

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032090.D
 Acq On : 14 Aug 2025 13:54
 Operator : SY/MD
 Sample : Q2820-07
 Misc : 6.26g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 518R-S

Quant Time: Aug 18 03:52:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

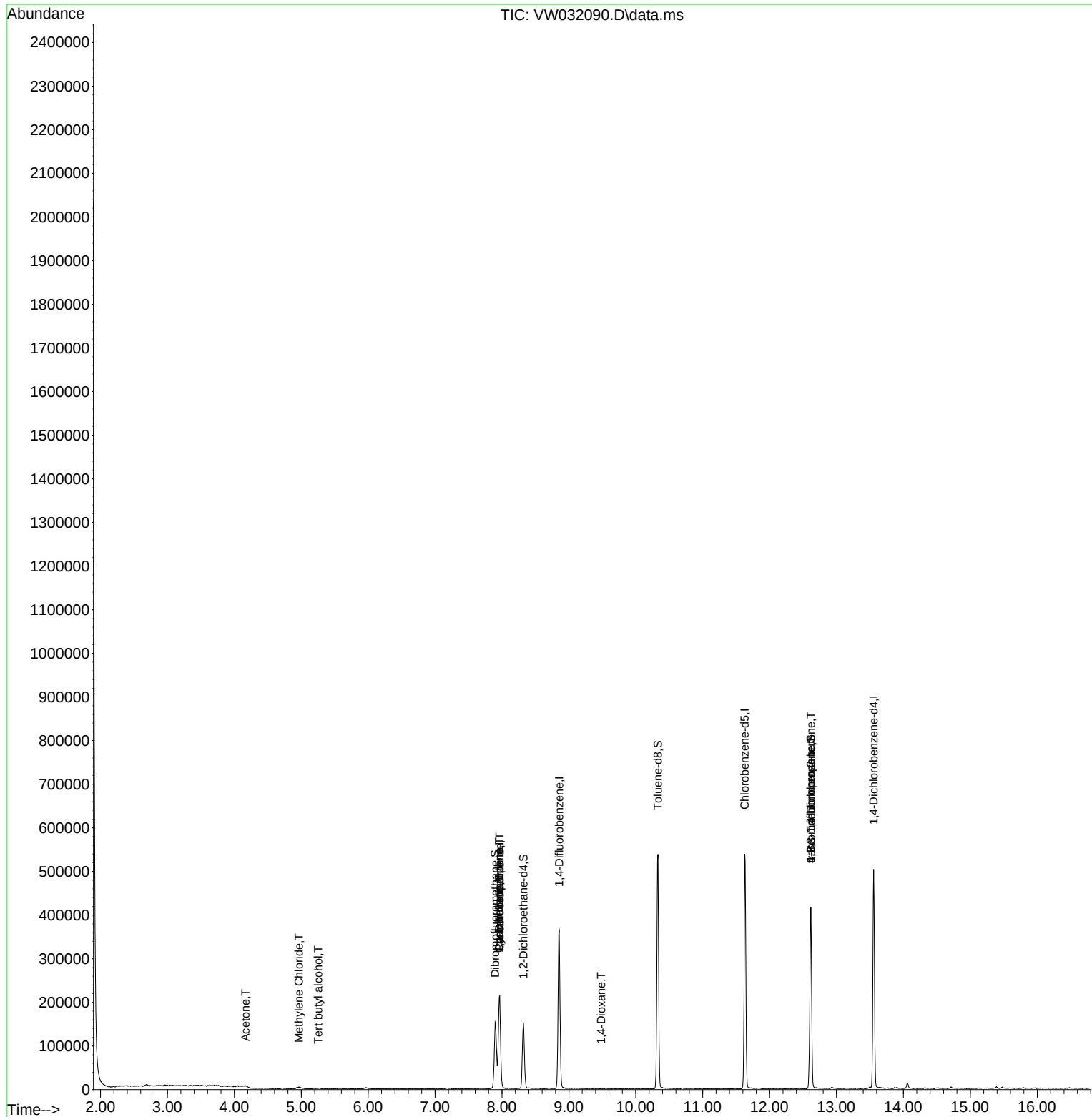
Internal Standards						
1) Pentafluorobenzene	7.965	168	145772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	300621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	280561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	122108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120663	57.233	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 114.460%		
35) Dibromofluoromethane	7.898	113	106169	54.666	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.340%		
50) Toluene-d8	10.331	98	344643	47.978	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.960%		
62) 4-Bromofluorobenzene	12.617	95	121505	45.900	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 91.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.252	59	165	1.209	ug/l #	71
16) Acetone	4.167	43	2734	5.601	ug/l	94
20) Methylene Chloride	4.966	84	2939	1.302	ug/l #	83
31) Cyclohexane	7.959	56	4559	1.517	ug/l #	25
36) 1,1-Dichloropropene	7.959	75	14155	5.170	ug/l #	52
38) Carbon Tetrachloride	7.965	117	16985	6.428	ug/l #	19
49) 1,4-Dioxane	9.483	88	64	3.730	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	67305	40.612	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67305	105.139	ug/l #	9

