

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032213.D
 Acq On : 19 Sep 2025 14:21
 Operator : SY/MD
 Sample : Q3155-01
 Misc : 4.93g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:10:02 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)

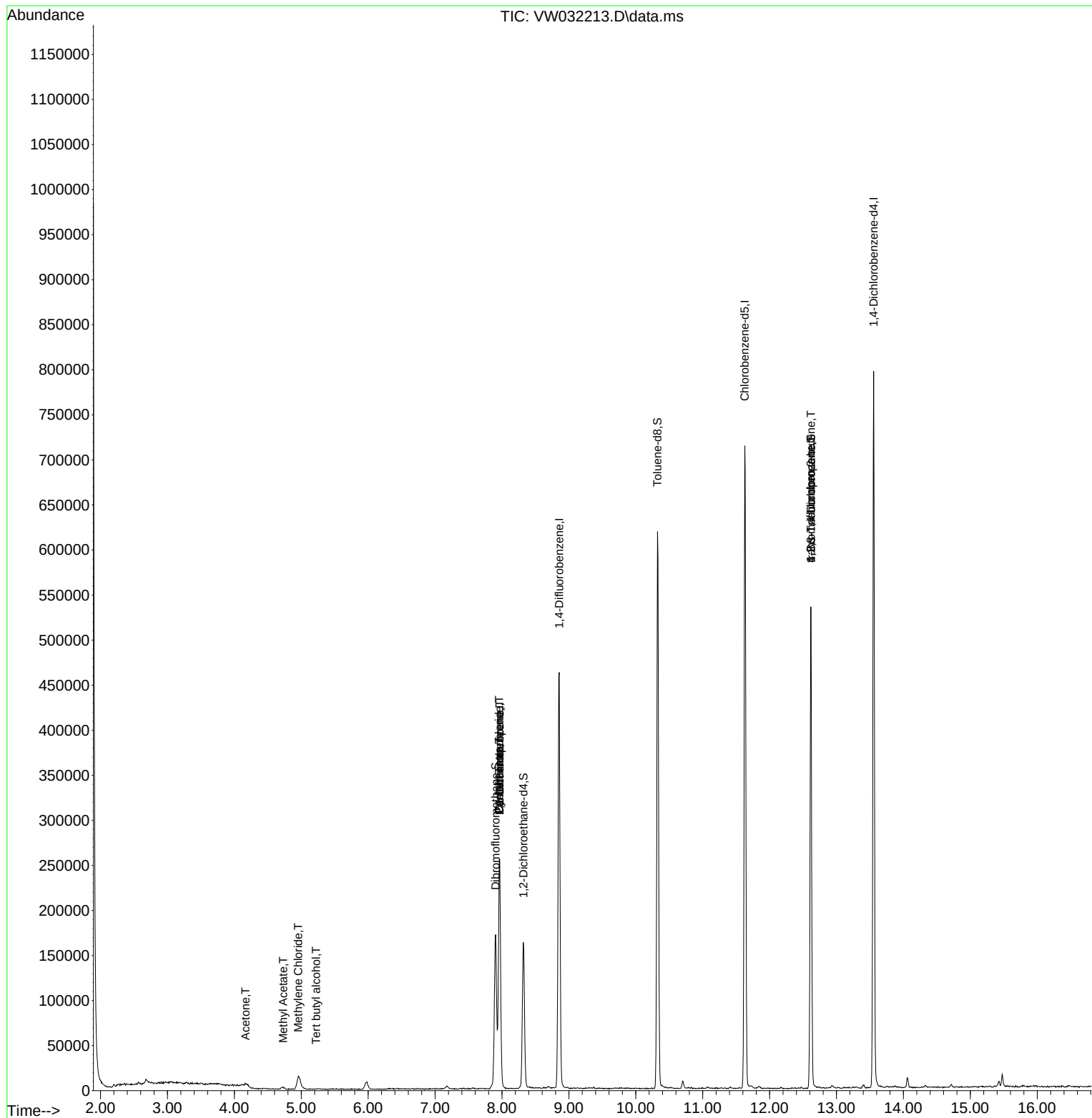
Internal Standards						
1) Pentafluorobenzene	7.965	168	176619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	381216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	368580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133149	52.714	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 105.420%		
35) Dibromofluoromethane	7.904	113	120633	45.103	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 90.200%		
50) Toluene-d8	10.325	98	397560	42.343	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 84.680%		
62) 4-Bromofluorobenzene	12.617	95	166508	47.958	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 95.920%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	259	1.676	ug/l #	90
16) Acetone	4.167	43	2905	5.310	ug/l	98
18) Methyl Acetate	4.728	43	4245	2.436	ug/l #	89
20) Methylene Chloride	4.954	84	13361	2.376	ug/l	97
31) Cyclohexane	7.959	56	4795	1.546	ug/l #	37
36) 1,1-Dichloropropene	7.965	75	15864	4.575	ug/l #	51
38) Carbon Tetrachloride	7.959	117	19646	5.285	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	94399	39.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	94399	106.280	ug/l #	5

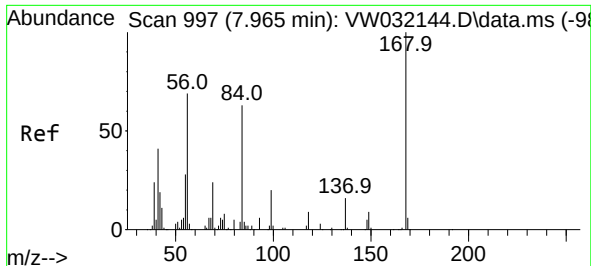
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
Data File : VW032213.D
Acq On : 19 Sep 2025 14:21
Operator : SY/MD
Sample : Q3155-01
Misc : 4.93g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 19 23:10:02 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

