

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032154.D
 Acq On : 28 Aug 2025 13:20
 Operator : SY/MD
 Sample : Q2971-07
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP2

Quant Time: Aug 29 01:18:24 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)

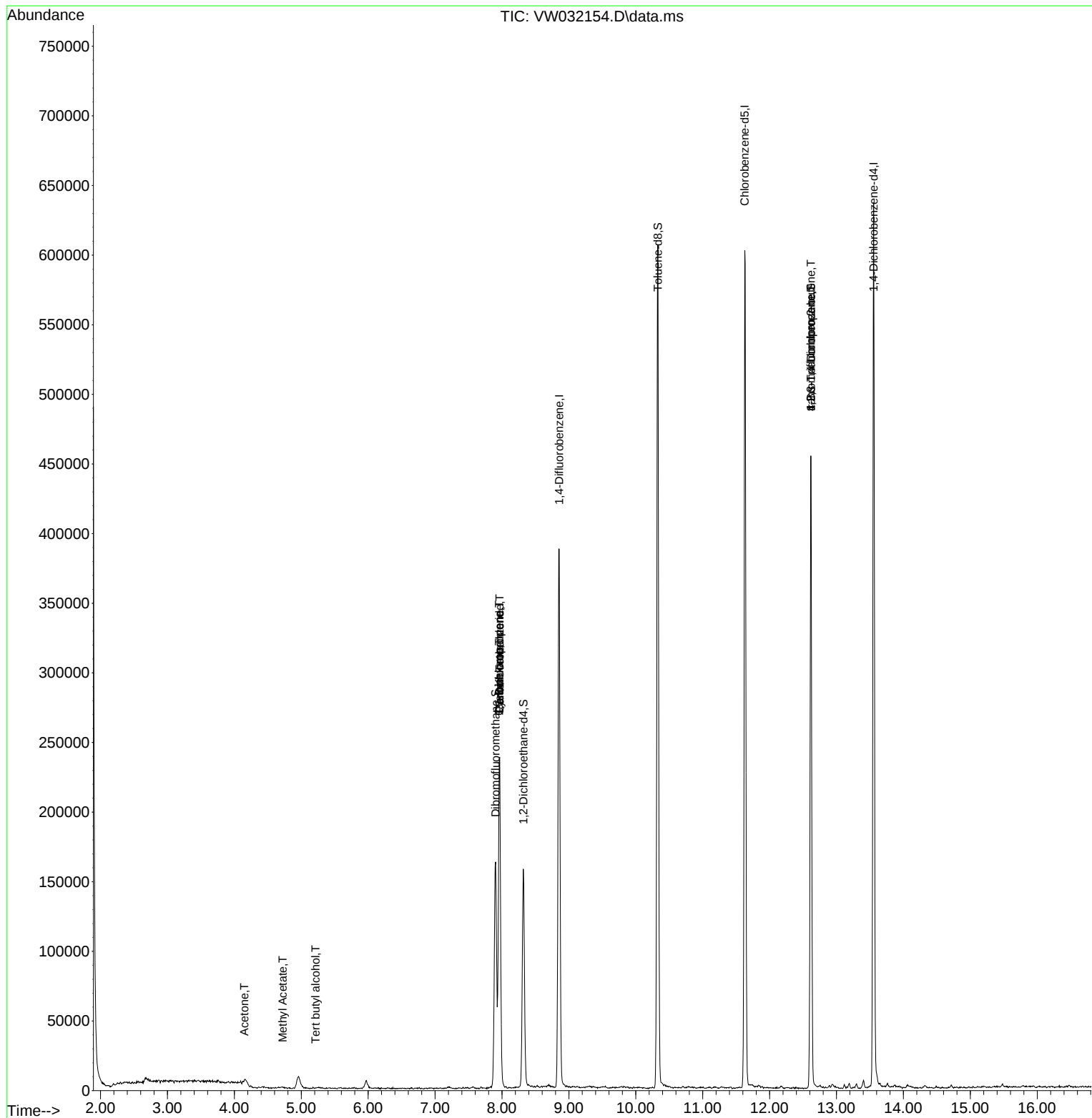
Internal Standards						
1) Pentafluorobenzene	7.965	168	173027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	331295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	326041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130276	52.647	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.300%			
35) Dibromofluoromethane	7.904	113	118245	50.872	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.740%			
50) Toluene-d8	10.331	98	401396	49.193	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.617	95	145837	48.334	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.660%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.216	59	331	2.187	ug/l #	69
16) Acetone	4.149	43	3755	7.007	ug/l #	89
18) Methyl Acetate	4.722	43	1948	1.141	ug/l	100
20) Methylene Chloride	4.960	84	7599	Below Cal		90
31) Cyclohexane	7.959	56	4140	1.363	ug/l #	24
36) 1,1-Dichloropropene	7.959	75	14562	4.832	ug/l #	49
38) Carbon Tetrachloride	7.965	117	18262	5.653	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	80341	39.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	80341	105.368	ug/l #	5

