

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032283.D
 Acq On : 26 Sep 2025 16:15
 Operator : SY/MD
 Sample : Q3231-07
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-2-VOC

Quant Time: Sep 29 08:40:52 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	7.965	168	148595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	311000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	303357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	143628	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130799	55.747	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	111.500%
35) Dibromofluoromethane	7.904	113	113379	50.692	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.380%
50) Toluene-d8	10.325	98	392741	48.723	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.617	95	129900	42.723	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	85.440%

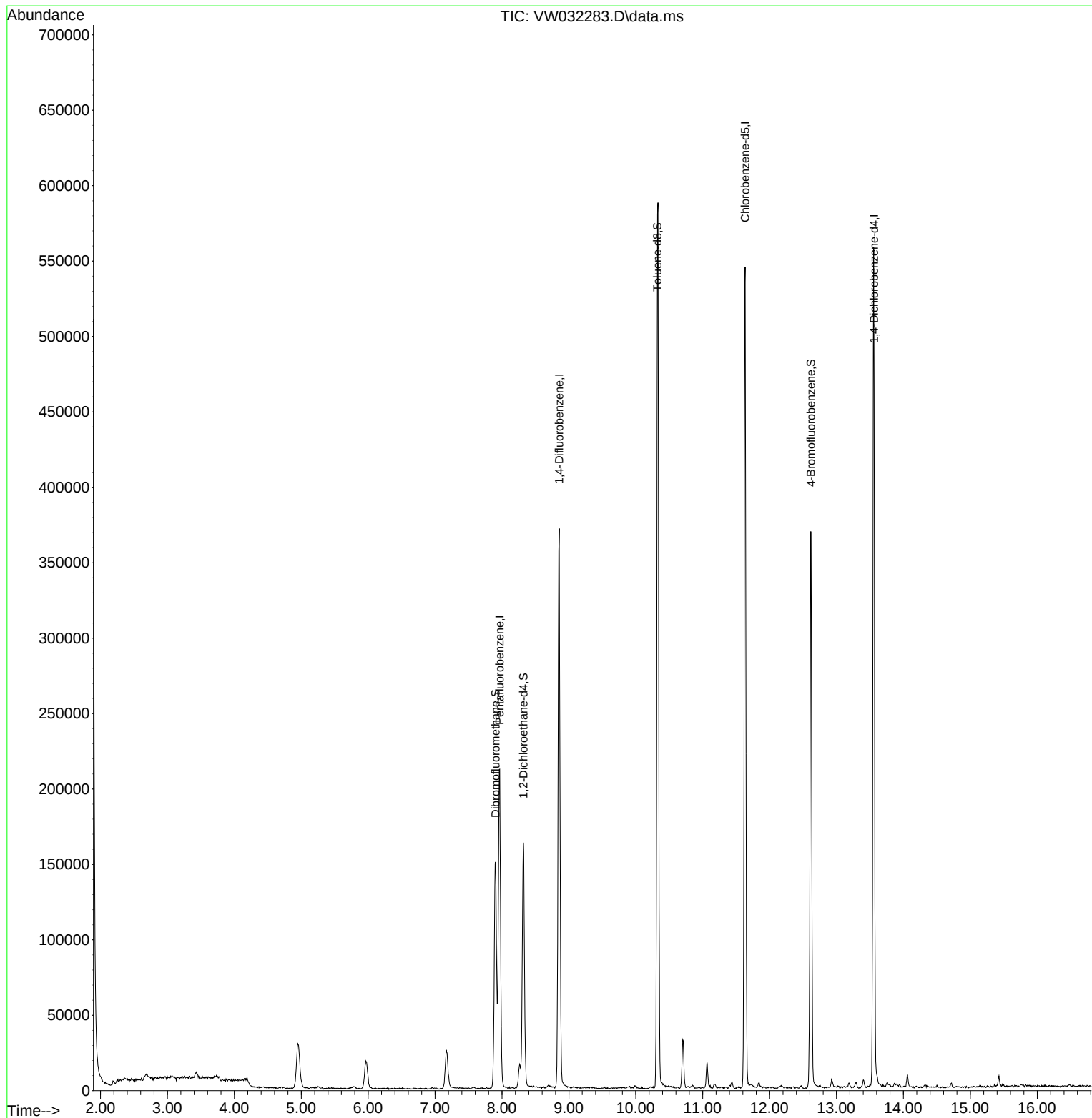
Target Compounds	Qvalue

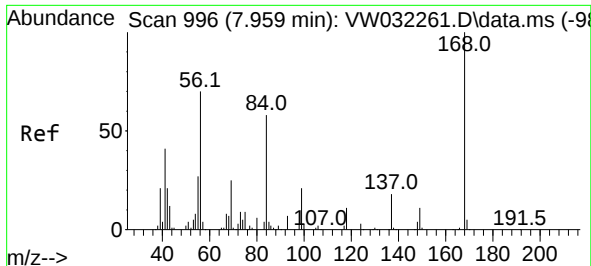
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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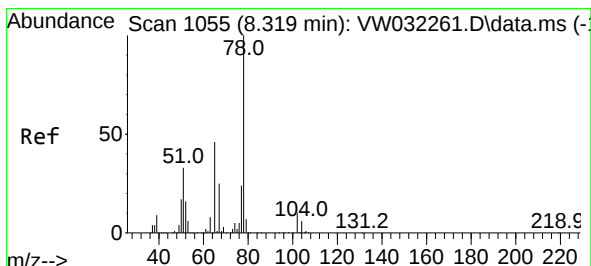
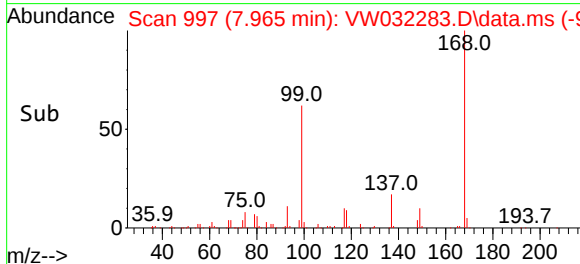
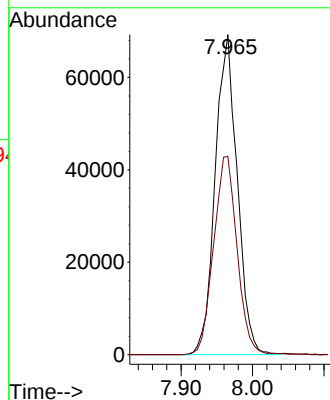
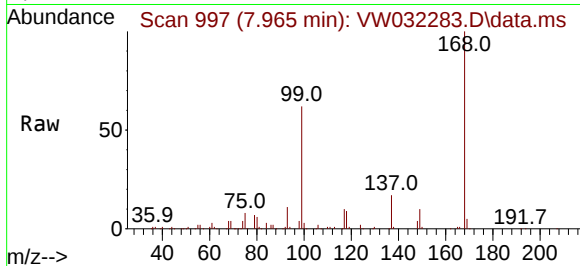




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

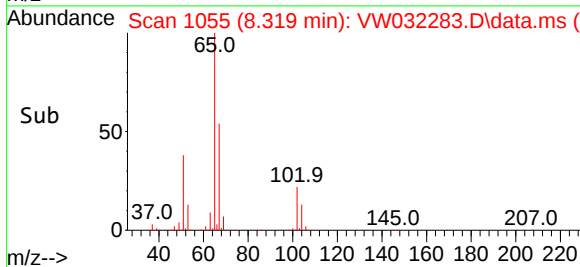
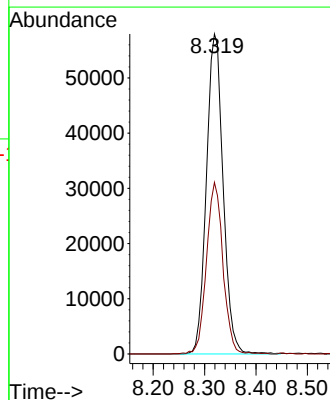
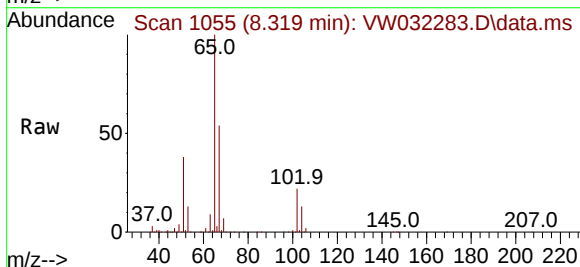
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

