

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031828.D
 Acq On : 11 Jul 2025 18:22
 Operator : SY/MD
 Sample : Q2564-05
 Misc : 3.35g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

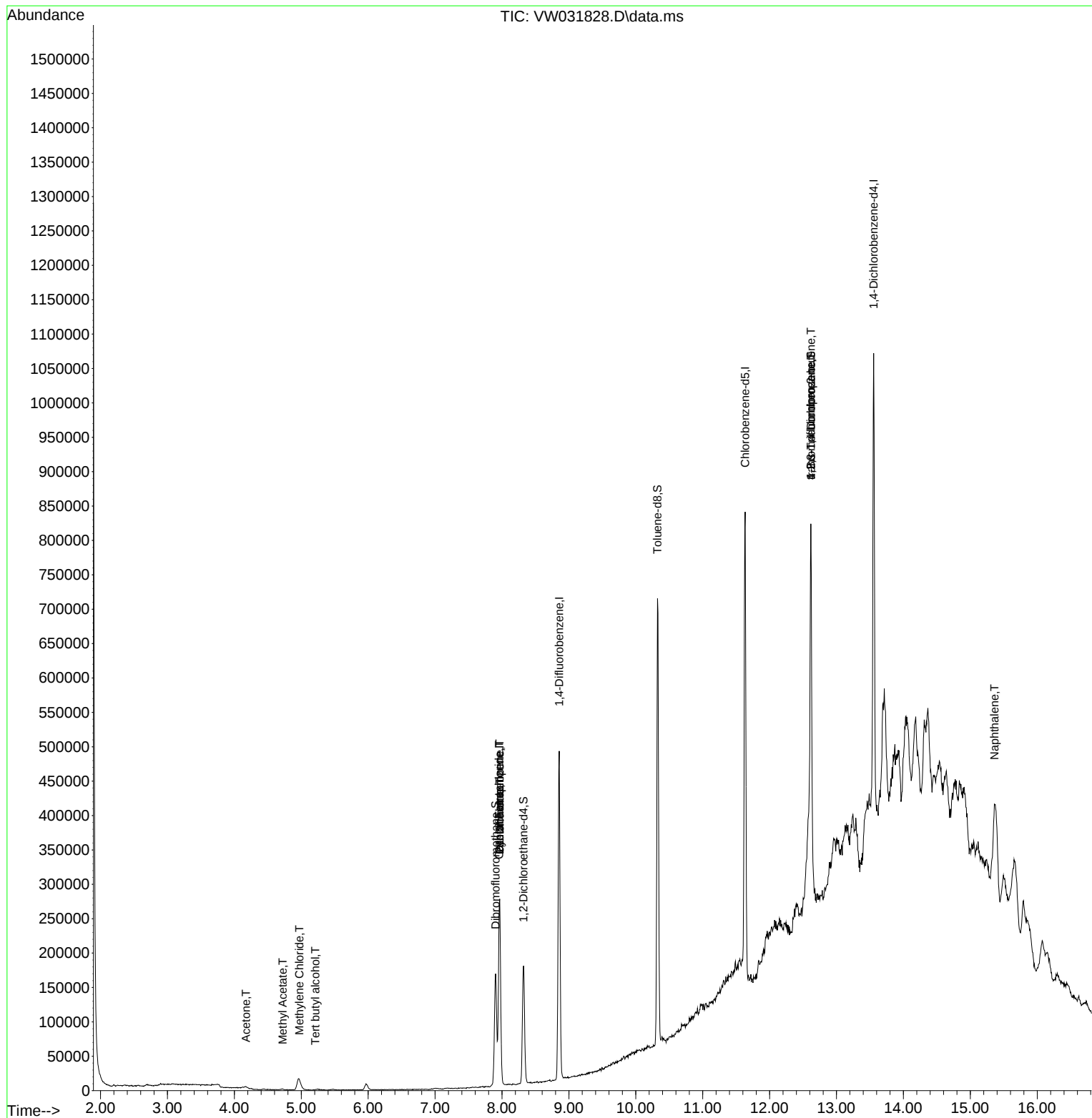
Internal Standards						
1) Pentafluorobenzene	7.965	168	182286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	394986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	365401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147550	56.403	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 112.800%			
35) Dibromofluoromethane	7.904	113	119490	46.360	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.720%			
50) Toluene-d8	10.325	98	430748	44.908	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 89.820%			
62) 4-Bromofluorobenzene	12.617	95	198135	56.132	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 112.260%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	187	1.154	ug/l #	69
16) Acetone	4.173	43	2597	4.016	ug/l	95
18) Methyl Acetate	4.722	43	2723	1.474	ug/l	91
20) Methylene Chloride	4.972	84	15540	1.798	ug/l	90
31) Cyclohexane	7.965	56	5228	1.404	ug/l #	20
36) 1,1-Dichloropropene	7.965	75	18042	4.837	ug/l #	53
38) Carbon Tetrachloride	7.959	117	22175	5.834	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	84148	39.857	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	84148	92.834	ug/l #	8
95) Naphthalene	15.360	128	24679	3.213	ug/l #	53

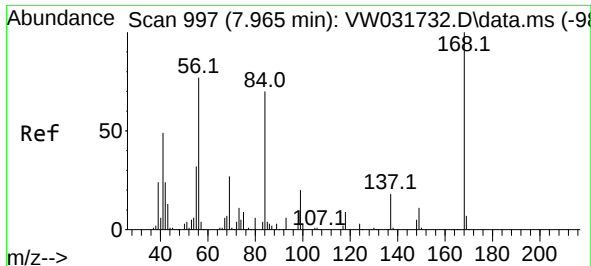
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031828.D
Acq On : 11 Jul 2025 18:22
Operator : SY/MD
Sample : Q2564-05
Misc : 3.35g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 11 22:52:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

