

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
 Data File : VW032319.D
 Acq On : 01 Oct 2025 15:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Oct 02 21:25:16 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	197002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	409060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196230	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168382	58.600	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.200%
35) Dibromofluoromethane	7.898	113	141340	53.098	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.200%
50) Toluene-d8	10.325	98	516025	52.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.060%
62) 4-Bromofluorobenzene	12.617	95	184468	49.678	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.360%

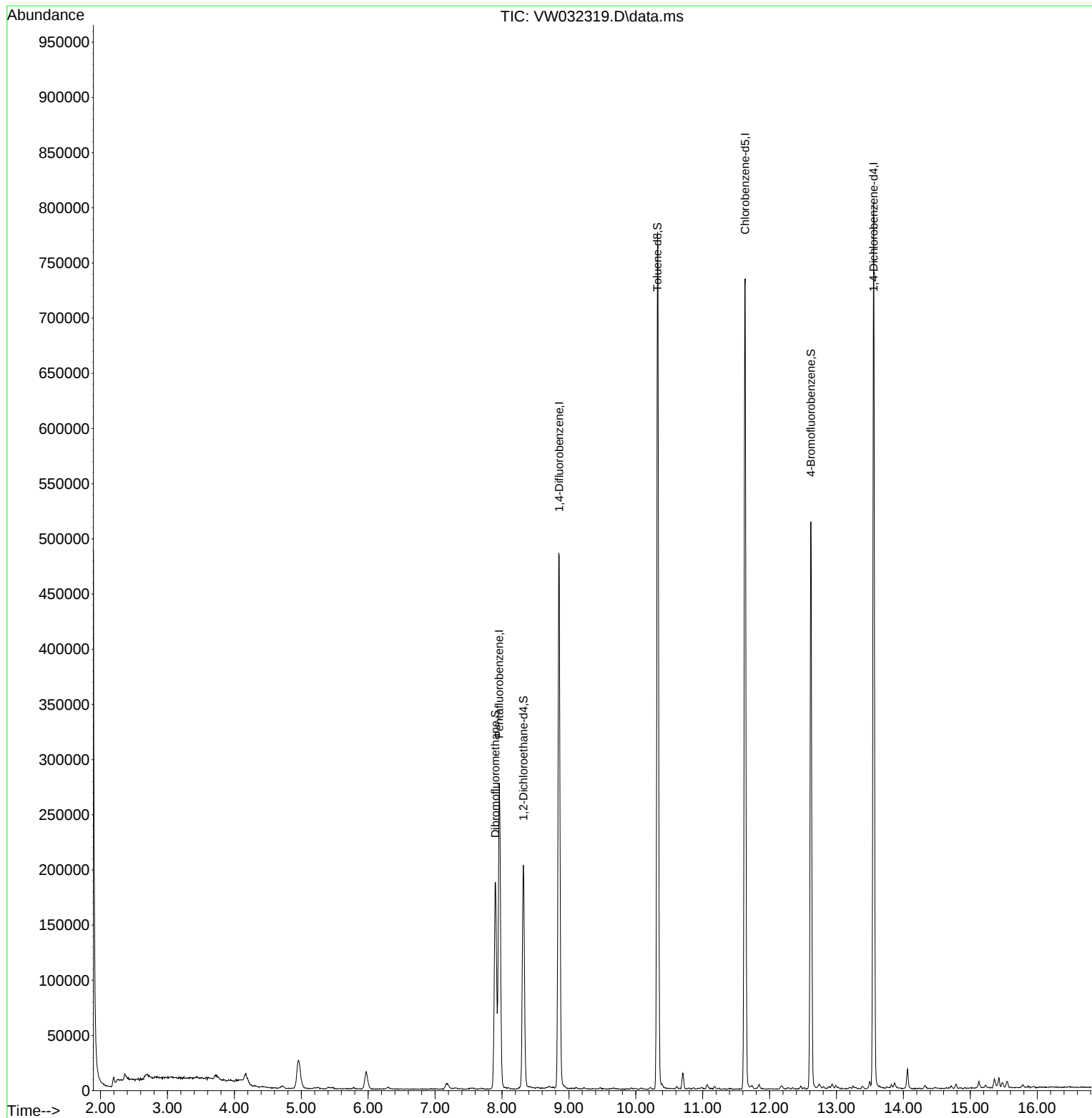
Target Compounds	Qvalue

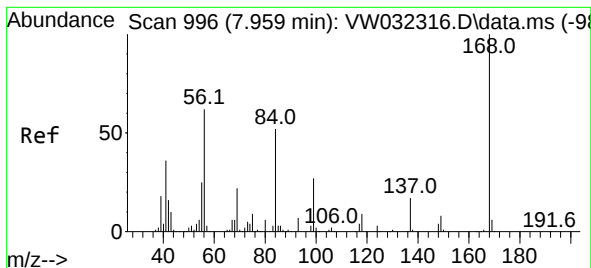
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW032319.D

Acq: 01 Oct 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

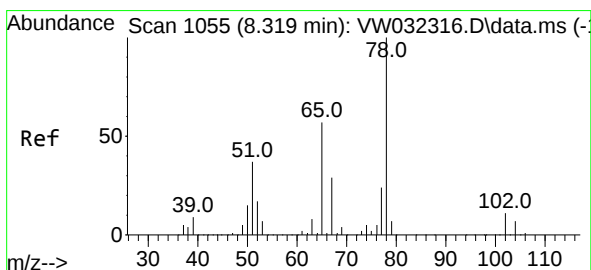
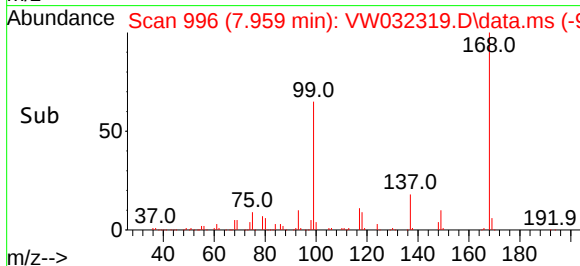
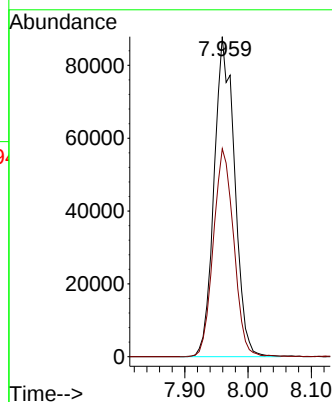
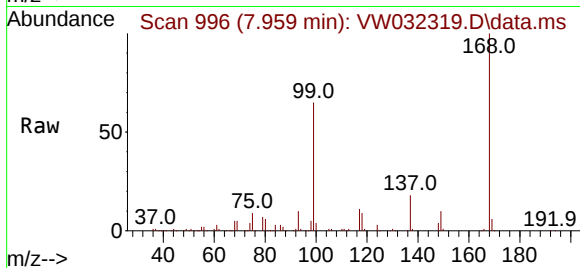
VIBLK

Tgt Ion:168 Resp: 197002

Ion Ratio Lower Upper

168 100

99 65.0 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 58.600 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032319.D

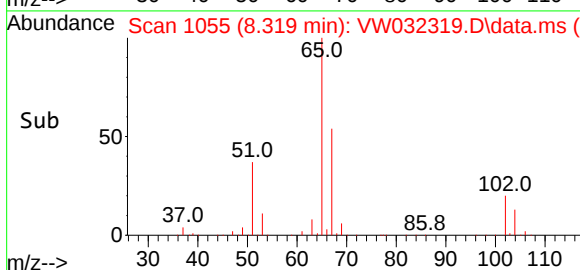
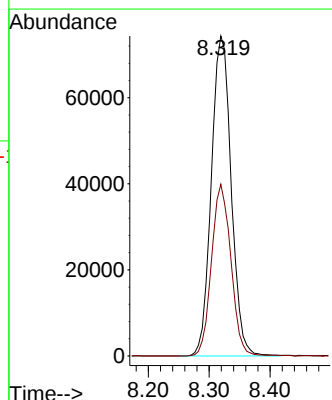
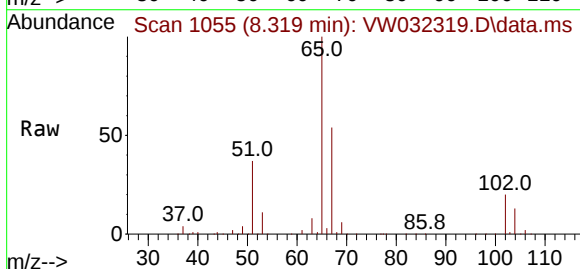
Acq: 01 Oct 2025 15:42

