

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032156.D
 Acq On : 28 Aug 2025 14:03
 Operator : SY/MD
 Sample : Q2971-19
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP5

Quant Time: Aug 29 01:19:15 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)

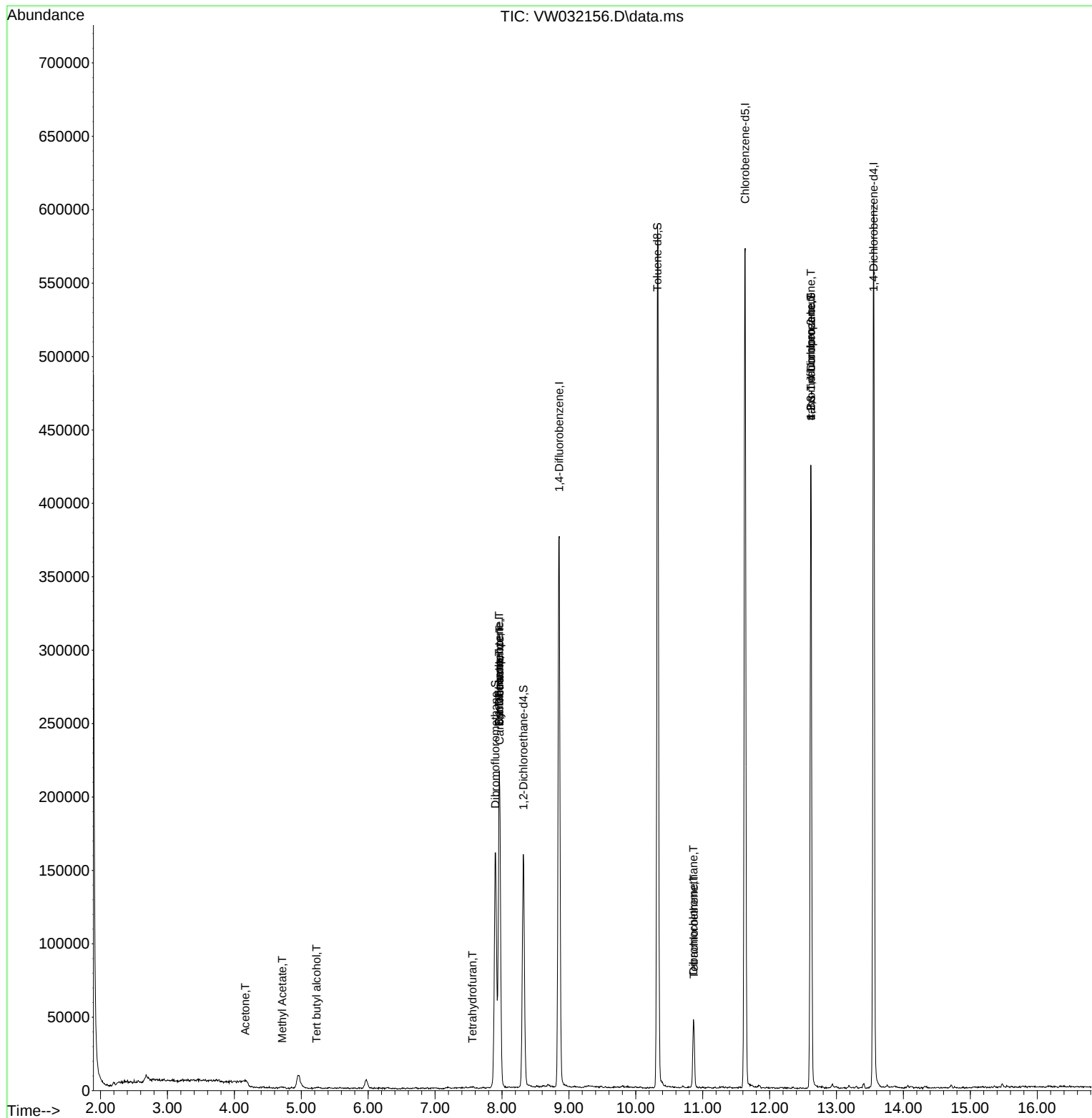
Internal Standards						
1) Pentafluorobenzene	7.959	168	154026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	317107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	313548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	152528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129221	58.663	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.320%			
35) Dibromofluoromethane	7.898	113	113539	51.033	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.060%			
50) Toluene-d8	10.325	98	385157	49.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.617	95	139157	48.184	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.360%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	225	1.670	ug/l #	69
16) Acetone	4.161	43	1911	4.006	ug/l #	61
18) Methyl Acetate	4.716	43	2221	1.461	ug/l #	73
29) Tetrahydrofuran	7.557	42	674	1.569	ug/l #	67
31) Cyclohexane	7.959	56	4414	1.632	ug/l #	41
36) 1,1-Dichloropropene	7.959	75	13593	4.712	ug/l #	50
38) Carbon Tetrachloride	7.965	117	17271	5.585	ug/l #	17
60) Dibromochloromethane	10.861	129	9225	3.889	ug/l #	11
64) Tetrachloroethene	10.867	164	10188	4.937	ug/l	92
76) 1,2,3-Trichloropropane	12.617	75	75263	39.387	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	75263	106.047	ug/l #	5

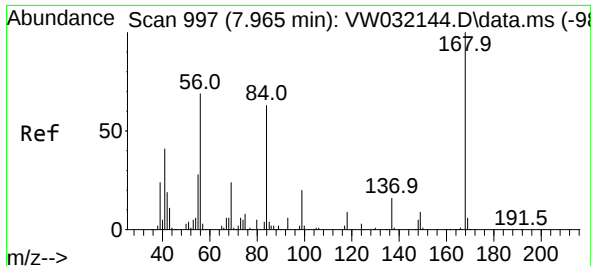
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
Data File : VW032156.D
Acq On : 28 Aug 2025 14:03
Operator : SY/MD
Sample : Q2971-19
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP5

Quant Time: Aug 29 01:19:15 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