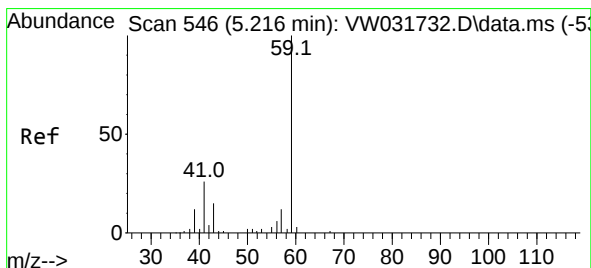
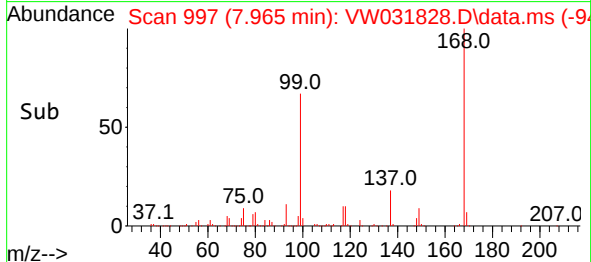
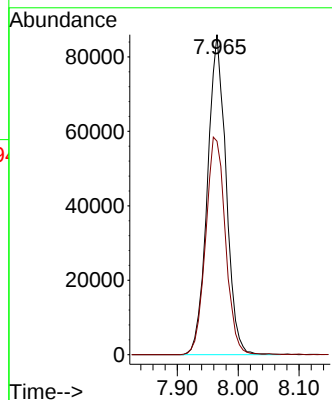
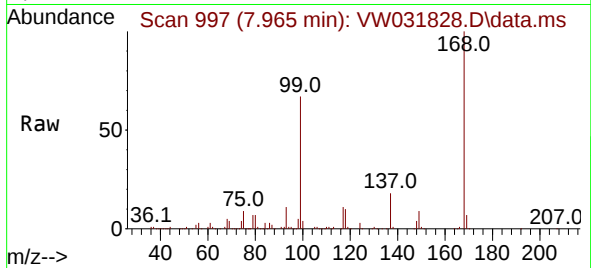




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

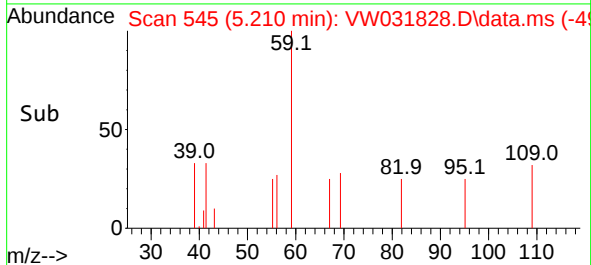
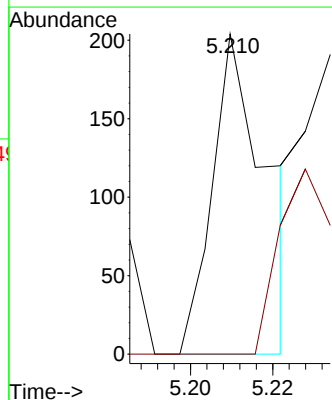
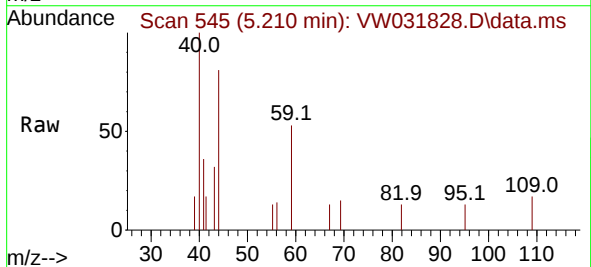
Instrument :
MSVOA_W
ClientSampleId :

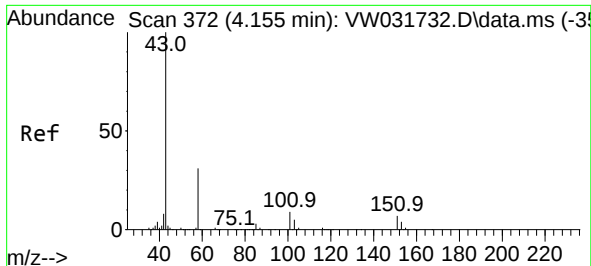
Tgt Ion:168 Resp: 182286
Ion Ratio Lower Upper
168 100
99 66.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.154 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

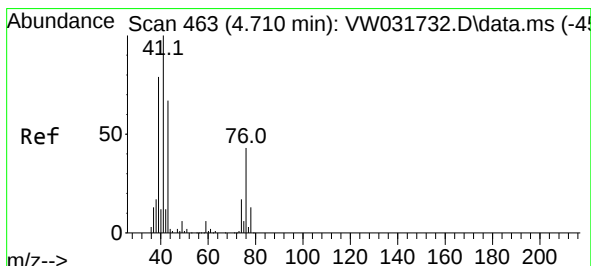
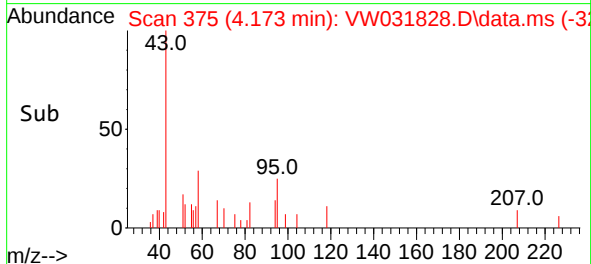
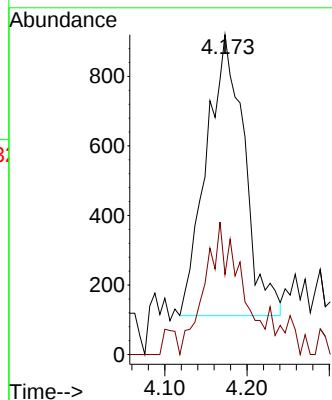
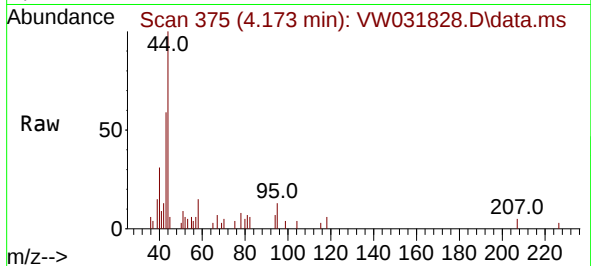




