

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032159.D
 Acq On : 28 Aug 2025 14:47
 Operator : SY/MD
 Sample : Q2971-31
 Misc : 5.20g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP4

Quant Time: Aug 29 01:20:06 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)

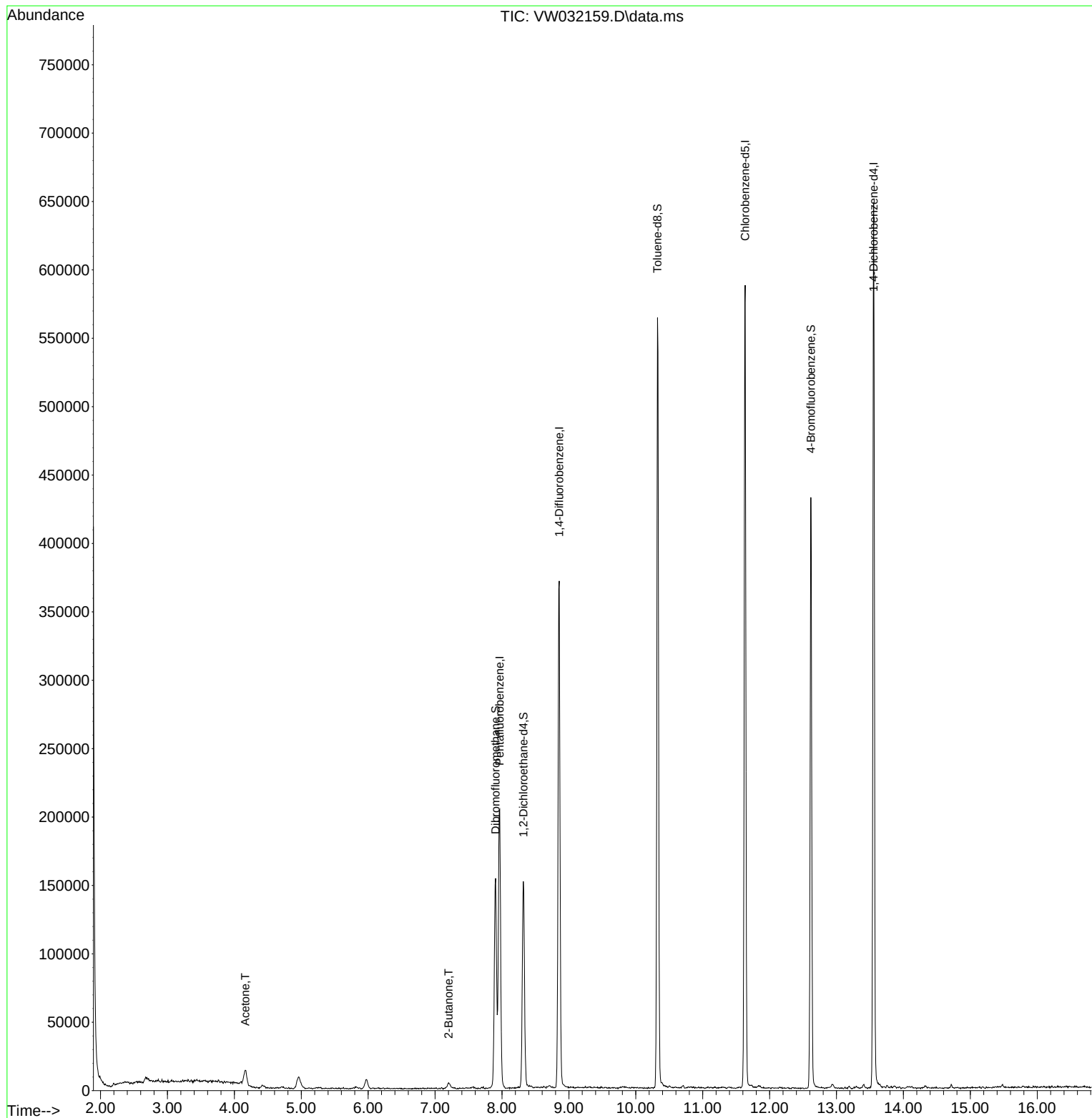
Internal Standards						
1) Pentafluorobenzene	7.965	168	140887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	314677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	164084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127288	63.174	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	126.340%
35) Dibromofluoromethane	7.904	113	108028	49.995	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.980%
50) Toluene-d8	10.324	98	364867	48.101	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.617	95	139525	49.743	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.480%
Target Compounds						
						Qvalue
16) Acetone	4.161	43	17003	38.965	ug/l #	88
25) 2-Butanone	7.203	43	6588	10.654	ug/l #	88

