

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032030.D
 Acq On : 06 Aug 2025 15:50
 Operator : SY/MD
 Sample : Q2788-01
 Misc : 5.11g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-08062025

Quant Time: Aug 07 02:20:22 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	176087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	379643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167398	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	134845	50.622	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	101.240%
35) Dibromofluoromethane	7.892	113	122345	47.426	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.860%
50) Toluene-d8	10.324	98	449300	46.019	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.040%
62) 4-Bromofluorobenzene	12.617	95	155347	41.437	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.880%

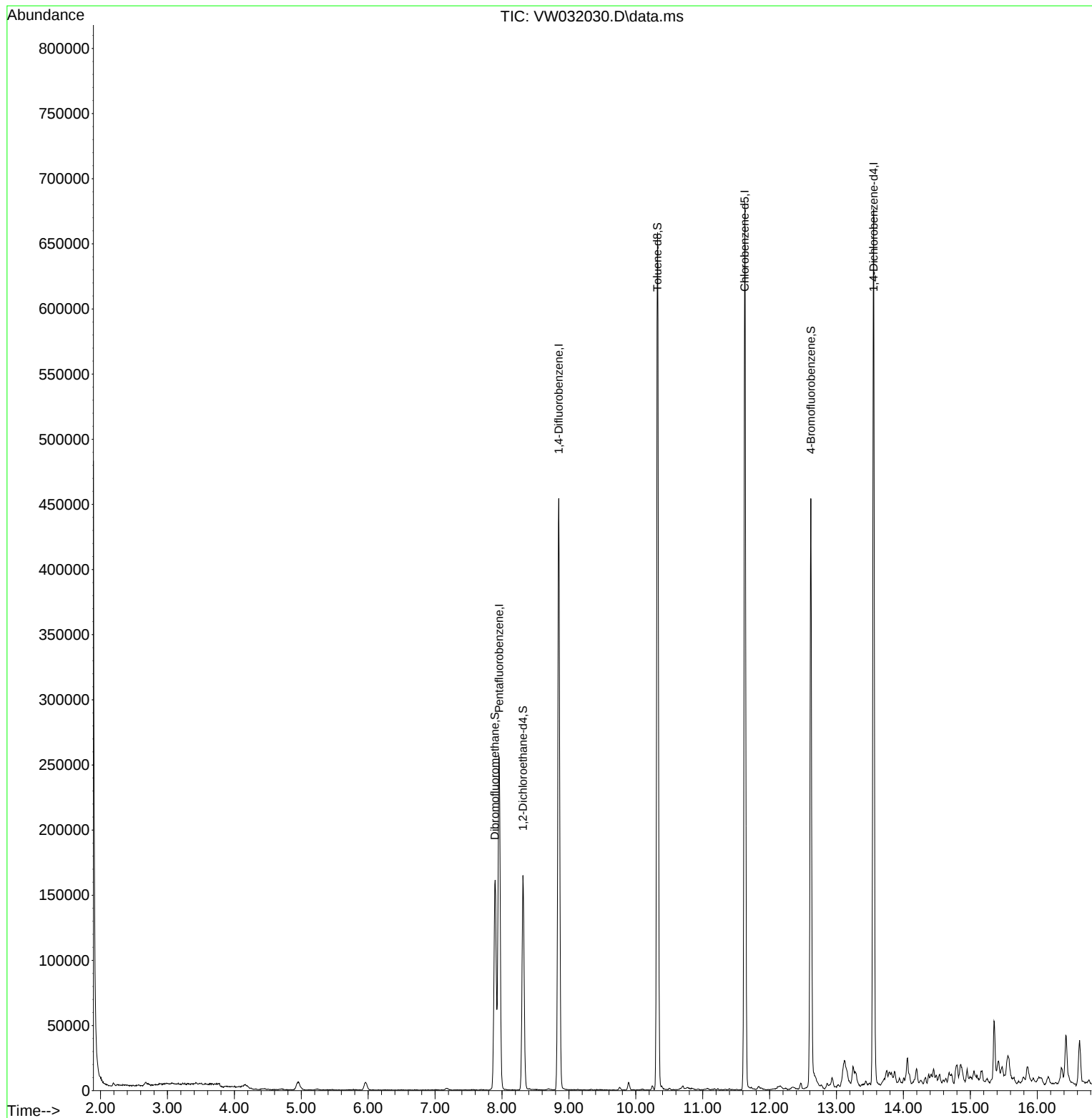
Target Compounds	Qvalue

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

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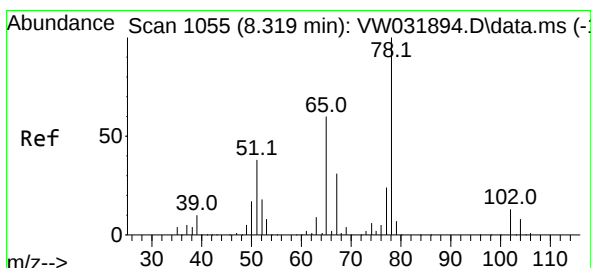
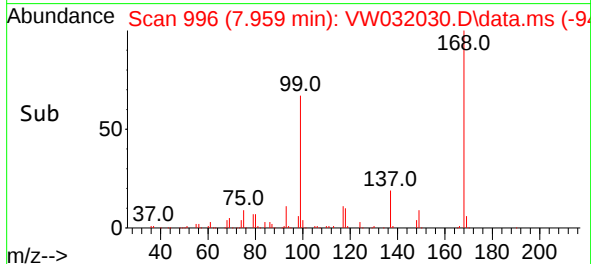
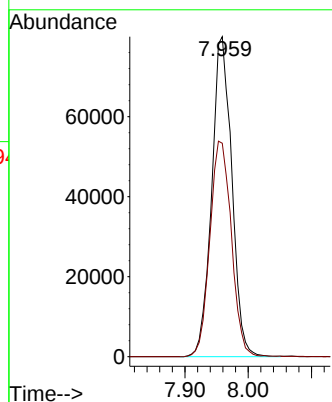
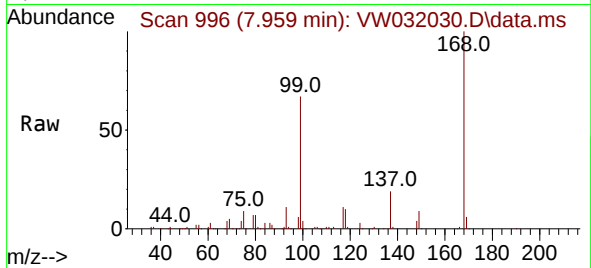




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032030.D
Acq: 06 Aug 2025 15:50

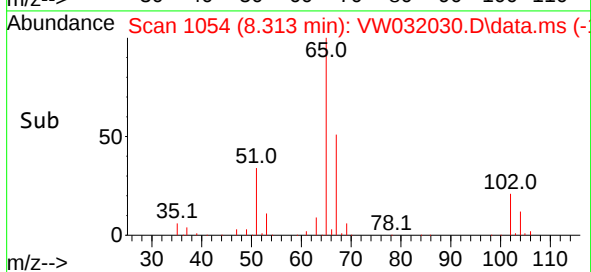
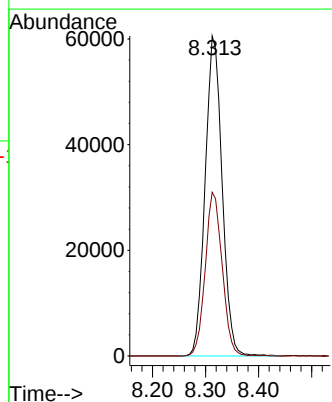
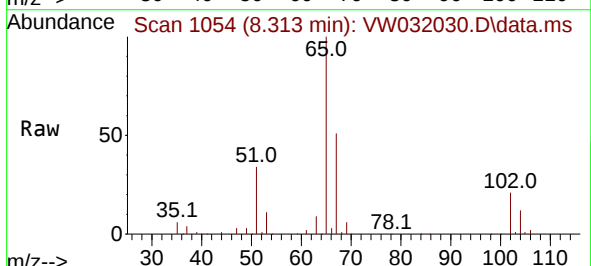
Instrument :
MSVOA_W
ClientSampleId :
OK-01-08062025

