

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032048.D
 Acq On : 07 Aug 2025 16:15
 Operator : SY/MD
 Sample : Q2801-01
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-080725

Quant Time: Aug 08 04:11:58 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	166074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	338766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	325068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157559	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120222	47.854	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.700%
35) Dibromofluoromethane	7.904	113	106426	46.233	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.460%
50) Toluene-d8	10.325	98	390639	44.838	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.680%
62) 4-Bromofluorobenzene	12.617	95	140894	42.117	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	84.240%

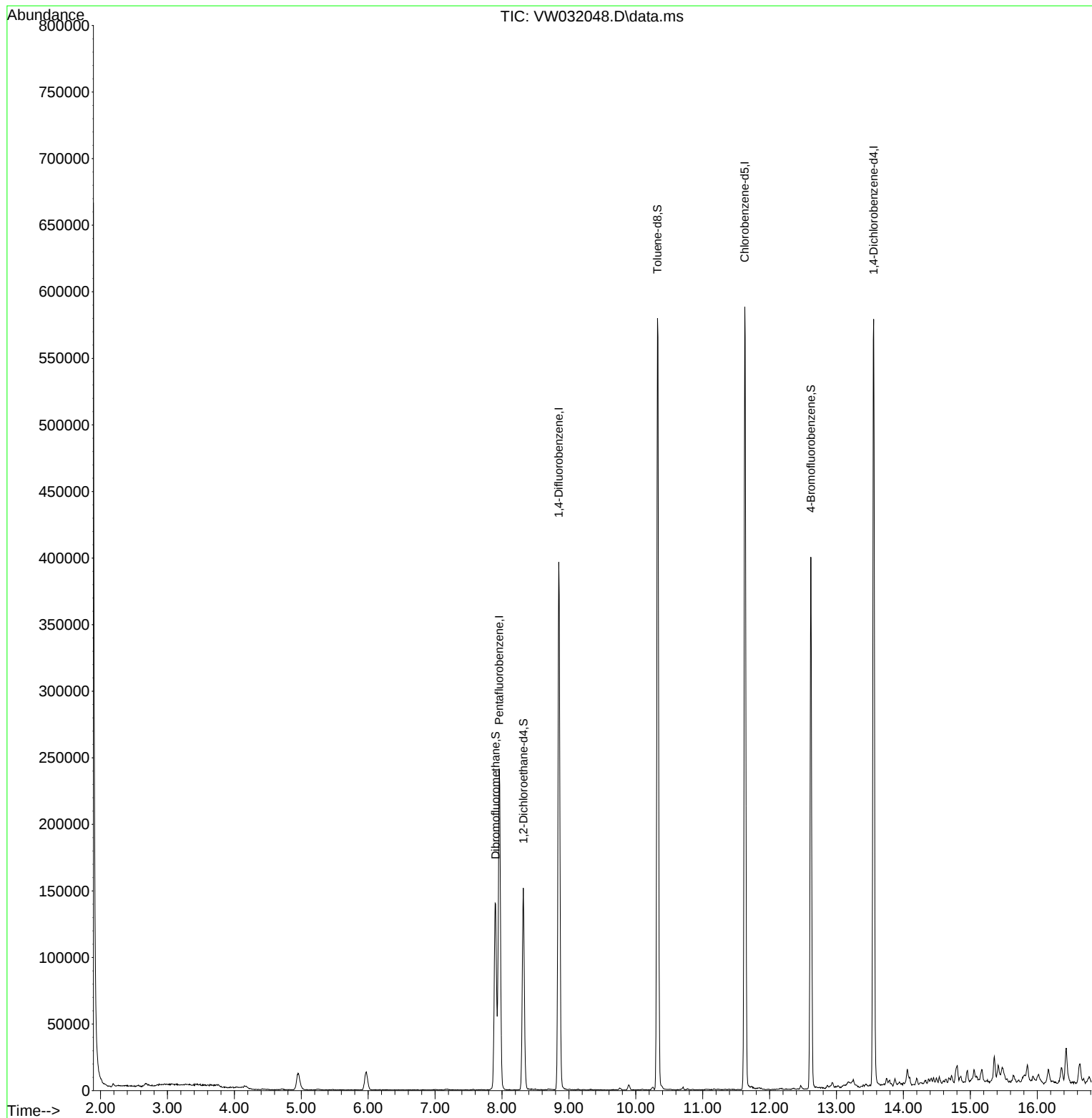
Target Compounds	Qvalue

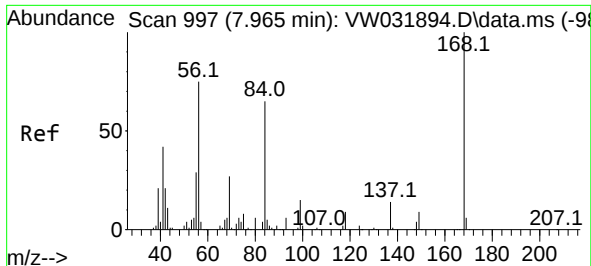
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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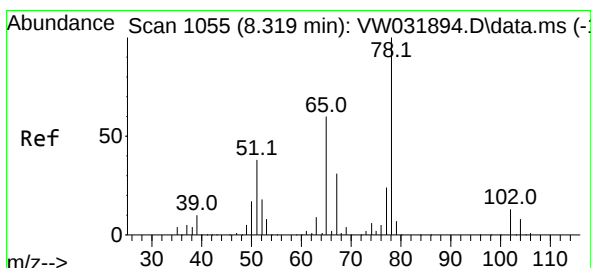
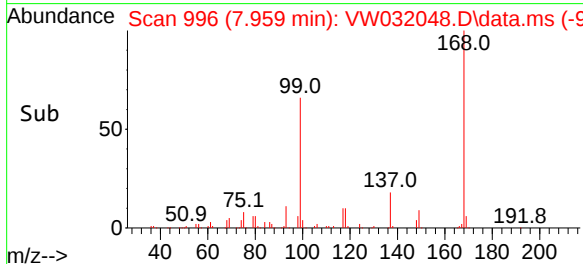
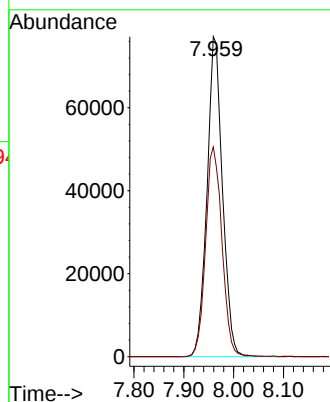
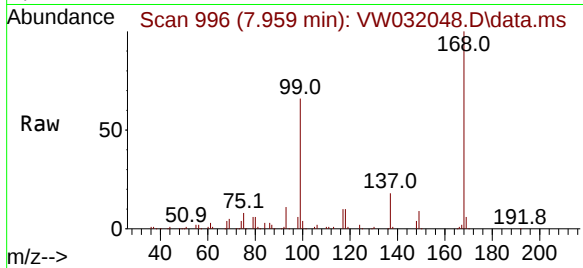




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032048.D
Acq: 07 Aug 2025 16:15

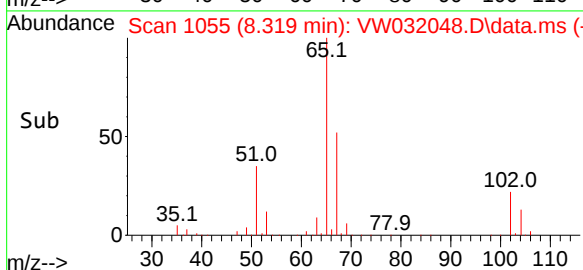
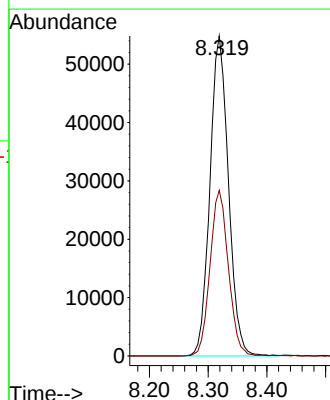
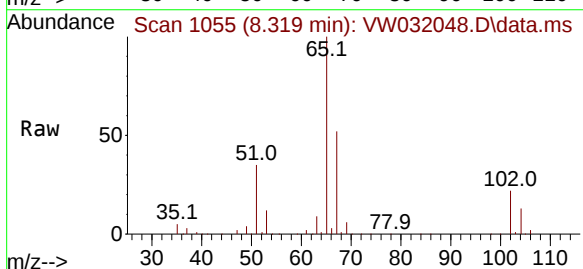
Instrument :
MSVOA_W
ClientSampleId :
TR-04-080725