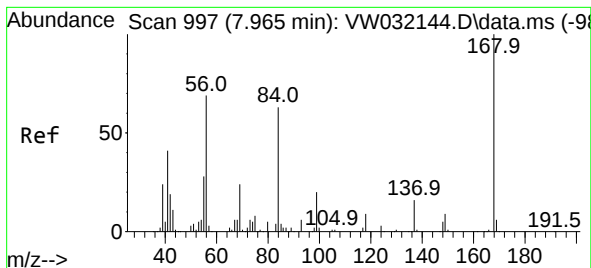
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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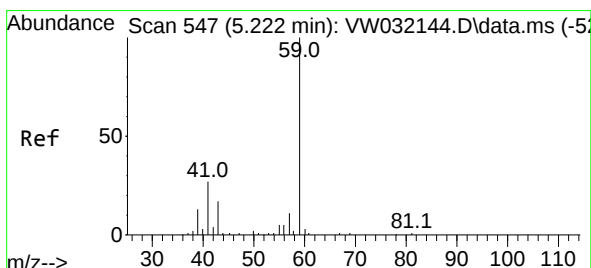
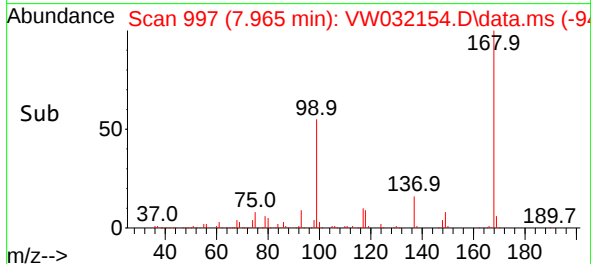
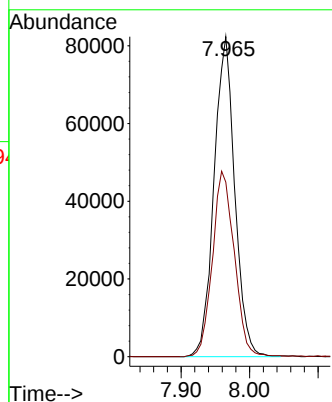
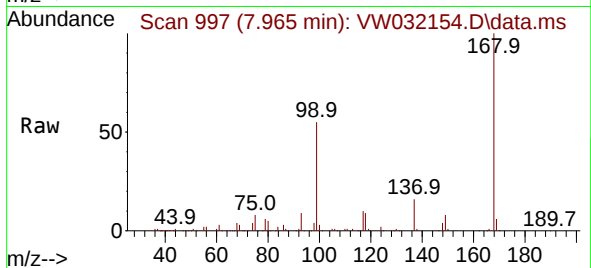




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

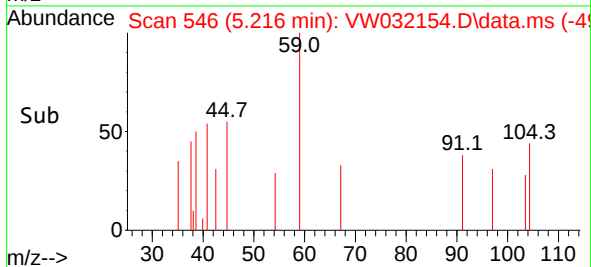
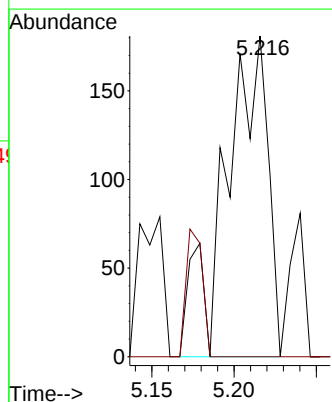
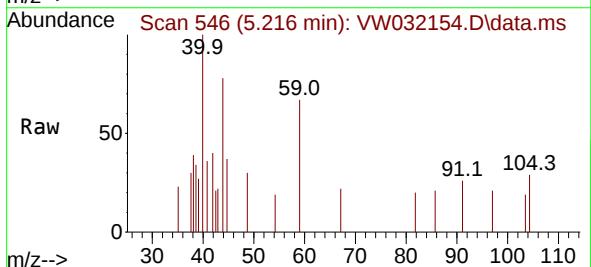
Instrument :
MSVOA_W
ClientSampleId :
TP2

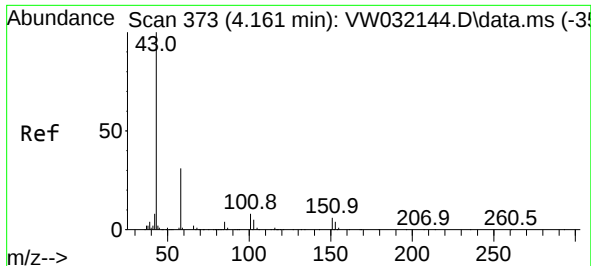
Tgt Ion:168 Resp: 173027
Ion Ratio Lower Upper
168 100
99 54.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.187 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

