

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031944.D
 Acq On : 28 Jul 2025 14:39
 Operator : SY/MD
 Sample : Q2706-03
 Misc : 4.79g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-361

Quant Time: Jul 29 01:20:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	173852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	354416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168523	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150414	57.193	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.380%
35) Dibromofluoromethane	7.904	113	130556	49.866	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.740%
50) Toluene-d8	10.325	98	485603	49.007	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.617	95	169769	44.619	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	89.240%

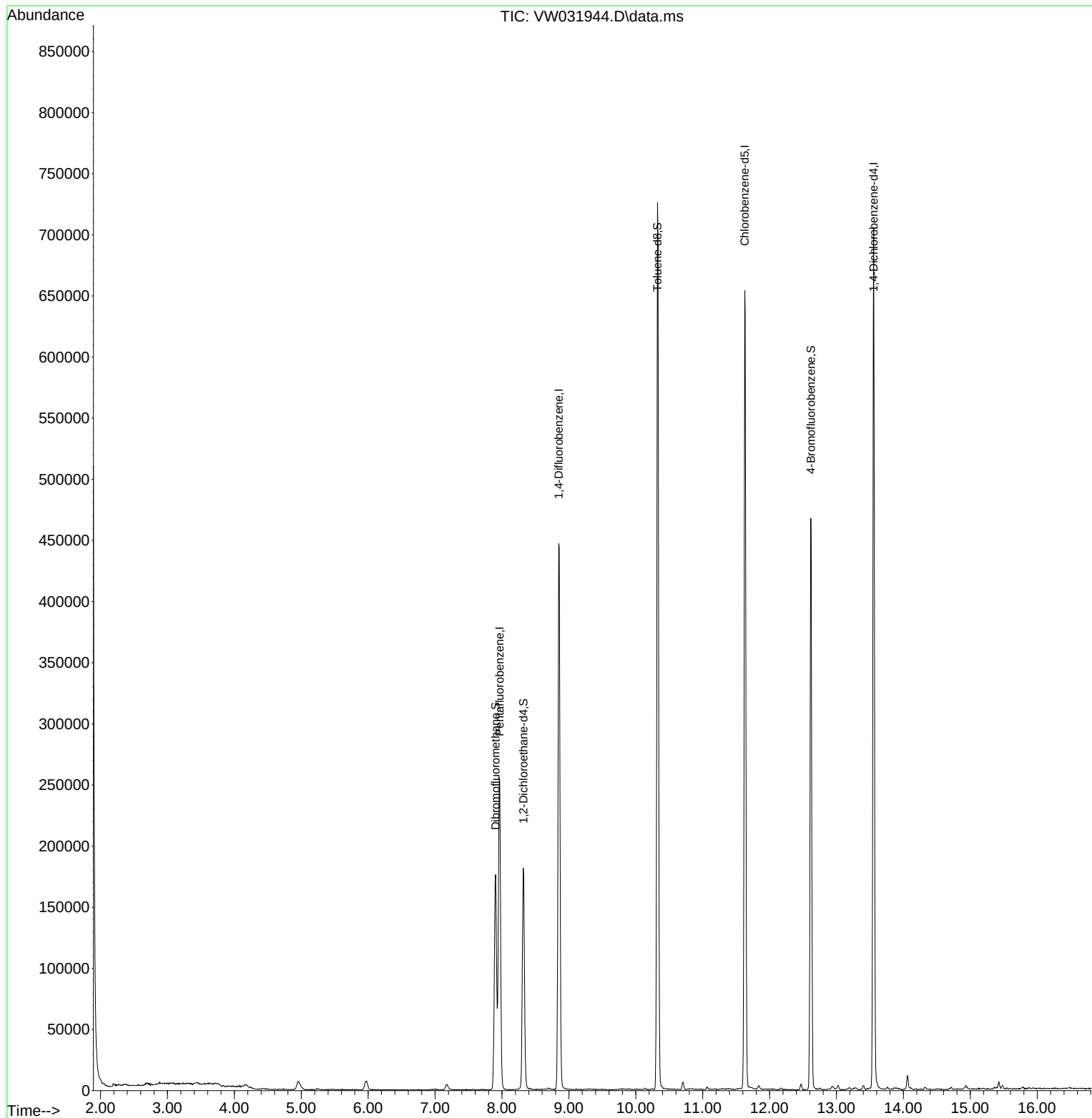
Target Compounds	Qvalue

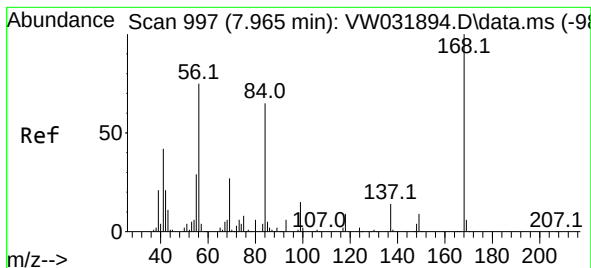
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW031944.D

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Instrument :

MSVOA_W

ClientSampleId :

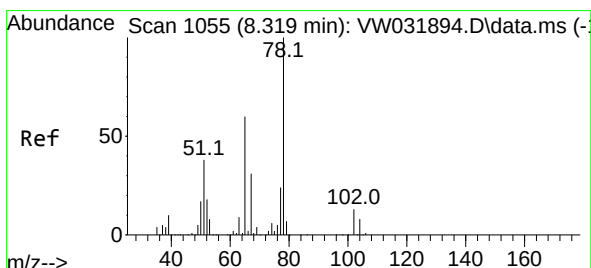
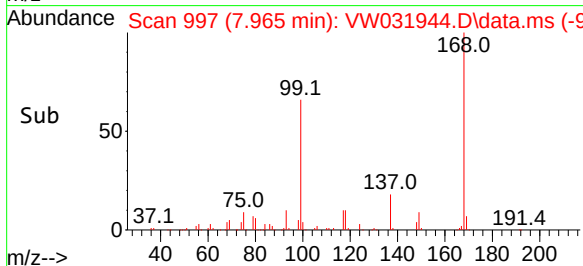
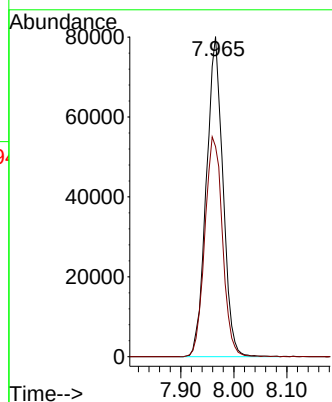
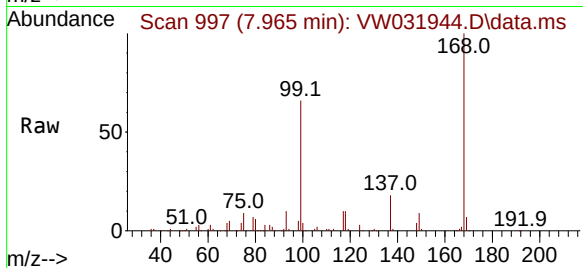
ETGI-361

Tgt Ion:168 Resp: 173852

Ion Ratio Lower Upper

168 100

99 65.7 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 57.193 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031944.D

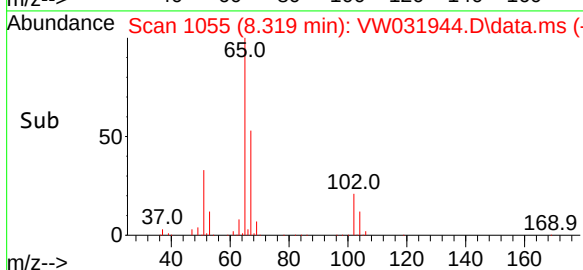
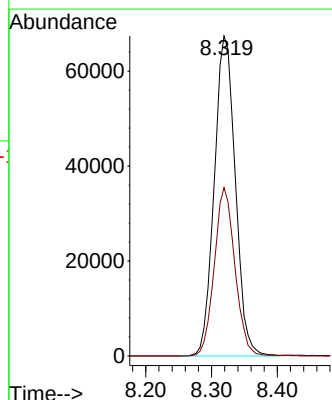
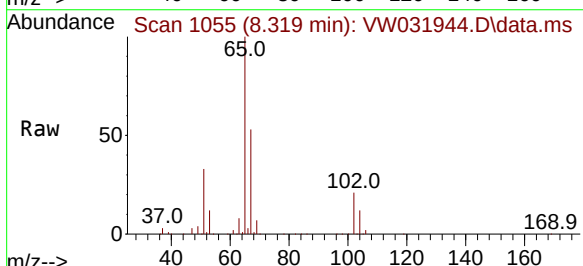
Acq: 28 Jul 2025 14:39