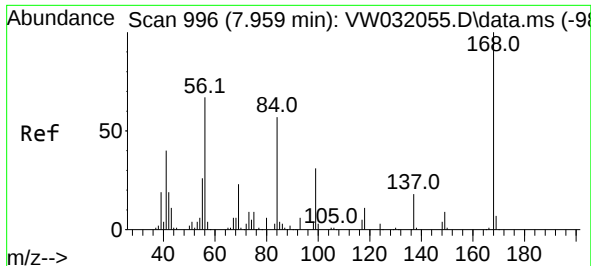
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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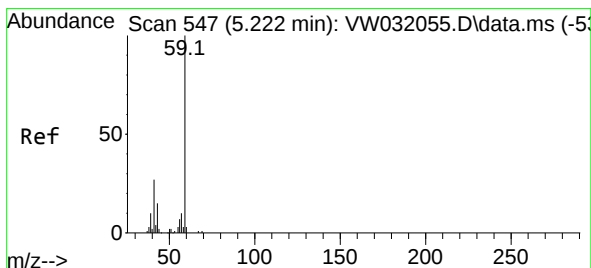
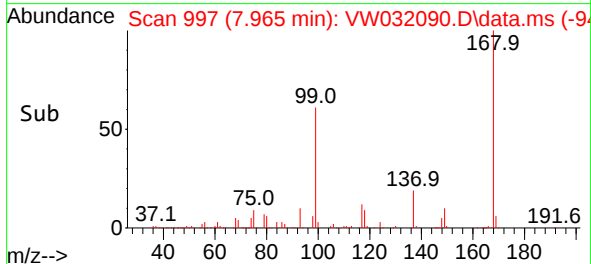
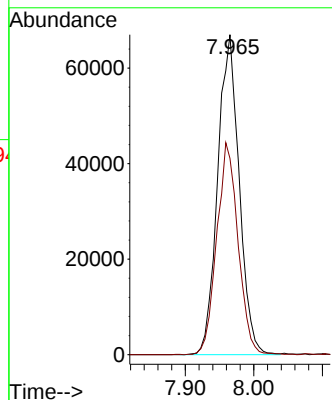
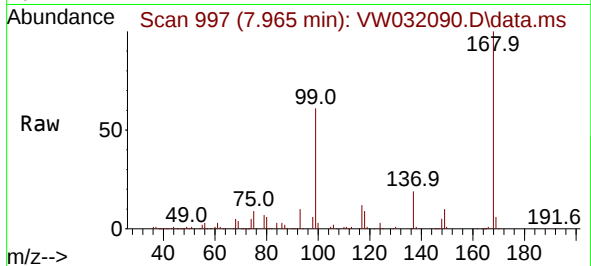




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

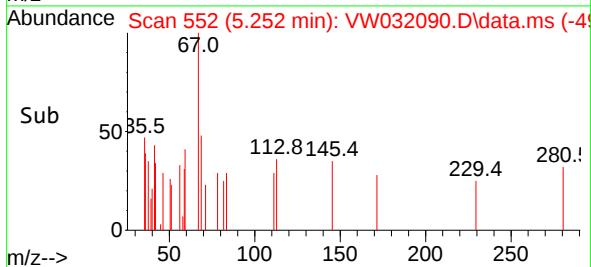
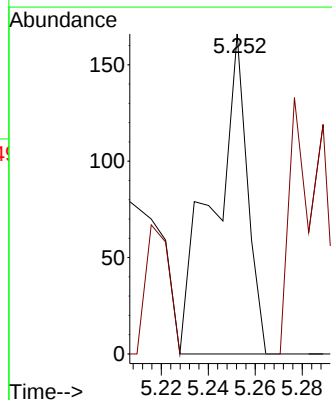
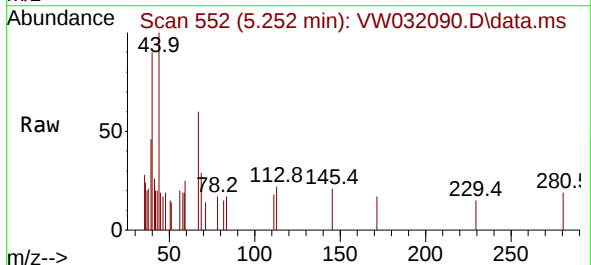
Instrument :
MSVOA_W
ClientSampleId :
518R-S

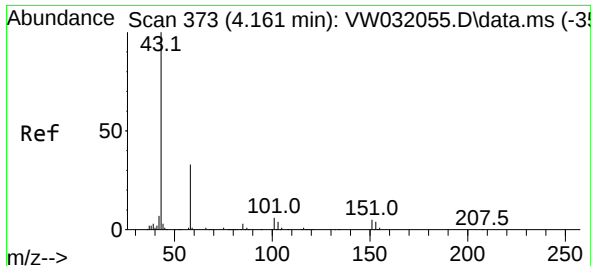
Tgt Ion:168 Resp: 145772
Ion Ratio Lower Upper
168 100
99 61.2 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.209 ug/l
RT: 5.252 min Scan# 552
Delta R.T. 0.030 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

