

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032359.D
 Acq On : 06 Oct 2025 15:10
 Operator : SY/MD
 Sample : Q3289-01
 Misc : 4.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:47:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

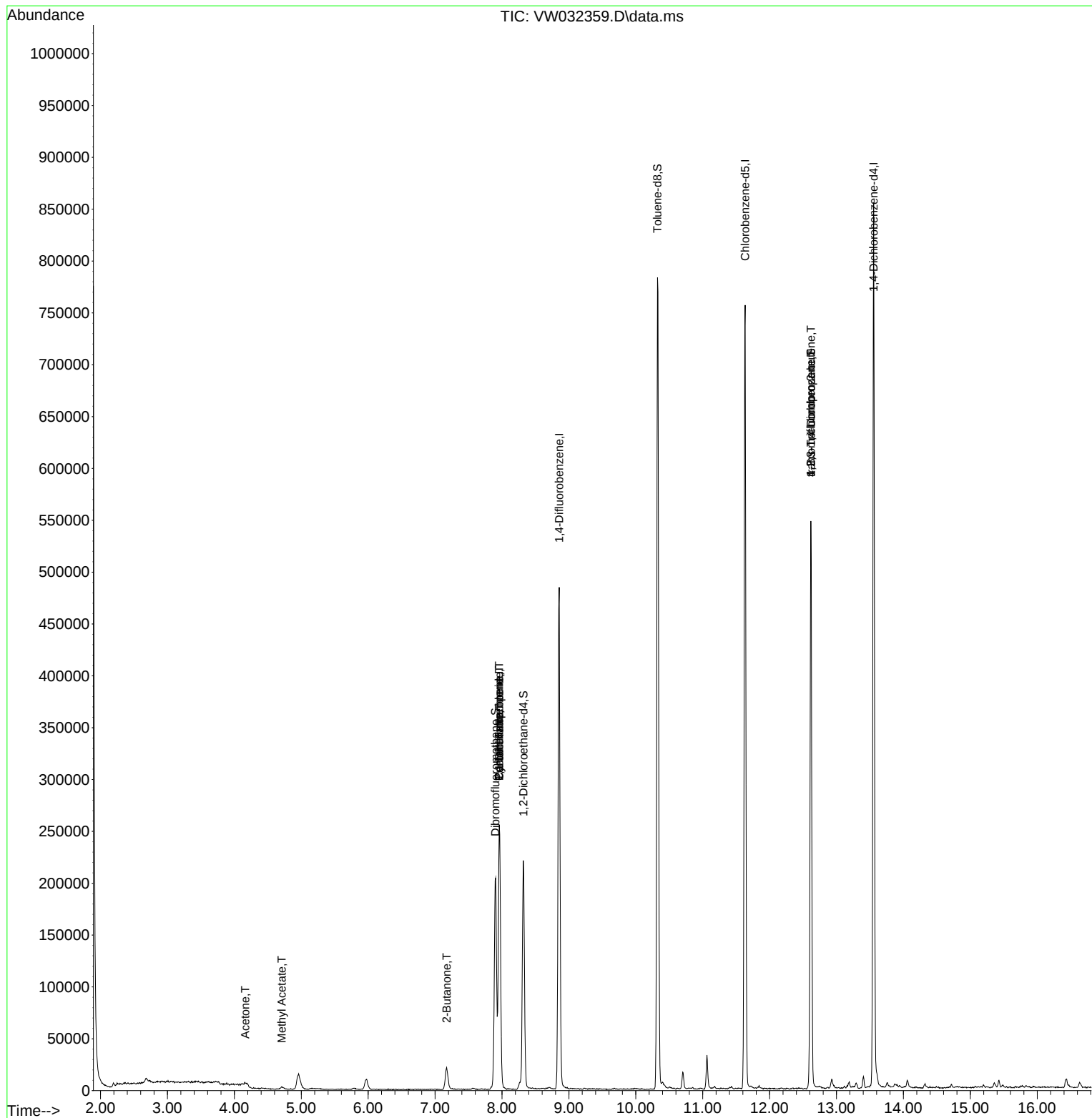
Internal Standards						
1) Pentafluorobenzene	7.959	168	179641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	414402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	212076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	180027	68.708	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 137.420%		
35) Dibromofluoromethane	7.898	113	153703	59.388	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 118.780%		
50) Toluene-d8	10.325	98	531948	55.689	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 111.380%		
62) 4-Bromofluorobenzene	12.617	95	202055	55.965	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 111.920%		
Target Compounds						
						Qvalue
16) Acetone	4.161	43	2441	3.365	ug/l	94
18) Methyl Acetate	4.710	43	4433	2.133	ug/l	95
25) 2-Butanone	7.173	43	1072	1.085	ug/l #	89
31) Cyclohexane	7.959	56	4823	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17567	4.810	ug/l #	48
38) Carbon Tetrachloride	7.959	117	20337	5.917	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	104226	37.346	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	104226	94.608	ug/l #	5

