

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070225\
 Data File : VW031749.D
 Acq On : 02 Jul 2025 10:19
 Operator : SY/MD
 Sample : VW0702SBL02
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0702SBL02

Quant Time: Jul 03 06:08:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	201876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	379010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	343842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	145920	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130926	45.191	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	90.380%
35) Dibromofluoromethane	7.904	113	115000	46.498	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.000%
50) Toluene-d8	10.325	98	428817	46.591	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.617	95	139333	41.138	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.280%

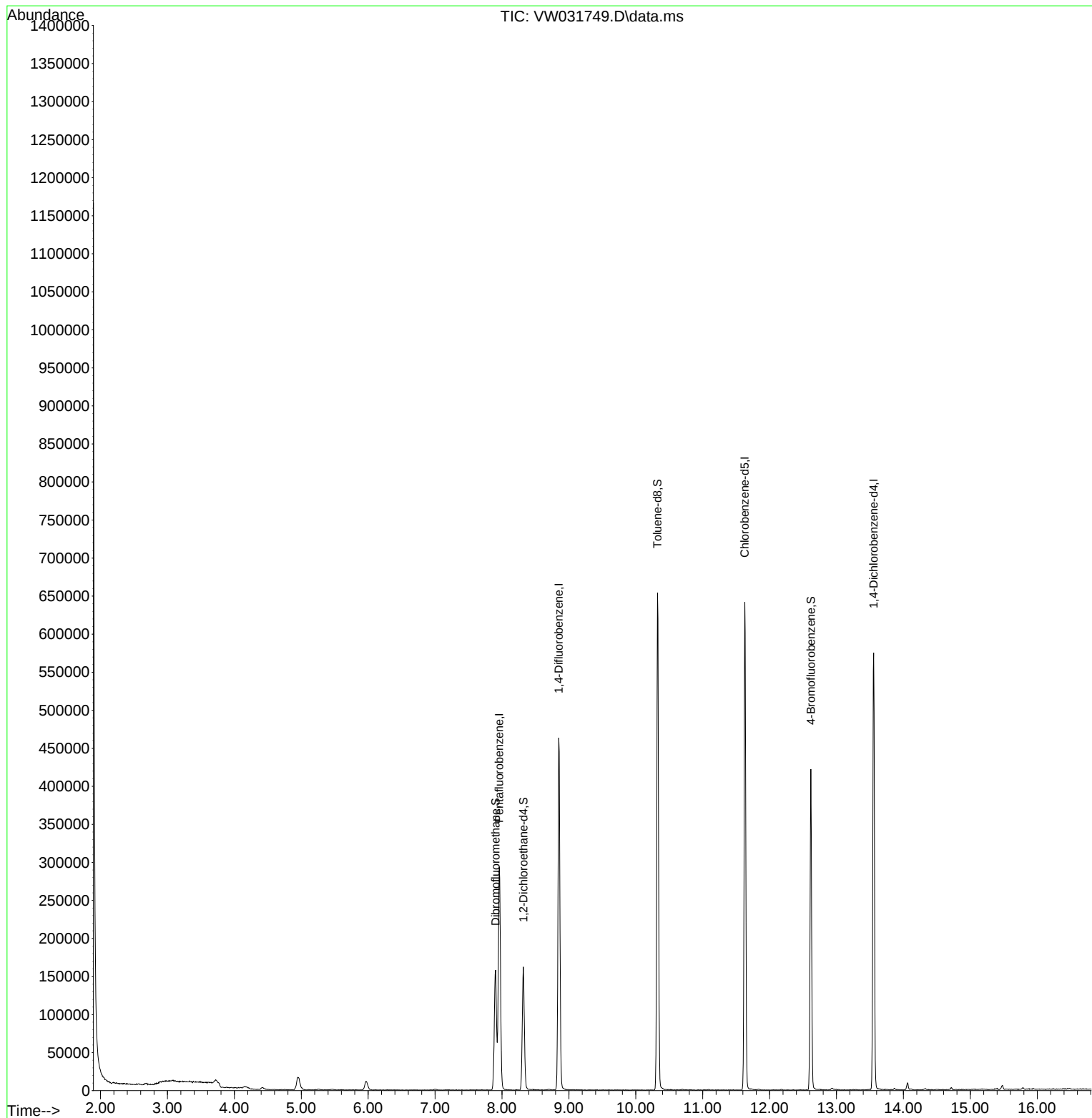
Target Compounds	Qvalue

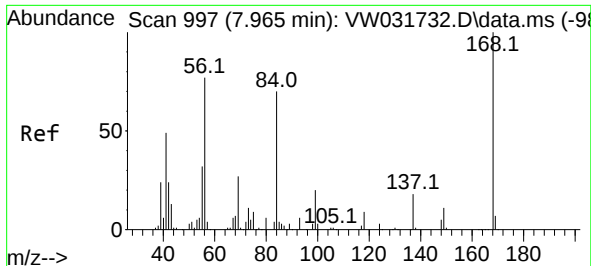
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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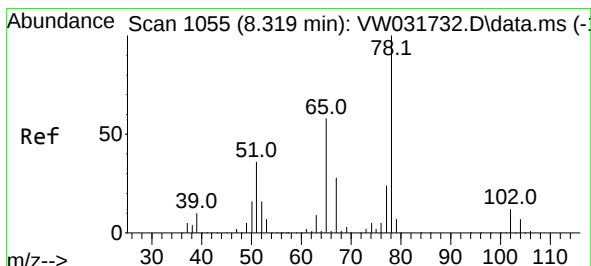
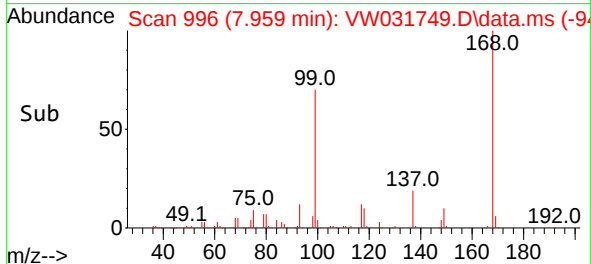
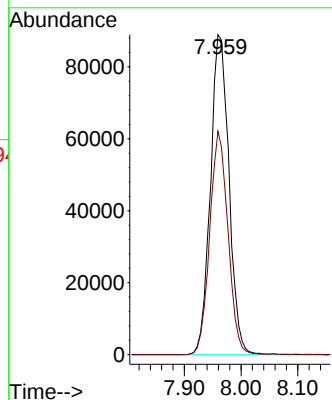
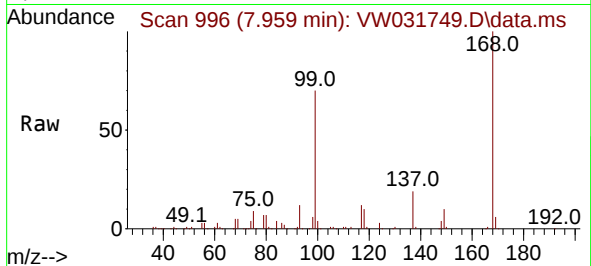




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031749.D
Acq: 02 Jul 2025 10:19

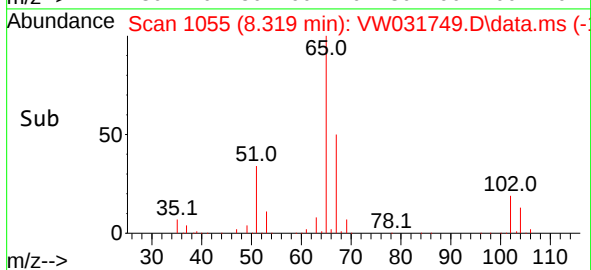
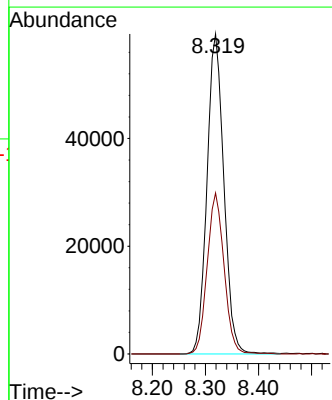
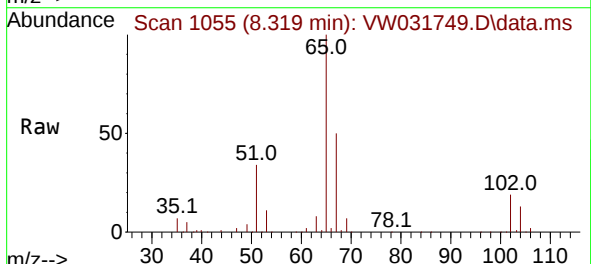
Instrument :
MSVOA_W
ClientSampleId :
VW0702SBL02