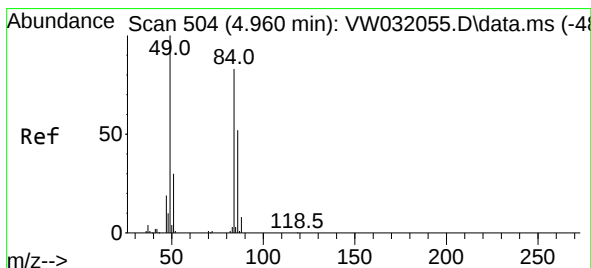
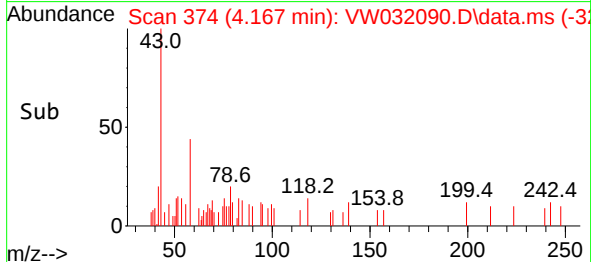
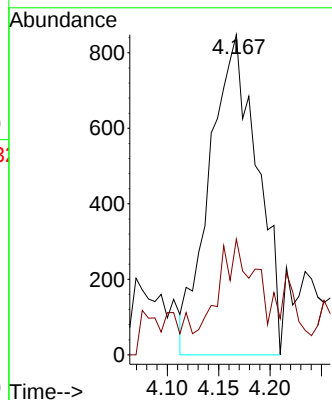
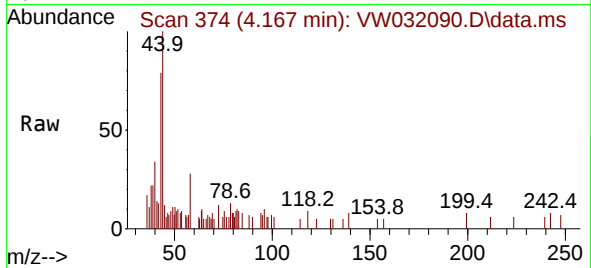




#16
Acetone
Concen: 5.601 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

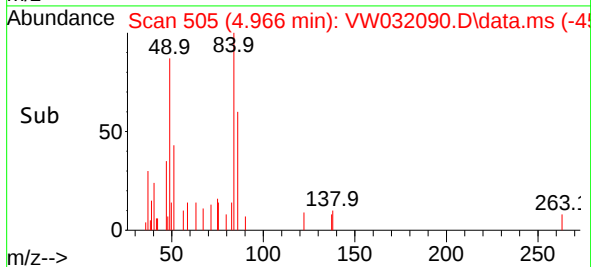
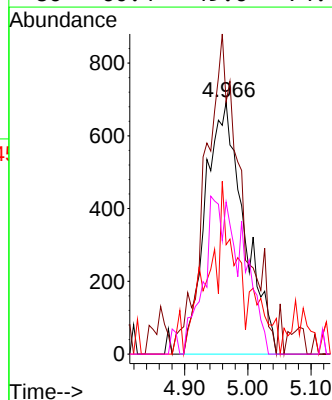
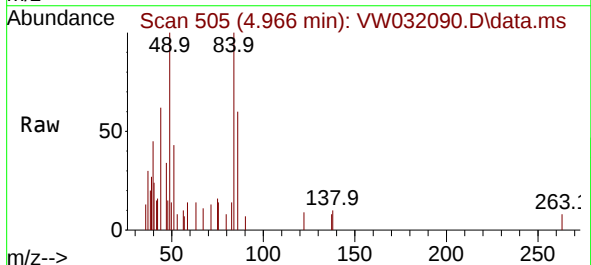
Instrument :
MSVOA_W
ClientSampleId :
518R-S

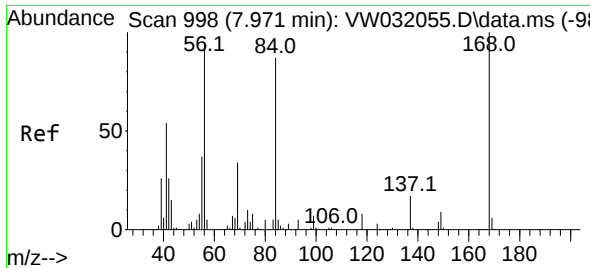
Tgt Ion: 43 Resp: 2734
Ion Ratio Lower Upper
43 100
58 29.6 26.6 39.8



#20
Methylene Chloride
Concen: 1.302 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 84 Resp: 2939
Ion Ratio Lower Upper
84 100
49 90.6 95.9 143.9#
51 43.5 28.6 43.0#
86 60.4 49.6 74.4

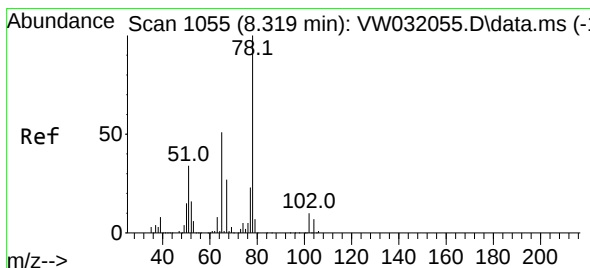
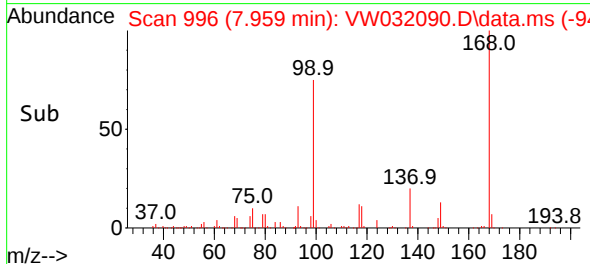
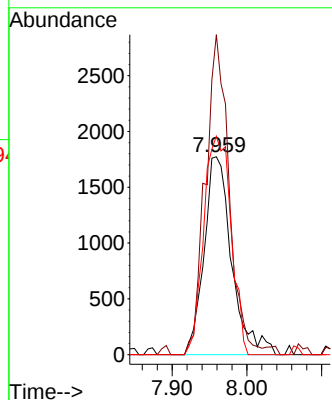
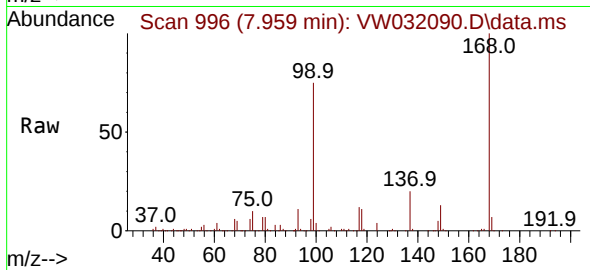




