

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032280.D
 Acq On : 26 Sep 2025 15:09
 Operator : SY/MD
 Sample : Q3215-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

Quant Time: Sep 29 08:39:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	180242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	388056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	386764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174400	61.279	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	122.560%
35) Dibromofluoromethane	7.898	113	141847	50.827	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.660%
50) Toluene-d8	10.325	98	530590	52.753	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.500%
62) 4-Bromofluorobenzene	12.617	95	177949	46.904	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.800%

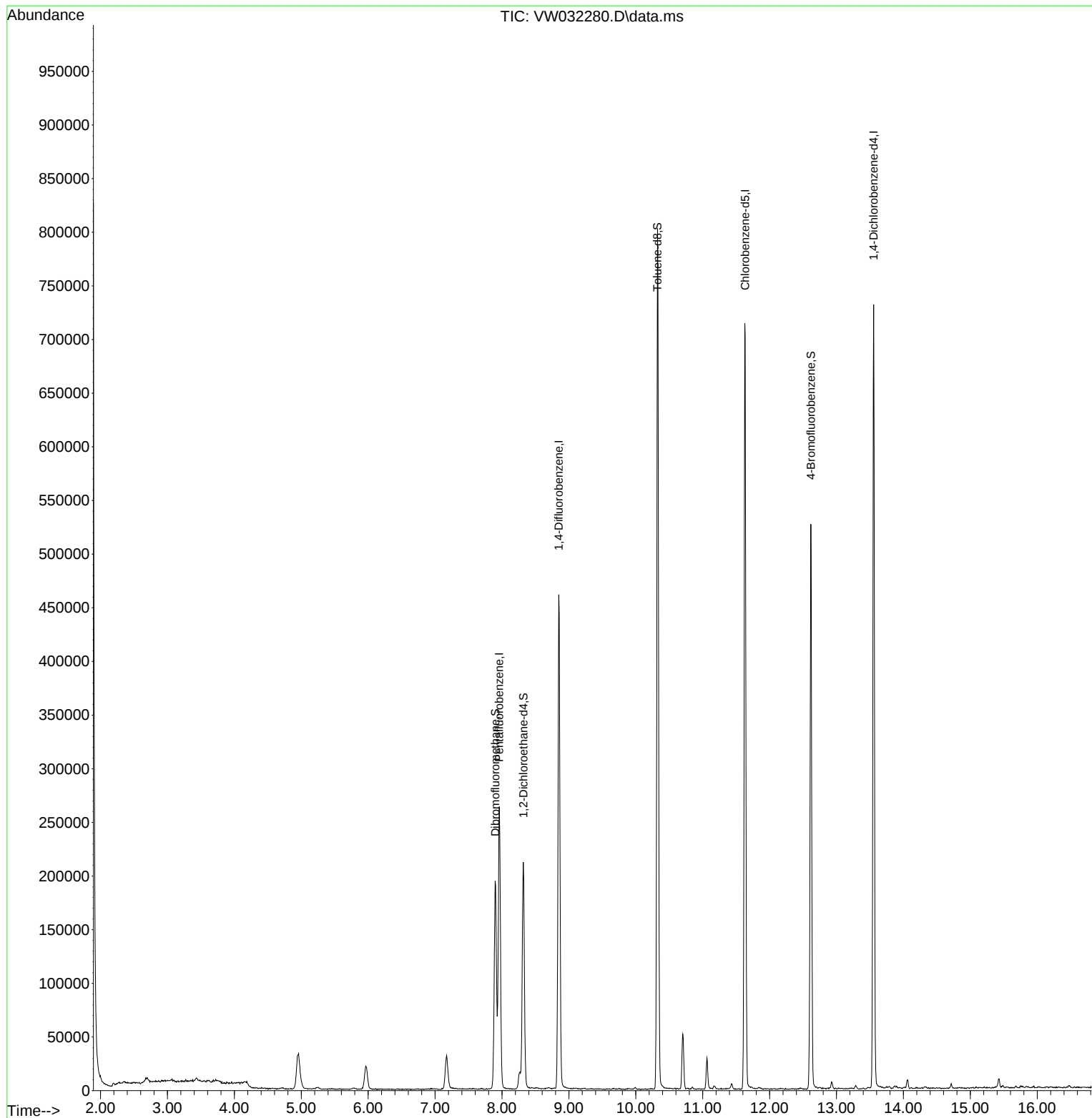
Target Compounds	Qvalue

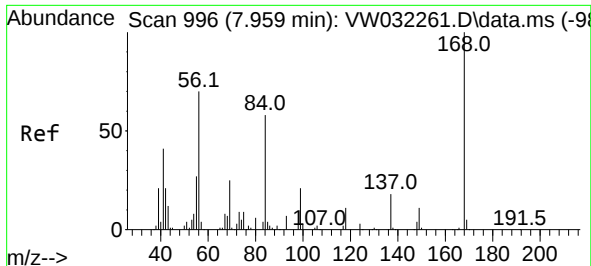
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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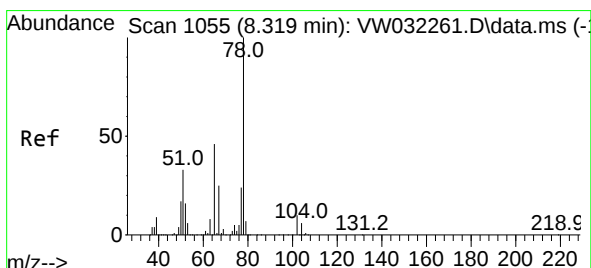
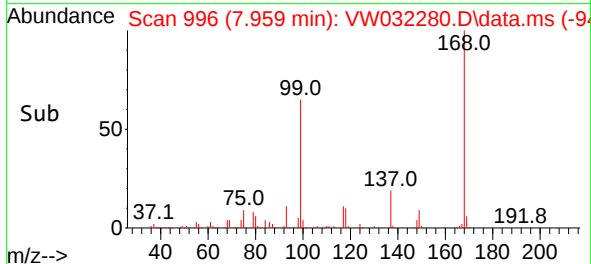
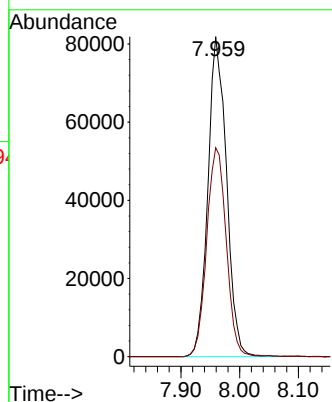
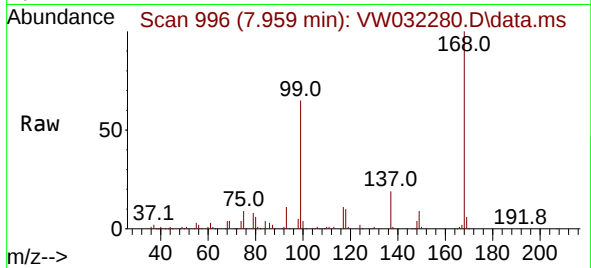




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

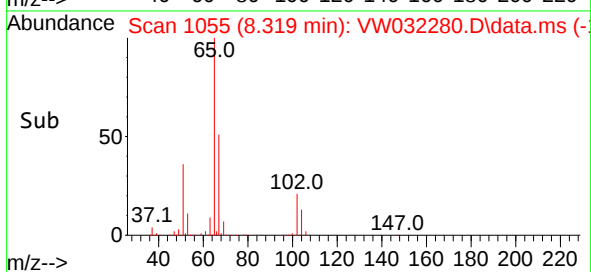
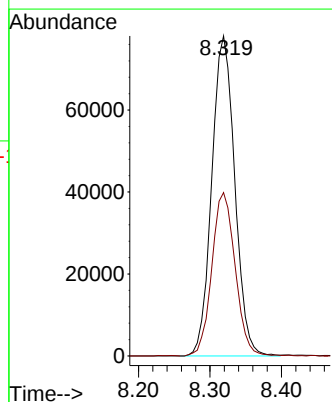
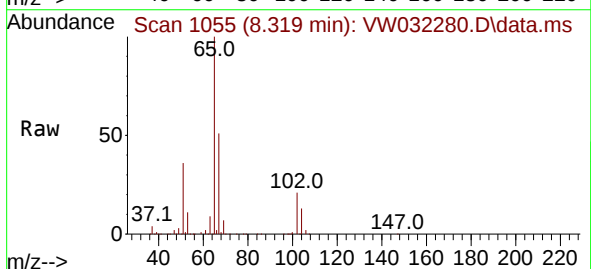
Instrument :
MSVOA_W
ClientSampleId :
WASTE

