

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031850.D
 Acq On : 14 Jul 2025 15:30
 Operator : SY/MD
 Sample : Q2597-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-26899

Quant Time: Jul 15 02:45:54 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	7.965	168	186698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	377103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177847	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142500	53.185	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.380%
35) Dibromofluoromethane	7.904	113	122254	48.296	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.600%
50) Toluene-d8	10.325	98	458413	48.663	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.617	95	182480	52.639	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.280%

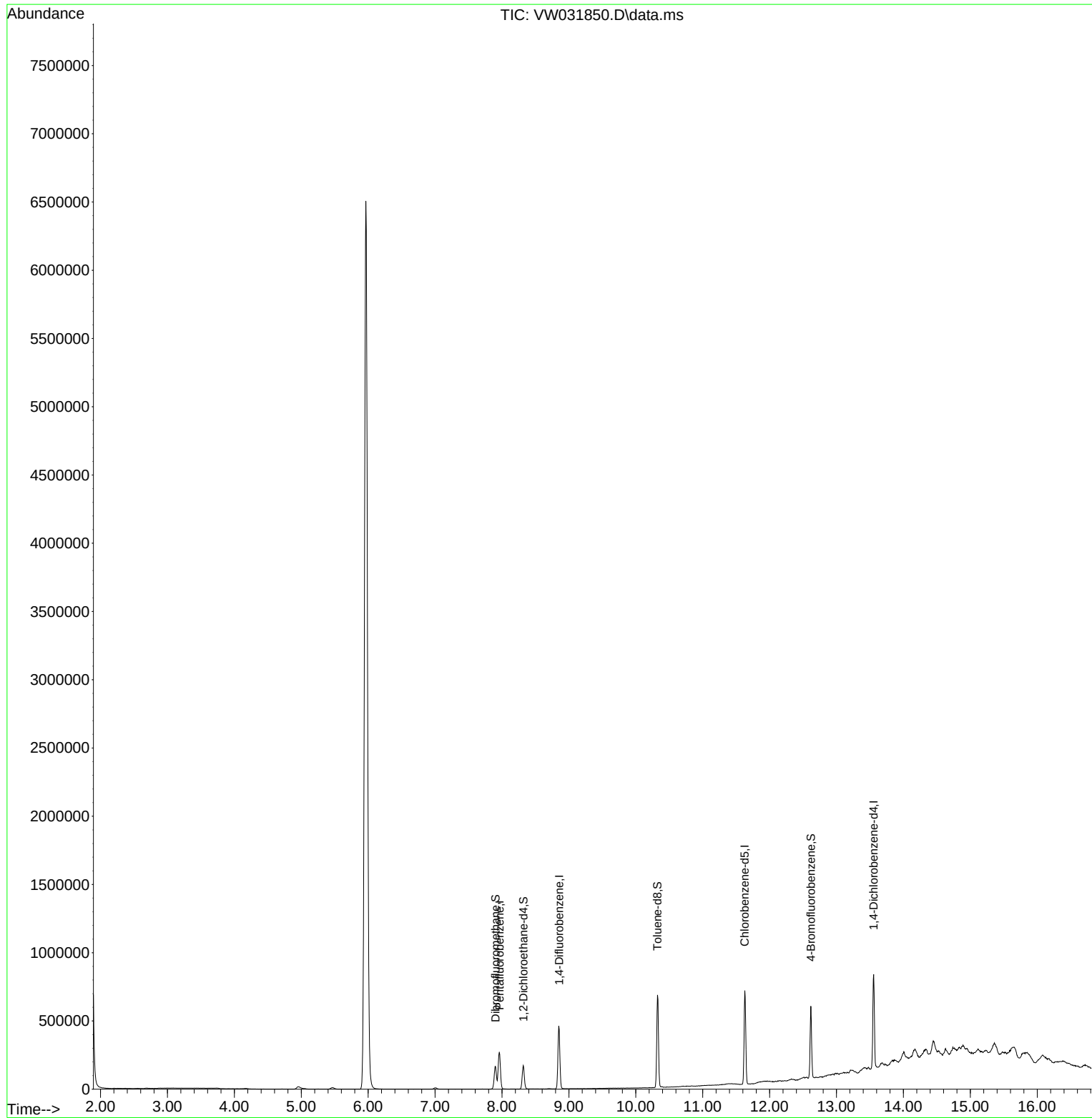
Target Compounds	Qvalue

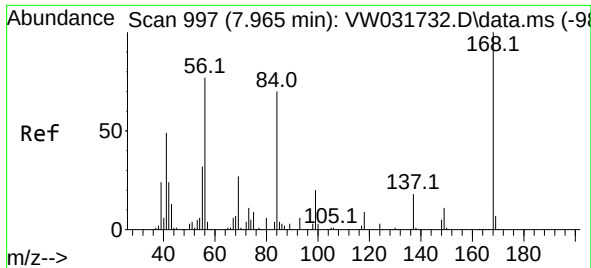
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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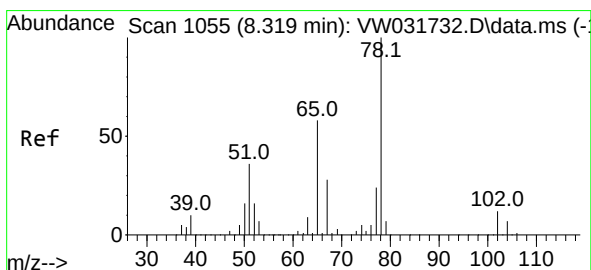
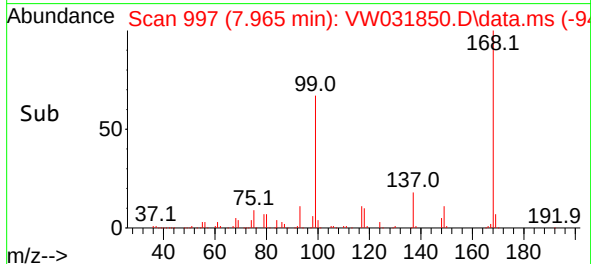
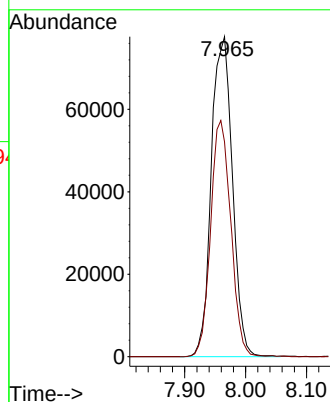
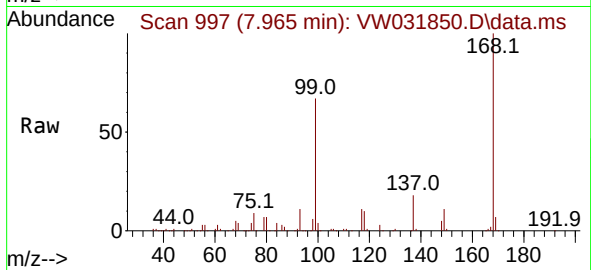




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

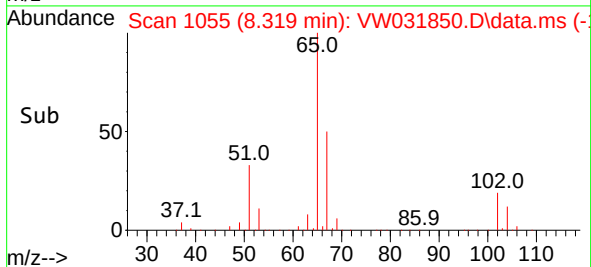
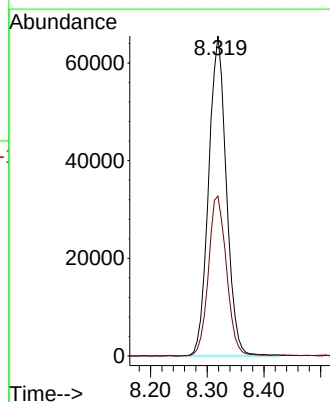
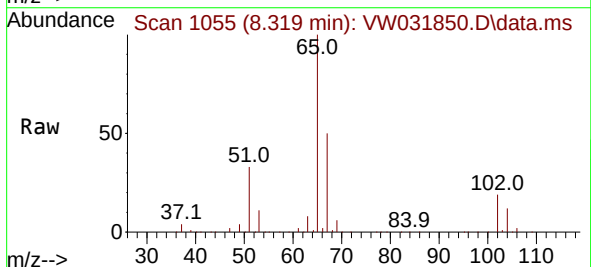
Instrument :
MSVOA_W
ClientSampleId :
CHRT-26899

