

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032081.D
 Acq On : 14 Aug 2025 10:00
 Operator : SY/MD
 Sample : VW0814SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:46:50 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)

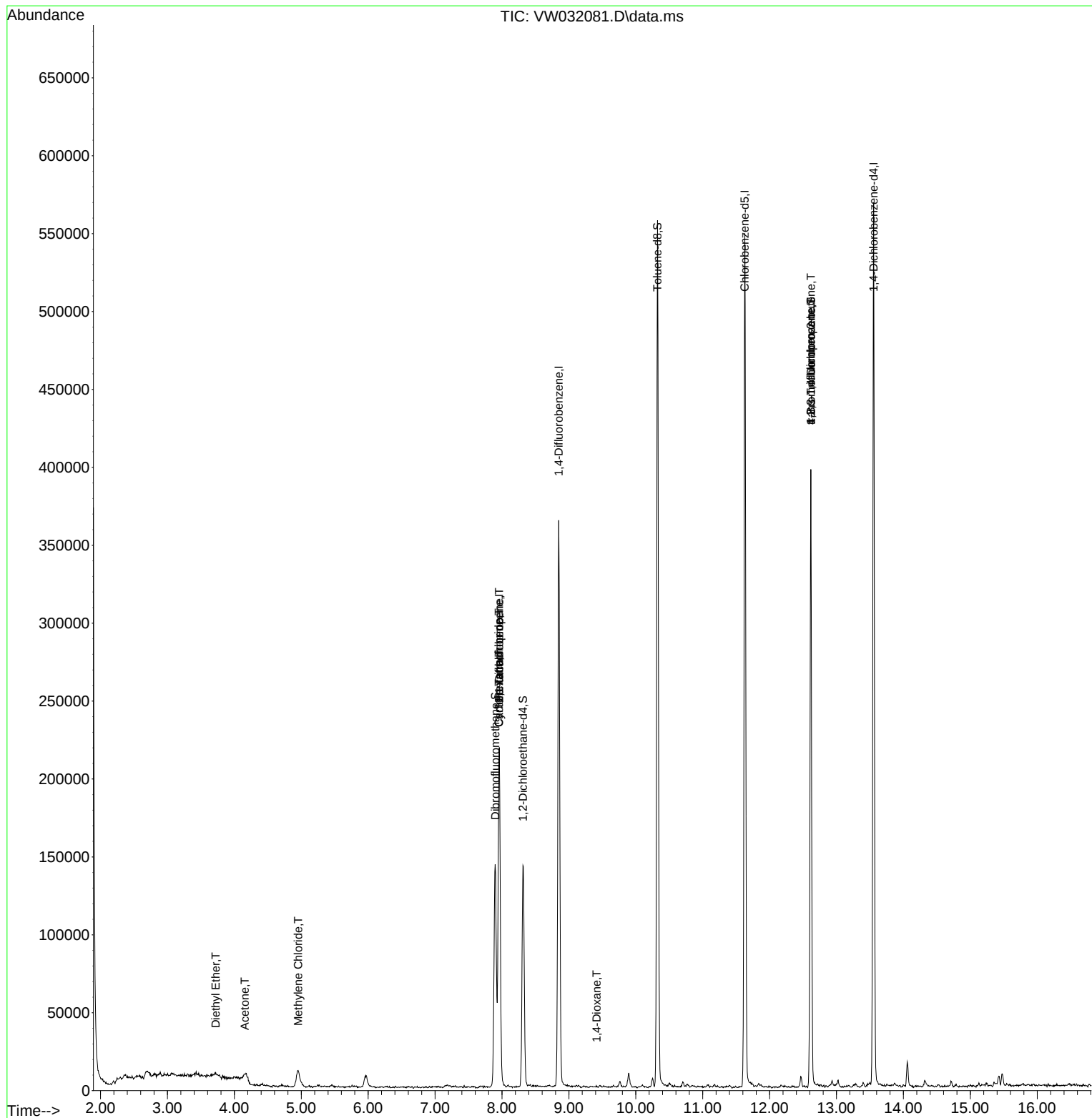
Internal Standards							
1) Pentafluorobenzene		7.959	168	151415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.849	114	296729	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.629	117	295553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.556	152	134418	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.313	65	119802	54.707	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	109.420%	
35) Dibromofluoromethane		7.898	113	104879	54.710	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.420%	
50) Toluene-d8		10.325	98	349304	49.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.520%	
62) 4-Bromofluorobenzene		12.617	95	121836	46.629	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.260%	
Target Compounds							
						Qvalue	
8) Diethyl Ether		3.722	74	1193	1.030	ug/l	76
16) Acetone		4.155	43	6382	12.587	ug/l	94
20) Methylene Chloride		4.954	84	9865	4.208	ug/l	89
31) Cyclohexane		7.953	56	4416	1.415	ug/l #	45
36) 1,1-Dichloropropene		7.959	75	14233	5.267	ug/l #	50
38) Carbon Tetrachloride		7.953	117	17479	6.702	ug/l #	20
49) 1,4-Dioxane		9.416	88	48	2.834	ug/l #	1
76) 1,2,3-Trichloropropane		12.617	75	67317	36.899	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.617	75	67317	95.528	ug/l #	9

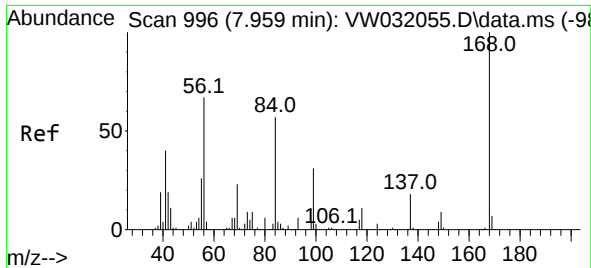
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_W
ClientSampleId :

