

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032431.D
 Acq On : 11 Nov 2025 15:21
 Operator : SY/MD
 Sample : Q3599-01
 Misc : 5.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LIVINGSTON-SOIL

Quant Time: Nov 12 03:50:56 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	300255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	702399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	672511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	343410	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	295929	76.448	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	152.900%
35) Dibromofluoromethane	7.898	113	273613	65.062	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	130.120%
50) Toluene-d8	10.325	98	1051145	65.153	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	130.300%#
62) 4-Bromofluorobenzene	12.617	95	540762	88.728	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	177.460%#

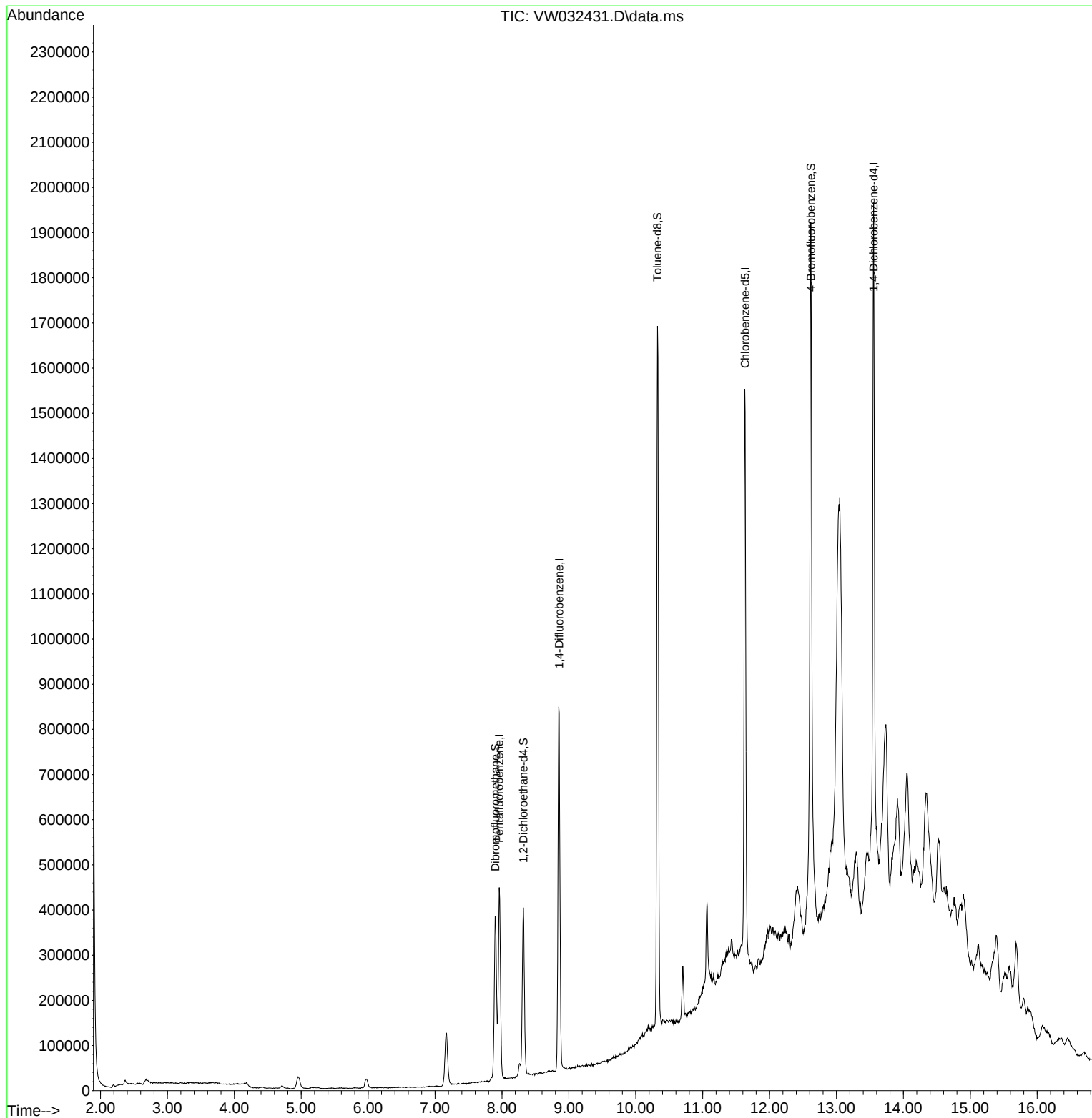
Target Compounds	Qvalue

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

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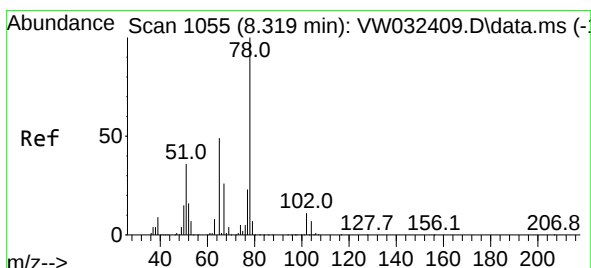
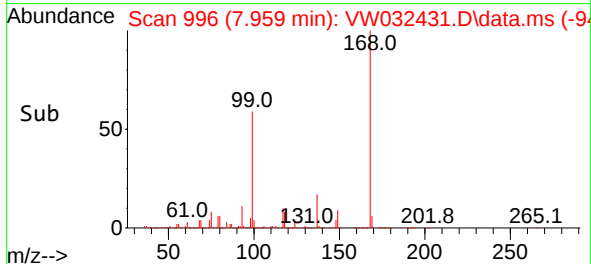
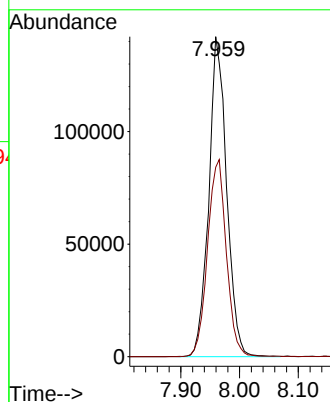
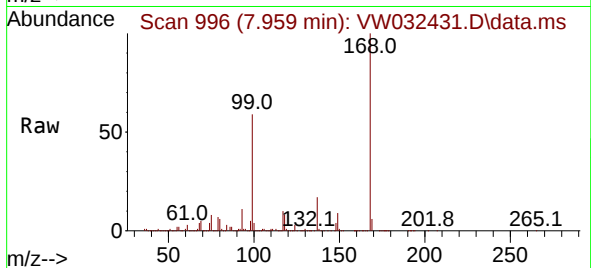




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032431.D
Acq: 11 Nov 2025 15:21

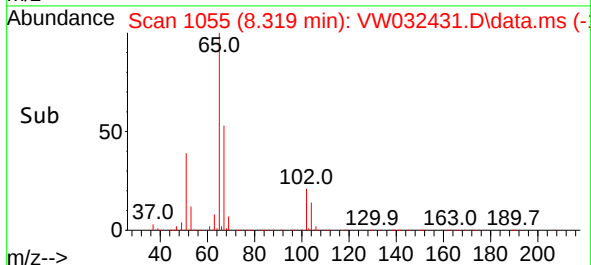
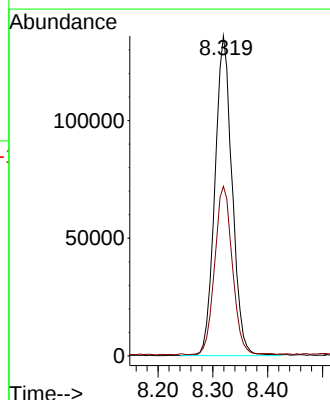
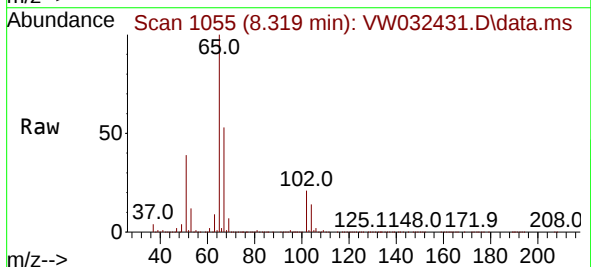
Instrument :
MSVOA_W
ClientSampleId :
LIVINGSTON-SOIL

