

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031991.D
 Acq On : 04 Aug 2025 11:22
 Operator : SY/MD
 Sample : Q2747-01RE
 Misc : 3.93g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125RE

Quant Time: Aug 05 01:16:24 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	7.959	168	182402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	364170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132965	48.188	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.380%
35) Dibromofluoromethane	7.898	113	121261	49.003	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.000%
50) Toluene-d8	10.325	98	429410	45.850	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.700%
62) 4-Bromofluorobenzene	12.617	95	114570	31.859	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	63.720%

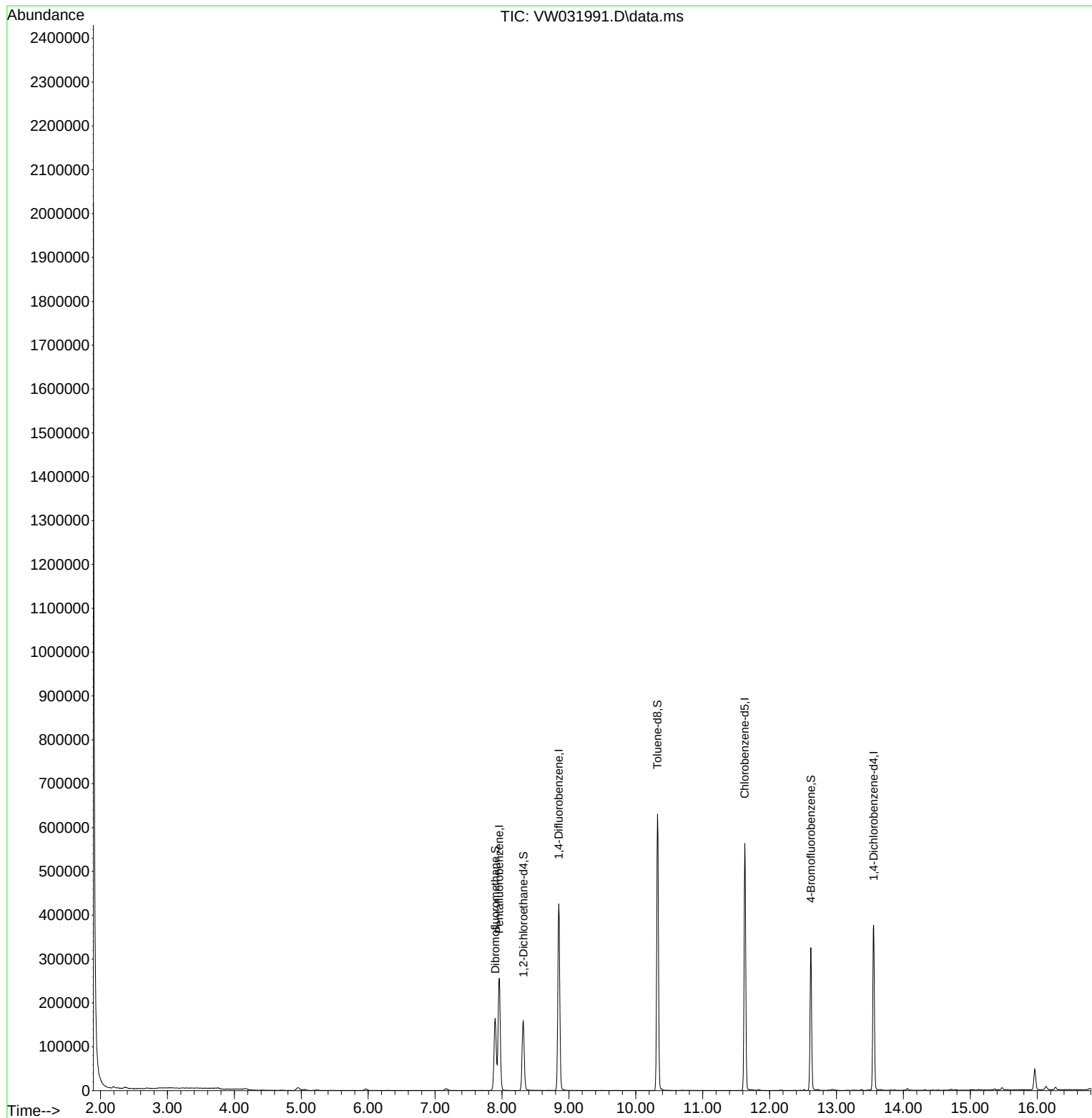
Target Compounds	Qvalue

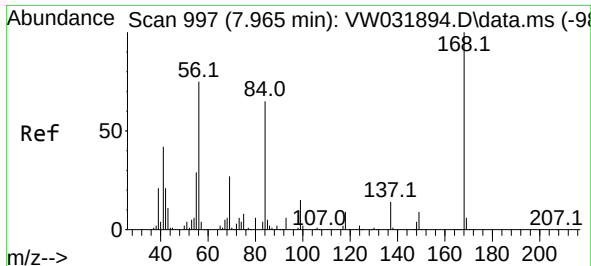
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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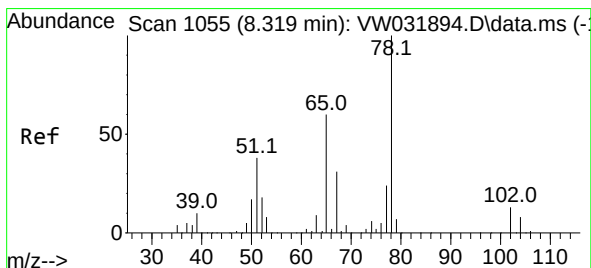
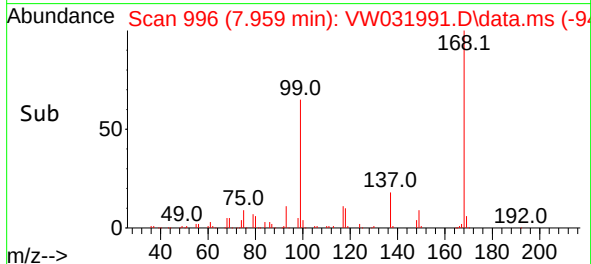
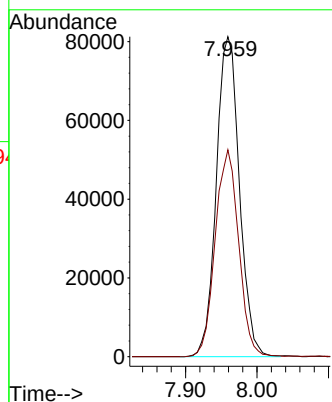
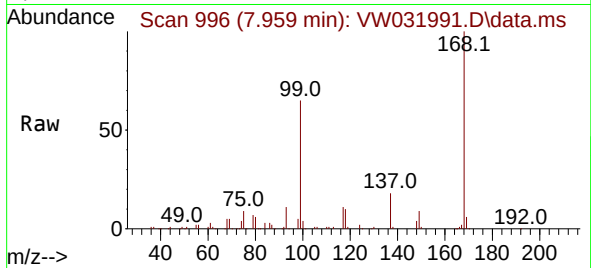




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

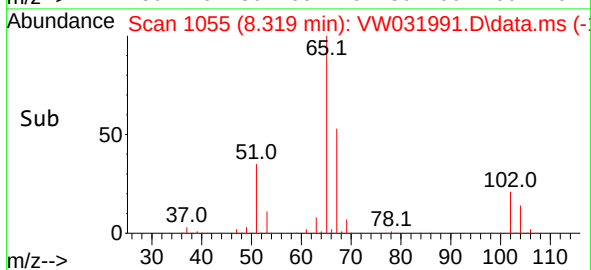
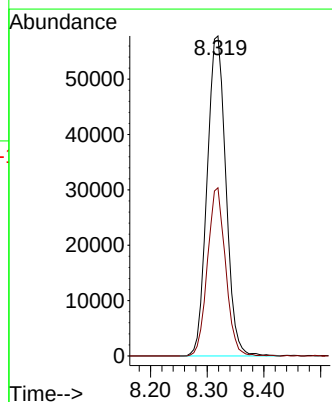
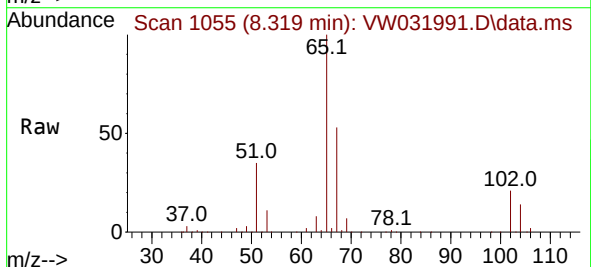
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