Quant Time: Aug 18 03:46:50 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

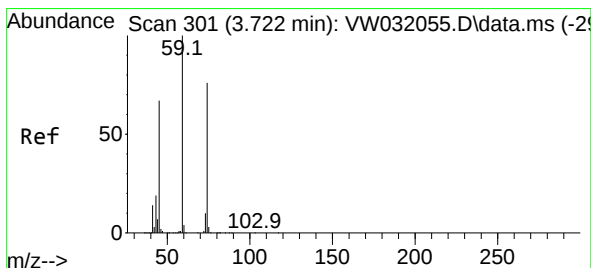
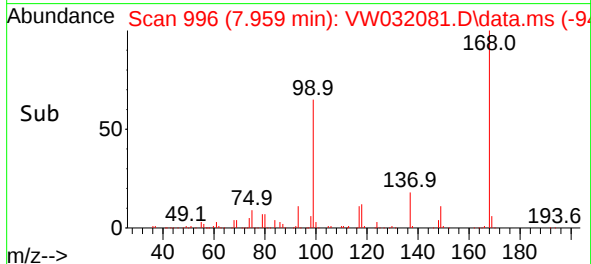
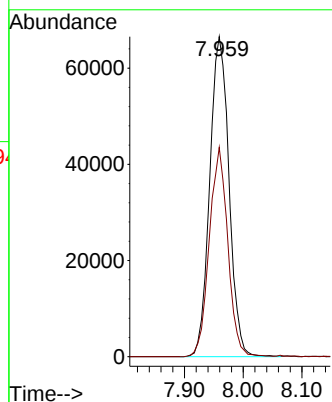
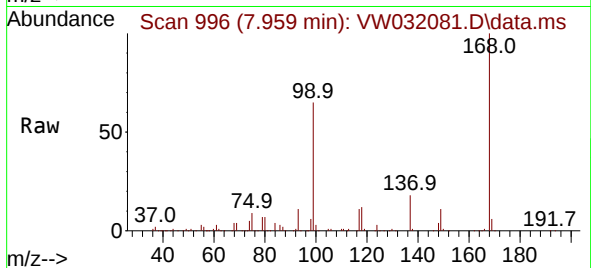




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

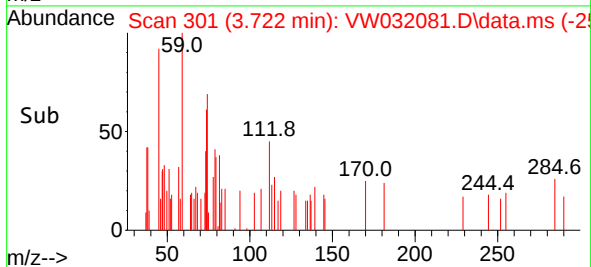
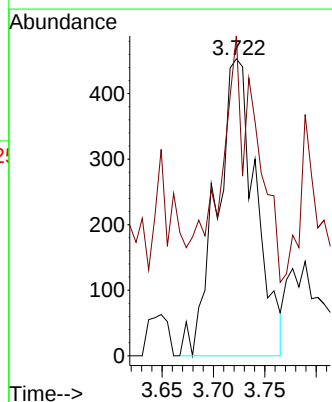
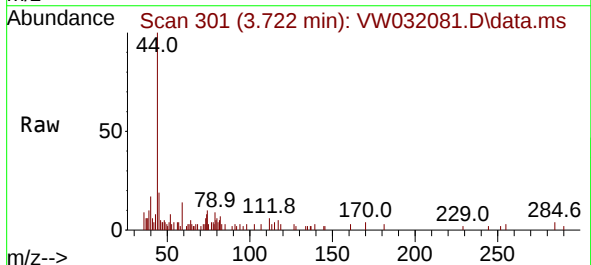
Instrument :
MSVOA_W
ClientSampleId :

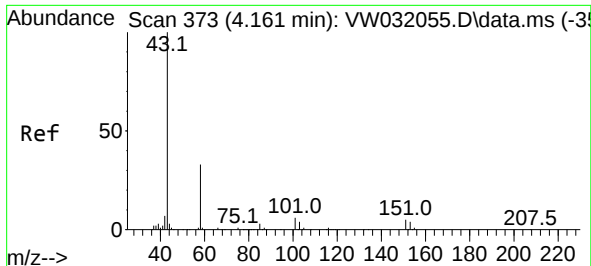
Tgt Ion:168 Resp: 151415
Ion Ratio Lower Upper
168 100
99 65.4 56.0 84.0



#8
Diethyl Ether
Concen: 1.030 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion: 74 Resp: 1193
Ion Ratio Lower Upper
74 100
45 68.1 45.4 136.2

