

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032119.D
 Acq On : 22 Aug 2025 18:18
 Operator : SY/MD
 Sample : Q2947-01
 Misc : 5.13g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 291

Quant Time: Aug 25 04:01:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	173064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	325856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	328003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164497	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120339	48.078	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.160%
35) Dibromofluoromethane	7.898	113	109431	51.982	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.960%
50) Toluene-d8	10.331	98	382586	49.136	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.617	95	145828	50.822	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.640%

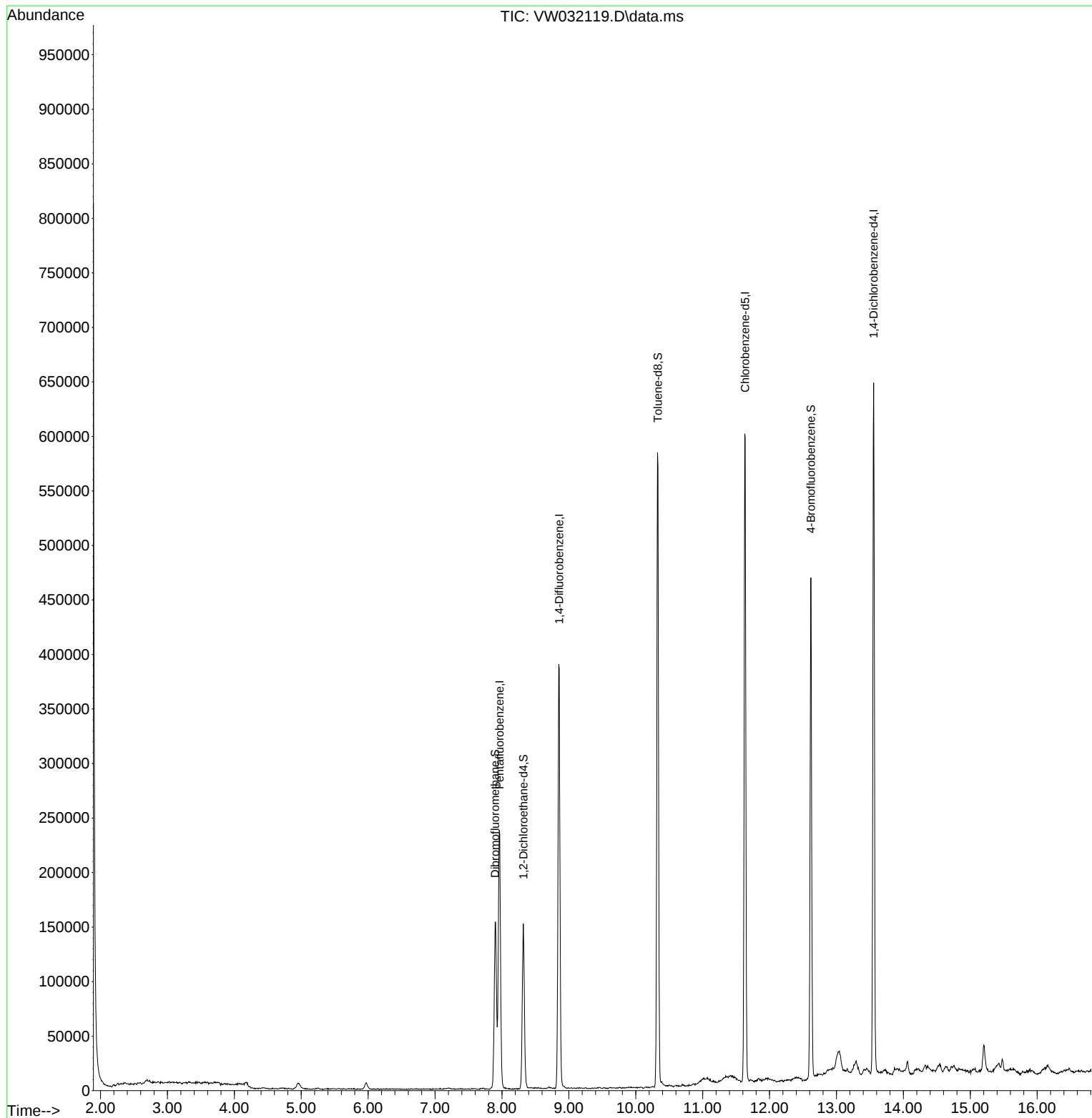
Target Compounds	Qvalue

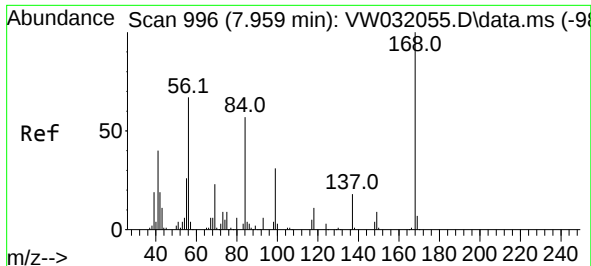
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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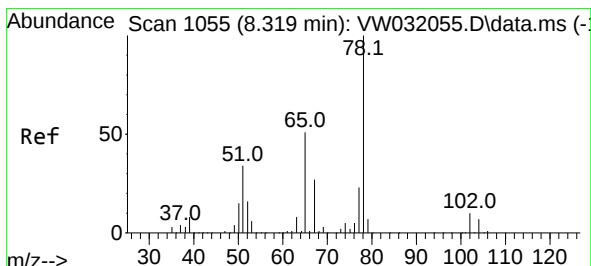
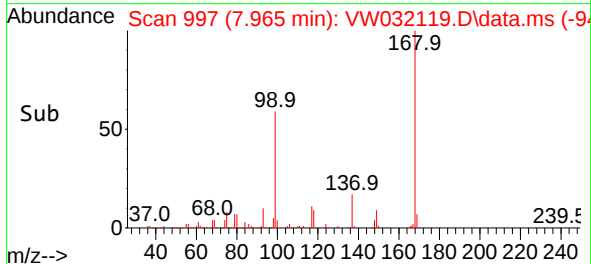
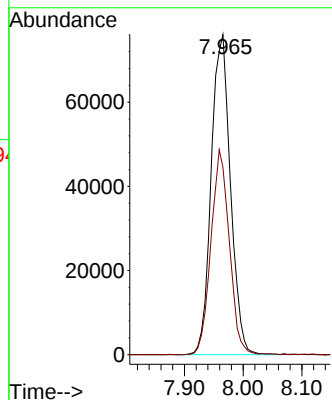
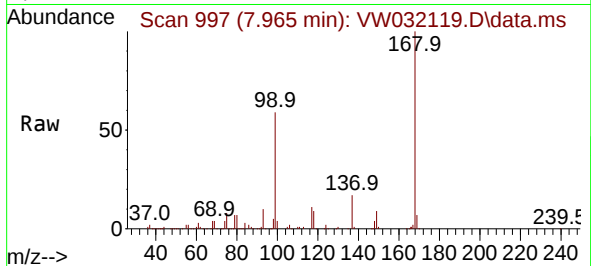




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

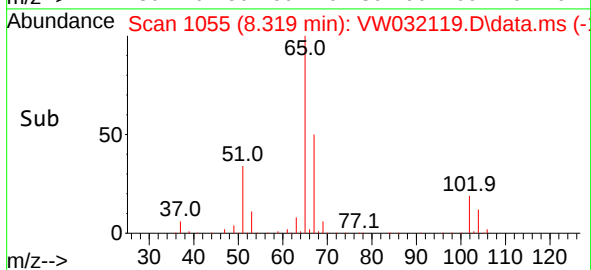
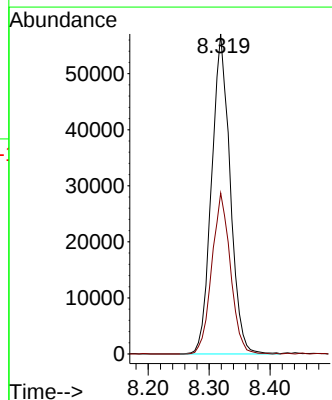
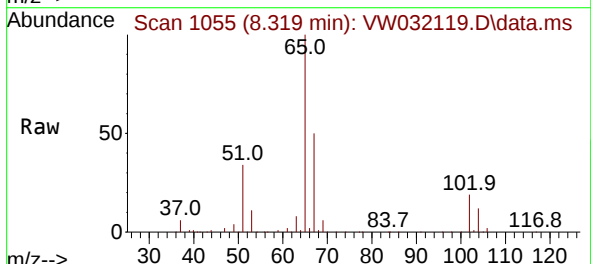
Instrument :
MSVOA_W
ClientSampleId :
291

