

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032527.D
 Acq On : 21 Nov 2025 15:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 26 01:23:04 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	7.965	168	215565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	536138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	589909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	310955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157192	56.561	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.120%
35) Dibromofluoromethane	7.904	113	151059	47.059	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.120%
50) Toluene-d8	10.325	98	586506	47.627	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.260%
62) 4-Bromofluorobenzene	12.617	95	341403	73.389	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	146.780%#

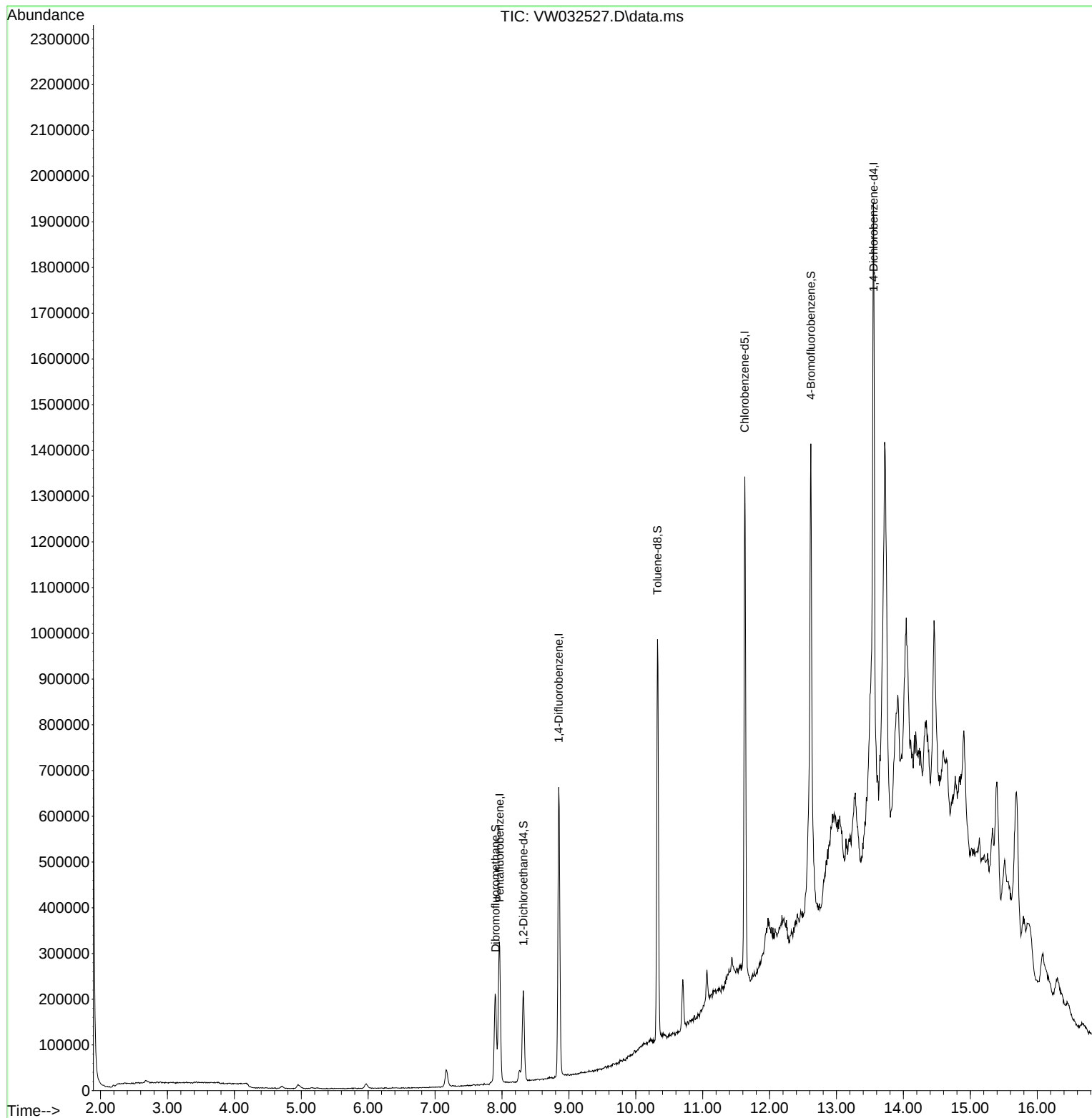
Target Compounds	Qvalue

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

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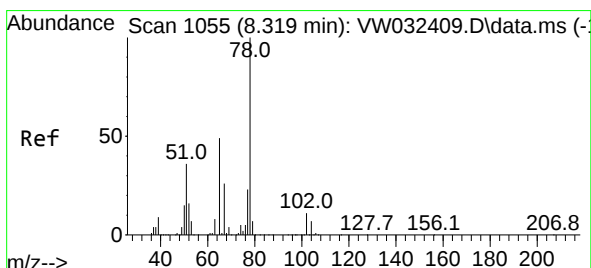
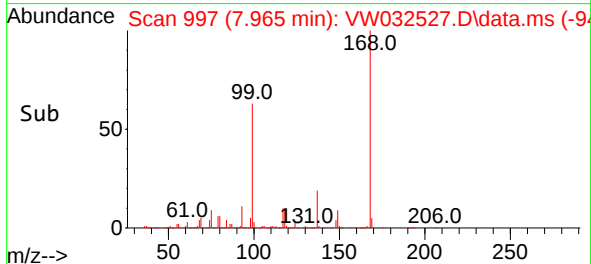
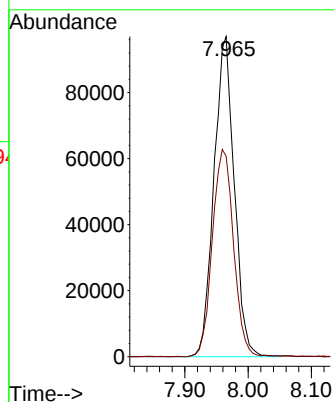
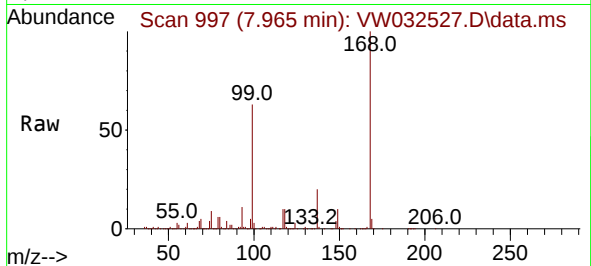




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

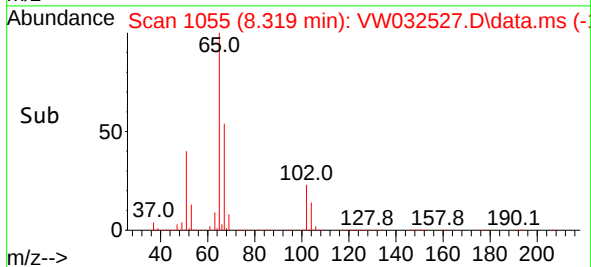
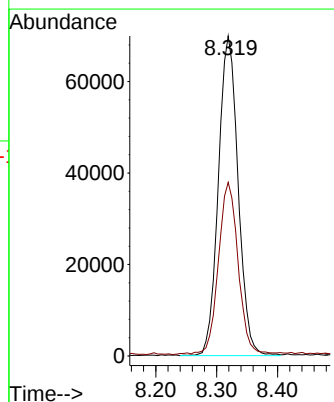
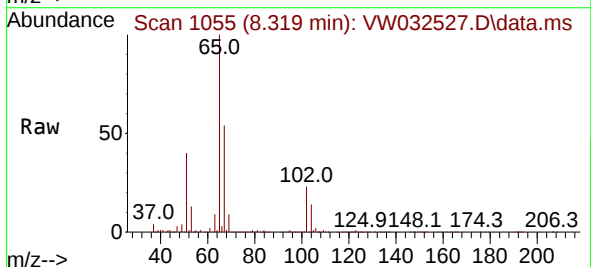
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

