

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032049.D
 Acq On : 07 Aug 2025 16:37
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 08 04:12:21 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	185636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	378689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	356561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180724	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130633	46.518	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.040%
35) Dibromofluoromethane	7.898	113	121700	47.294	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.580%
50) Toluene-d8	10.325	98	454014	46.619	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.240%
62) 4-Bromofluorobenzene	12.617	95	174740	46.727	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.460%

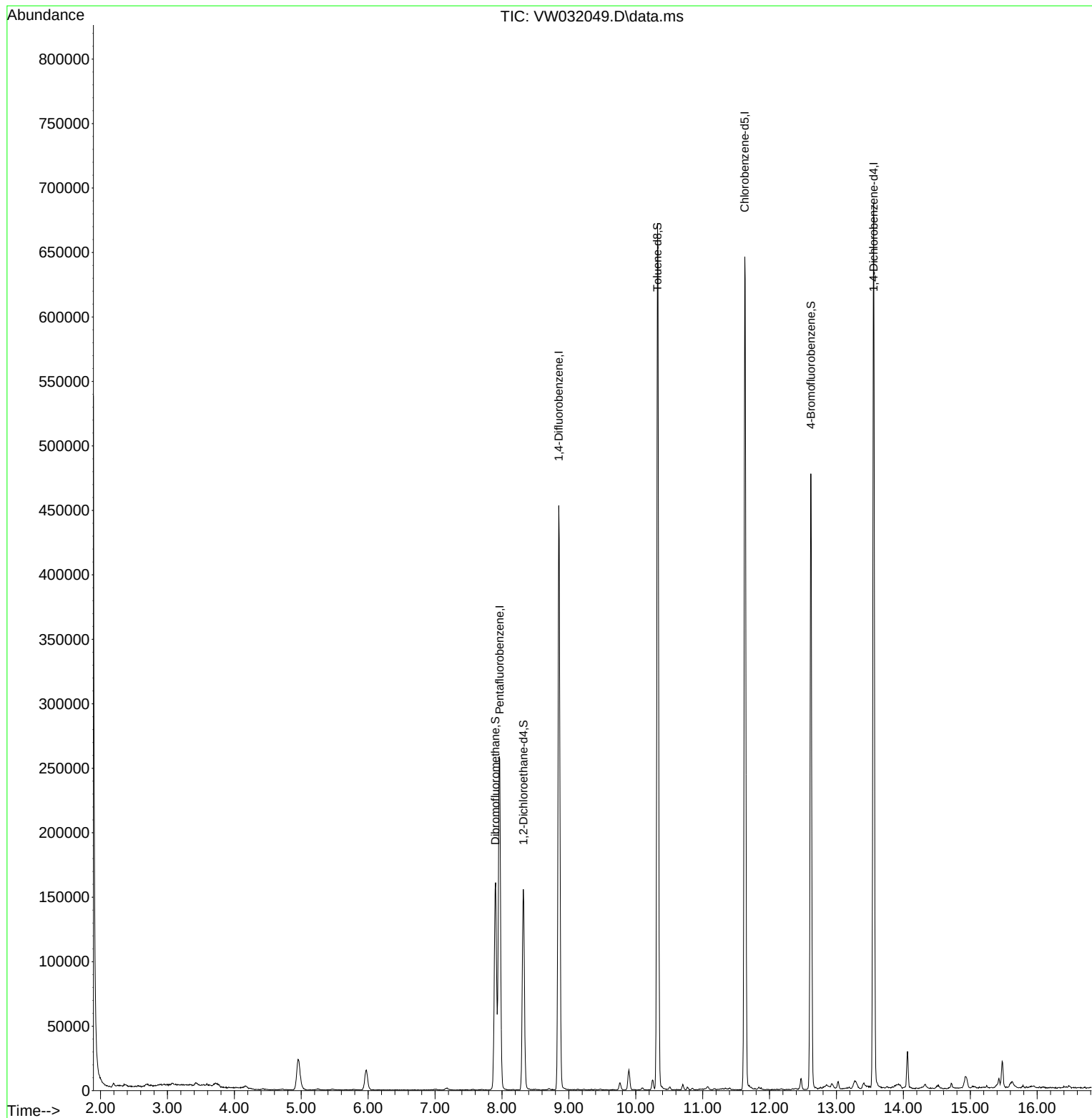
Target Compounds	Qvalue

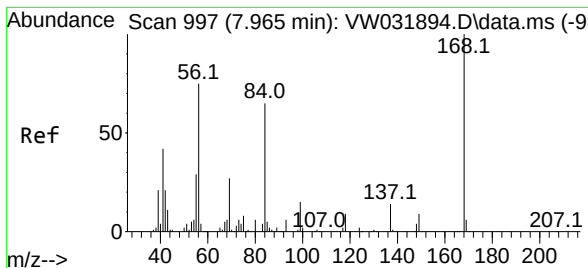
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA_W

ClientSampleId :

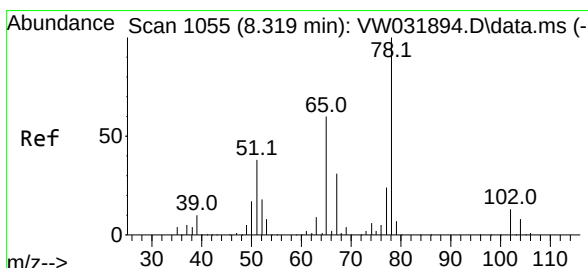
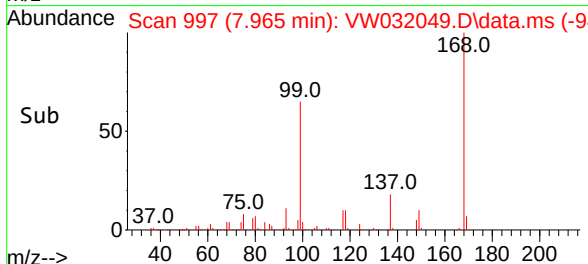
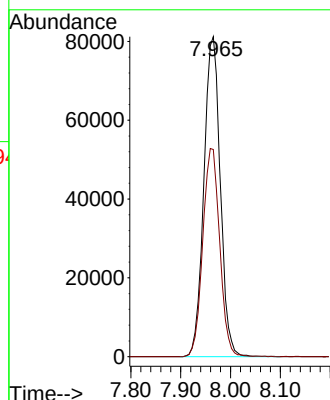
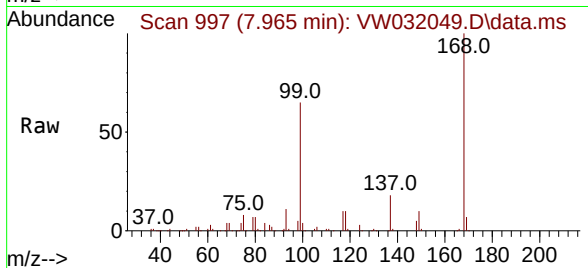
VIBLK

Tgt Ion:168 Resp: 185636

Ion Ratio Lower Upper

168 100

99 64.7 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 46.518 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032049.D

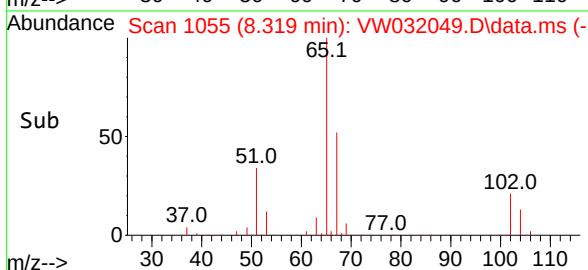
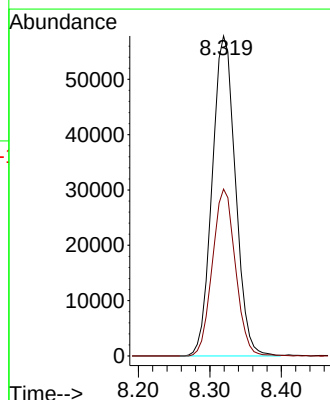
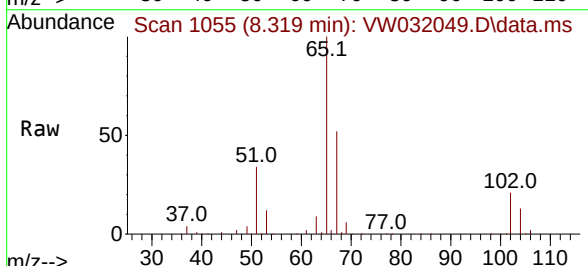
Acq: 07 Aug 2025 16:37

