

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032238.D
 Acq On : 23 Sep 2025 14:25
 Operator : SY/MD
 Sample : Q3167-01
 Misc : 3.70g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT4784

Quant Time: Sep 24 03:47:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

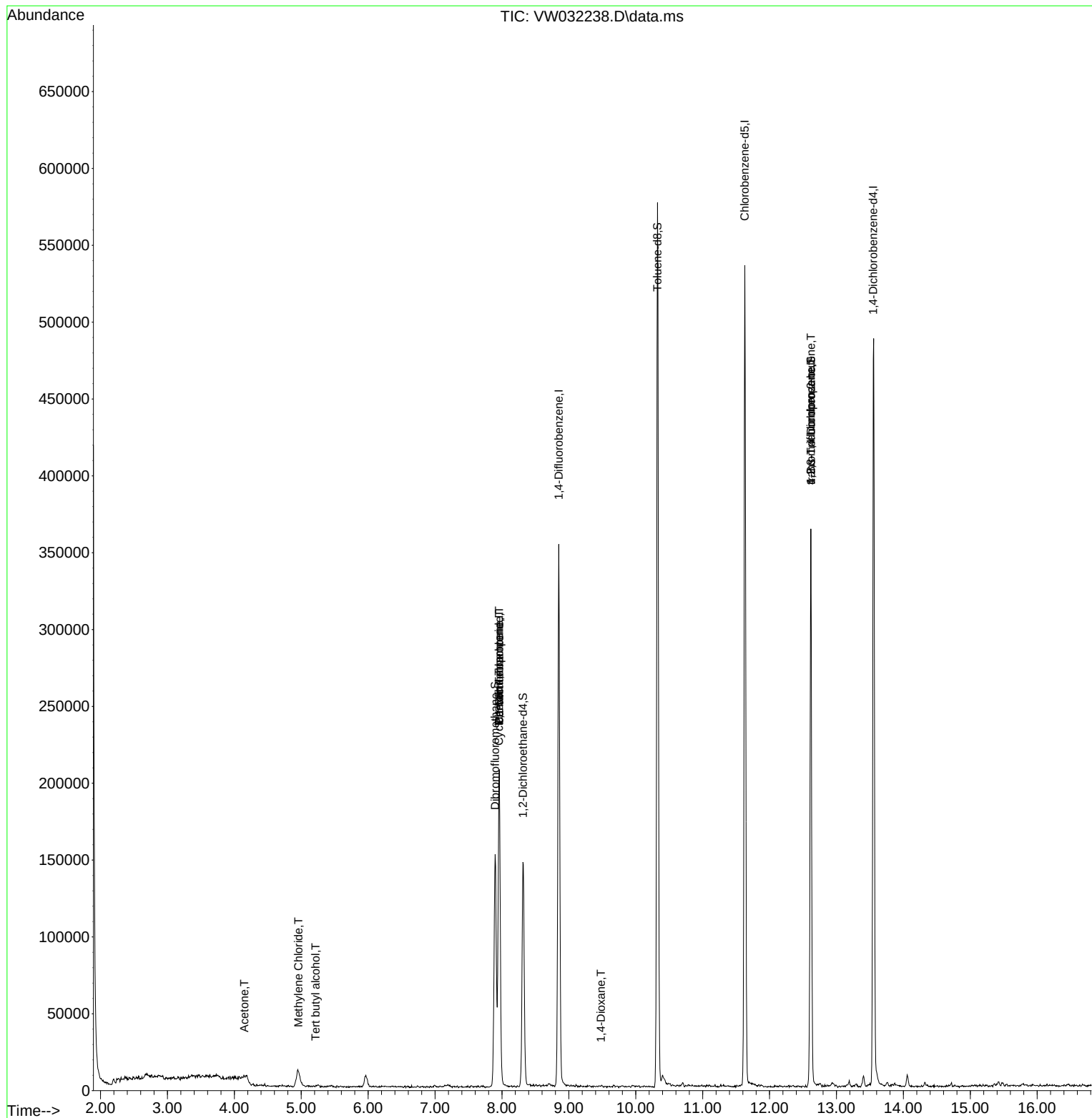
Internal Standards						
1) Pentafluorobenzene	7.959	168	140800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	278284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	281729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	124567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	120592	59.888	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.780%		
35) Dibromofluoromethane	7.898	113	105324	53.945	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.900%		
50) Toluene-d8	10.325	98	367606	53.634	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.260%		
62) 4-Bromofluorobenzene	12.617	95	112275	44.299	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 88.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	205	1.664	ug/l #	69
16) Acetone	4.149	43	2442	5.600	ug/l	90
20) Methylene Chloride	4.960	84	9850	1.909	ug/l #	85
31) Cyclohexane	7.953	56	4049	1.638	ug/l #	12
36) 1,1-Dichloropropene	7.959	75	12714	5.022	ug/l #	53
38) Carbon Tetrachloride	7.959	117	16176	5.961	ug/l #	19
49) 1,4-Dioxane	9.477	88	48	3.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	62427	40.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	62427	107.705	ug/l #	5