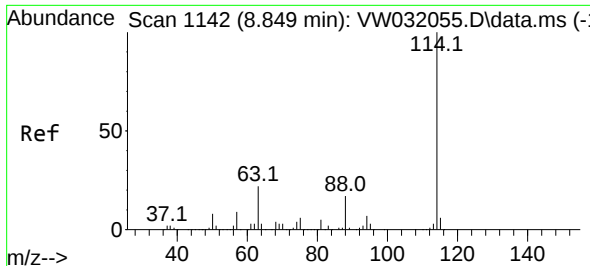
Tgt Ion:168 Resp: 173064
Ion Ratio Lower Upper
168 100
99 58.5 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 48.078 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion: 65 Resp: 120339
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.4

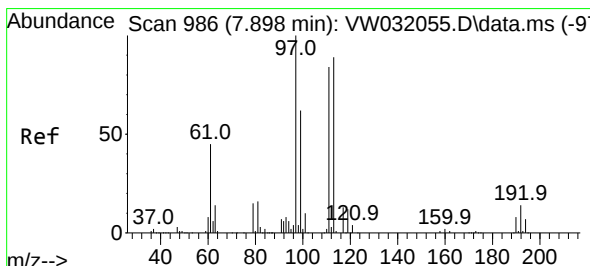
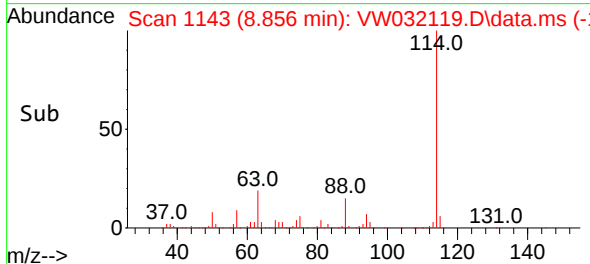
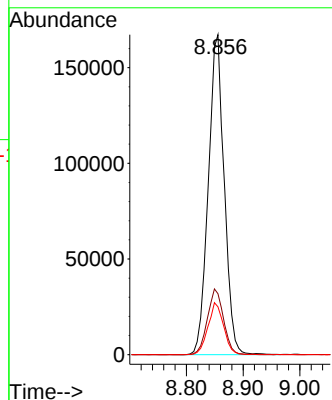
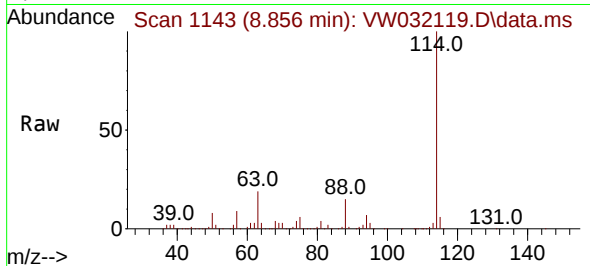




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032119.D
 Acq: 22 Aug 2025 18:18

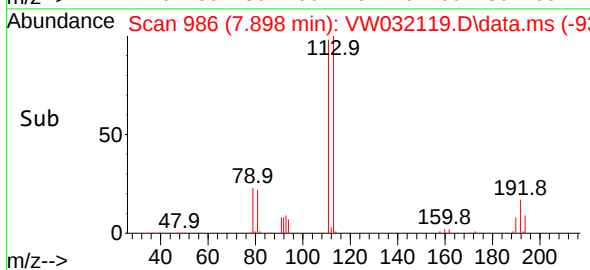
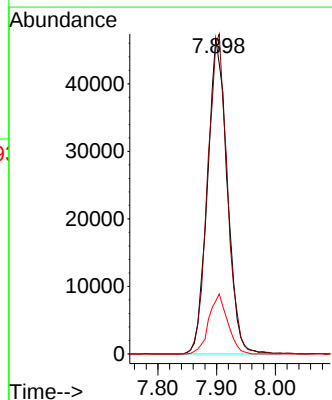
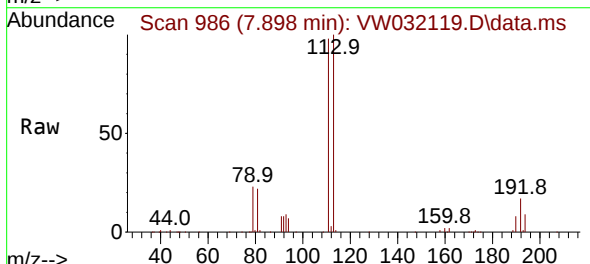
Instrument :
 MSVOA_W
 ClientSampleId :
 291