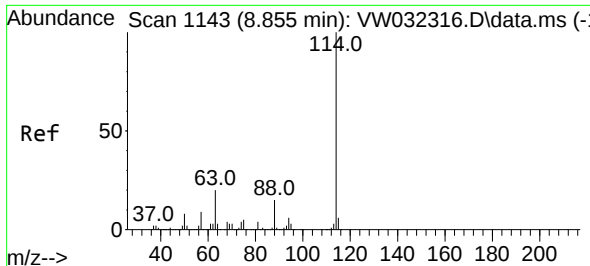
Tgt Ion: 65 Resp: 168382

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.6

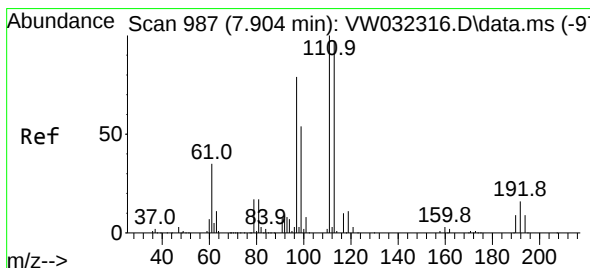
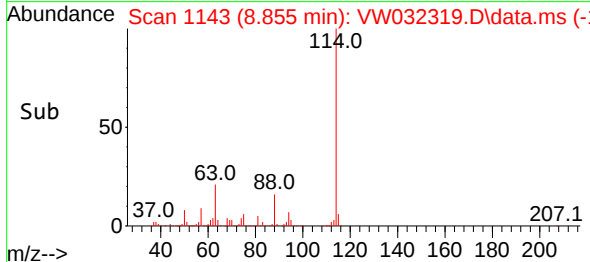
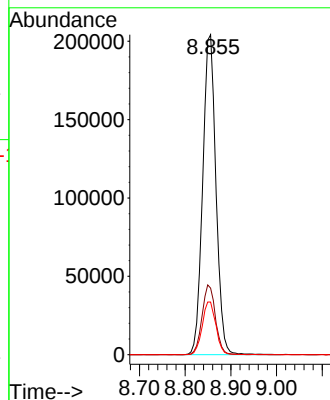
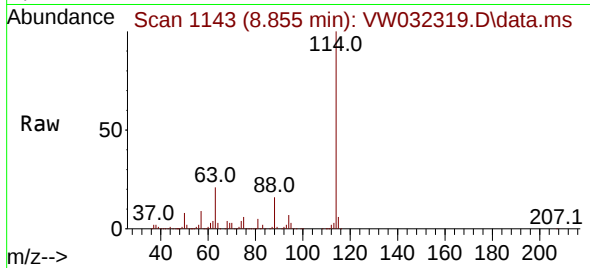




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032319.D
Acq: 01 Oct 2025 15:42

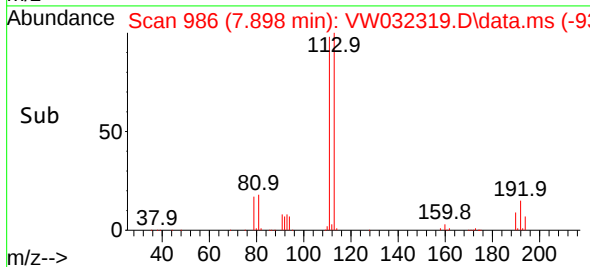
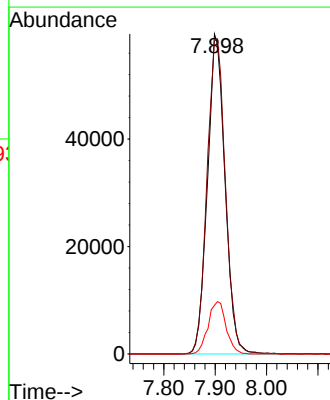
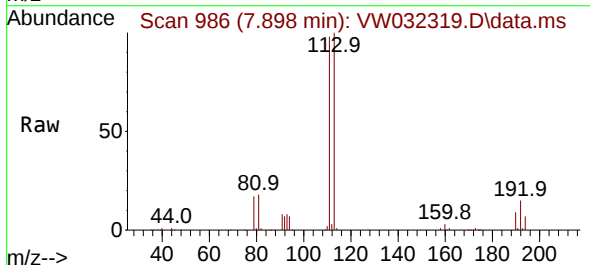
Instrument :
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VIBLK