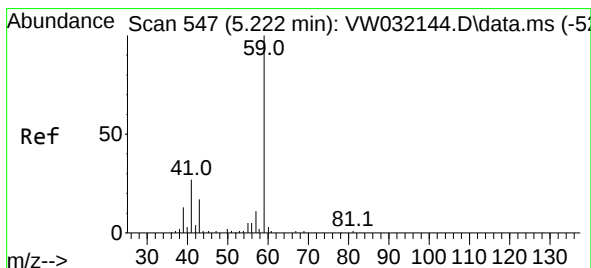
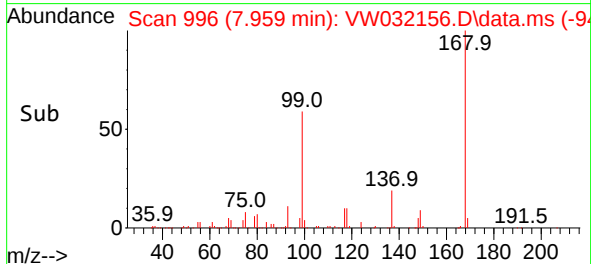
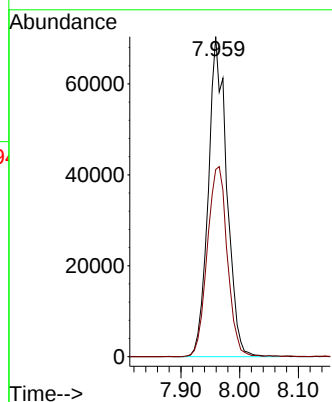
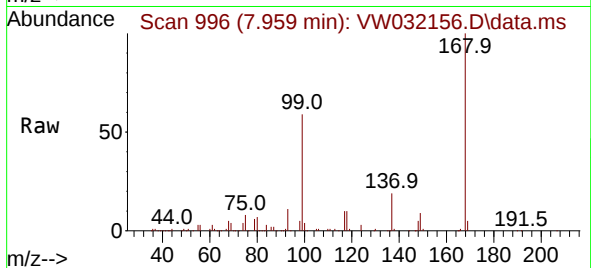




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

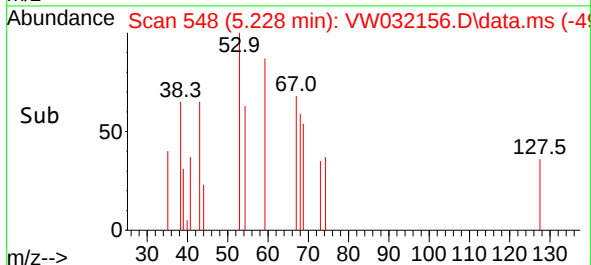
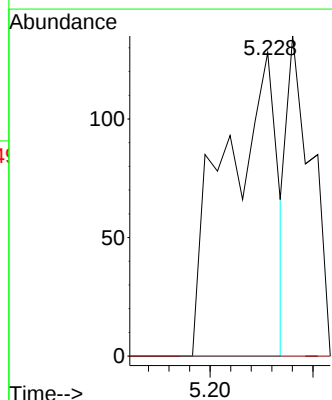
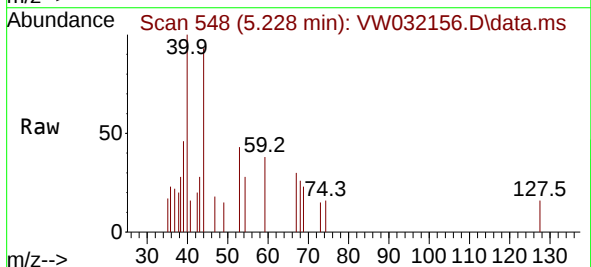
Instrument :
MSVOA_W
ClientSampleId :
TP5

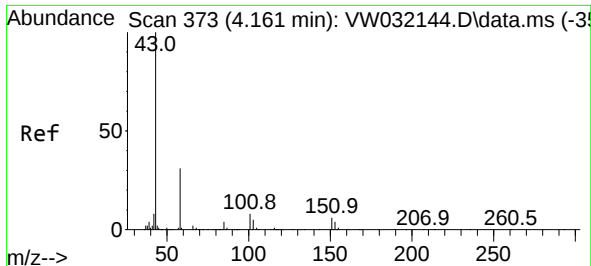
Tgt Ion:168 Resp: 154026
Ion Ratio Lower Upper
168 100
99 58.5 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.670 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

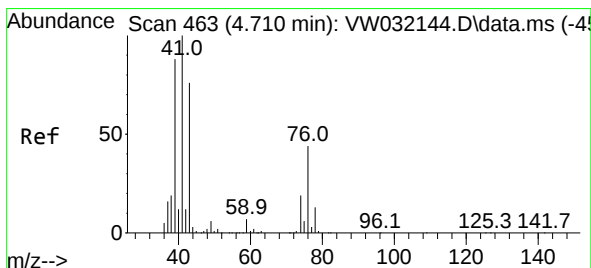
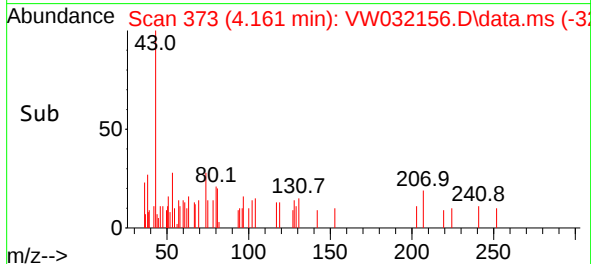
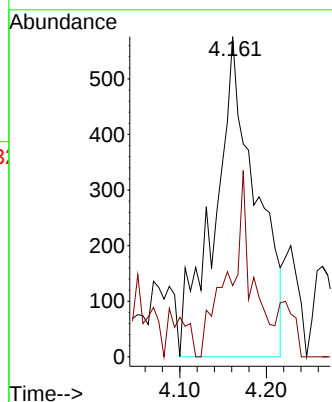
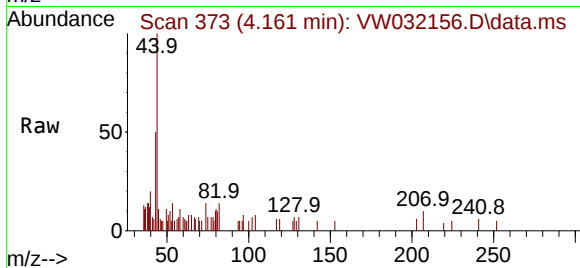