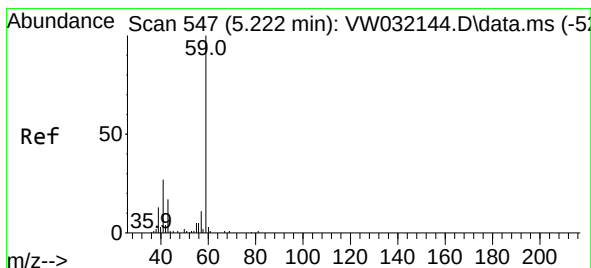
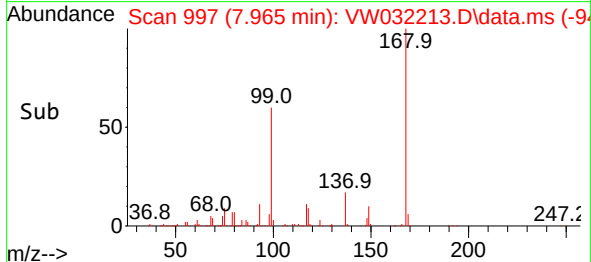
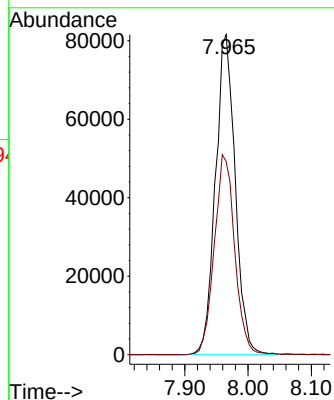
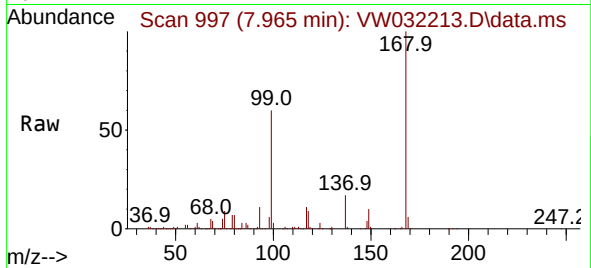




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

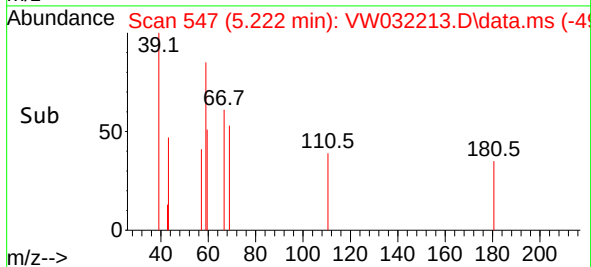
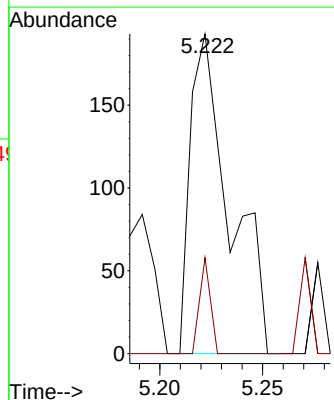
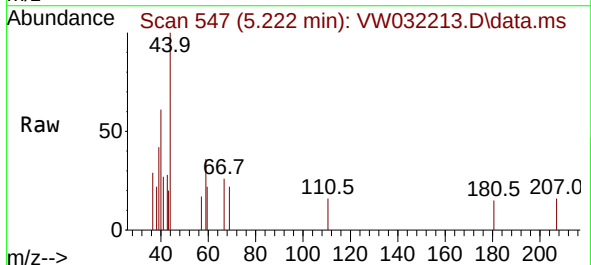
Instrument :
MSVOA_W
ClientSampleId :

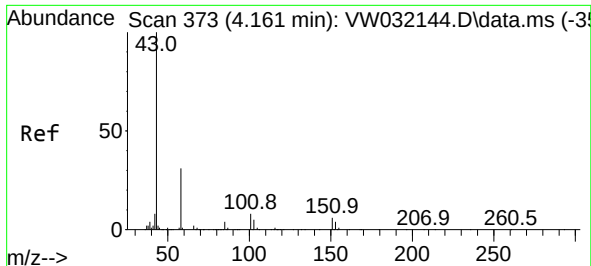
Tgt Ion:168 Resp: 176619
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.676 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 8.1 9.8 14.6#

