

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032159.D
 Acq On : 28 Aug 2025 15:09
 Operator : SY/MD
 Sample : Q2979-01
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP4

Quant Time: Aug 29 01:20:33 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)

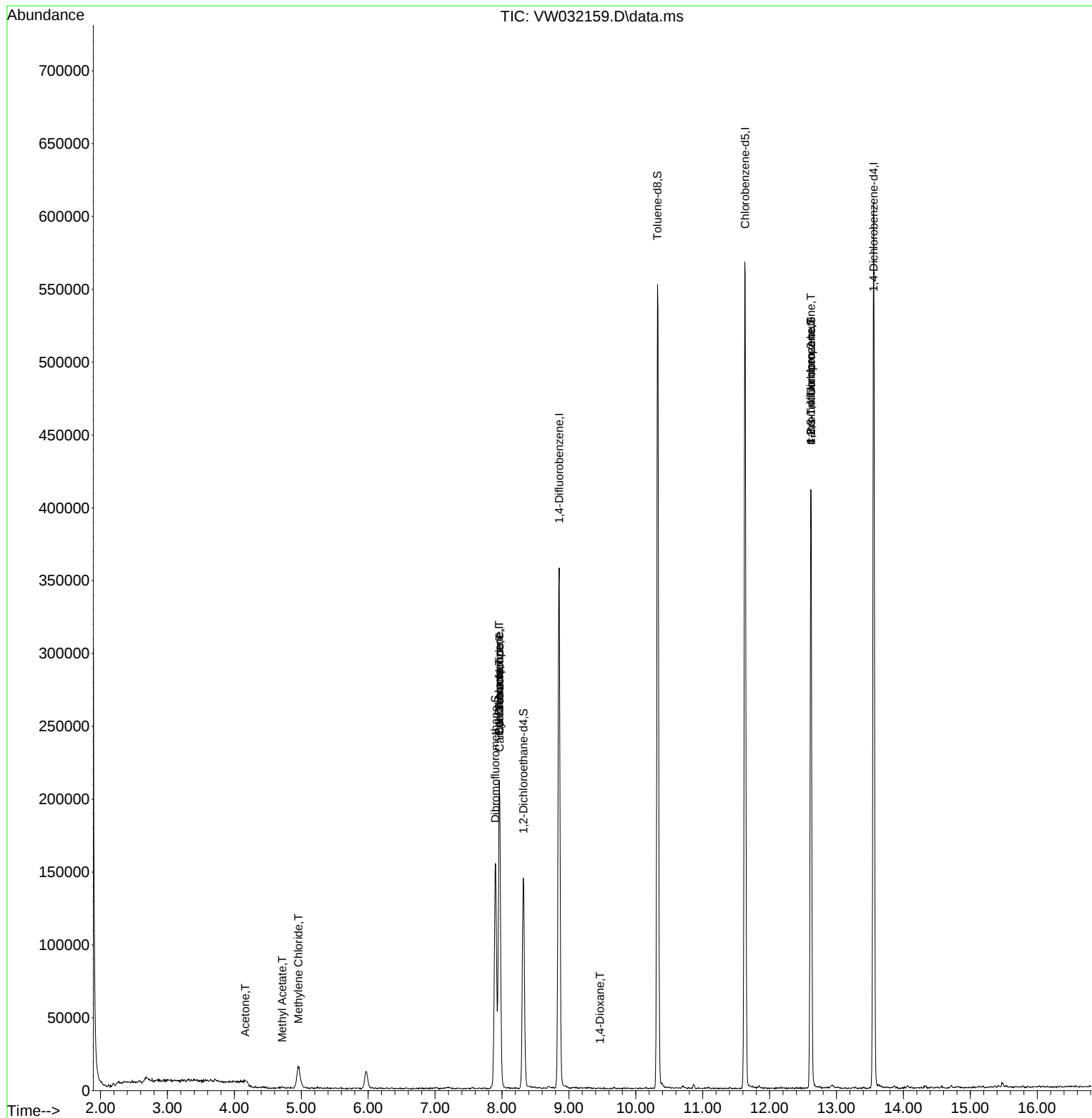
Internal Standards						
1) Pentafluorobenzene	7.959	168	143990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	301817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	300374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123102	59.780	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.560%		
35) Dibromofluoromethane	7.898	113	107632	50.829	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.660%		
50) Toluene-d8	10.325	98	365358	49.150	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.300%		
62) 4-Bromofluorobenzene	12.617	95	136476	49.649	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.300%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	2102	4.713	ug/l	89
18) Methyl Acetate	4.716	43	1623	1.142	ug/l #	82
20) Methylene Chloride	4.960	84	13916	4.102	ug/l	89
31) Cyclohexane	7.959	56	3941	1.559	ug/l #	29
36) 1,1-Dichloropropene	7.959	75	13238	4.822	ug/l #	51
38) Carbon Tetrachloride	7.965	117	16249	5.521	ug/l #	17
49) 1,4-Dioxane	9.465	88	20	1.154	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	75254	38.784	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	75254	104.424	ug/l #	5