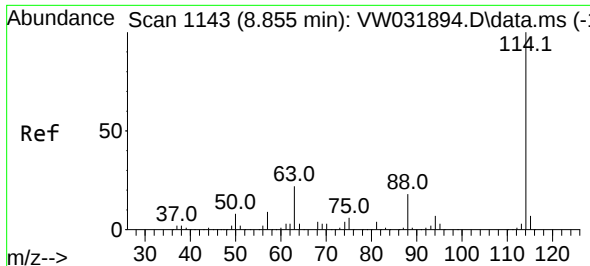
Tgt Ion:168 Resp: 166074
Ion Ratio Lower Upper
168 100
99 65.5 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 47.854 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032048.D
Acq: 07 Aug 2025 16:15

Tgt Ion: 65 Resp: 120222
Ion Ratio Lower Upper
65 100
67 51.2 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: VW032048.D

Acq: 07 Aug 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

TR-04-080725

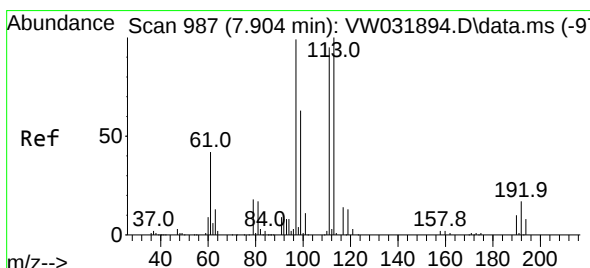
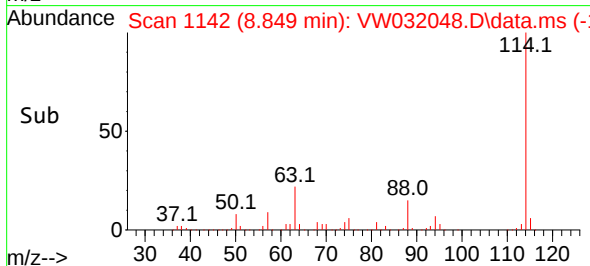
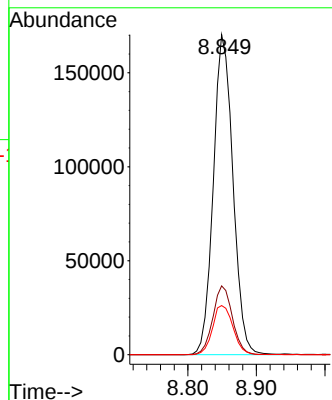
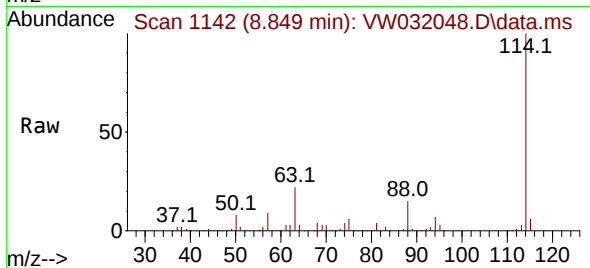
Tgt Ion:114 Resp: 338766

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 15.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.233 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032048.D

Acq: 07 Aug 2025 16:15

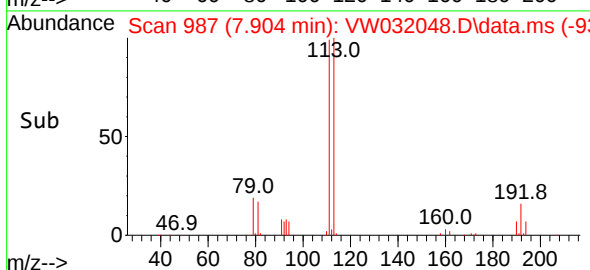
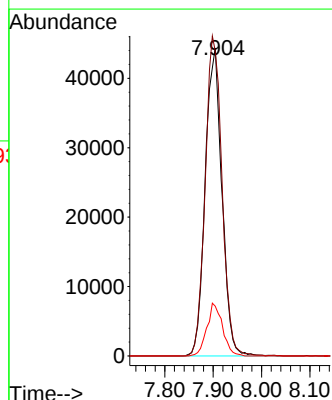
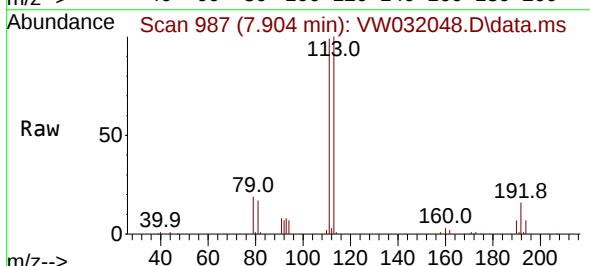
Tgt Ion:113 Resp: 106426