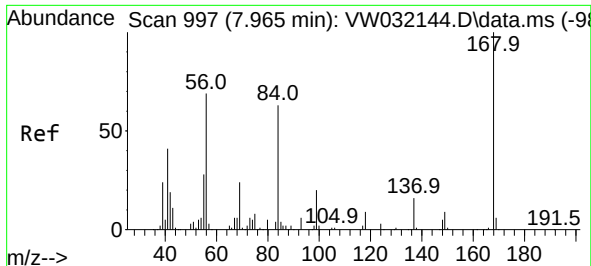
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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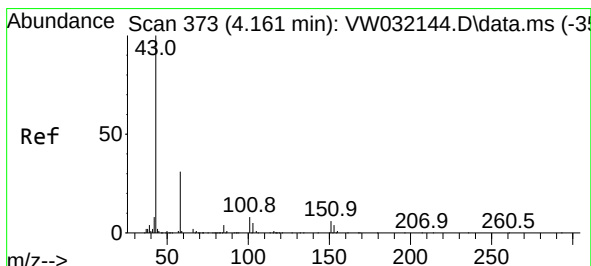
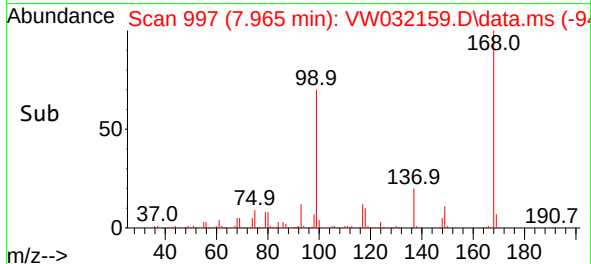
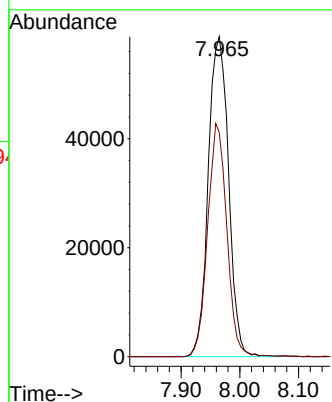
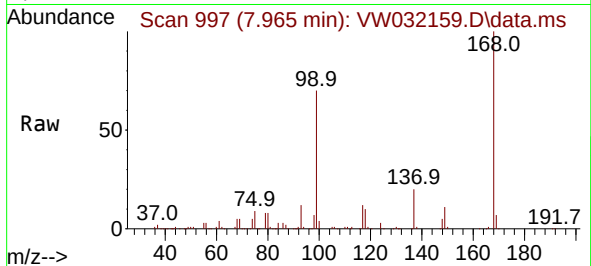




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

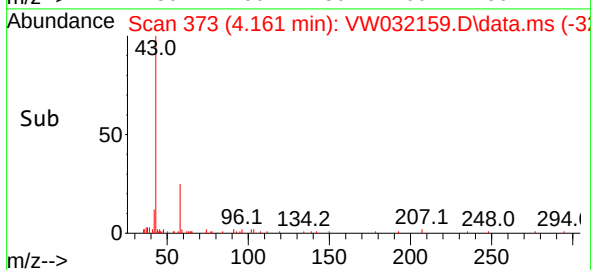
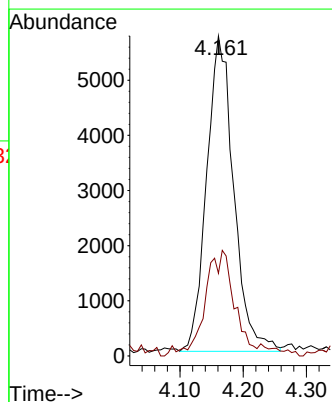
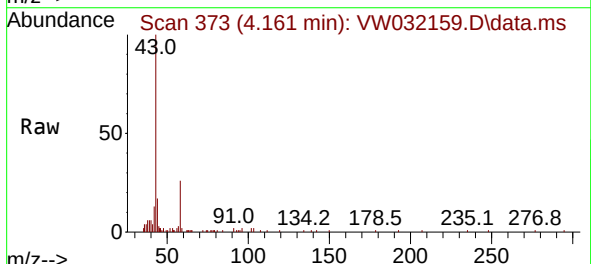
Instrument :
MSVOA_W
ClientSampleId :
TP4