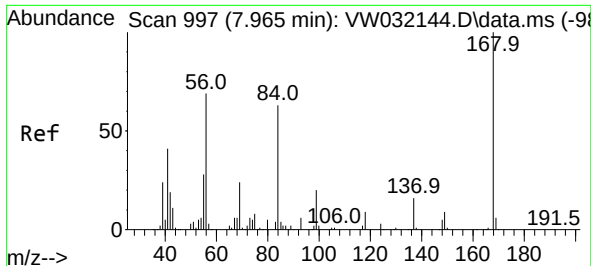
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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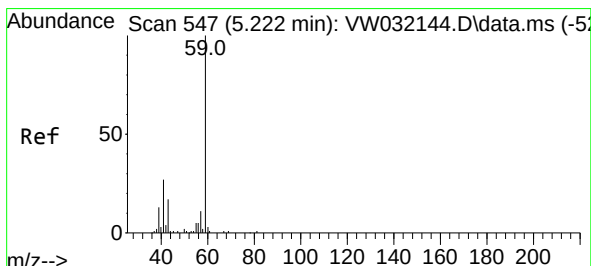
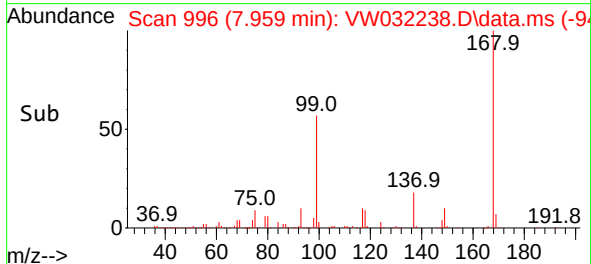
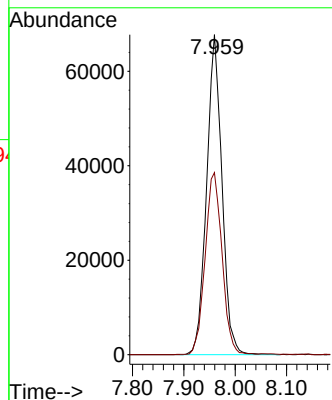
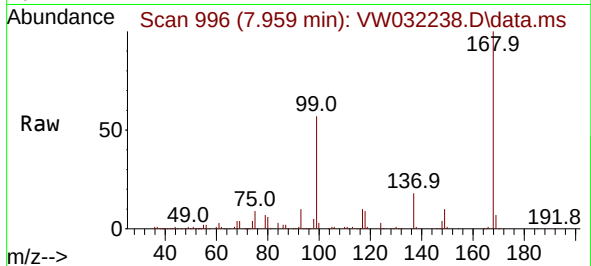




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

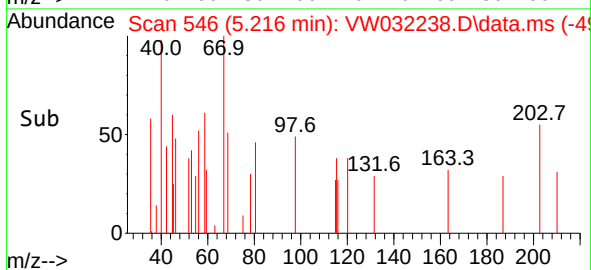
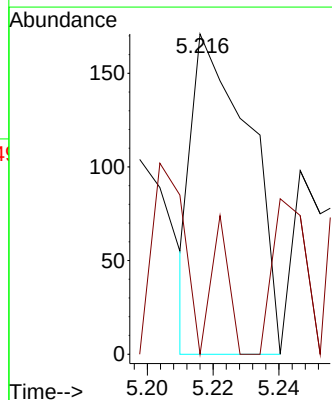
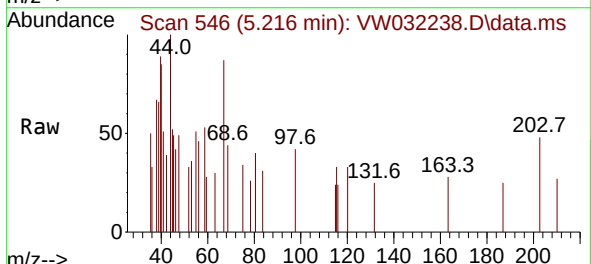
Instrument :
MSVOA_W
ClientSampleId :
RT4784

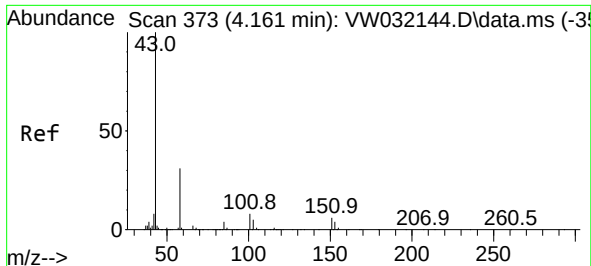
Tgt Ion:168 Resp: 140800
Ion Ratio Lower Upper
168 100
99 56.8 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.664 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