#16
Acetone
Concen: 4.006 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

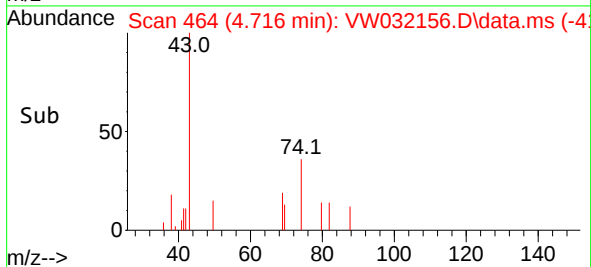
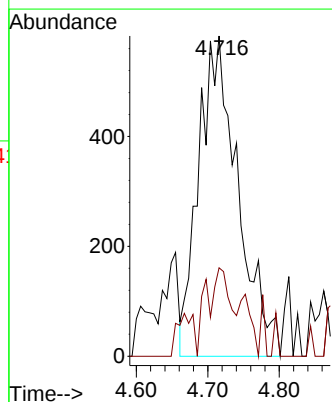
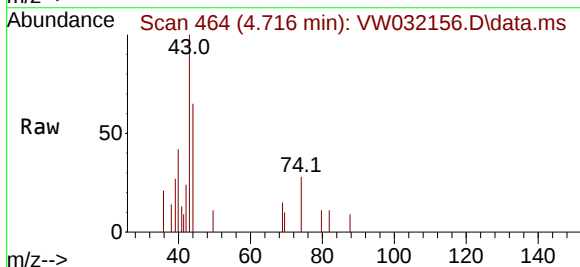
Instrument :
MSVOA_W
ClientSampleId :
TP5

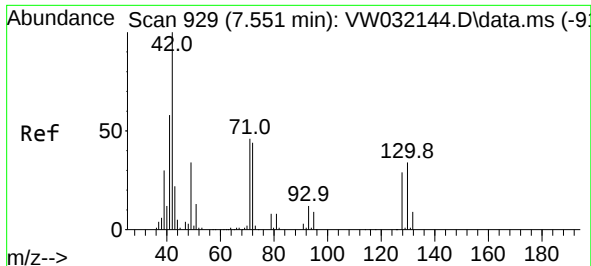
Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
58 9.9 25.3 37.9#



#18
Methyl Acetate
Concen: 1.461 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 11.7 20.2 30.4#





#29

Tetrahydrofuran

Concen: 1.569 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032156.D

Acq: 28 Aug 2025 14:03

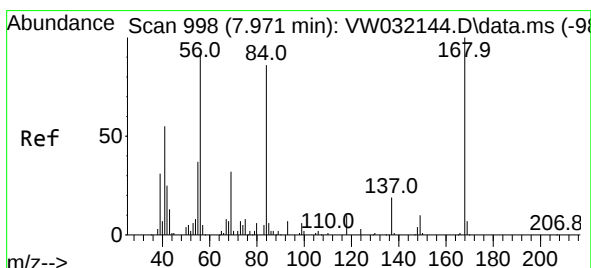
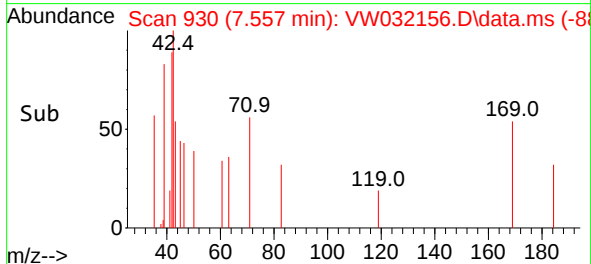
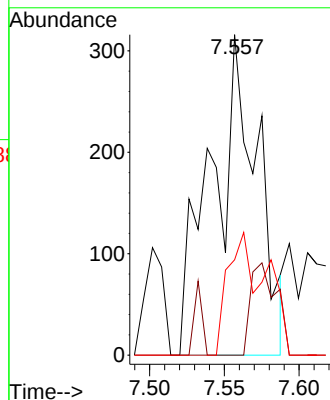
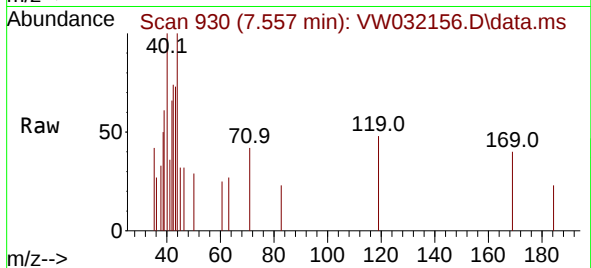
Instrument :

MSVOA_W

ClientSampleId :

TP5

Tgt Ion:	42	Resp:	674
Ion	Ratio	Lower	Upper
42	100		
72	16.0	37.4	56.2#
71	31.9	36.0	54.0#



#31

Cyclohexane

Concen: 1.632 ug/l

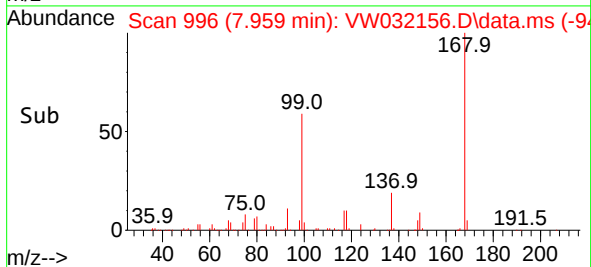
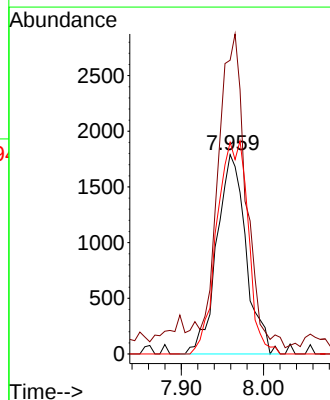
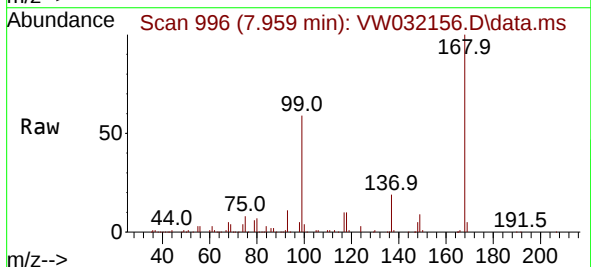
RT: 7.959 min Scan# 996