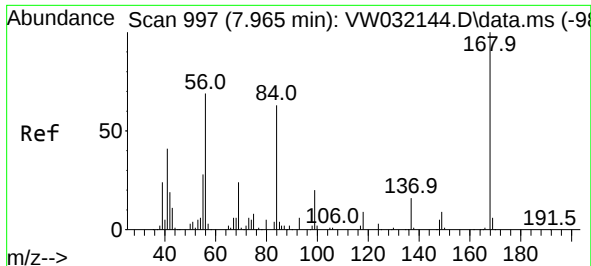
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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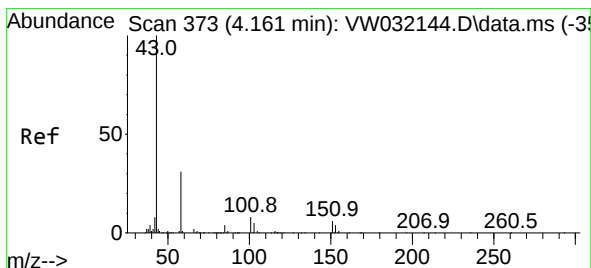
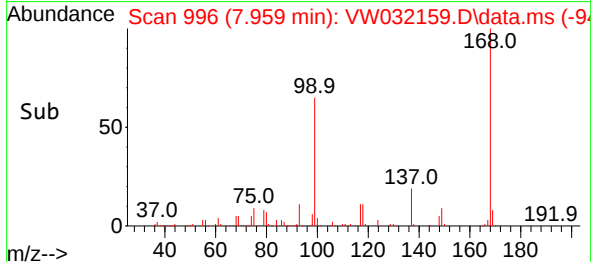
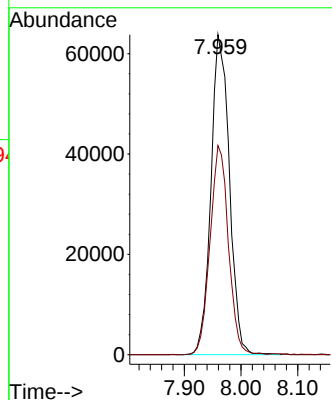
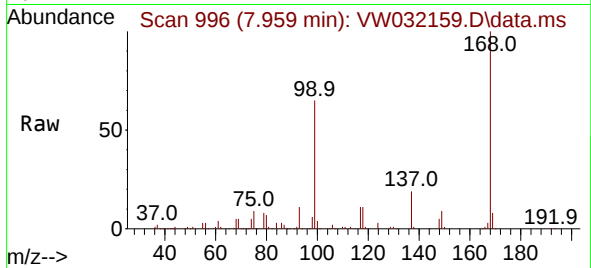




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

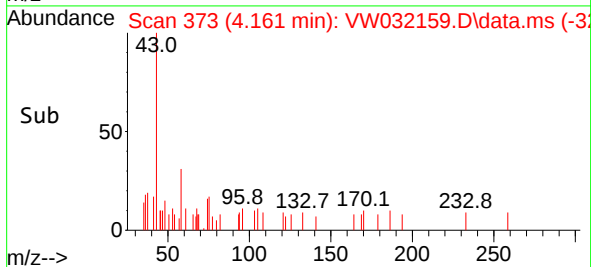
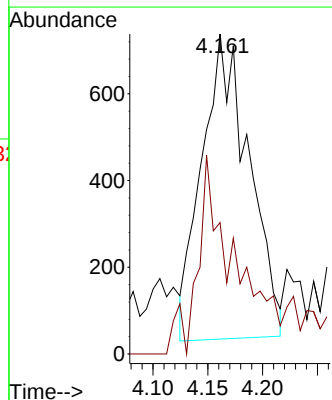
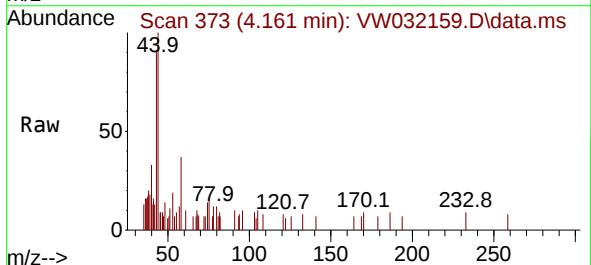
Instrument :
MSVOA_W
ClientSampleId :
TP4

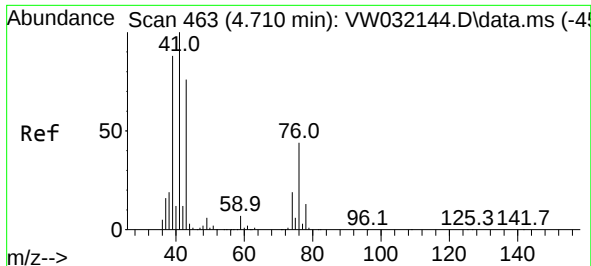
Tgt Ion:168 Resp: 143990
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#16
Acetone
Concen: 4.713 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
58 37.5 25.3 37.9

