

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031909.D
 Acq On : 23 Jul 2025 13:41
 Operator : SY/MD
 Sample : Q2676-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-07222025

Quant Time: Jul 24 02:52:33 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	191830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	387874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	365732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	186074	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	152051	52.397	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	104.800%
35) Dibromofluoromethane	7.904	113	127737	48.465	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.920%
50) Toluene-d8	10.331	98	496499	49.774	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.617	95	184621	48.201	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.400%

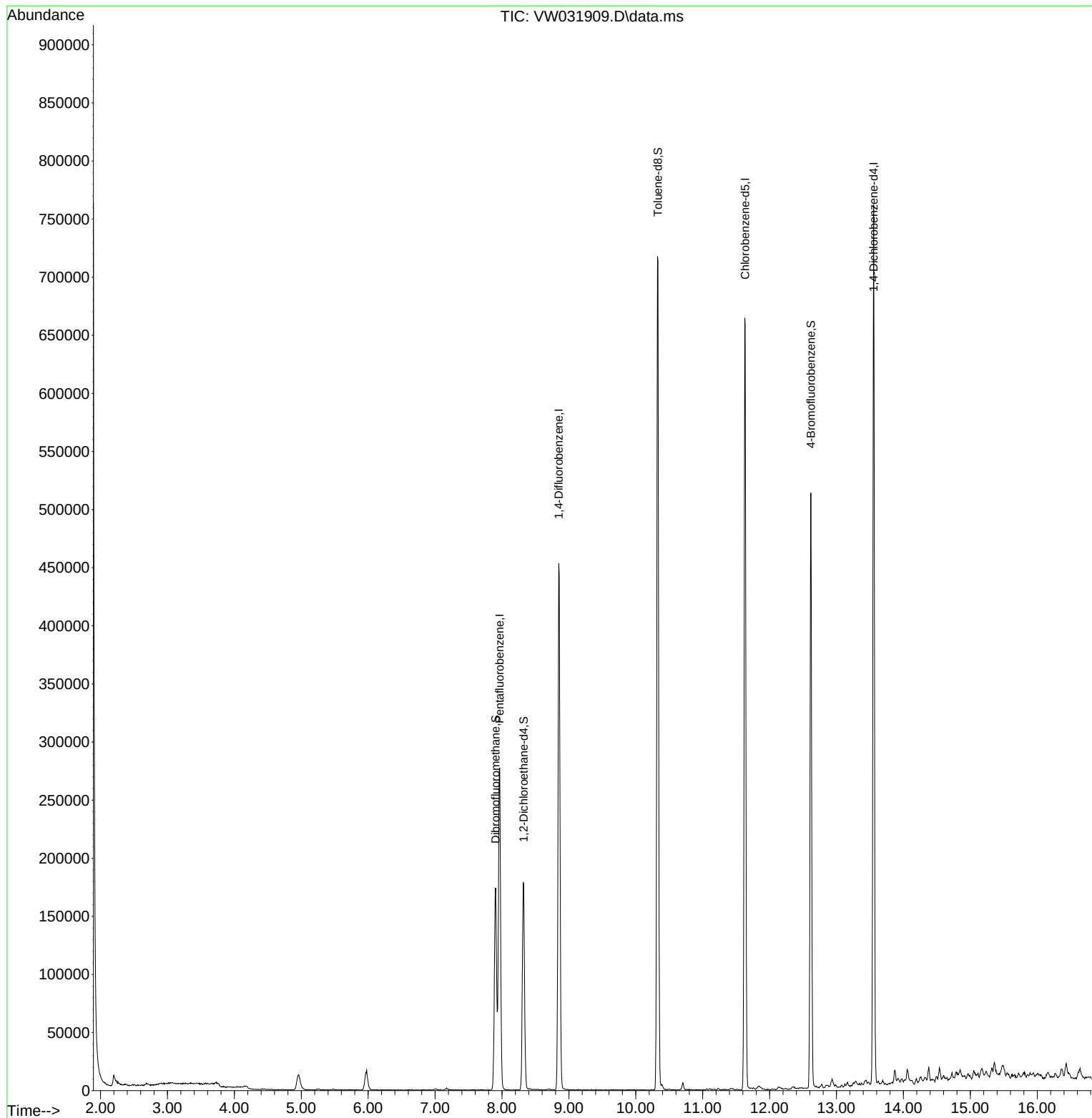
Target Compounds	Qvalue

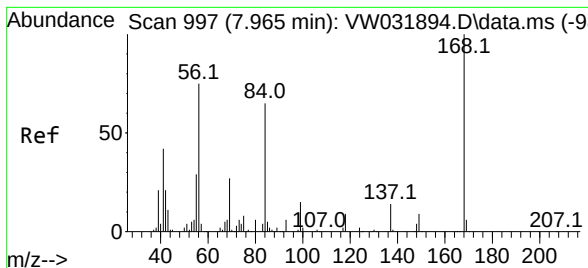
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA_W

ClientSampleId :

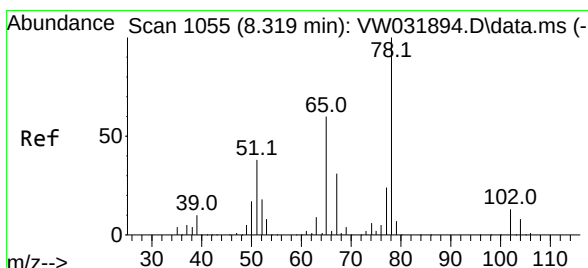
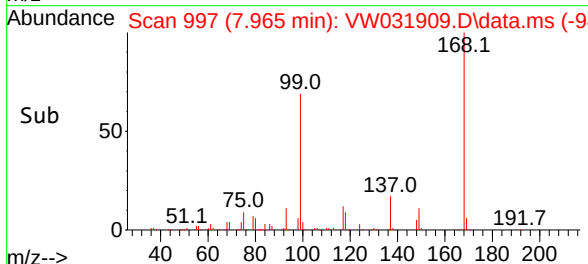
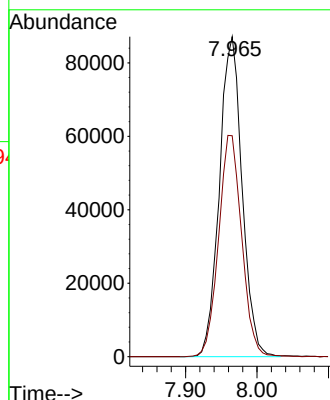
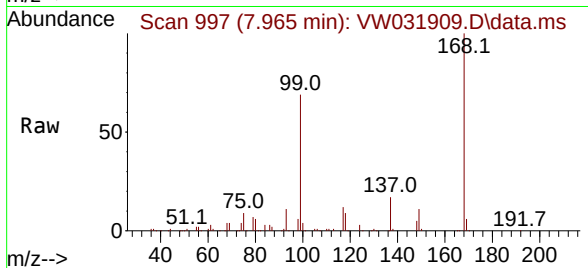
HD-02-07222025

Tgt Ion:168 Resp: 191830

Ion Ratio Lower Upper

168 100

99 69.0 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 52.397 ug/l

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW031909.D

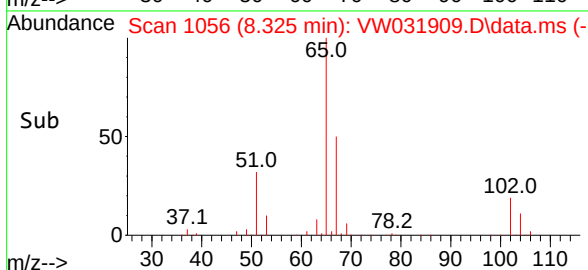
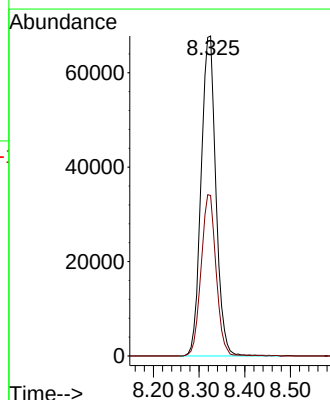
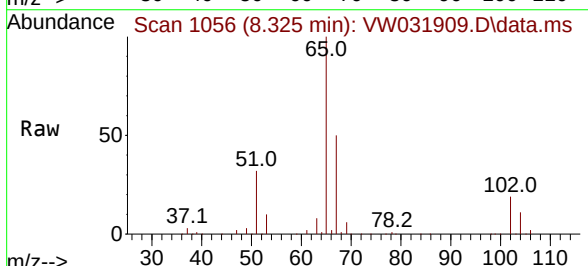
Acq: 23 Jul 2025 13:41

