

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031921.D
 Acq On : 24 Jul 2025 11:23
 Operator : SY/MD
 Sample : Q2684-01
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-07232025

Quant Time: Jul 25 03:43:14 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	179653	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	392243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	361729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172976	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157221	57.851	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.700%
35) Dibromofluoromethane	7.904	113	129746	48.679	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.360%
50) Toluene-d8	10.331	98	478800	47.465	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.617	95	178552	46.097	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.200%

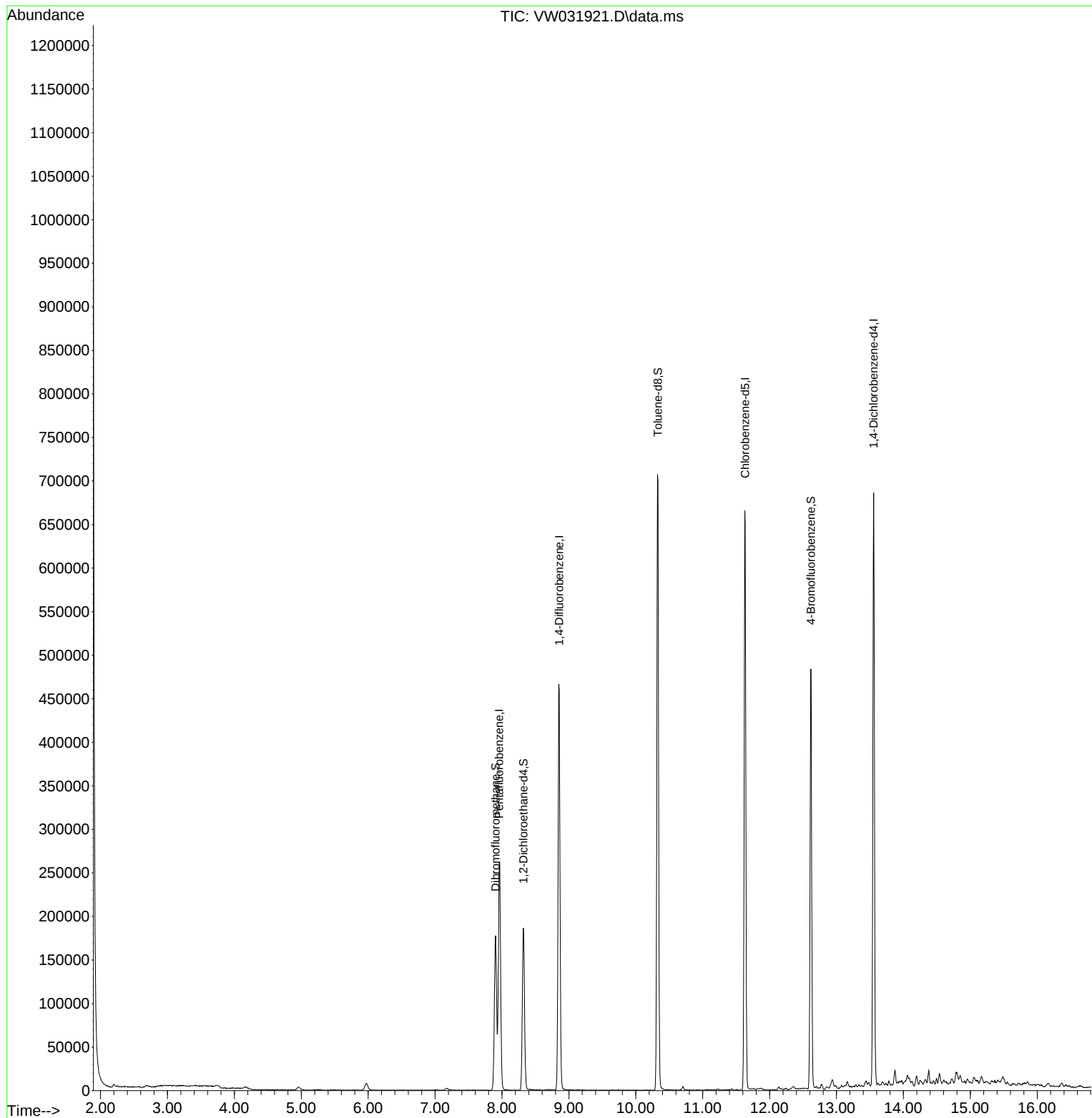
Target Compounds	Qvalue

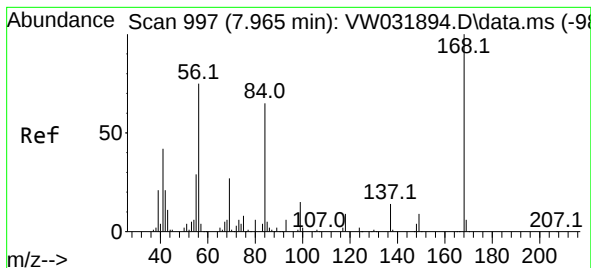
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW031921.D

Acq: 24 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

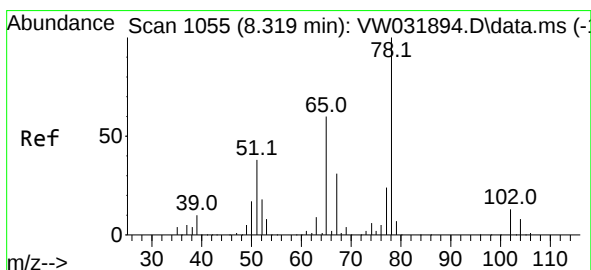
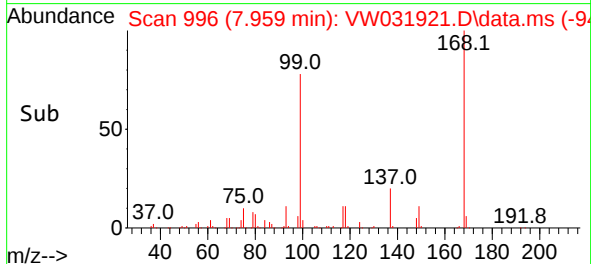
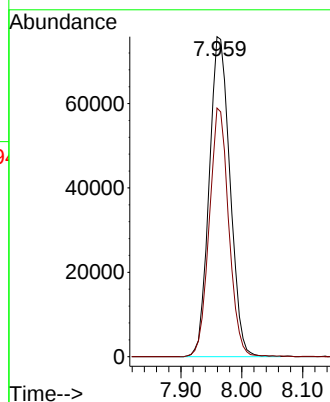
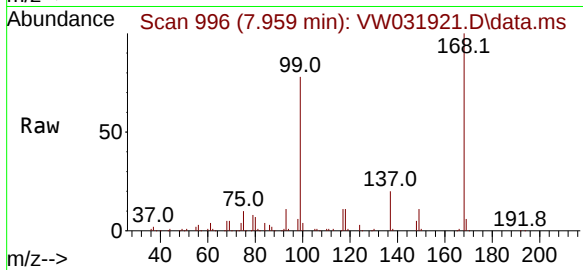
PL-02-07232025

Tgt Ion:168 Resp: 179653

Ion Ratio Lower Upper

168 100

99 77.7 48.2 72.2#



#33

1,2-Dichloroethane-d4

Concen: 57.851 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031921.D

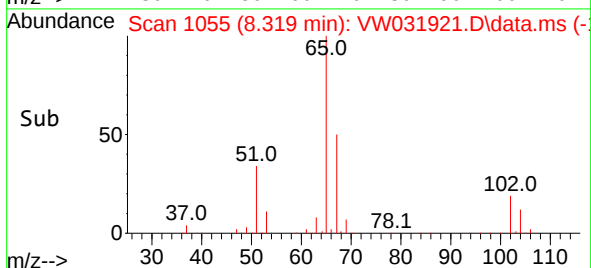
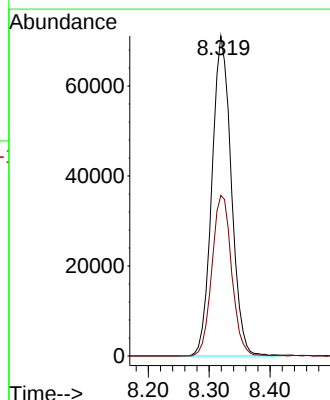
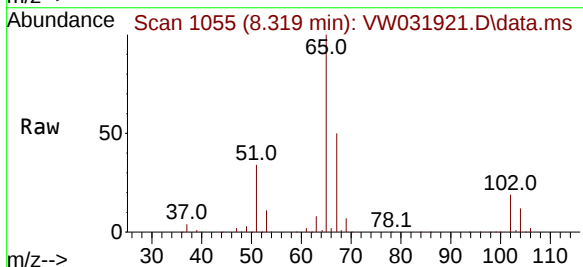
Acq: 24 Jul 2025 11:23