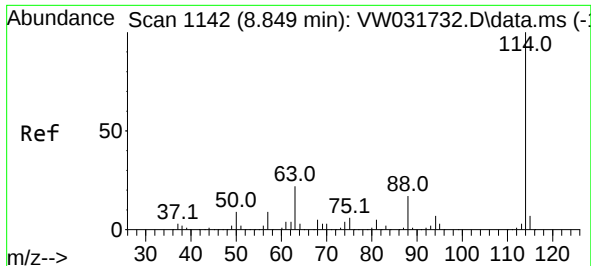
Tgt Ion:168 Resp: 201876
Ion Ratio Lower Upper
168 100
99 69.8 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 45.191 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031749.D
Acq: 02 Jul 2025 10:19

Tgt Ion: 65 Resp: 130926
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031749.D

Acq: 02 Jul 2025 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0702SBL02

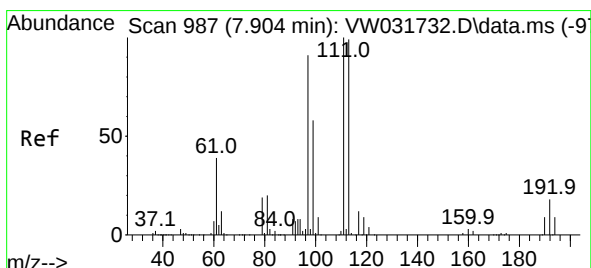
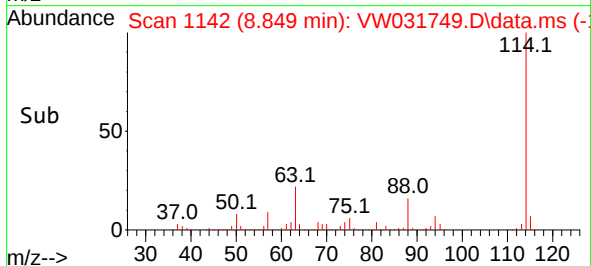
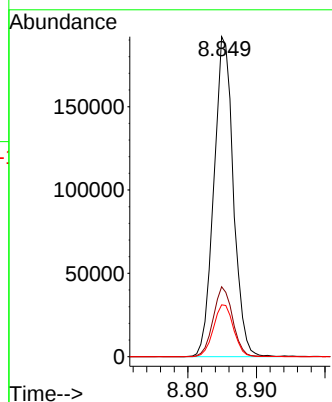
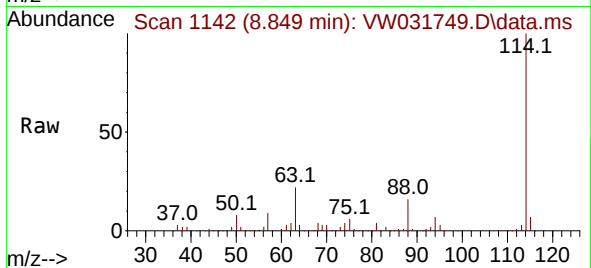
Tgt Ion:114 Resp: 379010