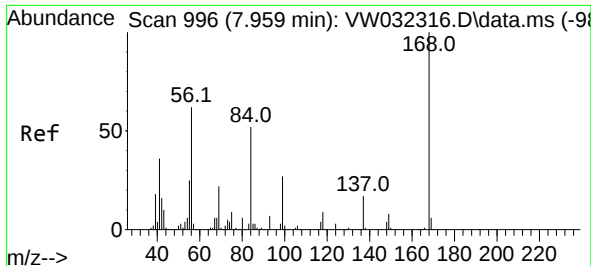
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 03:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

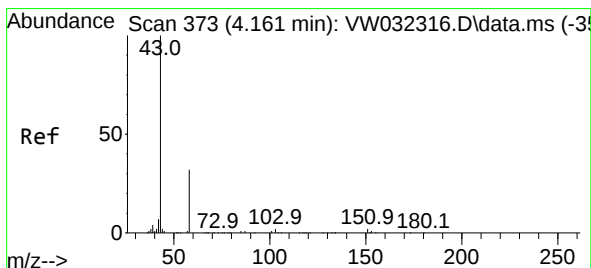
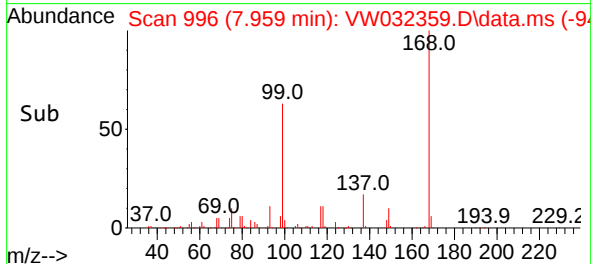
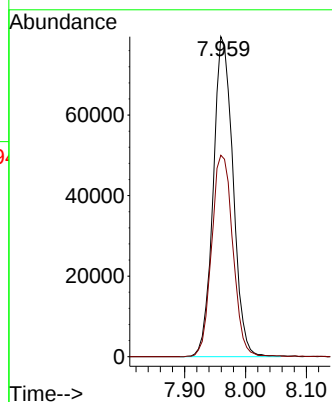
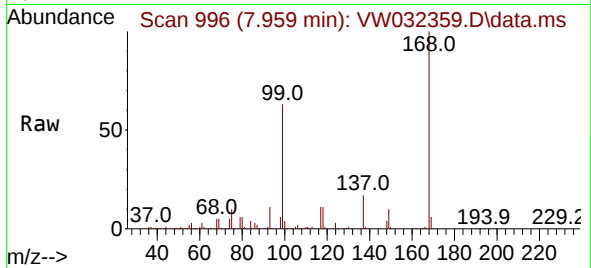




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

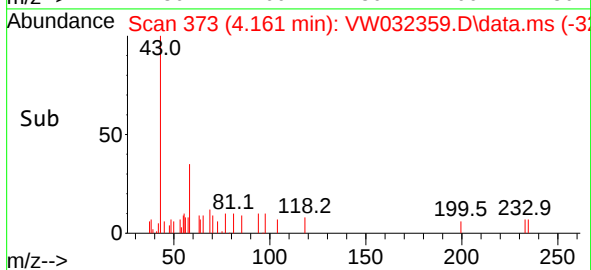
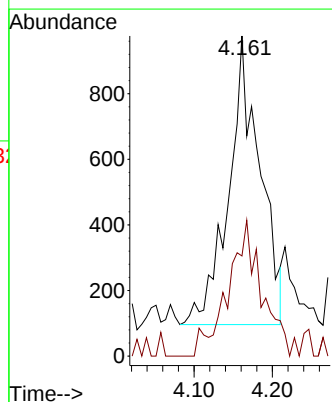
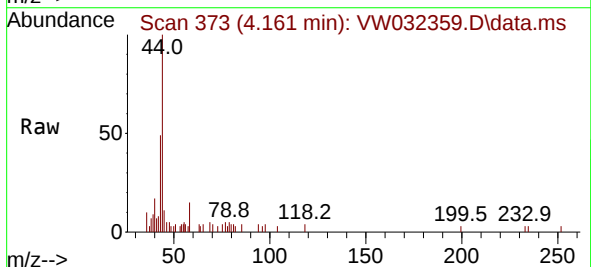
Instrument :
MSVOA_W
ClientSampleId :

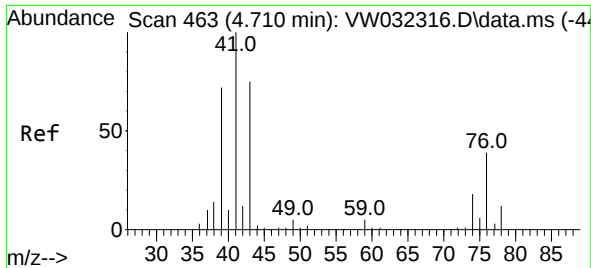
Tgt Ion:168 Resp: 179641
Ion Ratio Lower Upper
168 100
99 63.0 49.3 73.9