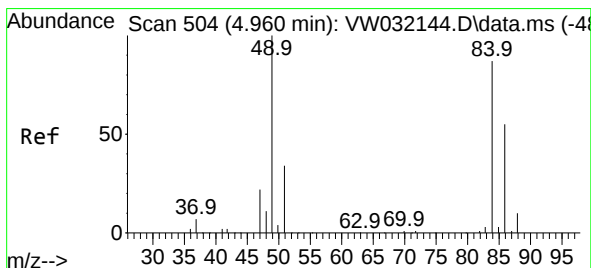
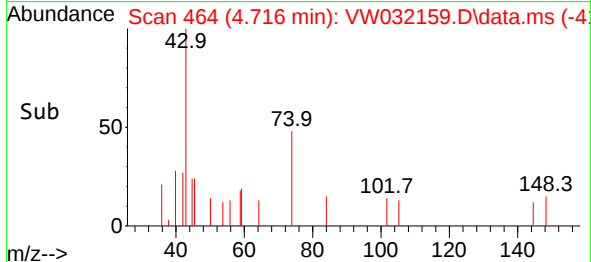
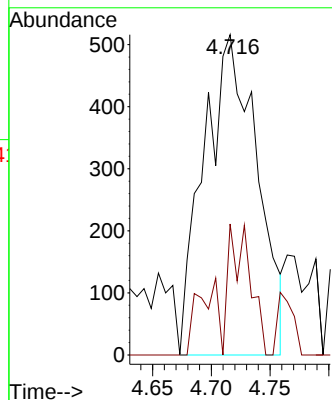
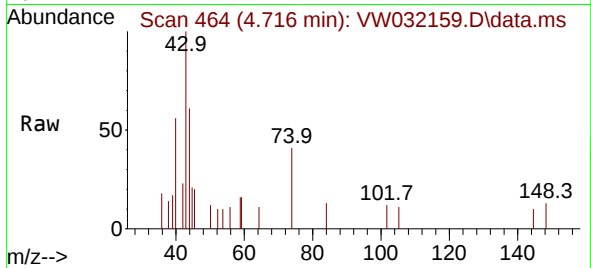




#18
Methyl Acetate
Concen: 1.142 ug/l
RT: 4.716 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

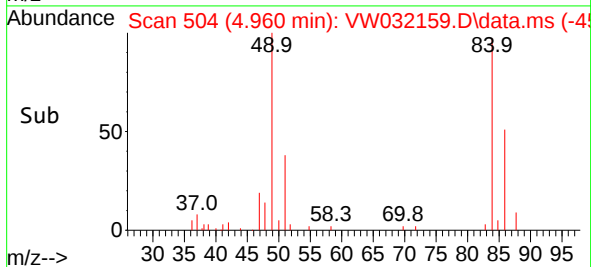
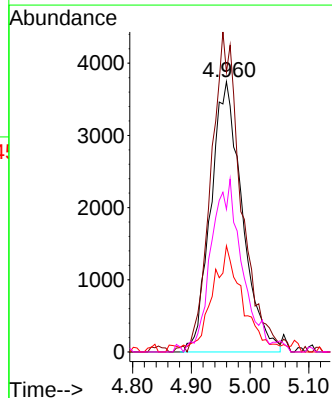
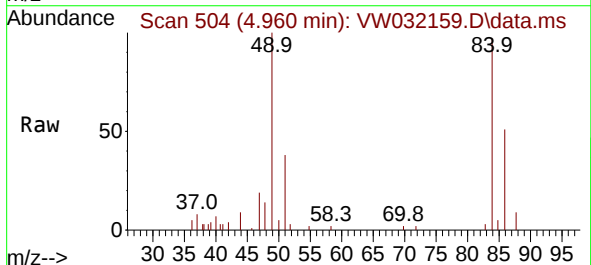
Instrument :
MSVOA_W
ClientSampleId :
TP4

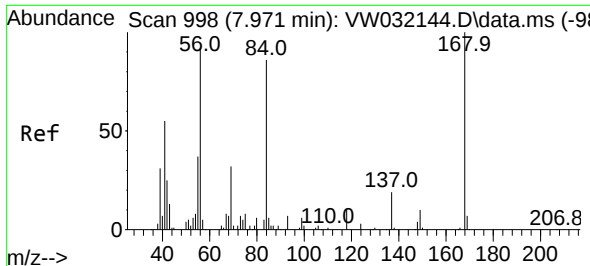
Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
74 16.3 20.2 30.4#



#20
Methylene Chloride
Concen: 4.102 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 84 Resp: 13916
Ion Ratio Lower Upper
84 100
49 102.0 92.2 138.4
51 37.6 31.0 46.6
86 50.9 50.5 75.7

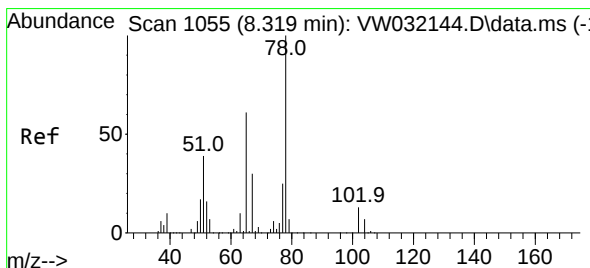
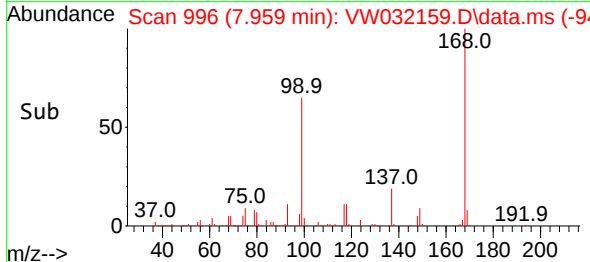
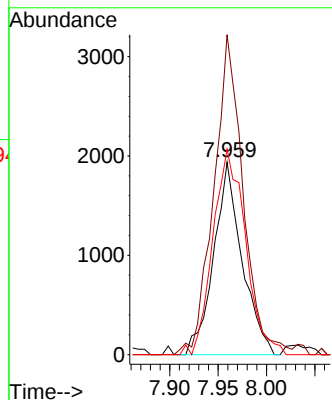
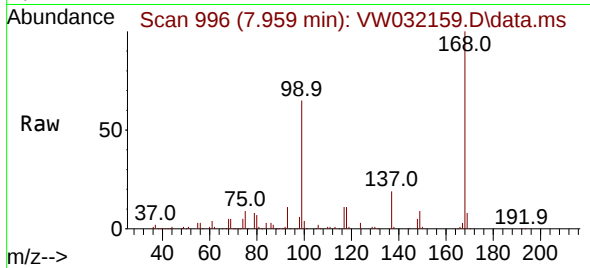




