

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032211.D
 Acq On : 19 Sep 2025 13:36
 Operator : SY/MD
 Sample : Q3145-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:09:08 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)

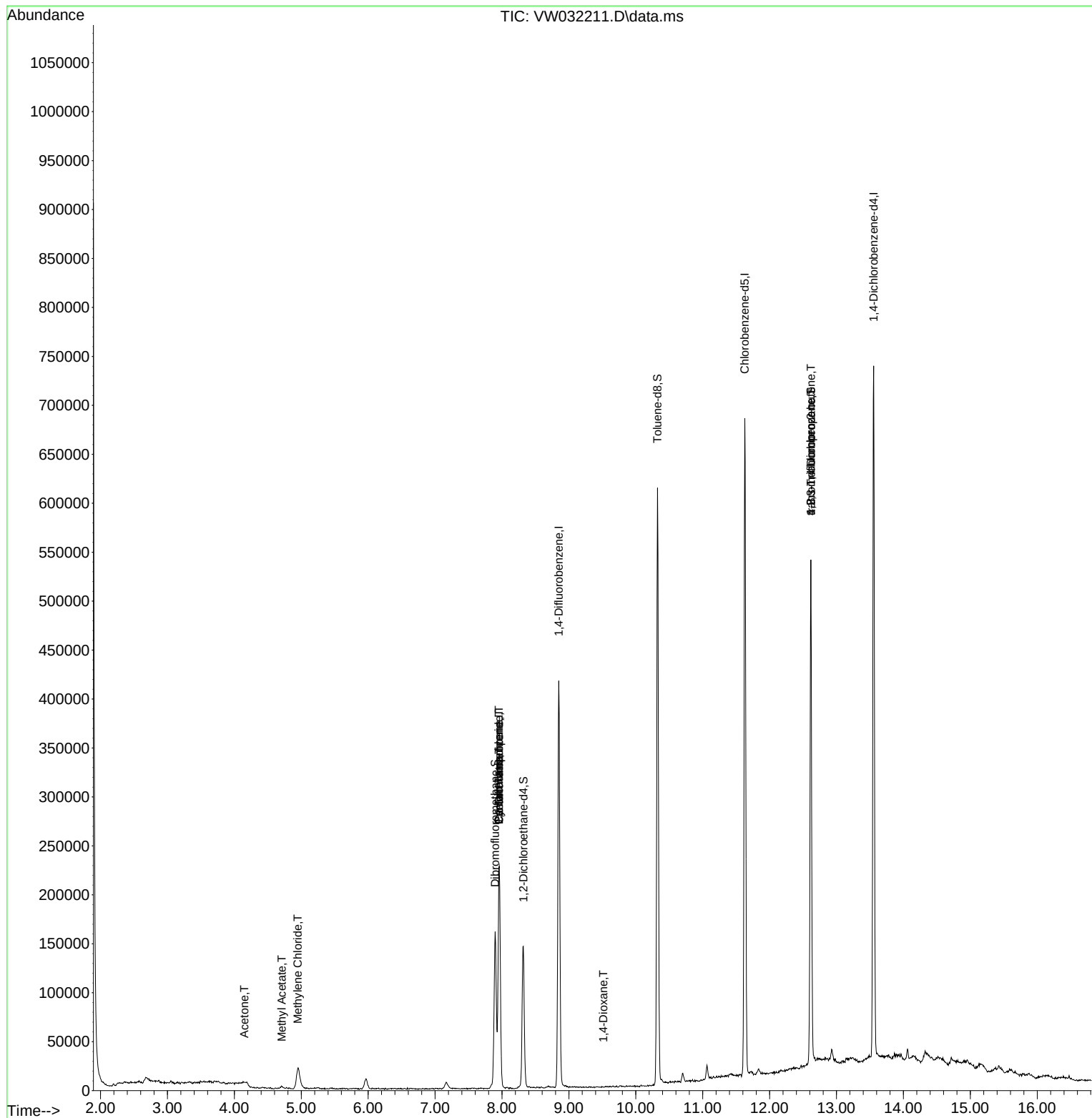
Internal Standards						
1) Pentafluorobenzene	7.953	168	161543	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	342282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121899	52.764	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 105.520%		
35) Dibromofluoromethane	7.898	113	109785	45.717	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 91.440%		
50) Toluene-d8	10.325	98	388210	46.050	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.100%		
62) 4-Bromofluorobenzene	12.617	95	165371	53.049	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.100%		
Target Compounds						
					Qvalue	
16) Acetone	4.149	43	2954	5.904	ug/l	98
18) Methyl Acetate	4.710	43	3830	2.403	ug/l	98
20) Methylene Chloride	4.948	84	18851	5.755	ug/l	94
31) Cyclohexane	7.953	56	4830	1.703	ug/l #	47
36) 1,1-Dichloropropene	7.953	75	14950	4.801	ug/l #	52
38) Carbon Tetrachloride	7.953	117	18674	5.595	ug/l #	17
49) 1,4-Dioxane	9.514	88	87	4.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	89874	40.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	89874	107.824	ug/l #	5