#31
Cyclohexane
Concen: 1.517 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

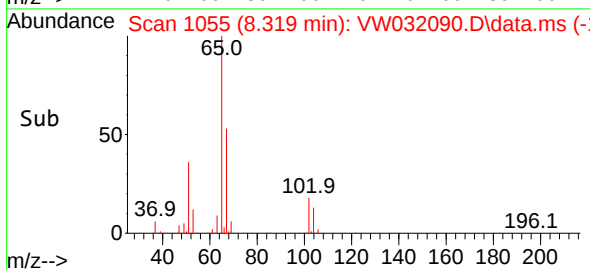
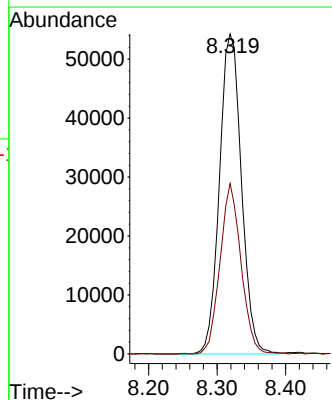
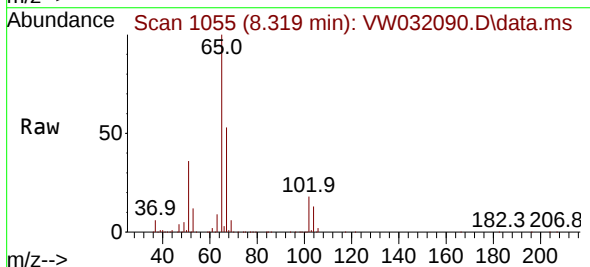
Instrument :
MSVOA_W
ClientSampleId :
518R-S

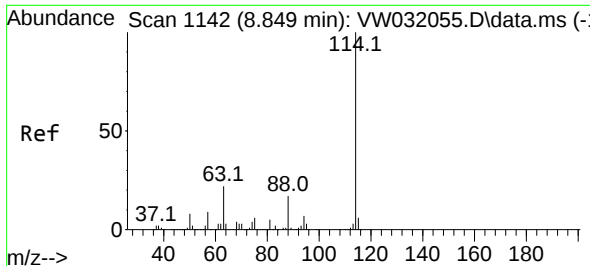
Tgt Ion: 56 Resp: 4559
Ion Ratio Lower Upper
56 100
69 161.6 28.6 42.8#
84 110.3 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 57.233 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 65 Resp: 120663
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

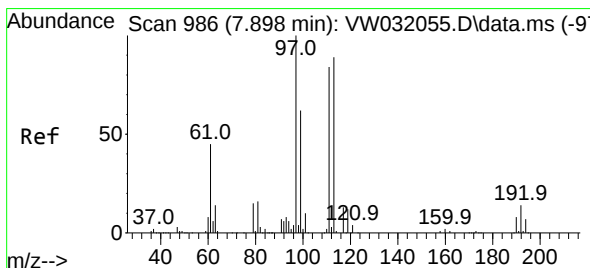
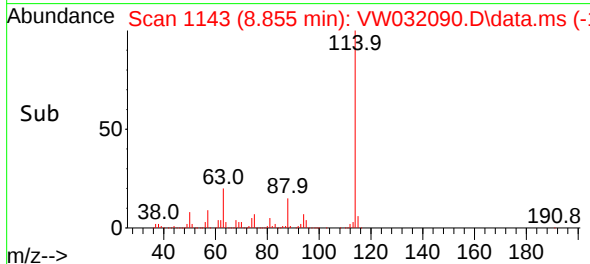
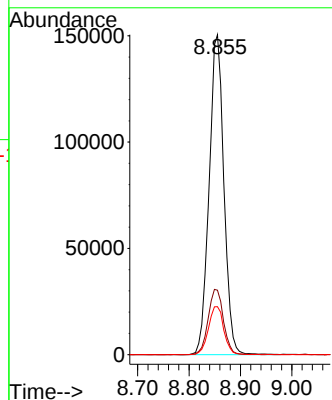
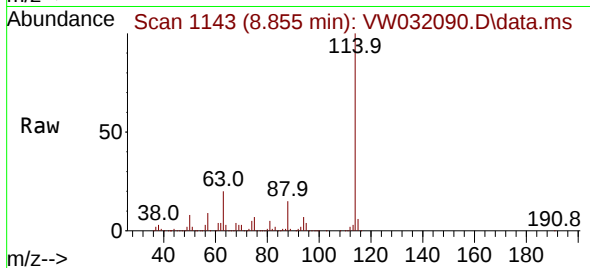