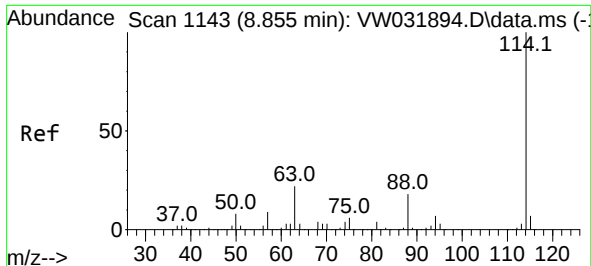
Tgt Ion:168 Resp: 176087
Ion Ratio Lower Upper
168 100
99 66.7 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 50.622 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032030.D
Acq: 06 Aug 2025 15:50

Tgt Ion: 65 Resp: 134845
Ion Ratio Lower Upper
65 100
67 51.0 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: VW032030.D

Acq: 06 Aug 2025 15:50

Instrument :

MSVOA_W

ClientSampleId :

OK-01-08062025

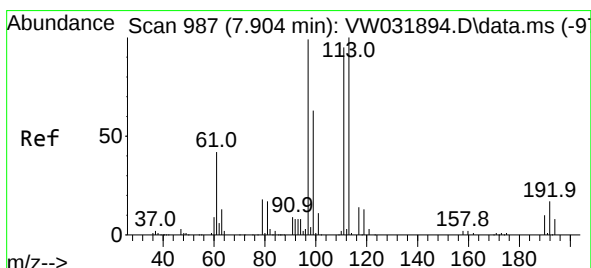
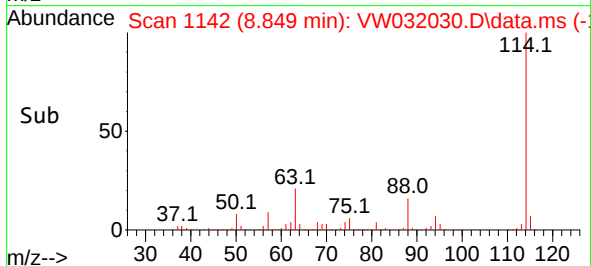
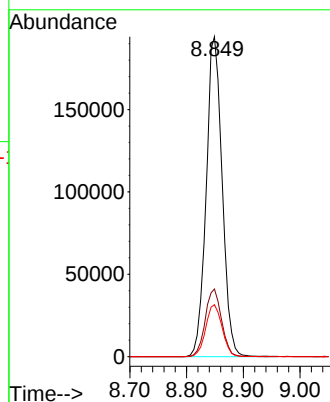
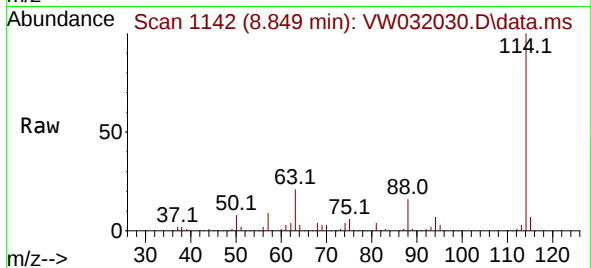
Tgt Ion:114 Resp: 379643

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 16.2 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.426 ug/l

RT: 7.892 min Scan# 985

Delta R.T. -0.012 min

Lab File: VW032030.D

Acq: 06 Aug 2025 15:50

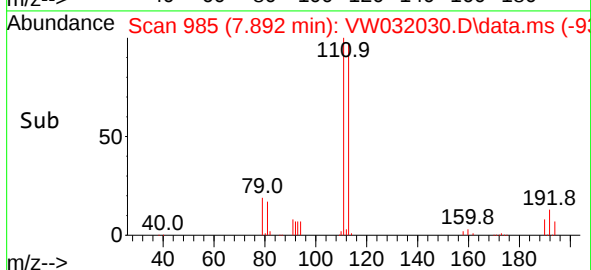
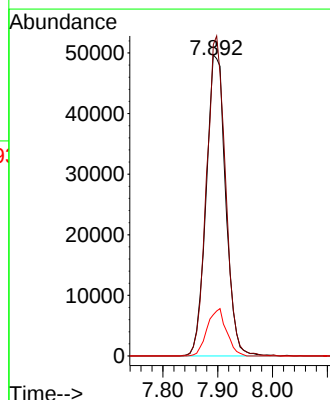
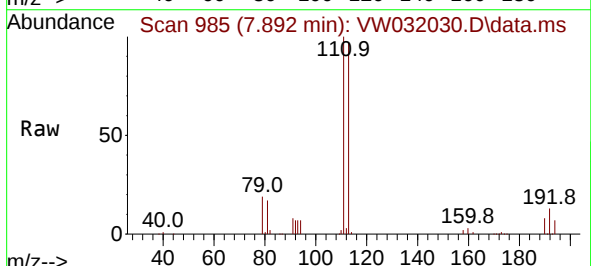
Tgt Ion:113 Resp: 122345