#31
Cyclohexane
Concen: 1.559 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

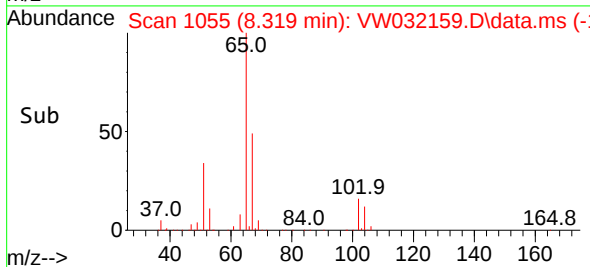
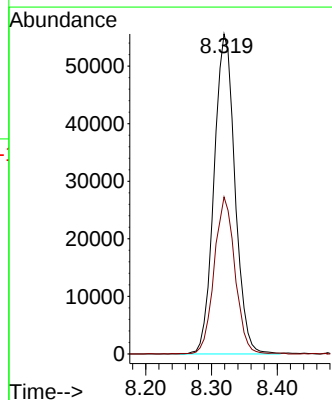
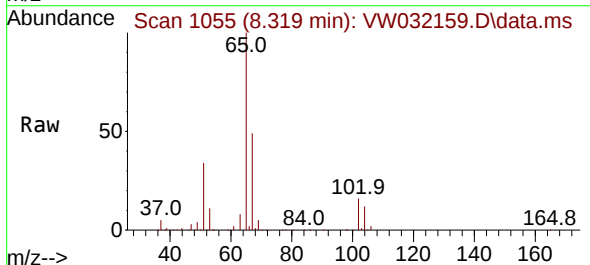
Instrument :
MSVOA_W
ClientSampleId :
TP4

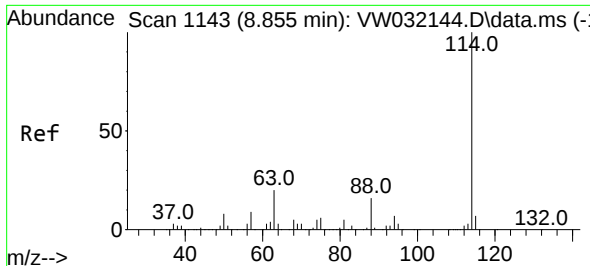
Tgt Ion: 56 Resp: 3941
Ion Ratio Lower Upper
56 100
69 163.7 27.7 41.5#
84 106.8 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 59.780 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 65 Resp: 123102
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032159.D

Acq: 28 Aug 2025 15:09

Instrument :

MSVOA_W

ClientSampleId :

TP4

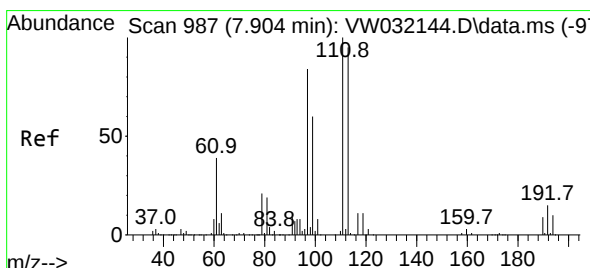
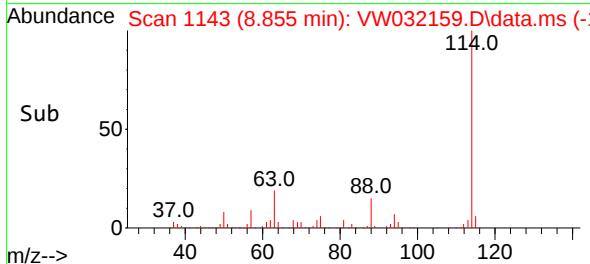
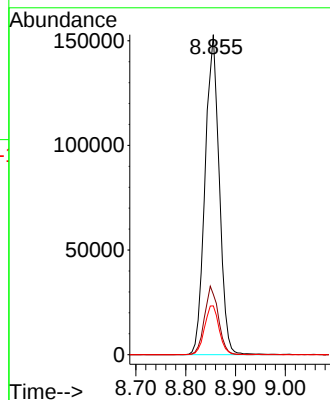
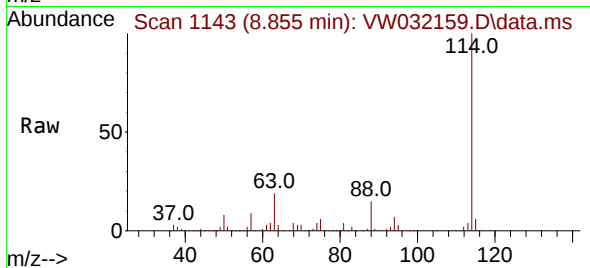
Tgt Ion:114 Resp: 301817