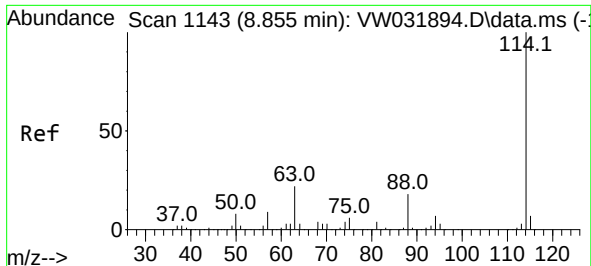
Tgt Ion: 65 Resp: 150414

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031944.D

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Instrument :

MSVOA_W

ClientSampleId :

ETGI-361

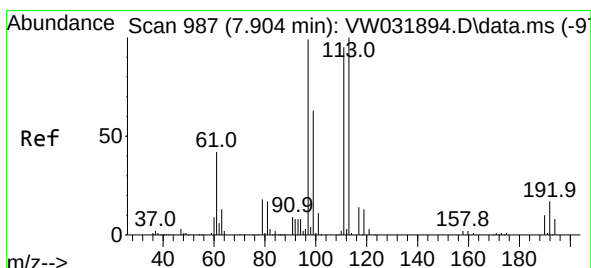
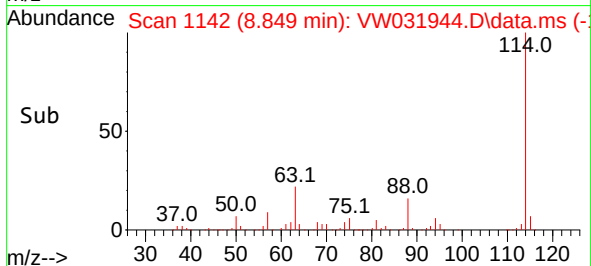
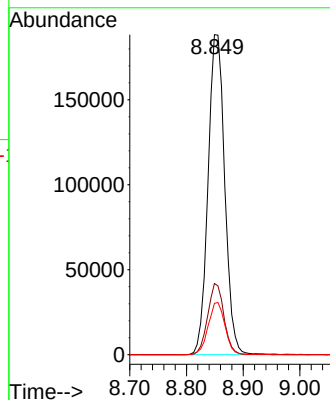
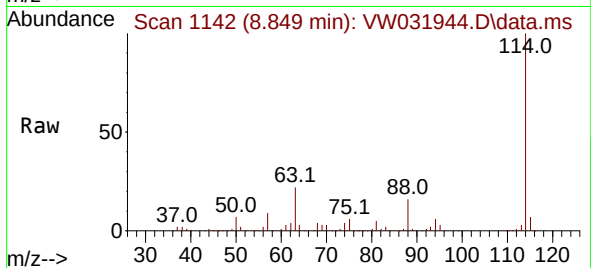
Tgt Ion:114 Resp: 385298

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

88 16.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.866 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031944.D

Acq: 28 Jul 2025 14:39

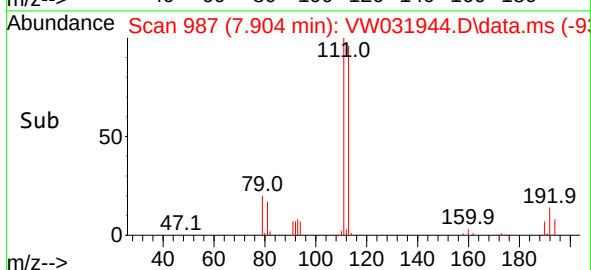
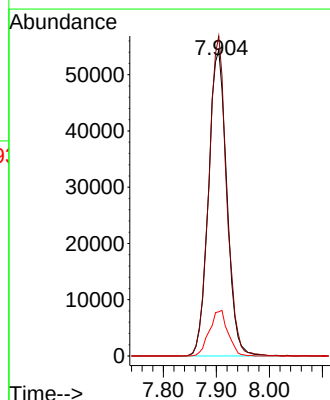
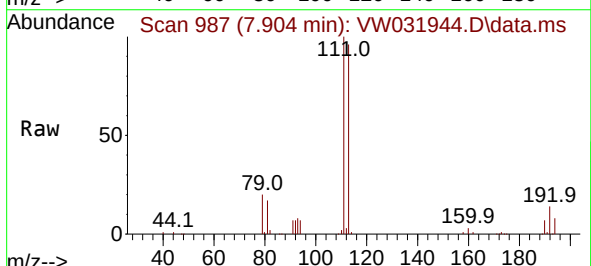
Tgt Ion:113 Resp: 130556