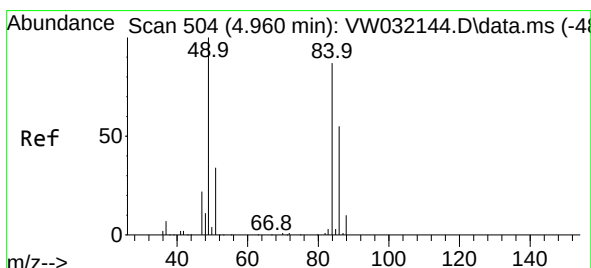
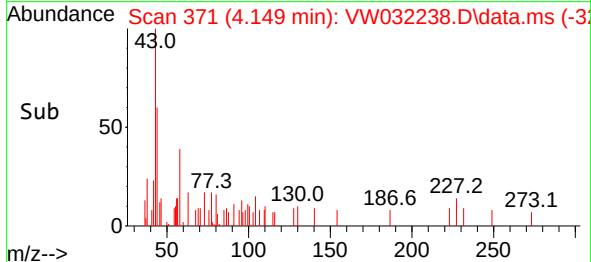
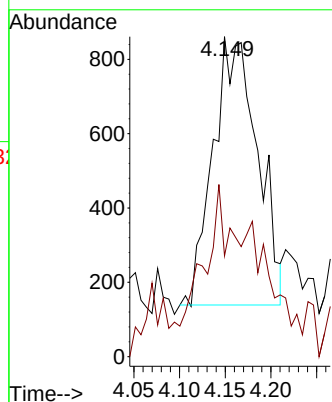
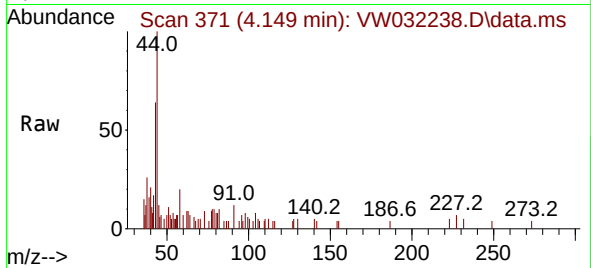




#16
Acetone
Concen: 5.600 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

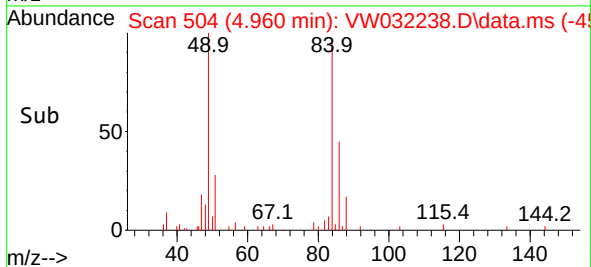
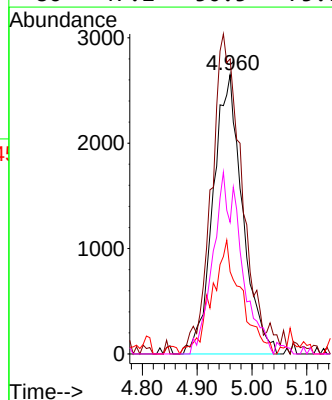
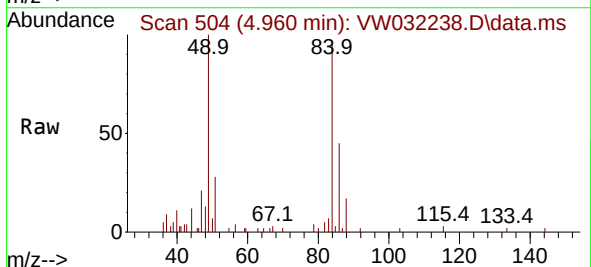
Instrument :
MSVOA_W
ClientSampleId :
RT4784

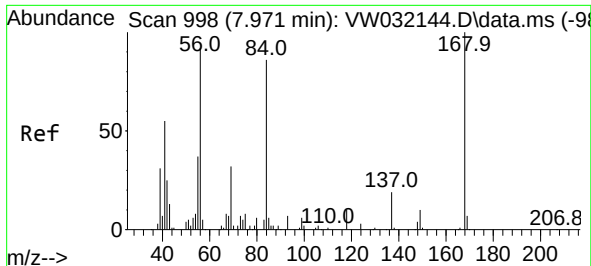
Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
58 26.2 25.3 37.9



#20
Methylene Chloride
Concen: 1.909 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 84 Resp: 9850
Ion Ratio Lower Upper
84 100
49 102.1 92.2 138.4
51 29.5 31.0 46.6#
86 47.2 50.5 75.7#

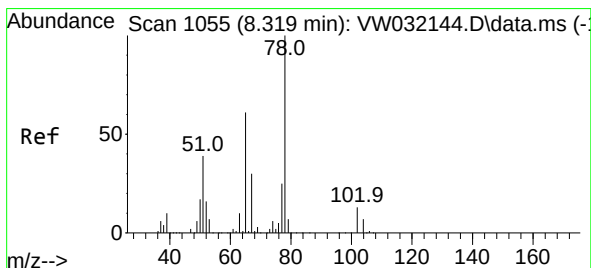
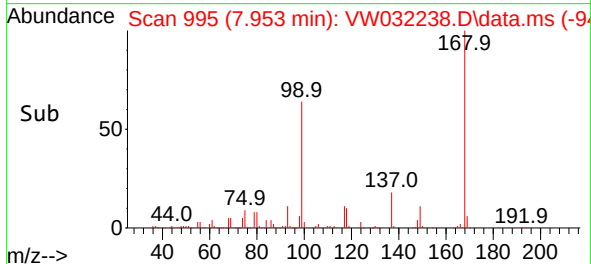
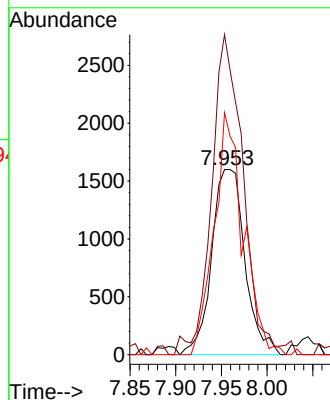
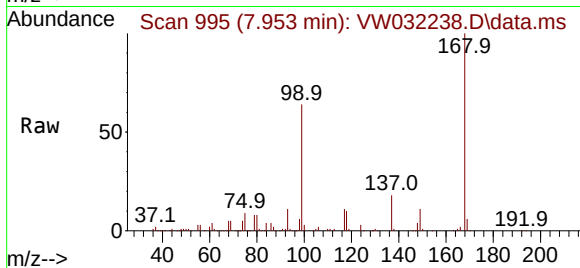