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.6

88 16.2 0.0 34.2



#35

Dibromofluoromethane

Concen: 46.498 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031749.D

Acq: 02 Jul 2025 10:19

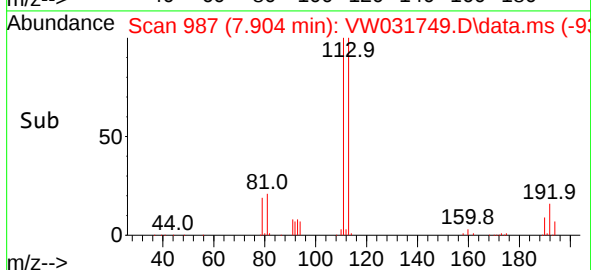
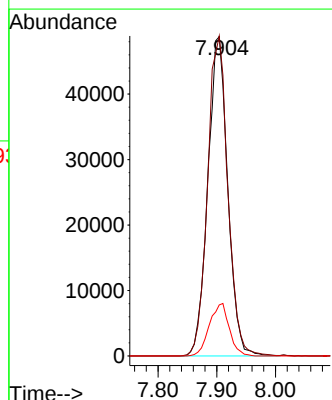
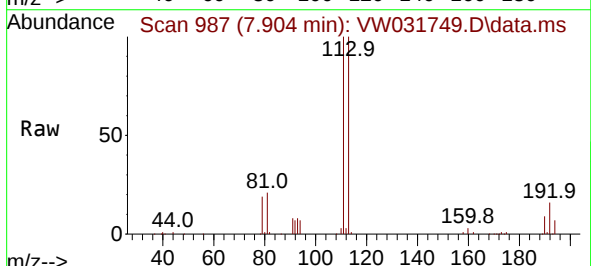
Tgt Ion:113 Resp: 115000

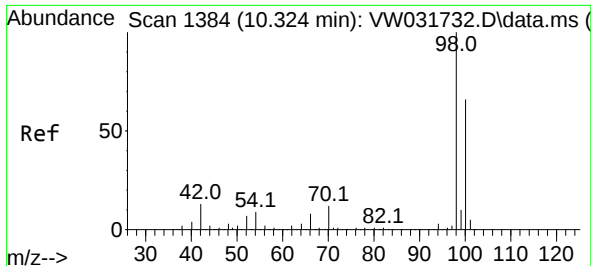
Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 16.4 13.8 20.6

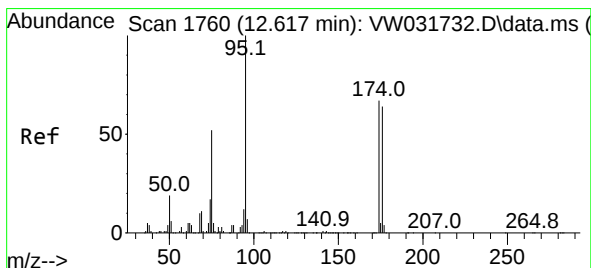
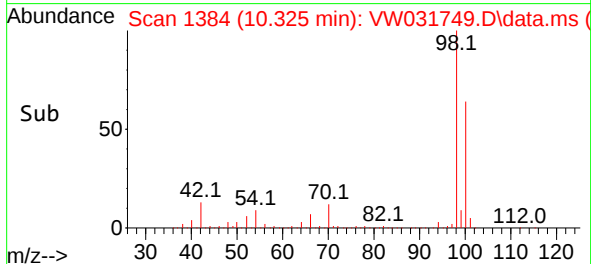
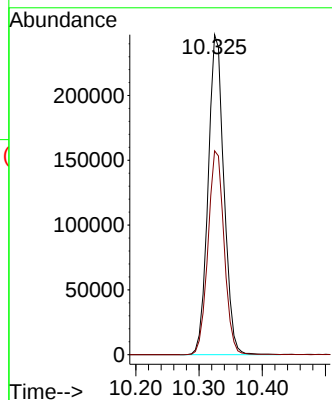
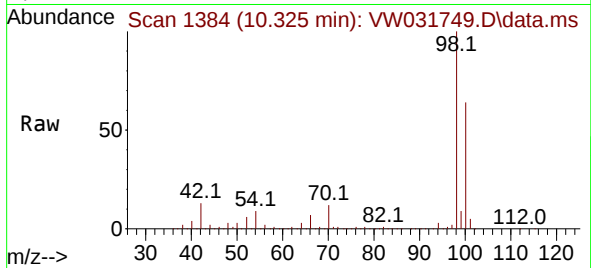




#50
Toluene-d8
Concen: 46.591 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031749.D
Acq: 02 Jul 2025 10:19