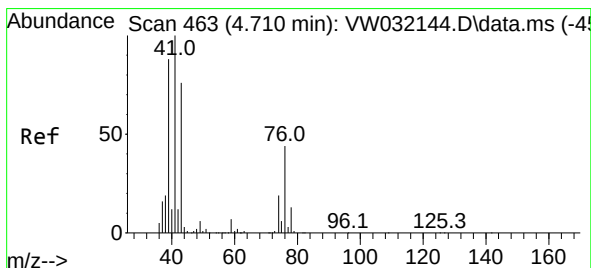
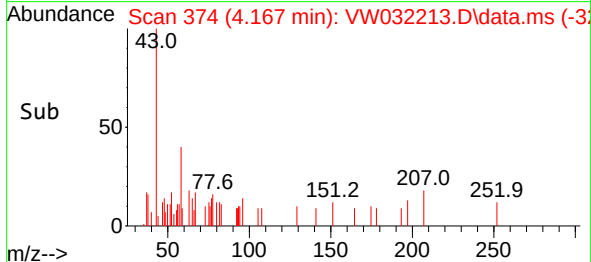
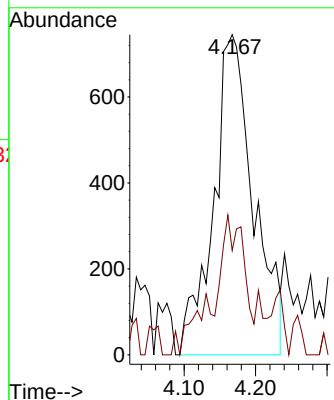
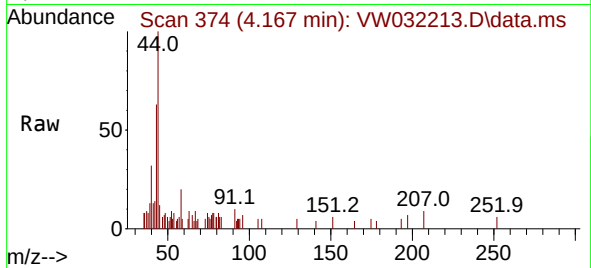




#16
Acetone
Concen: 5.310 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

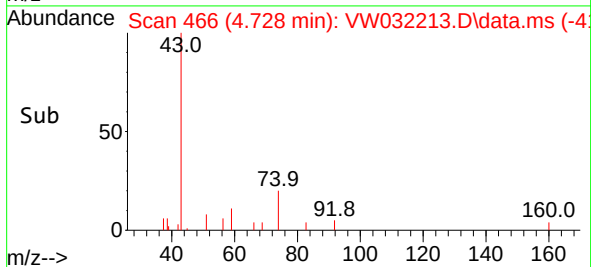
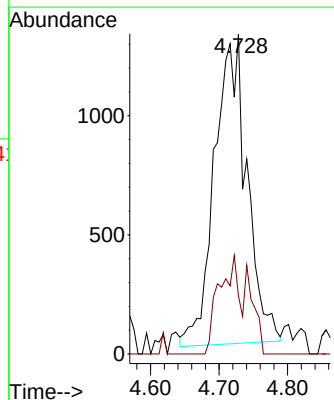
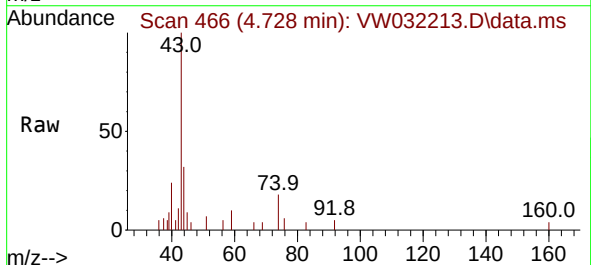
Instrument :
MSVOA_W
ClientSampleId :

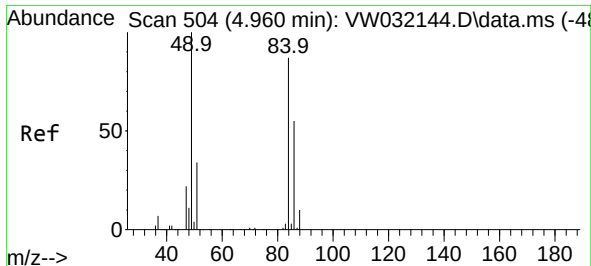
Tgt Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
58 32.6 25.3 37.9



#18
Methyl Acetate
Concen: 2.436 ug/l
RT: 4.728 min Scan# 466
Delta R.T. 0.018 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

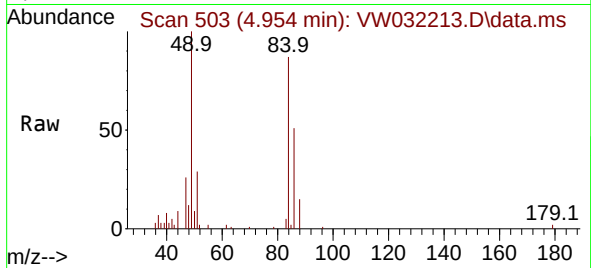
Tgt Ion: 43 Resp: 4245
Ion Ratio Lower Upper
43 100
74 19.7 20.2 30.4#



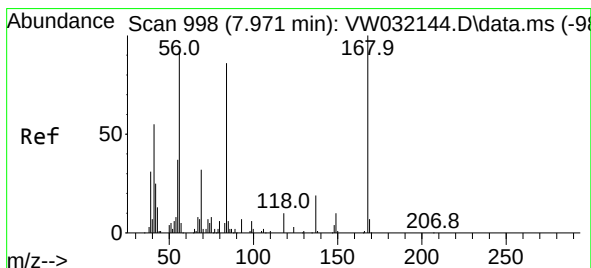
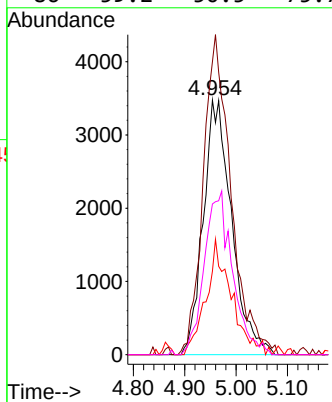
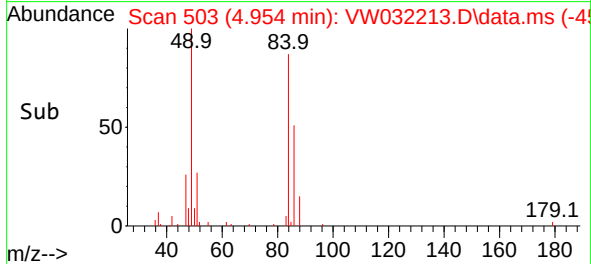