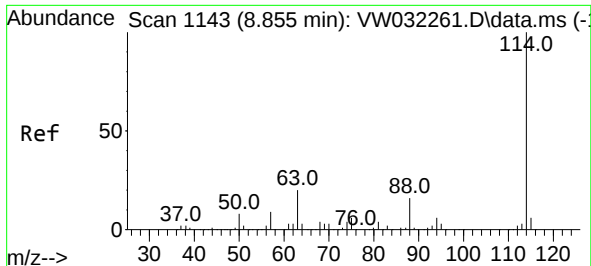
Tgt Ion:168 Resp: 180242
Ion Ratio Lower Upper
168 100
99 65.3 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 61.279 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 65 Resp: 174400
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032280.D

Acq: 26 Sep 2025 15:09

Instrument :

MSVOA_W

ClientSampleId :

WASTE

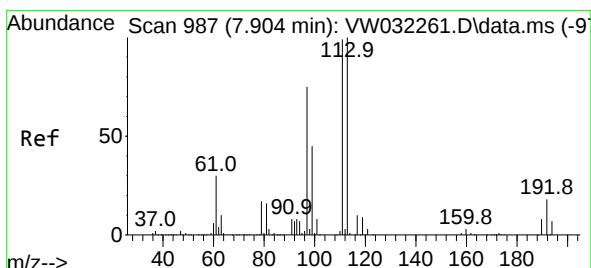
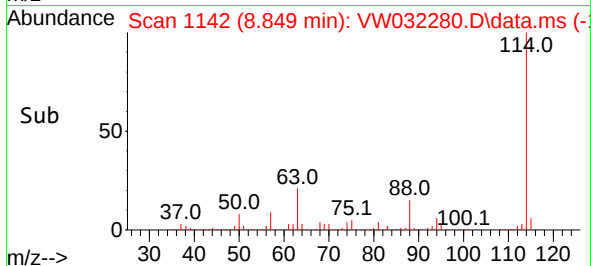
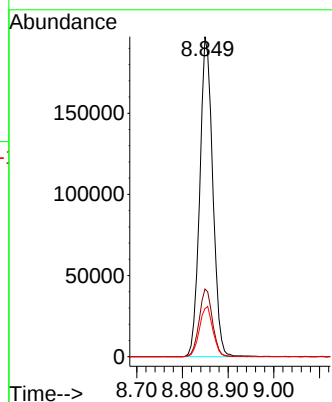
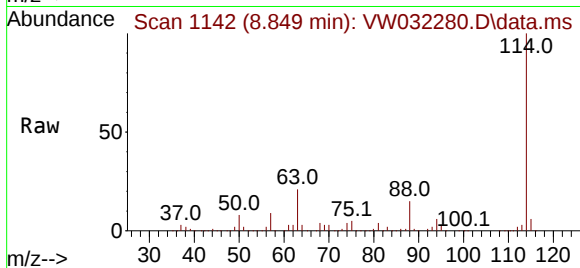
Tgt Ion:114 Resp: 388056

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.827 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032280.D

Acq: 26 Sep 2025 15:09

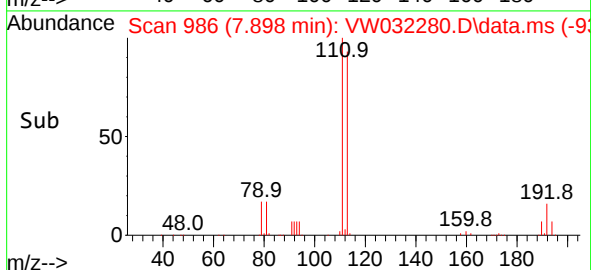
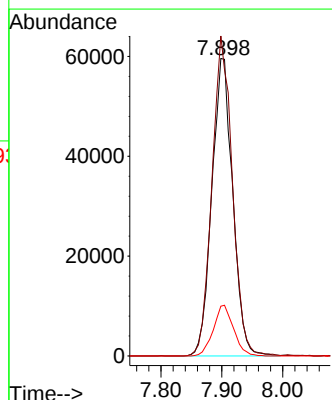
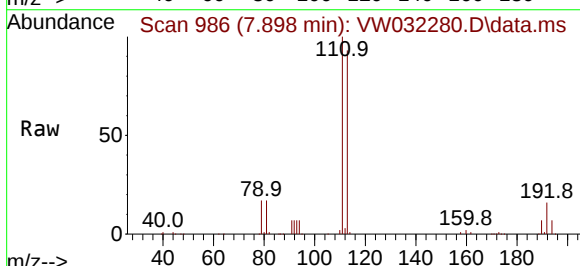
Tgt Ion:113 Resp: 141847