#16
Acetone
Concen: 3.365 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
58 34.7 25.3 37.9

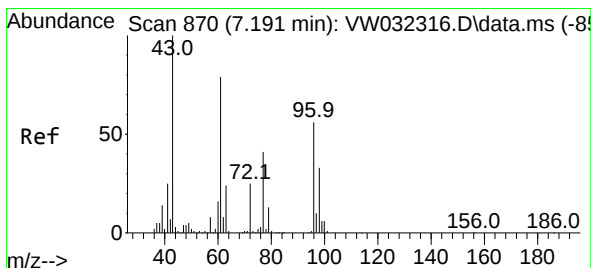
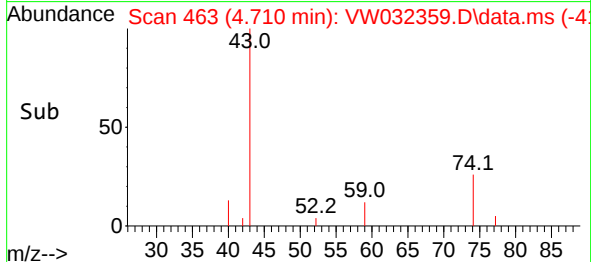
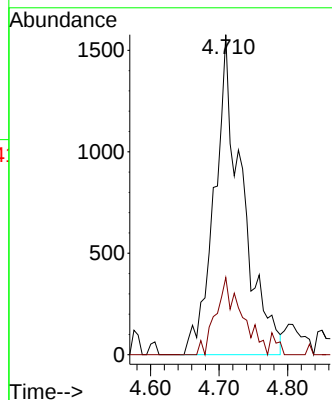
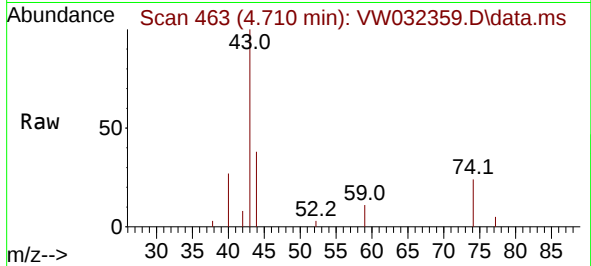




#18
Methyl Acetate
Concen: 2.133 ug/l
RT: 4.710 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

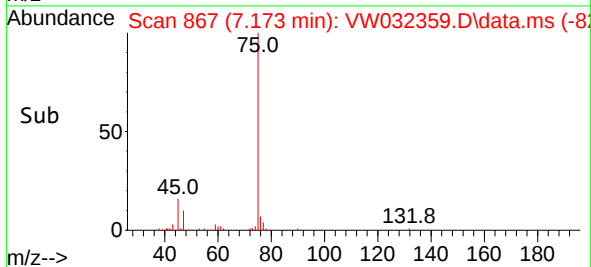
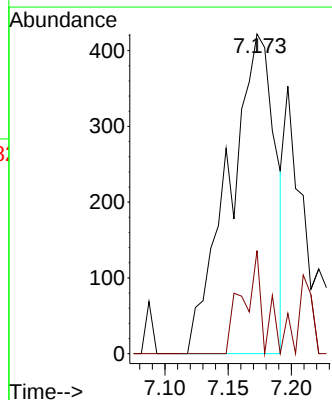
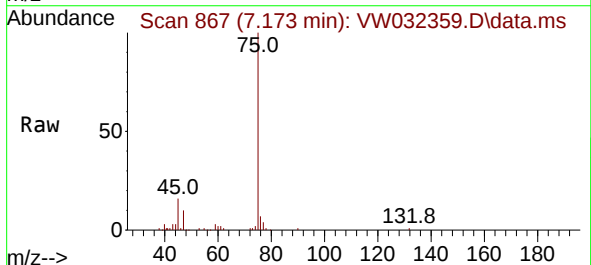
Instrument :
MSVOA_W
ClientSampleId :

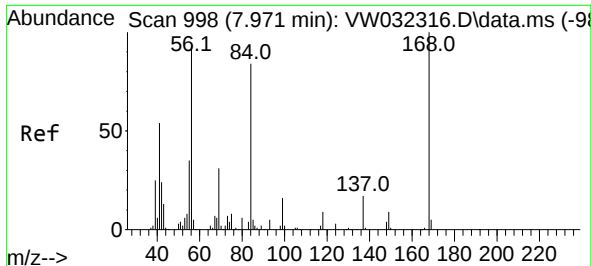
Tgt Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
74 22.6 20.2 30.4



#25
2-Butanone
Concen: 1.085 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
72 32.2 21.4 32.2#