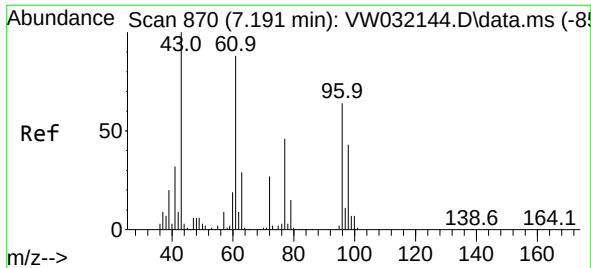
Tgt Ion:168 Resp: 140887
Ion Ratio Lower Upper
168 100
99 70.2 49.3 73.9



#16
Acetone
Concen: 38.965 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 43 Resp: 17003
Ion Ratio Lower Upper
43 100
58 24.7 25.3 37.9

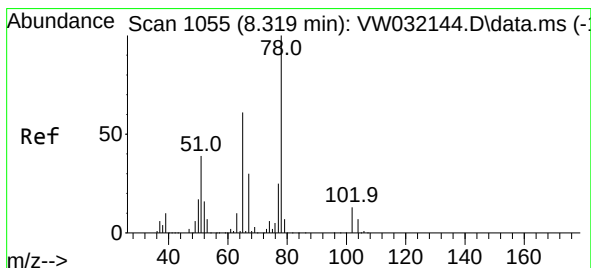
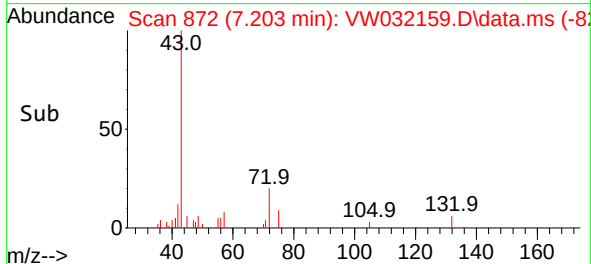
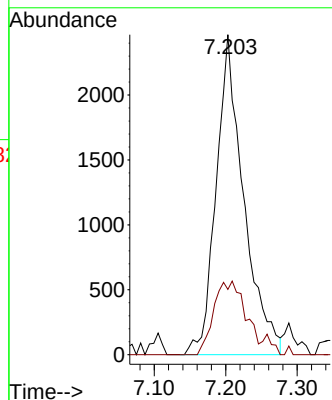
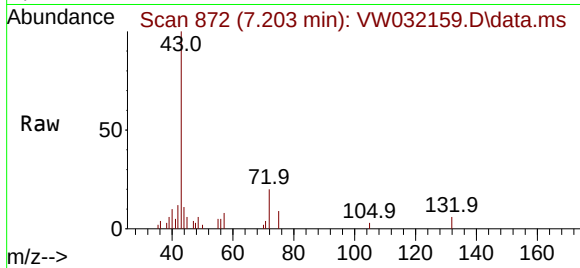




#25
2-Butanone
Concen: 10.654 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

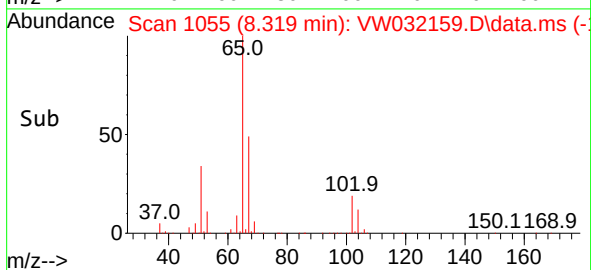
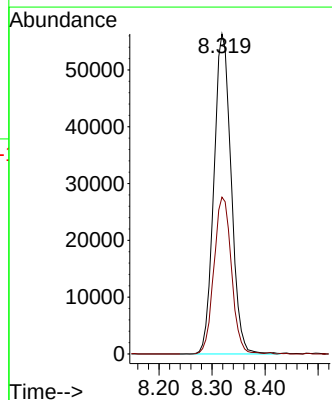
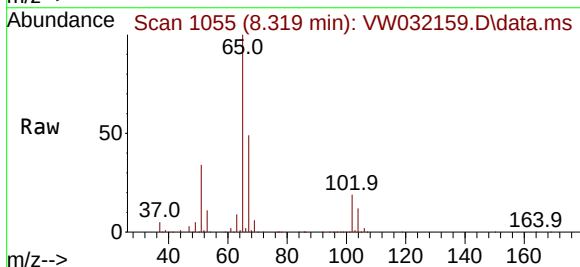
Instrument :
MSVOA_W
ClientSampleId :
TP4