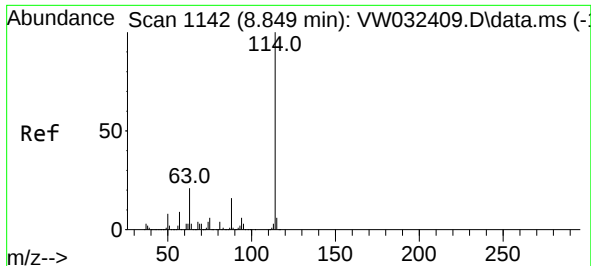
Tgt Ion:168 Resp: 300255
Ion Ratio Lower Upper
168 100
99 59.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 76.448 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032431.D
Acq: 11 Nov 2025 15:21

Tgt Ion: 65 Resp: 295929
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032431.D

Acq: 11 Nov 2025 15:21

Instrument :

MSVOA_W

ClientSampleId :

LIVINGSTON-SOIL

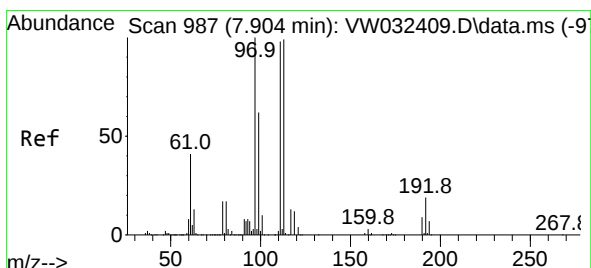
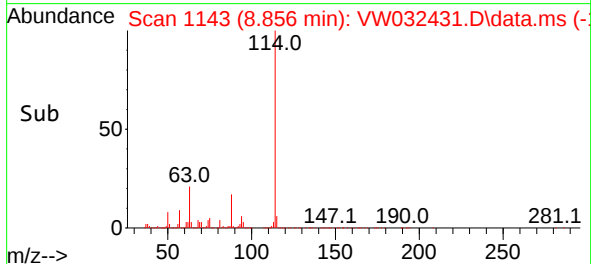
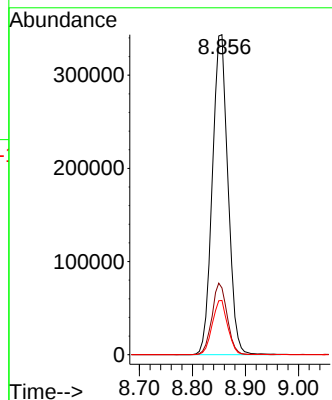
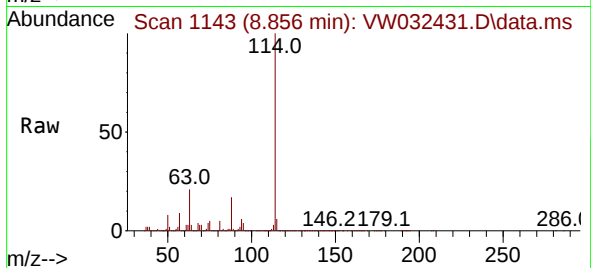
Tgt Ion:114 Resp: 702399

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.8

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 65.062 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032431.D

Acq: 11 Nov 2025 15:21

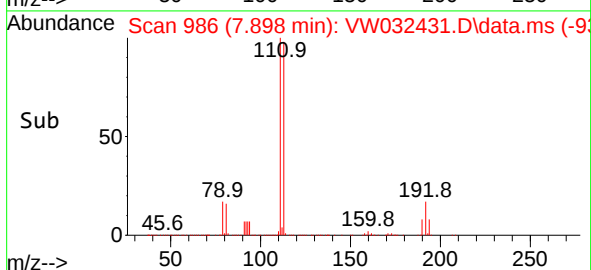
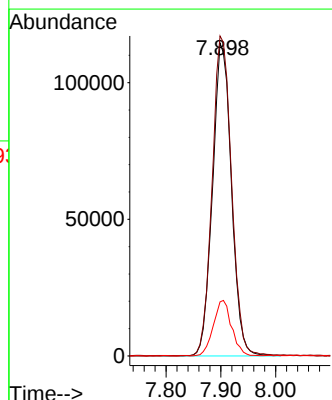
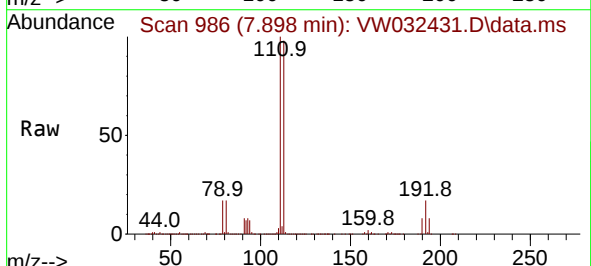
Tgt Ion:113 Resp: 273613