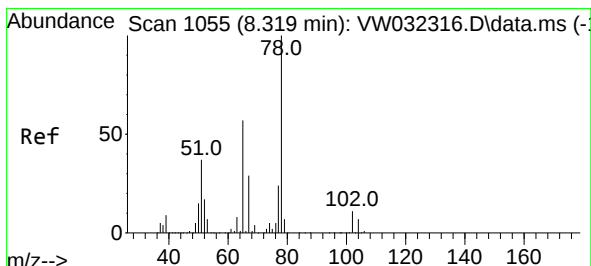
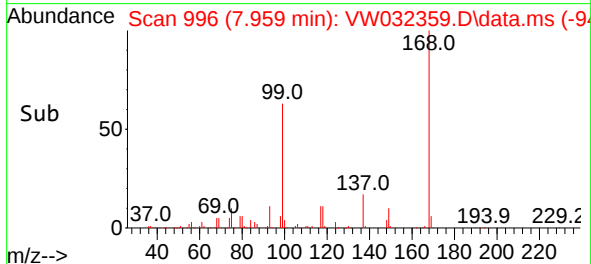
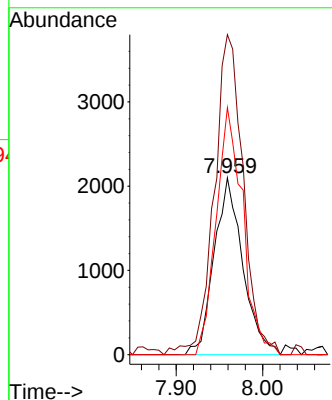
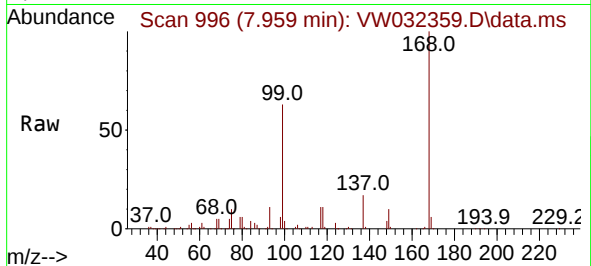




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

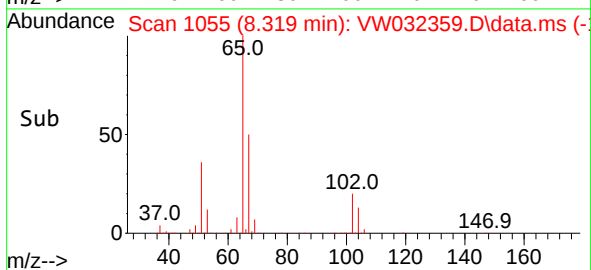
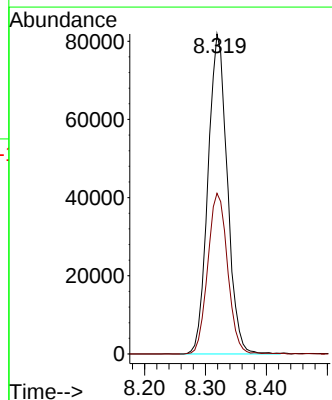
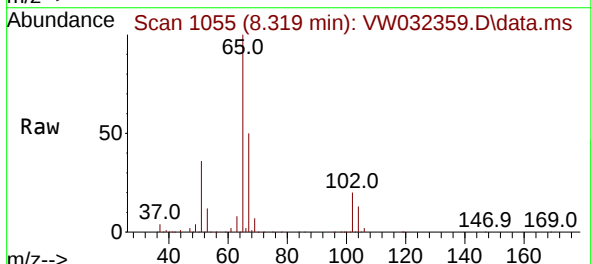
Instrument :
MSVOA_W
ClientSampleId :

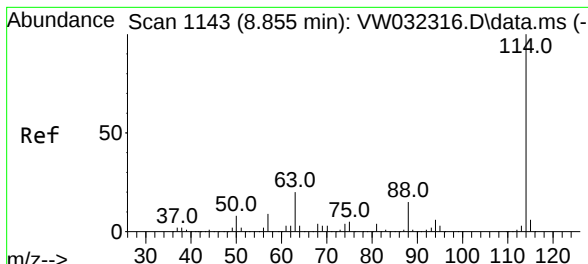
Tgt Ion: 56 Resp: 4823
Ion Ratio Lower Upper
56 100
69 181.0 27.7 41.5#
84 139.8 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 68.708 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 65 Resp: 180027
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.6