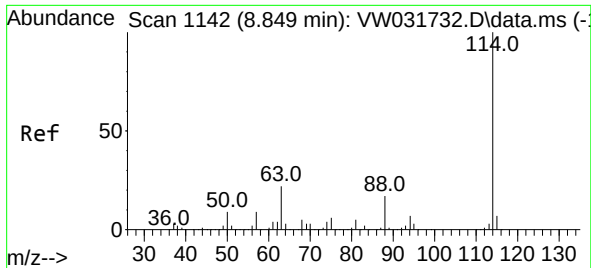
Tgt Ion:168 Resp: 186698
Ion Ratio Lower Upper
168 100
99 67.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 53.185 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

Tgt Ion: 65 Resp: 142500
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.4

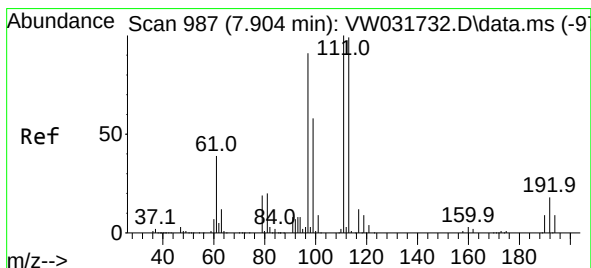
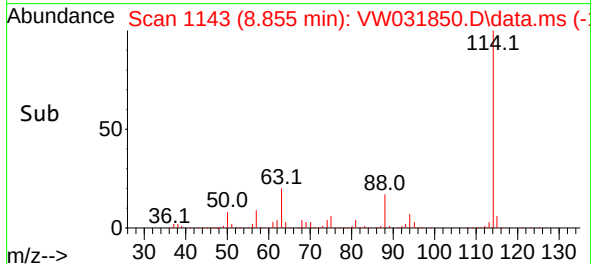
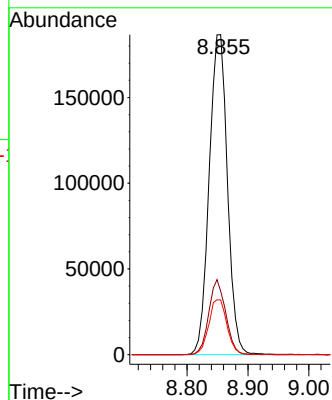
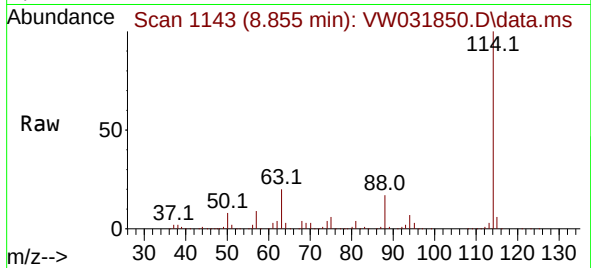




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

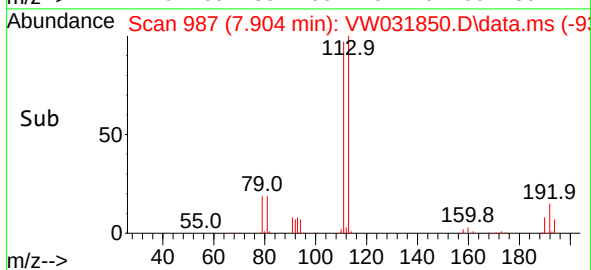
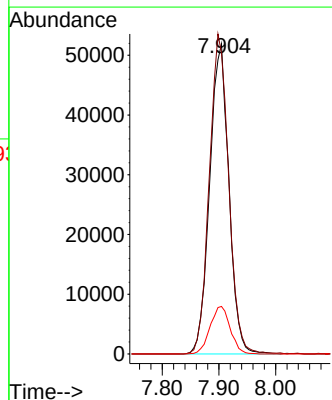
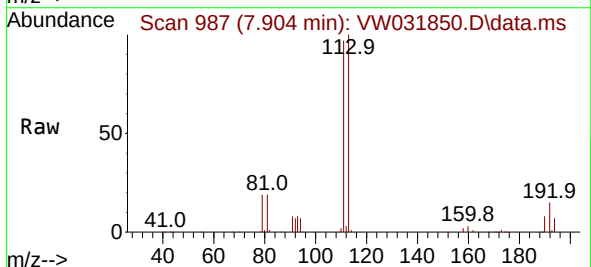
Instrument :
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ClientSampleId :
CHRT-26899