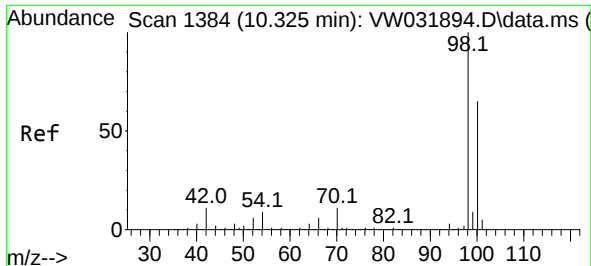
Ion Ratio Lower Upper

113 100

111 104.5 79.9 119.9

192 16.1 12.6 19.0

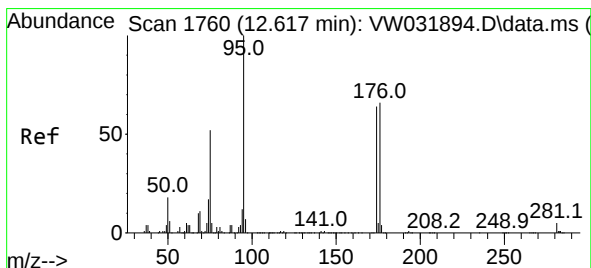
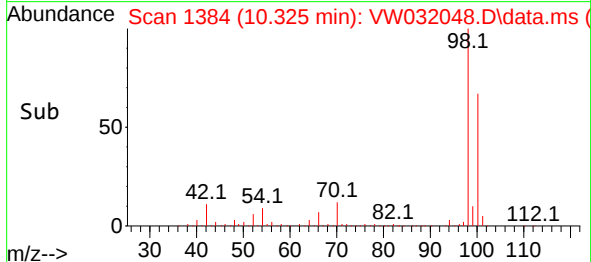
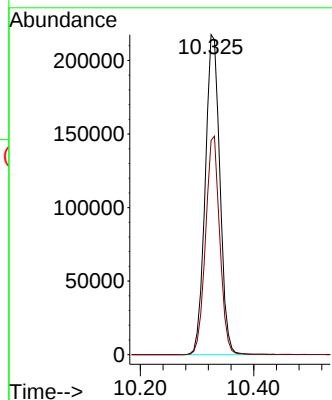
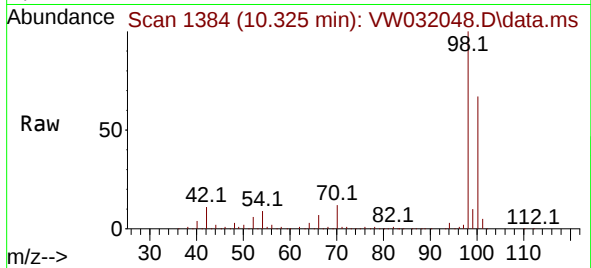




#50
Toluene-d8
Concen: 44.838 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032048.D
Acq: 07 Aug 2025 16:15