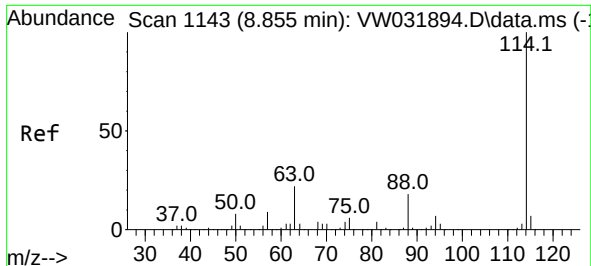
Tgt Ion: 65 Resp: 152051

Ion Ratio Lower Upper

65 100

67 50.9 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: VW031909.D

Acq: 23 Jul 2025 13:41

Instrument :

MSVOA_W

ClientSampleId :

HD-02-07222025

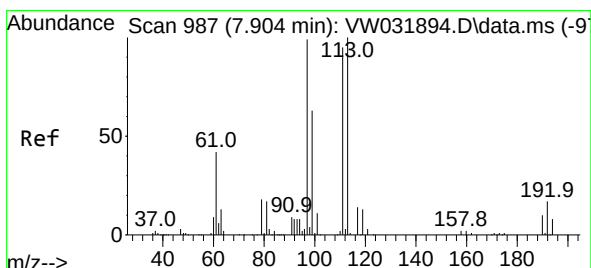
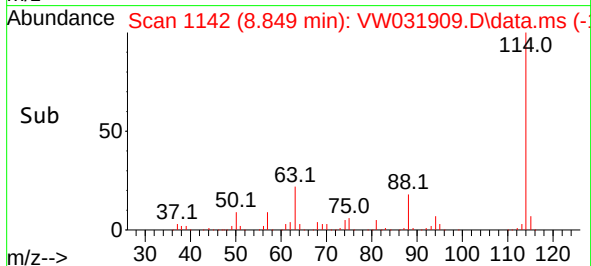
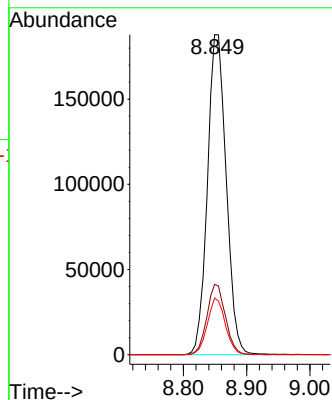
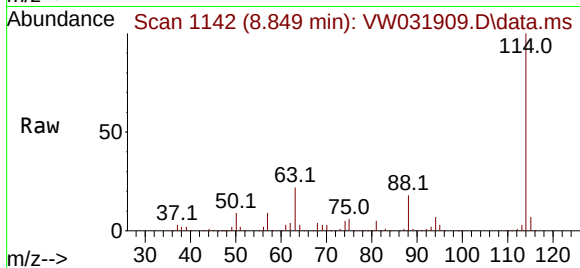
Tgt Ion:114 Resp: 387874

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

88 17.7 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.465 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031909.D

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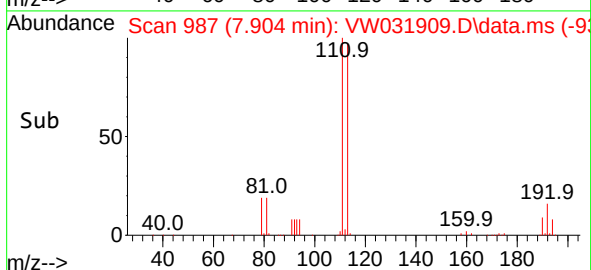
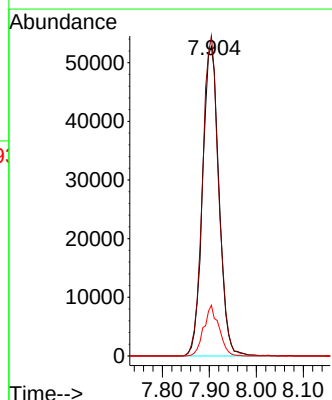
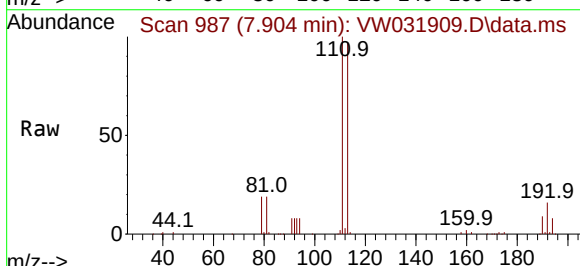
Tgt Ion:113 Resp: 127737