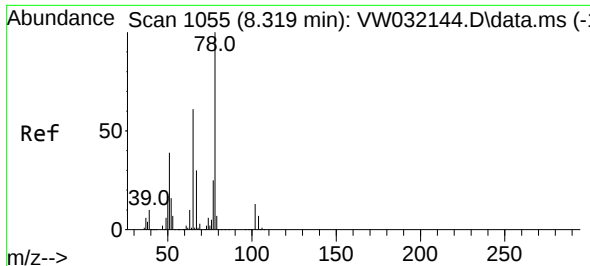
Delta R.T. -0.012 min

Lab File: VW032156.D

Acq: 28 Aug 2025 14:03

Tgt Ion:	56	Resp:	4414
Ion	Ratio	Lower	Upper
56	100		
69	139.1	27.7	41.5#
84	106.2	74.6	112.0





#33

1,2-Dichloroethane-d4

Concen: 58.663 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032156.D

Acq: 28 Aug 2025 14:03

Instrument :

MSVOA_W

ClientSampleId :

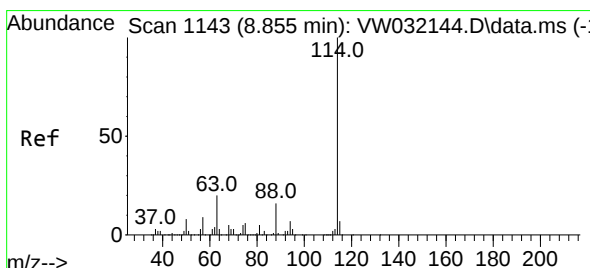
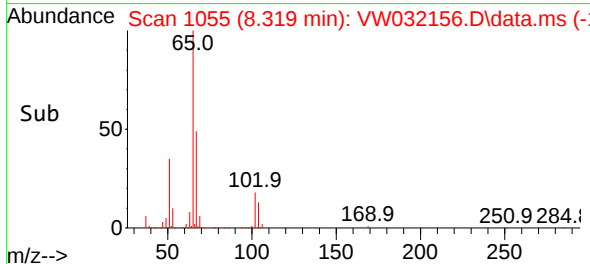
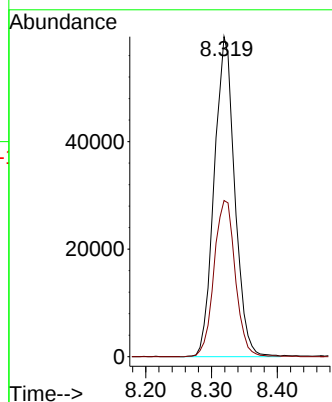
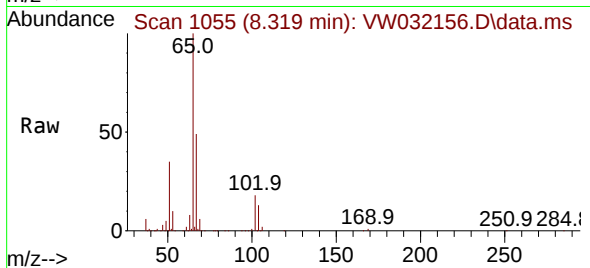
TP5

Tgt Ion: 65 Resp: 129221

Ion Ratio Lower Upper

65 100

67 50.8 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: VW032156.D

Acq: 28 Aug 2025 14:03

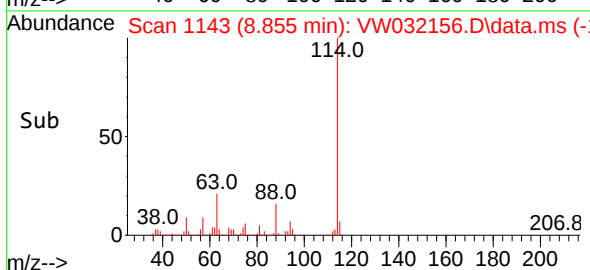
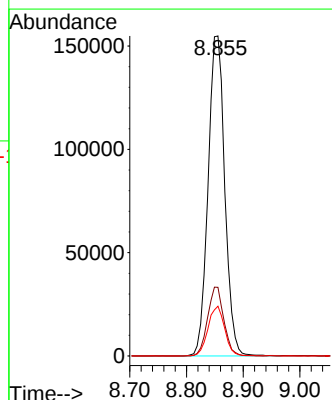
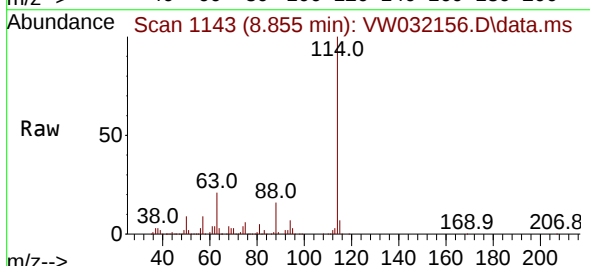
Tgt Ion: 114 Resp: 317107

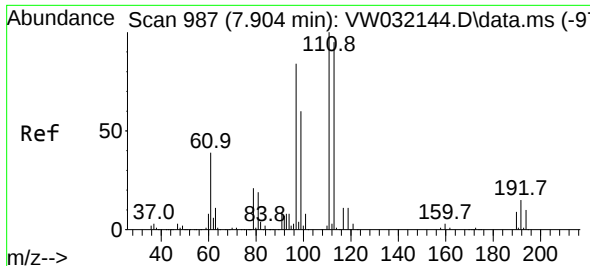
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 15.6 0.0 32.0

