

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
 Data File : VW031965.D
 Acq On : 31 Jul 2025 11:34
 Operator : SY/MD
 Sample : VW0731SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0731SBL01

Quant Time: Aug 01 01:13:01 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	169764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	371489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173809	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	136239	53.051	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.100%
35) Dibromofluoromethane	7.898	113	121730	48.223	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.440%
50) Toluene-d8	10.324	98	446187	46.703	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.617	95	158594	43.232	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	86.460%

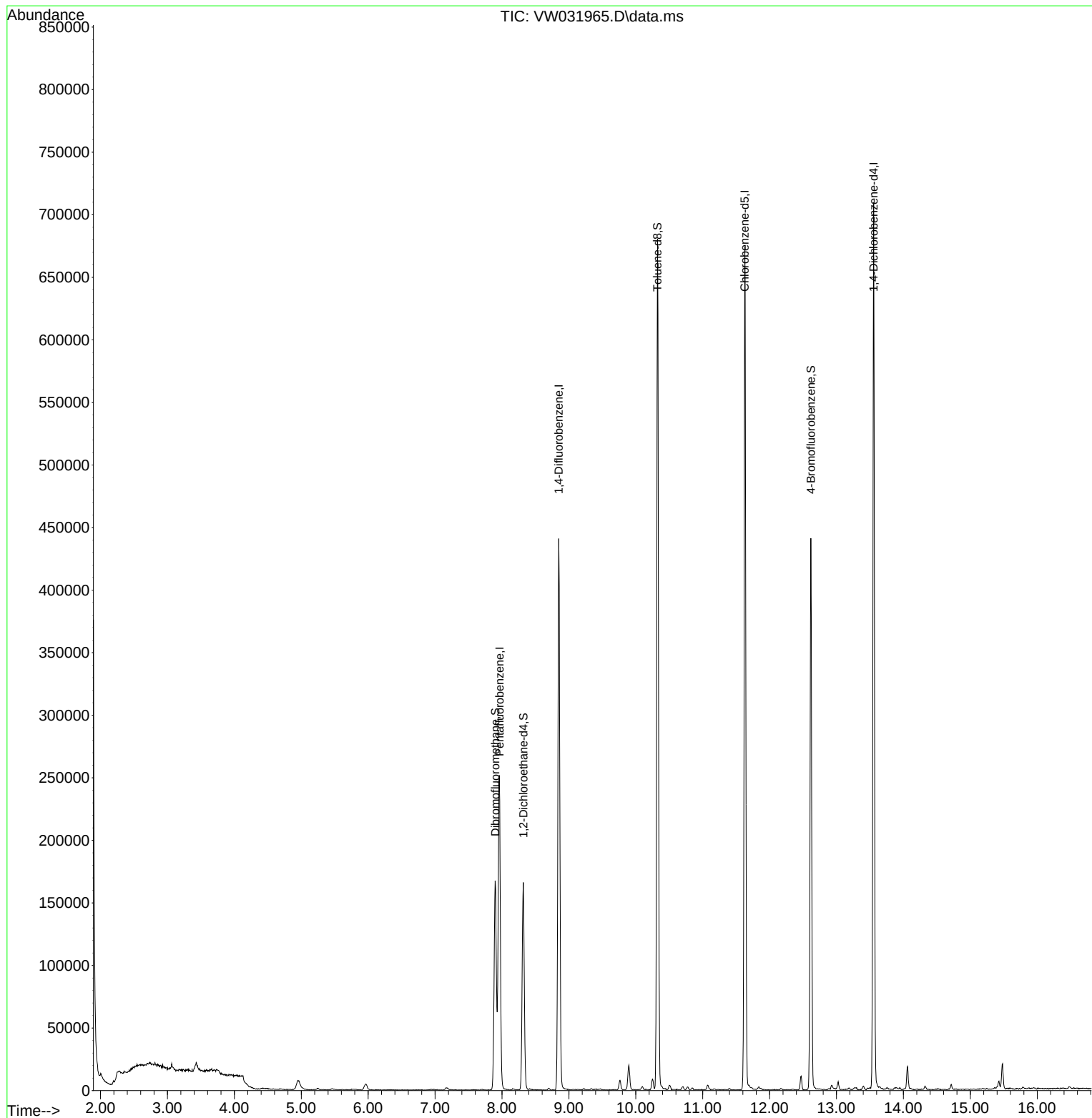
Target Compounds	Qvalue

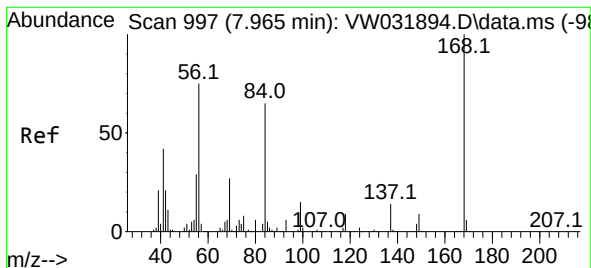
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW031965.D

Acq: 31 Jul 2025 11:34

Instrument :

MSVOA_W

ClientSampleId :

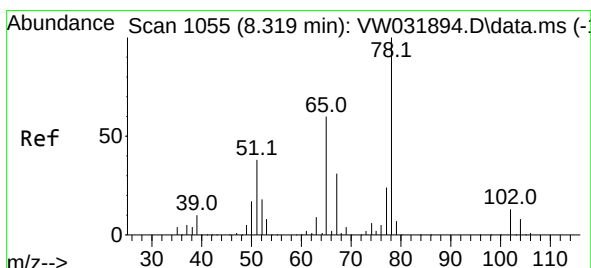
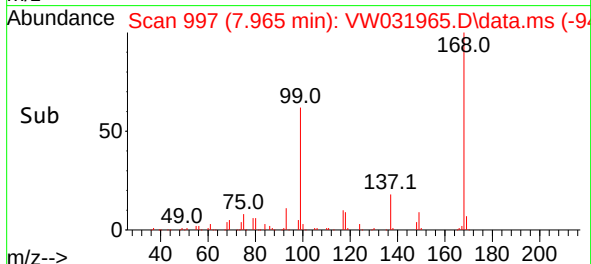
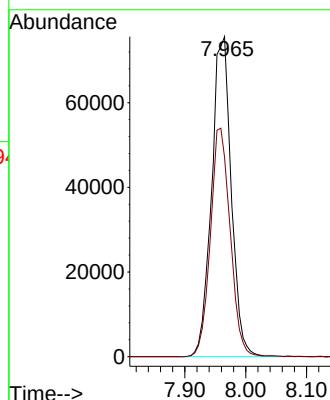
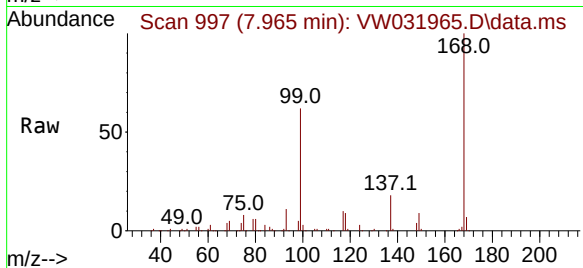
VW0731SBL01

Tgt Ion:168 Resp: 169764

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 53.051 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW031965.D

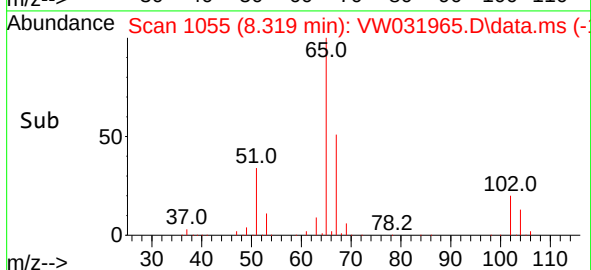
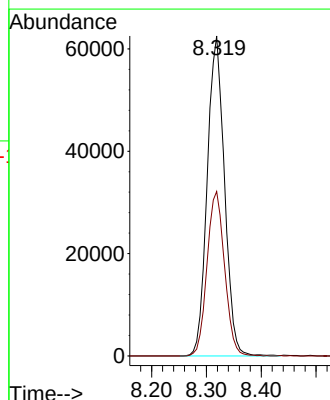
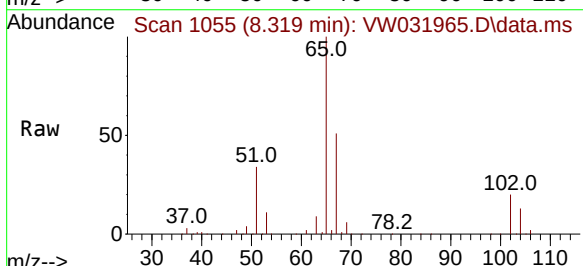
Acq: 31 Jul 2025 11:34