#16
Acetone
Concen: 4.016 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

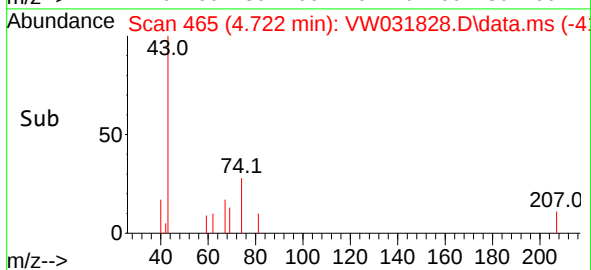
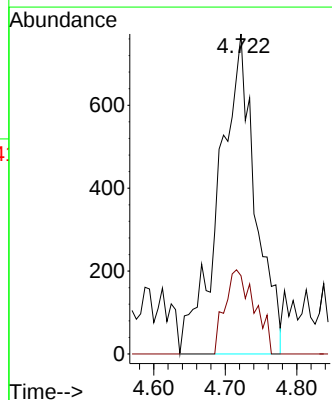
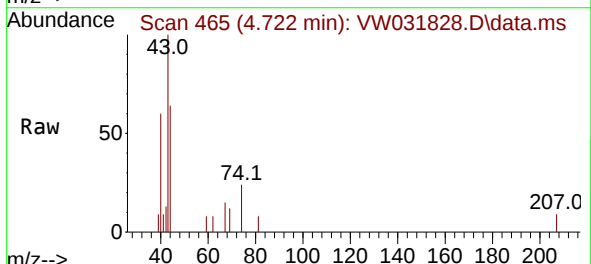
Instrument :
MSVOA_W
ClientSampleId :

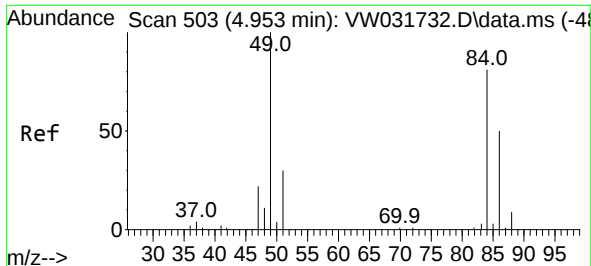
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
58 28.5 24.8 37.2



#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

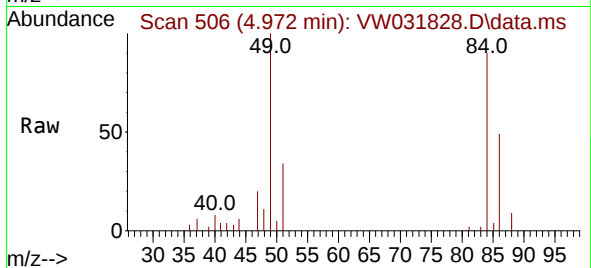
Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
74 21.4 20.6 30.8



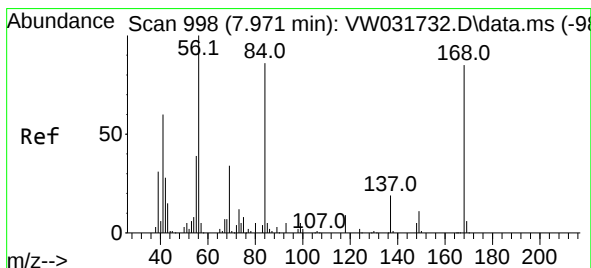
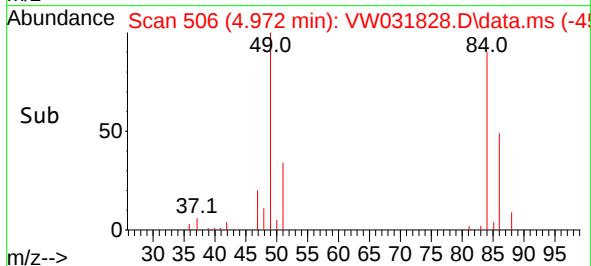
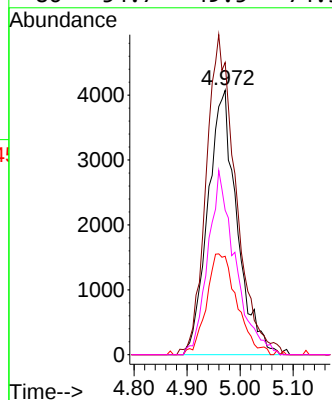


#20
Methylene Chloride
Concen: 1.798 ug/l
RT: 4.972 min Scan# 503
Delta R.T. 0.018 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Instrument :
MSVOA_W
ClientSampleId :