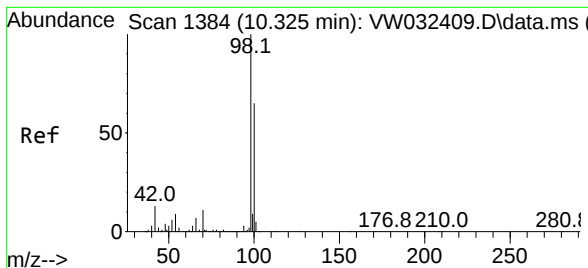
Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

192 17.3 13.4 20.2

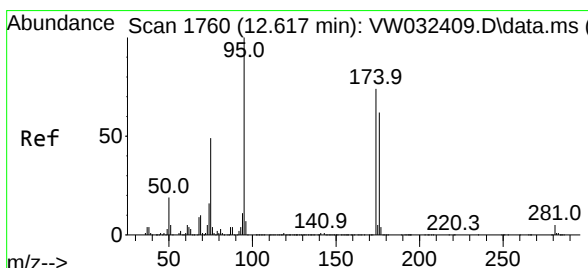
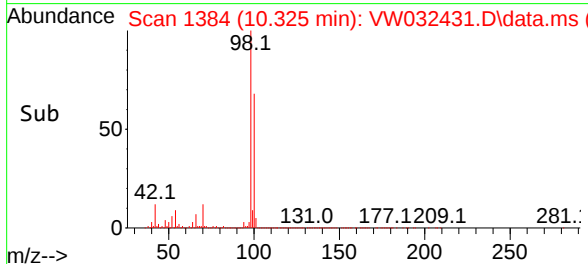
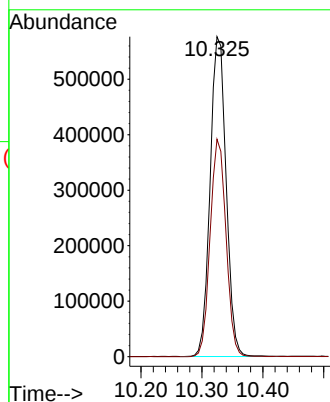
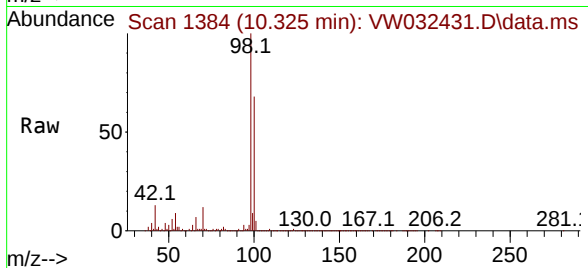




#50
Toluene-d8
Concen: 65.153 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032431.D
Acq: 11 Nov 2025 15:21