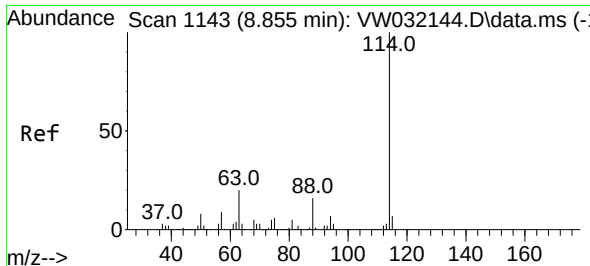
Tgt Ion: 43 Resp: 6588
Ion Ratio Lower Upper
43 100
72 20.4 21.4 32.2#



#33
1,2-Dichloroethane-d4
Concen: 63.174 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 65 Resp: 127288
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.6

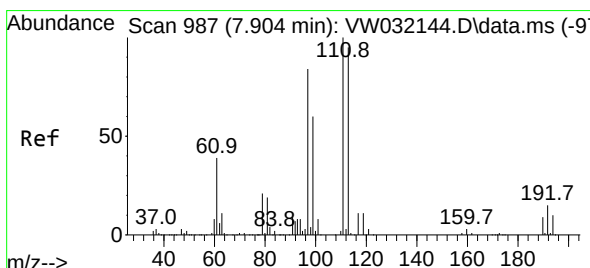
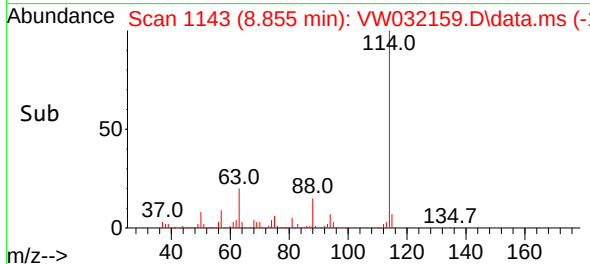
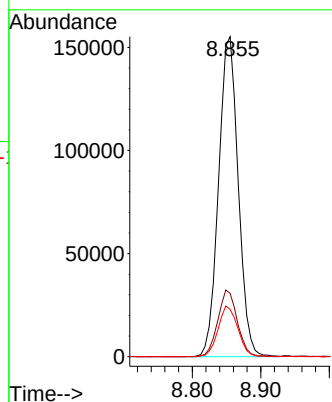
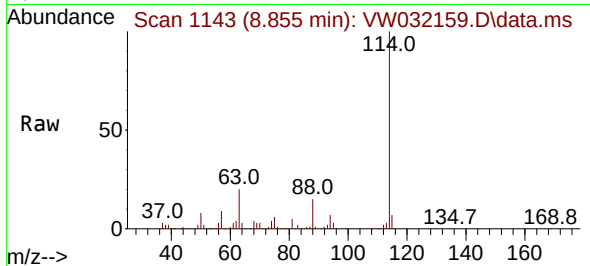