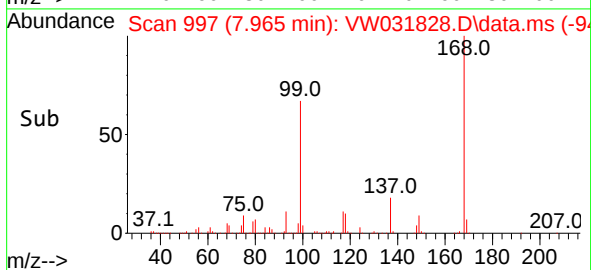
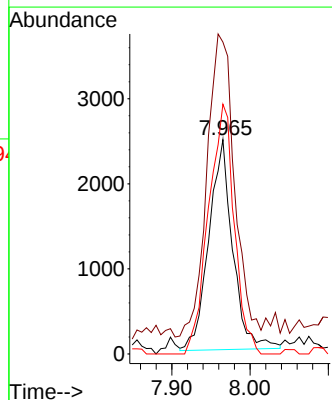
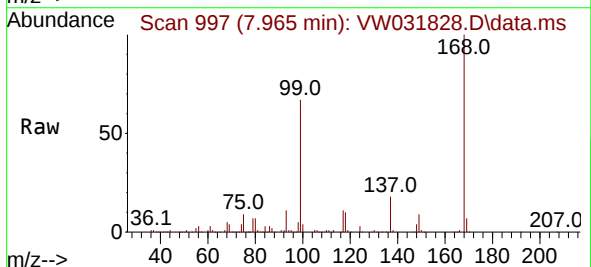


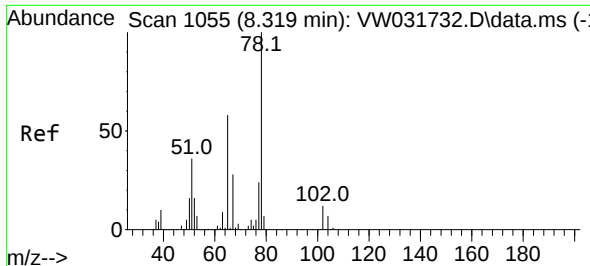
Tgt Ion:	84	Resp:	15540
Ion	Ratio	Lower	Upper
84	100		
49	108.5	98.2	147.4
51	37.2	29.8	44.8
86	54.7	49.5	74.3



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion:	56	Resp:	5228
Ion	Ratio	Lower	Upper
56	100		
69	140.8	27.2	40.8#
84	119.6	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 56.403 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031828.D

Acq: 11 Jul 2025 18:22

Instrument :

MSVOA_W

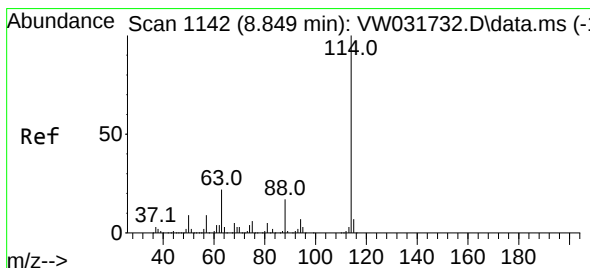
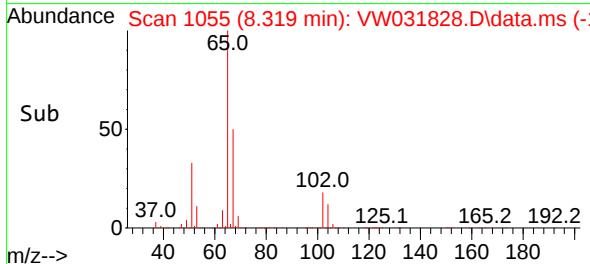
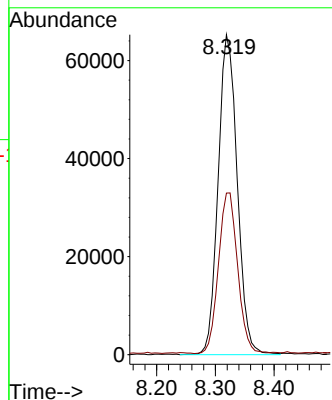
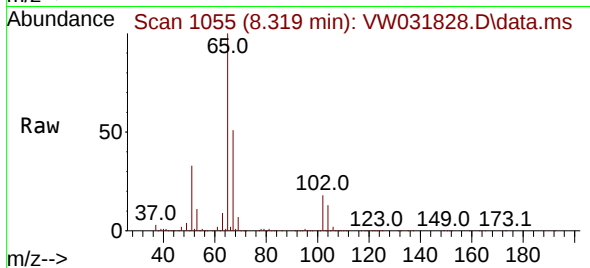
ClientSampleId :

Tgt Ion: 65 Resp: 147550

Ion Ratio Lower Upper

65 100

67 50.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031828.D

Acq: 11 Jul 2025 18:22

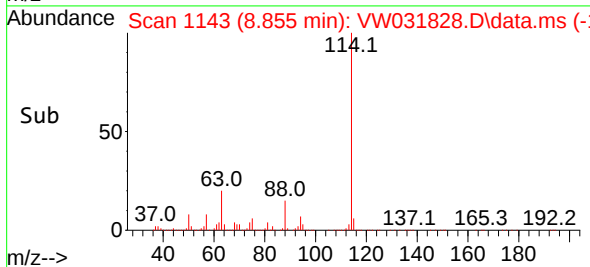
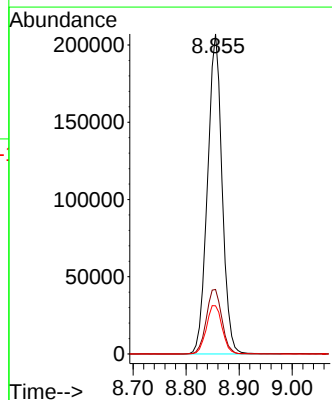
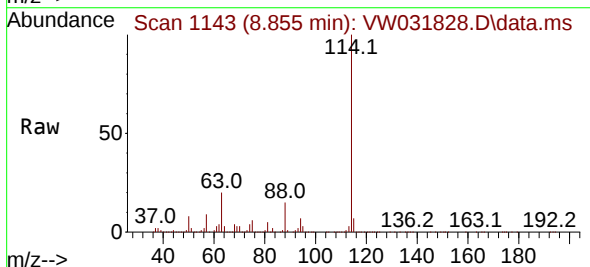
Tgt Ion: 114 Resp: 394986

