

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032546.D
 Acq On : 26 Nov 2025 16:04
 Operator : SY/MD
 Sample : Q3719-07
 Misc : 3.36g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-14A

Quant Time: Nov 27 00:29:31 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	200349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	492902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	550426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	245674	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169930	65.788	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	131.580%
35) Dibromofluoromethane	7.898	113	154613	52.391	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.780%
50) Toluene-d8	10.325	98	495162	43.736	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.480%
62) 4-Bromofluorobenzene	12.617	95	216969	50.732	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.460%

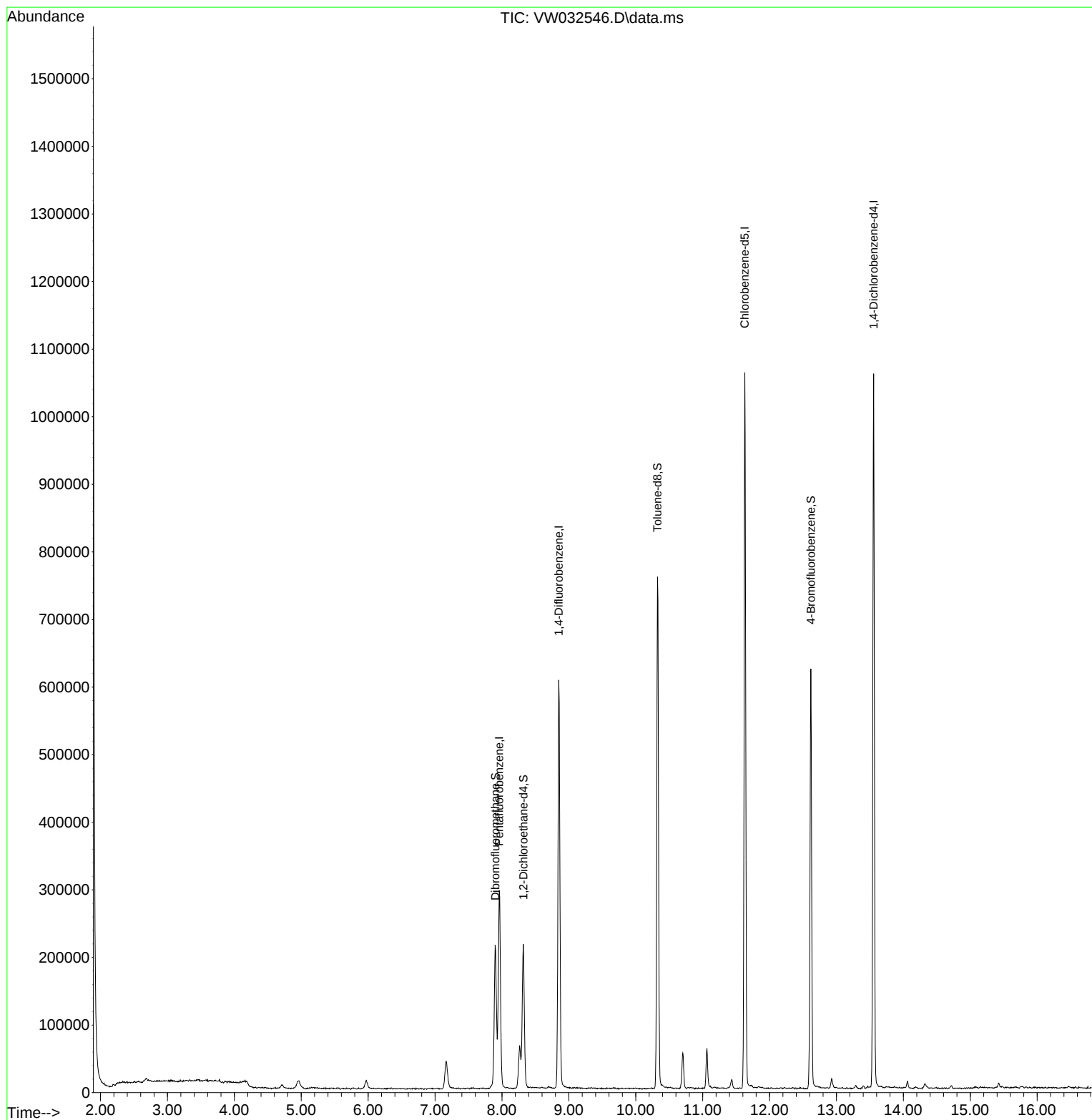
Target Compounds	Qvalue

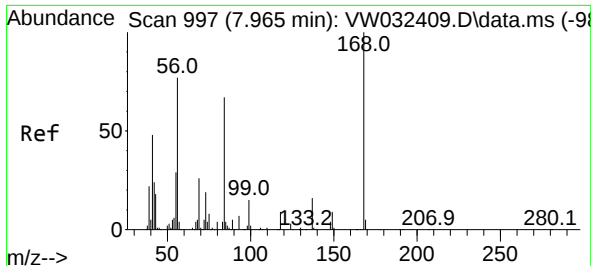
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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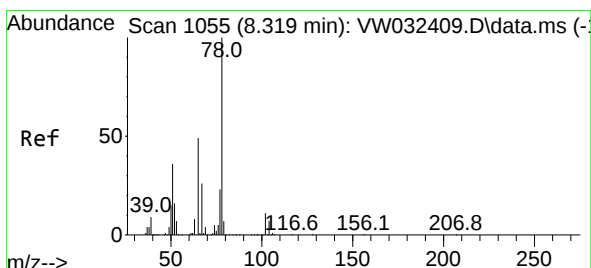
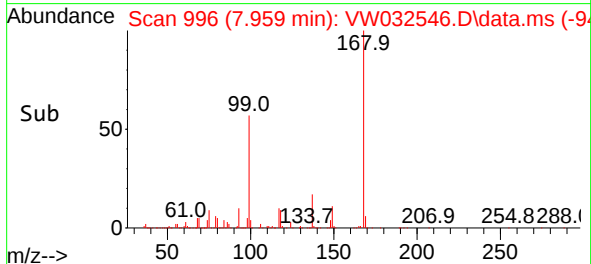
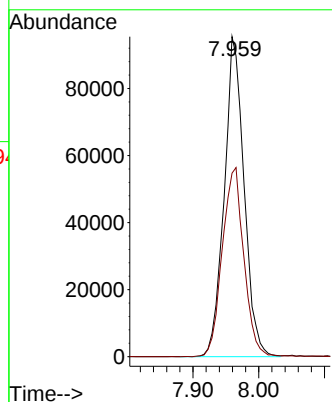
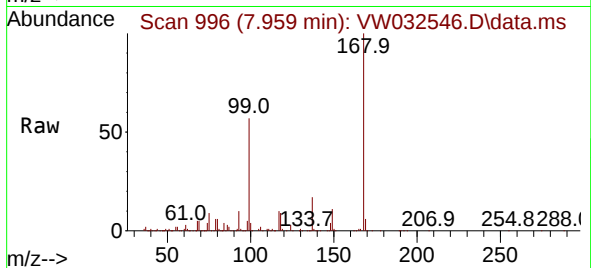




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

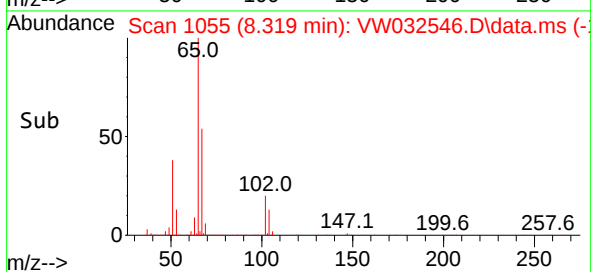
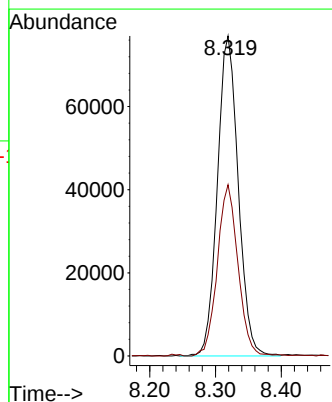
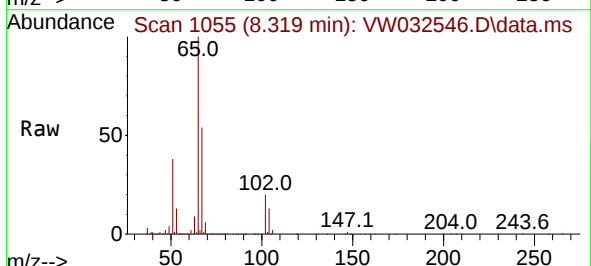
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

