

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031945.D
 Acq On : 28 Jul 2025 15:02
 Operator : SY/MD
 Sample : Q2710-01
 Misc : 5.20g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-07282025

Quant Time: Jul 29 01:21:02 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	155034	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	326215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	296767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	136461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	119238	50.842	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	101.680%
35) Dibromofluoromethane	7.898	113	99384	44.835	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	89.660%
50) Toluene-d8	10.325	98	373274	44.493	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.980%
62) 4-Bromofluorobenzene	12.617	95	136180	42.274	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	84.540%

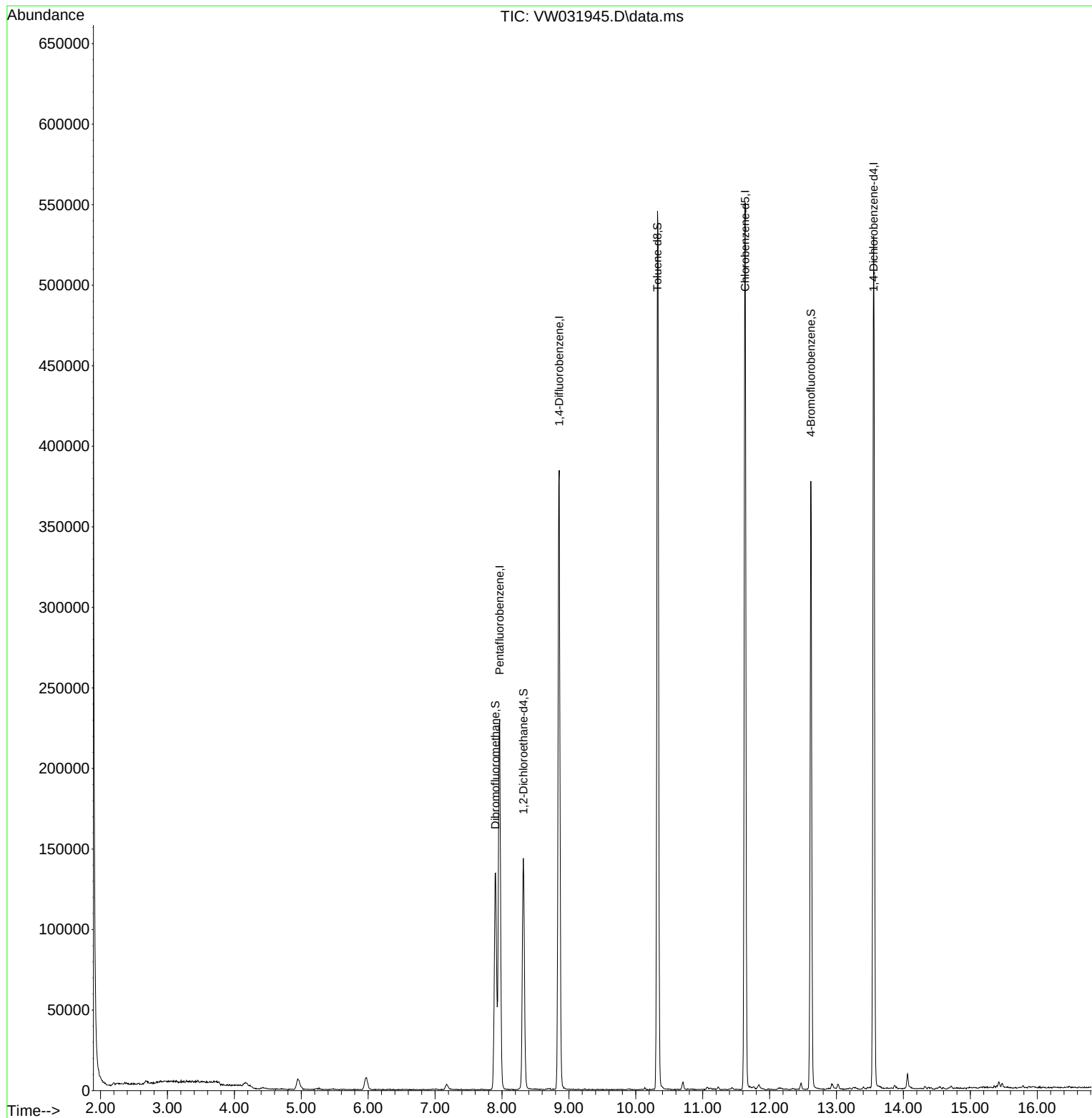
Target Compounds	Qvalue

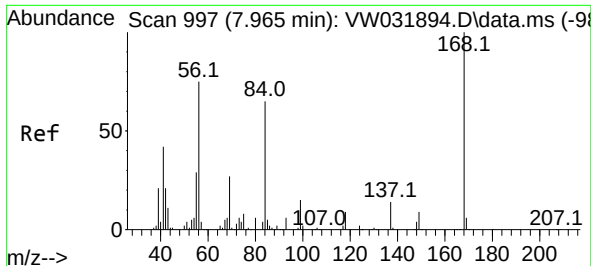
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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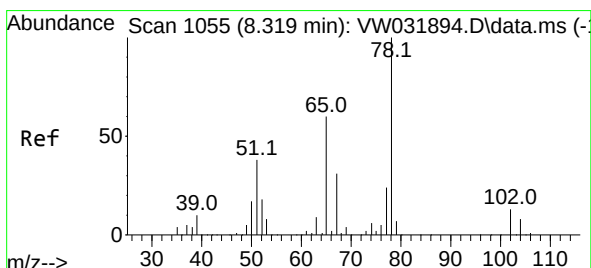
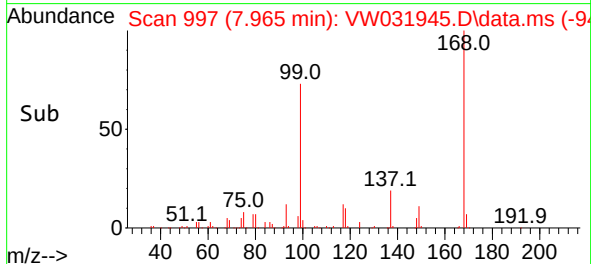
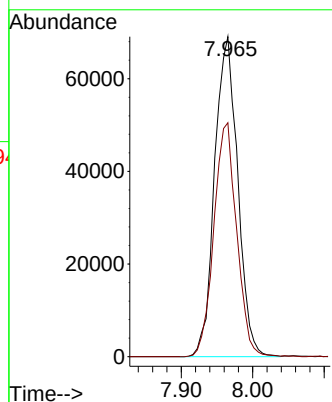
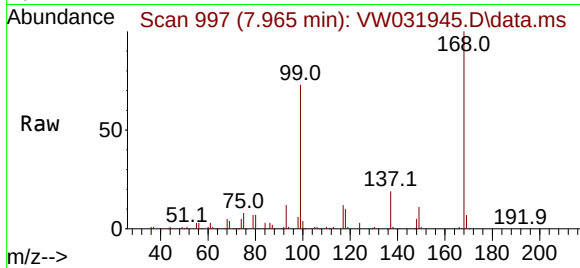




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

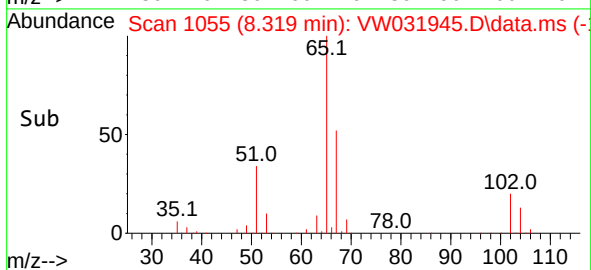
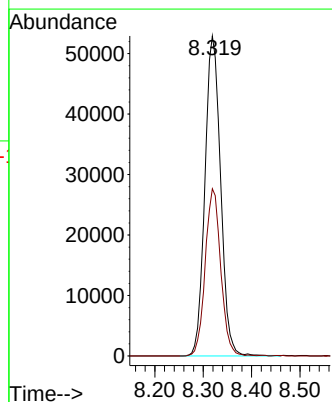
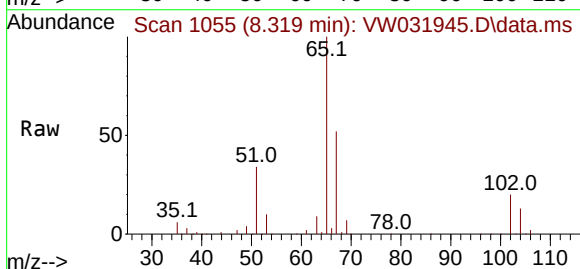
Instrument :
MSVOA_W
ClientSampleId :
JC-03-07282025