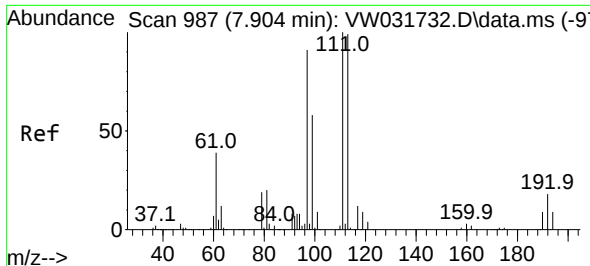
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.6

88 15.1 0.0 34.2

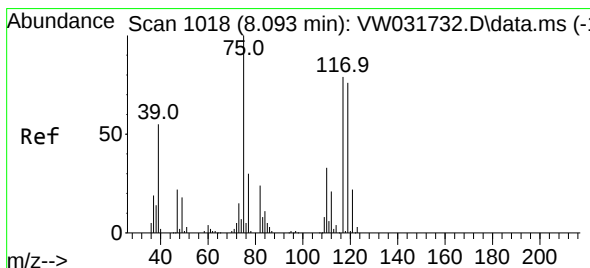
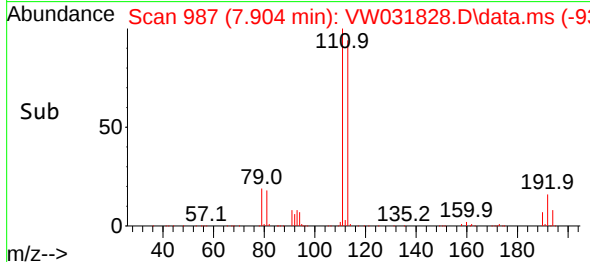
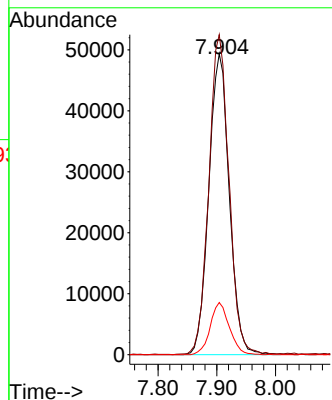
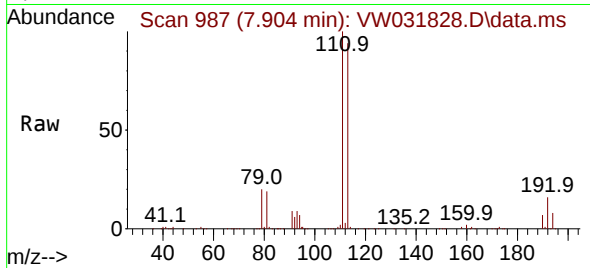




#35
 Dibromofluoromethane
 Concen: 46.360 ug/l
 RT: 7.904 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: VW031828.D
 Acq: 11 Jul 2025 18:22

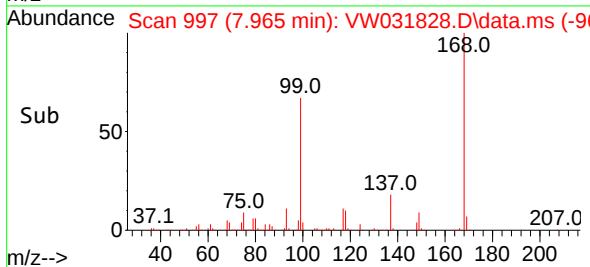
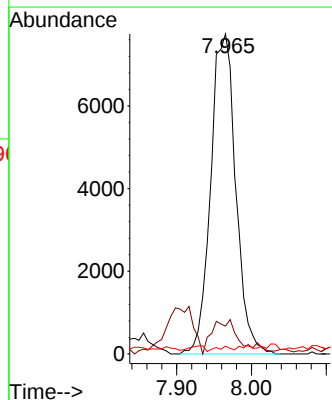
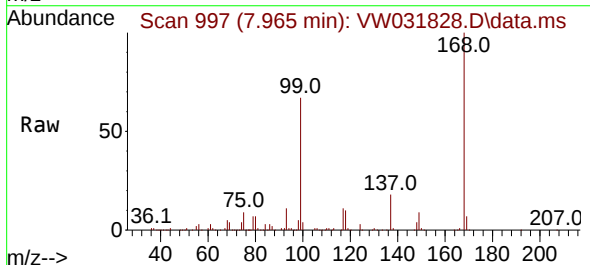
Instrument :
 MSVOA_W
 ClientSampleId :

