

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032043.D
 Acq On : 07 Aug 2025 14:26
 Operator : SY/MD
 Sample : Q2795-02
 Misc : 5.09g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-2

Quant Time: Aug 08 04:09:43 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	180542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	382094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	370140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182213	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139247	50.985	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	101.960%
35) Dibromofluoromethane	7.898	113	120115	46.262	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.520%
50) Toluene-d8	10.325	98	439365	44.712	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.420%
62) 4-Bromofluorobenzene	12.617	95	171359	45.415	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.820%

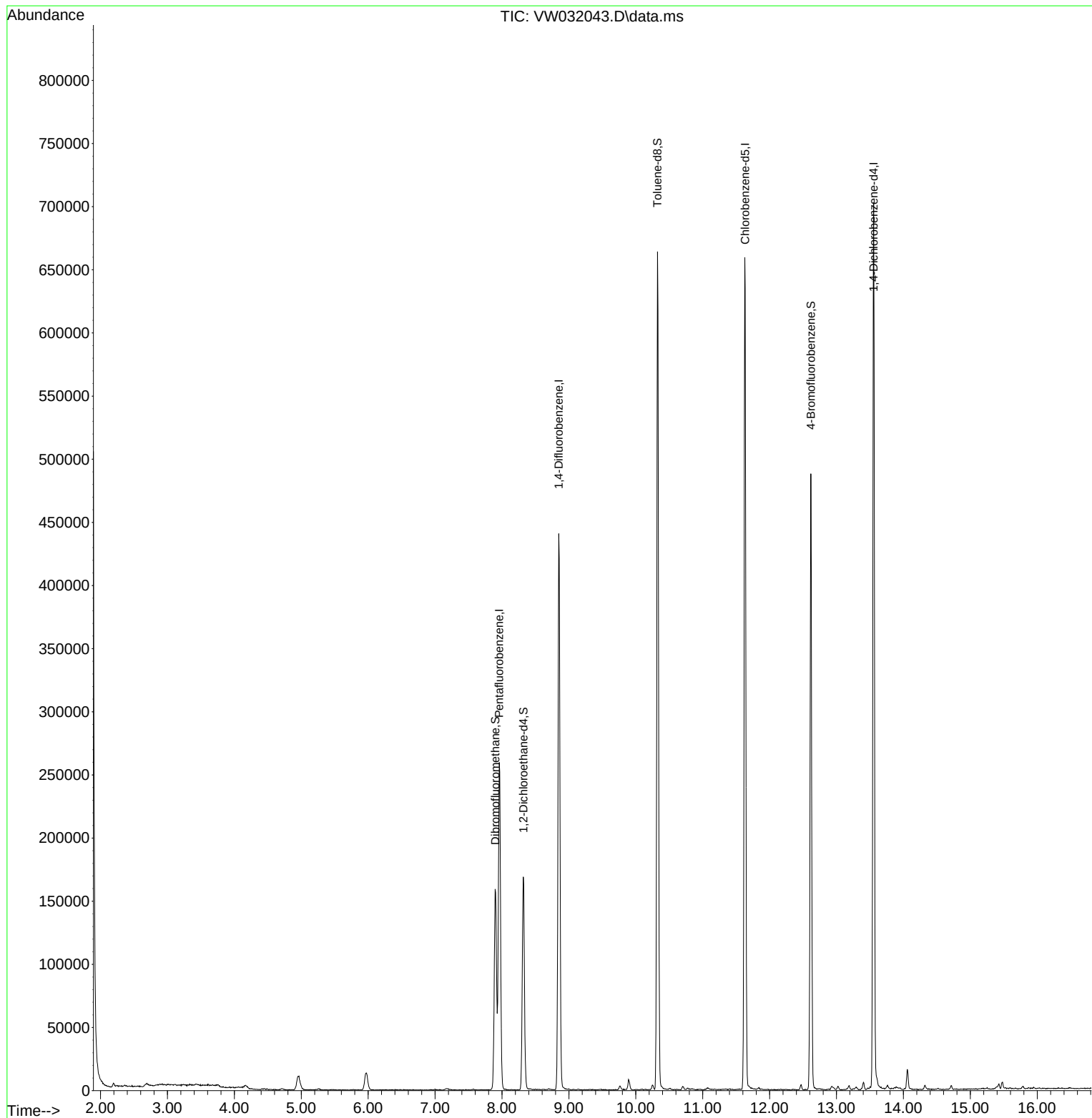
Target Compounds	Qvalue

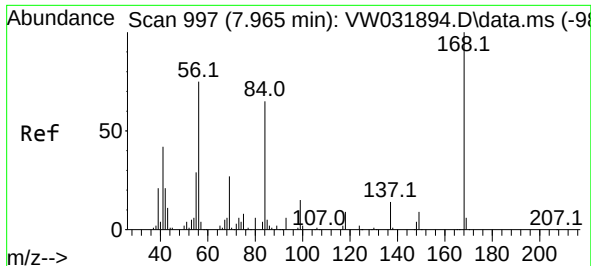
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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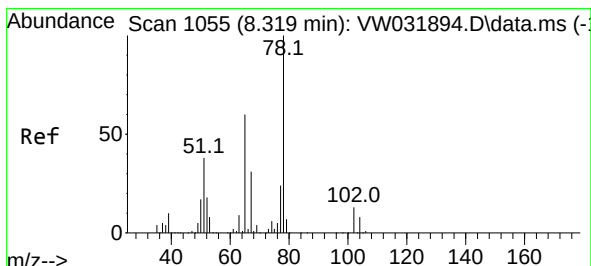
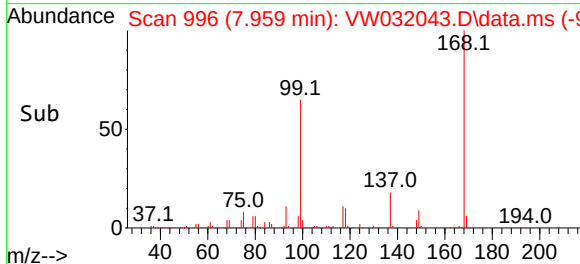
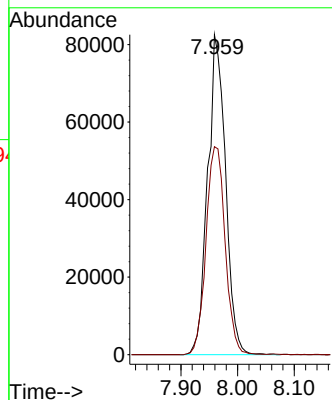
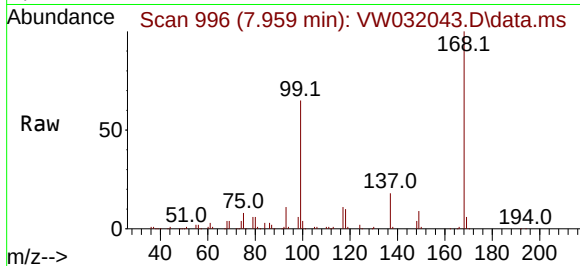




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032043.D
Acq: 07 Aug 2025 14:26

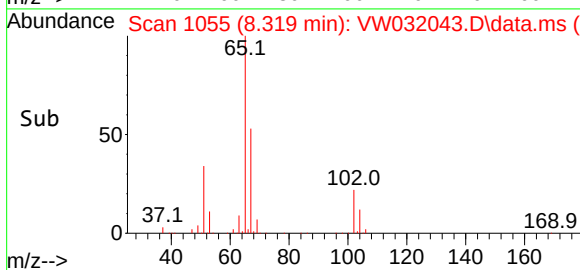
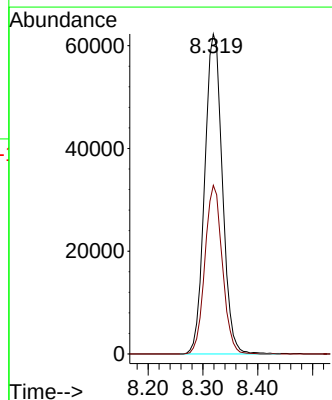
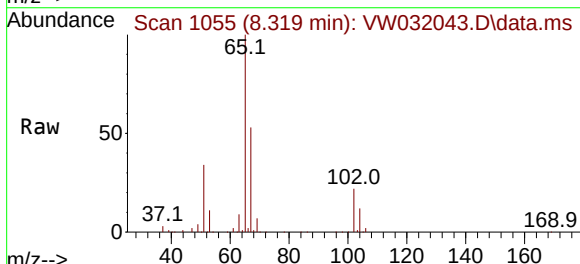
Instrument :
MSVOA_W
ClientSampleId :
COMP-2