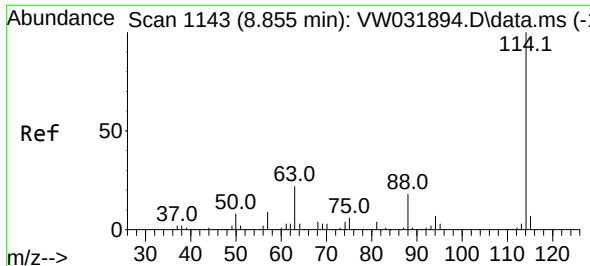
Tgt Ion:168 Resp: 155034
Ion Ratio Lower Upper
168 100
99 73.1 48.2 72.2#



#33
1,2-Dichloroethane-d4
Concen: 50.842 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

Tgt Ion: 65 Resp: 119238
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4

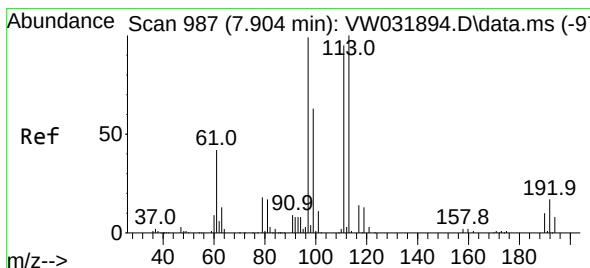
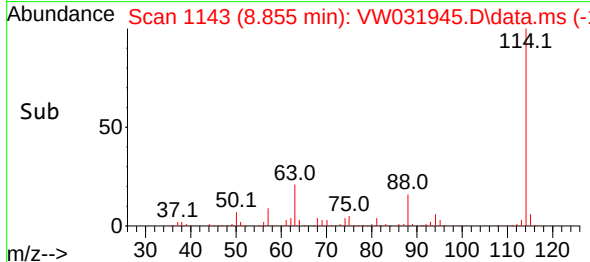
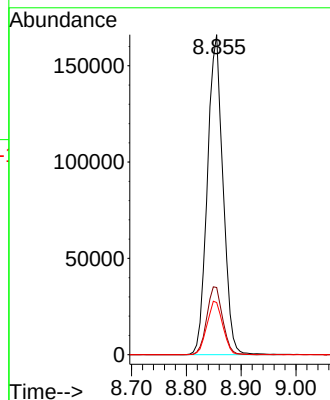
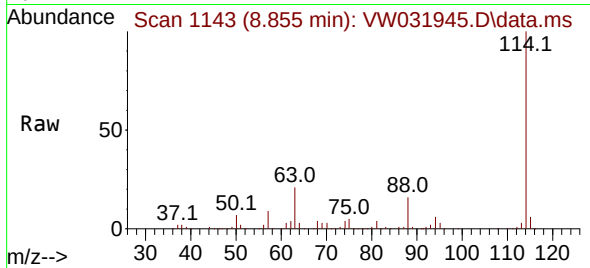