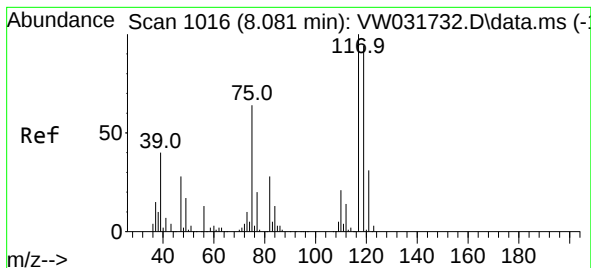
Tgt Ion:113 Resp: 119490
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.1 123.1
 192 16.2 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031828.D
 Acq: 11 Jul 2025 18:22

Tgt Ion: 75 Resp: 18042
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.8 50.4#
 77 0.9 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

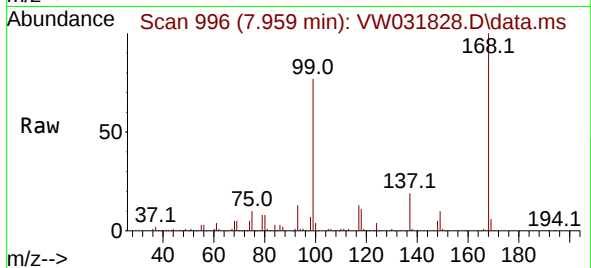
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Acq: 11 Jul 2025 18:22

Instrument :

MSVOA_W

ClientSampleId :



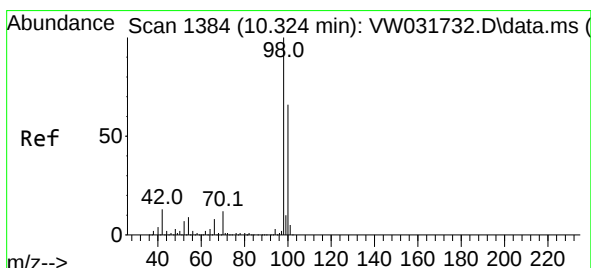
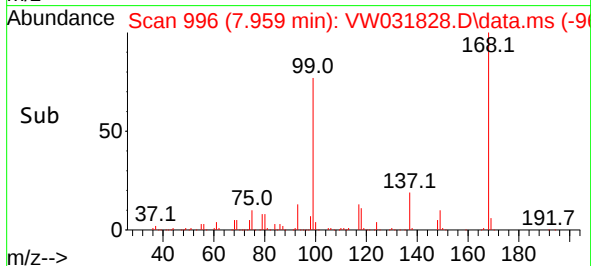
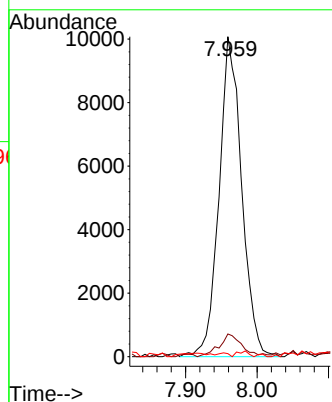
Tgt Ion:117 Resp: 22175

Ion Ratio Lower Upper

117 100

119 6.5 75.0 112.6#

121 1.0 24.6 37.0#



#50

Toluene-d8

Concen: 44.908 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031828.D

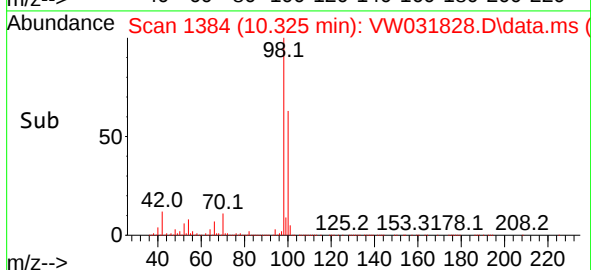
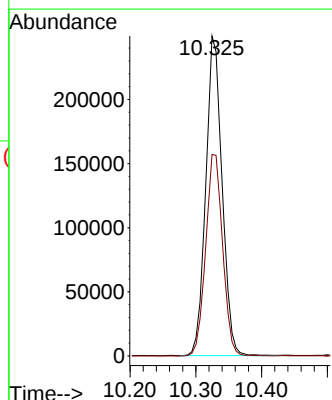
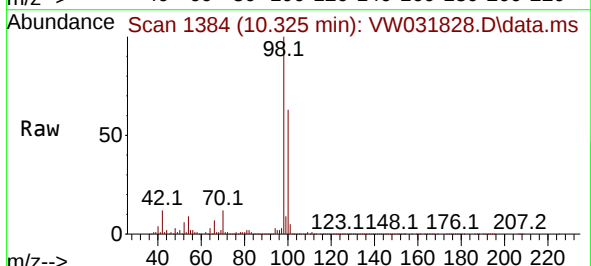
Acq: 11 Jul 2025 18:22