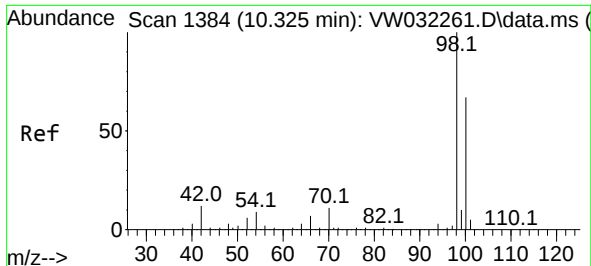
Ion Ratio Lower Upper

113 100

111 105.1 81.8 122.8

192 16.5 13.0 19.4

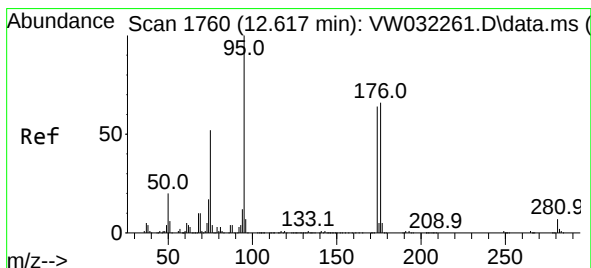
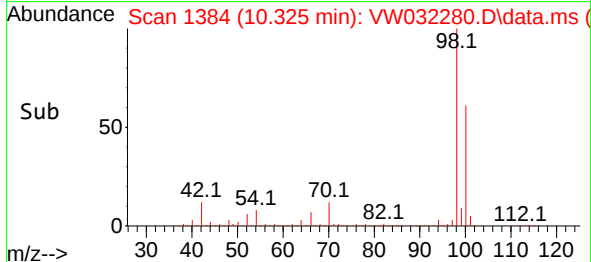
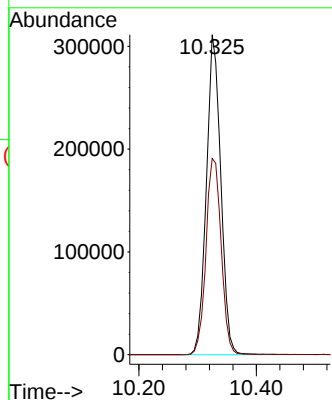
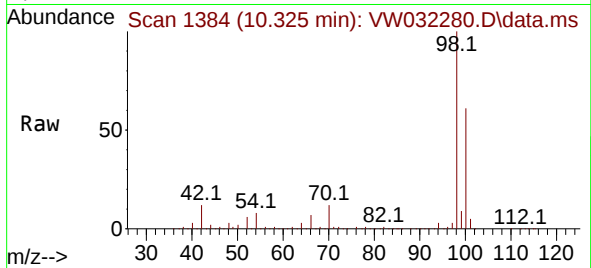




#50
Toluene-d8
Concen: 52.753 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