#20
Methylene Chloride
Concen: 2.376 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Instrument :
MSVOA_W
ClientSampleId :

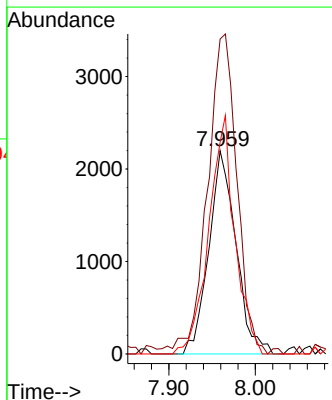
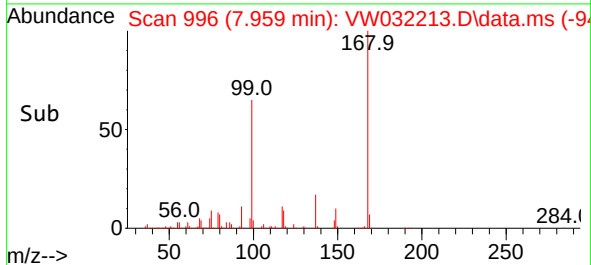
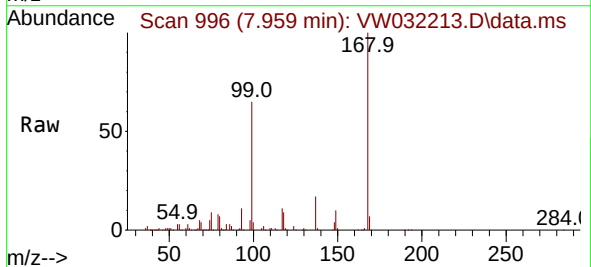


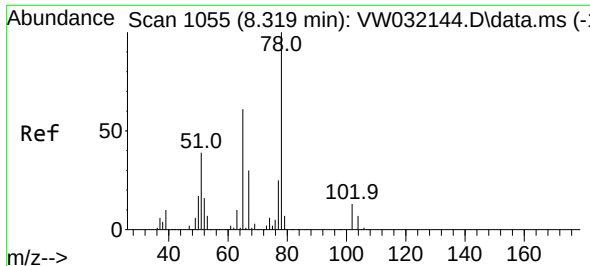
Tgt Ion:	84	Resp:	13361
Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.2	138.4
51	32.8	31.0	46.6
86	59.2	50.5	75.7



#31
Cyclohexane
Concen: 1.546 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion:	56	Resp:	4795
Ion	Ratio	Lower	Upper
56	100		
69	152.3	27.7	41.5#
84	104.2	74.6	112.0

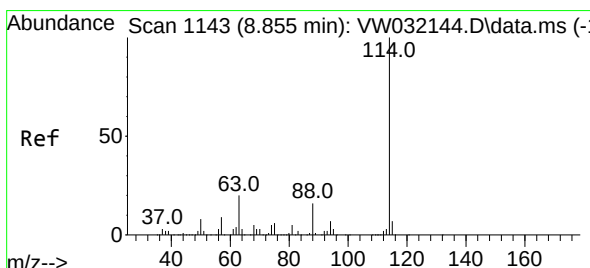
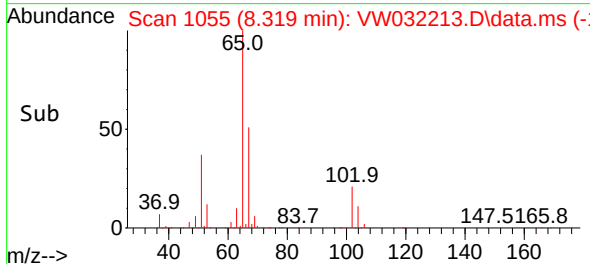
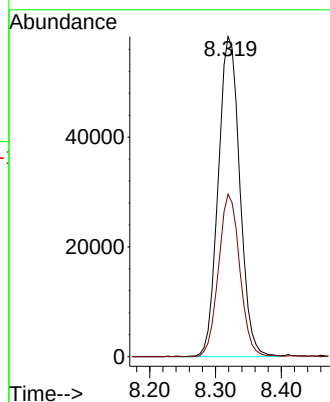
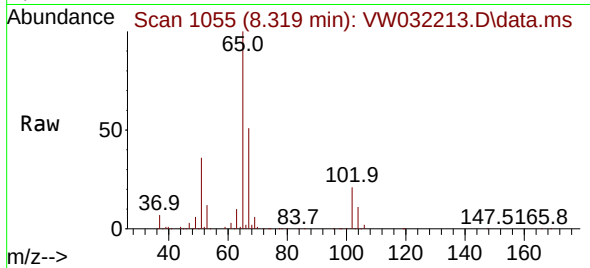