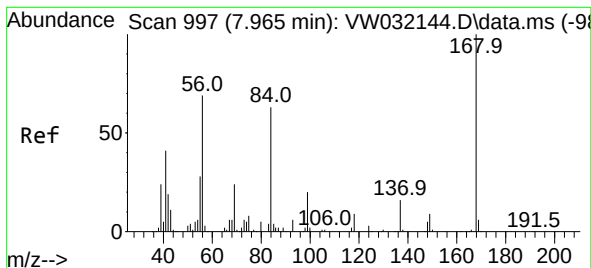
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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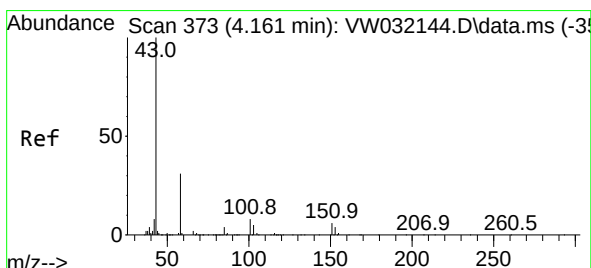
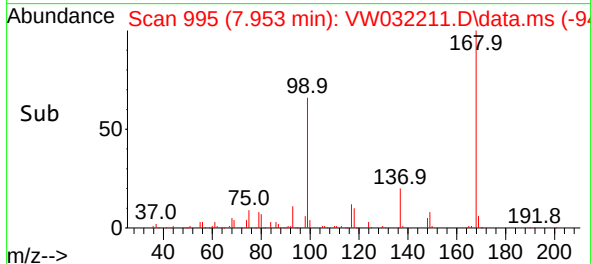
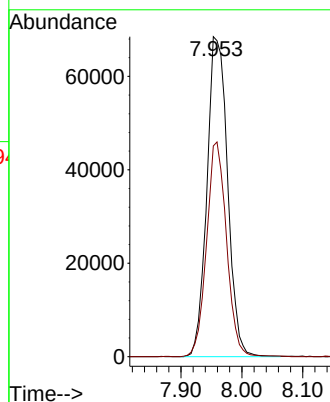
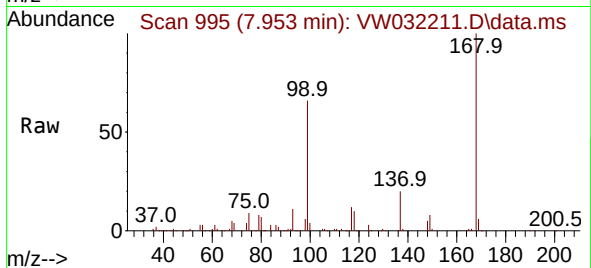




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.012 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

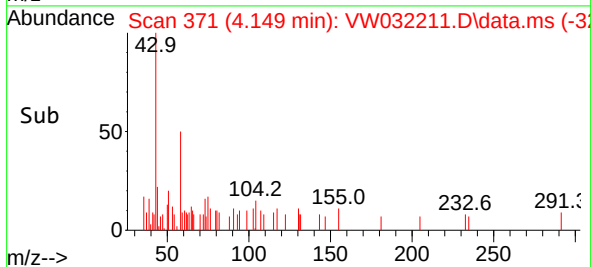
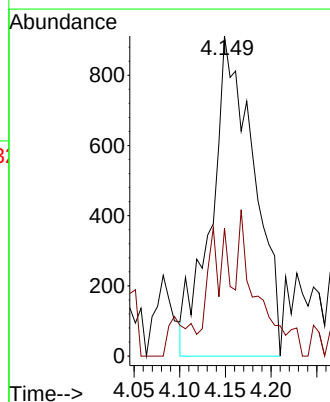
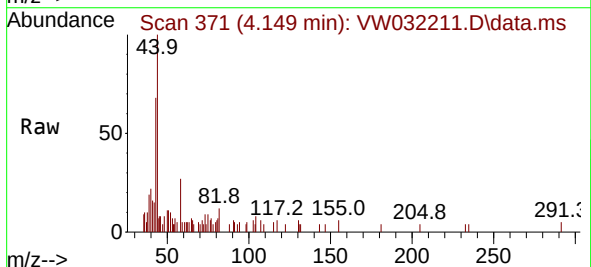
Instrument :
MSVOA_W
ClientSampleId :

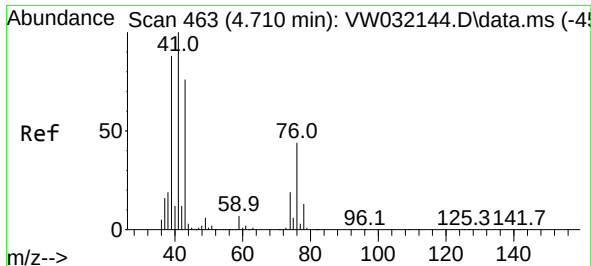
Tgt Ion:168 Resp: 161543
Ion Ratio Lower Upper
168 100
99 65.9 49.3 73.9



#16
Acetone
Concen: 5.904 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.012 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Tgt Ion: 43 Resp: 2954
Ion Ratio Lower Upper
43 100
58 30.5 25.3 37.9