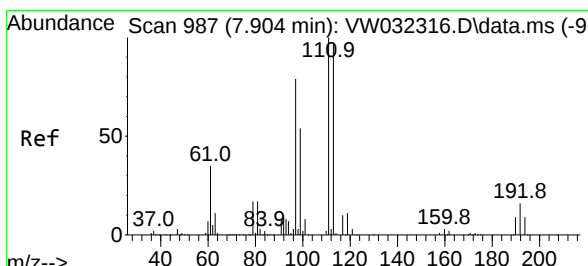
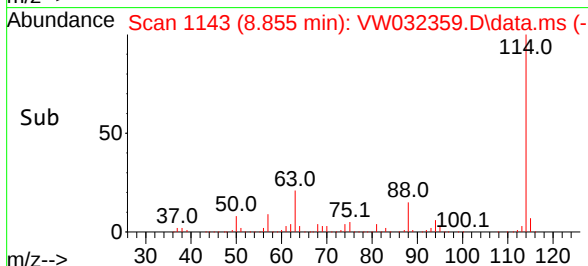
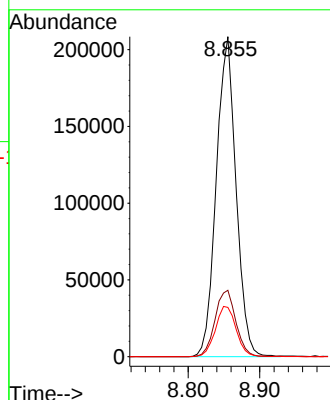
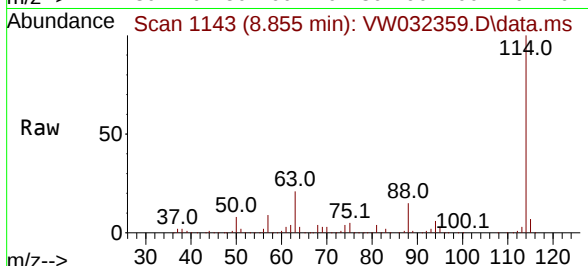




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032359.D
 Acq: 06 Oct 2025 15:10

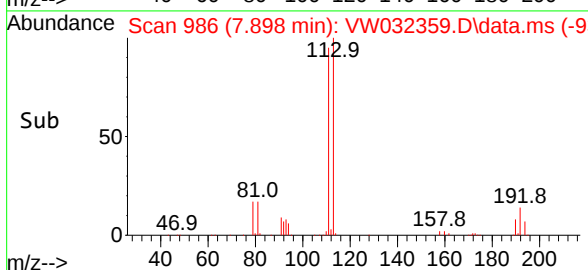
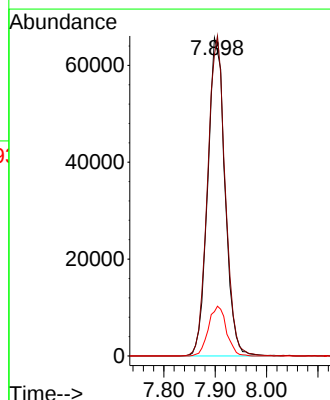
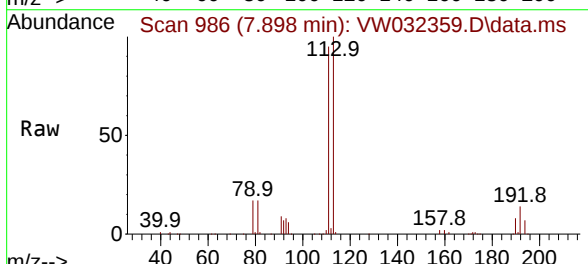
Instrument :
 MSVOA_W
 ClientSampleId :

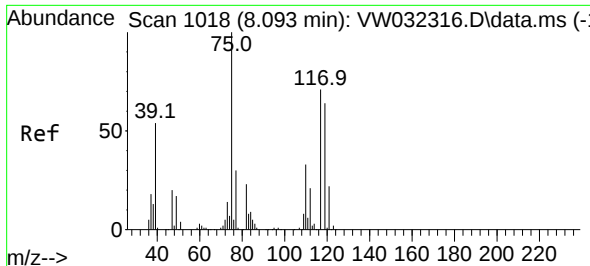
Tgt Ion:	114	Resp:	399638
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.4
88	15.4	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 59.388 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032359.D
 Acq: 06 Oct 2025 15:10

Tgt Ion:	113	Resp:	153703
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.9	125.9
192	16.2	14.6	21.8

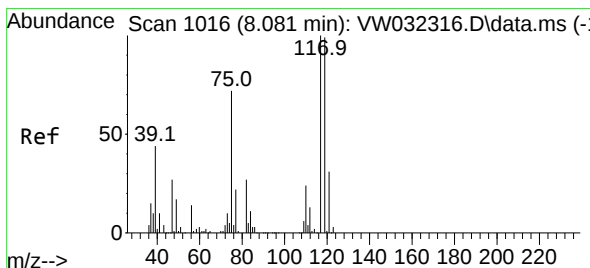
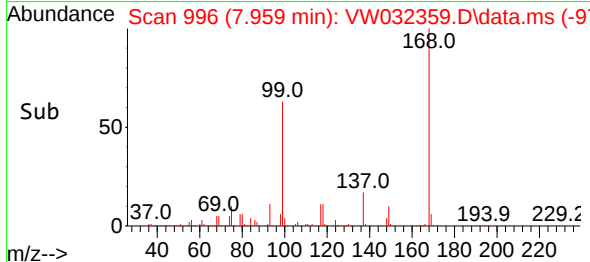
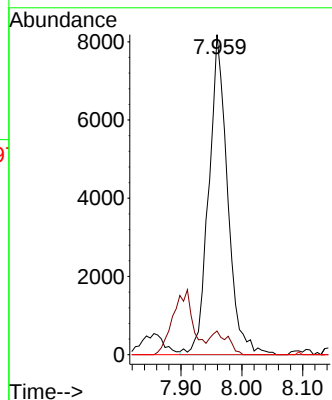
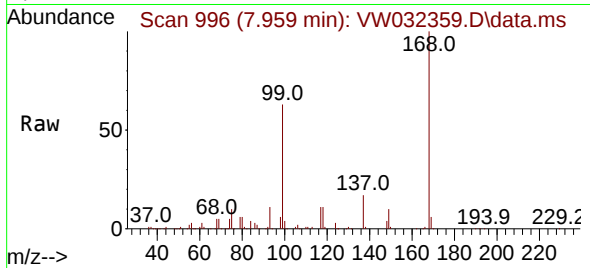