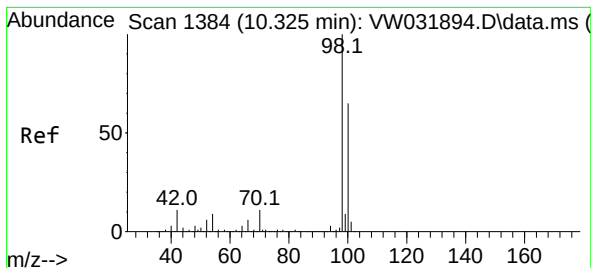
Ion Ratio Lower Upper

113 100

111 101.6 79.9 119.9

192 15.0 12.6 19.0

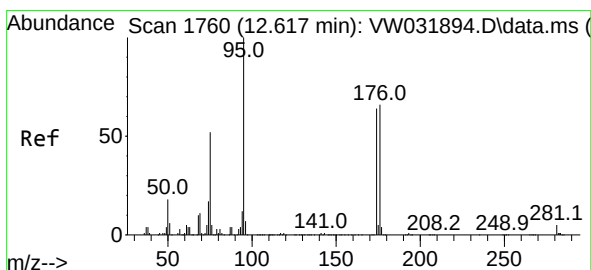
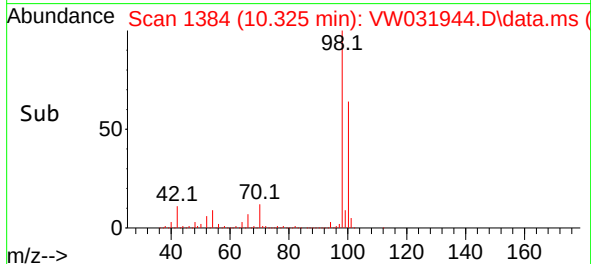
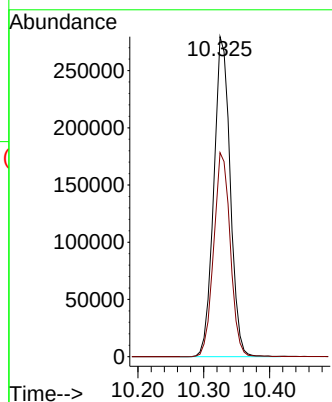
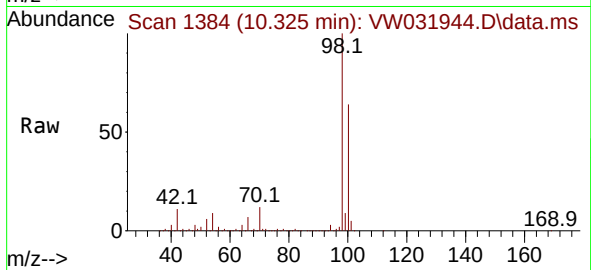




#50
Toluene-d8
Concen: 49.007 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031944.D
Acq: 28 Jul 2025 14:39