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

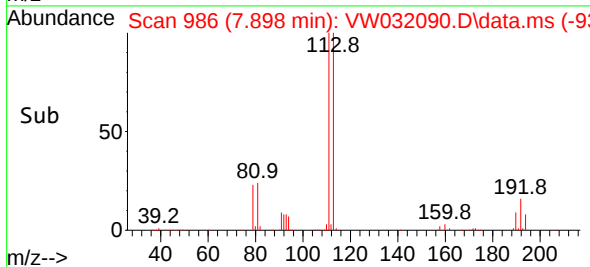
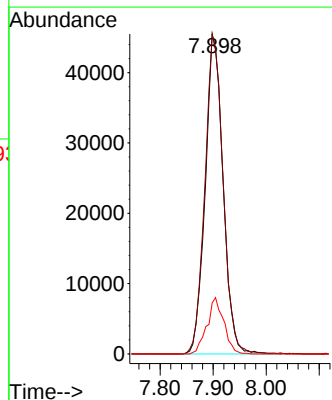
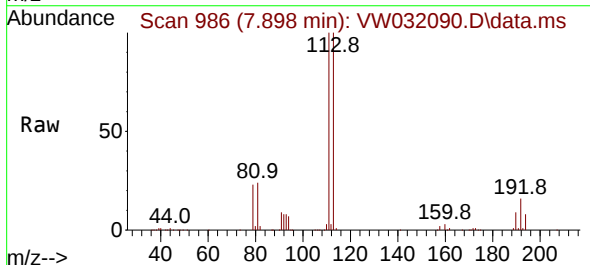
Instrument :
MSVOA_W
ClientSampleId :
518R-S

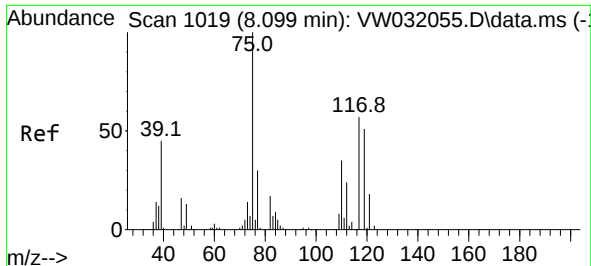
Tgt Ion:114 Resp: 300621
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.0
88 15.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.666 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion:113 Resp: 106169
Ion Ratio Lower Upper
113 100
111 101.7 80.1 120.1
192 16.6 13.1 19.7





#36

1,1-Dichloropropene

Concen: 5.170 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

Instrument :

MSVOA_W

ClientSampleId :

518R-S

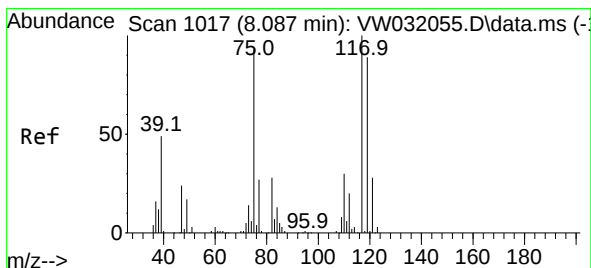
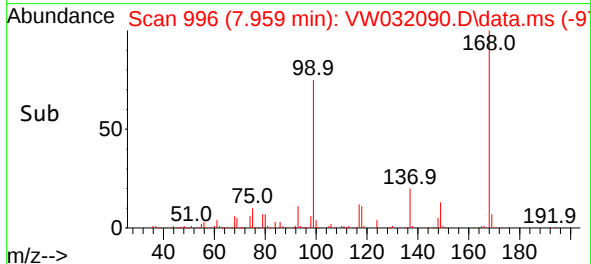
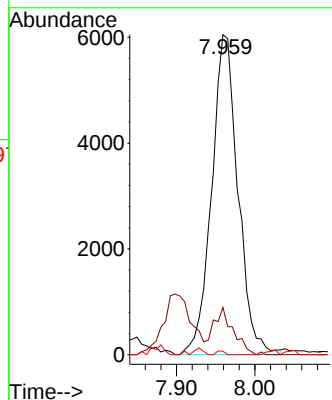
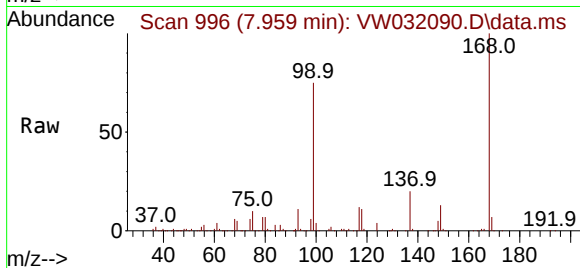
Tgt Ion: 75 Resp: 14155

Ion Ratio Lower Upper

75 100

110 11.2 17.4 52.2#

77 0.4 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.428 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