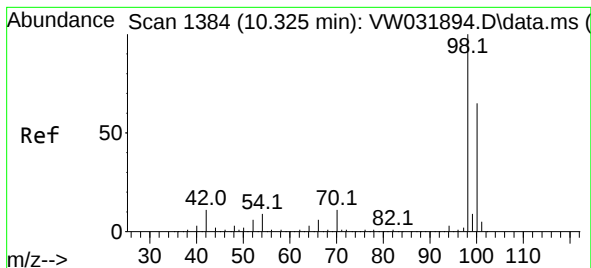
Ion Ratio Lower Upper

113 100

111 103.0 79.9 119.9

192 15.6 12.6 19.0

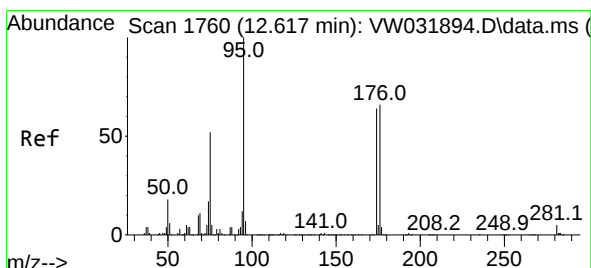
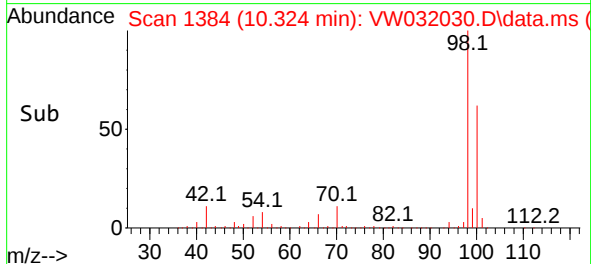
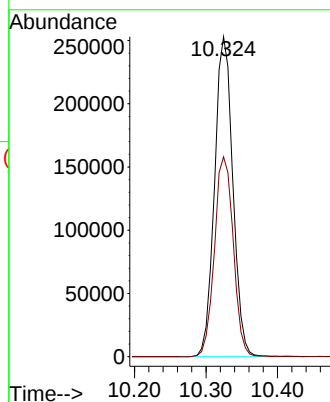
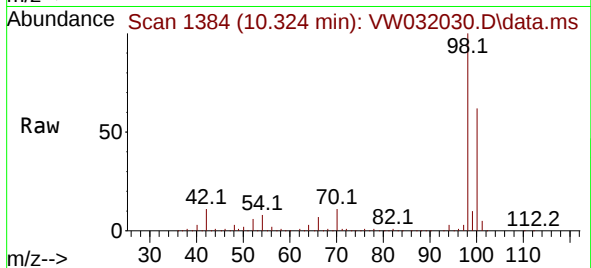




#50
Toluene-d8
Concen: 46.019 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032030.D
Acq: 06 Aug 2025 15:50