#31
Cyclohexane
Concen: 1.638 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

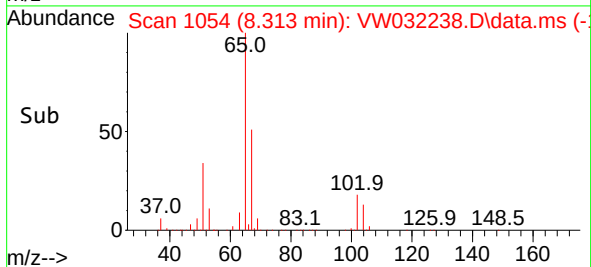
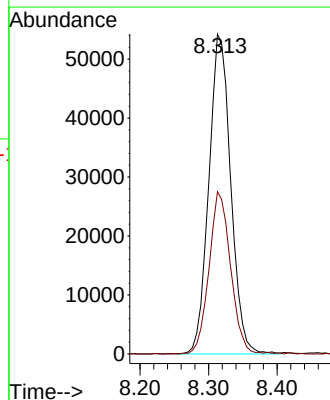
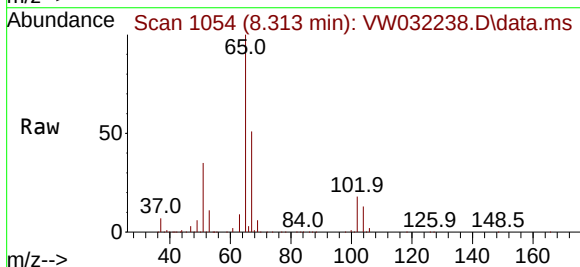
Instrument :
MSVOA_W
ClientSampleId :
RT4784

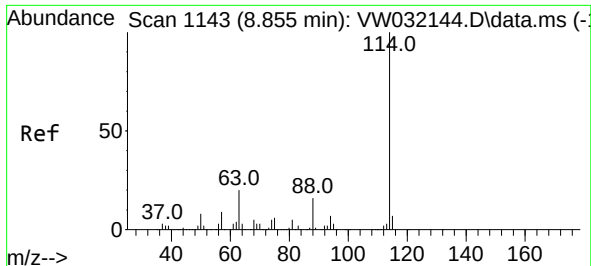
Tgt Ion: 56 Resp: 4049
Ion Ratio Lower Upper
56 100
69 168.2 27.7 41.5#
84 127.3 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 59.888 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 65 Resp: 120592
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.6

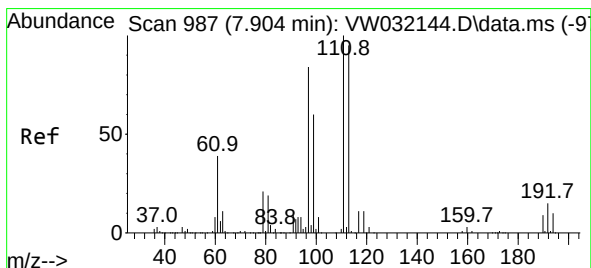
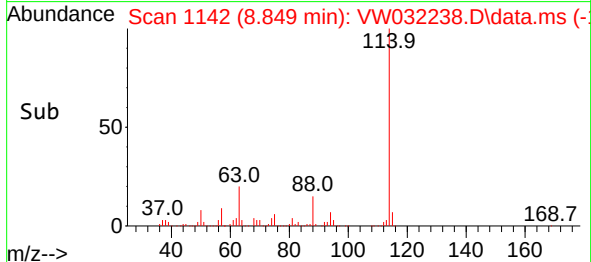
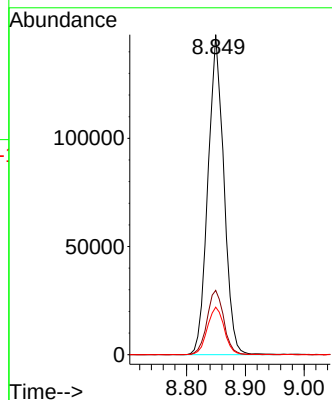
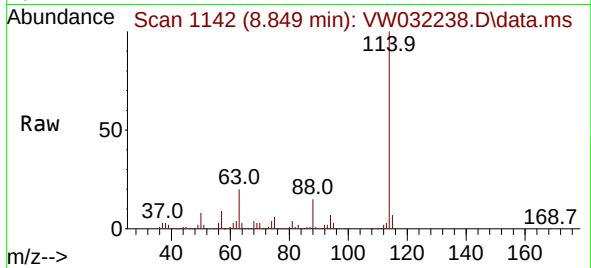