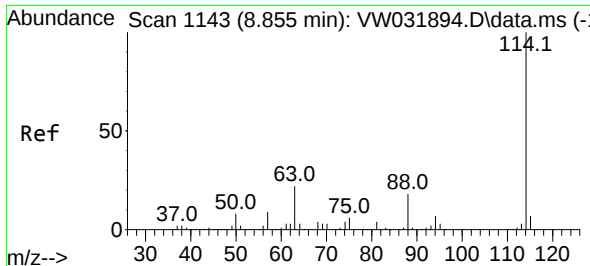
Tgt Ion: 65 Resp: 157221

Ion Ratio Lower Upper

65 100

67 51.1 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: VW031921.D

Acq: 24 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

PL-02-07232025

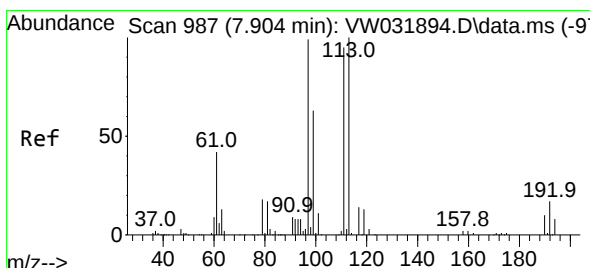
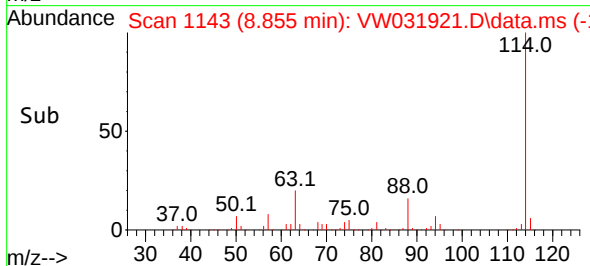
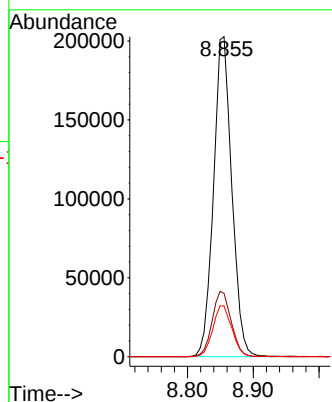
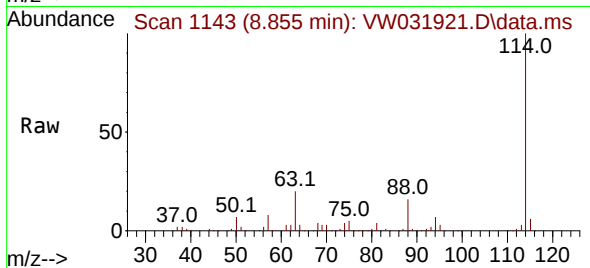
Tgt Ion:114 Resp: 392243

Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.2

88 15.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.679 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031921.D

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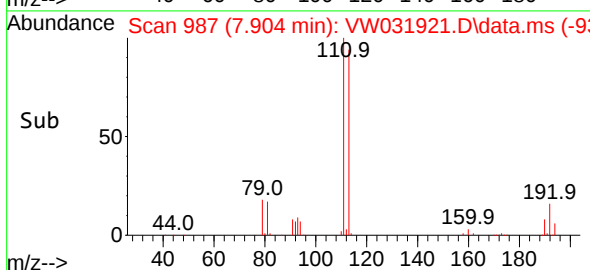
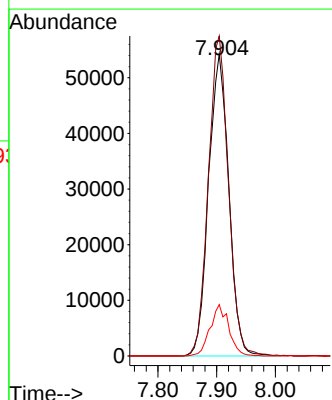
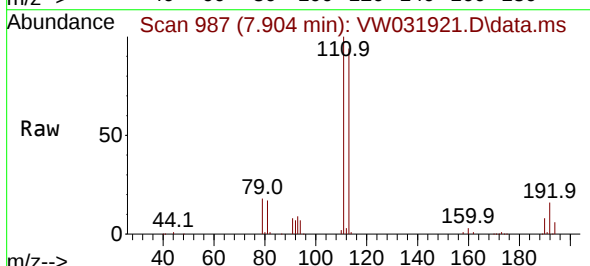
Tgt Ion:113 Resp: 129746