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

88 15.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.829 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032159.D

Acq: 28 Aug 2025 15:09

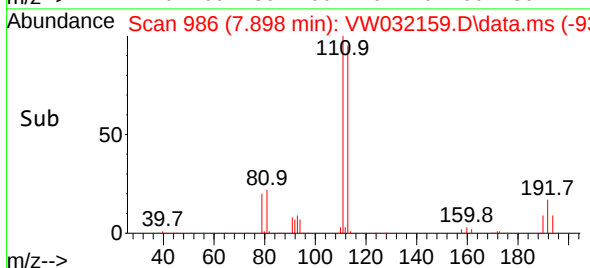
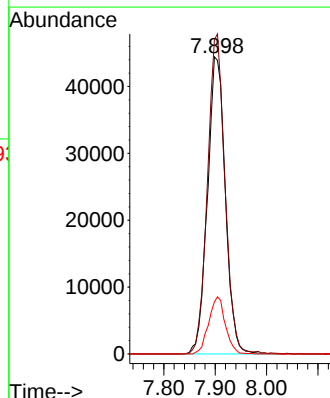
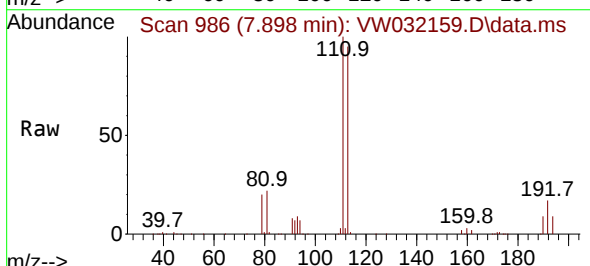
Tgt Ion:113 Resp: 107632

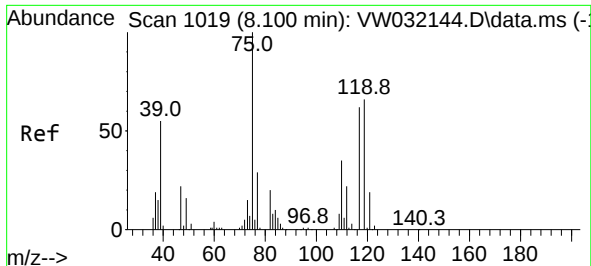
Ion Ratio Lower Upper

113 100

111 104.9 83.9 125.9

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032159.D

Acq: 28 Aug 2025 15:09

Instrument :

MSVOA_W

ClientSampleId :

TP4

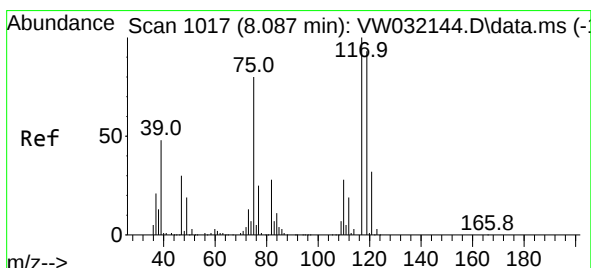
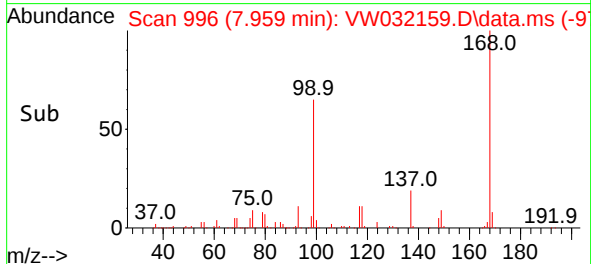
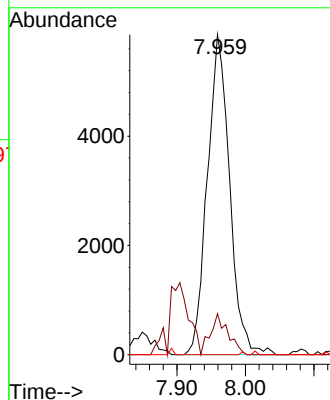
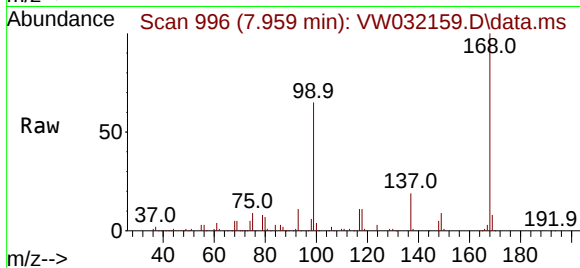
Tgt Ion: 75 Resp: 13238