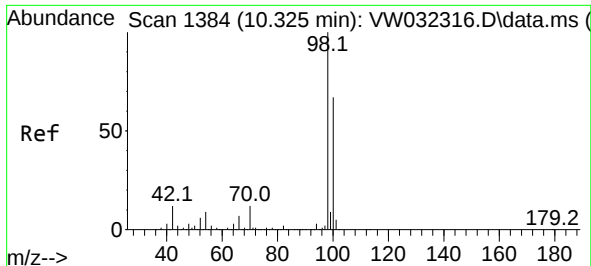
Tgt Ion:114 Resp: 411026
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 16.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.098 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032319.D
Acq: 01 Oct 2025 15:42

Tgt Ion:113 Resp: 141340
Ion Ratio Lower Upper
113 100
111 102.8 83.9 125.9
192 16.8 14.6 21.8

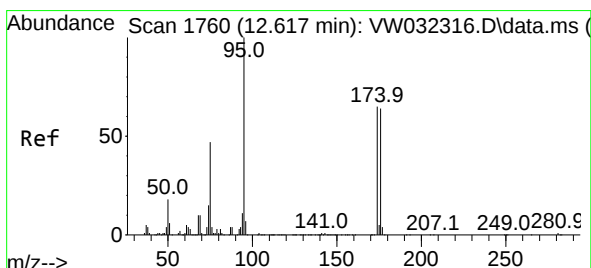
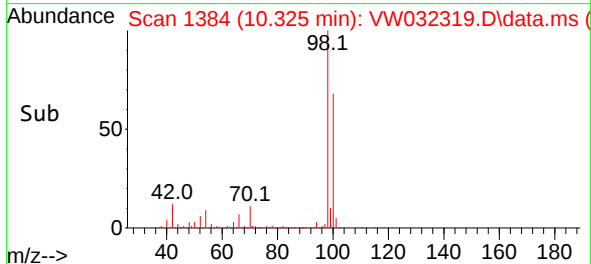
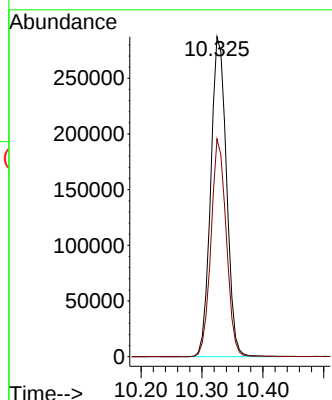
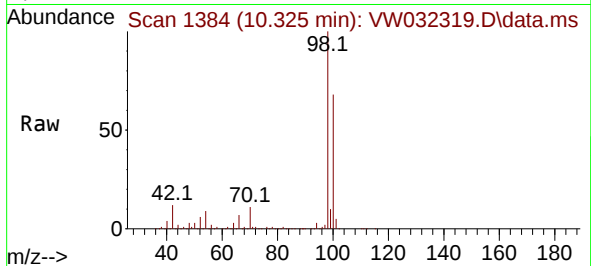




#50
Toluene-d8
Concen: 52.525 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032319.D
Acq: 01 Oct 2025 15:42