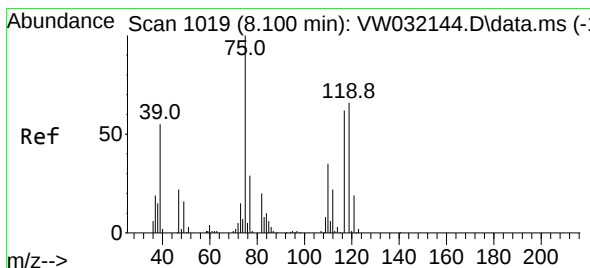
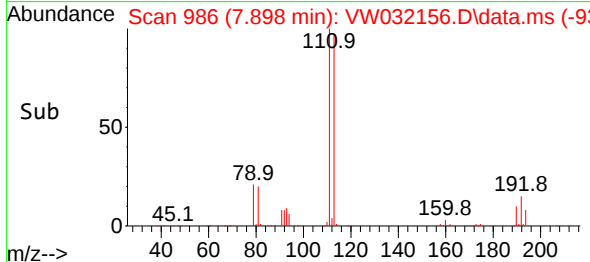
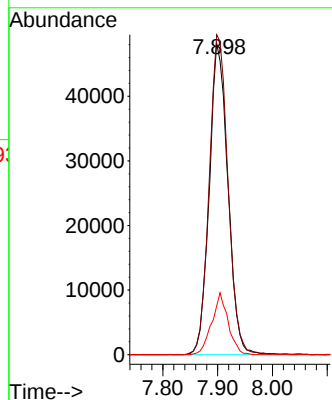
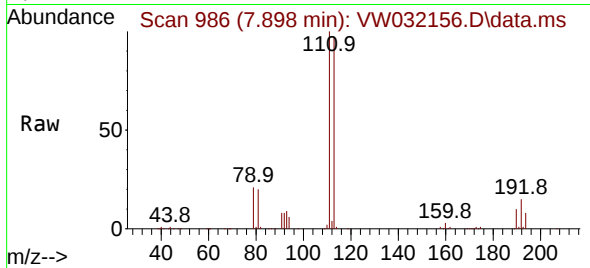




#35
Dibromofluoromethane
Concen: 51.033 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

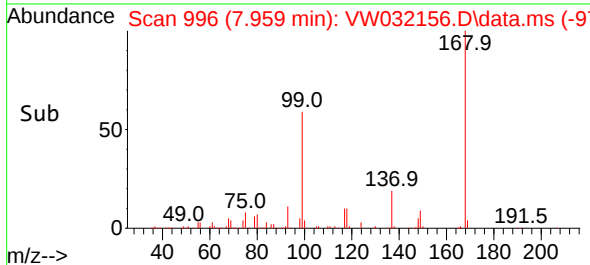
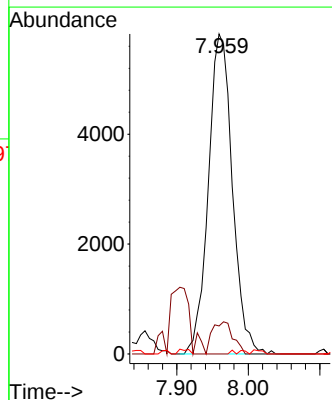
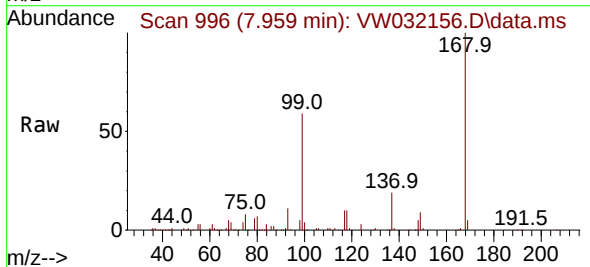
Instrument :
MSVOA_W
ClientSampleId :
TP5

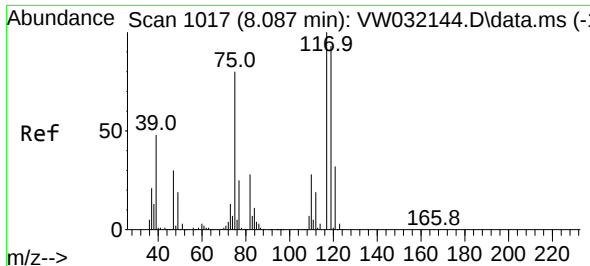
Tgt Ion:113 Resp: 113539
Ion Ratio Lower Upper
113 100
111 103.8 83.9 125.9
192 17.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.712 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 75 Resp: 13593
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.2 24.1 36.1#

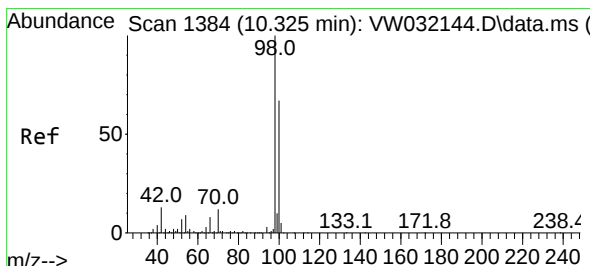
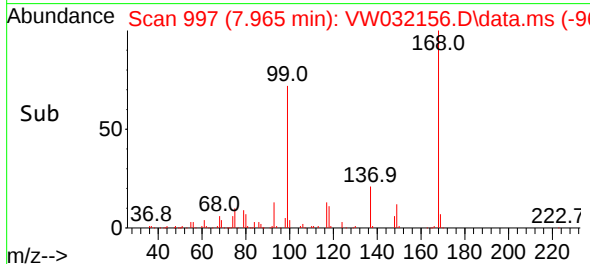
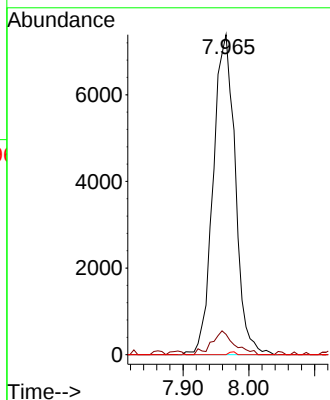
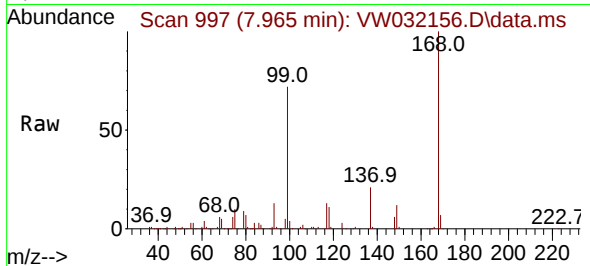