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

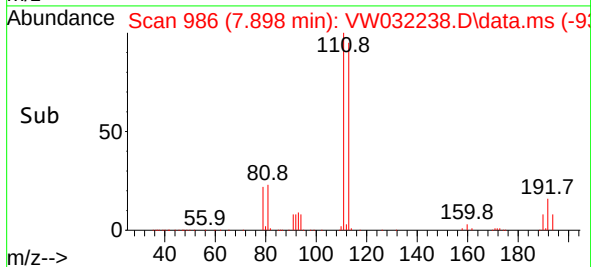
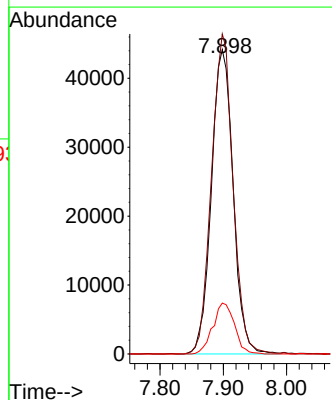
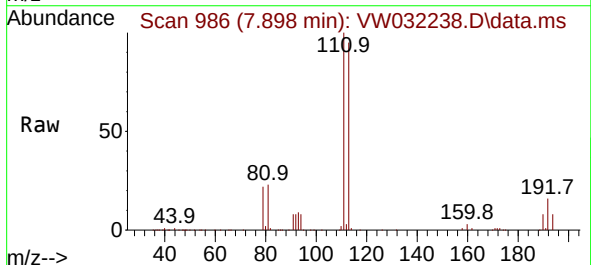
Instrument :
 MSVOA_W
 ClientSampleId :
 RT4784

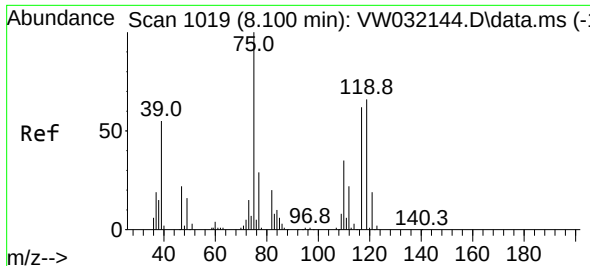
Tgt Ion:114	Resp:	278284
Ion	Ratio	Lower Upper
114	100	
63	20.1	0.0 40.4
88	14.8	0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.945 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

Tgt Ion:113	Resp:	105324
Ion	Ratio	Lower Upper
113	100	
111	104.0	83.9 125.9
192	16.6	14.6 21.8

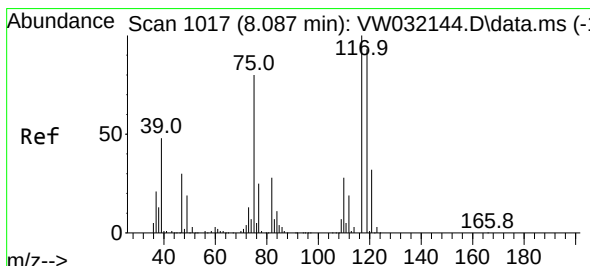
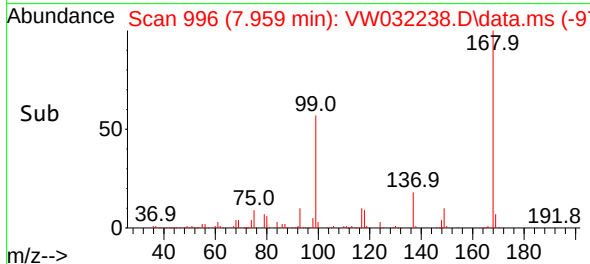
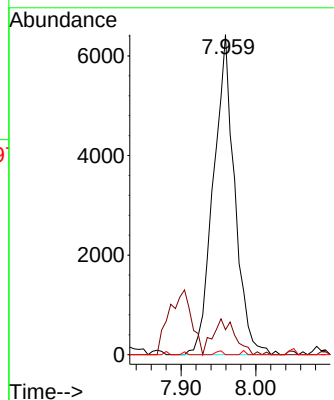
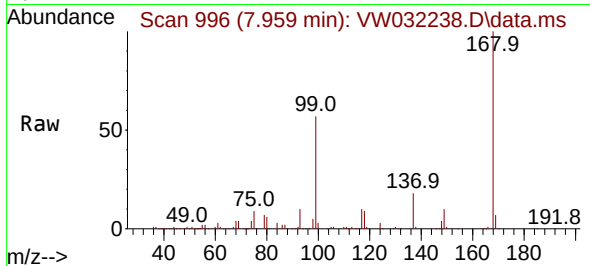




#36
 1,1-Dichloropropene
 Concen: 5.022 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