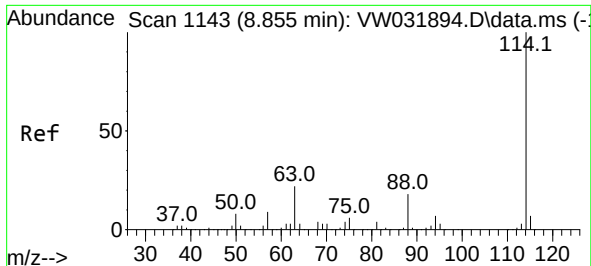
Tgt Ion:168 Resp: 182402
Ion Ratio Lower Upper
168 100
99 64.7 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 48.188 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion: 65 Resp: 132965
Ion Ratio Lower Upper
65 100
67 50.6 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: VW031991.D

Acq: 04 Aug 2025 11:22

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG2-073125RE

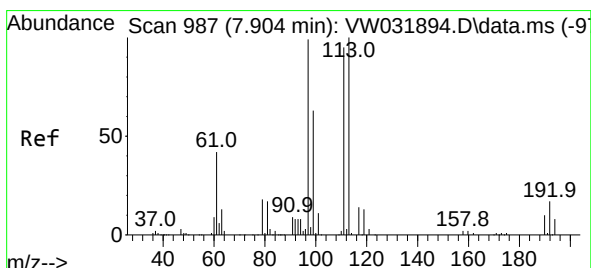
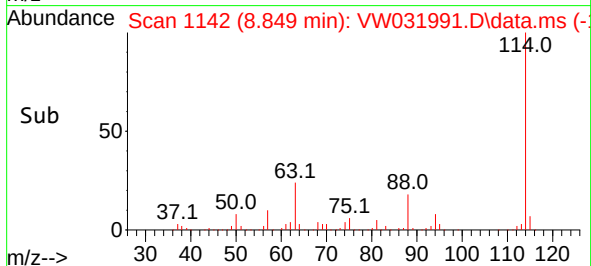
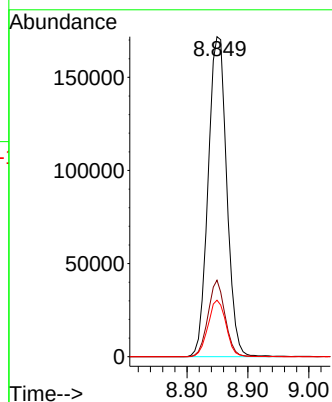
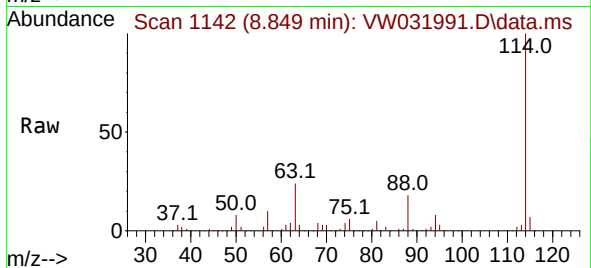
Tgt Ion:114 Resp: 364170

Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.2

88 17.6 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.003 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031991.D