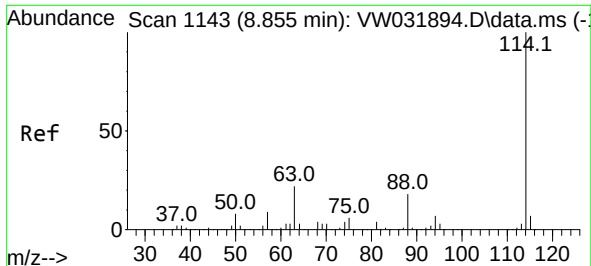
Tgt Ion:168 Resp: 180542
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 50.985 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032043.D
Acq: 07 Aug 2025 14:26

Tgt Ion: 65 Resp: 139247
Ion Ratio Lower Upper
65 100
67 51.8 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: VW032043.D

Acq: 07 Aug 2025 14:26

Instrument :

MSVOA_W

ClientSampleId :

COMP-2

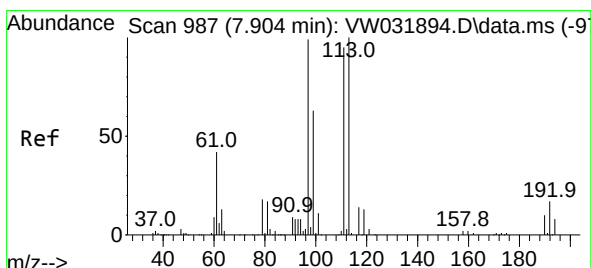
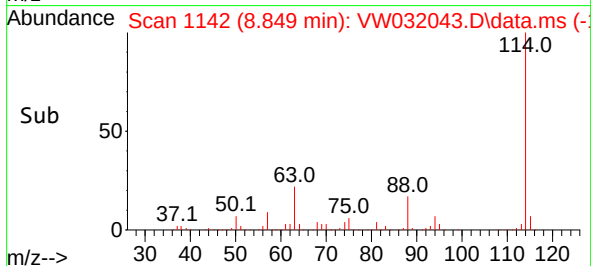
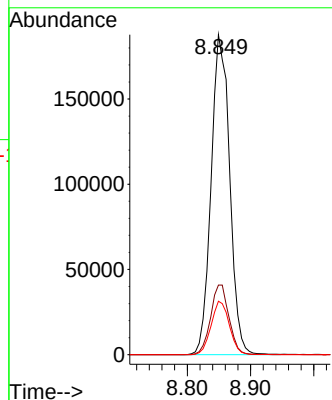
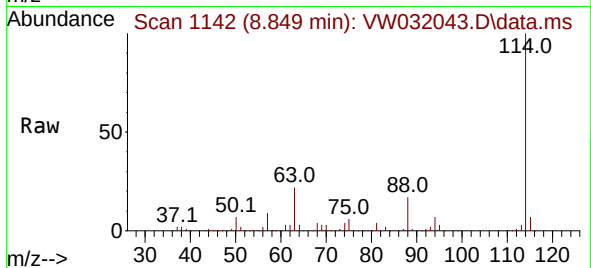
Tgt Ion:114 Resp: 382094

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.2

88 16.7 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.262 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032043.D

Acq: 07 Aug 2025 14:26

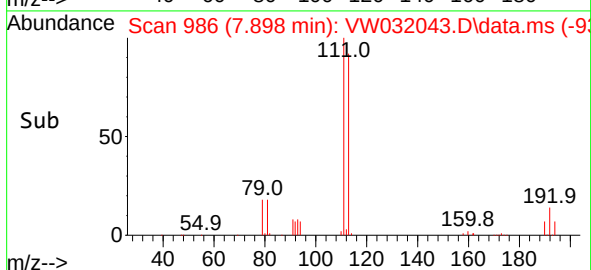
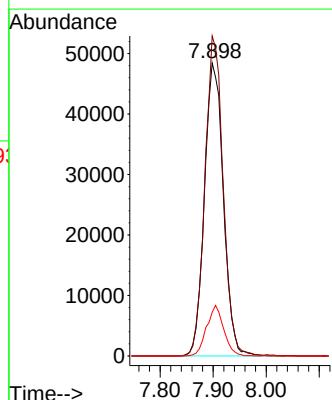
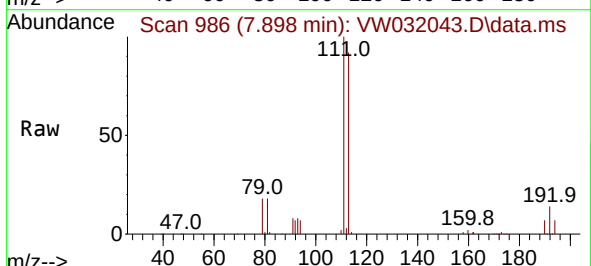
Tgt Ion:113 Resp: 120115