#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

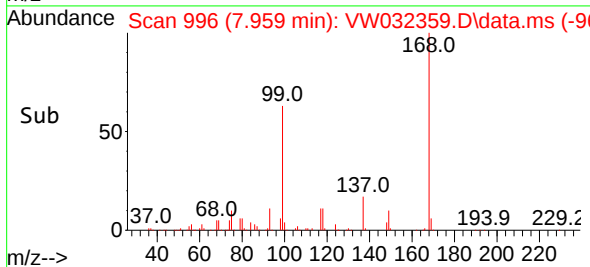
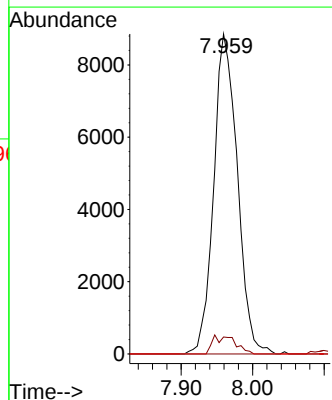
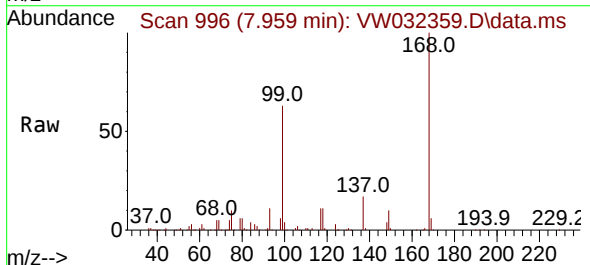
Instrument :
MSVOA_W
ClientSampleId :

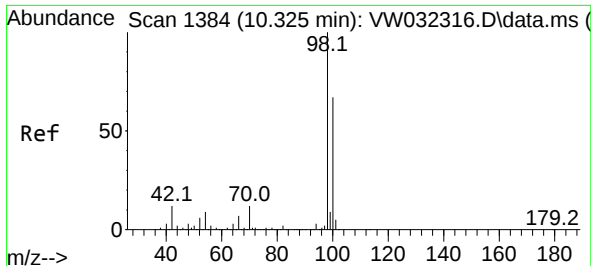
Tgt Ion: 75 Resp: 17567
Ion Ratio Lower Upper
75 100
110 6.9 17.5 52.5#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 117 Resp: 20337
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.2#
121 0.0 25.6 38.4#

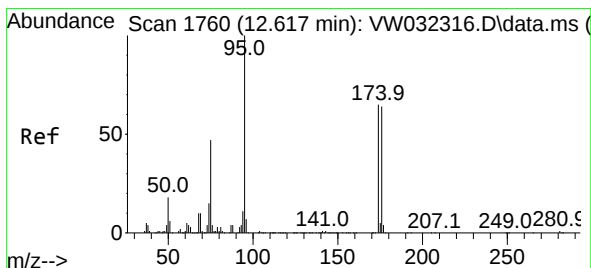
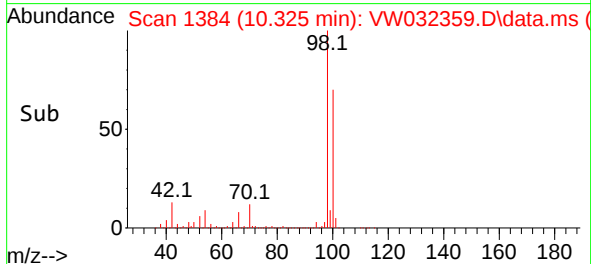
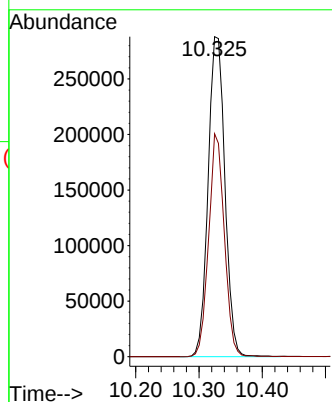
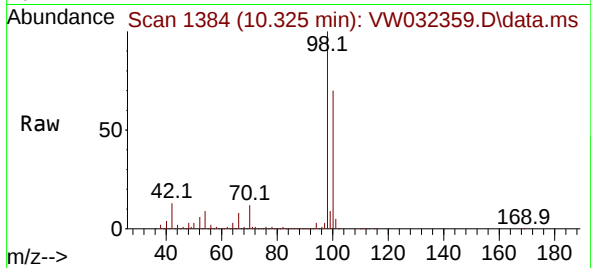