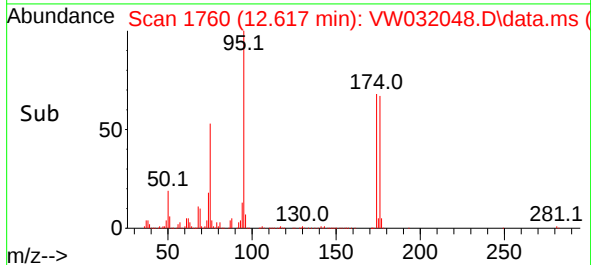
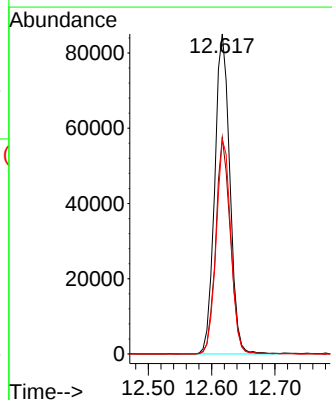
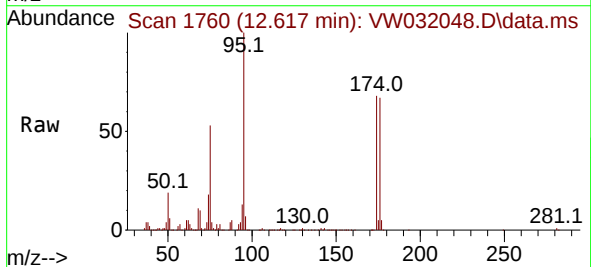
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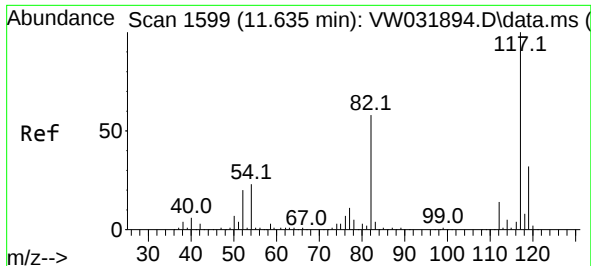
Tgt Ion: 98 Resp: 390639
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.117 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032048.D
Acq: 07 Aug 2025 16:15

Tgt Ion: 95 Resp: 140894
Ion Ratio Lower Upper
95 100
174 65.3 0.0 129.8
176 64.8 0.0 130.4

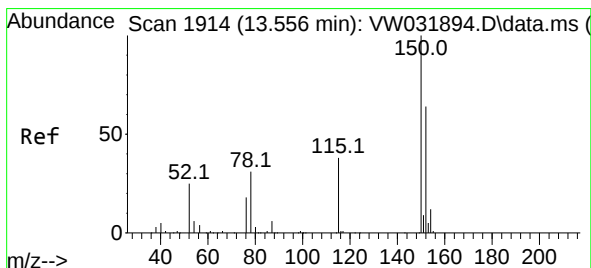
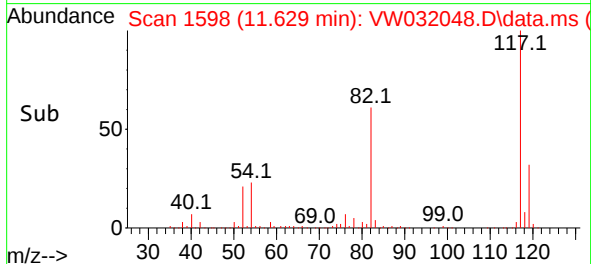
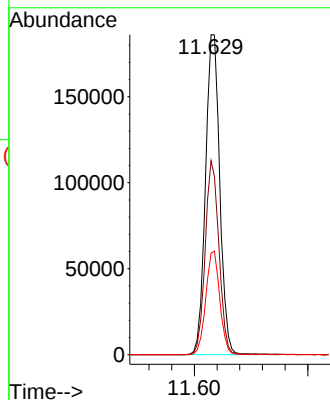
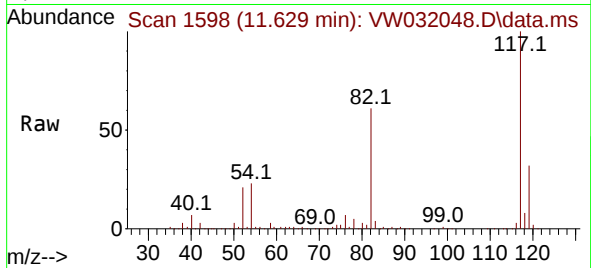




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032048.D
Acq: 07 Aug 2025 16:15

Instrument :
MSVOA_W
ClientSampleId :
TR-04-080725

Tgt Ion:117 Resp: 325068
Ion Ratio Lower Upper
117 100
82 60.6 46.5 69.7
119 31.7 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: VW032048.D
Acq: 07 Aug 2025 16:15

Tgt Ion:152 Resp: 157559
Ion Ratio Lower Upper
152 100
115 65.4 33.4 100.1
150 149.6 0.0 352.2