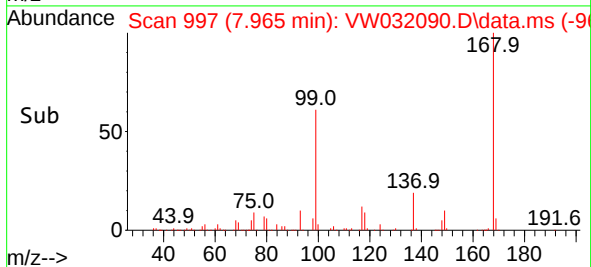
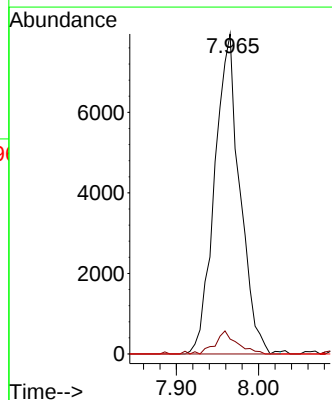
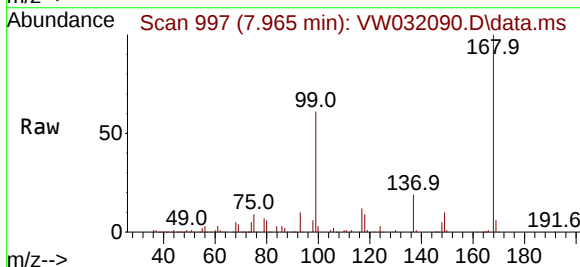
Tgt Ion: 117 Resp: 16985

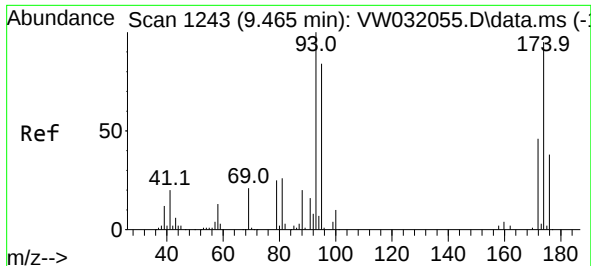
Ion Ratio Lower Upper

117 100

119 4.7 71.4 107.2#

121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 3.730 ug/l

RT: 9.483 min Scan# 11

Delta R.T. 0.018 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

Instrument :

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ClientSampleId :

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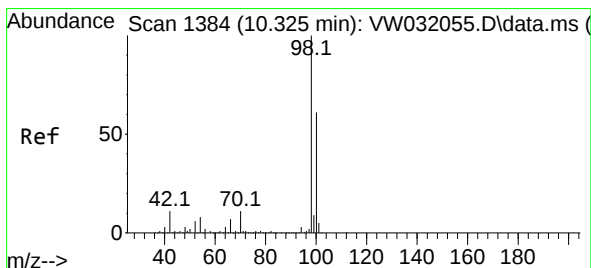
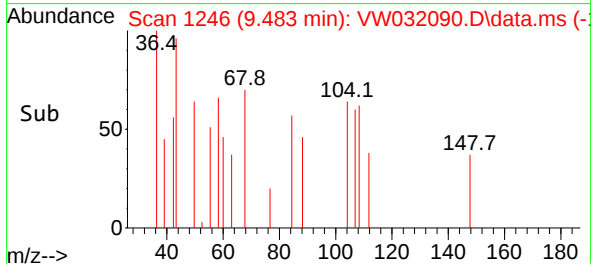
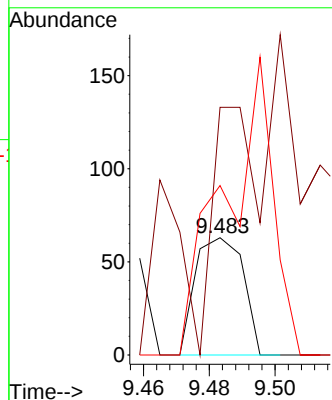
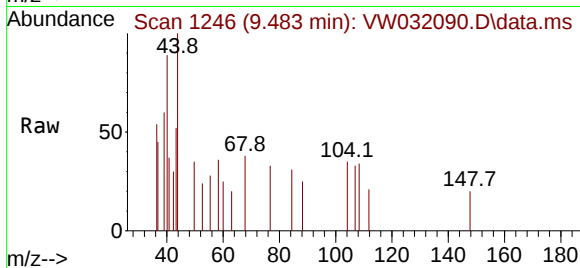
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 192.2 20.6 30.8#

58 254.7 60.4 90.6#



#50

Toluene-d8

Concen: 47.978 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032090.D

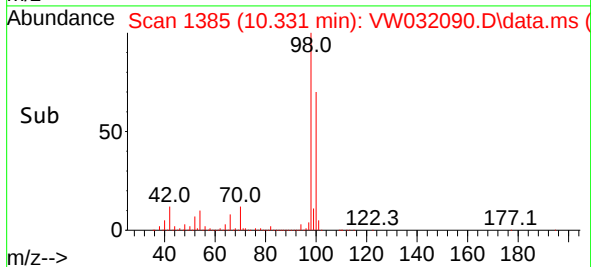
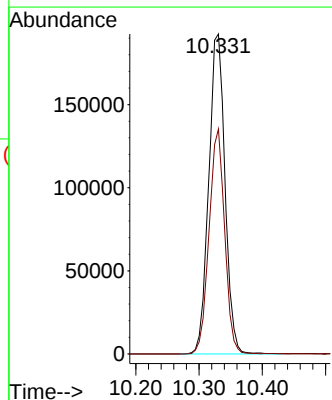
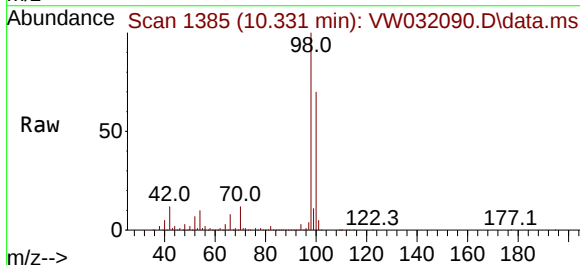
Acq: 14 Aug 2025 13:54