#33
 1,2-Dichloroethane-d4
 Concen: 52.714 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032213.D
 Acq: 19 Sep 2025 14:21

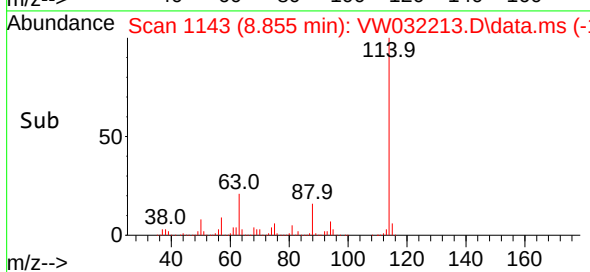
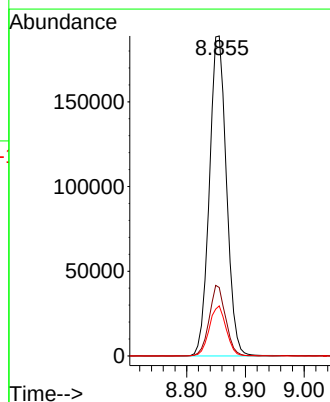
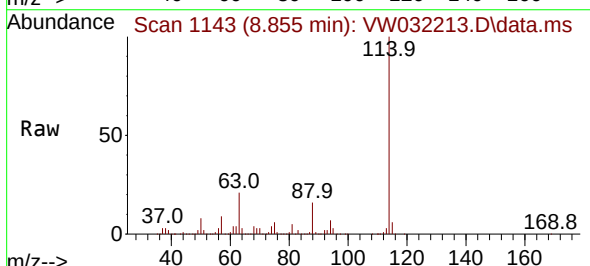
Instrument :
 MSVOA_W
 ClientSampleId :

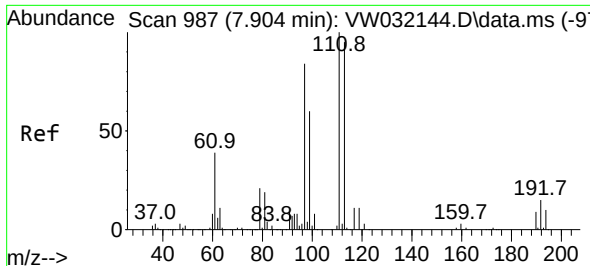
Tgt Ion: 65 Resp: 133149
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032213.D
 Acq: 19 Sep 2025 14:21

Tgt Ion: 114 Resp: 381216
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.4
 88 15.7 0.0 32.0

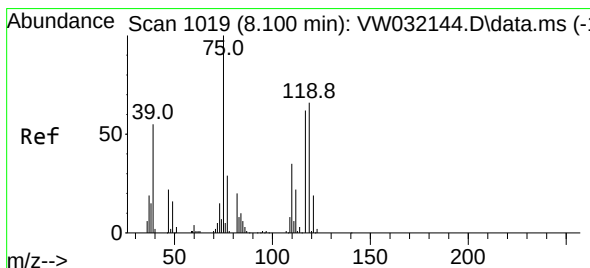
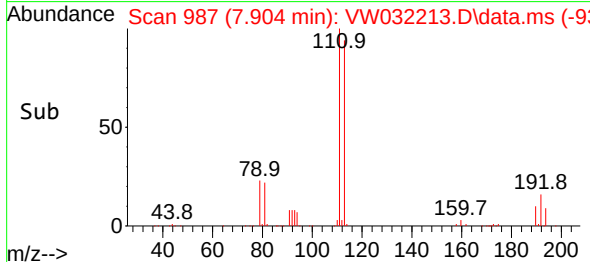
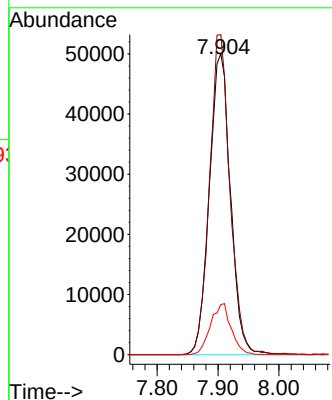
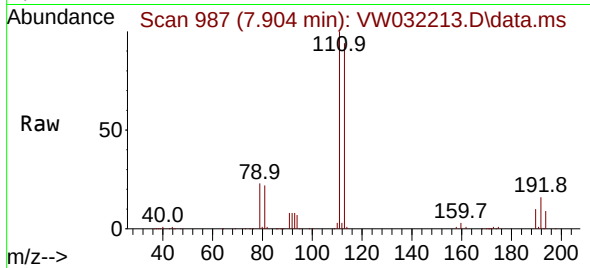




#35
Dibromofluoromethane
Concen: 45.103 ug/l
RT: 7.904 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