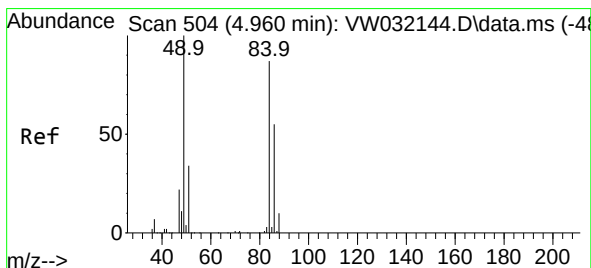
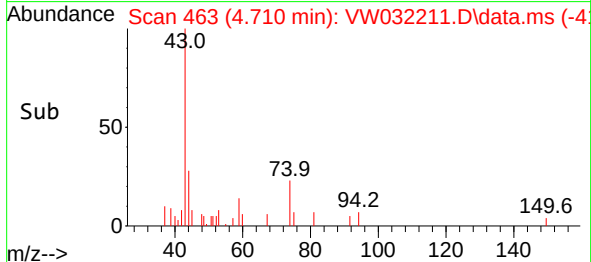
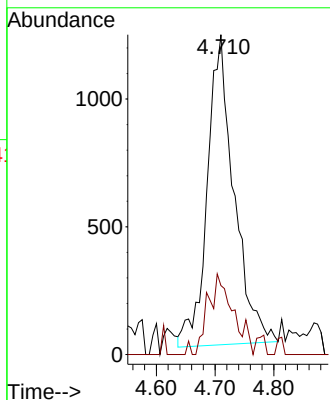
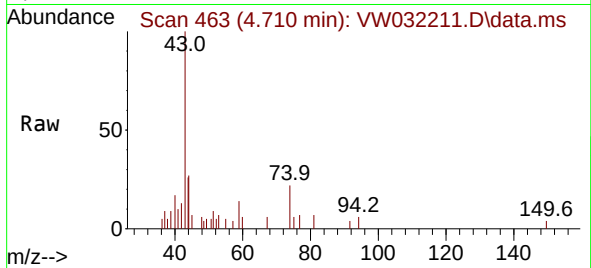




#18
Methyl Acetate
Concen: 2.403 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

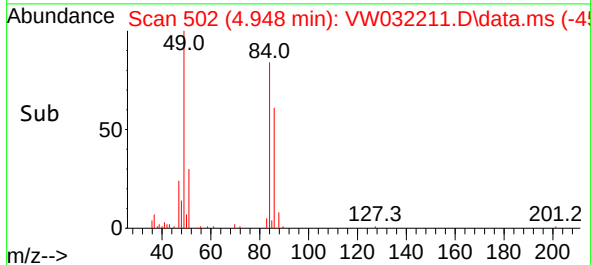
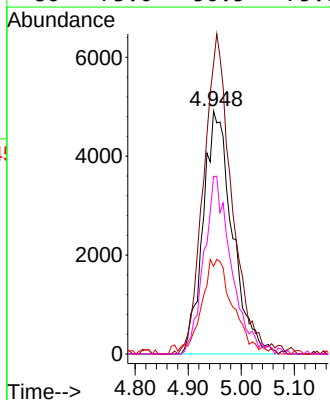
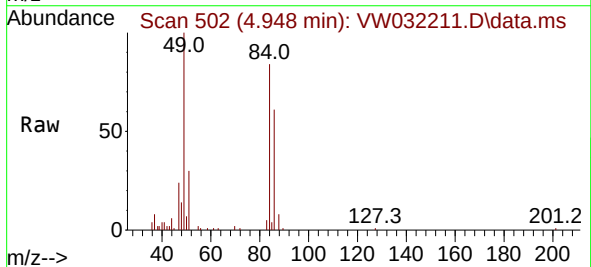
Instrument :
MSVOA_W
ClientSampleId :

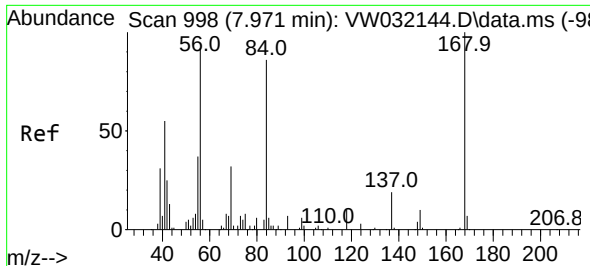
Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
74 24.2 20.2 30.4



#20
Methylene Chloride
Concen: 5.755 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

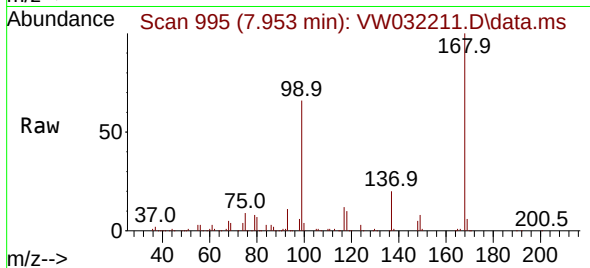
Tgt Ion: 84 Resp: 18851
Ion Ratio Lower Upper
84 100
49 119.3 92.2 138.4
51 36.1 31.0 46.6
86 73.0 50.5 75.7