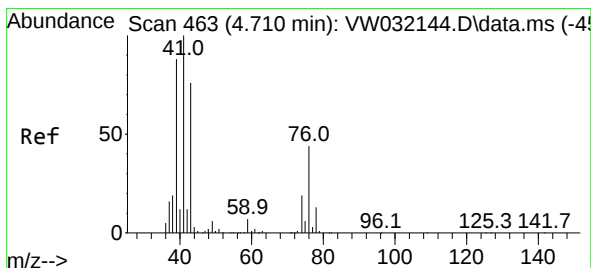
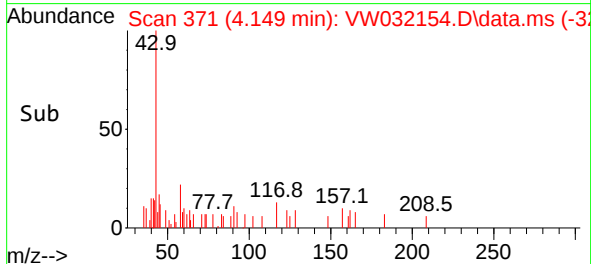
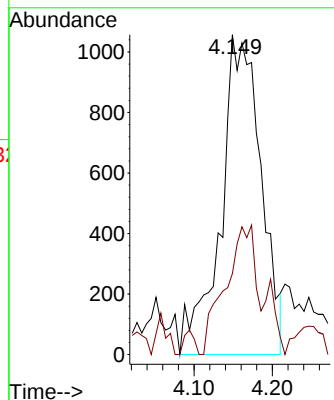
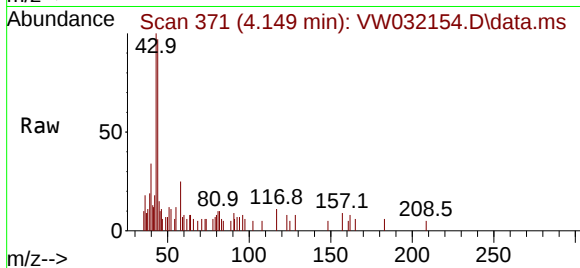




#16
Acetone
Concen: 7.007 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

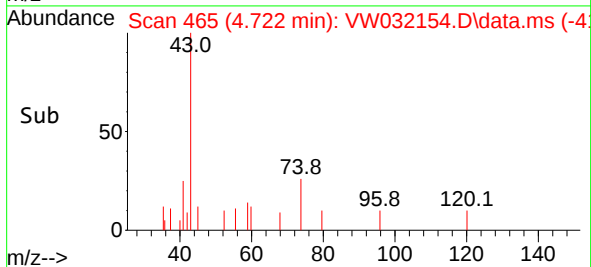
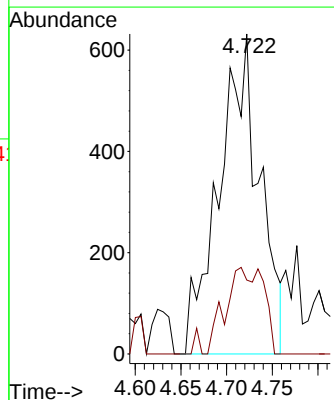
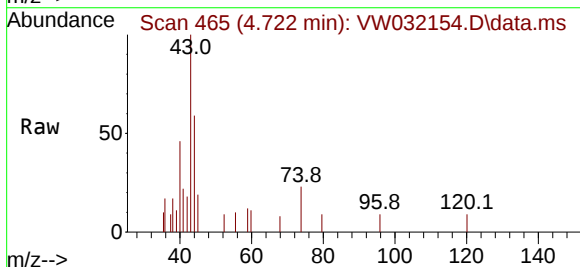
Instrument :
MSVOA_W
ClientSampleId :
TP2

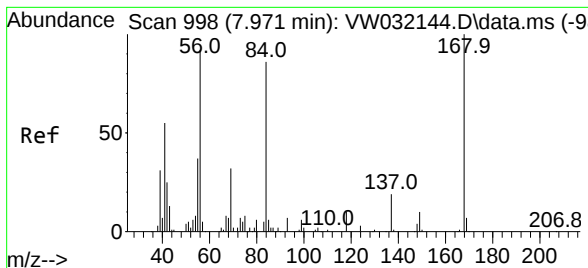
Tgt Ion: 43 Resp: 3755
Ion Ratio Lower Upper
43 100
58 25.3 25.3 37.9#



#18
Methyl Acetate
Concen: 1.141 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 43 Resp: 1948
Ion Ratio Lower Upper
43 100
74 25.5 20.2 30.4