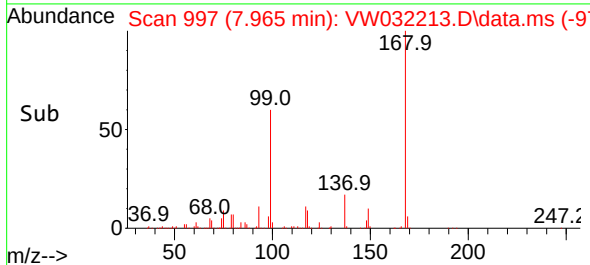
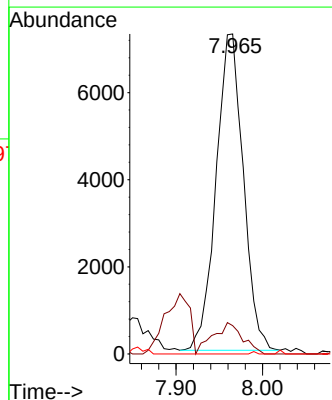
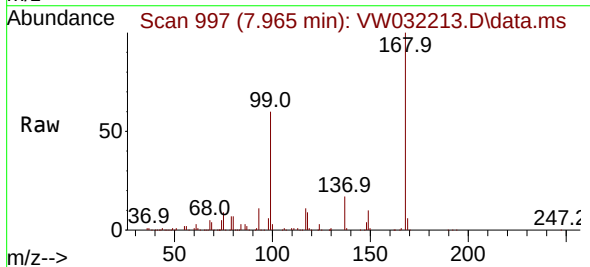
Instrument :
MSVOA_W
ClientSampleId :

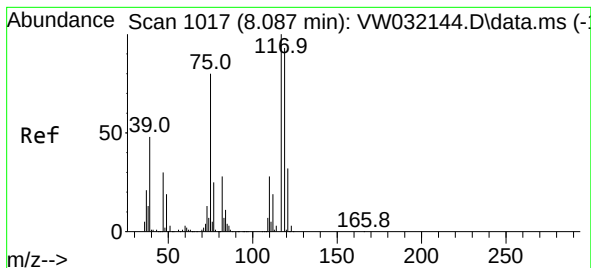
Tgt Ion:113 Resp: 120633
Ion Ratio Lower Upper
113 100
111 103.1 83.9 125.9
192 16.6 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion: 75 Resp: 15864
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.285 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

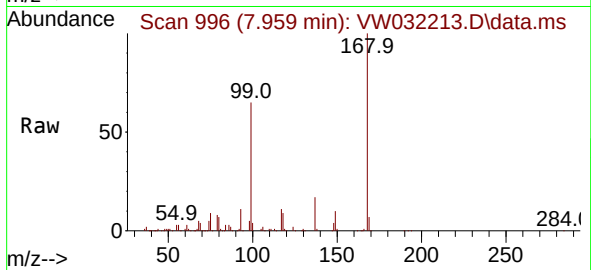
Lab File: VW032213.D

Acq: 19 Sep 2025 14:21

Instrument :

MSVOA_W

ClientSampleId :



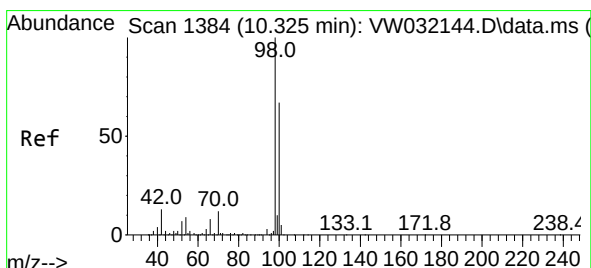
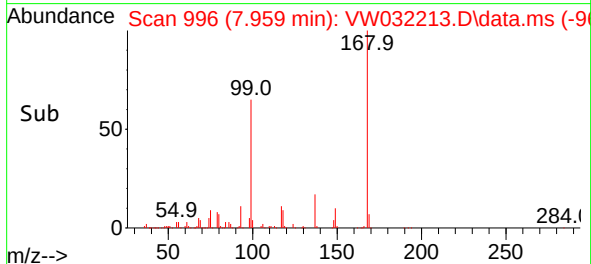
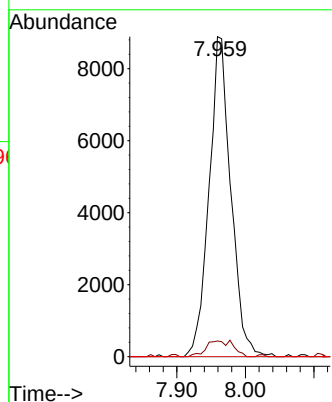
Tgt Ion:117 Resp: 19646

Ion Ratio Lower Upper

117 100

119 4.9 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 42.343 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032213.D

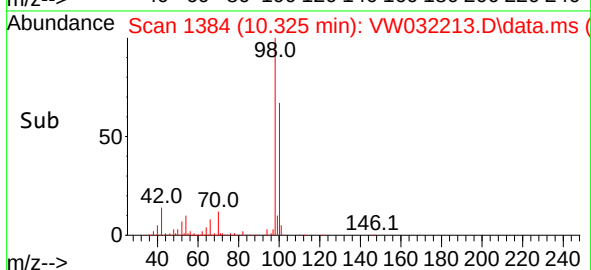
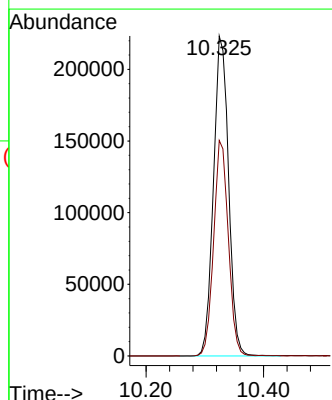
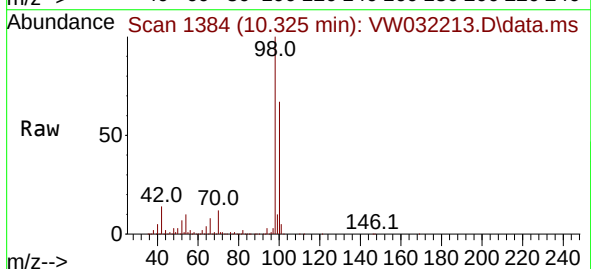
Acq: 19 Sep 2025 14:21