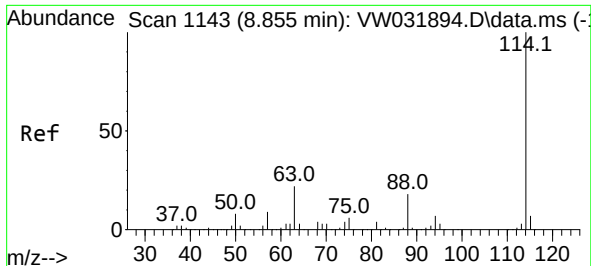
Tgt Ion: 65 Resp: 136239

Ion Ratio Lower Upper

65 100

67 52.2 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: VW031965.D

Acq: 31 Jul 2025 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0731SBL01

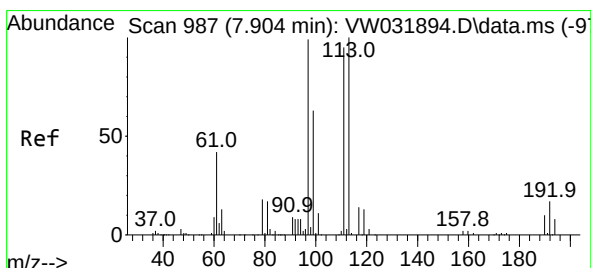
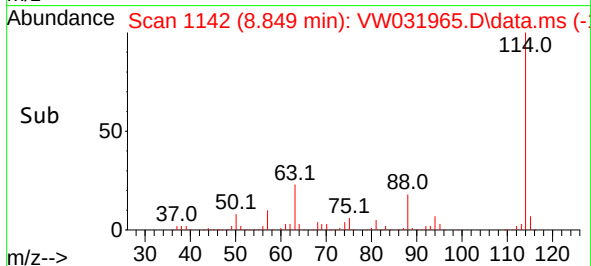
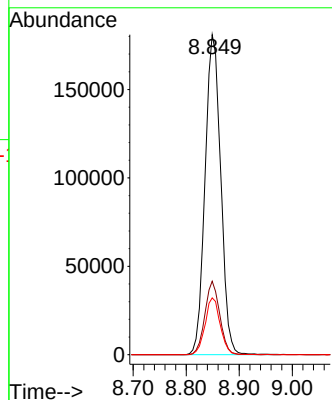
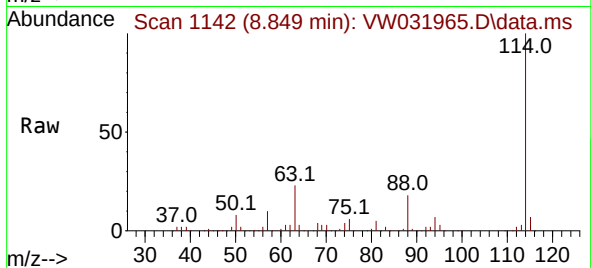
Tgt Ion:114 Resp: 371489

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 17.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.223 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031965.D

Acq: 31 Jul 2025 11:34

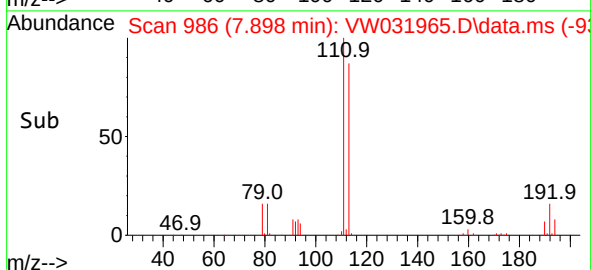
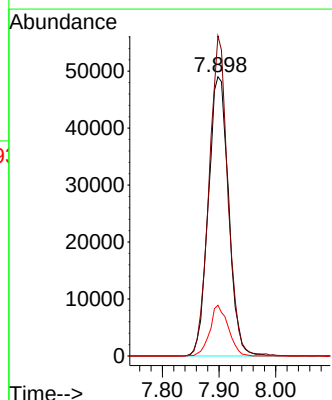
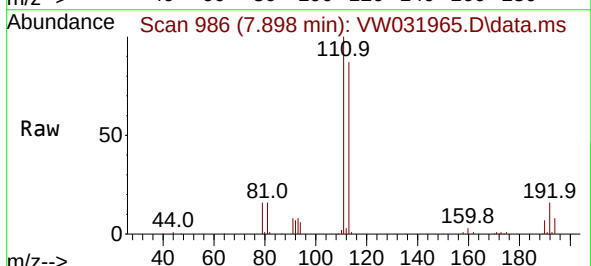
Tgt Ion:113 Resp: 121730