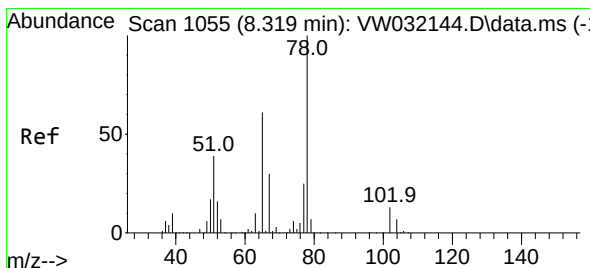
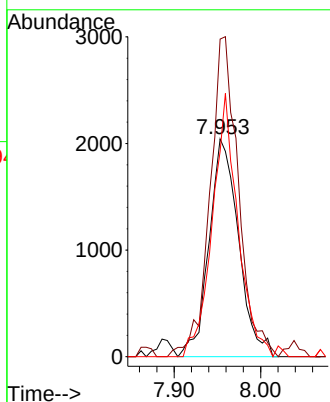
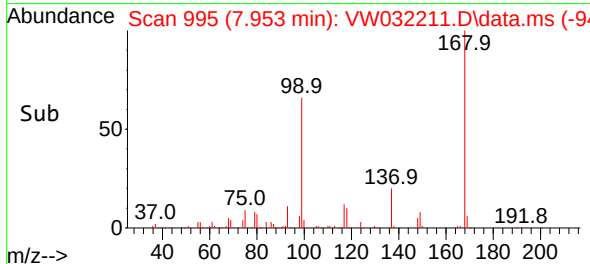


#31
Cyclohexane
Concen: 1.703 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Instrument :
MSVOA_W
ClientSampleId :

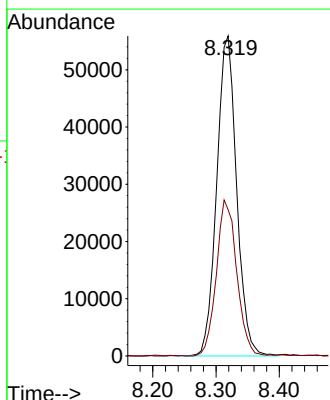
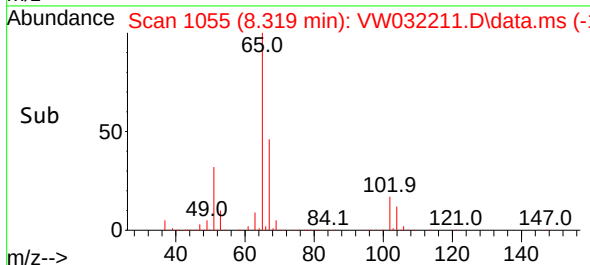
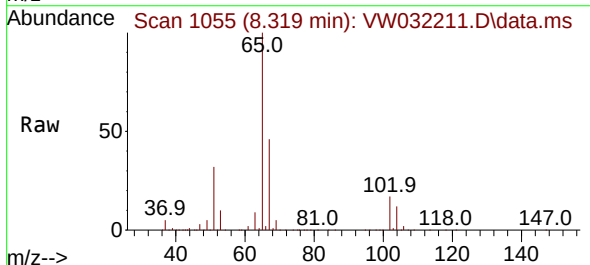


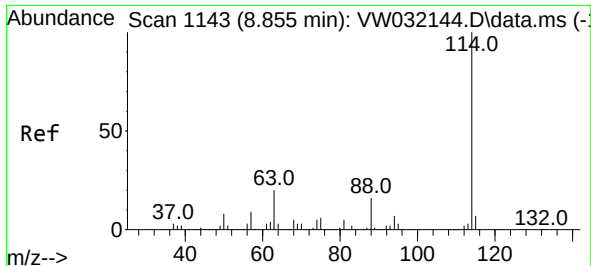
Tgt Ion: 56 Resp: 4830
Ion Ratio Lower Upper
56 100
69 145.9 27.7 41.5#
84 94.3 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 52.764 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Tgt Ion: 65 Resp: 121899
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

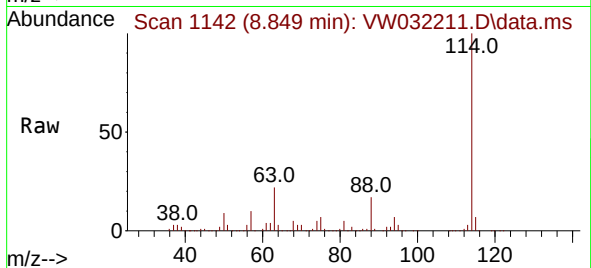
Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

Instrument :

MSVOA_W

ClientSampleId :



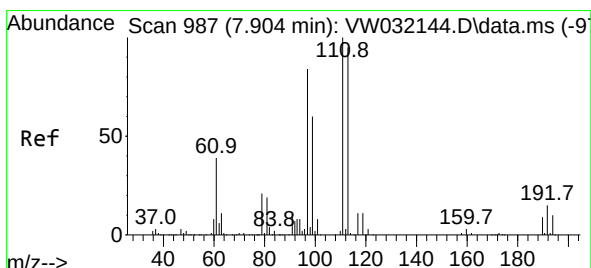
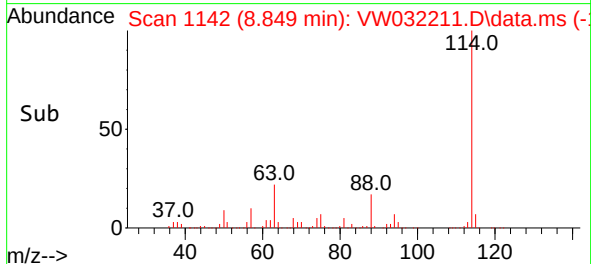
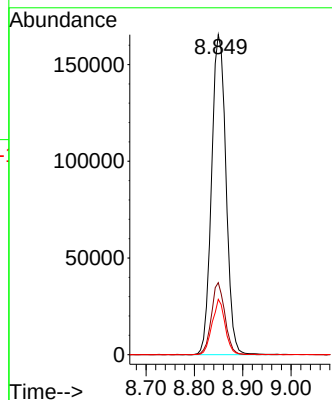
Tgt Ion:114 Resp: 342282