Acq: 04 Aug 2025 11:22

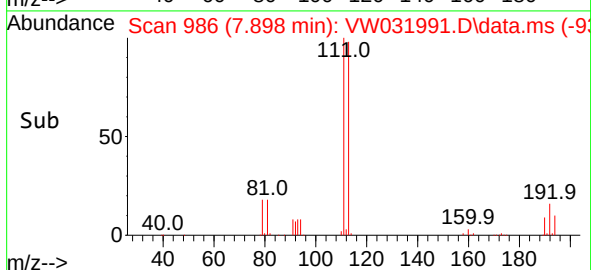
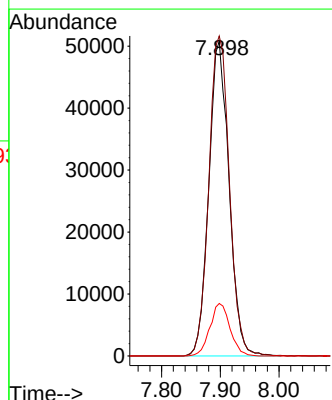
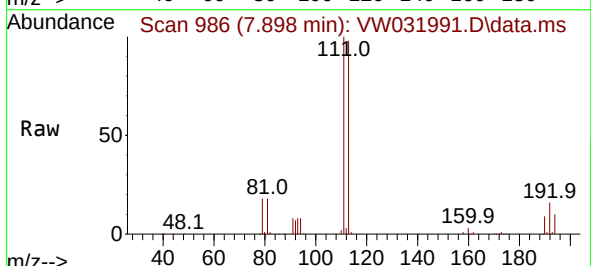
Tgt Ion:113 Resp: 121261

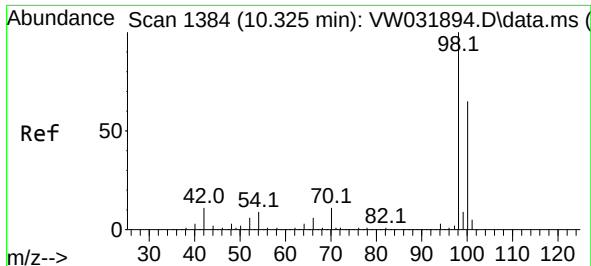
Ion Ratio Lower Upper

113 100

111 103.7 79.9 119.9

192 16.6 12.6 19.0

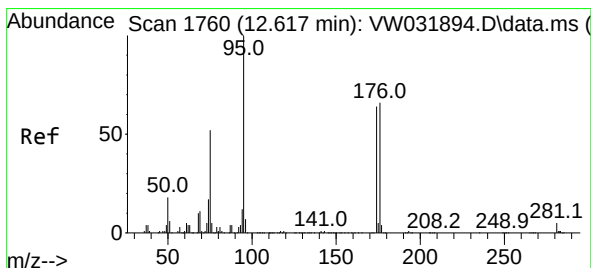
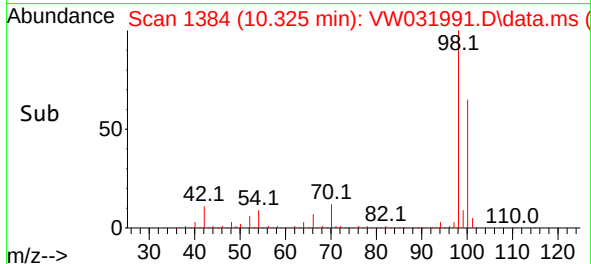
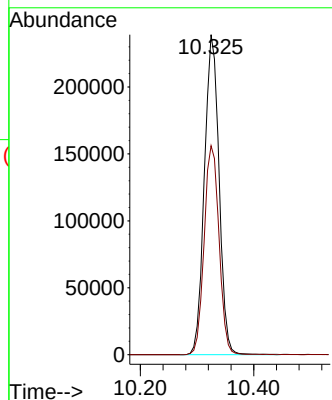
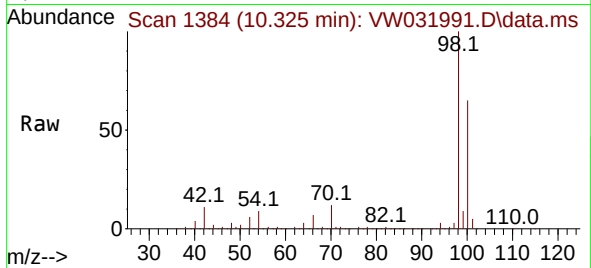




#50
Toluene-d8
Concen: 45.850 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