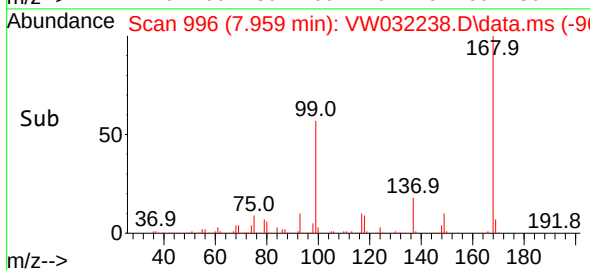
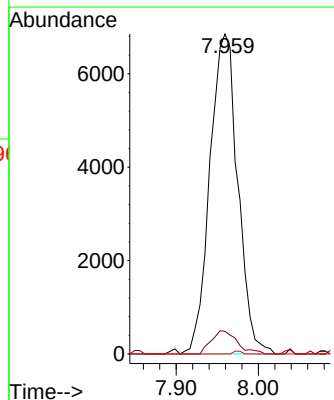
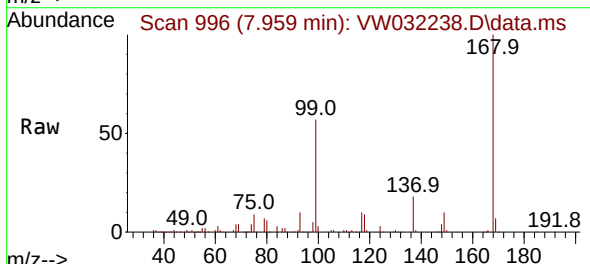
Instrument :
 MSVOA_W
 ClientSampleId :
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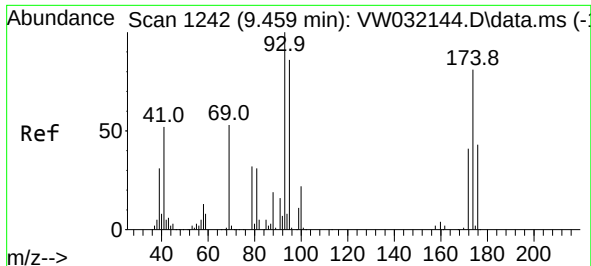
Tgt Ion: 75 Resp: 12714
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.5 52.5#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.961 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

Tgt Ion: 117 Resp: 16176
 Ion Ratio Lower Upper
 117 100
 119 7.0 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 3.003 ug/l

RT: 9.477 min Scan# 11

Delta R.T. 0.018 min

Lab File: VW032238.D

Acq: 23 Sep 2025 14:25

Instrument :

MSVOA_W

ClientSampleId :

RT4784

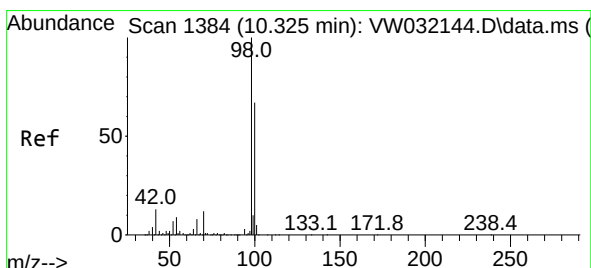
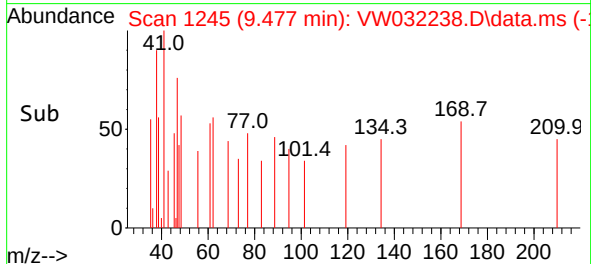
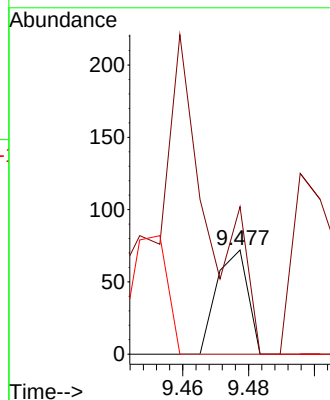
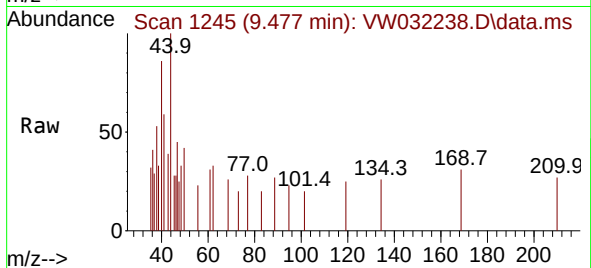
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 322.9 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 53.634 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032238.D

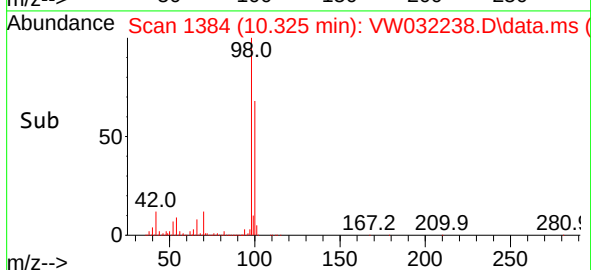
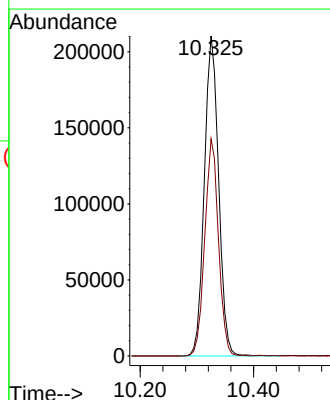
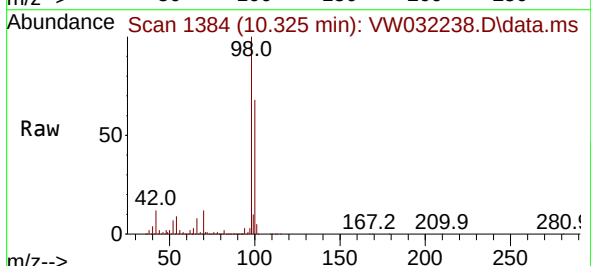
Acq: 23 Sep 2025 14:25