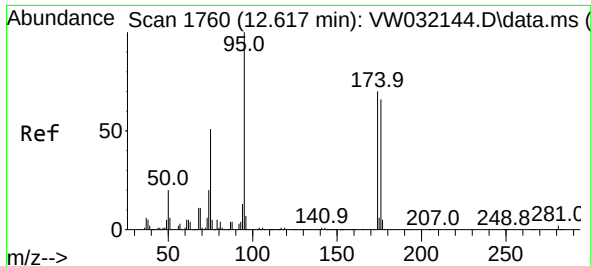
Tgt Ion: 98 Resp: 397560

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.2

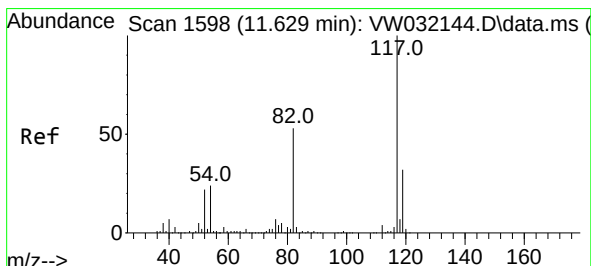
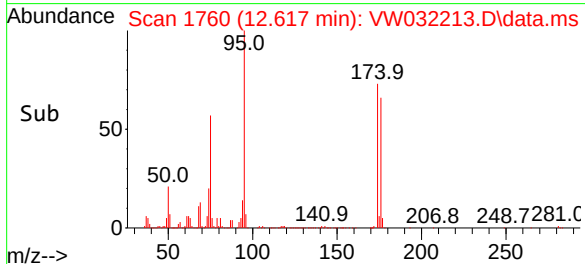
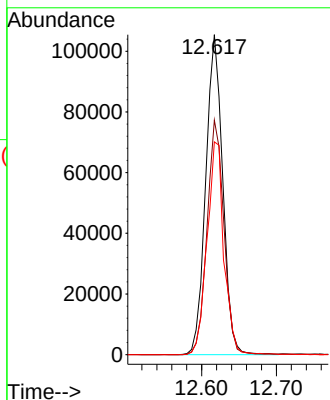
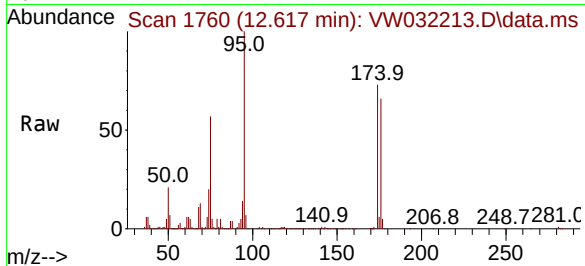




#62
4-Bromofluorobenzene
Concen: 47.958 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

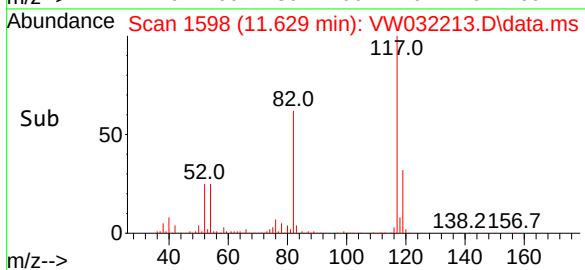
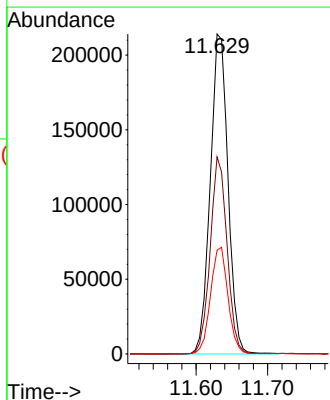
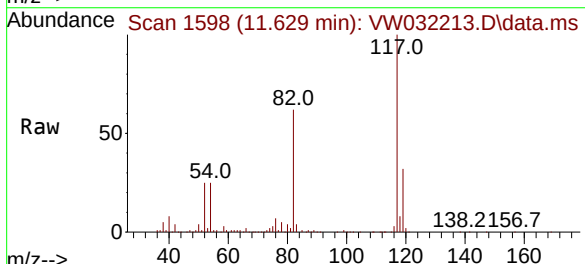
Instrument :
MSVOA_W
ClientSampleId :

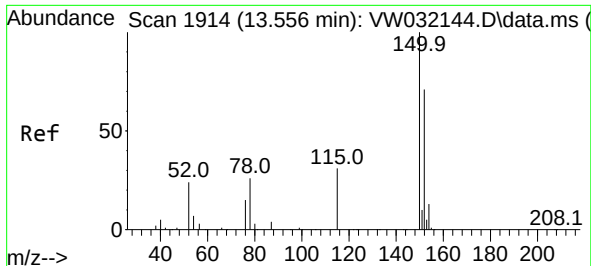
Tgt Ion: 95 Resp: 166508
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.6
176 66.5 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