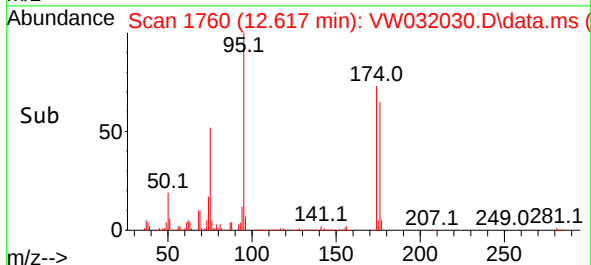
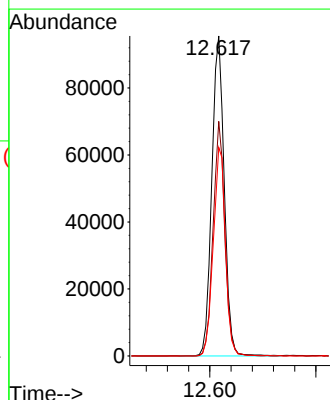
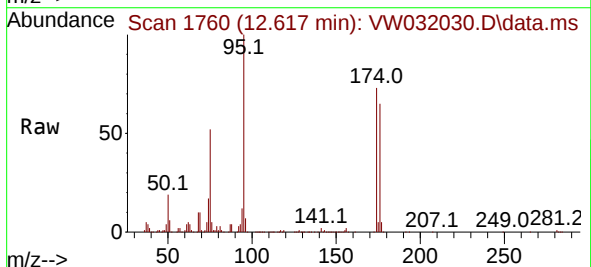
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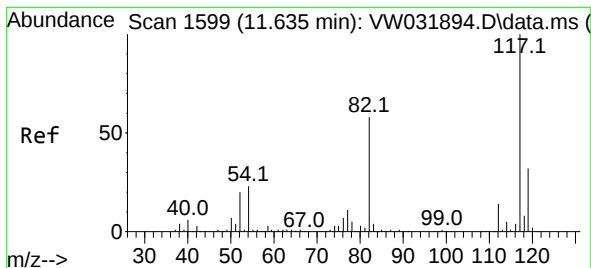
Tgt Ion: 98 Resp: 449300
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.437 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032030.D
Acq: 06 Aug 2025 15:50

Tgt Ion: 95 Resp: 155347
Ion Ratio Lower Upper
95 100
174 68.9 0.0 129.8
176 63.8 0.0 130.4

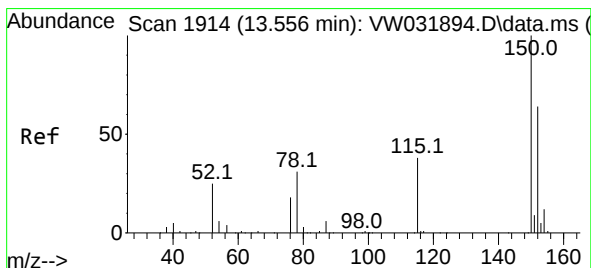
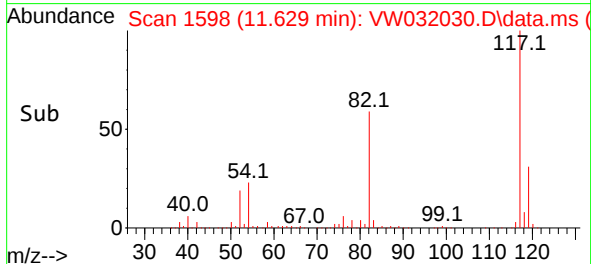
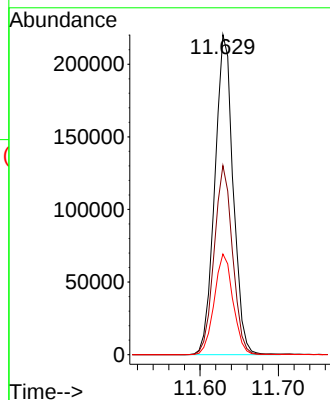
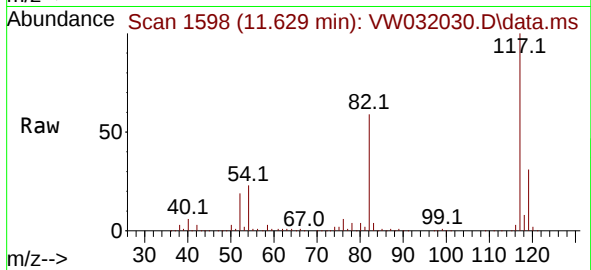




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032030.D
Acq: 06 Aug 2025 15:50

Instrument :
MSVOA_W
ClientSampleId :
OK-01-08062025

Tgt Ion:117 Resp: 358714
Ion Ratio Lower Upper
117 100
82 59.1 46.5 69.7
119 31.5 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: VW032030.D
Acq: 06 Aug 2025 15:50

Tgt Ion:152 Resp: 167398
Ion Ratio Lower Upper
152 100
115 65.6 33.4 100.1
150 158.3 0.0 352.2