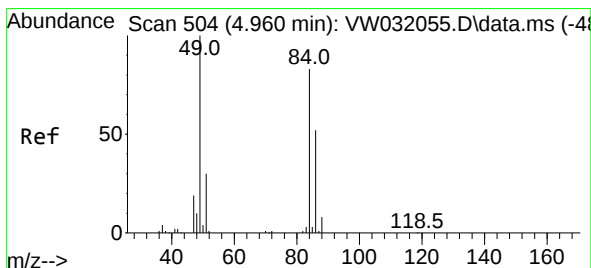
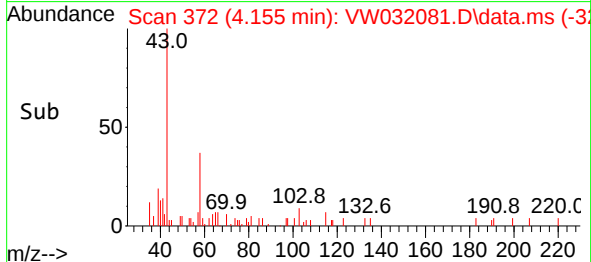
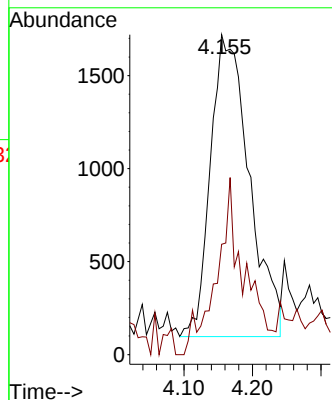
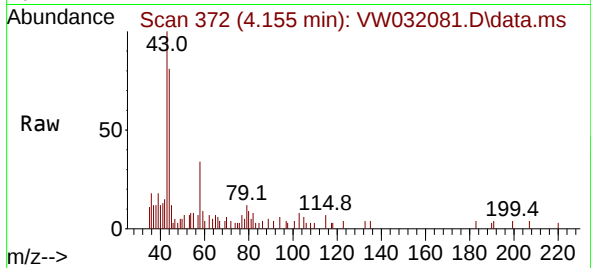




#16
Acetone
Concen: 12.587 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

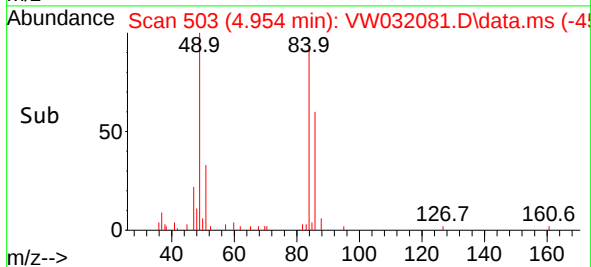
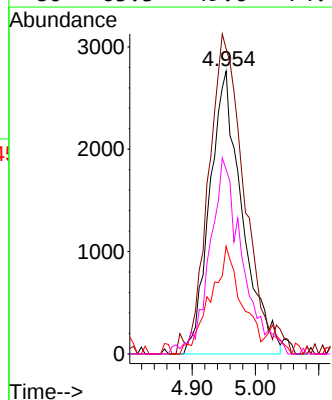
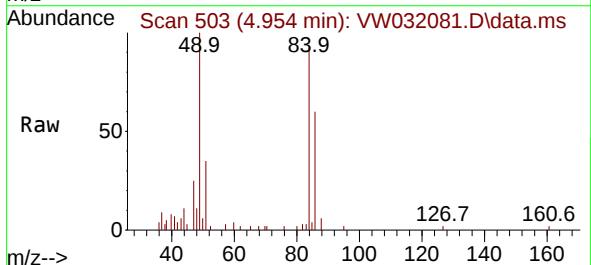
Instrument :
MSVOA_W
ClientSampleId :

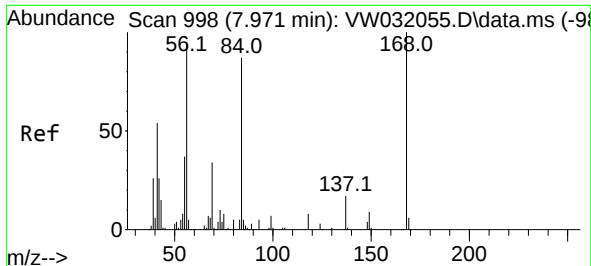
Tgt Ion: 43 Resp: 6382
Ion Ratio Lower Upper
43 100
58 36.5 26.6 39.8



#20
Methylene Chloride
Concen: 4.208 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion: 84 Resp: 9865
Ion Ratio Lower Upper
84 100
49 100.8 95.9 143.9
51 38.1 28.6 43.0
86 63.3 49.6 74.4

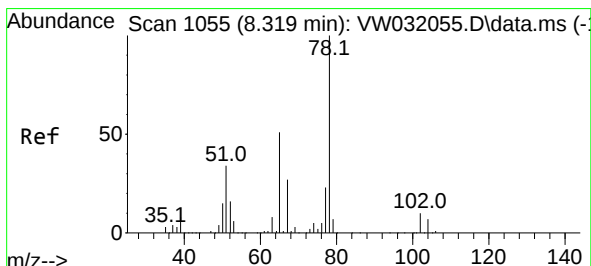
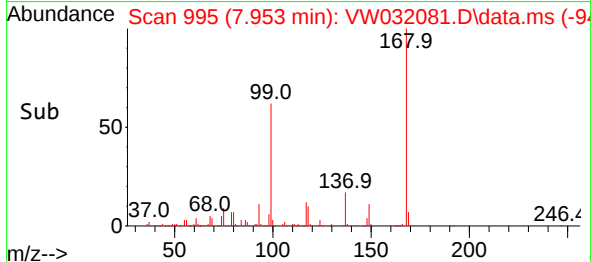
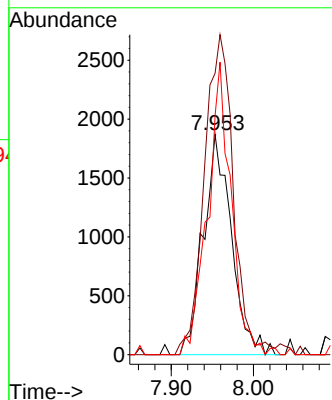
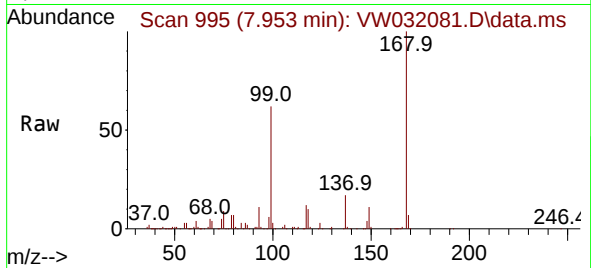