Ion Ratio Lower Upper

75 100

110 10.1 17.5 52.5#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032159.D

Acq: 28 Aug 2025 15:09

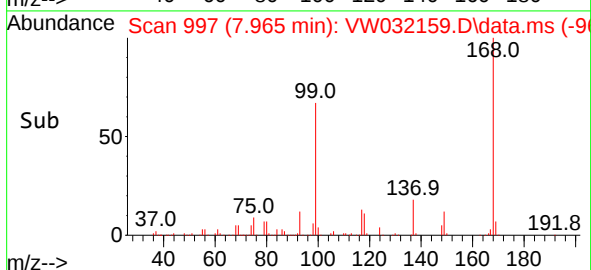
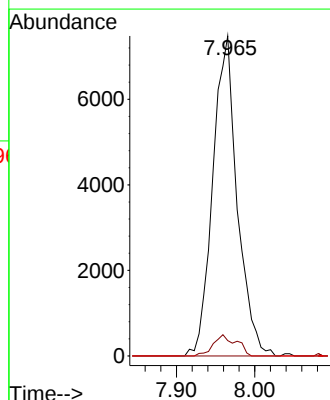
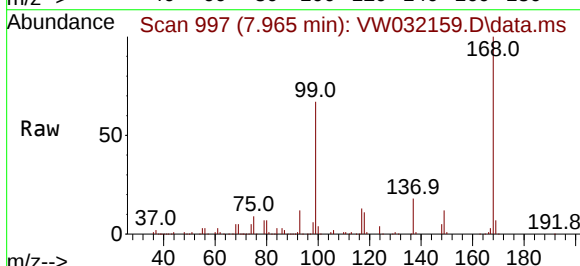
Tgt Ion: 117 Resp: 16249

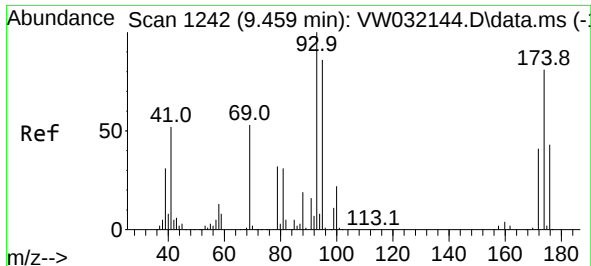
Ion Ratio Lower Upper

117 100

119 4.8 74.2 111.2#

121 0.0 25.6 38.4#

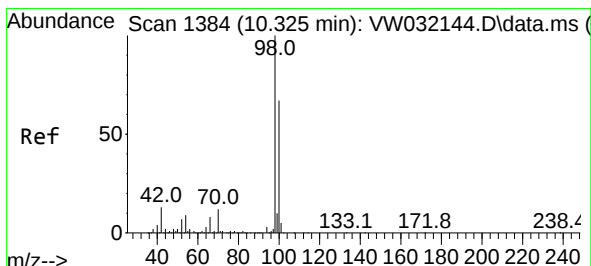
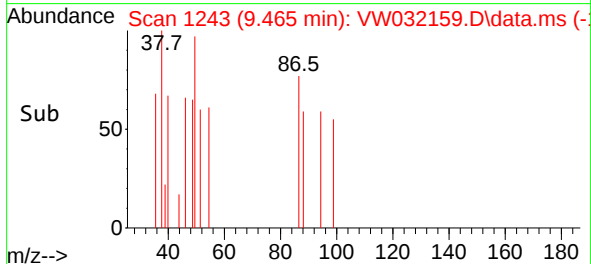
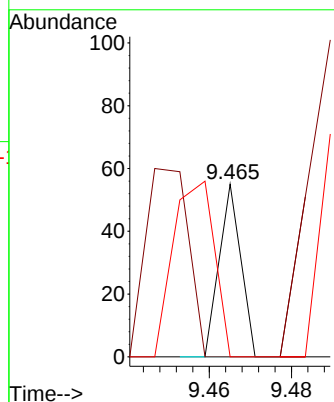
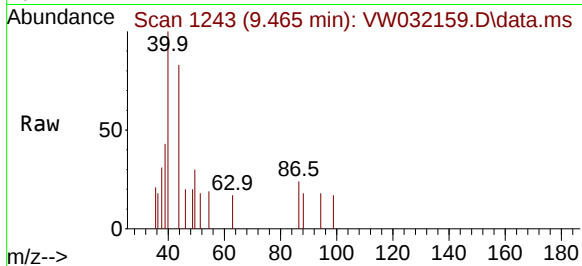




#49
 1,4-Dioxane
 Concen: 1.154 ug/l
 RT: 9.465 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW032159.D
 Acq: 28 Aug 2025 15:09

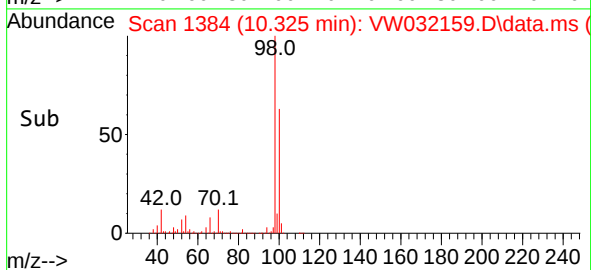
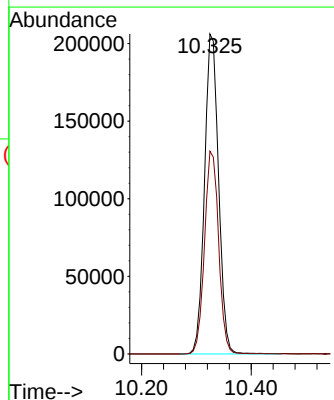
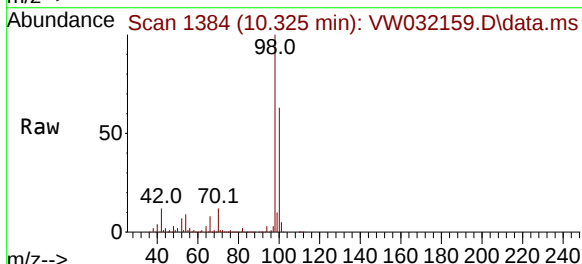
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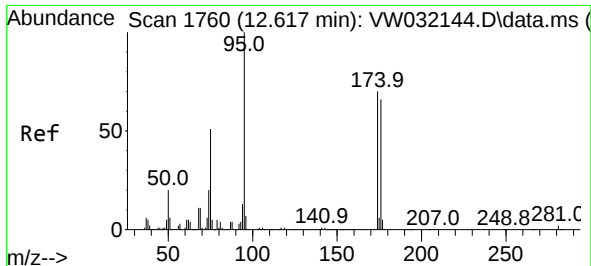
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 220.0 18.0 27.0#
 58 195.0 55.4 83.0#