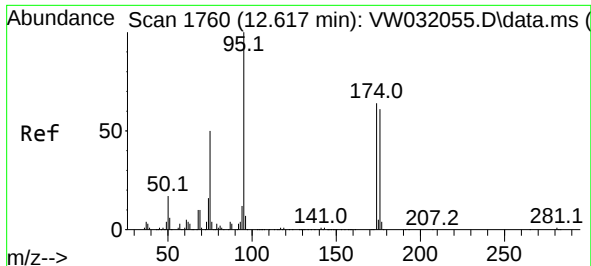
Tgt Ion: 98 Resp: 344643

Ion Ratio Lower Upper

98 100

100 67.4 51.1 76.7

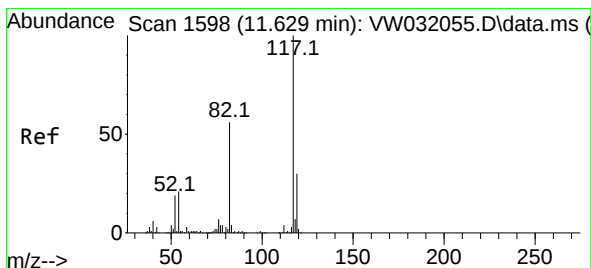
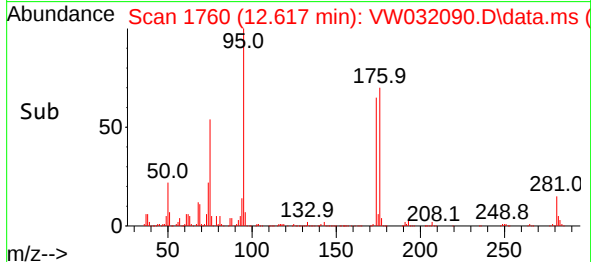
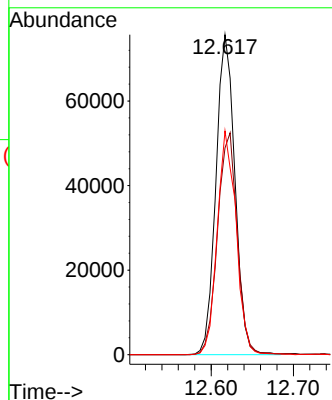
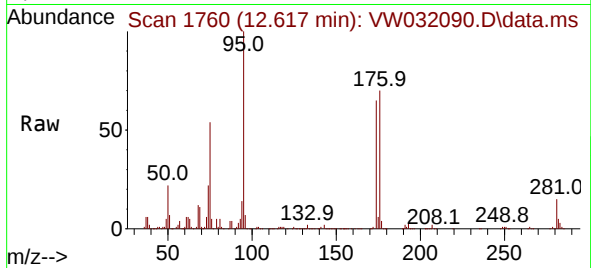




#62
4-Bromofluorobenzene
Concen: 45.900 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

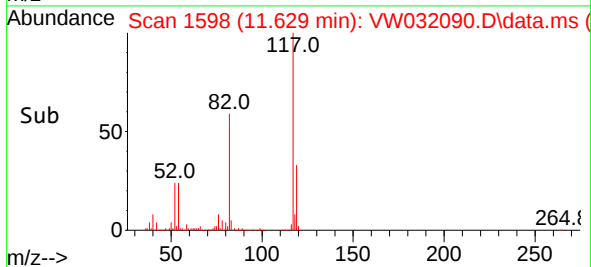
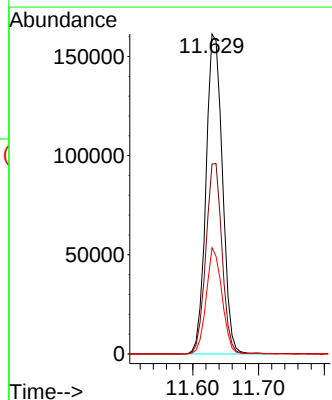
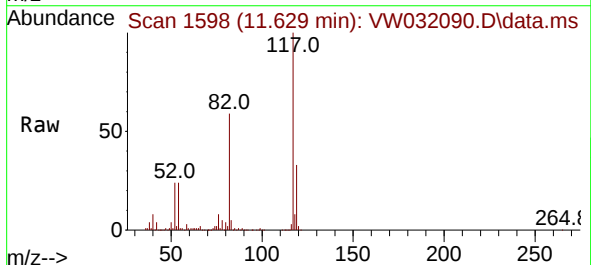
Instrument :
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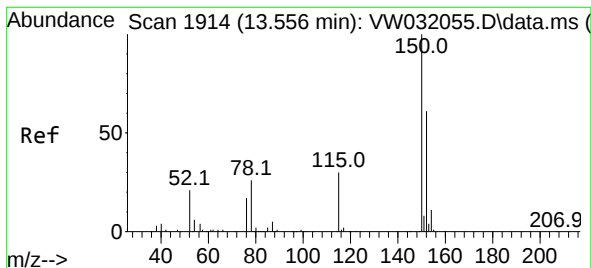
Tgt Ion: 95 Resp: 121505
Ion Ratio Lower Upper
95 100
174 72.1 0.0 129.0
176 69.5 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 117 Resp: 280561
Ion Ratio Lower Upper
117 100
82 59.3 45.0 67.4
119 33.2 24.2 36.4