#31
Cyclohexane
Concen: 1.415 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

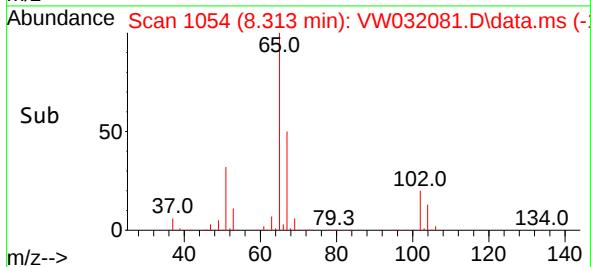
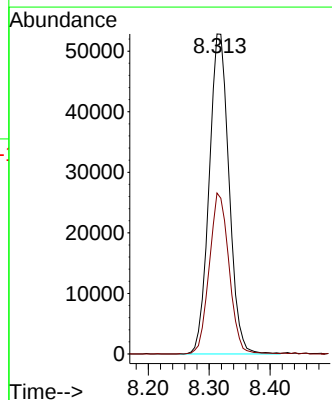
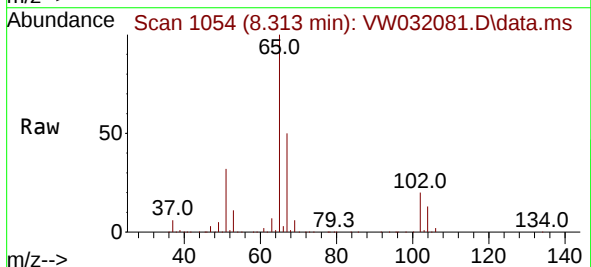
Instrument :
MSVOA_W
ClientSampleId :

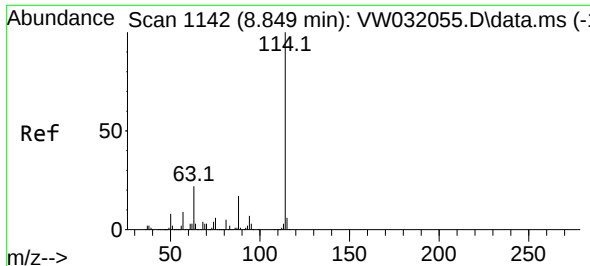
Tgt Ion: 56 Resp: 4416
Ion Ratio Lower Upper
56 100
69 123.1 28.6 42.8#
84 108.4 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 54.707 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

Tgt Ion: 65 Resp: 119802
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032081.D

Acq: 14 Aug 2025 10:00

Instrument :

MSVOA_W

ClientSampleId :

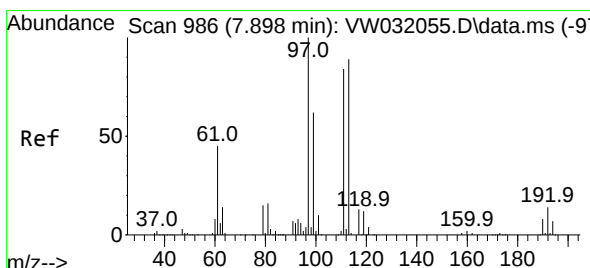
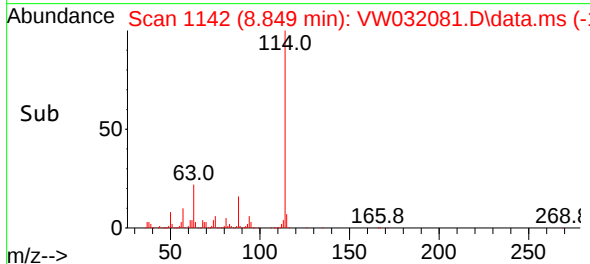
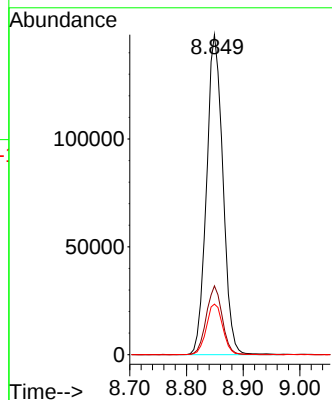
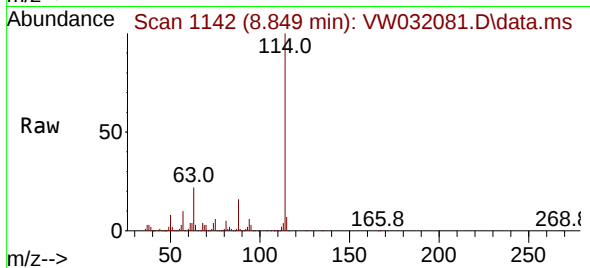
Tgt Ion:114 Resp: 296729