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.4

88 17.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 45.717 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

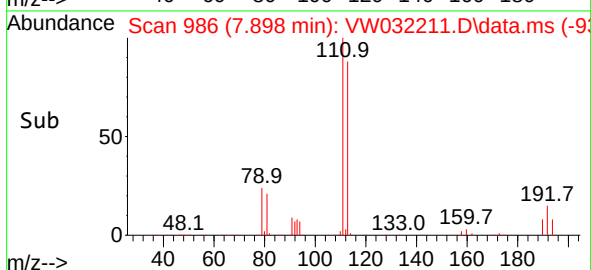
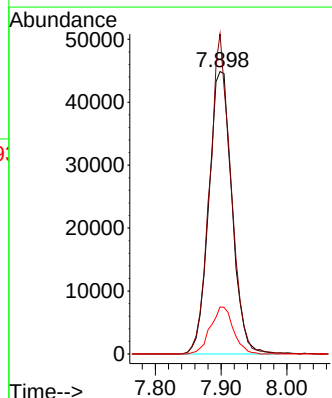
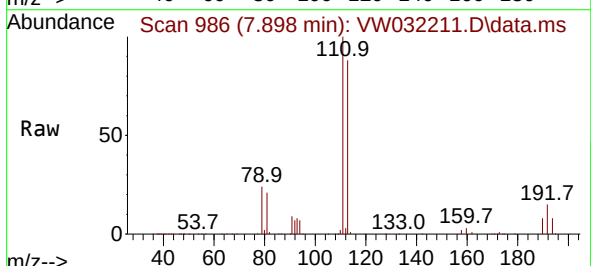
Tgt Ion:113 Resp: 109785

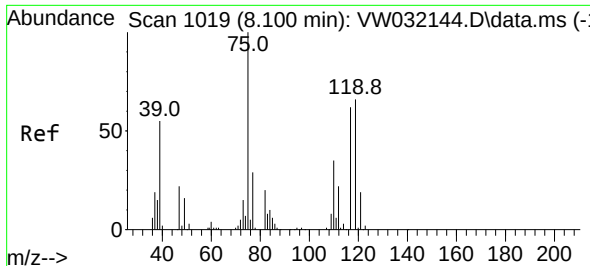
Ion Ratio Lower Upper

113 100

111 104.0 83.9 125.9

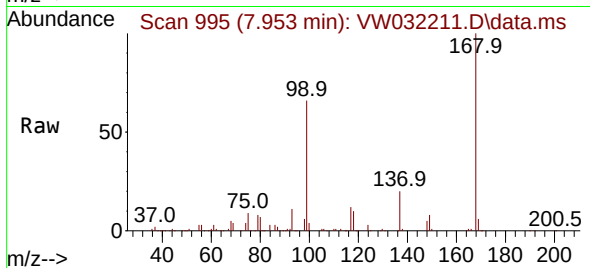
192 16.5 14.6 21.8



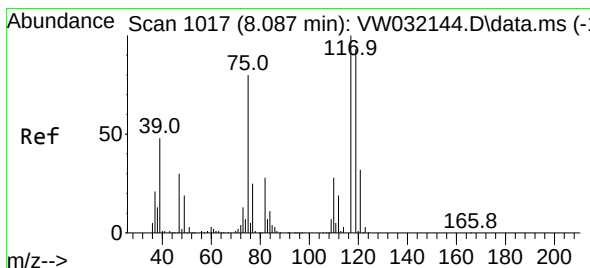
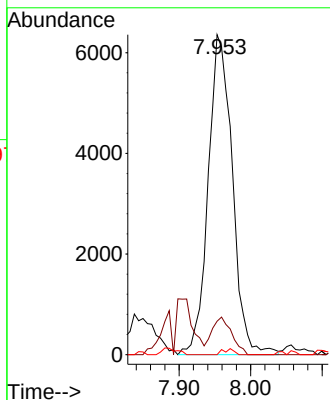
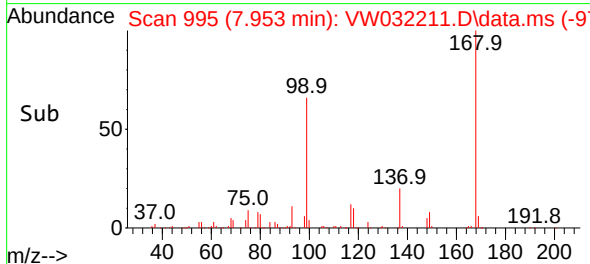


#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Instrument :
MSVOA_W
ClientSampleId :