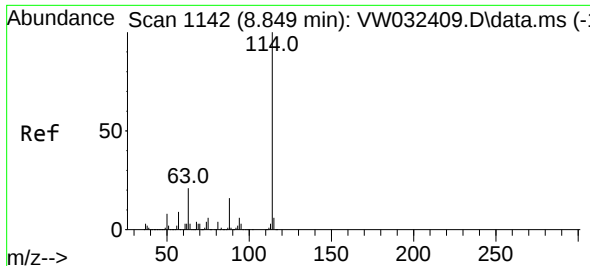
Tgt Ion:168 Resp: 200349
Ion Ratio Lower Upper
168 100
99 57.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 65.788 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 65 Resp: 169930
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: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-14A

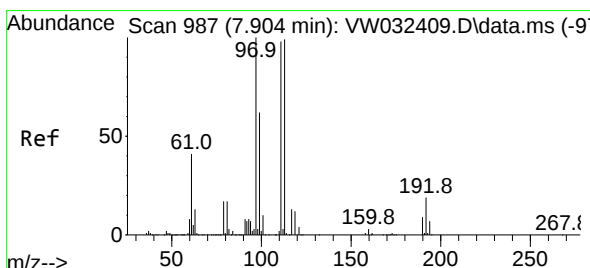
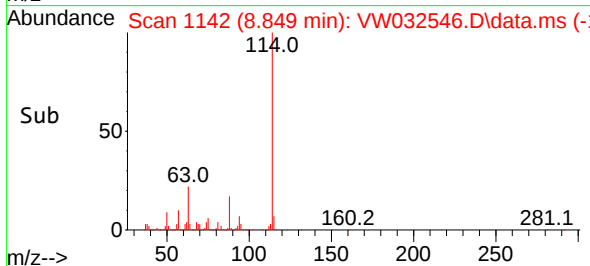
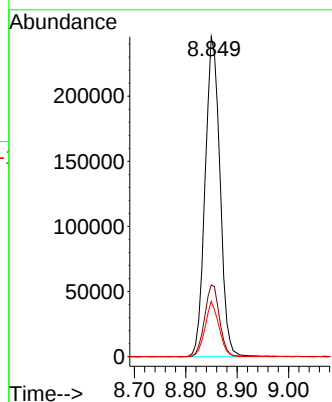
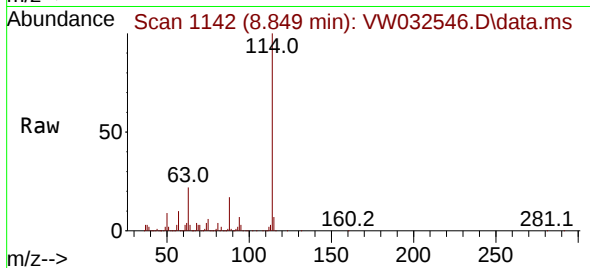
Tgt Ion:114 Resp: 492902

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.391 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