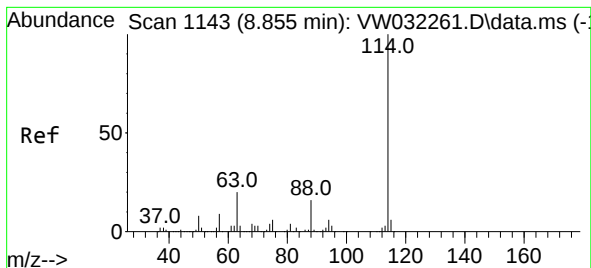
Tgt Ion:168 Resp: 148595
Ion Ratio Lower Upper
168 100
99 61.9 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 55.747 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion: 65 Resp: 130799
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

WC-2-VOC

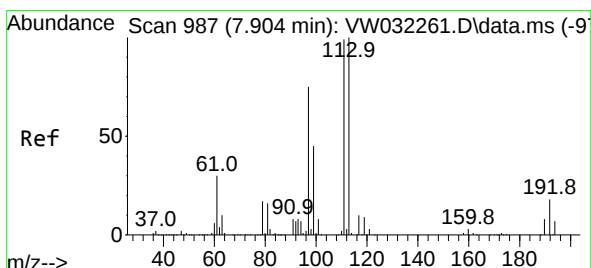
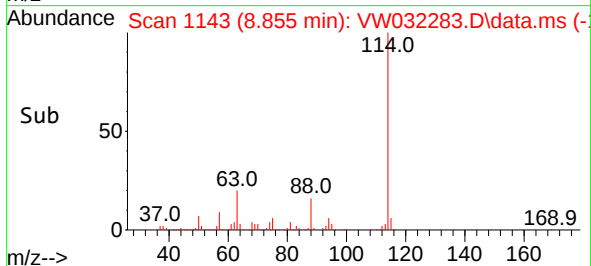
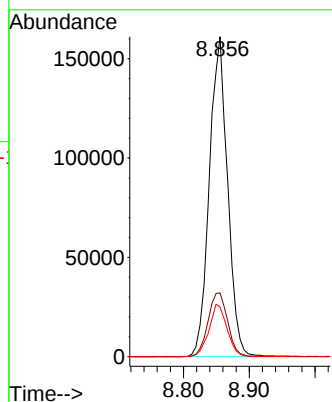
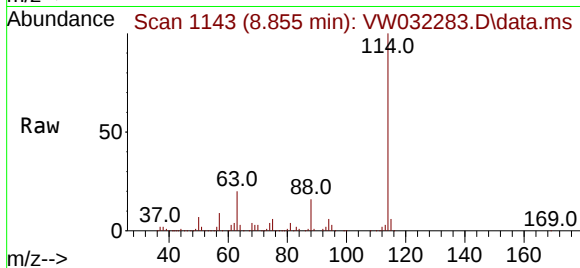
Tgt Ion:114 Resp: 311000

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.692 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