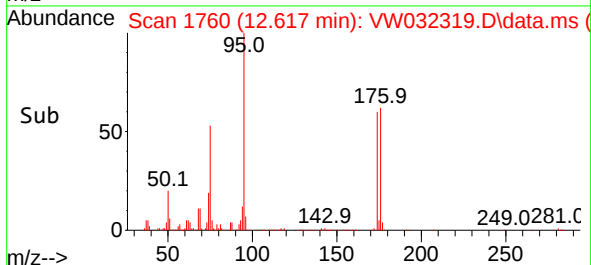
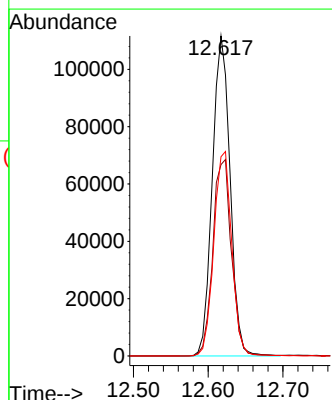
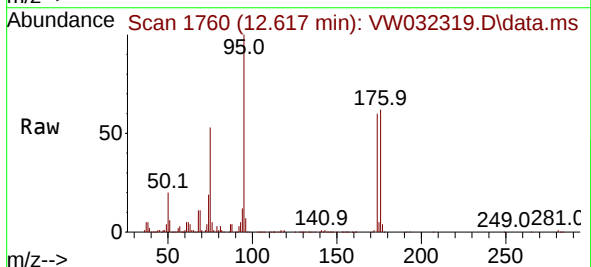
Instrument :
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VIBLK

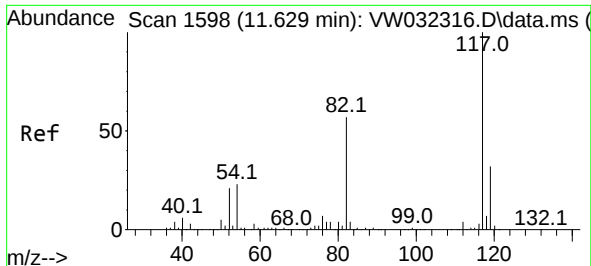
Tgt Ion: 98 Resp: 516025
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.678 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032319.D
Acq: 01 Oct 2025 15:42

Tgt Ion: 95 Resp: 184468
Ion Ratio Lower Upper
95 100
174 64.5 0.0 145.6
176 64.7 0.0 140.8

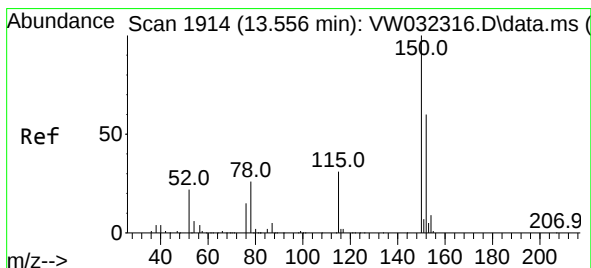
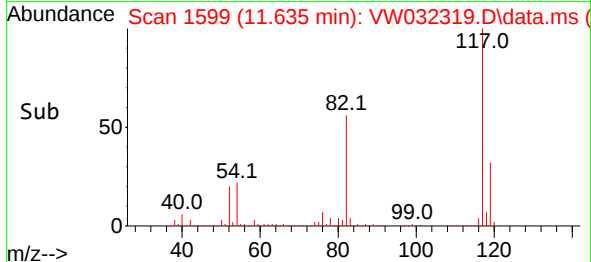
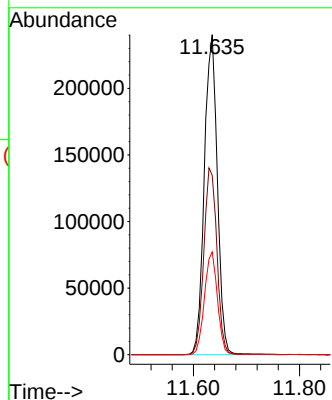
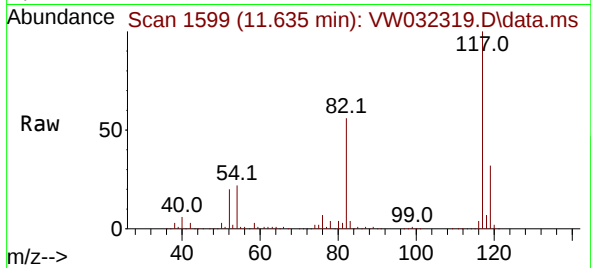




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032319.D
Acq: 01 Oct 2025 15:42

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 409060
Ion Ratio Lower Upper
117 100
82 56.1 42.7 64.1
119 32.1 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: VW032319.D
Acq: 01 Oct 2025 15:42

Tgt Ion:152 Resp: 196230
Ion Ratio Lower Upper
152 100
115 64.9 31.8 95.4
150 158.7 0.0 343.0