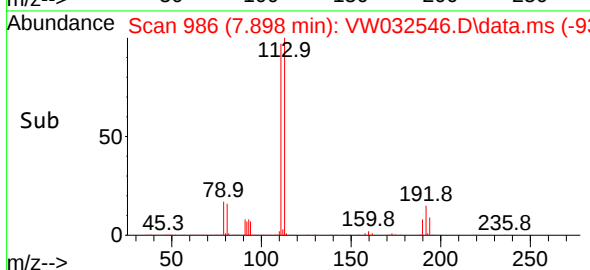
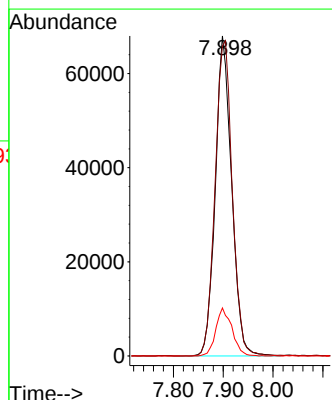
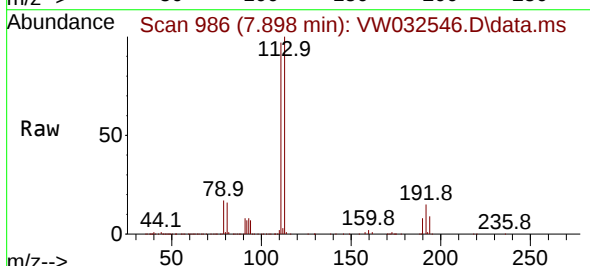
Tgt Ion:113 Resp: 154613

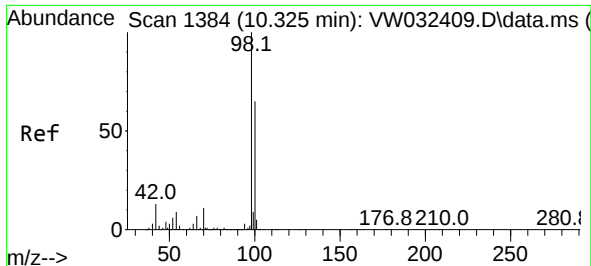
Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

192 14.9 13.4 20.2

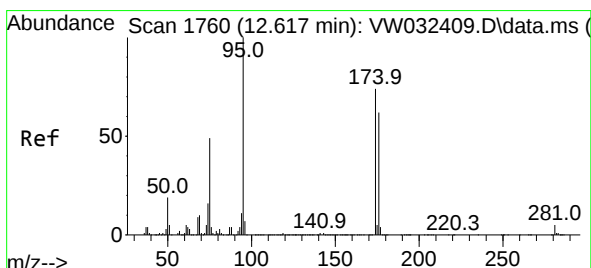
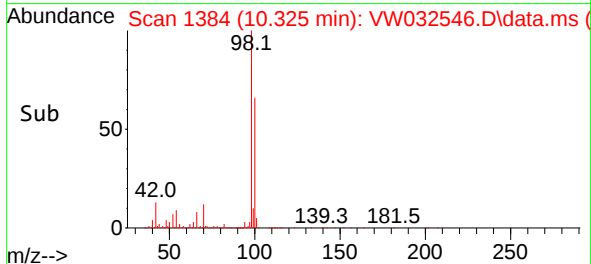
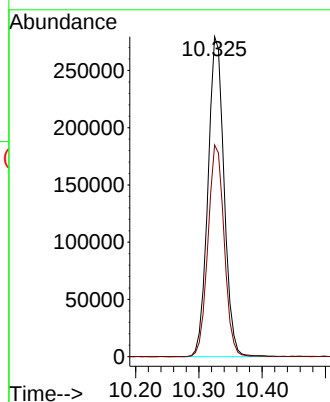
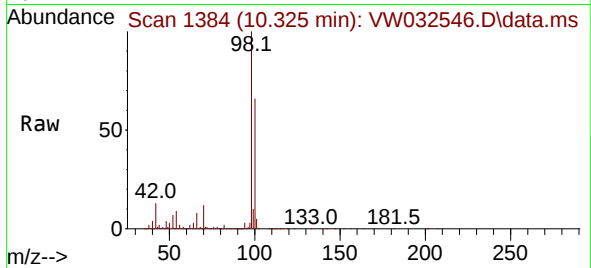




#50
Toluene-d8
Concen: 43.736 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