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 15.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 54.710 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032081.D

Acq: 14 Aug 2025 10:00

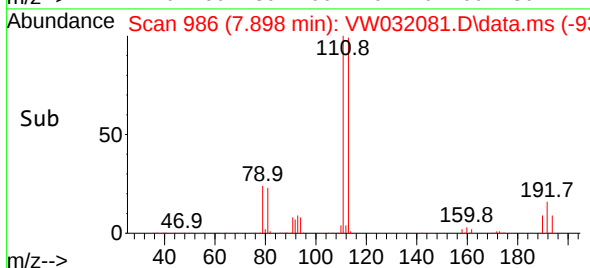
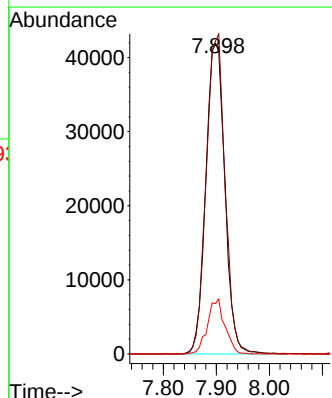
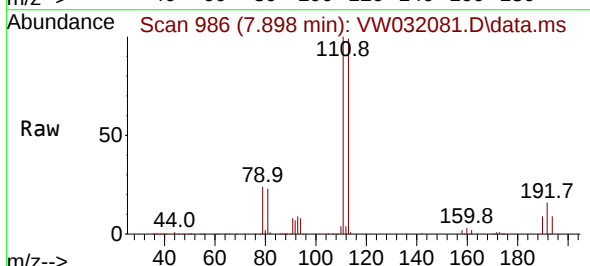
Tgt Ion:113 Resp: 104879

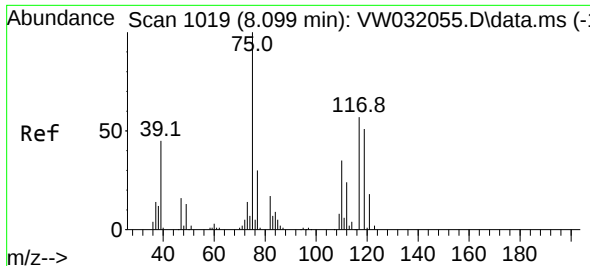
Ion Ratio Lower Upper

113 100

111 101.8 80.1 120.1

192 16.2 13.1 19.7





#36

1,1-Dichloropropene

Concen: 5.267 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

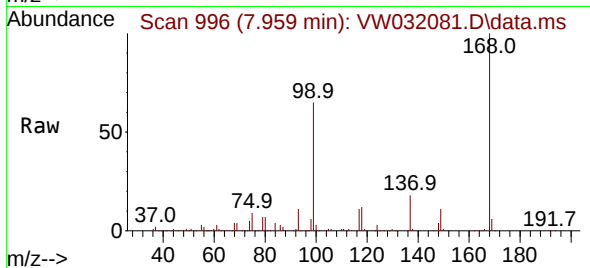
Lab File: VW032081.D

Acq: 14 Aug 2025 10:00

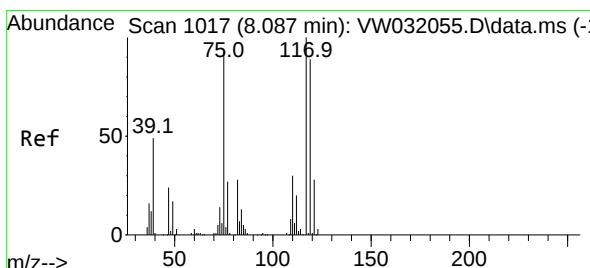
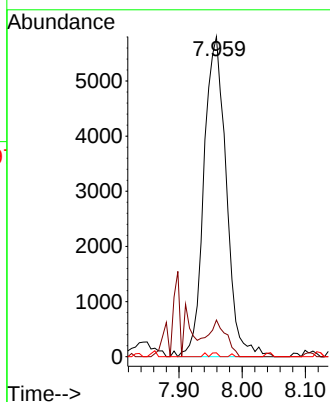
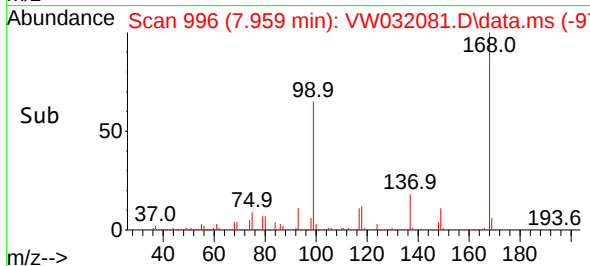
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	14233
Ion Ratio	Lower	Upper	
75	100		
110	9.0	17.4	52.2#
77	0.5	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.702 ug/l