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

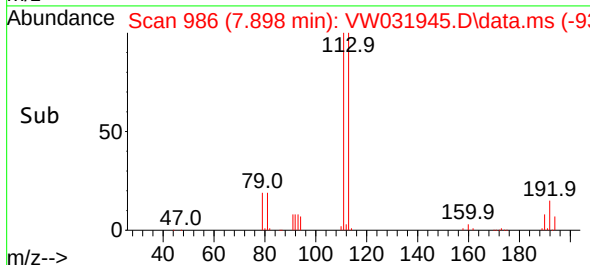
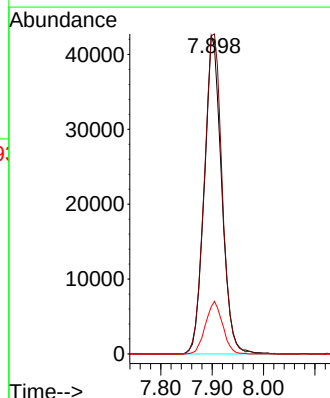
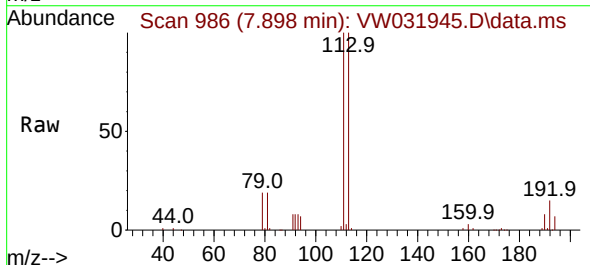
Instrument :
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ClientSampleId :
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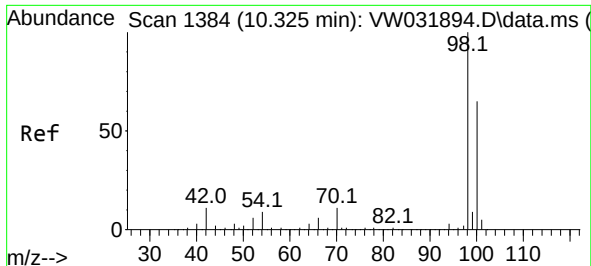
Tgt Ion:114 Resp: 326215
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.2
88 16.3 0.0 35.6



#35
Dibromofluoromethane
Concen: 44.835 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

Tgt Ion:113 Resp: 99384
Ion Ratio Lower Upper
113 100
111 103.8 79.9 119.9
192 16.4 12.6 19.0

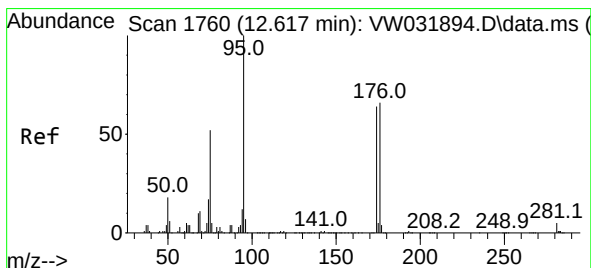
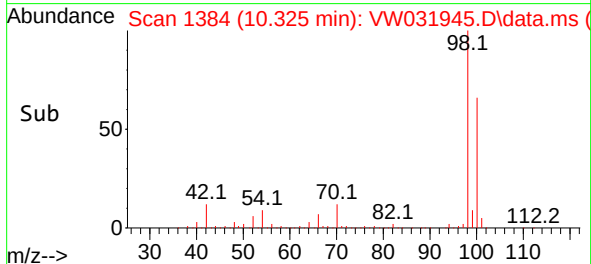
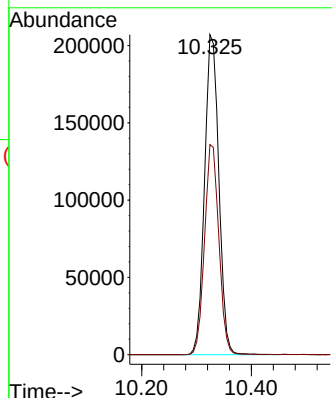
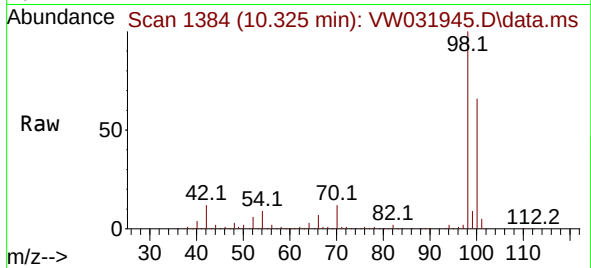




#50
Toluene-d8
Concen: 44.493 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