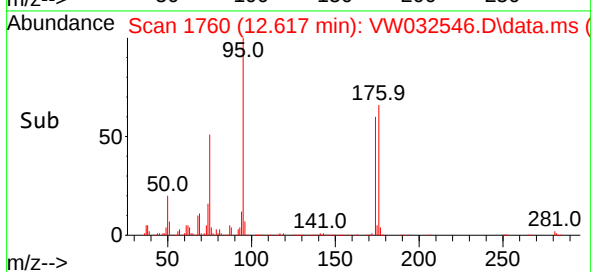
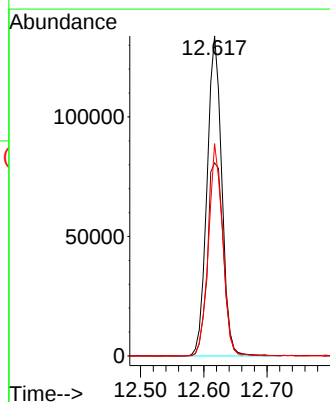
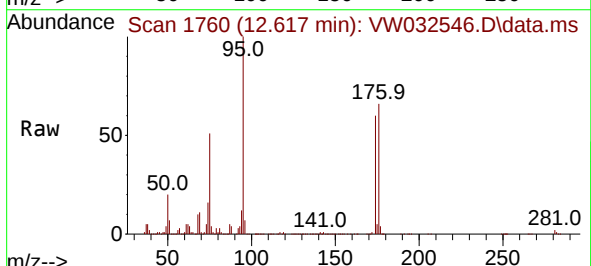
Instrument :
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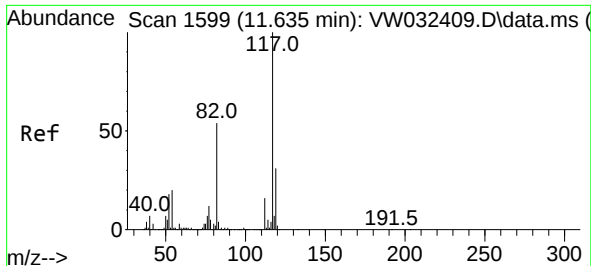
Tgt Ion: 98 Resp: 495162
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.732 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.4
176 63.9 0.0 131.8

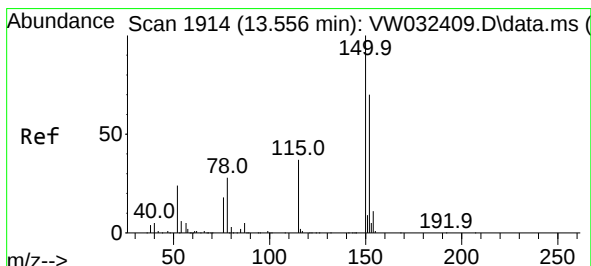
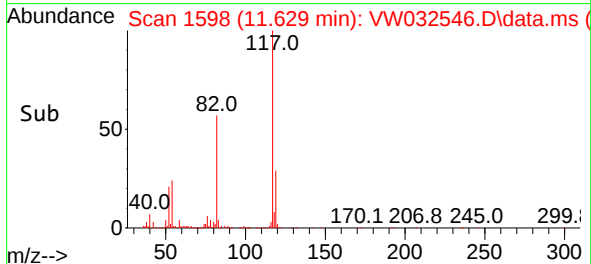
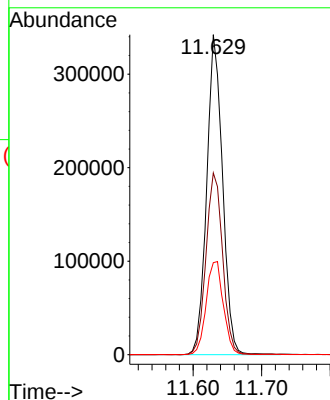
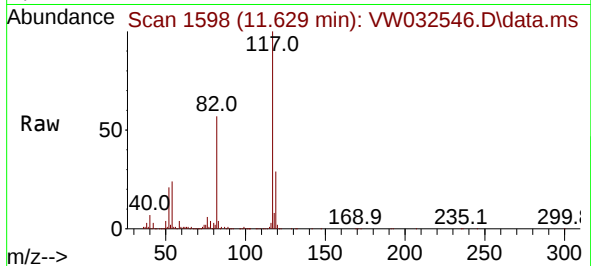




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-14A

Tgt Ion:117 Resp: 550426
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 28.7 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: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion:152 Resp: 245674
Ion Ratio Lower Upper
152 100
115 67.5 32.8 98.3
150 171.6 0.0 356.6