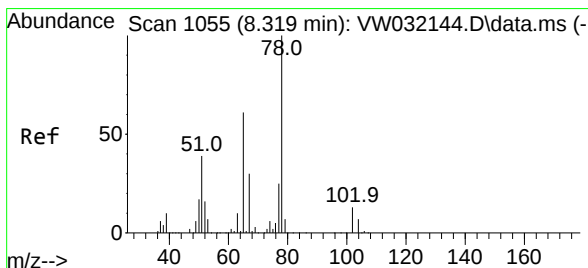
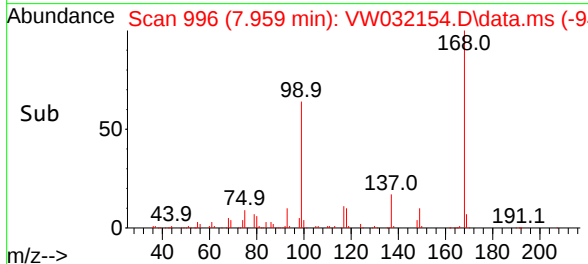
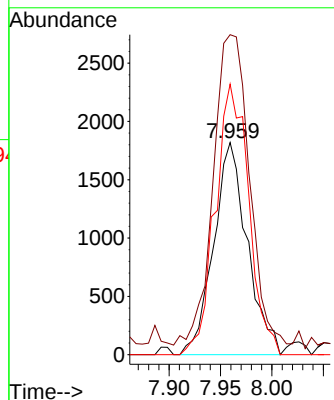
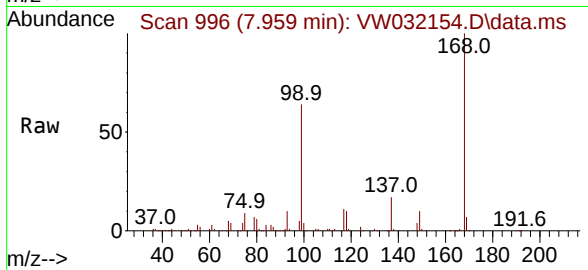




#31
Cyclohexane
Concen: 1.363 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

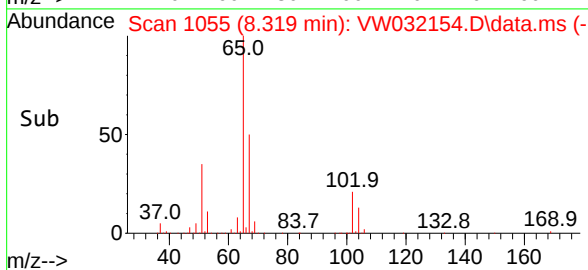
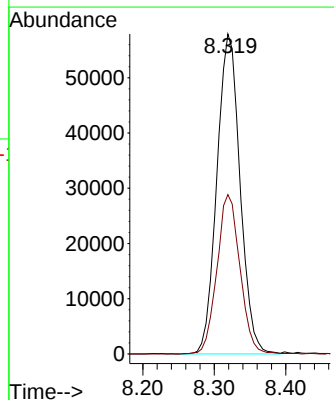
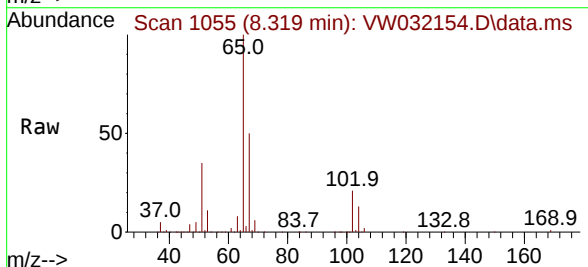
Instrument :
MSVOA_W
ClientSampleId :
TP2

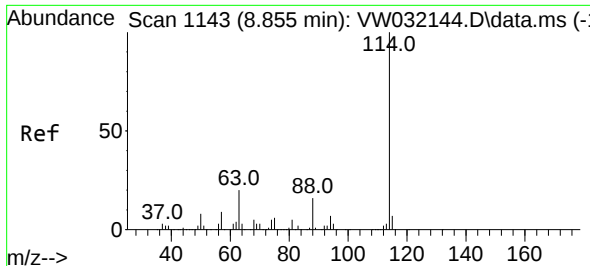
Tgt Ion: 56 Resp: 4140
Ion Ratio Lower Upper
56 100
69 141.8 27.7 41.5#
84 127.5 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 52.647 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 65 Resp: 130276
Ion Ratio Lower Upper
65 100
67 49.5 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: VW032154.D

Acq: 28 Aug 2025 13:20

Instrument :

MSVOA_W

ClientSampleId :