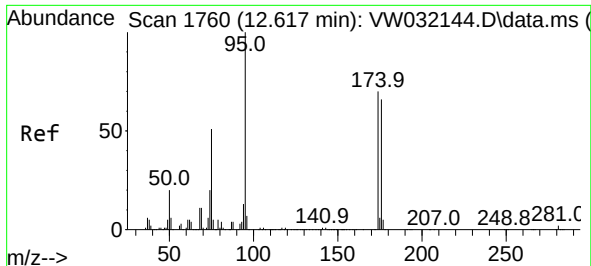
Tgt Ion: 98 Resp: 367606

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2

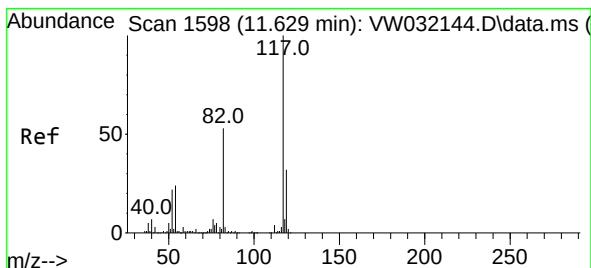
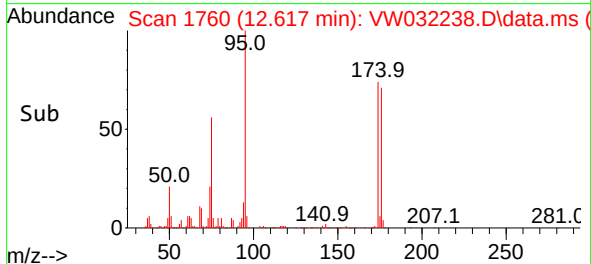
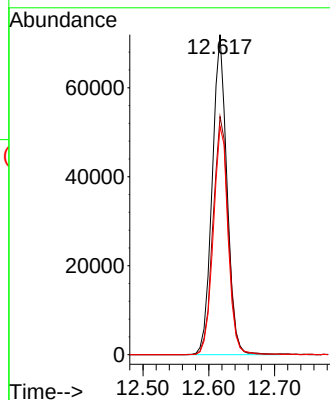
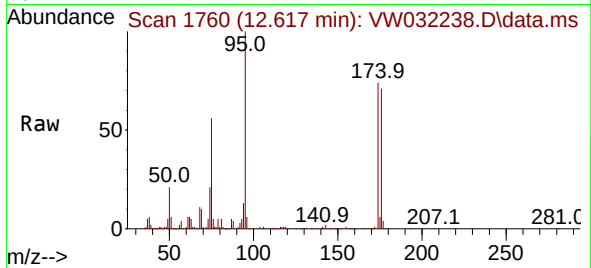




#62
4-Bromofluorobenzene
Concen: 44.299 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

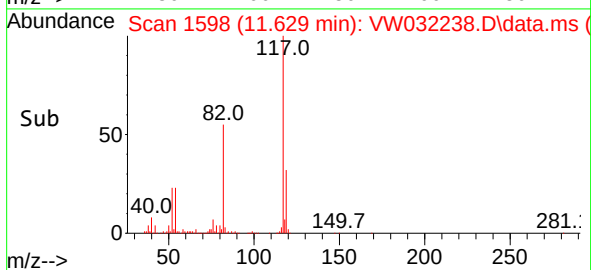
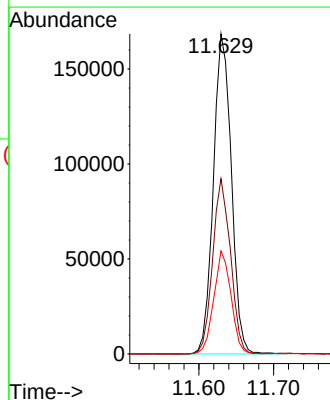
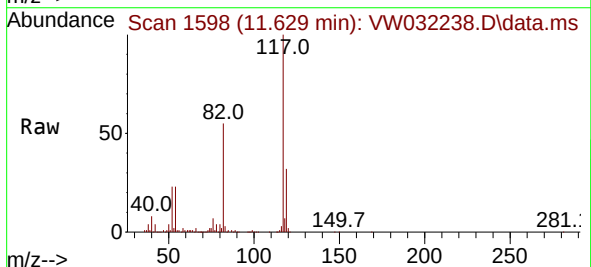
Instrument :
MSVOA_W
ClientSampleId :
RT4784

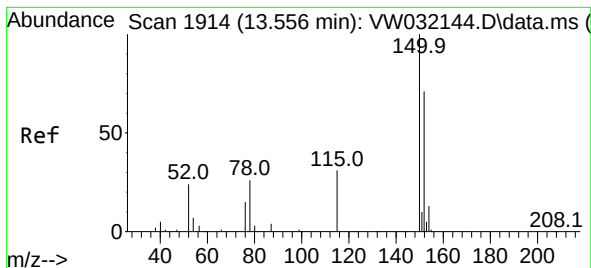
Tgt Ion: 95 Resp: 112275
Ion Ratio Lower Upper
95 100
174 77.6 0.0 145.6
176 71.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 117 Resp: 281729
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 32.1 25.2 37.8

