

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032447.D
 Acq On : 17 Nov 2025 10:59
 Operator : SY/MD
 Sample : VW1117SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1117SBL01

Quant Time: Nov 18 03:01:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	216459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	512667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	543550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	253481	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	180936	64.836	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	129.680%
35) Dibromofluoromethane	7.898	113	169049	55.075	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.140%
50) Toluene-d8	10.325	98	620130	52.663	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.320%
62) 4-Bromofluorobenzene	12.617	95	229486	51.590	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.180%

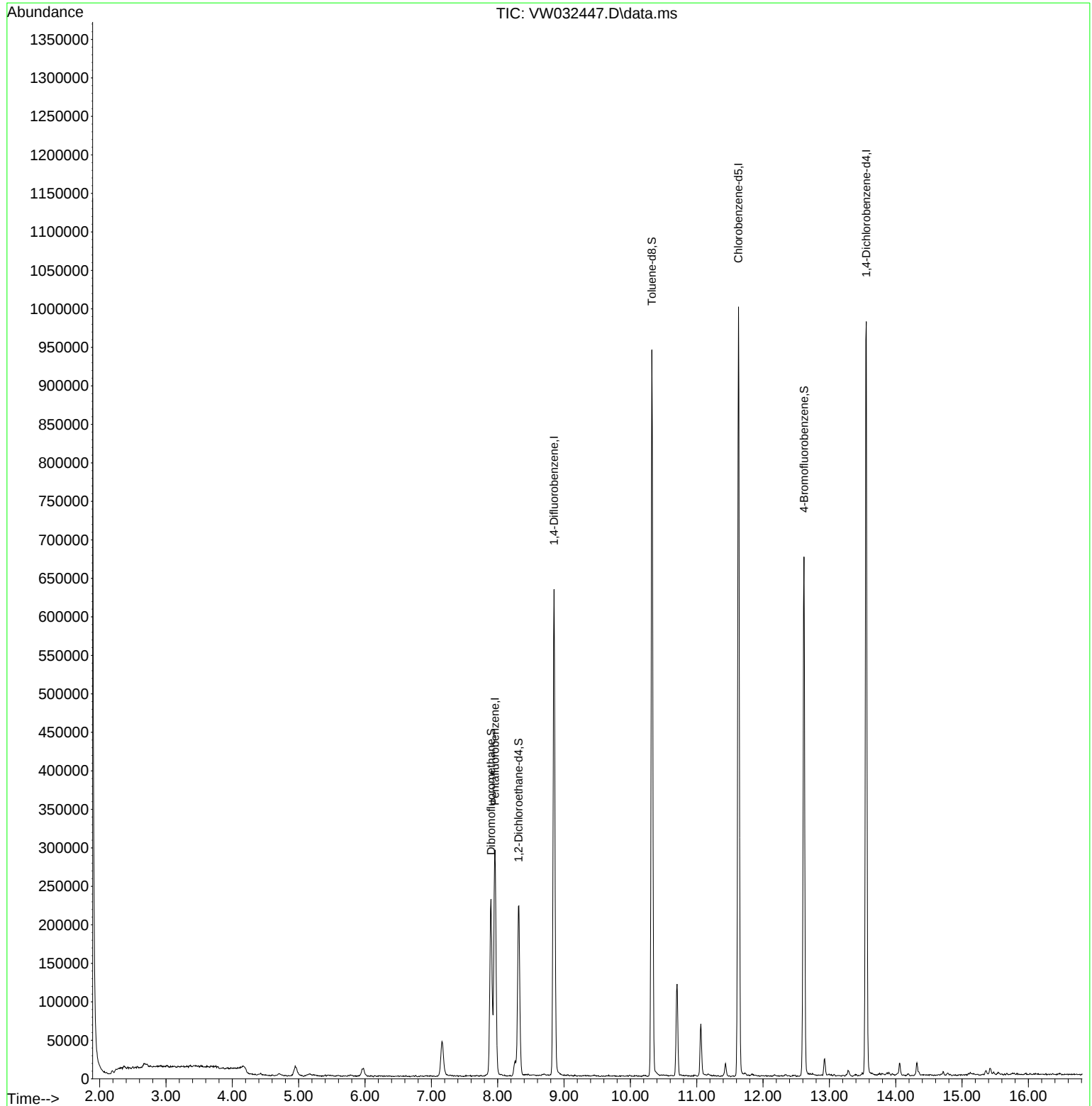
Target Compounds	Qvalue

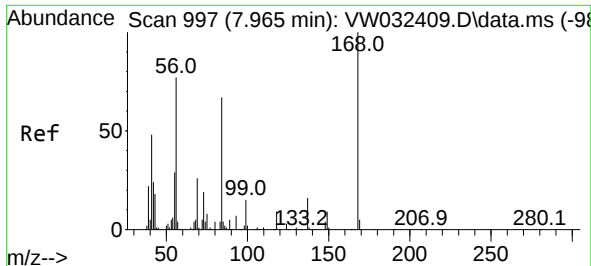
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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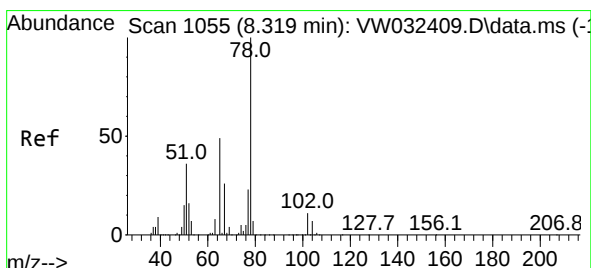
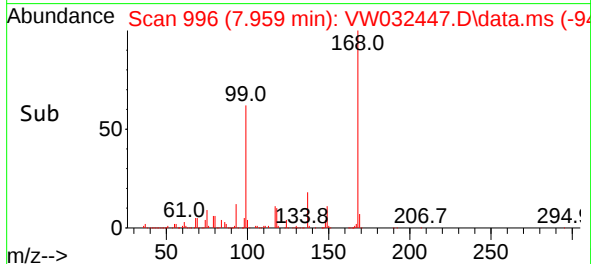
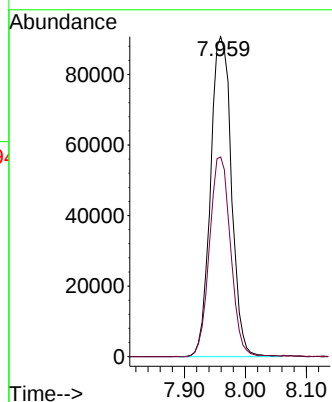
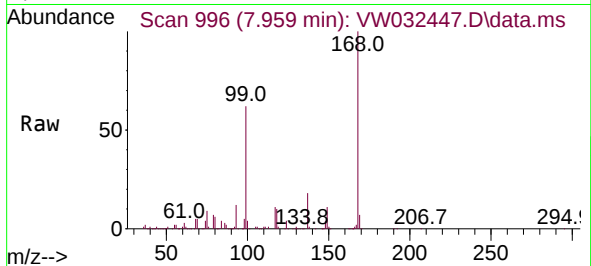




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

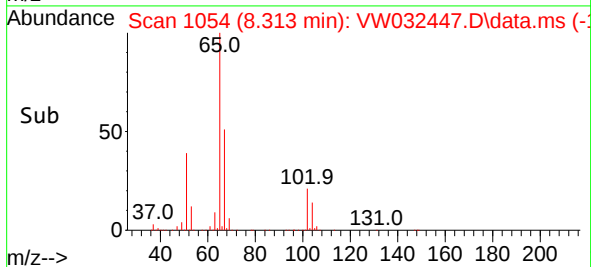
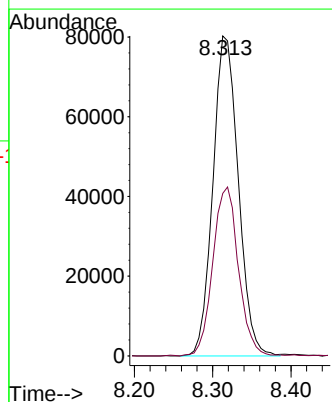
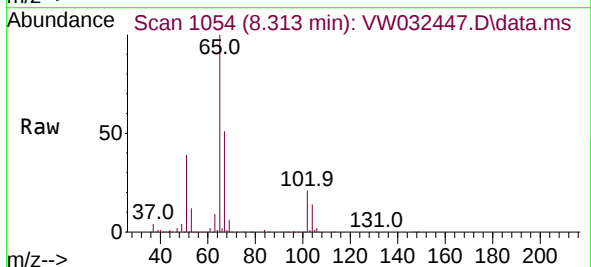
Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