TP2

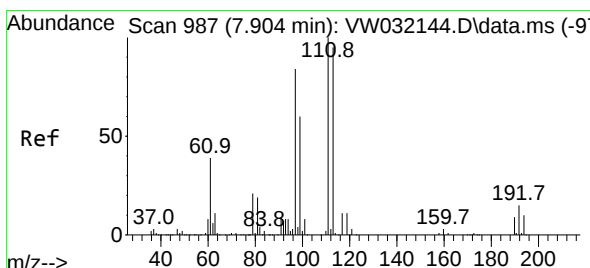
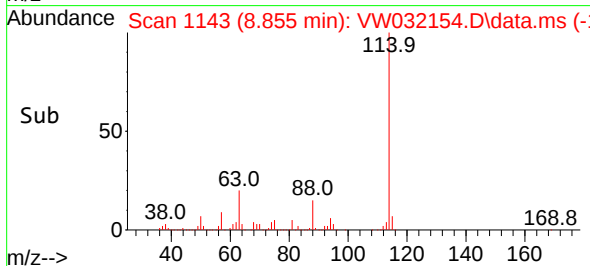
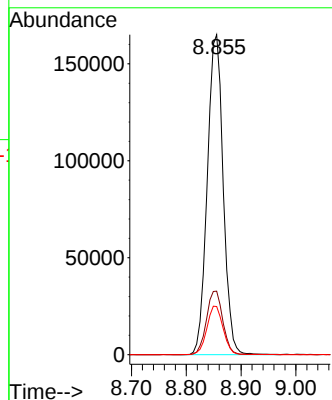
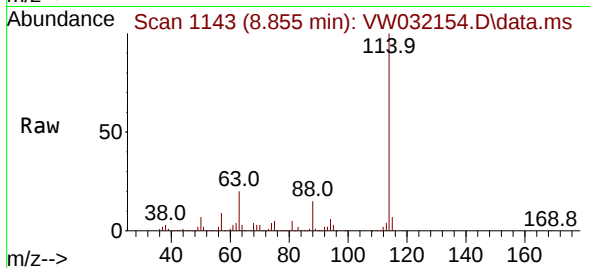
Tgt Ion:114 Resp: 331295

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 15.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.872 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032154.D

Acq: 28 Aug 2025 13:20

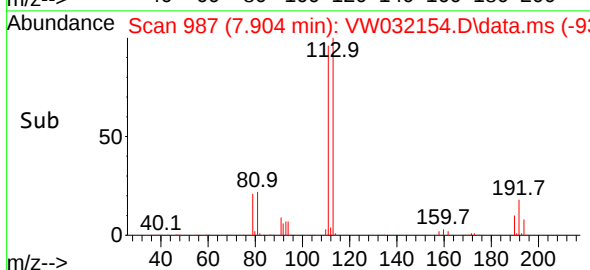
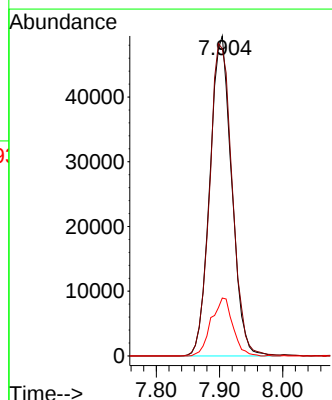
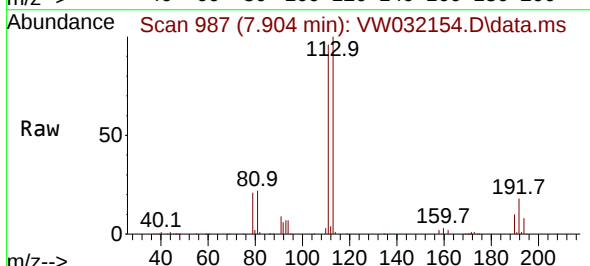
Tgt Ion:113 Resp: 118245

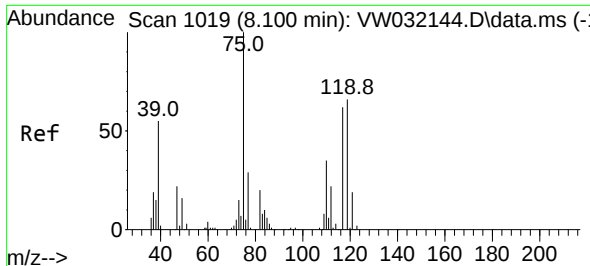
Ion Ratio Lower Upper

113 100

111 101.3 83.9 125.9

192 18.0 14.6 21.8

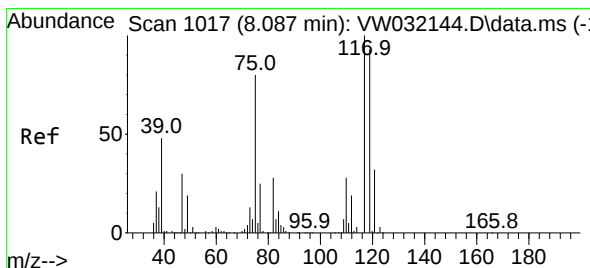
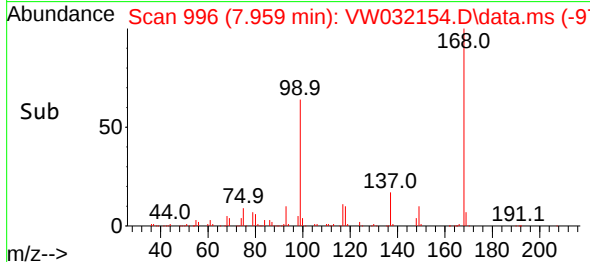
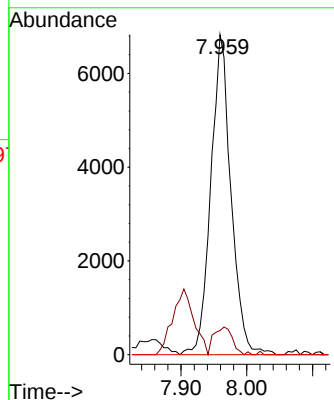
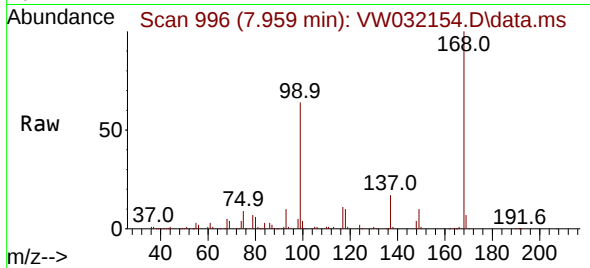