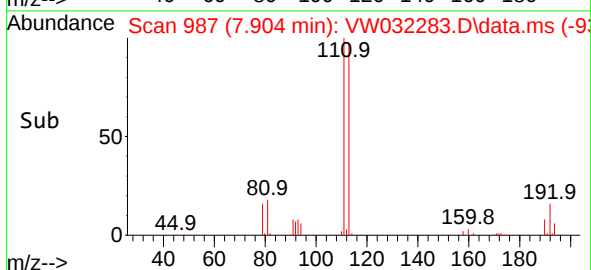
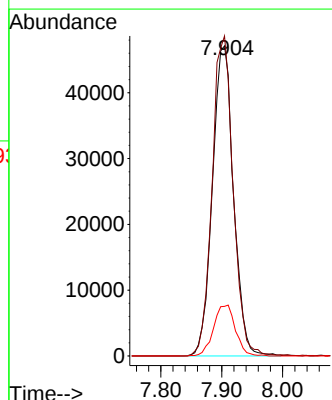
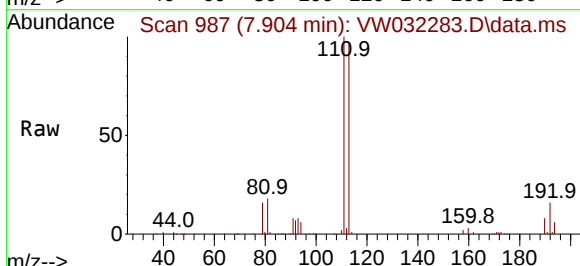
Tgt Ion:113 Resp: 113379

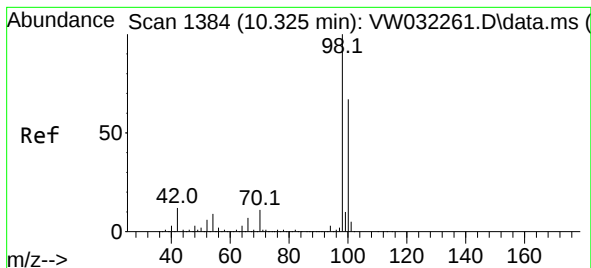
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 17.0 13.0 19.4





#50

Toluene-d8

Concen: 48.723 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

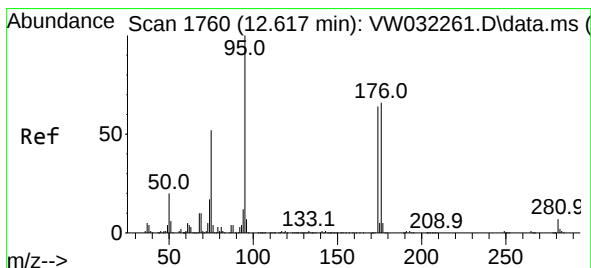
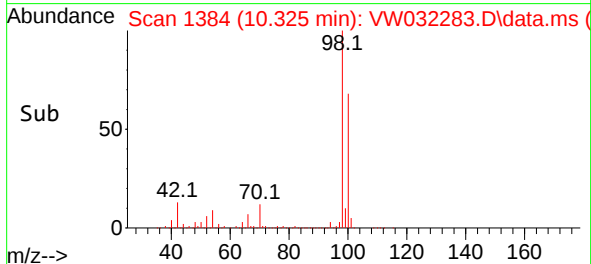
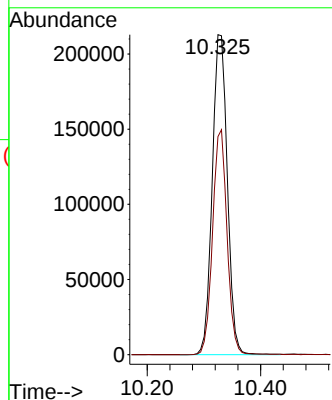
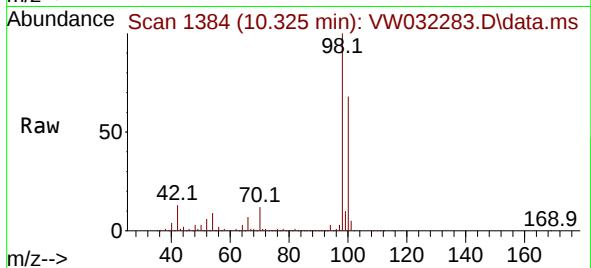
WC-2-VOC