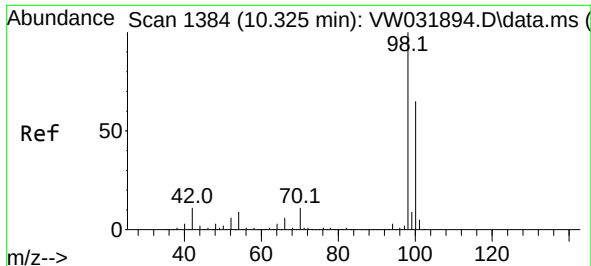
Ion Ratio Lower Upper

113 100

111 101.8 79.9 119.9

192 15.2 12.6 19.0

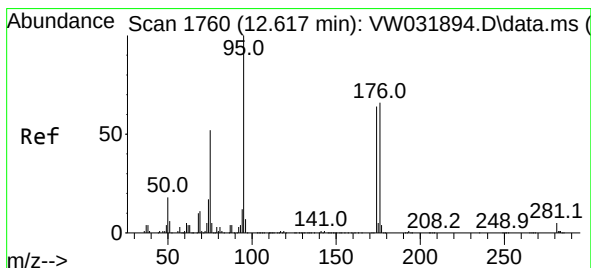
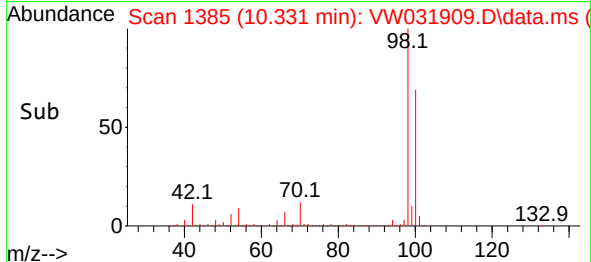
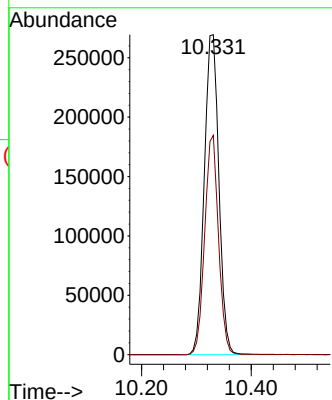
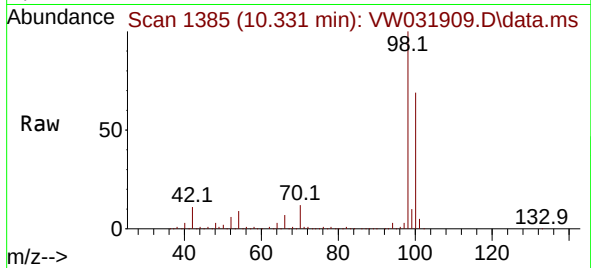




#50
Toluene-d8
Concen: 49.774 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