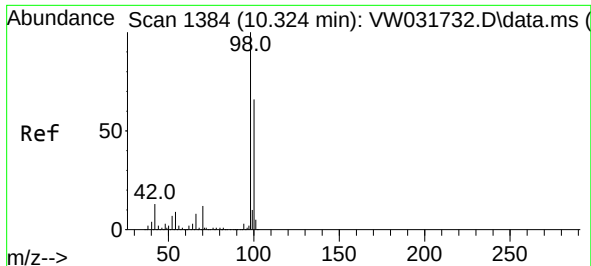
Tgt Ion:114 Resp: 387923
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.6
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.296 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

Tgt Ion:113 Resp: 122254
Ion Ratio Lower Upper
113 100
111 103.9 82.1 123.1
192 16.0 13.8 20.6

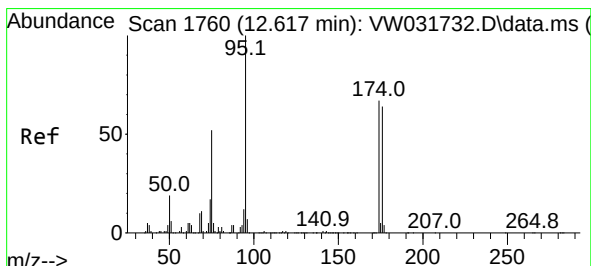
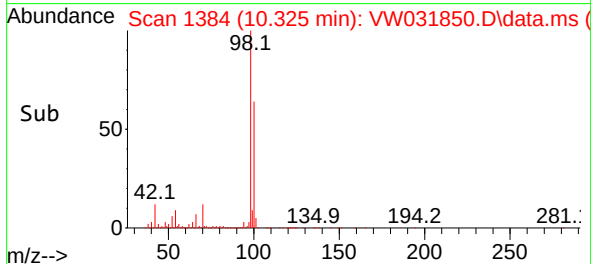
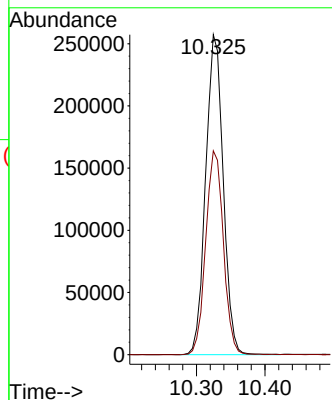
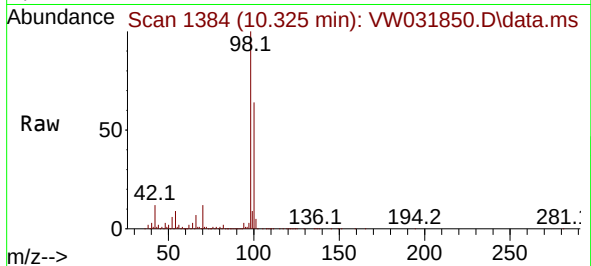




#50
Toluene-d8
Concen: 48.663 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