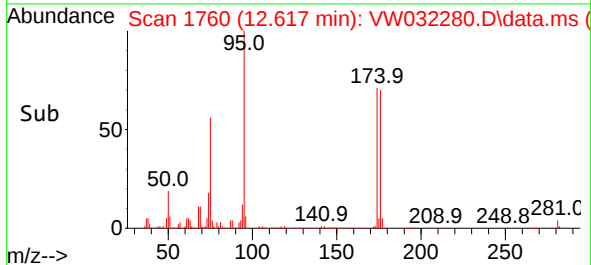
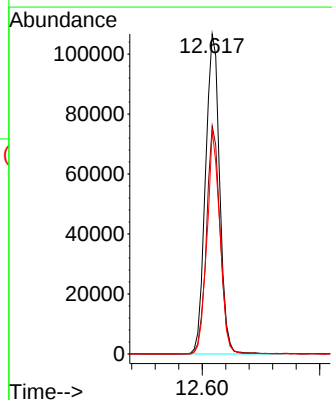
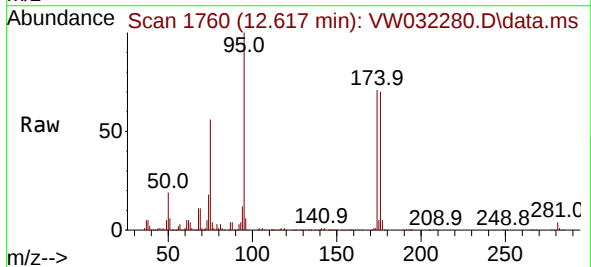
Instrument :
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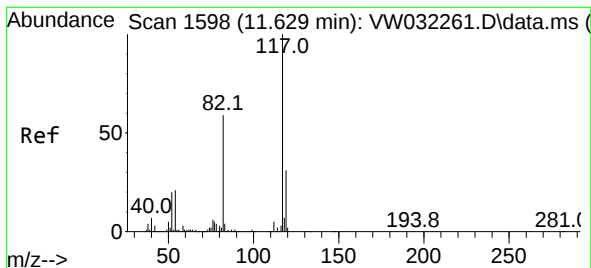
Tgt Ion: 98 Resp: 530590
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 95 Resp: 177949
Ion Ratio Lower Upper
95 100
174 68.2 0.0 130.6
176 64.2 0.0 127.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW032280.D

Acq: 26 Sep 2025 15:09

Instrument :

MSVOA_W

ClientSampleId :

WASTE

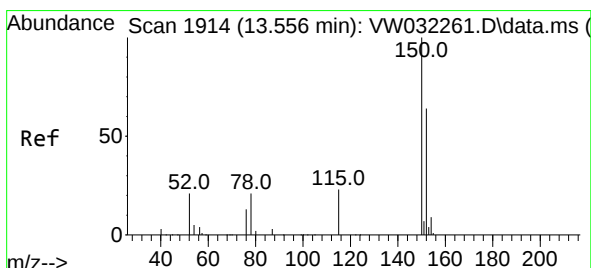
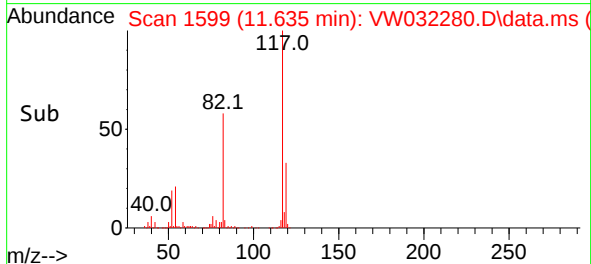
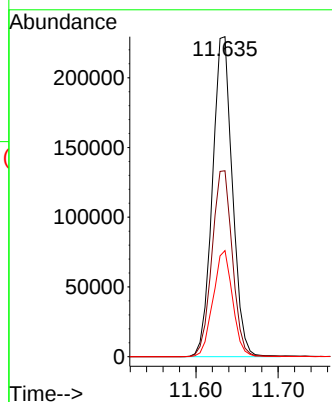
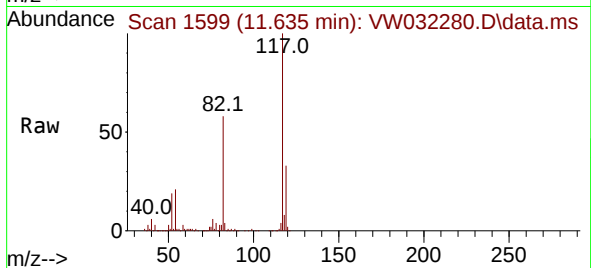
Tgt Ion:117 Resp: 386764

Ion Ratio Lower Upper

117 100

82 58.1 46.9 70.3

119 33.2 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032280.D

Acq: 26 Sep 2025 15:09

Tgt Ion:152 Resp: 183728

Ion Ratio Lower Upper

152 100

115 63.5 32.5 97.5

150 163.0 0.0 370.2