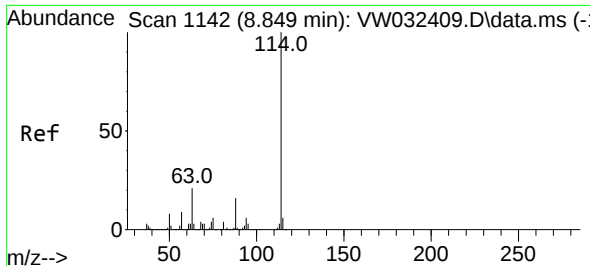
Tgt Ion:168 Resp: 215565
Ion Ratio Lower Upper
168 100
99 62.6 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 56.561 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 65 Resp: 157192
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.8

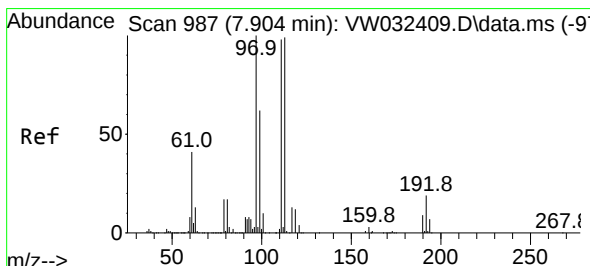
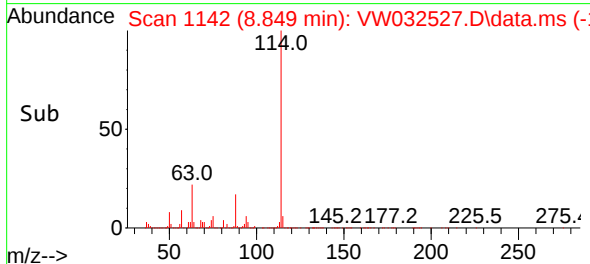
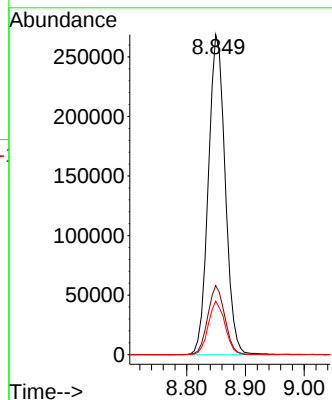
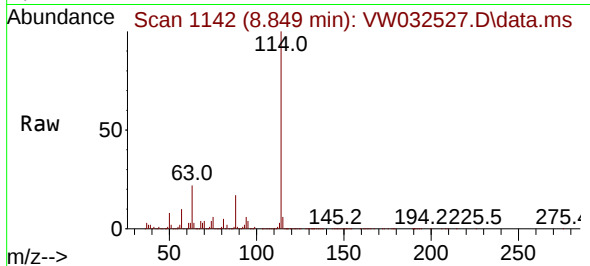




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

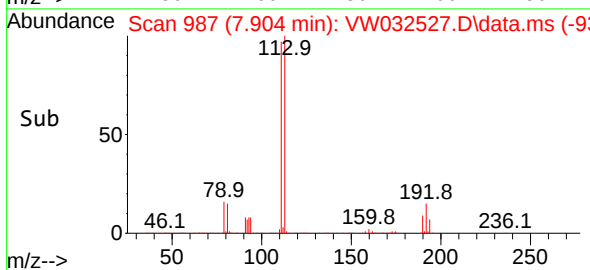
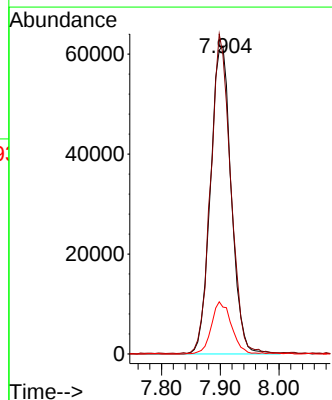
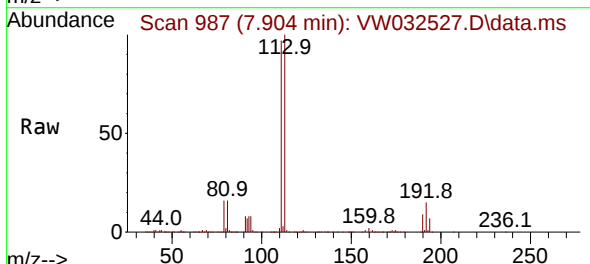
Instrument :
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VIBLK