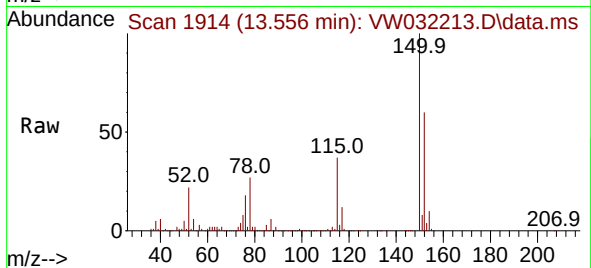
Tgt Ion:117 Resp: 368580
Ion Ratio Lower Upper
117 100
82 61.6 42.7 64.1
119 32.4 25.2 37.8



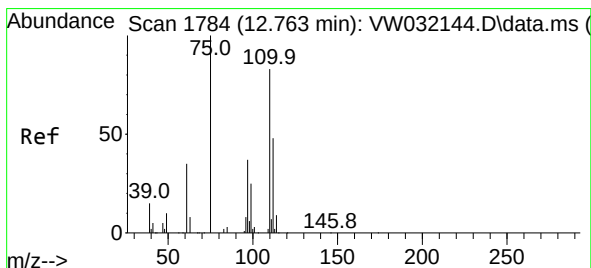
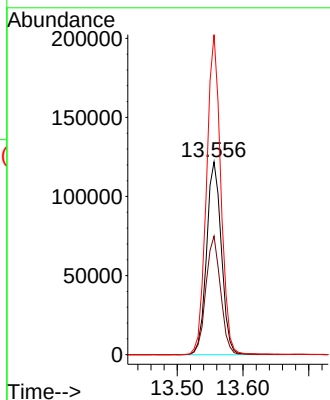
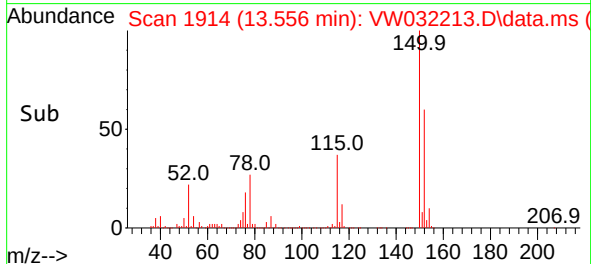


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Instrument :
MSVOA_W
ClientSampleId :

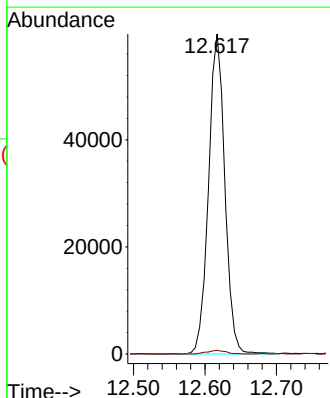
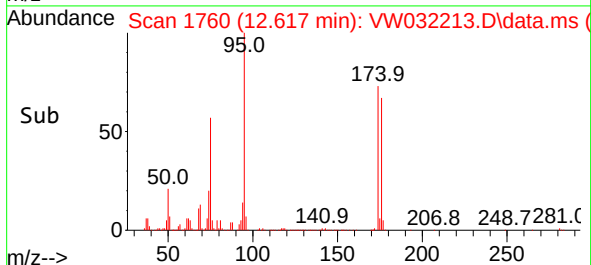
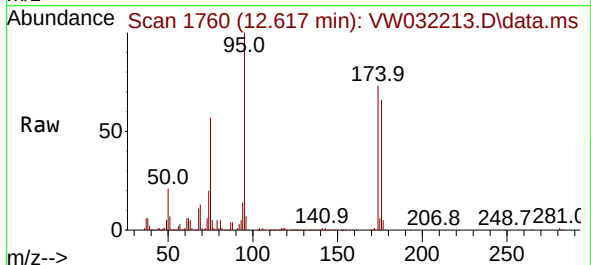


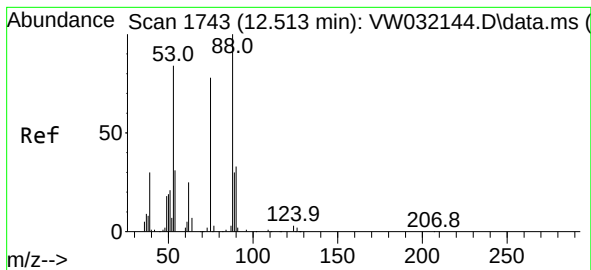
Tgt Ion:152 Resp: 190890
Ion Ratio Lower Upper
152 100
115 61.4 31.8 95.4
150 160.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 39.473 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

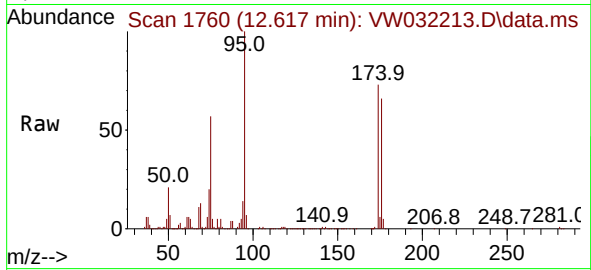
Tgt Ion: 75 Resp: 94399
Ion Ratio Lower Upper
75 100
77 1.3 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.280 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032213.D
 Acq: 19 Sep 2025 14:21

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	91.0	136.6#
89	0.1	39.4	59.2#