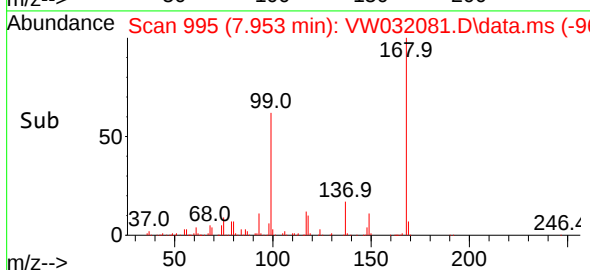
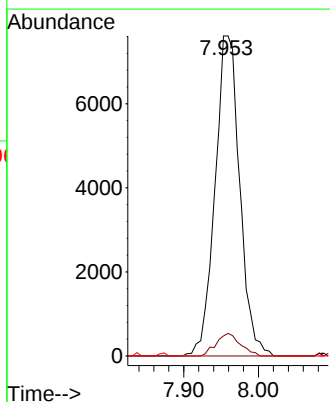
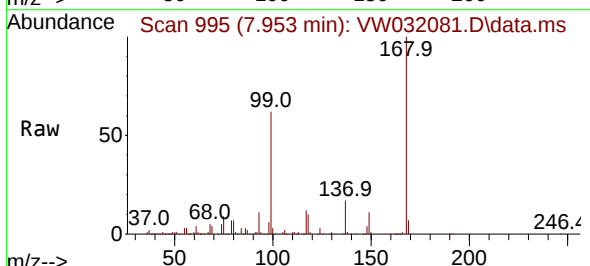
RT: 7.953 min Scan# 995

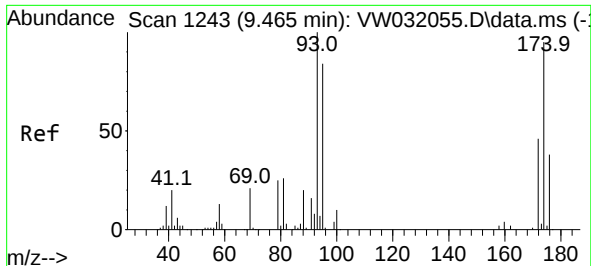
Delta R.T. -0.134 min

Lab File: VW032081.D

Acq: 14 Aug 2025 10:00

Tgt Ion:	117	Resp:	17479
Ion Ratio	Lower	Upper	
117	100		
119	6.3	71.4	107.2#
121	0.0	22.3	33.5#





#49

1,4-Dioxane

Concen: 2.834 ug/l

RT: 9.416 min Scan# 1235

Delta R.T. -0.049 min

Lab File: VW032081.D

Acq: 14 Aug 2025 10:00

Instrument :

MSVOA_W

ClientSampleId :

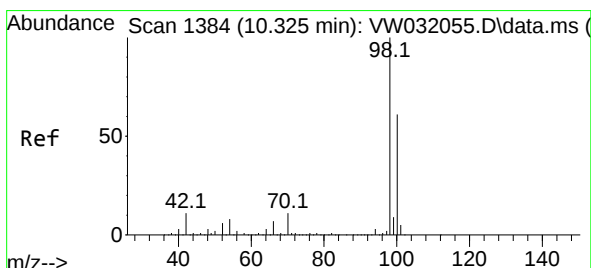
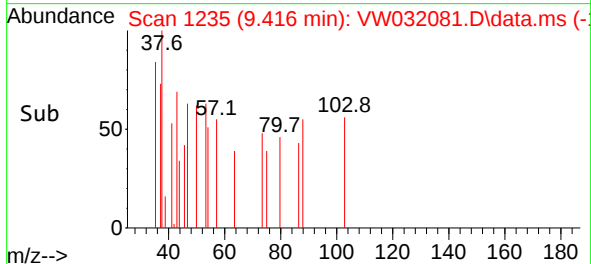
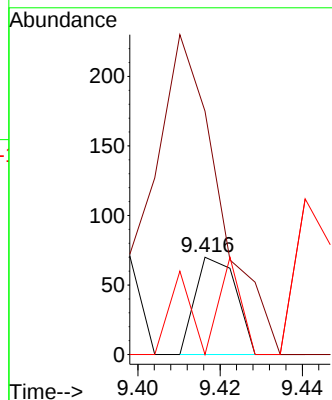
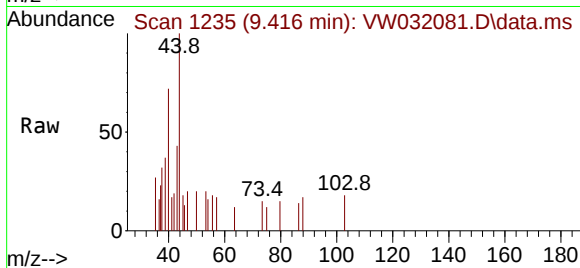
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 495.8 20.6 30.8#

58 45.8 60.4 90.6#



#50

Toluene-d8

Concen: 49.265 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032081.D

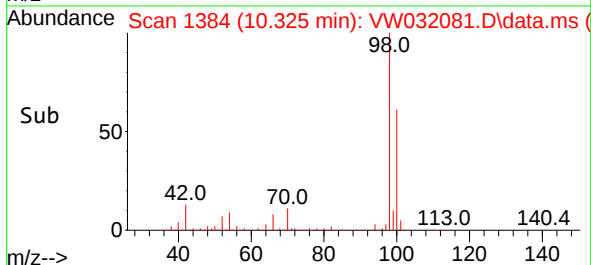
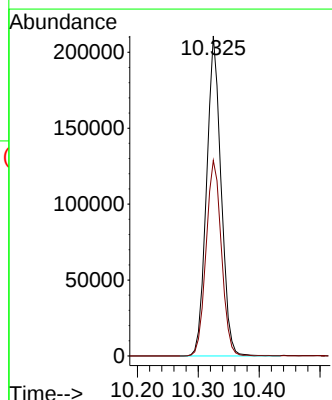
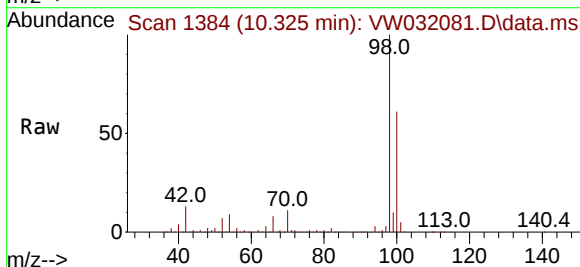
Acq: 14 Aug 2025 10:00