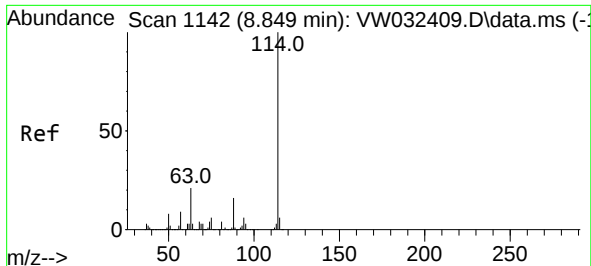
Tgt Ion:168 Resp: 216459
Ion Ratio Lower Upper
168 100
99 62.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 64.836 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 65 Resp: 180936
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032447.D

Acq: 17 Nov 2025 10:59

Instrument :

MSVOA_W

ClientSampleId :

VW1117SBL01

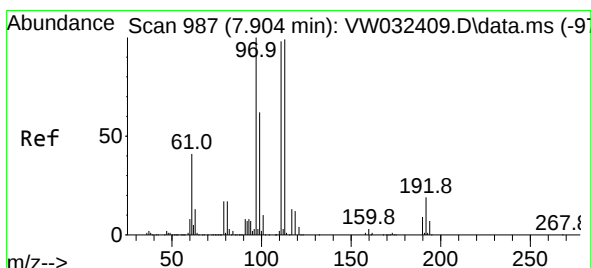
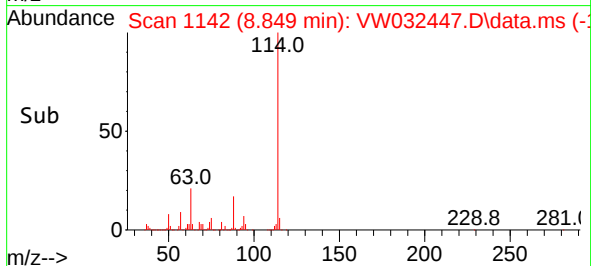
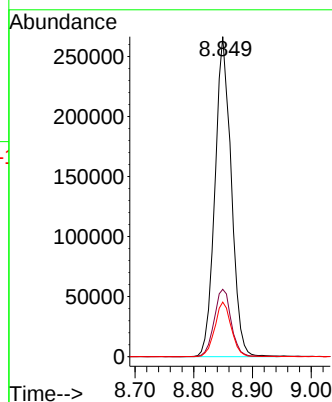
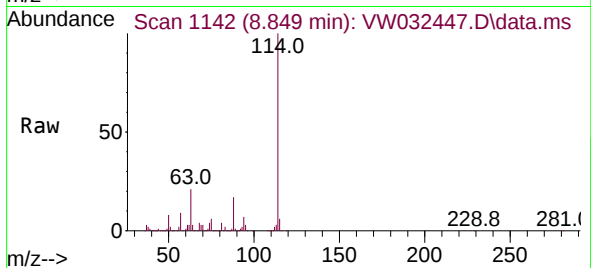
Tgt Ion:114 Resp: 512667

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.075 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032447.D

Acq: 17 Nov 2025 10:59

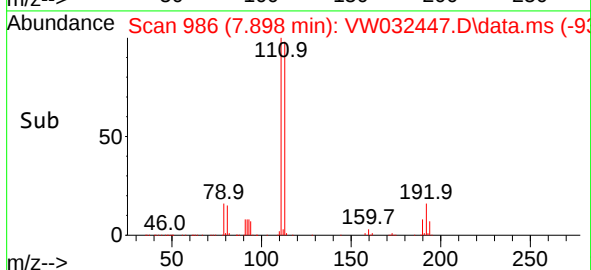
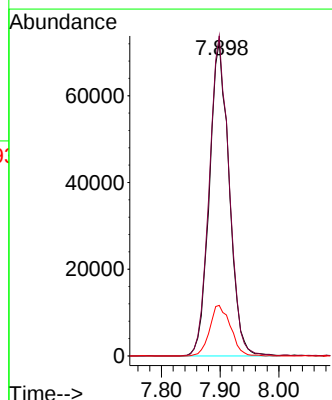
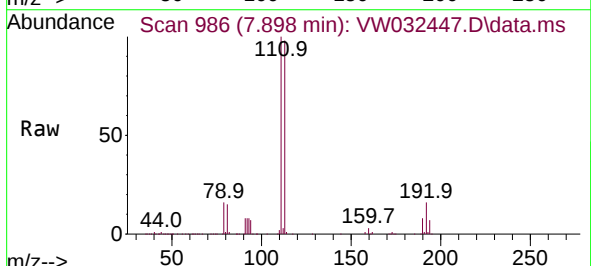
Tgt Ion:113 Resp: 169049