#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032154.D
 Acq: 28 Aug 2025 13:20

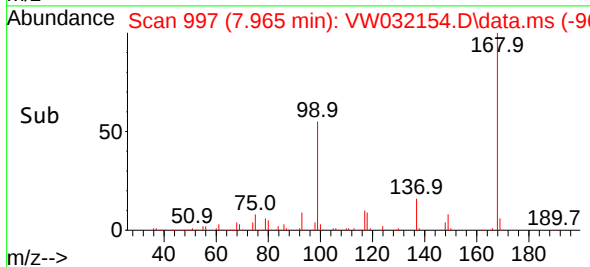
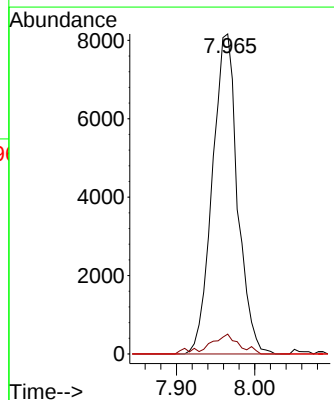
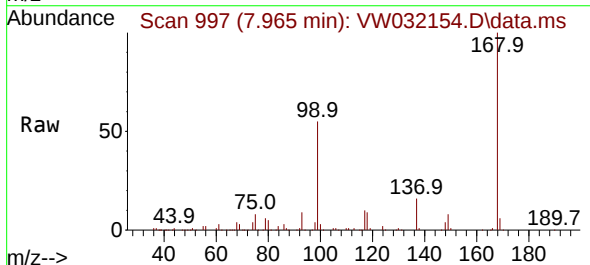
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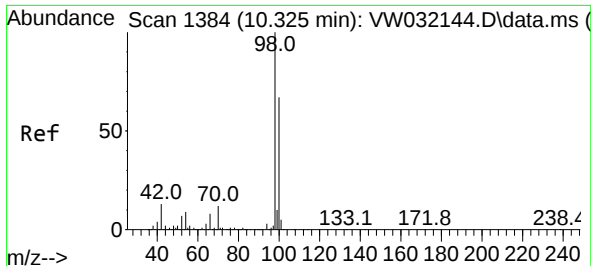
Tgt Ion: 75 Resp: 14562
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.5 52.5#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.653 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.122 min
 Lab File: VW032154.D
 Acq: 28 Aug 2025 13:20

Tgt Ion: 117 Resp: 18262
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.2 111.2#
 121 0.0 25.6 38.4#

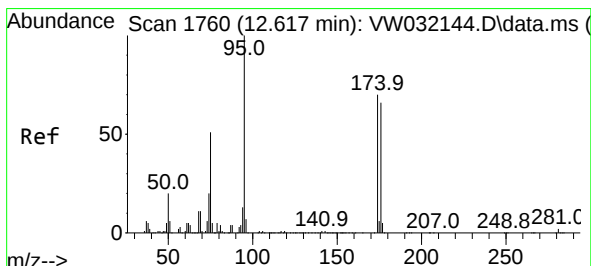
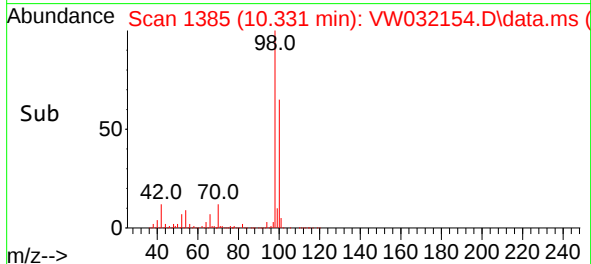
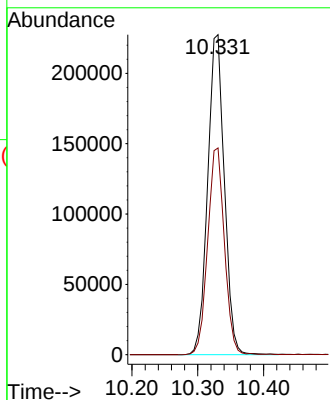
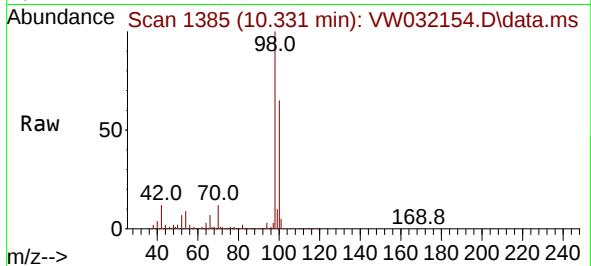




