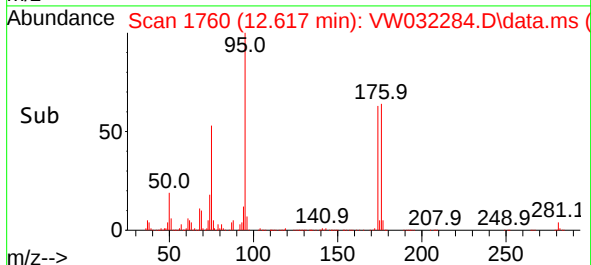
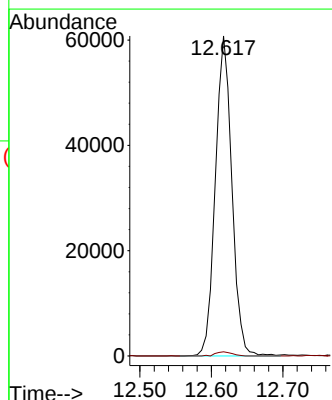
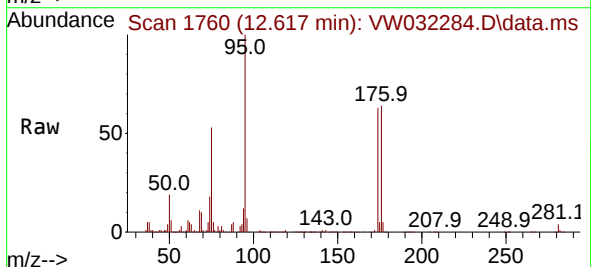
Acq: 26 Sep 2025 16:37

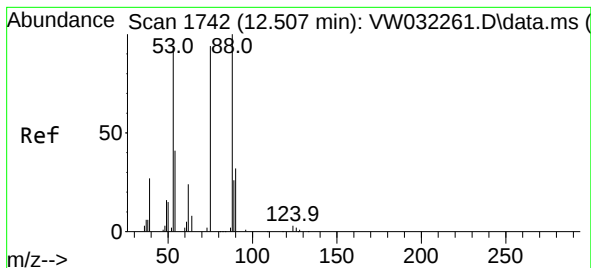
Tgt Ion: 75 Resp: 97407

Ion Ratio Lower Upper

75 100

77 1.3 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.228 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032284.D
 Acq: 26 Sep 2025 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Tgt Ion: 75 Resp: 97407
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.4 122.2#
 89 0.0 35.4 53.2#