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

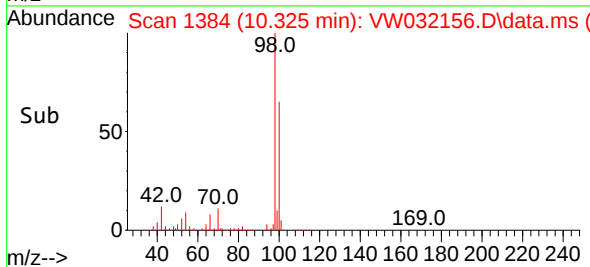
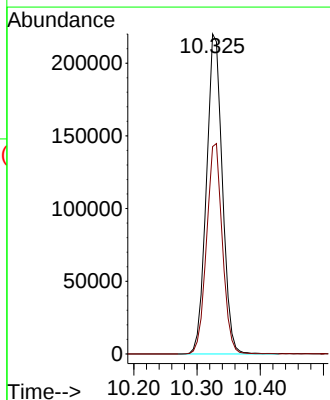
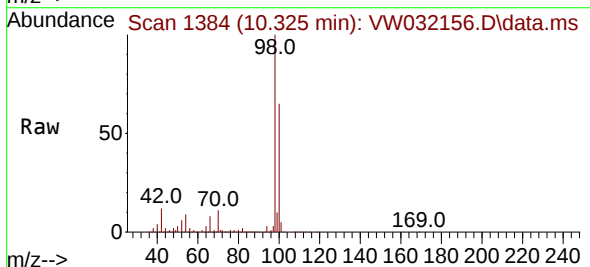
Instrument :
MSVOA_W
ClientSampleId :
TP5

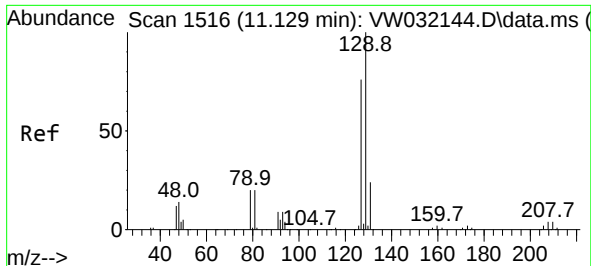
Tgt Ion:117 Resp: 17271
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.2#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 49.315 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 98 Resp: 385157
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2

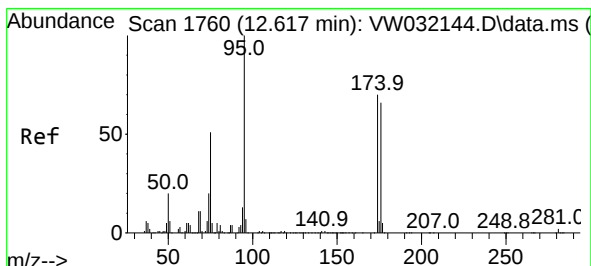
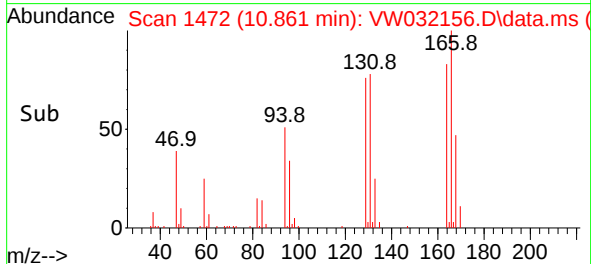
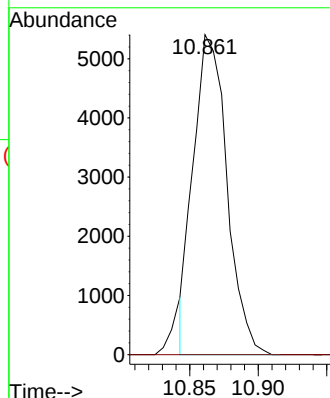
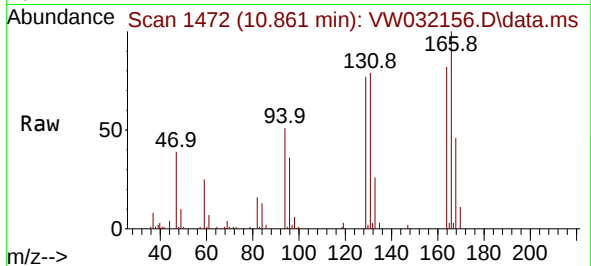




#60
Dibromochloromethane
Concen: 3.889 ug/l
RT: 10.861 min Scan# 14
Delta R.T. -0.268 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