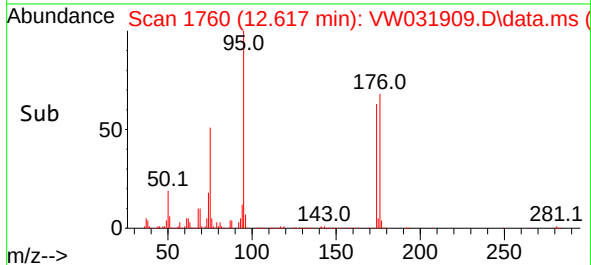
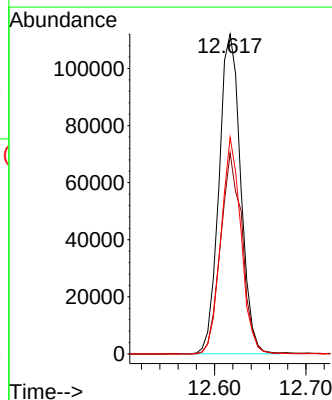
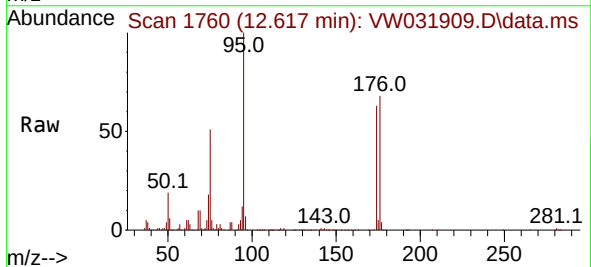
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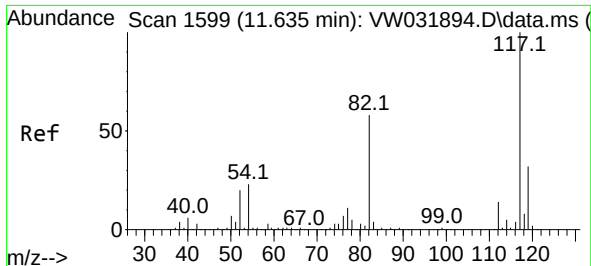
Tgt Ion: 98 Resp: 496499
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.201 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion: 95 Resp: 184621
Ion Ratio Lower Upper
95 100
174 62.7 0.0 129.8
176 63.1 0.0 130.4

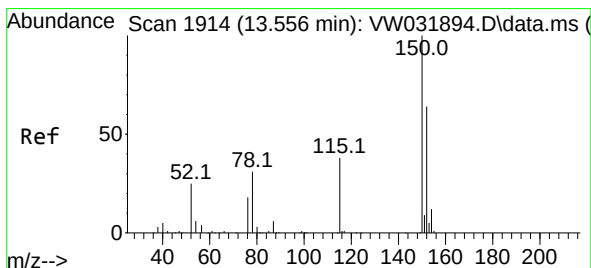
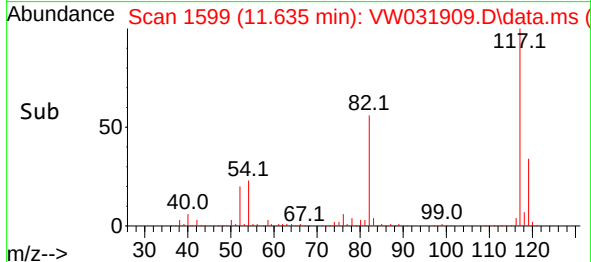
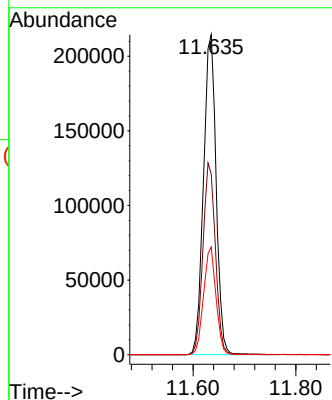
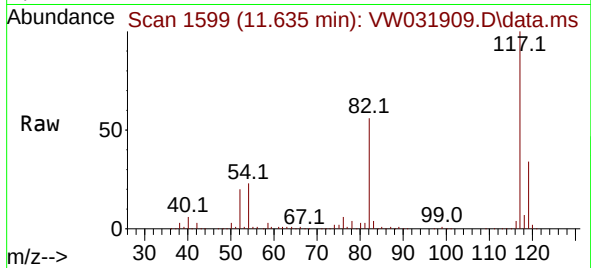




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Instrument :
MSVOA_W
ClientSampleId :
HD-02-07222025

Tgt Ion:117 Resp: 365732
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 33.6 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: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion:152 Resp: 186074
Ion Ratio Lower Upper
152 100
115 64.2 33.4 100.1
150 152.1 0.0 352.2