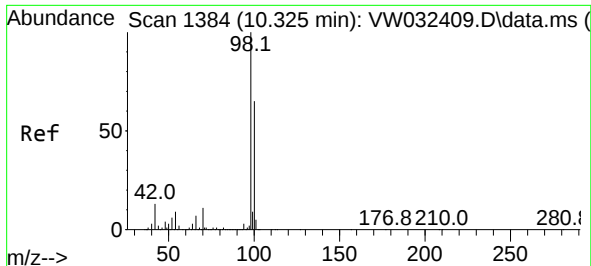
Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 17.0 13.4 20.2

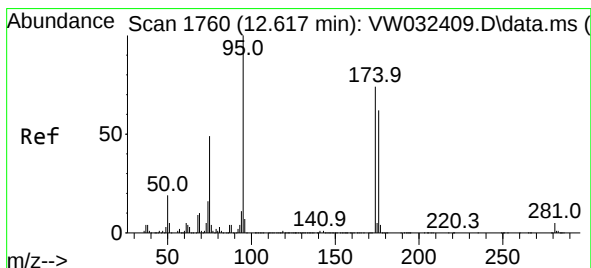
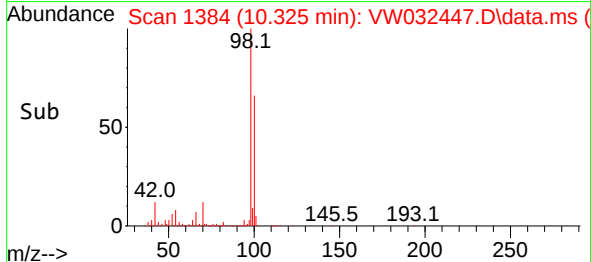
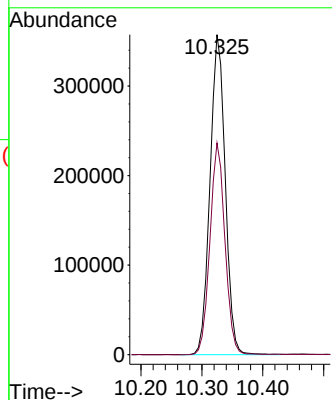
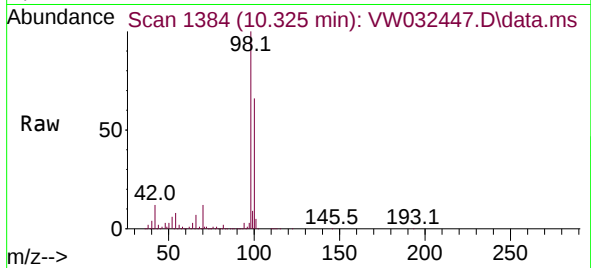




#50
Toluene-d8
Concen: 52.663 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