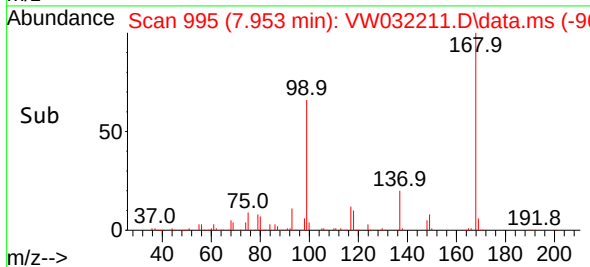
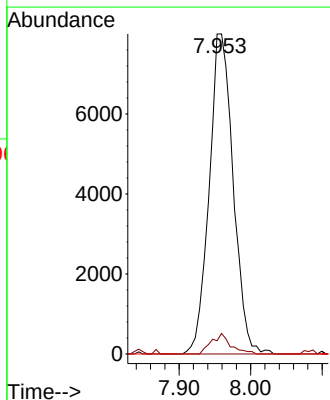
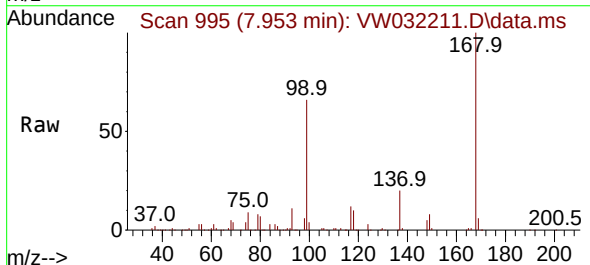


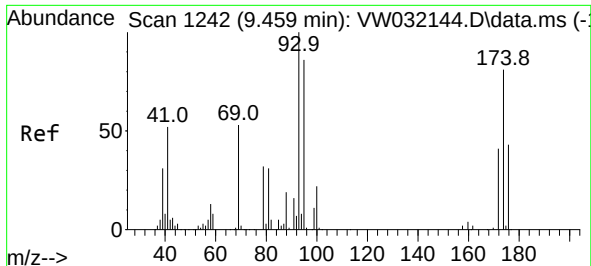
Tgt Ion: 75 Resp: 14950
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.8 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.595 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.134 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Tgt Ion: 117 Resp: 18674
Ion Ratio Lower Upper
117 100
119 4.2 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 4.425 ug/l

RT: 9.514 min Scan# 1251

Delta R.T. 0.055 min

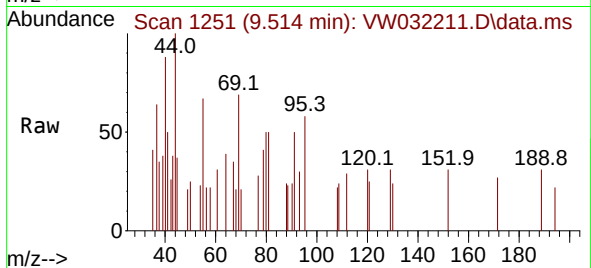
Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

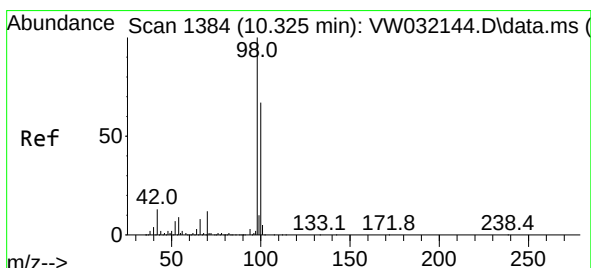
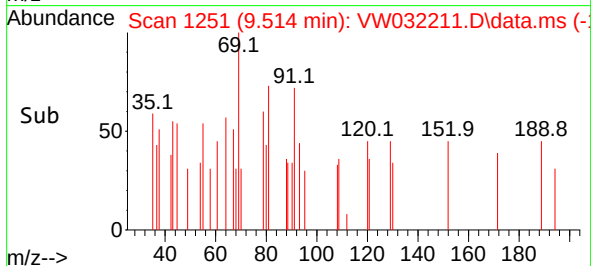
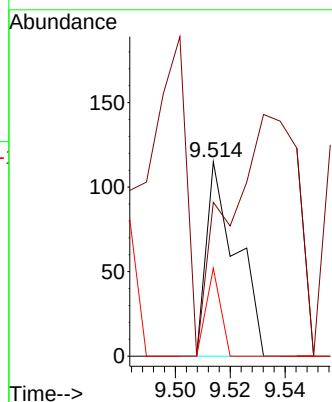
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	88	Resp:	87
Ion	Ratio	Lower	Upper
88	100		
43	229.9	18.0	27.0#
58	21.8	55.4	83.0#



#50

Toluene-d8

Concen: 46.050 ug/l

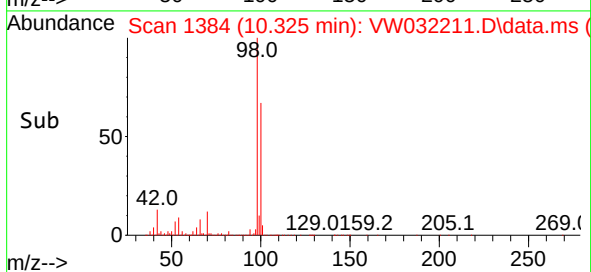
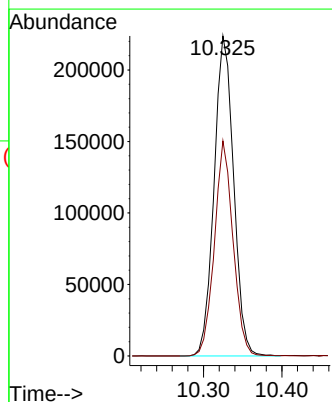
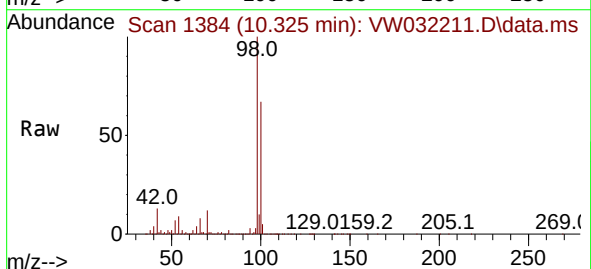
RT: 10.325 min Scan# 1384