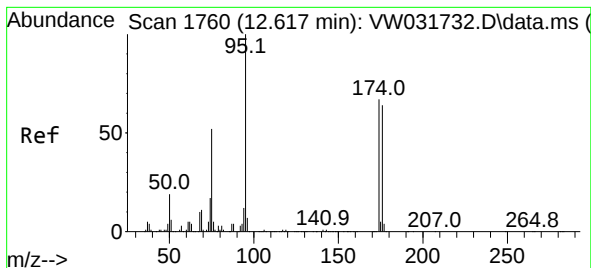
Tgt Ion: 98 Resp: 430748

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4

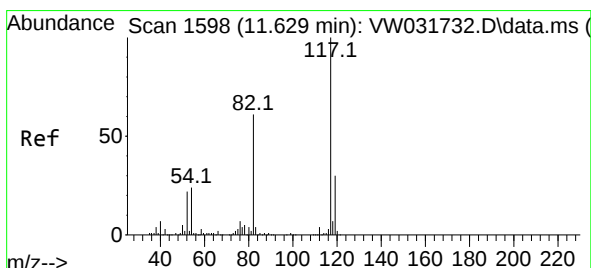
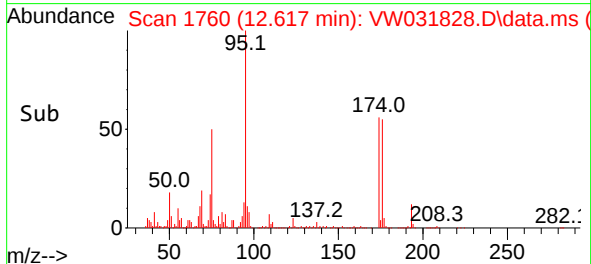
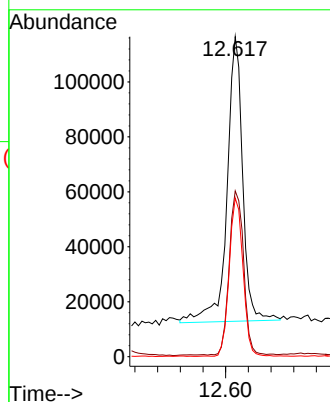
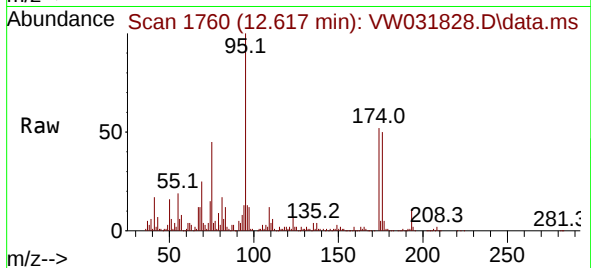




#62
4-Bromofluorobenzene
Concen: 56.132 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

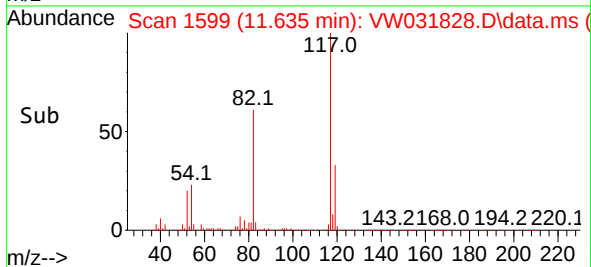
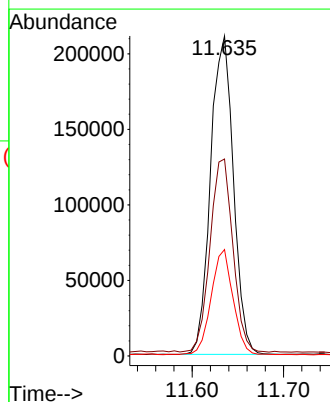
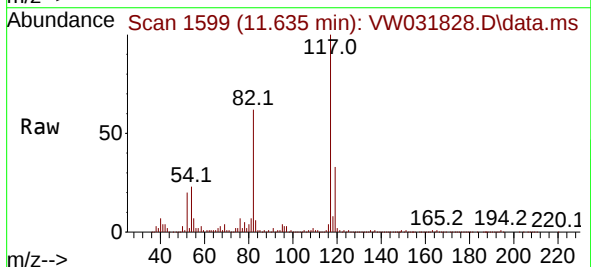
Instrument :
MSVOA_W
ClientSampleId :

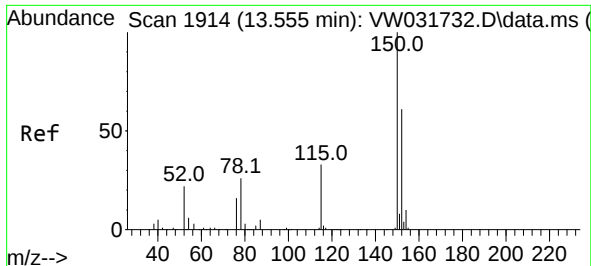
Tgt Ion: 95 Resp: 198135
Ion Ratio Lower Upper
95 100
174 53.1 0.0 133.8
176 49.0 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

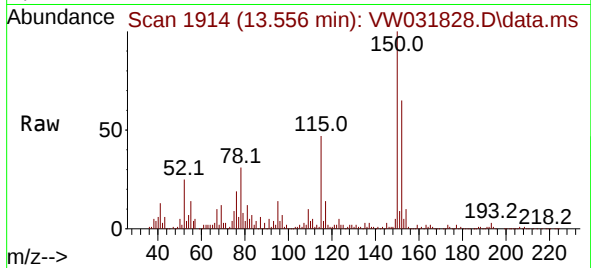
Tgt Ion:117 Resp: 365401
Ion Ratio Lower Upper
117 100
82 60.6 48.6 72.8
119 33.0 23.9 35.9



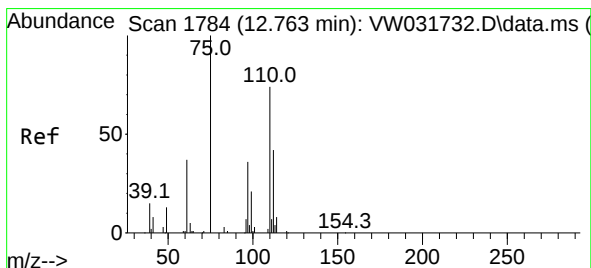
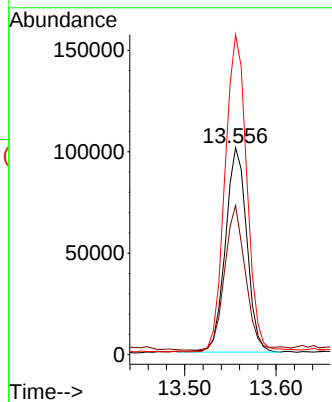
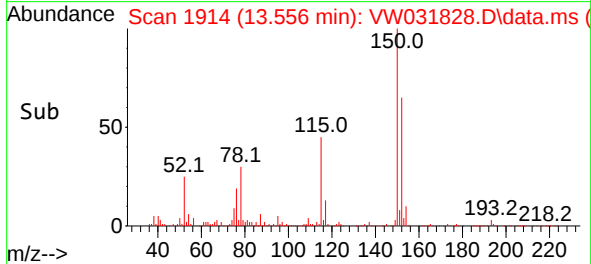