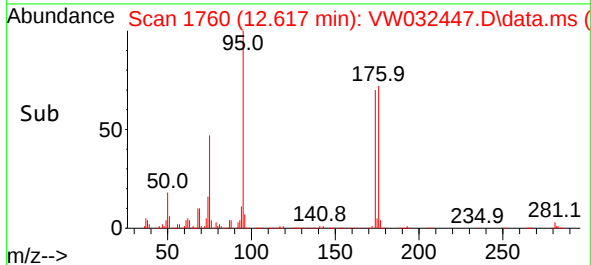
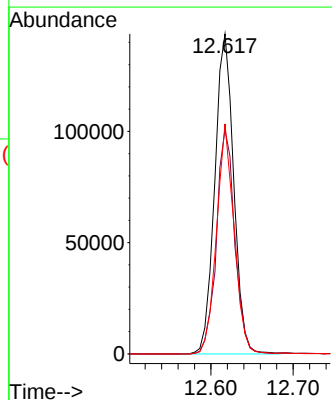
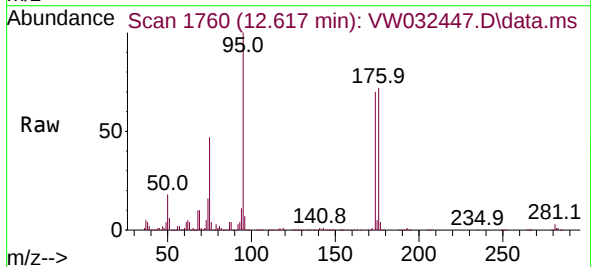
Instrument :
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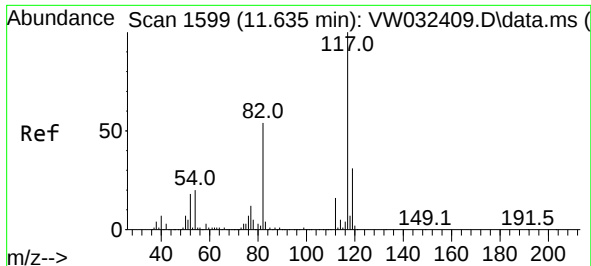
Tgt Ion: 98 Resp: 620130
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion: 95 Resp: 229486
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.4
176 66.9 0.0 131.8

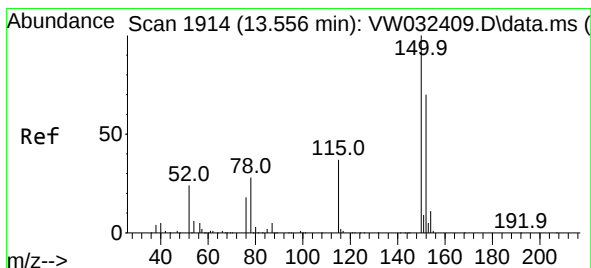
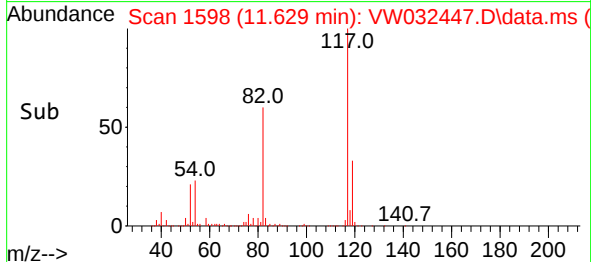
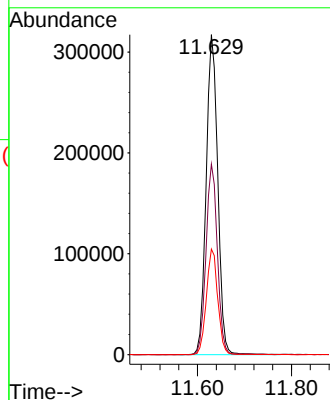
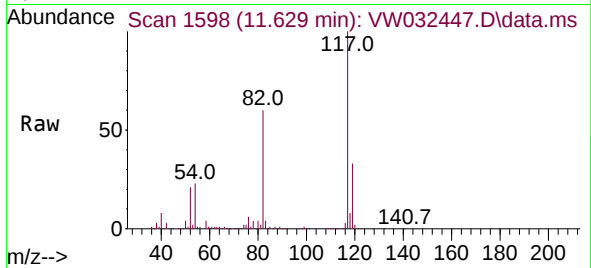




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Instrument :
MSVOA_W
ClientSampleId :
VW1117SBL01

Tgt Ion:117 Resp: 543550
Ion Ratio Lower Upper
117 100
82 59.5 43.0 64.4
119 33.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032447.D
Acq: 17 Nov 2025 10:59

Tgt Ion:152 Resp: 253481
Ion Ratio Lower Upper
152 100
115 63.8 32.8 98.3
150 158.8 0.0 356.6