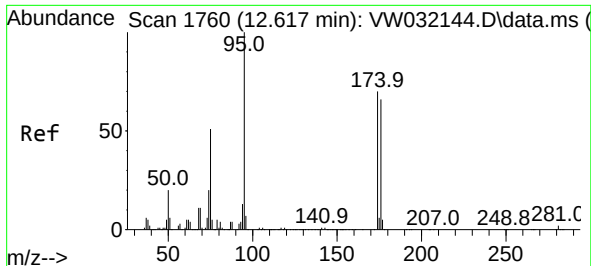
Delta R.T. -0.000 min

Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

Tgt Ion:	98	Resp:	388210
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2

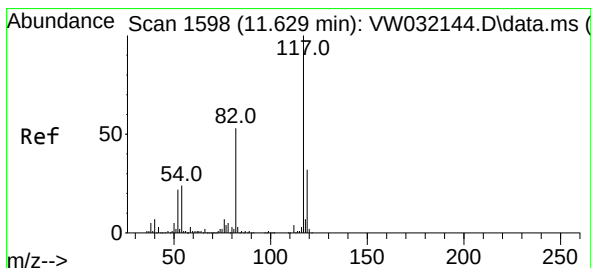
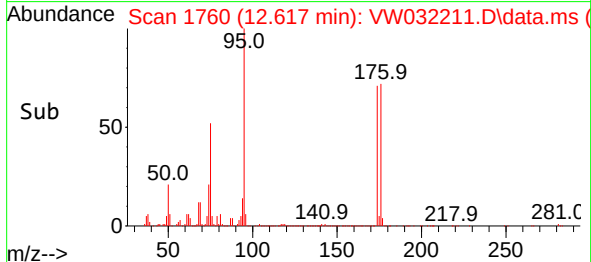
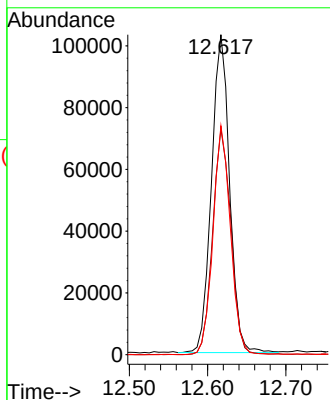
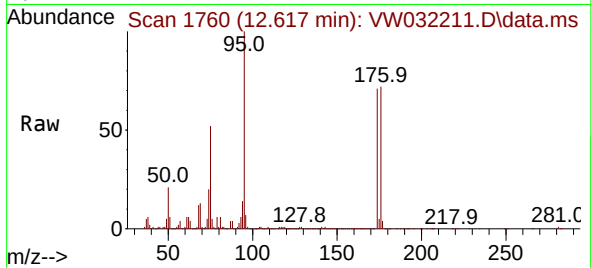




#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

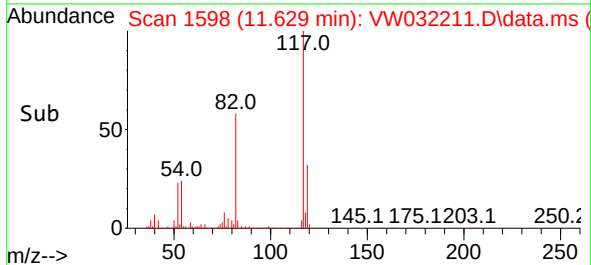
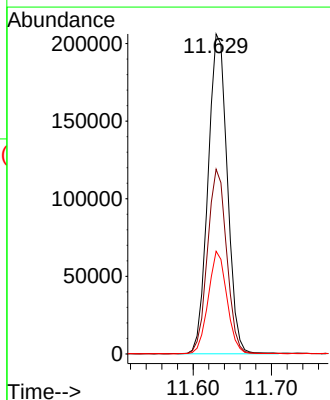
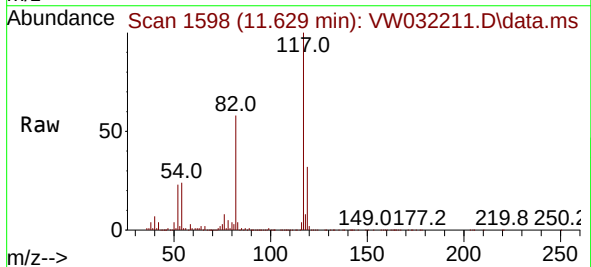
Instrument :
MSVOA_W
ClientSampleId :

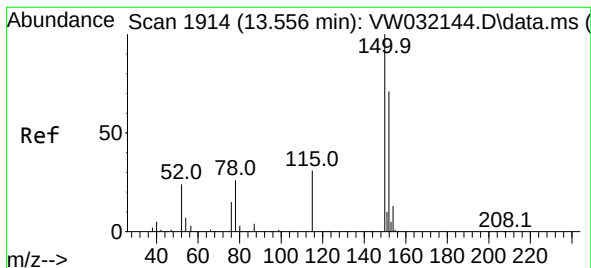
Tgt Ion: 95 Resp: 165371
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.6
176 69.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