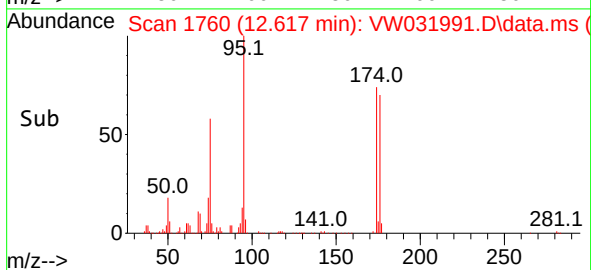
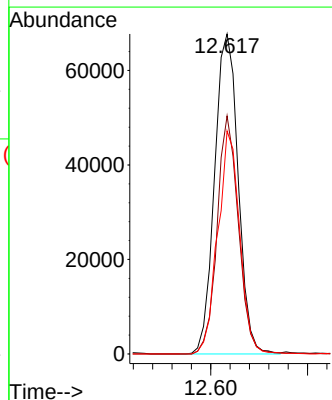
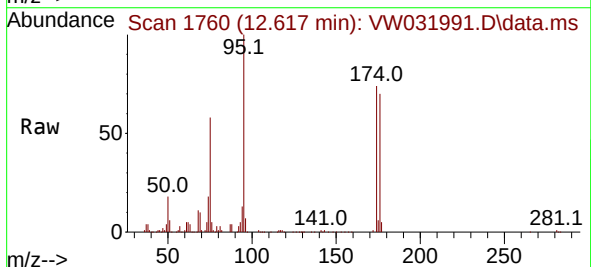
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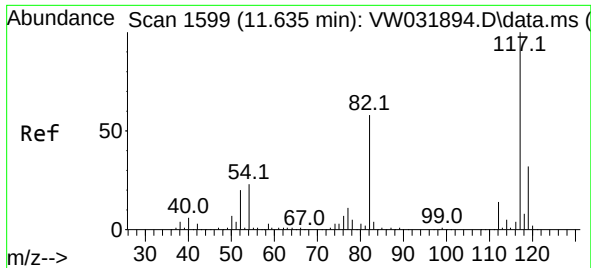
Tgt Ion: 98 Resp: 429410
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 31.859 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion: 95 Resp: 114570
Ion Ratio Lower Upper
95 100
174 67.3 0.0 129.8
176 64.8 0.0 130.4

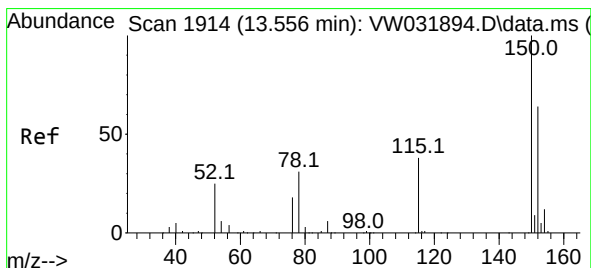
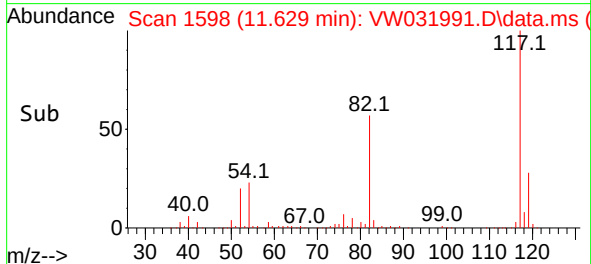
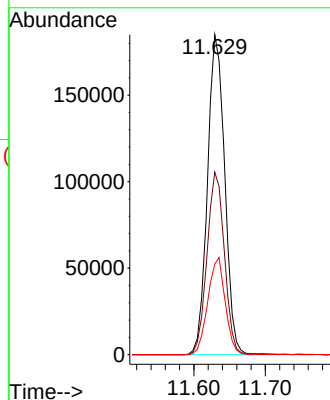
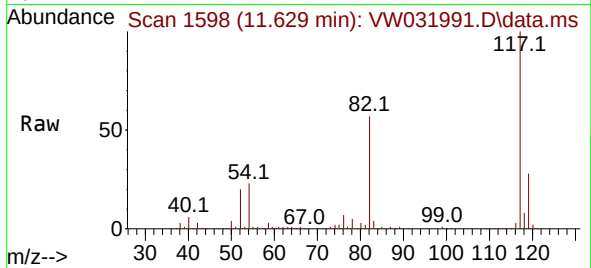




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Tgt Ion:117 Resp: 310098
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 28.3 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: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion:152 Resp: 100373
Ion Ratio Lower Upper
152 100
115 65.3 33.4 100.1
150 151.1 0.0 352.2