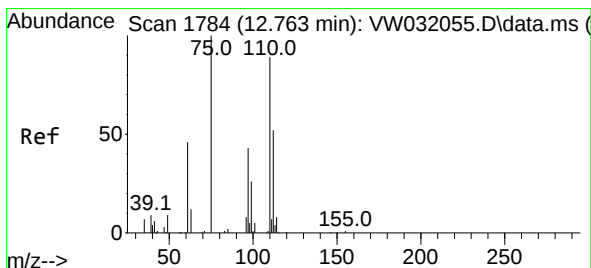
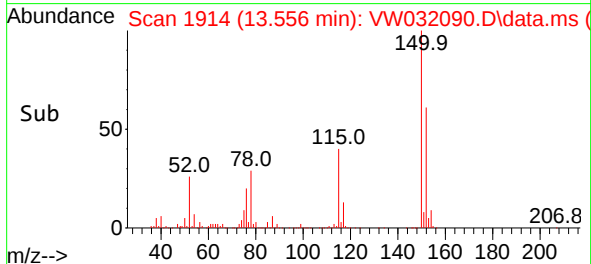
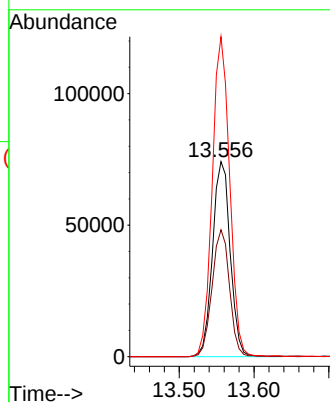
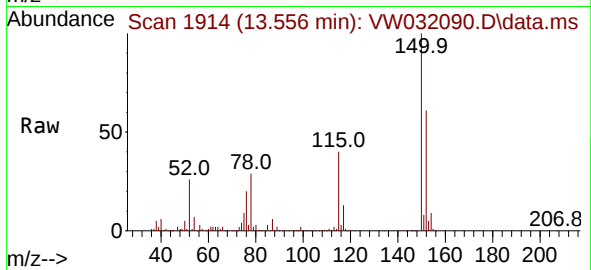




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032090.D
 Acq: 14 Aug 2025 13:54

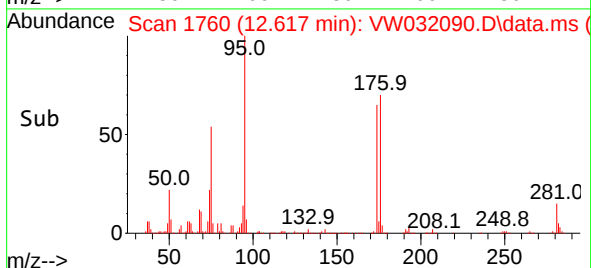
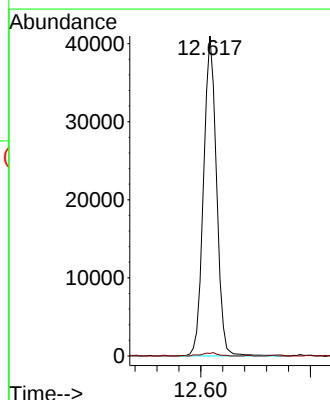
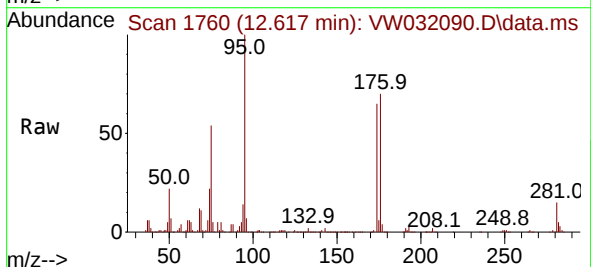
Instrument :
 MSVOA_W
 ClientSampleId :
 518R-S

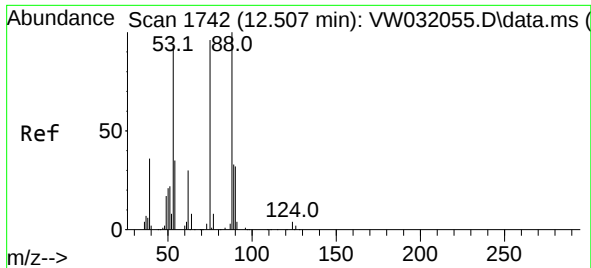
Tgt Ion:152 Resp: 122108
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.6 97.8
 150 161.3 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 40.612 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032090.D
 Acq: 14 Aug 2025 13:54

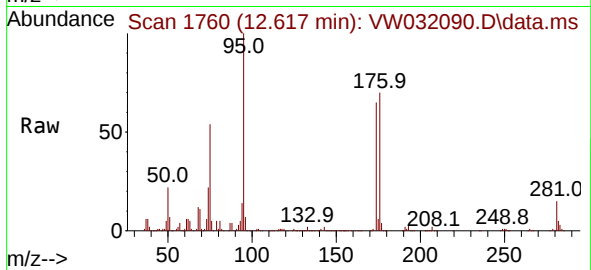
Tgt Ion: 75 Resp: 67305
 Ion Ratio Lower Upper
 75 100
 77 1.2 123.5 370.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.139 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Instrument :
MSVOA_W
ClientSampleId :
518R-S



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	81.0	121.6#
89	0.1	37.3	55.9#