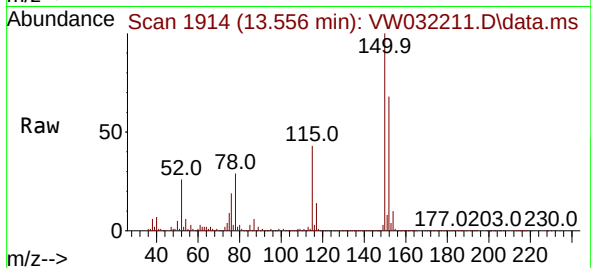
Tgt Ion: 117 Resp: 352189
Ion Ratio Lower Upper
117 100
82 57.7 42.7 64.1
119 32.0 25.2 37.8



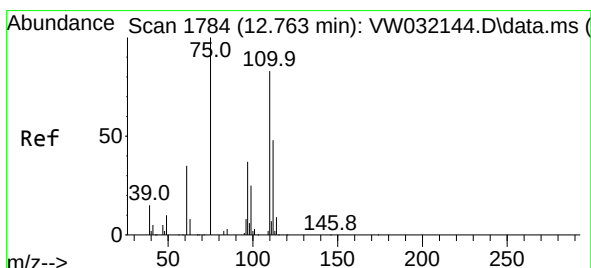
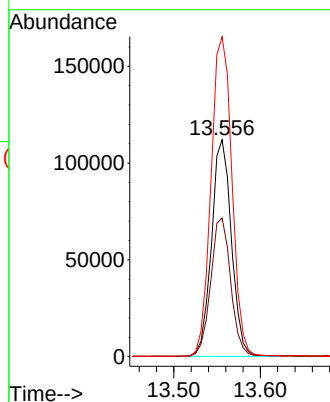
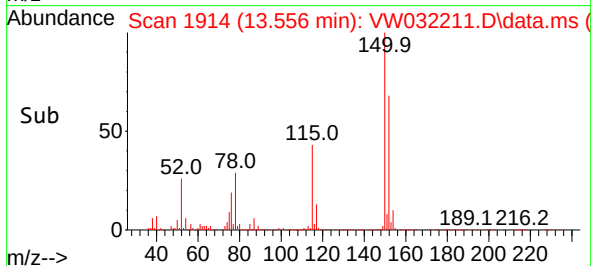


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Instrument :
MSVOA_W
ClientSampleId :

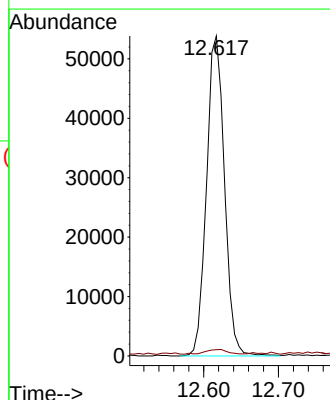
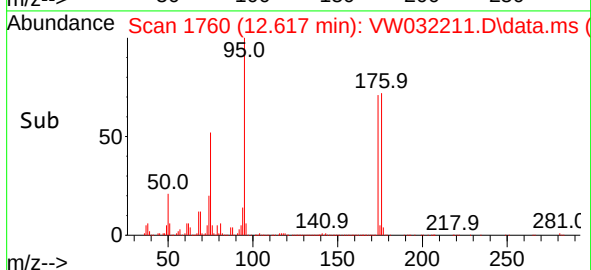
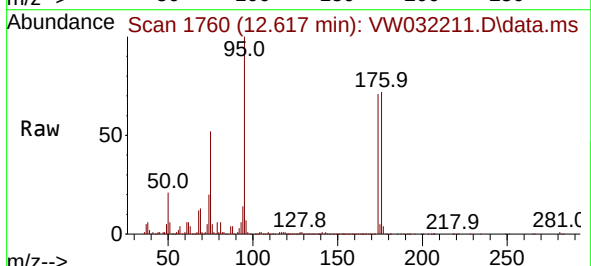


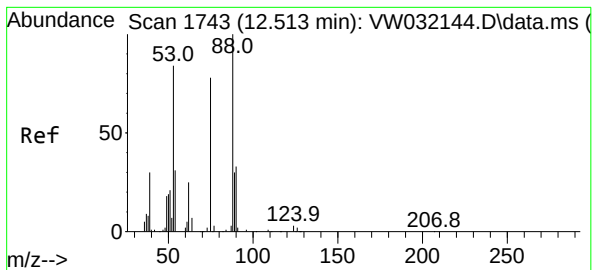
Tgt Ion:152 Resp: 179138
Ion Ratio Lower Upper
152 100
115 64.1 31.8 95.4
150 154.7 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 40.046 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

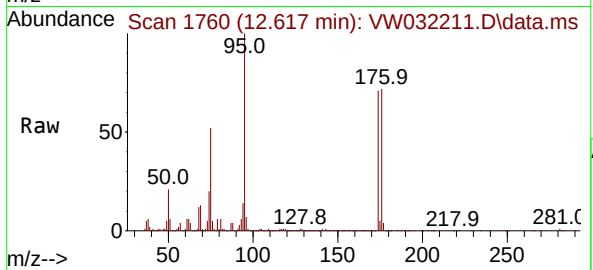
Tgt Ion: 75 Resp: 89874
Ion Ratio Lower Upper
75 100
77 1.8 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.824 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032211.D
 Acq: 19 Sep 2025 13:36

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	89874
Ion	Ratio	Lower	Upper
75	100		
53	0.0	91.0	136.6#
89	0.1	39.4	59.2#