#50
Toluene-d8
Concen: 55.689 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

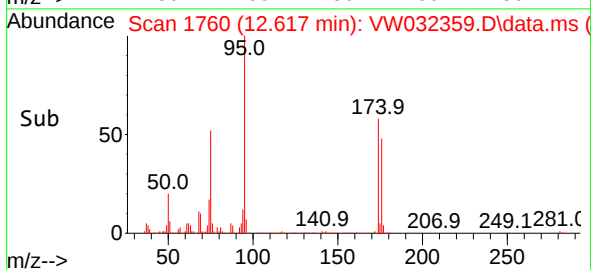
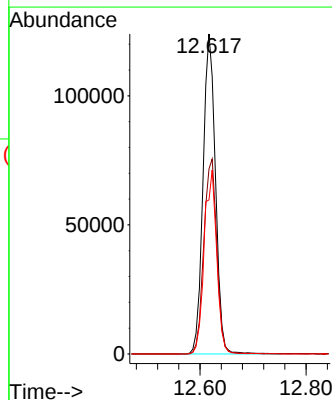
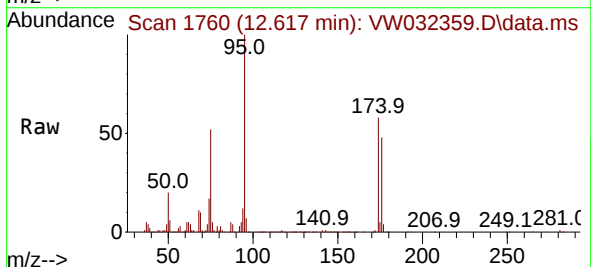
Instrument :
MSVOA_W
ClientSampleId :

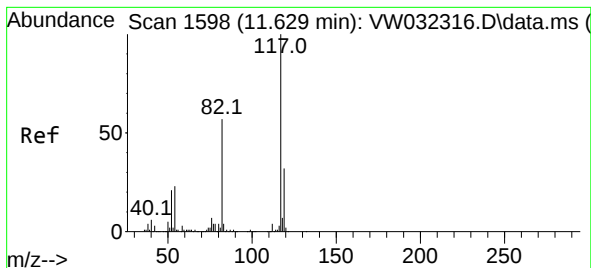
Tgt Ion: 98 Resp: 531948
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.965 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 95 Resp: 202055
Ion Ratio Lower Upper
95 100
174 63.9 0.0 145.6
176 57.5 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032359.D

Acq: 06 Oct 2025 15:10

Instrument :

MSVOA_W

ClientSampleId :

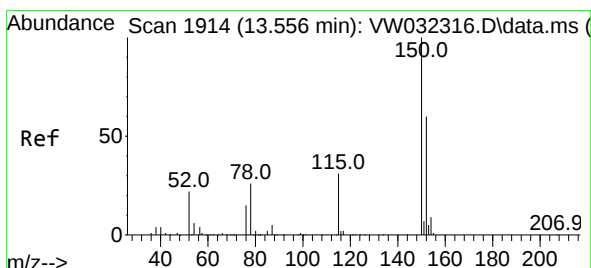
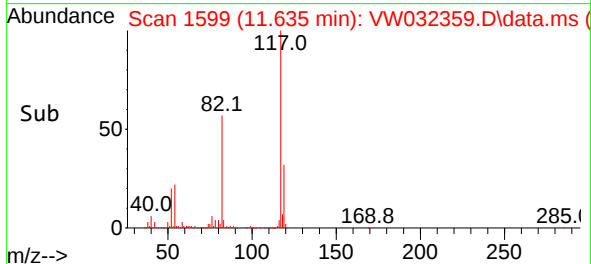
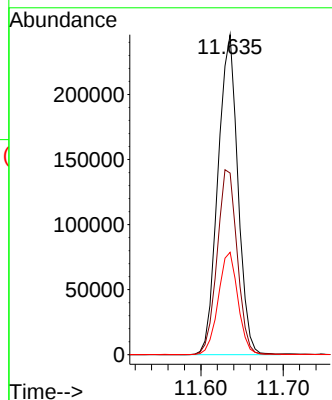
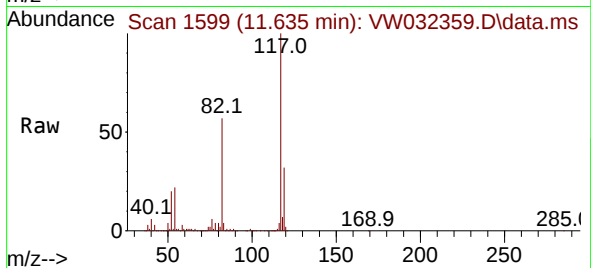
Tgt Ion:117 Resp: 414402