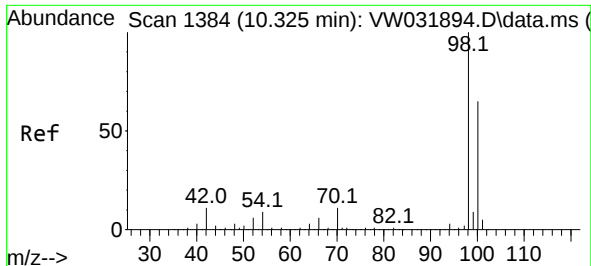
Ion Ratio Lower Upper

113 100

111 105.0 79.9 119.9

192 15.7 12.6 19.0

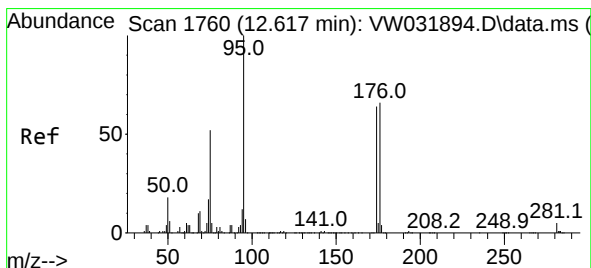
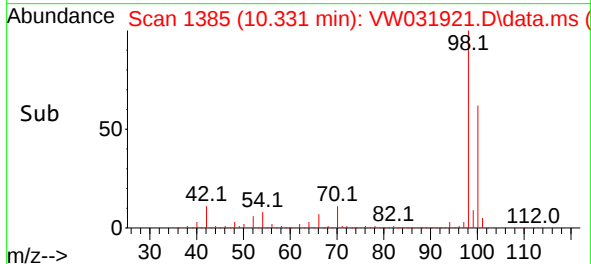
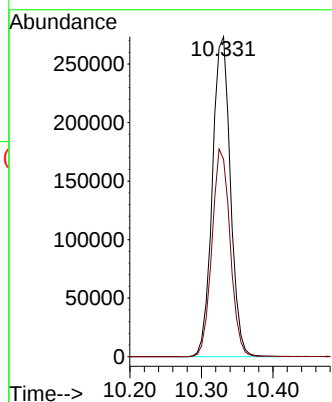
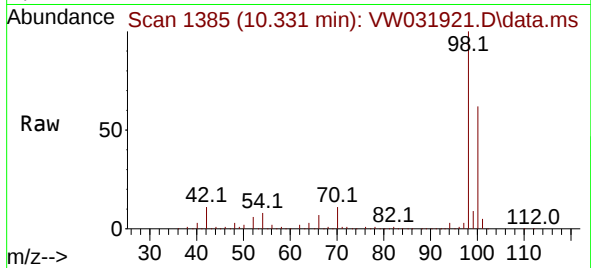




#50
Toluene-d8
Concen: 47.465 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031921.D
Acq: 24 Jul 2025 11:23