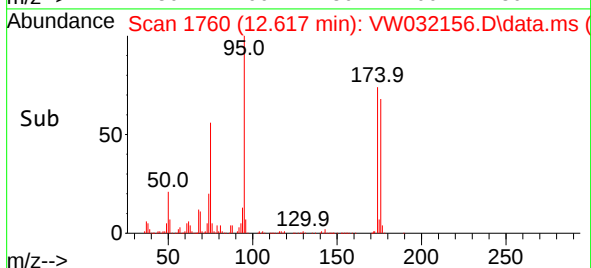
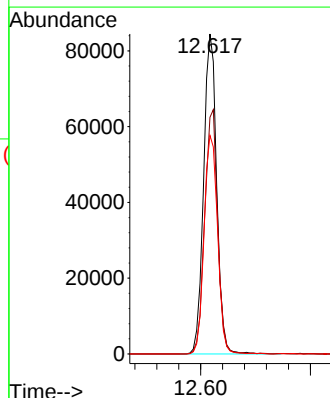
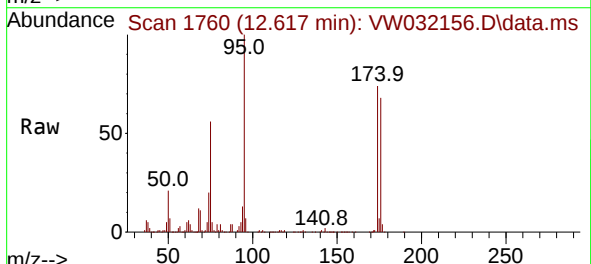
Instrument :
MSVOA_W
ClientSampleId :
TP5

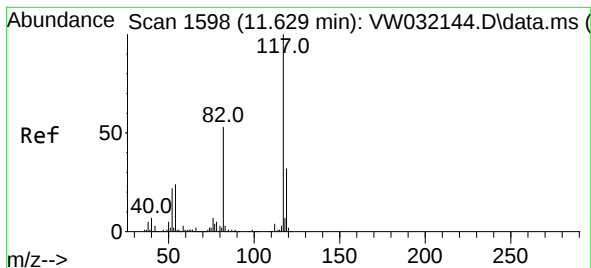
Tgt Ion:129 Resp: 9225
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#



#62
4-Bromofluorobenzene
Concen: 48.184 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 95 Resp: 139157
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.6
176 70.7 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032156.D

Acq: 28 Aug 2025 14:03

Instrument :

MSVOA_W

ClientSampleId :

TP5

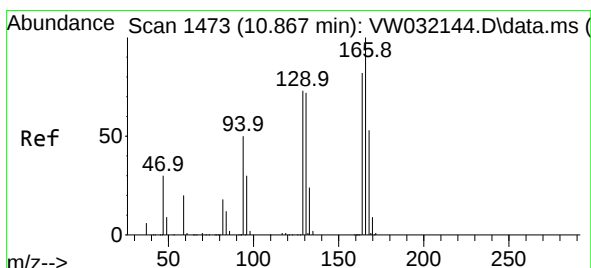
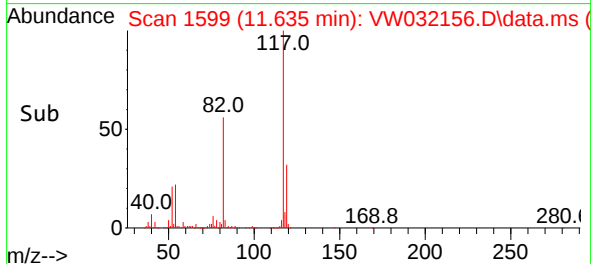
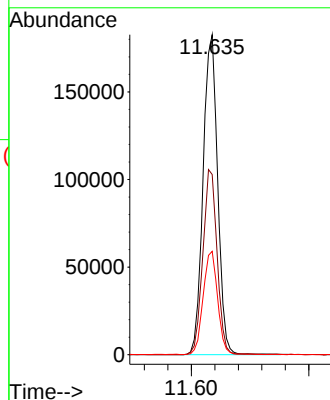
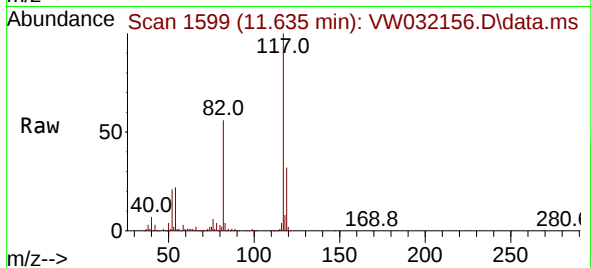
Tgt Ion:117 Resp: 313548

Ion Ratio Lower Upper

117 100

82 56.3 42.7 64.1

119 32.2 25.2 37.8



#64

Tetrachloroethene

Concen: 4.937 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032156.D

Acq: 28 Aug 2025 14:03

Tgt Ion:164 Resp: 10188

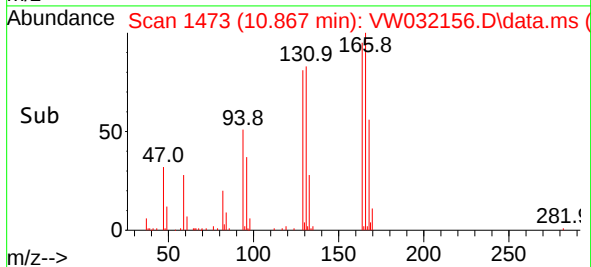
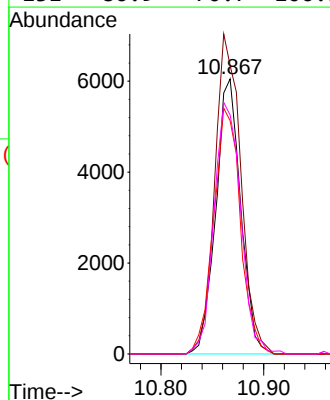
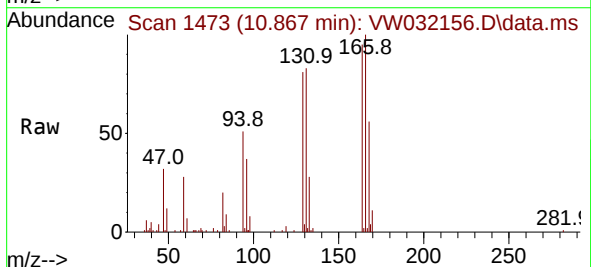
Ion Ratio Lower Upper