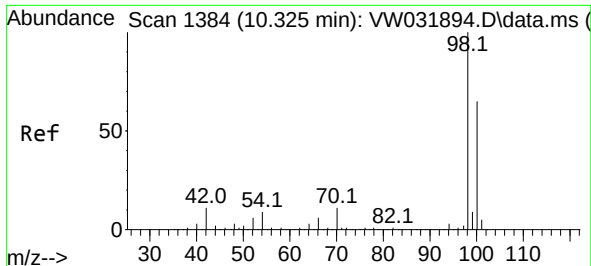
Ion Ratio Lower Upper

113 100

111 105.2 79.9 119.9

192 15.7 12.6 19.0

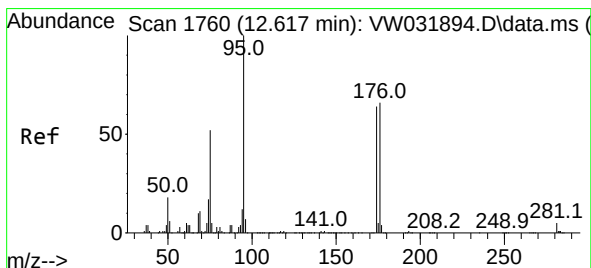
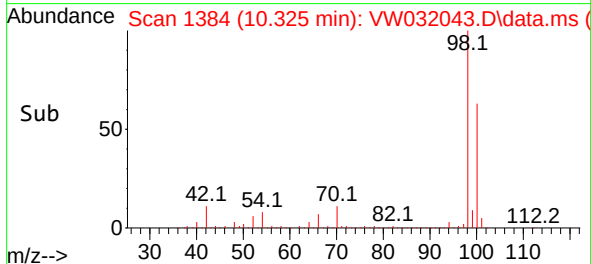
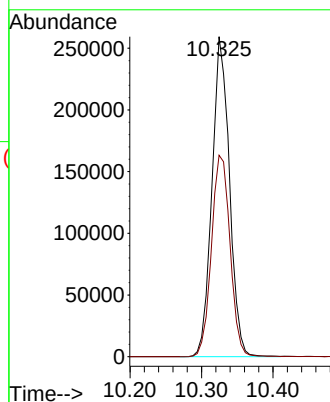
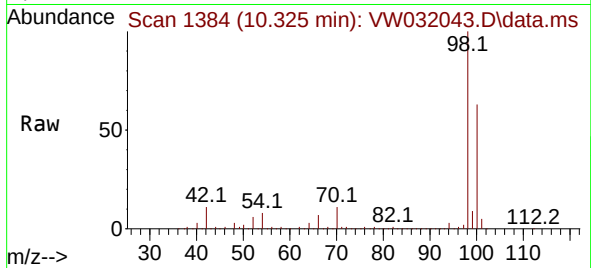




#50
Toluene-d8
Concen: 44.712 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032043.D
Acq: 07 Aug 2025 14:26