#50
Toluene-d8
Concen: 49.193 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

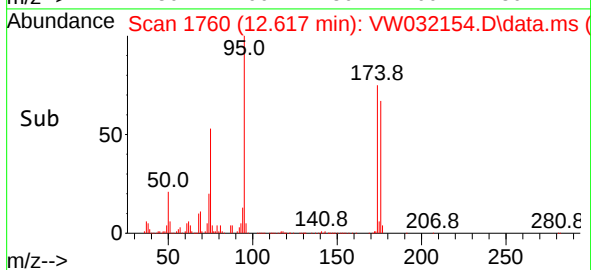
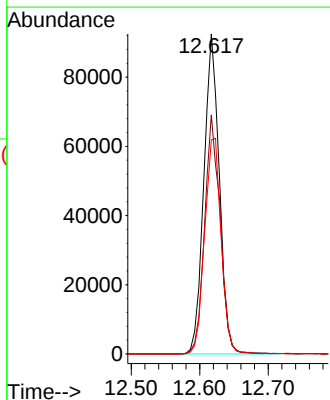
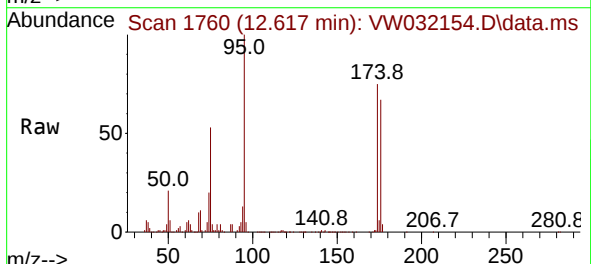
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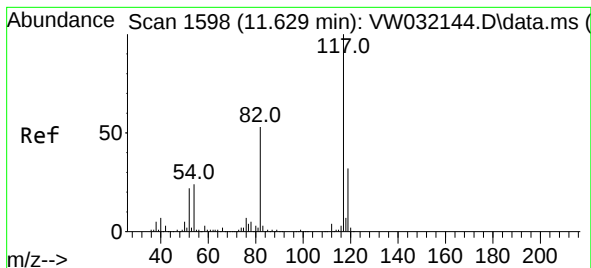
Tgt Ion: 98 Resp: 401396
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.334 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 95 Resp: 145837
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.6
176 71.8 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032154.D

Acq: 28 Aug 2025 13:20

Instrument :

MSVOA_W

ClientSampleId :

TP2

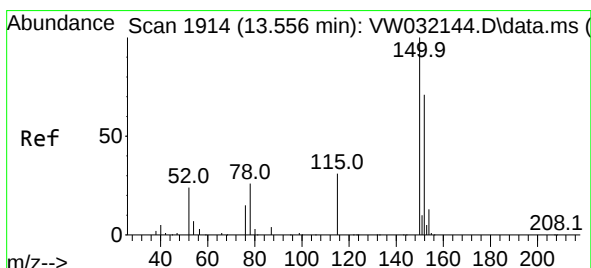
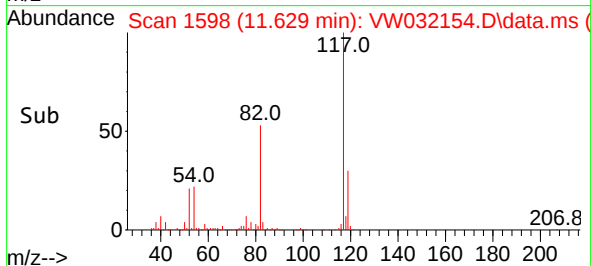
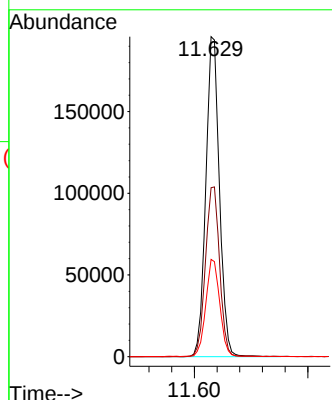
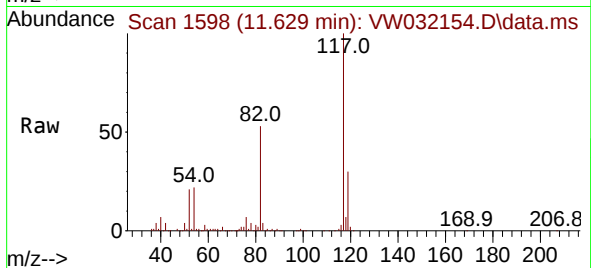
Tgt Ion:117 Resp: 326041