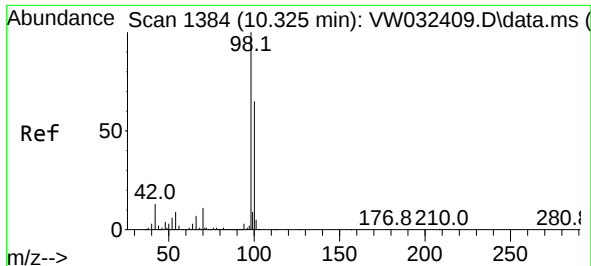
Tgt Ion:114 Resp: 536138
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.059 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion:113 Resp: 151059
Ion Ratio Lower Upper
113 100
111 99.9 83.1 124.7
192 16.4 13.4 20.2

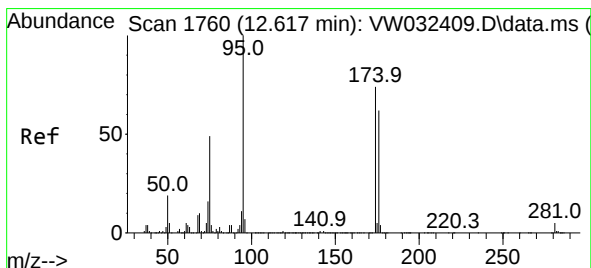
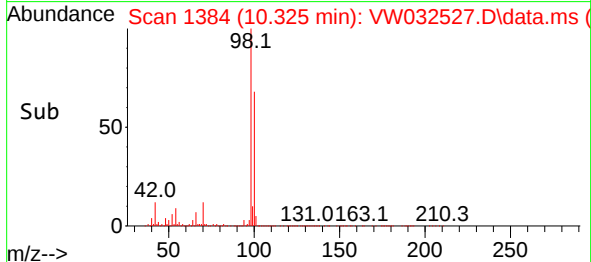
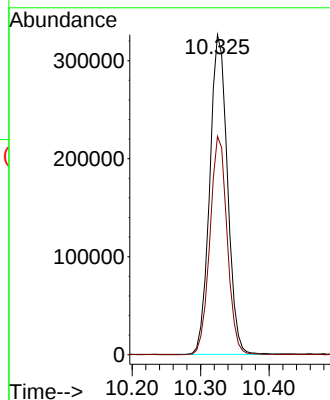
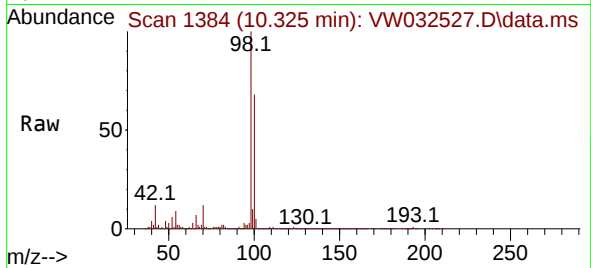




#50
Toluene-d8
Concen: 47.627 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