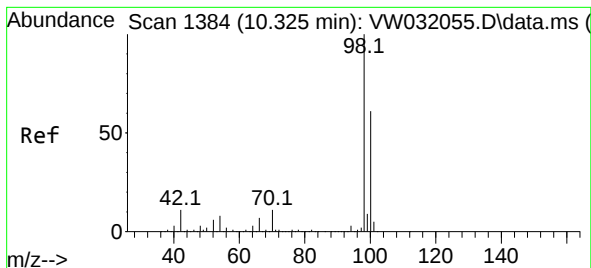
Tgt Ion:	114	Resp:	325856
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	43.0
88	14.9	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 51.982 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032119.D
 Acq: 22 Aug 2025 18:18

Tgt Ion:	113	Resp:	109431
Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.1	120.1
192	18.1	13.1	19.7





#50

Toluene-d8

Concen: 49.136 ug/l

RT: 10.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032119.D

Acq: 22 Aug 2025 18:18

Instrument :

MSVOA_W

ClientSampleId :

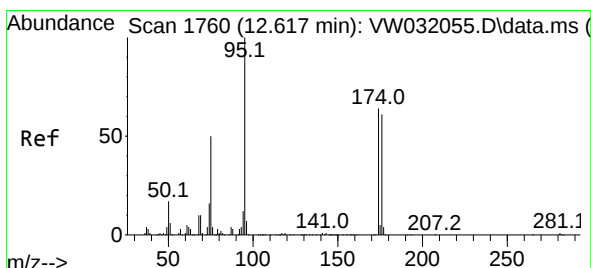
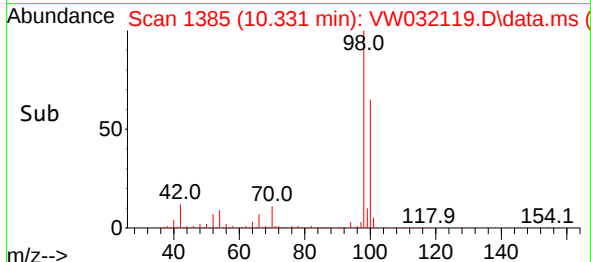
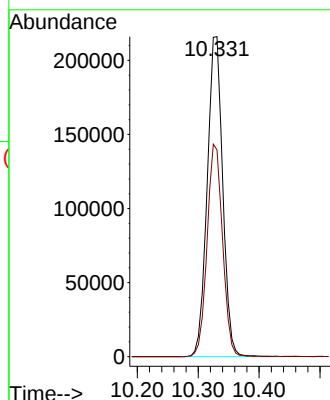
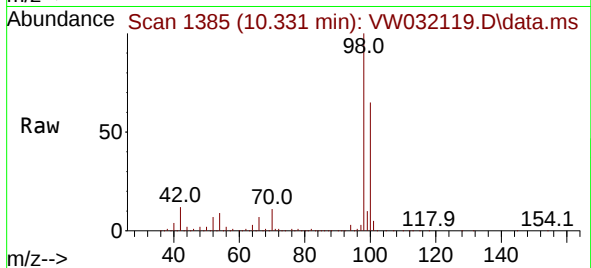
291

Tgt Ion: 98 Resp: 382586

Ion Ratio Lower Upper

98 100

100 66.1 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 50.822 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032119.D