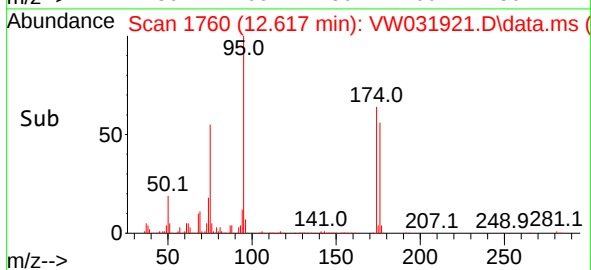
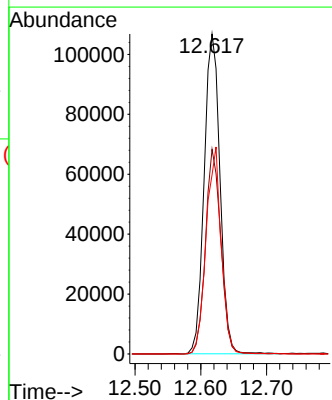
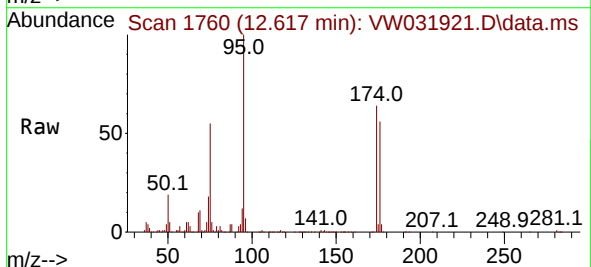
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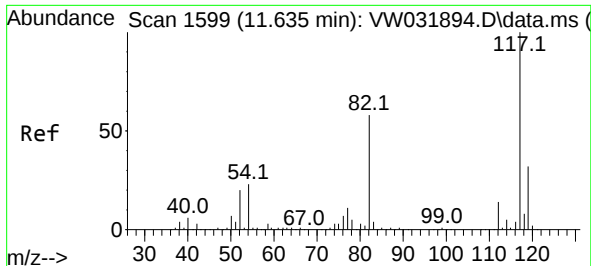
Tgt Ion: 98 Resp: 478800
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.097 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031921.D
Acq: 24 Jul 2025 11:23

Tgt Ion: 95 Resp: 178552
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 61.7 0.0 130.4

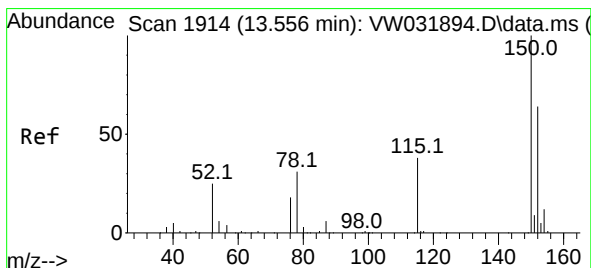
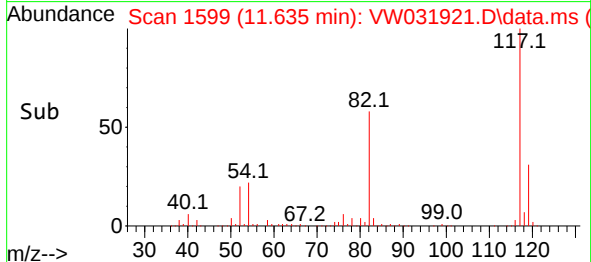
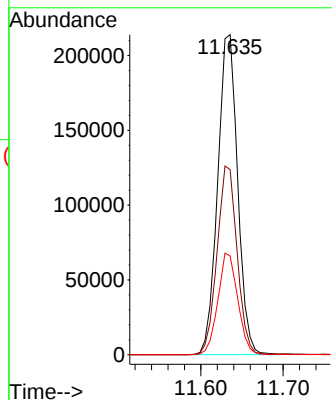
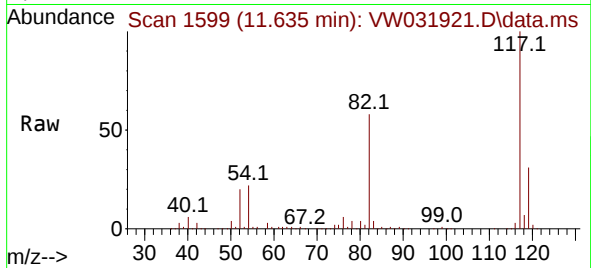




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031921.D
Acq: 24 Jul 2025 11:23

Instrument :
MSVOA_W
ClientSampleId :
PL-02-07232025

Tgt Ion:117 Resp: 361729
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 30.8 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: VW031921.D
Acq: 24 Jul 2025 11:23

Tgt Ion:152 Resp: 172976
Ion Ratio Lower Upper
152 100
115 65.6 33.4 100.1
150 154.0 0.0 352.2