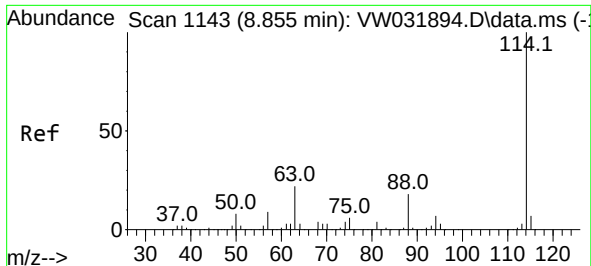
Tgt Ion: 65 Resp: 130633

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032049.D

Acq: 07 Aug 2025 16:37

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

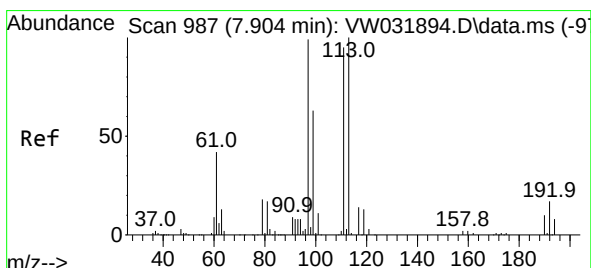
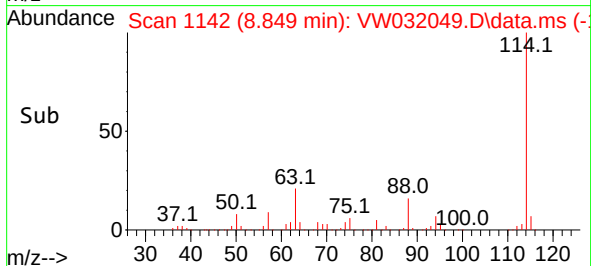
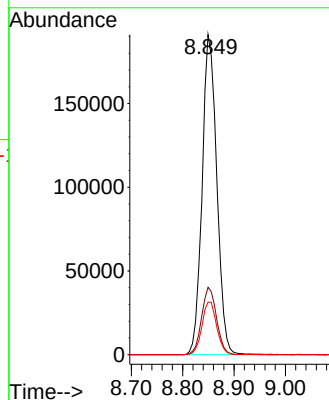
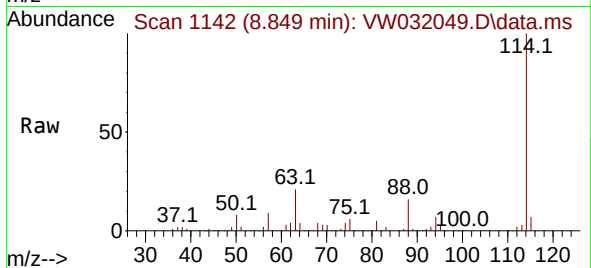
Tgt Ion:114 Resp: 378689

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 16.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.294 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032049.D

Acq: 07 Aug 2025 16:37

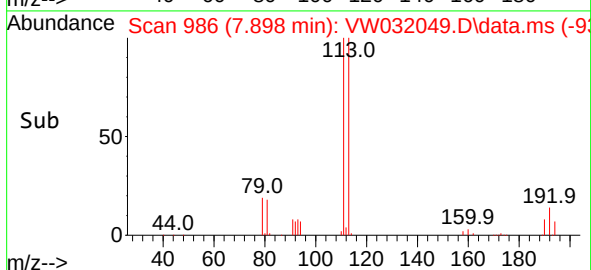
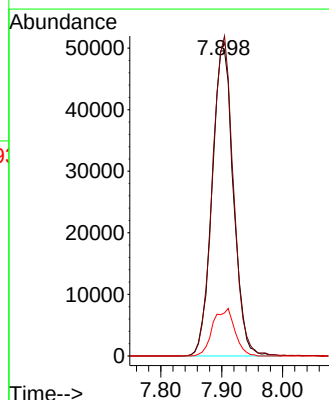
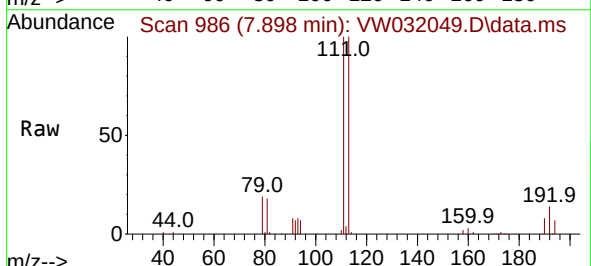
Tgt Ion:113 Resp: 121700