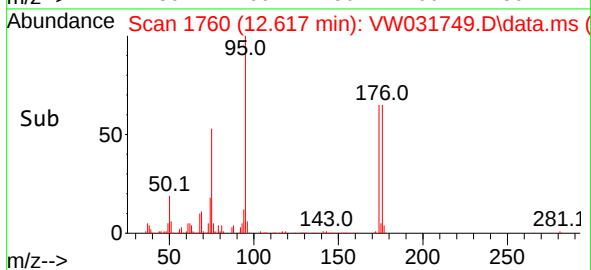
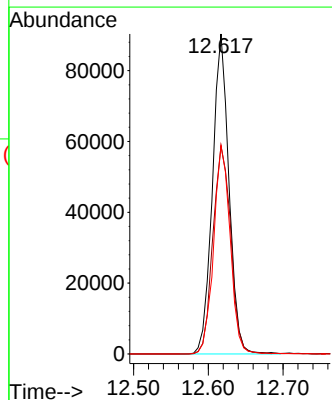
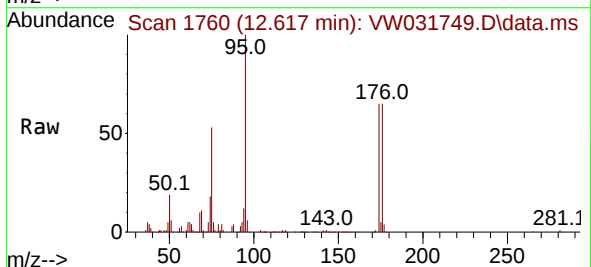
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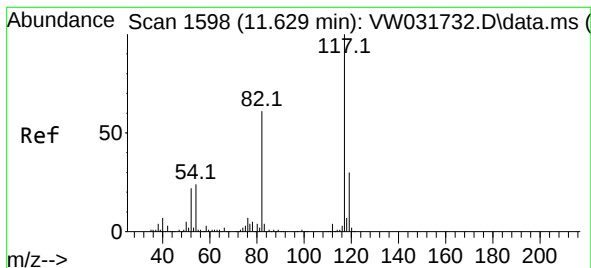
Tgt Ion: 98 Resp: 428817
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.138 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031749.D
Acq: 02 Jul 2025 10:19

Tgt Ion: 95 Resp: 139333
Ion Ratio Lower Upper
95 100
174 70.3 0.0 133.8
176 65.5 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031749.D

Acq: 02 Jul 2025 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0702SBL02

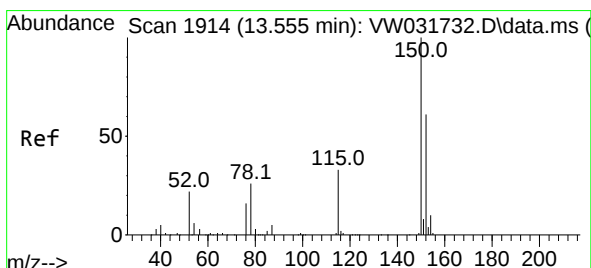
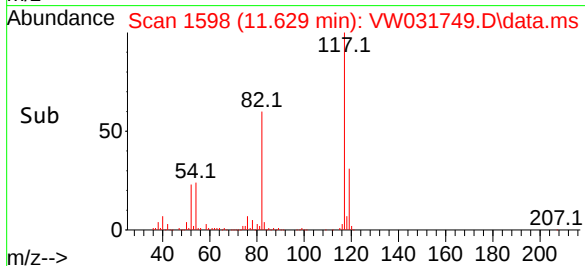
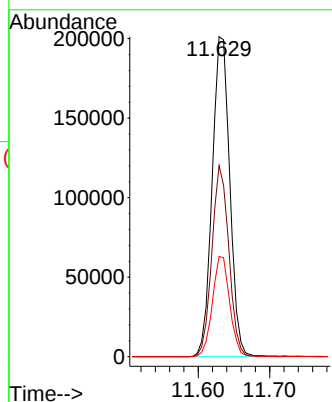
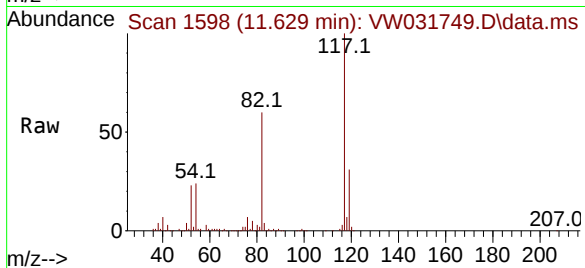
Tgt Ion:117 Resp: 343842

Ion Ratio Lower Upper

117 100

82 59.7 48.6 72.8

119 31.3 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031749.D

Acq: 02 Jul 2025 10:19

Tgt Ion:152 Resp: 145920

Ion Ratio Lower Upper

152 100

115 66.8 31.9 95.7

150 161.1 0.0 356.4