Ion Ratio Lower Upper

117 100

82 52.8 42.7 64.1

119 30.4 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: VW032154.D

Acq: 28 Aug 2025 13:20

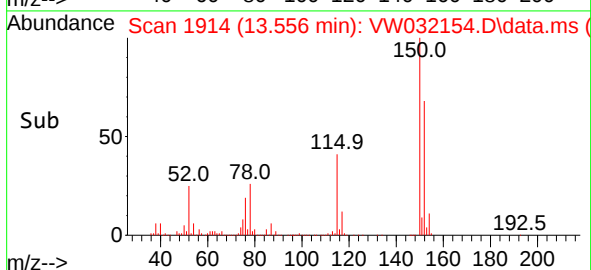
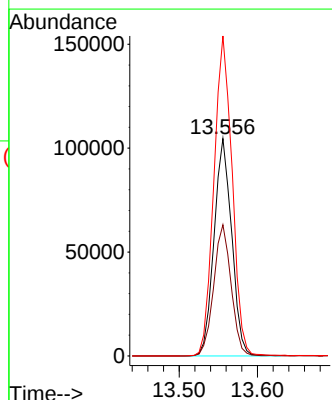
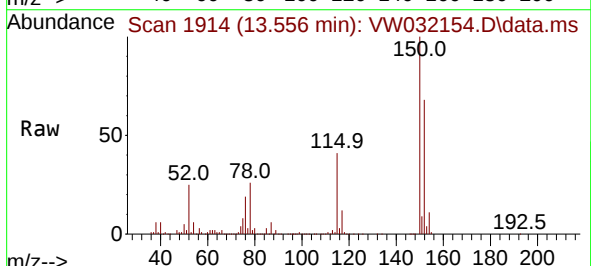
Tgt Ion:152 Resp: 163869

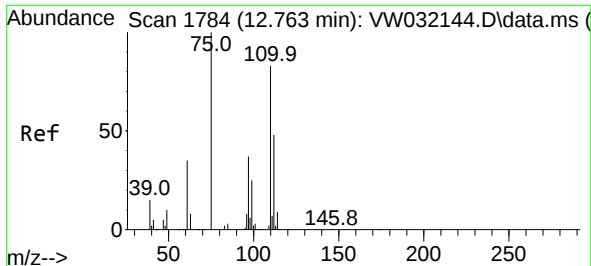
Ion Ratio Lower Upper

152 100

115 59.6 31.8 95.4

150 152.2 0.0 343.0

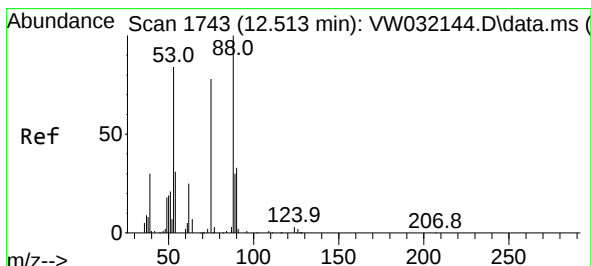
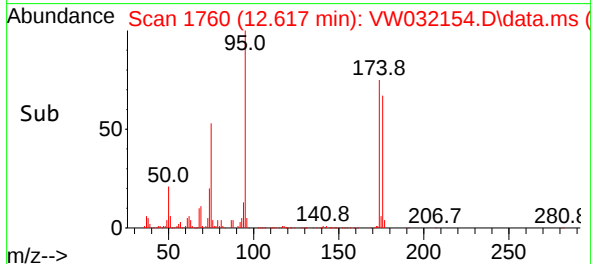
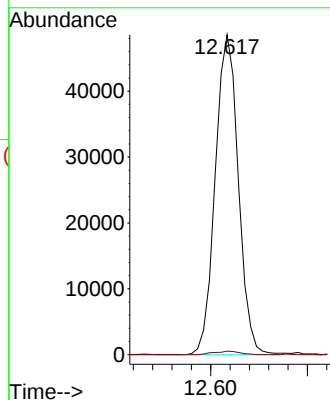
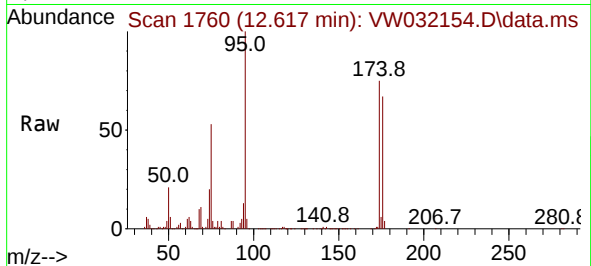




#76
1,2,3-Trichloropropane
Concen: 39.134 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Instrument :
MSVOA_W
ClientSampleId :
TP2

Tgt Ion: 75 Resp: 80341
Ion Ratio Lower Upper
75 100
77 1.2 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.368 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032154.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 75 Resp: 80341
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.0 39.4 59.2#