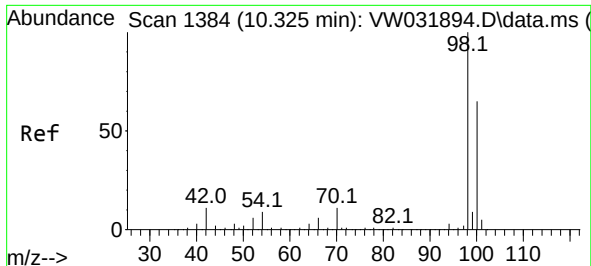
Ion Ratio Lower Upper

113 100

111 106.1 79.9 119.9

192 16.5 12.6 19.0

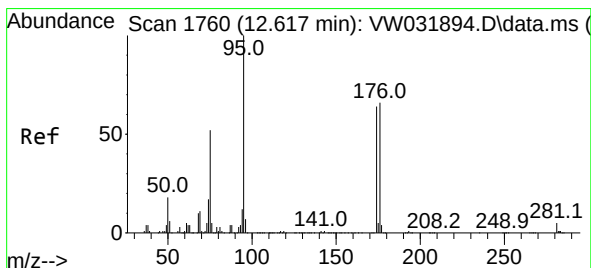
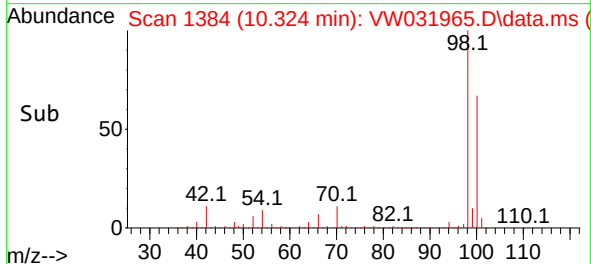
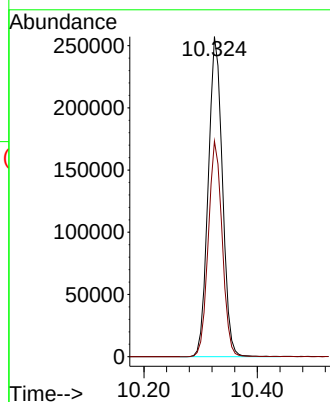
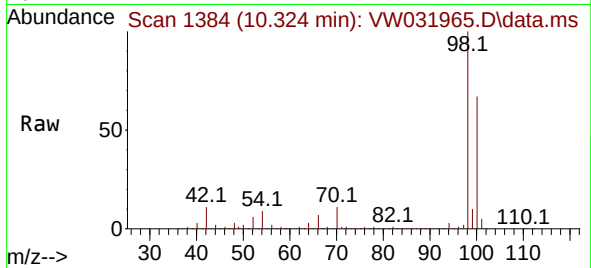




#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031965.D
Acq: 31 Jul 2025 11:34