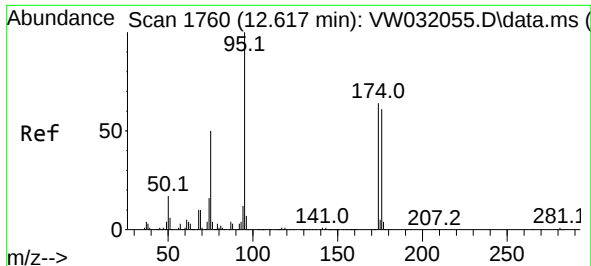
Tgt Ion: 98 Resp: 349304

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7

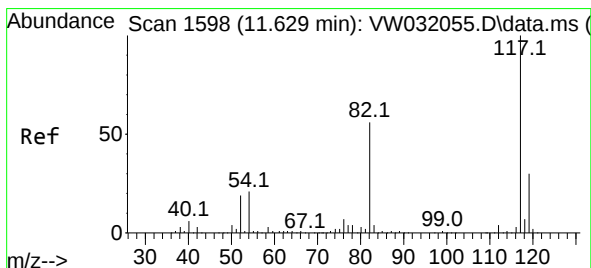
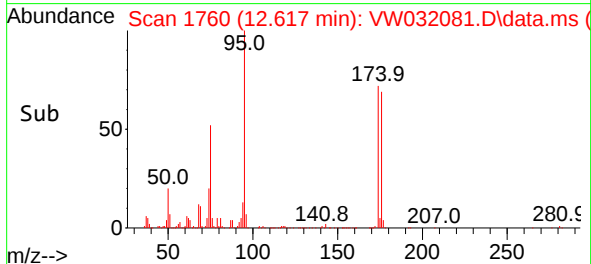
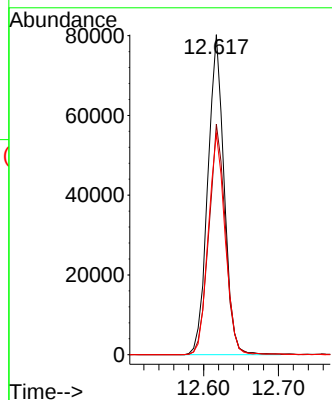
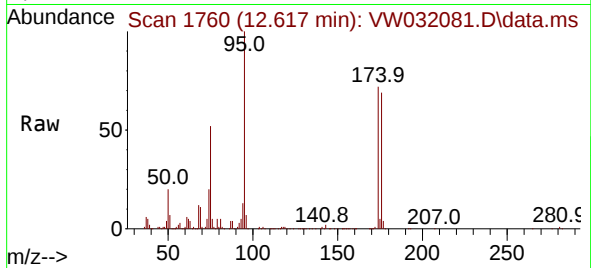




#62
4-Bromofluorobenzene
Concen: 46.629 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

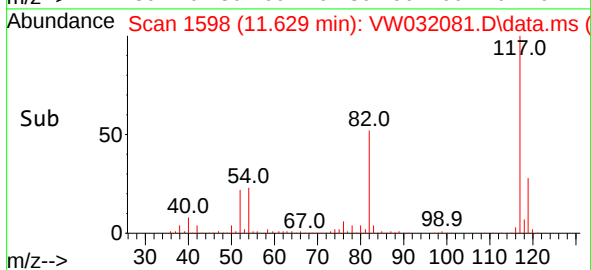
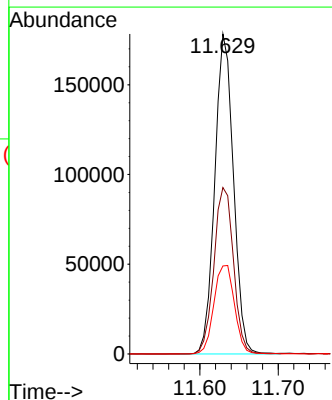
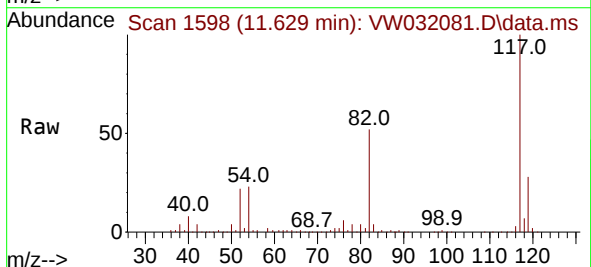
Instrument :
MSVOA_W
ClientSampleId :

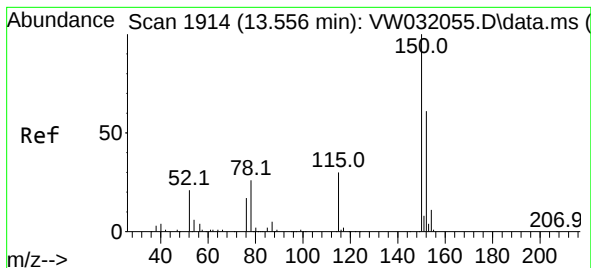
Tgt Ion: 95 Resp: 121836
Ion Ratio Lower Upper
95 100
174 73.1 0.0 129.0
176 71.4 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032081.D
Acq: 14 Aug 2025 10:00