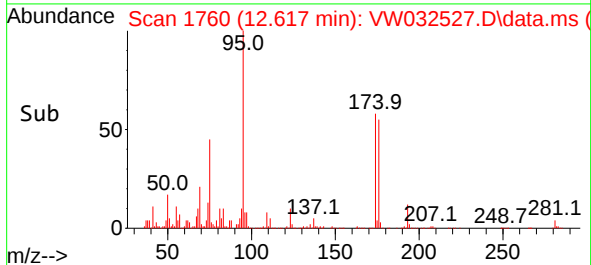
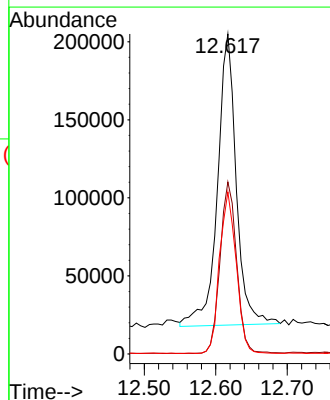
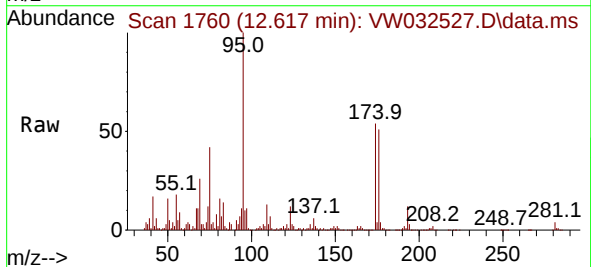
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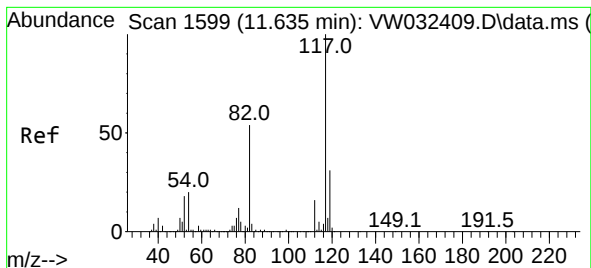
Tgt Ion: 98 Resp: 586506
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 73.389 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 95 Resp: 341403
Ion Ratio Lower Upper
95 100
174 52.1 0.0 135.4
176 48.9 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: VW032527.D

Acq: 21 Nov 2025 15:38

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

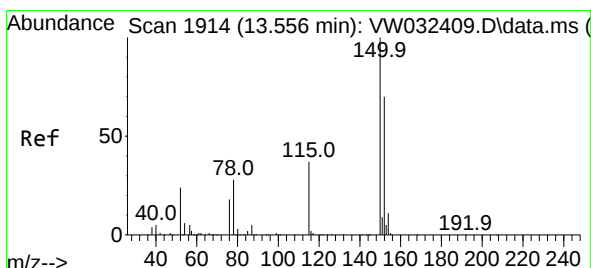
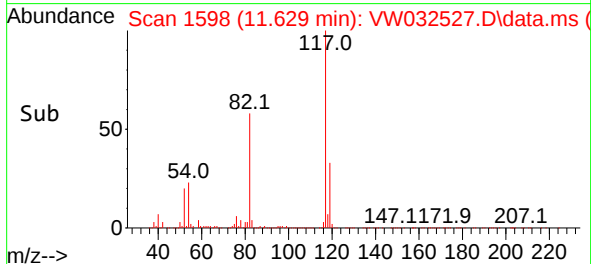
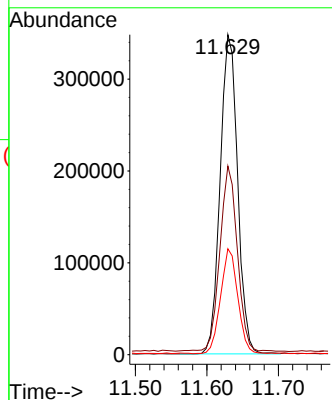
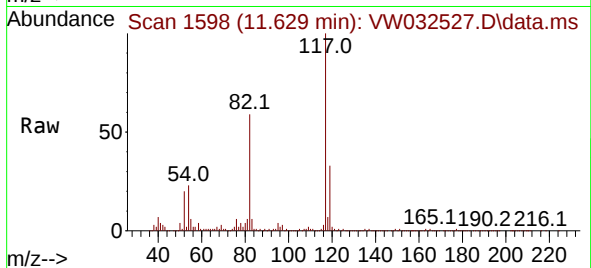
Tgt Ion:117 Resp: 589909

Ion Ratio Lower Upper

117 100

82 58.0 43.0 64.4

119 32.7 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: VW032527.D

Acq: 21 Nov 2025 15:38

Tgt Ion:152 Resp: 310955

Ion Ratio Lower Upper

152 100

115 58.4 32.8 98.3

150 144.1 0.0 356.6