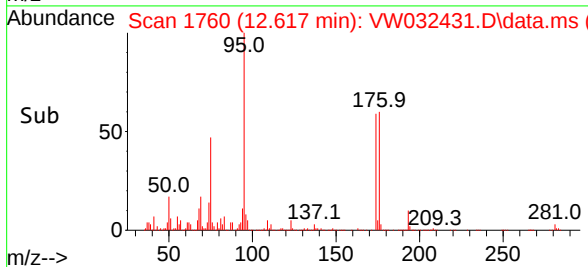
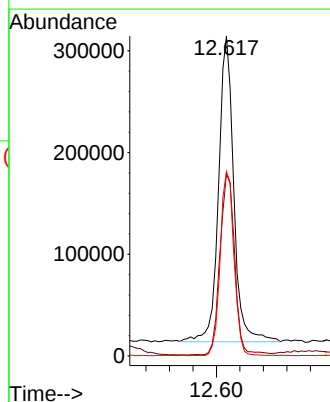
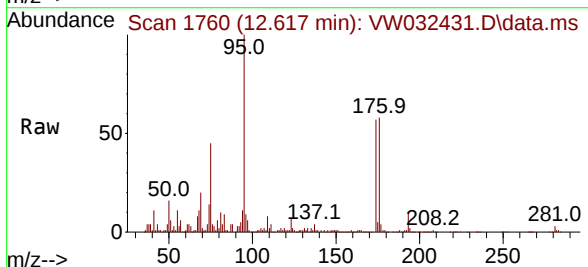
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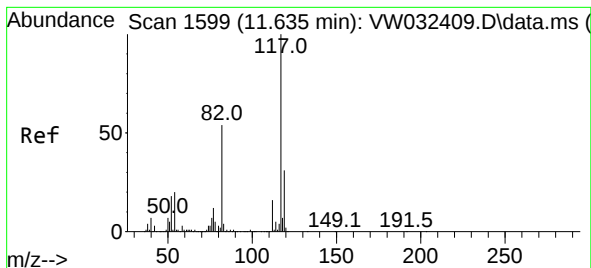
Tgt Ion: 98 Resp: 1051145
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 88.728 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032431.D
Acq: 11 Nov 2025 15:21

Tgt Ion: 95 Resp: 540762
Ion Ratio Lower Upper
95 100
174 57.1 0.0 135.4
176 54.5 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 1159

Delta R.T. 0.000 min

Lab File: VW032431.D

Acq: 11 Nov 2025 15:21

Instrument :

MSVOA_W

ClientSampleId :

LIVINGSTON-SOIL

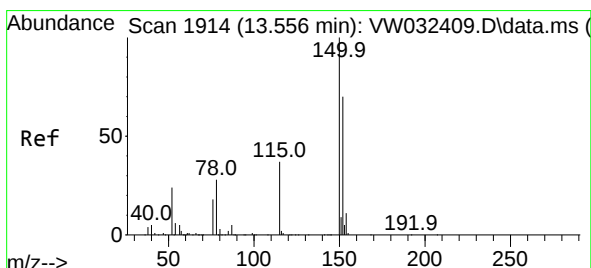
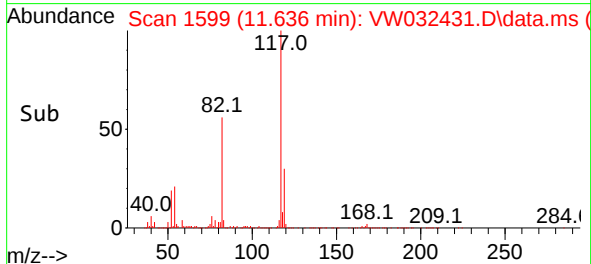
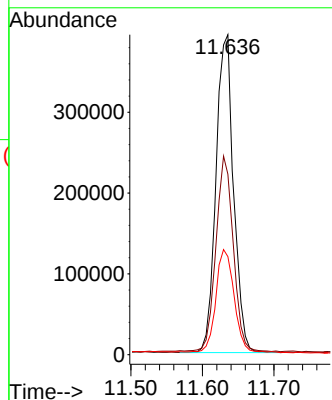
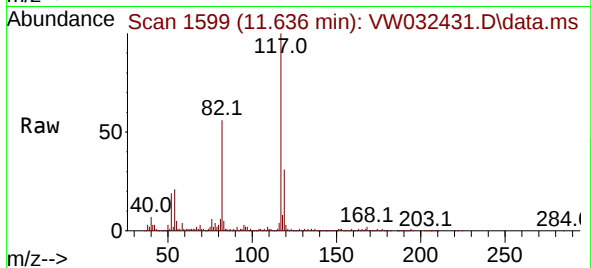
Tgt Ion:117 Resp: 672511

Ion Ratio Lower Upper

117 100

82 55.8 43.0 64.4

119 30.2 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: VW032431.D

Acq: 11 Nov 2025 15:21

Tgt Ion:152 Resp: 343410

Ion Ratio Lower Upper

152 100

115 65.1 32.8 98.3

150 161.5 0.0 356.6