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

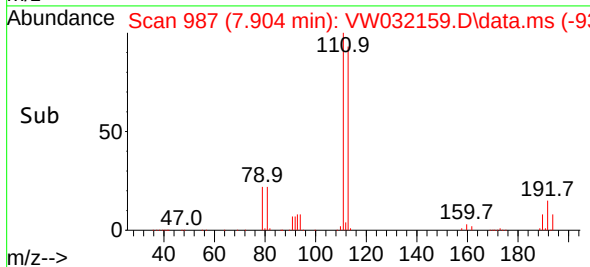
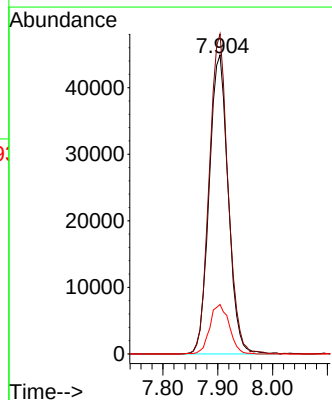
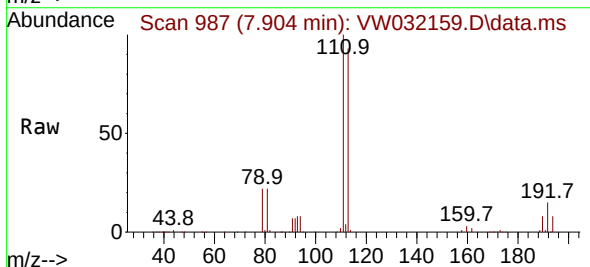
Instrument :
MSVOA_W
ClientSampleId :
TP4

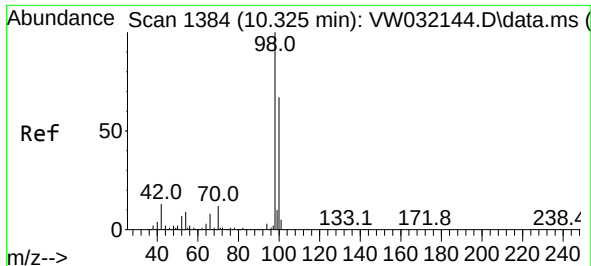
Tgt Ion:114 Resp: 307982
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.4
88 14.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.995 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Tgt Ion:113 Resp: 108028
Ion Ratio Lower Upper
113 100
111 105.7 83.9 125.9
192 16.9 14.6 21.8

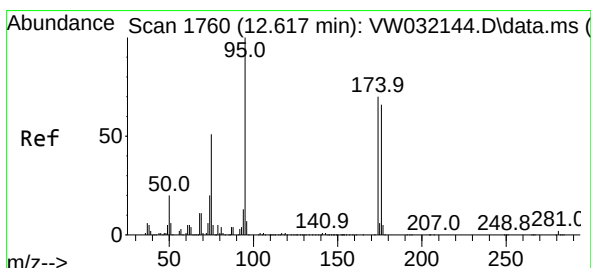
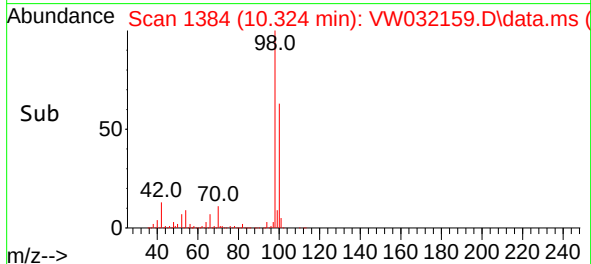
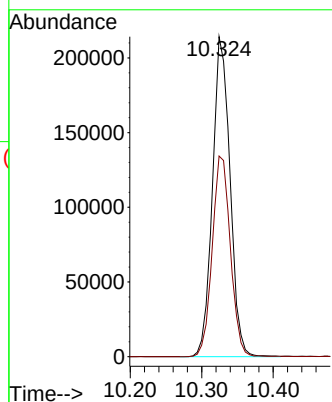
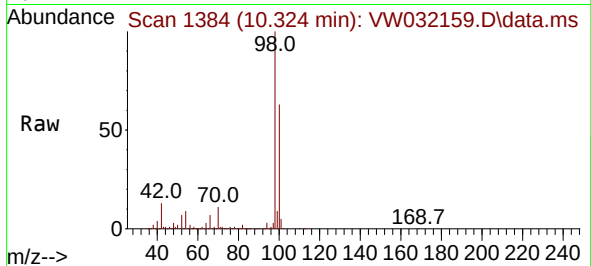




#50
Toluene-d8
Concen: 48.101 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