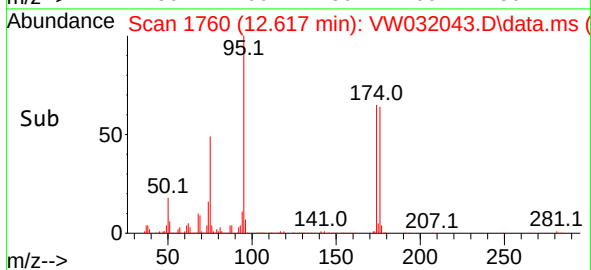
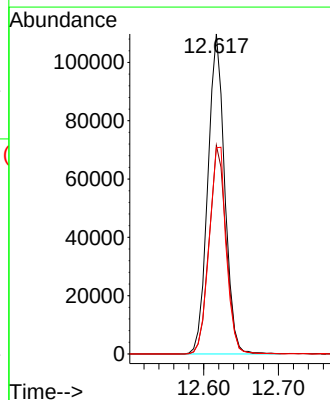
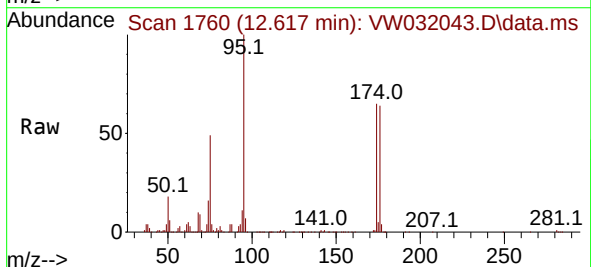
Instrument :
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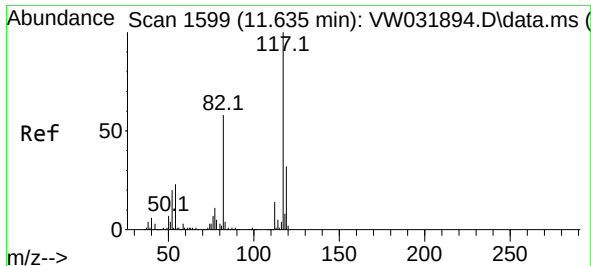
Tgt Ion: 98 Resp: 439365
Ion Ratio Lower Upper
98 100
100 67.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.415 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032043.D
Acq: 07 Aug 2025 14:26

Tgt Ion: 95 Resp: 171359
Ion Ratio Lower Upper
95 100
174 66.0 0.0 129.8
176 65.8 0.0 130.4

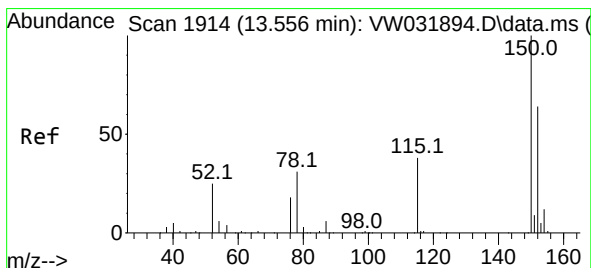
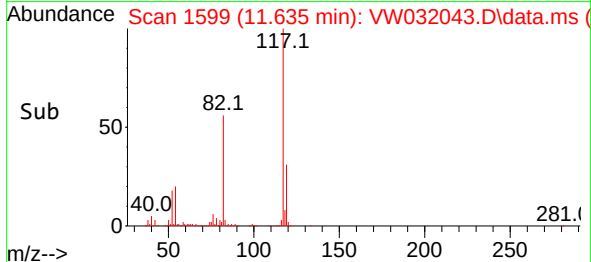
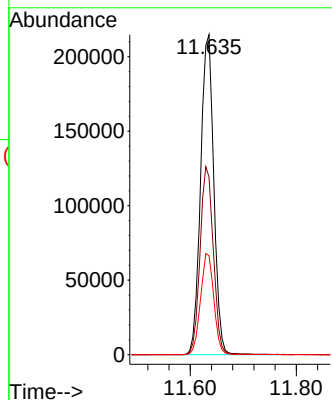
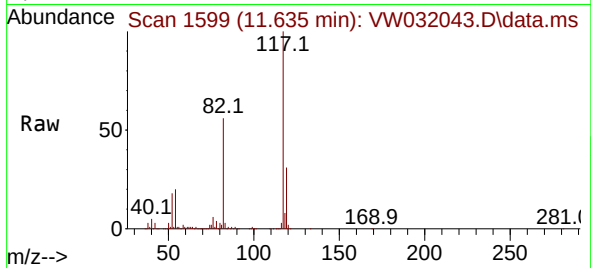




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032043.D
Acq: 07 Aug 2025 14:26

Instrument :
MSVOA_W
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 370140
Ion Ratio Lower Upper
117 100
82 55.6 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: VW032043.D
Acq: 07 Aug 2025 14:26

Tgt Ion:152 Resp: 182213
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 154.6 0.0 352.2