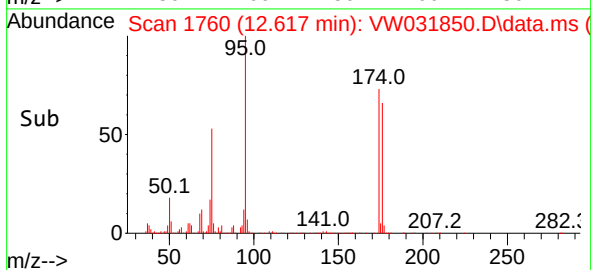
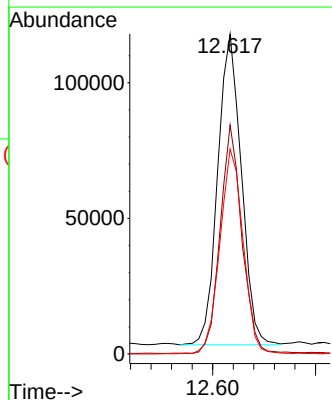
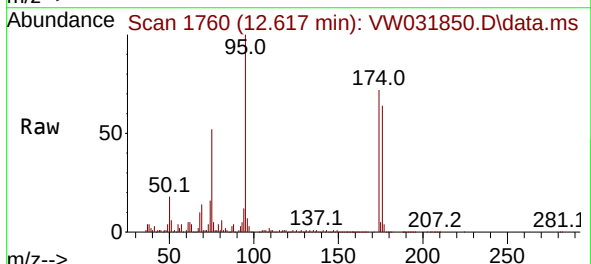
Instrument :
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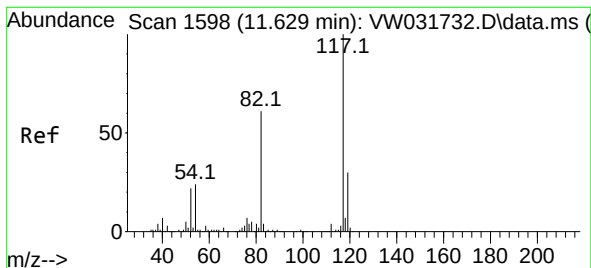
Tgt Ion: 98 Resp: 458413
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.639 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031850.D
Acq: 14 Jul 2025 15:30

Tgt Ion: 95 Resp: 182480
Ion Ratio Lower Upper
95 100
174 67.9 0.0 133.8
176 65.0 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031850.D

Acq: 14 Jul 2025 15:30

Instrument :

MSVOA_W

ClientSampleId :

CHRT-26899

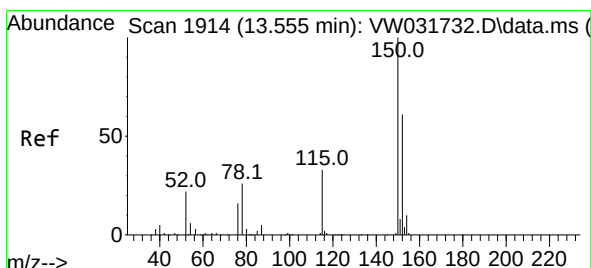
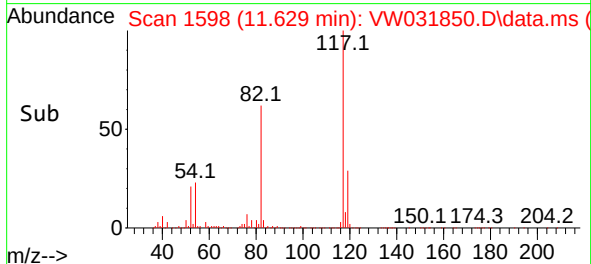
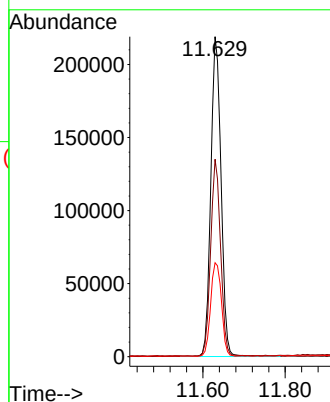
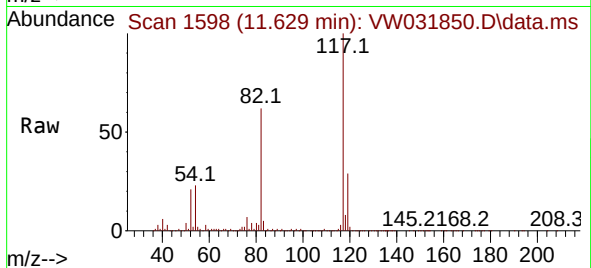
Tgt Ion:117 Resp: 377103

Ion Ratio Lower Upper

117 100

82 61.5 48.6 72.8

119 29.2 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: VW031850.D

Acq: 14 Jul 2025 15:30

Tgt Ion:152 Resp: 177847

Ion Ratio Lower Upper

152 100

115 67.7 31.9 95.7

150 156.3 0.0 356.4