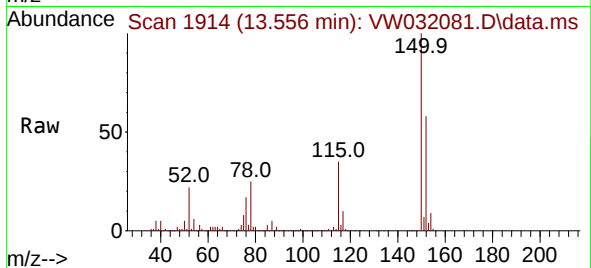
Tgt Ion: 117 Resp: 295553
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 27.5 24.2 36.4



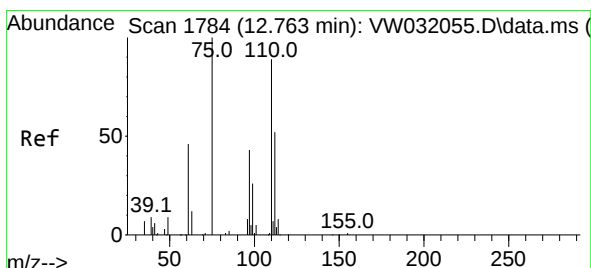
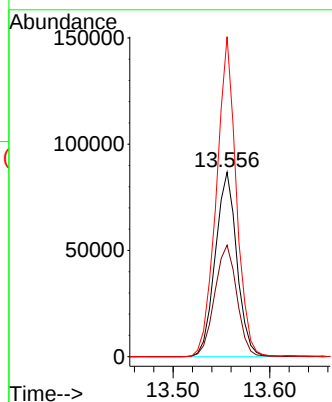
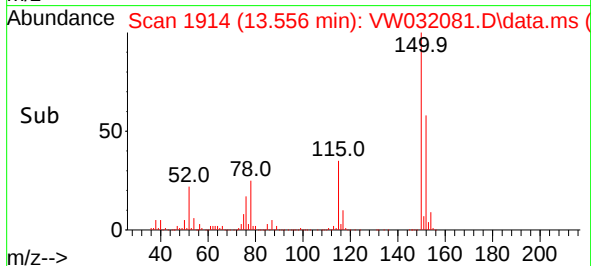


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032081.D
 Acq: 14 Aug 2025 10:00

Instrument :
 MSVOA_W
 ClientSampleId :

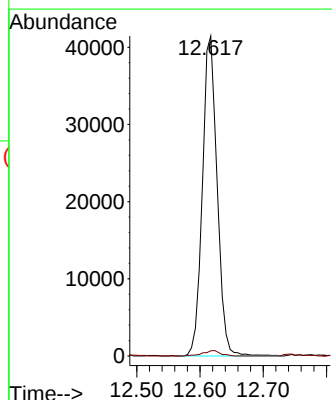
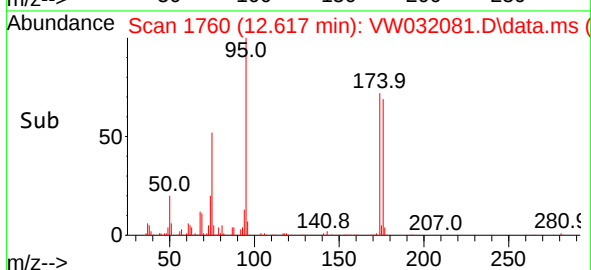
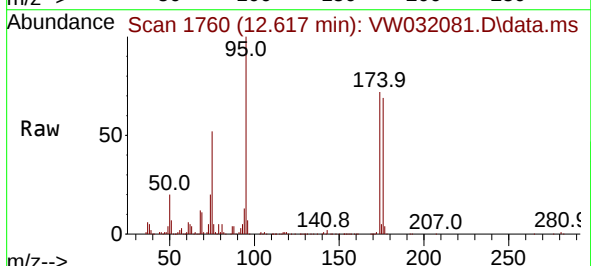


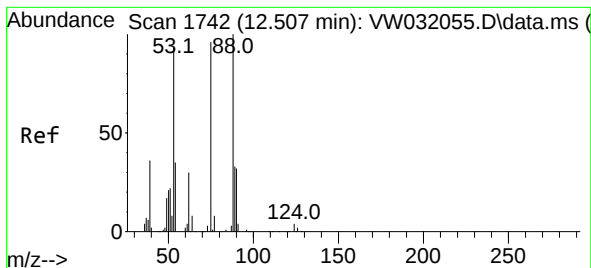
Tgt Ion:152 Resp: 134418
 Ion Ratio Lower Upper
 152 100
 115 62.6 32.6 97.8
 150 160.0 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 36.899 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032081.D
 Acq: 14 Aug 2025 10:00

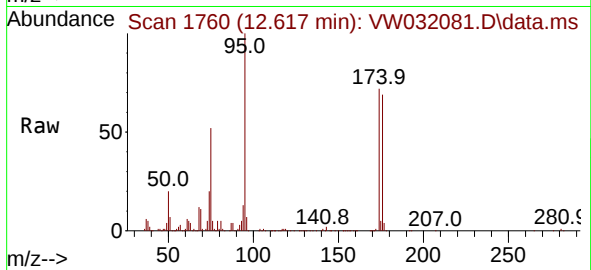
Tgt Ion: 75 Resp: 67317
 Ion Ratio Lower Upper
 75 100
 77 2.0 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.528 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032081.D
 Acq: 14 Aug 2025 10:00

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 67317
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.3 37.3 55.9#