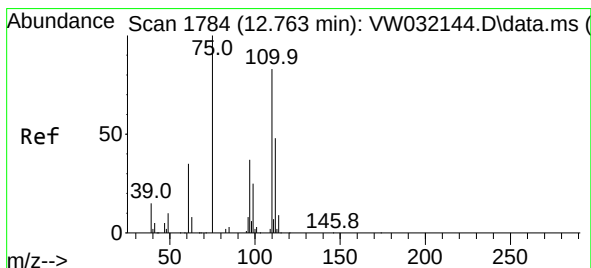
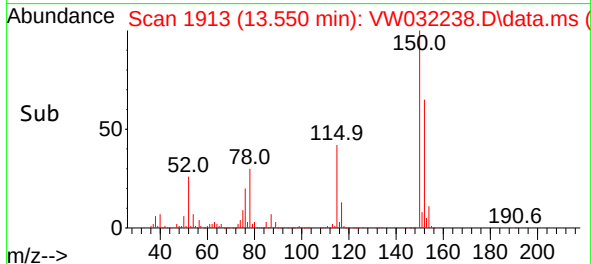
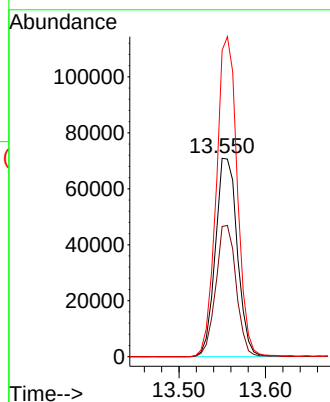
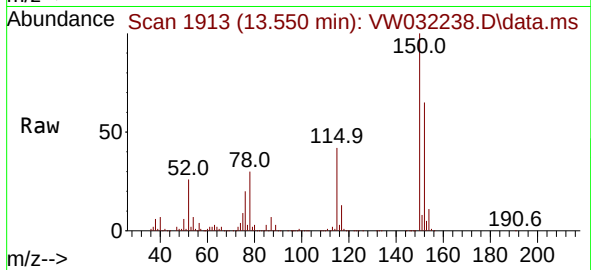




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

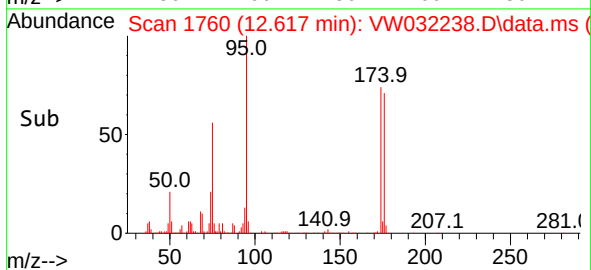
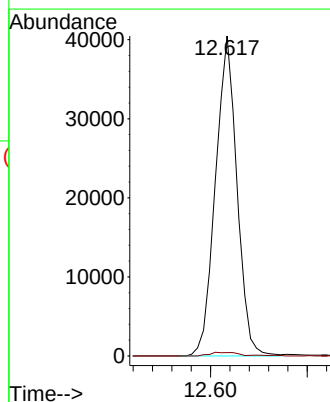
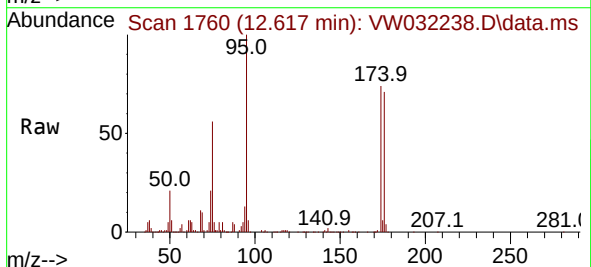
Instrument :
MSVOA_W
ClientSampleId :
RT4784

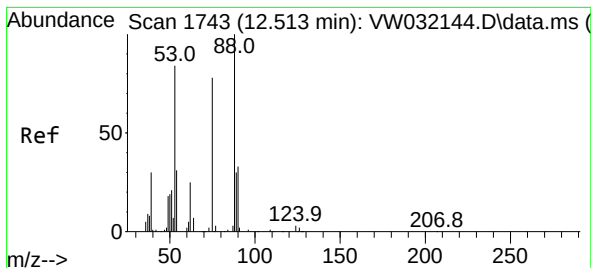
Tgt Ion:152 Resp: 124567
Ion Ratio Lower Upper
152 100
115 62.1 31.8 95.4
150 154.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 40.003 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

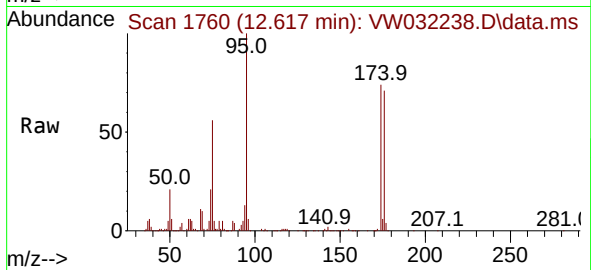
Tgt Ion: 75 Resp: 62427
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.705 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

Instrument :
 MSVOA_W
 ClientSampleId :
 RT4784



Tgt Ion: 75 Resp: 62427
 Ion Ratio Lower Upper
 75 100
 53 0.5 91.0 136.6#
 89 0.0 39.4 59.2#