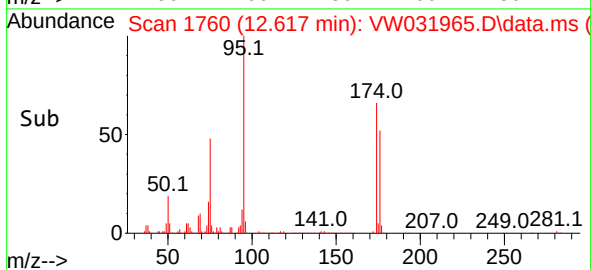
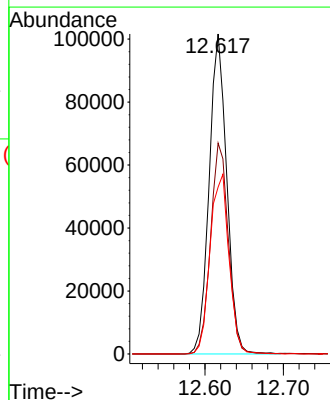
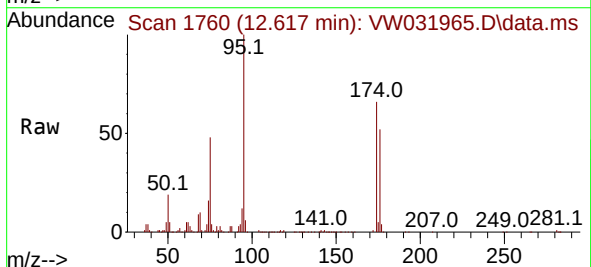
Instrument :
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VW0731SBL01

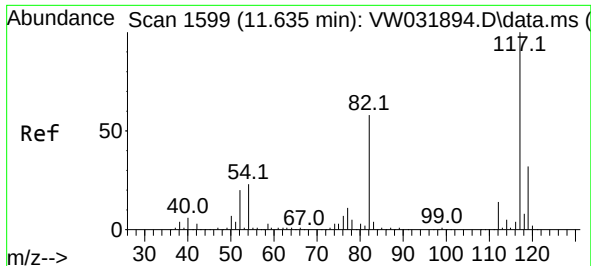
Tgt Ion: 98 Resp: 446187
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.232 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031965.D
Acq: 31 Jul 2025 11:34

Tgt Ion: 95 Resp: 158594
Ion Ratio Lower Upper
95 100
174 66.9 0.0 129.8
176 60.5 0.0 130.4

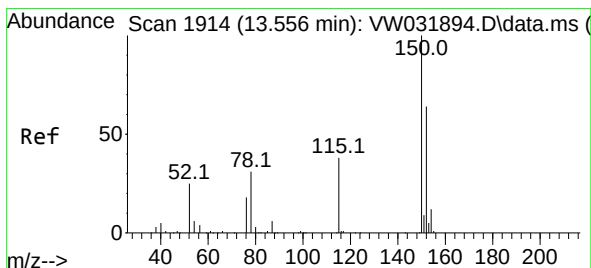
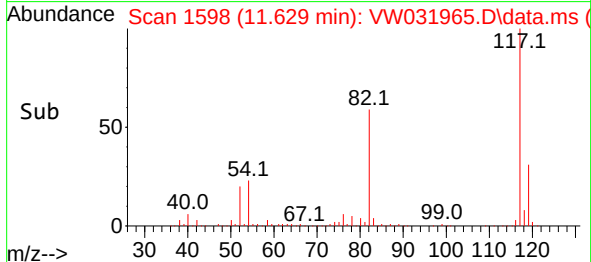
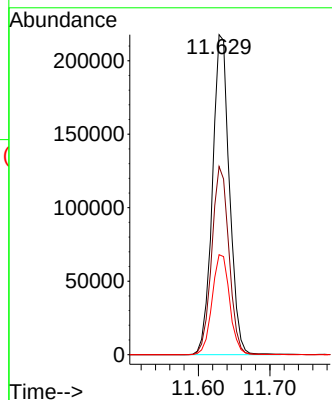
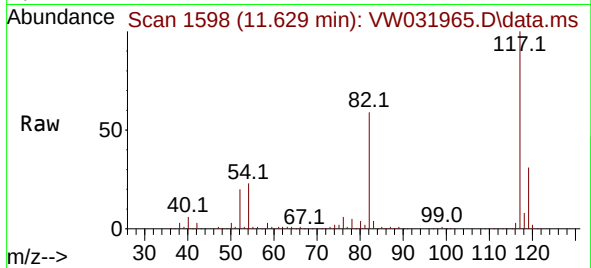




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031965.D
Acq: 31 Jul 2025 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0731SBL01

Tgt Ion:117 Resp: 358693
Ion Ratio Lower Upper
117 100
82 58.8 46.5 69.7
119 31.3 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: VW031965.D
Acq: 31 Jul 2025 11:34

Tgt Ion:152 Resp: 173809
Ion Ratio Lower Upper
152 100
115 64.8 33.4 100.1
150 156.6 0.0 352.2