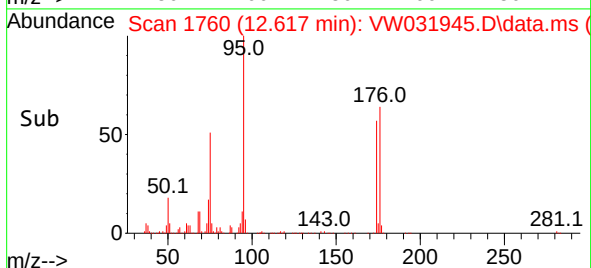
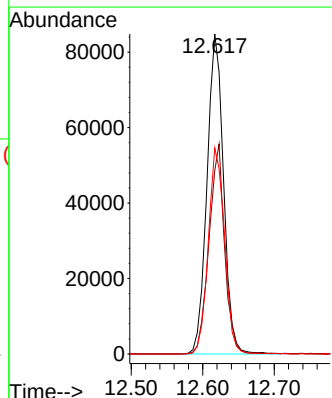
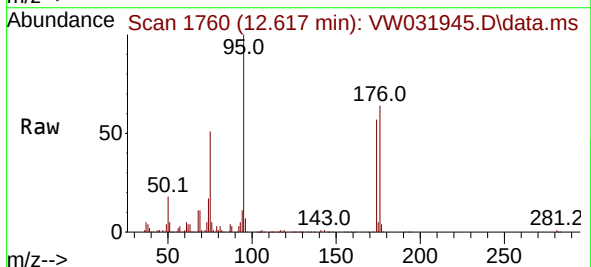
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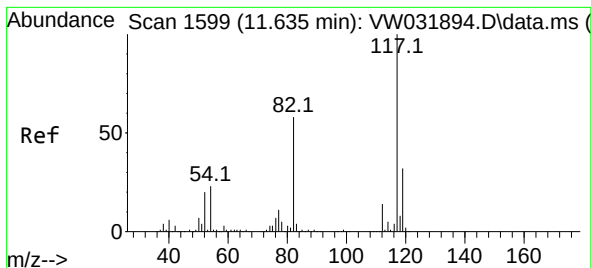
Tgt Ion: 98 Resp: 373274
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.274 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031945.D
Acq: 28 Jul 2025 15:02

Tgt Ion: 95 Resp: 136180
Ion Ratio Lower Upper
95 100
174 61.8 0.0 129.8
176 63.6 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031945.D

Acq: 28 Jul 2025 15:02

Instrument :

MSVOA_W

ClientSampleId :

JC-03-07282025

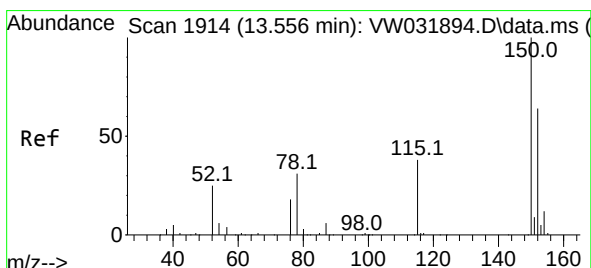
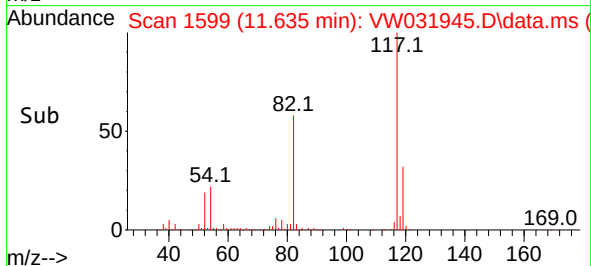
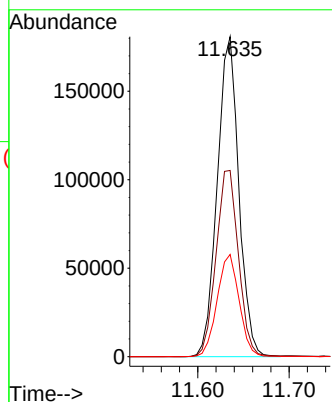
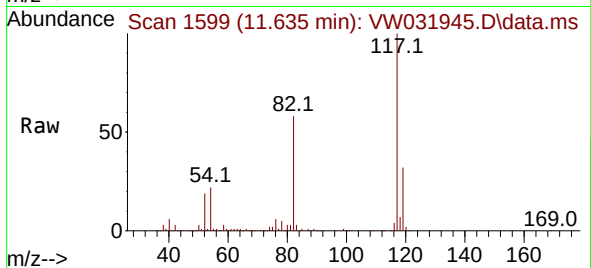
Tgt Ion:117 Resp: 296767

Ion Ratio Lower Upper

117 100

82 58.2 46.5 69.7

119 31.9 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: VW031945.D

Acq: 28 Jul 2025 15:02

Tgt Ion:152 Resp: 136461

Ion Ratio Lower Upper

152 100

115 66.3 33.4 100.1

150 155.9 0.0 352.2