Ion Ratio Lower Upper

117 100

82 56.8 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: VW032359.D

Acq: 06 Oct 2025 15:10

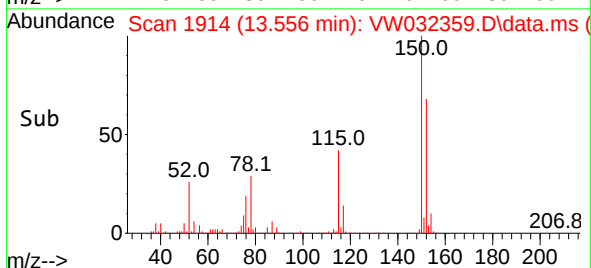
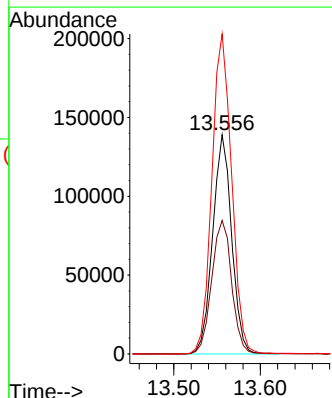
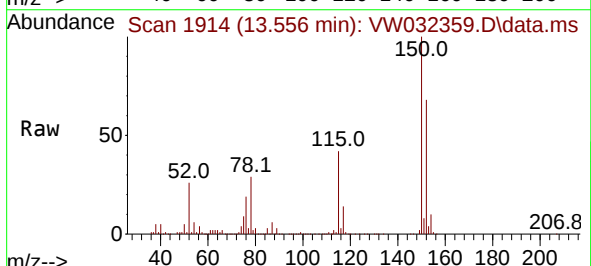
Tgt Ion:152 Resp: 212076

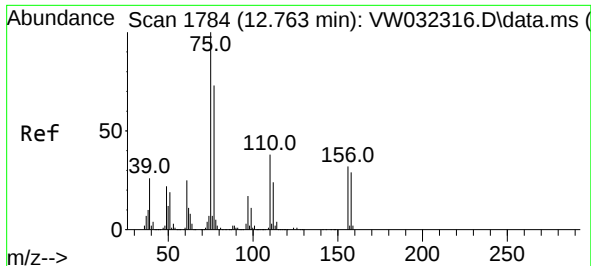
Ion Ratio Lower Upper

152 100

115 64.1 31.8 95.4

150 151.6 0.0 343.0

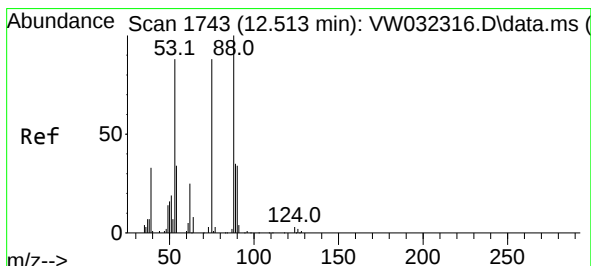
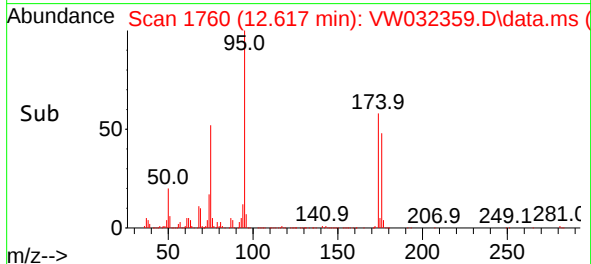
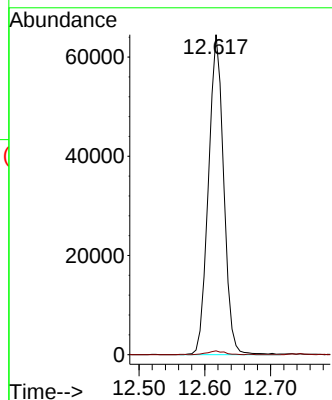
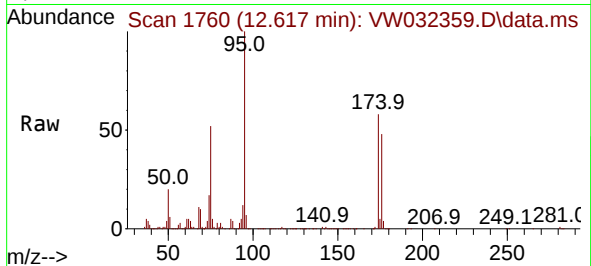




#76
1,2,3-Trichloropropane
Concen: 37.346 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 104226
Ion Ratio Lower Upper
75 100
77 1.3 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.608 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 75 Resp: 104226
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.1 39.4 59.2#