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031828.D
 Acq: 11 Jul 2025 18:22

Instrument :
 MSVOA_W
 ClientSampleId :

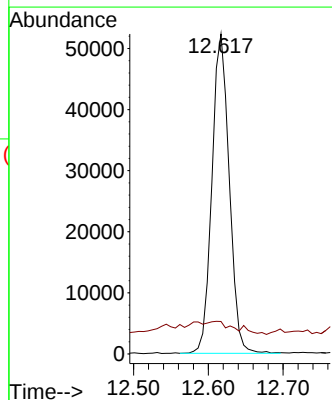
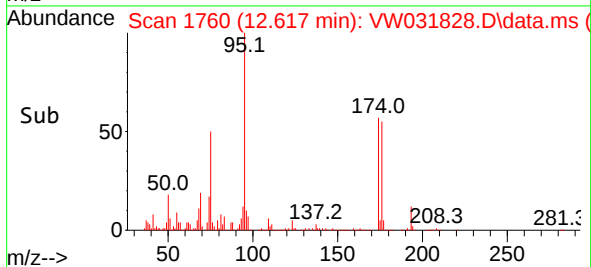
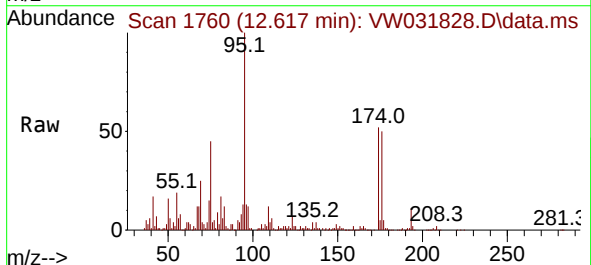


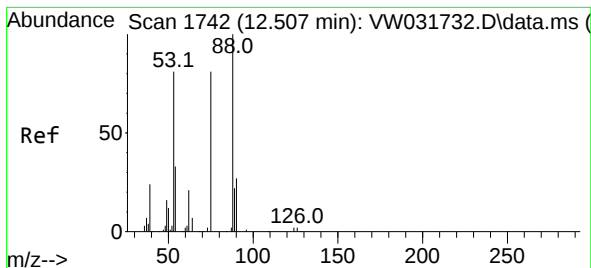
Tgt Ion:152 Resp: 163372
 Ion Ratio Lower Upper
 152 100
 115 68.7 31.9 95.7
 150 159.5 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 39.857 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031828.D
 Acq: 11 Jul 2025 18:22

Tgt Ion: 75 Resp: 84148
 Ion Ratio Lower Upper
 75 100
 77 0.0 141.2 423.6#

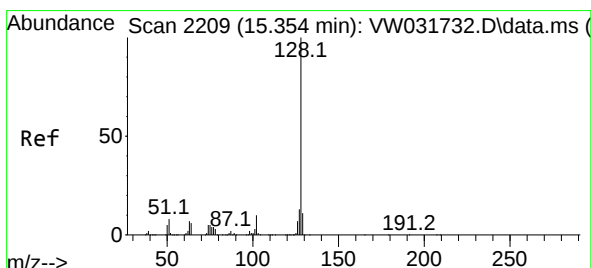
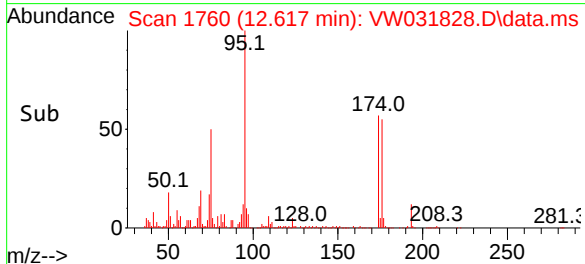
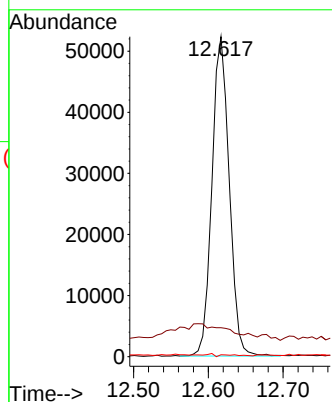
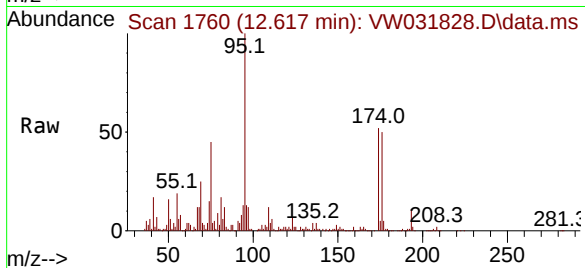




#81
trans-1,4-Dichloro-2-butene
Concen: 92.834 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 84148
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.8 38.3 57.5#



#95
Naphthalene
Concen: 3.213 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion:128 Resp: 24679
Ion Ratio Lower Upper
128 100
127 24.6 10.8 16.2#
129 37.4 8.7 13.1#