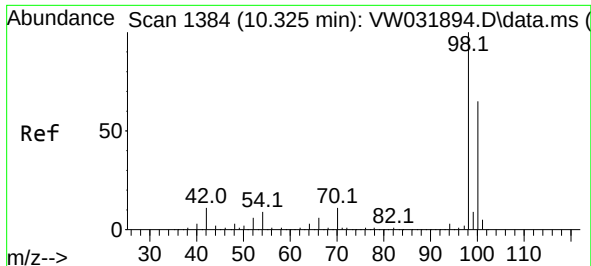
Ion Ratio Lower Upper

113 100

111 102.1 79.9 119.9

192 15.9 12.6 19.0

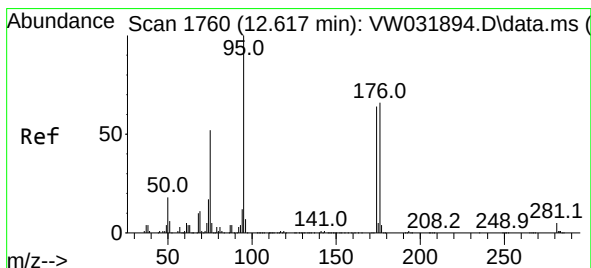
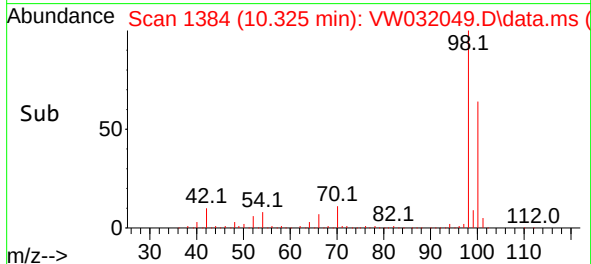
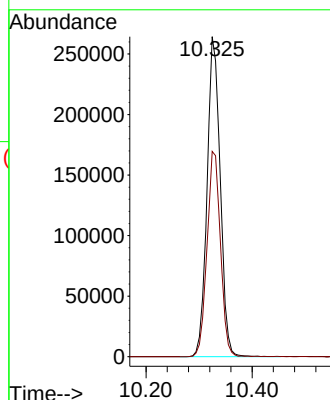
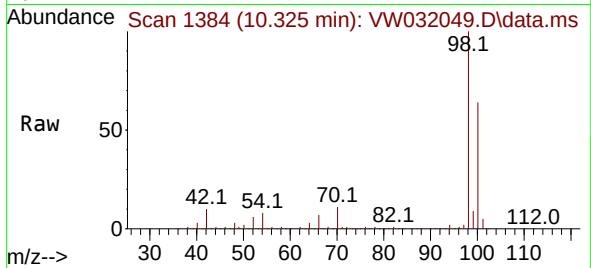




#50
Toluene-d8
Concen: 46.619 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032049.D
Acq: 07 Aug 2025 16:37