Acq: 22 Aug 2025 18:18

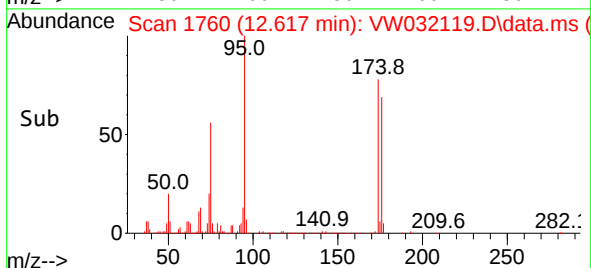
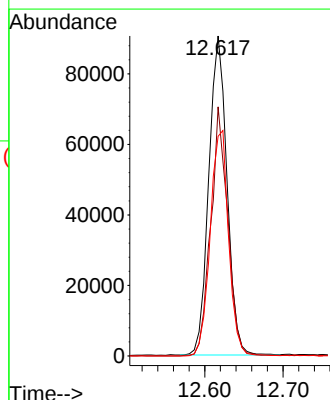
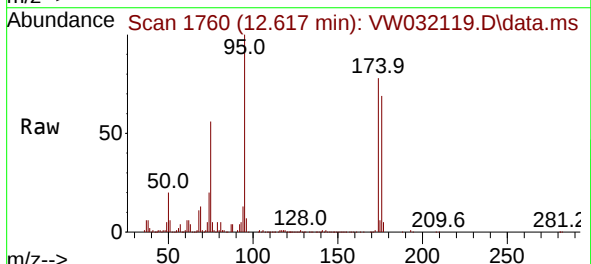
Tgt Ion: 95 Resp: 145828

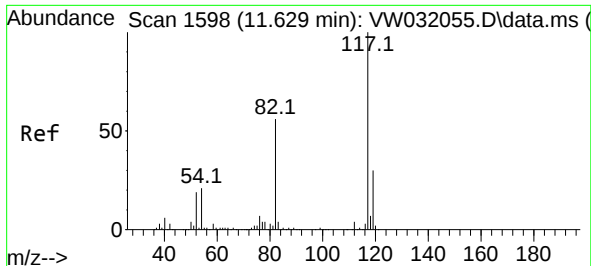
Ion Ratio Lower Upper

95 100

174 73.8 0.0 129.0

176 71.6 0.0 124.6

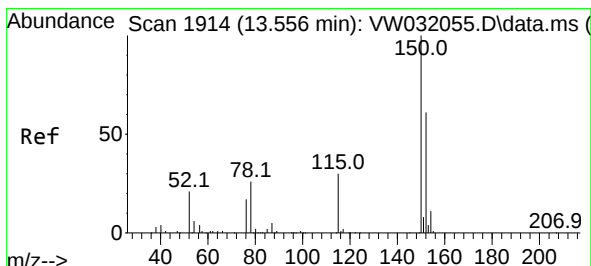
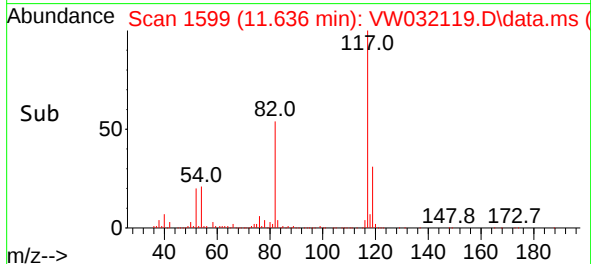
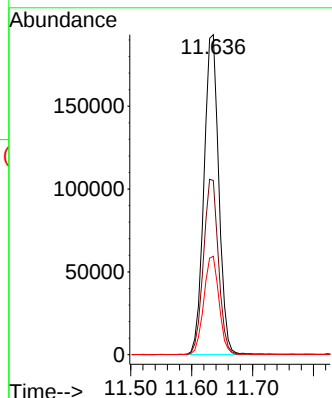
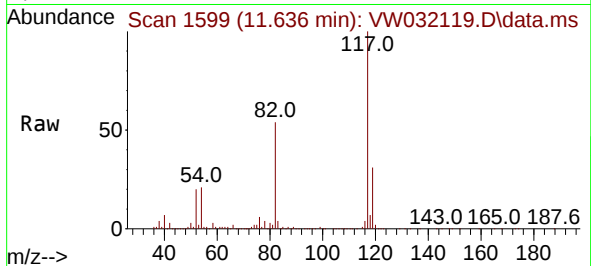




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Instrument :
MSVOA_W
ClientSampleId :
291

Tgt Ion:117 Resp: 328003
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 30.7 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion:152 Resp: 164497
Ion Ratio Lower Upper
152 100
115 61.9 32.6 97.8
150 158.8 0.0 359.4