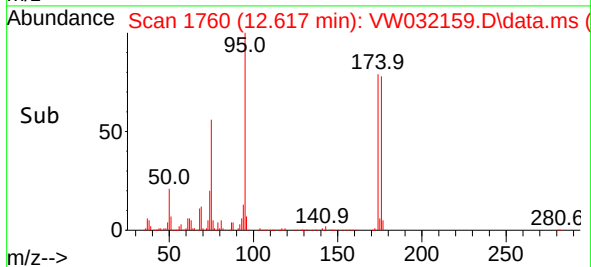
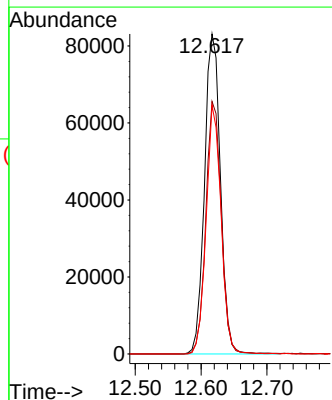
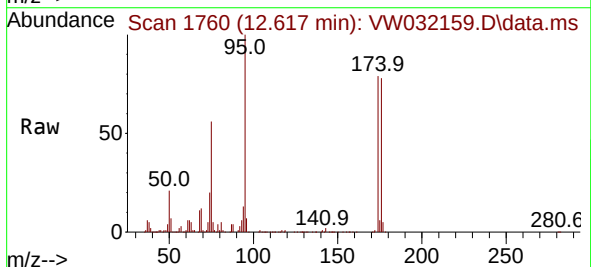
Instrument :
MSVOA_W
ClientSampleId :
TP4

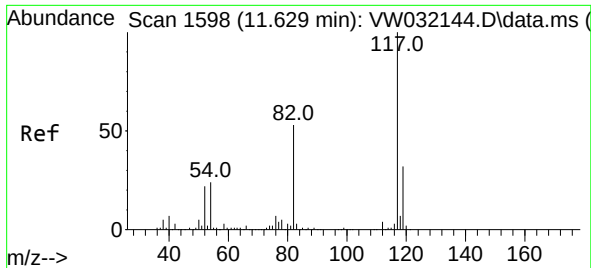
Tgt Ion: 98 Resp: 364867
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.743 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 95 Resp: 139525
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.6
176 73.2 0.0 140.8

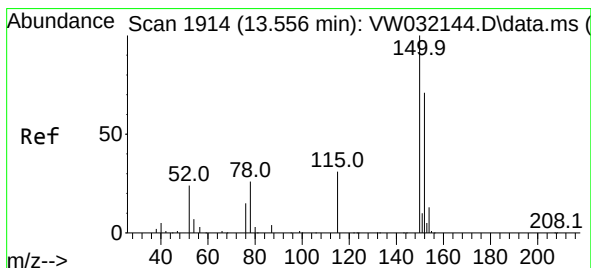
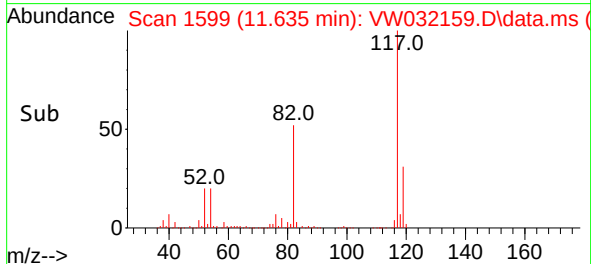
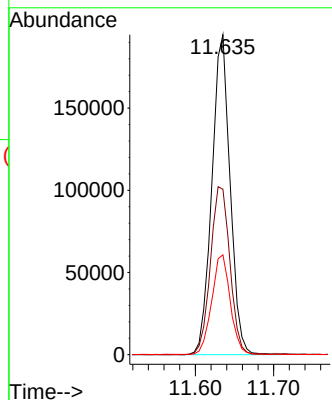
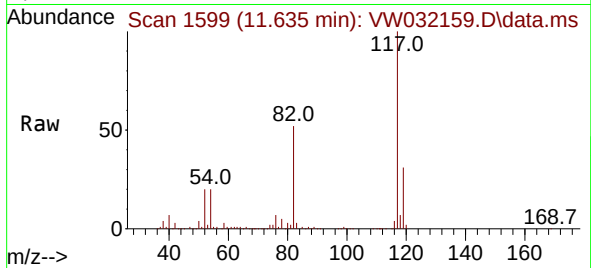




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
TP4

Tgt Ion:117 Resp: 314677
Ion Ratio Lower Upper
117 100
82 51.7 42.7 64.1
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032159.D
Acq: 28 Aug 2025 14:47

Tgt Ion:152 Resp: 164084
Ion Ratio Lower Upper
152 100
115 59.9 31.8 95.4
150 156.0 0.0 343.0