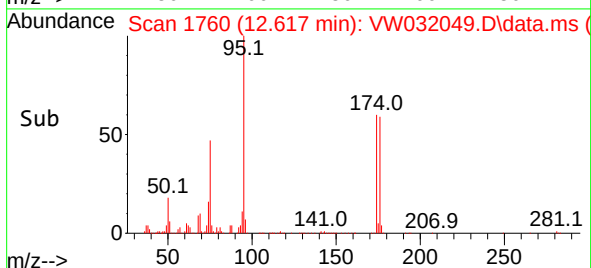
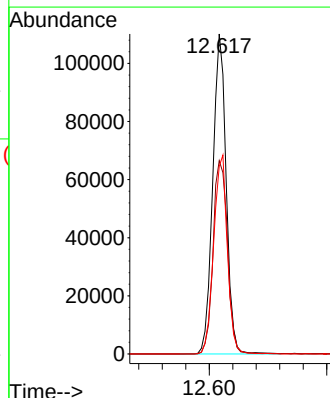
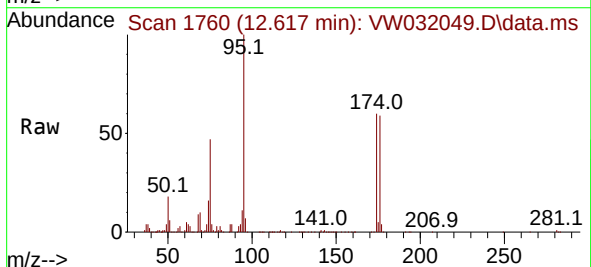
Instrument :
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VIBLK

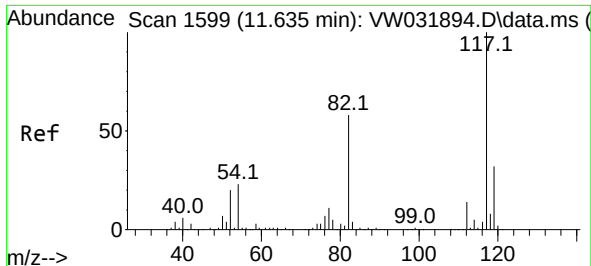
Tgt Ion: 98 Resp: 454014
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.727 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032049.D
Acq: 07 Aug 2025 16:37

Tgt Ion: 95 Resp: 174740
Ion Ratio Lower Upper
95 100
174 65.1 0.0 129.8
176 63.4 0.0 130.4

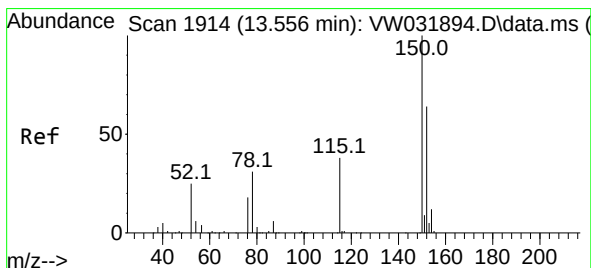
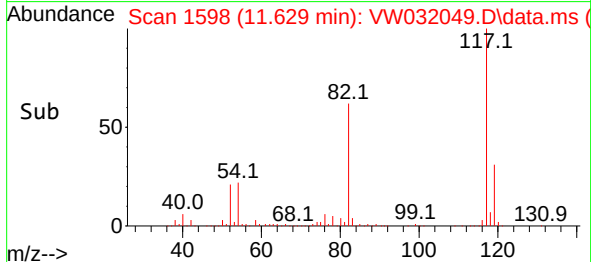
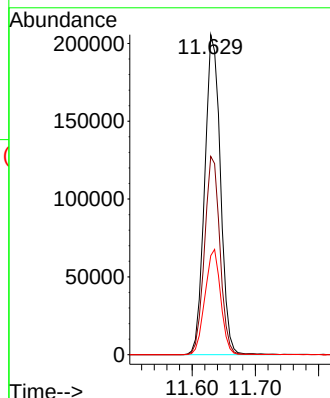
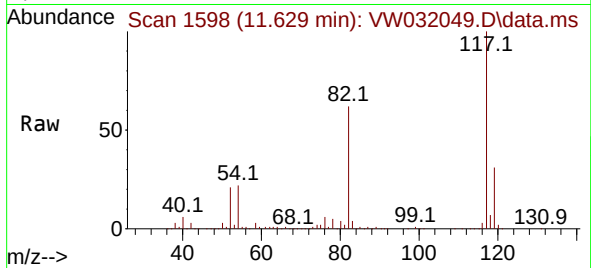




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW032049.D
Acq: 07 Aug 2025 16:37

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 356561
Ion Ratio Lower Upper
117 100
82 61.9 46.5 69.7
119 30.9 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: VW032049.D
Acq: 07 Aug 2025 16:37

Tgt Ion:152 Resp: 180724
Ion Ratio Lower Upper
152 100
115 62.9 33.4 100.1
150 147.3 0.0 352.2