#50
 Toluene-d8
 Concen: 49.150 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032159.D
 Acq: 28 Aug 2025 15:09

Tgt Ion: 98 Resp: 365358
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.4 77.2

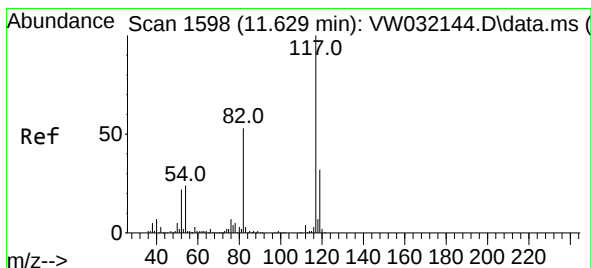
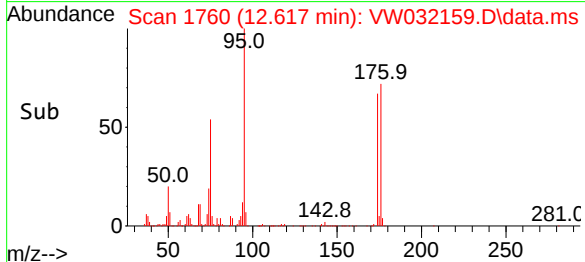
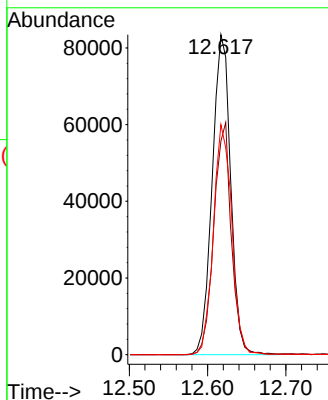
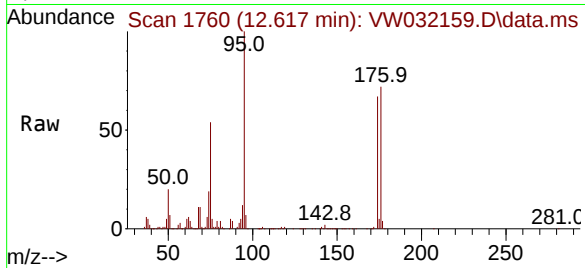




#62
4-Bromofluorobenzene
Concen: 49.649 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

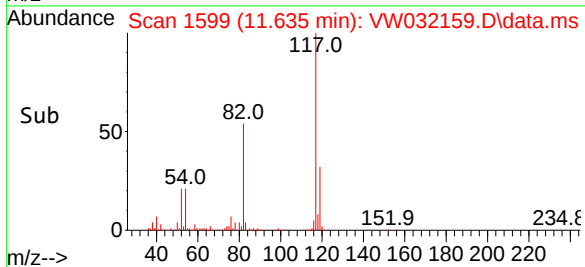
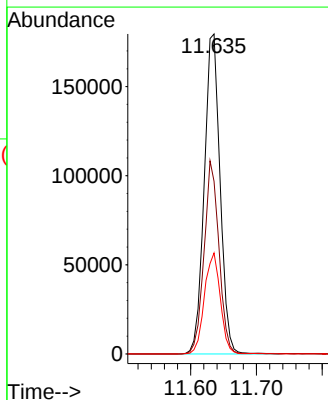
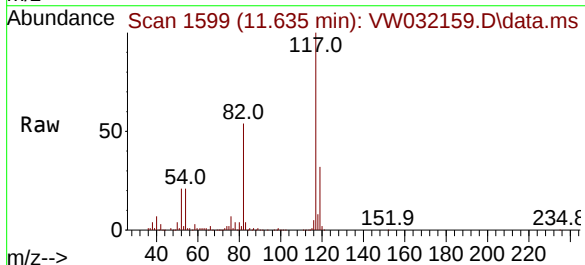
Instrument :
MSVOA_W
ClientSampleId :
TP4

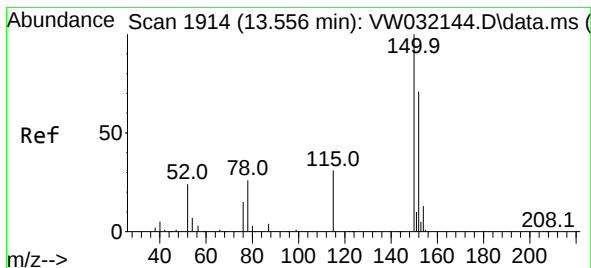
Tgt Ion: 95 Resp: 136476
Ion Ratio Lower Upper
95 100
174 69.0 0.0 145.6
176 71.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 117 Resp: 300374
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 31.6 25.2 37.8