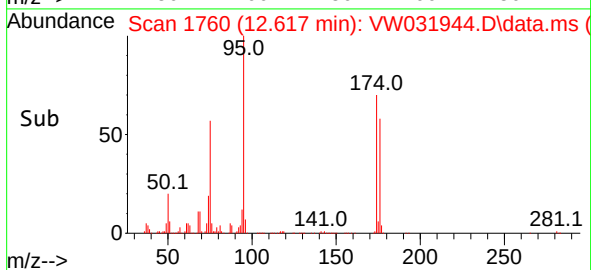
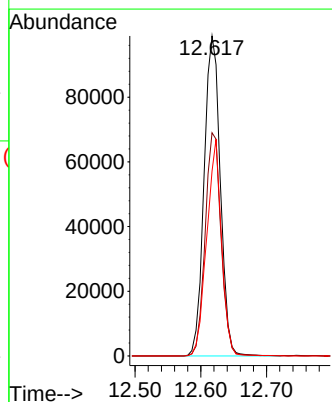
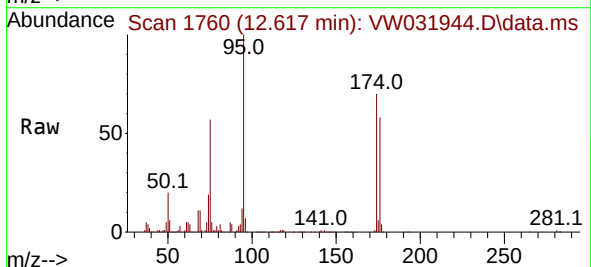
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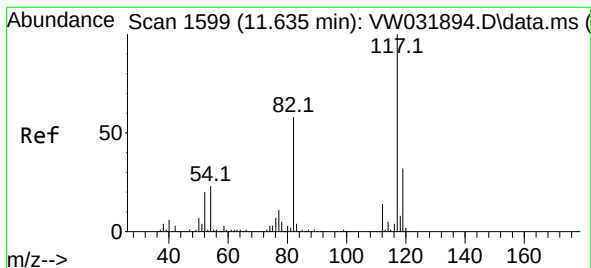
Tgt Ion: 98 Resp: 485603
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.619 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031944.D
Acq: 28 Jul 2025 14:39

Tgt Ion: 95 Resp: 169769
Ion Ratio Lower Upper
95 100
174 68.4 0.0 129.8
176 62.1 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031944.D

Acq: 28 Jul 2025 14:39

Instrument :

MSVOA_W

ClientSampleId :

ETGI-361

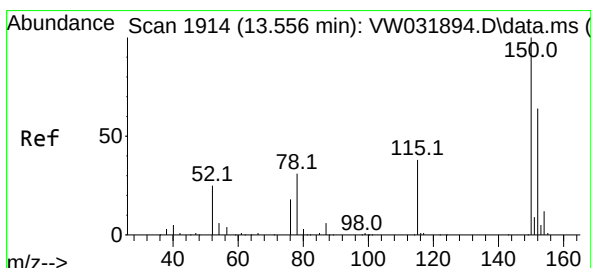
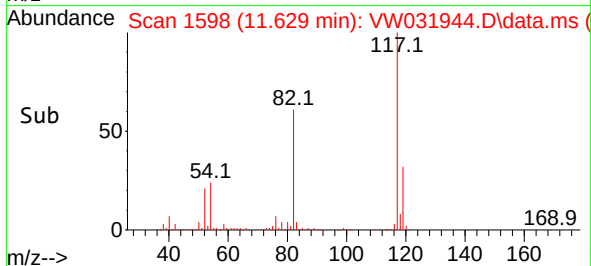
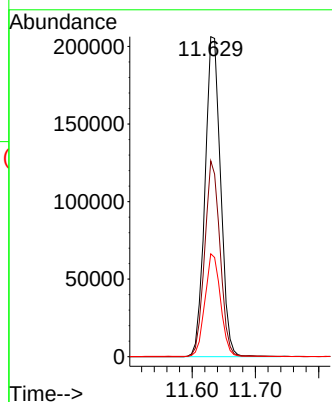
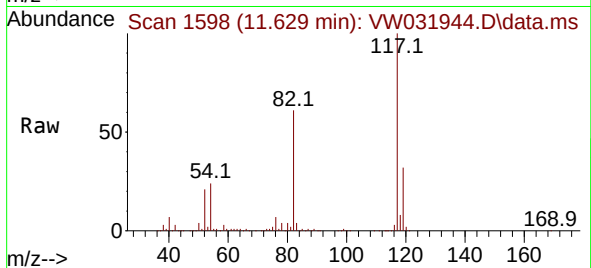
Tgt Ion:117 Resp: 354416

Ion Ratio Lower Upper

117 100

82 61.2 46.5 69.7

119 32.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031944.D

Acq: 28 Jul 2025 14:39

Tgt Ion:152 Resp: 168523

Ion Ratio Lower Upper

152 100

115 67.4 33.4 100.1

150 163.6 0.0 352.2