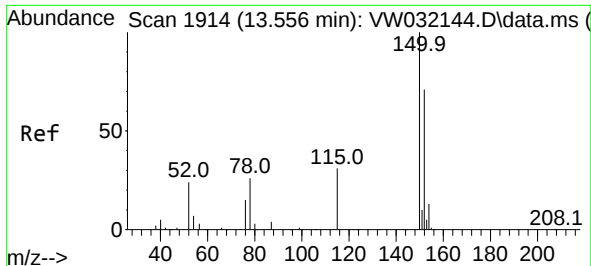
164 100

166 104.9 97.5 146.3

129 84.8 71.2 106.8

131 86.9 70.7 106.1

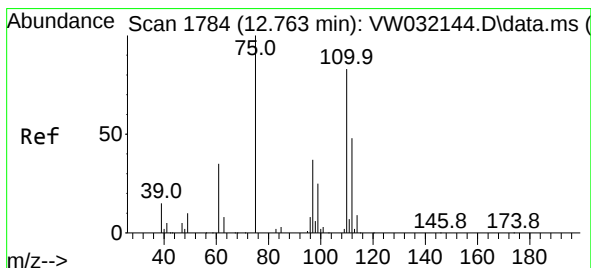
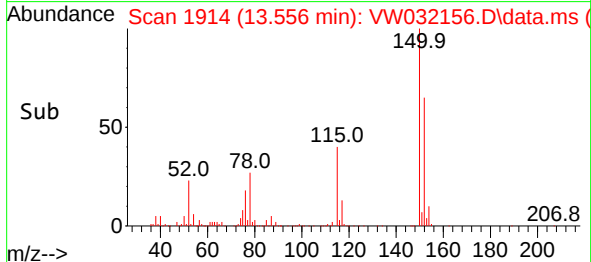
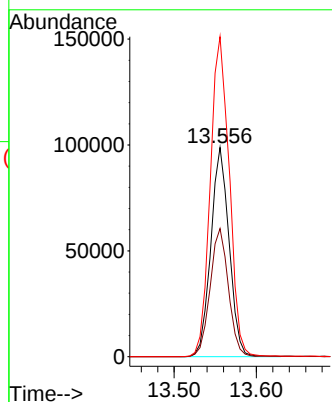
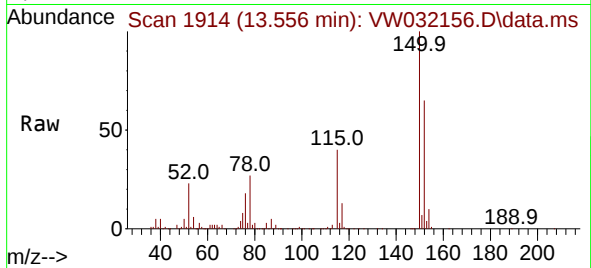




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032156.D
 Acq: 28 Aug 2025 14:03

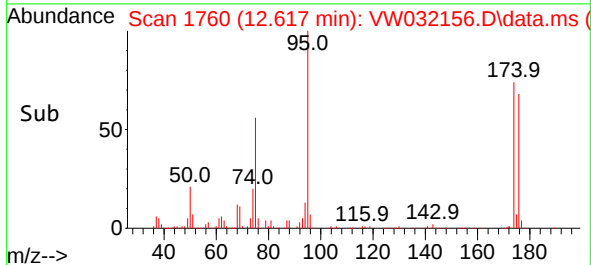
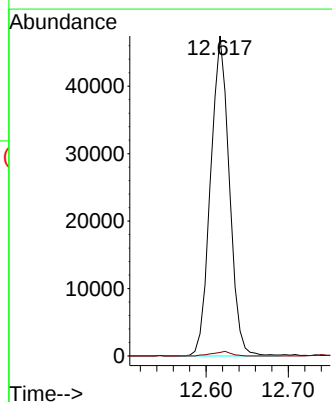
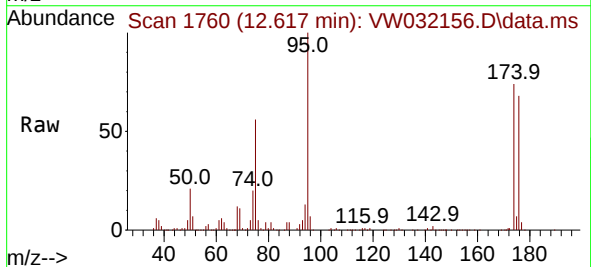
Instrument :
 MSVOA_W
 ClientSampleId :
 TP5

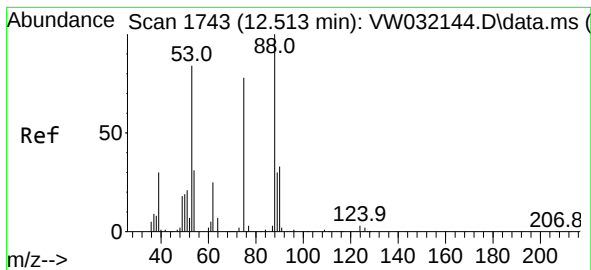
Tgt Ion:152 Resp: 152528
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.8 95.4
 150 159.1 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 39.387 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032156.D
 Acq: 28 Aug 2025 14:03

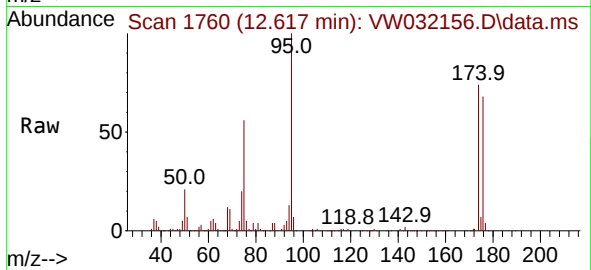
Tgt Ion: 75 Resp: 75263
 Ion Ratio Lower Upper
 75 100
 77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.047 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032156.D
 Acq: 28 Aug 2025 14:03

Instrument :
 MSVOA_W
 ClientSampleId :
 TP5



Tgt Ion: 75 Resp: 75263
 Ion Ratio Lower Upper
 75 100
 53 0.3 91.0 136.6#
 89 0.1 39.4 59.2#