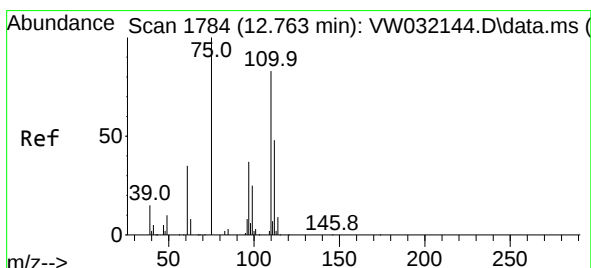
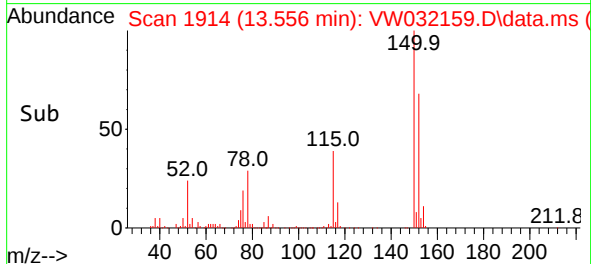
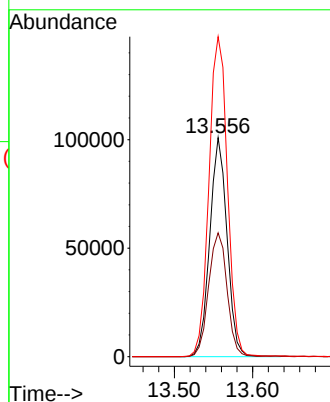
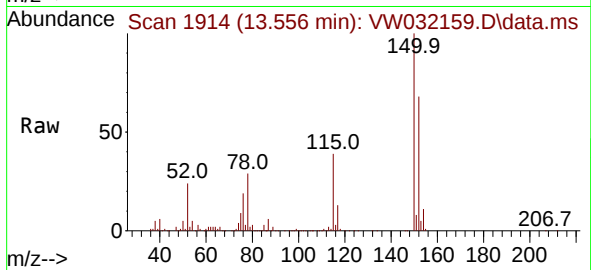




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

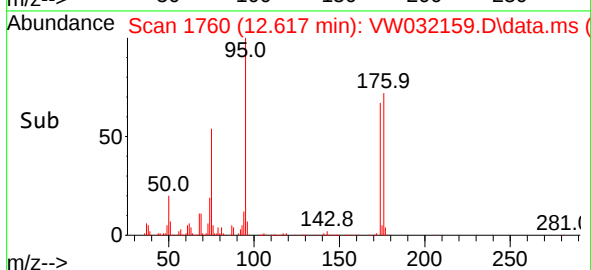
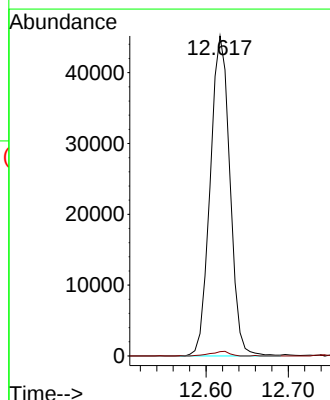
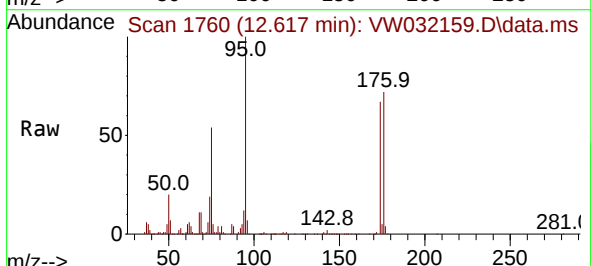
Instrument :
MSVOA_W
ClientSampleId :
TP4

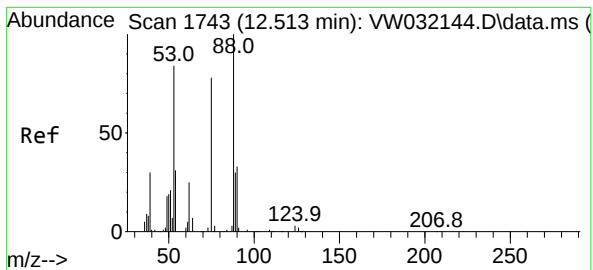
Tgt Ion:152 Resp: 154881
Ion Ratio Lower Upper
152 100
115 60.0 31.8 95.4
150 155.6 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 38.784 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032159.D
Acq: 28 Aug 2025 15:09

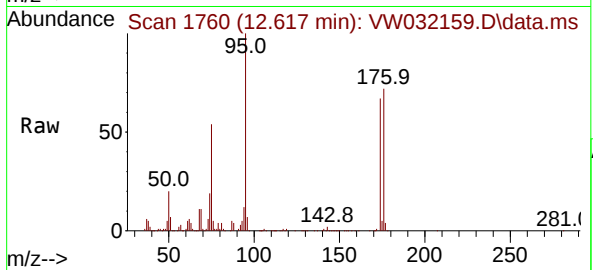
Tgt Ion: 75 Resp: 75254
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.424 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032159.D
 Acq: 28 Aug 2025 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TP4



Tgt Ion:	75	Resp:	75254
Ion	Ratio	Lower	Upper
75	100		
53	0.3	91.0	136.6#
89	0.0	39.4	59.2#