Tgt Ion: 98 Resp: 392741

Ion Ratio Lower Upper

98 100

100 67.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.723 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

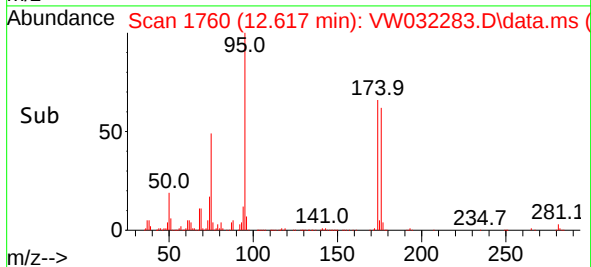
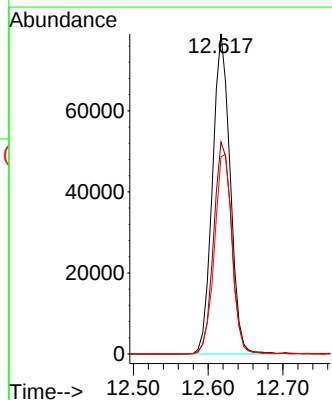
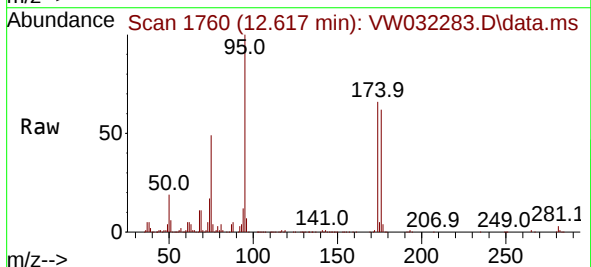
Tgt Ion: 95 Resp: 129900

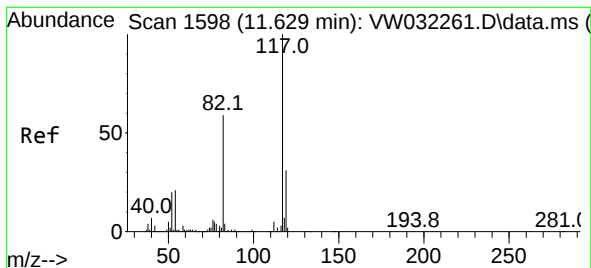
Ion Ratio Lower Upper

95 100

174 67.7 0.0 130.6

176 62.7 0.0 127.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

WC-2-VOC

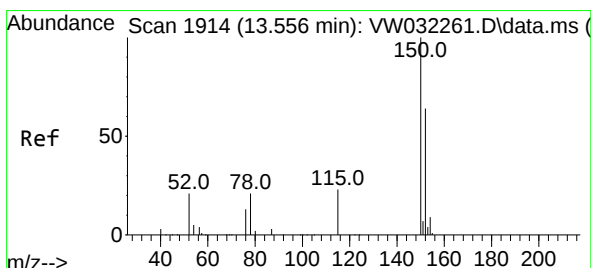
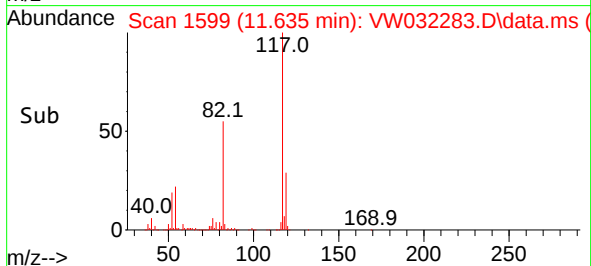
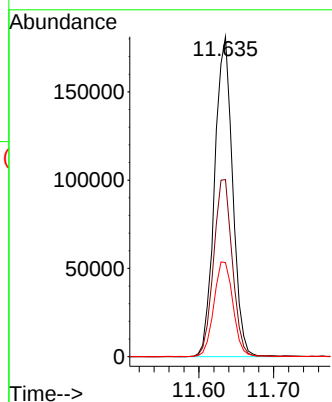
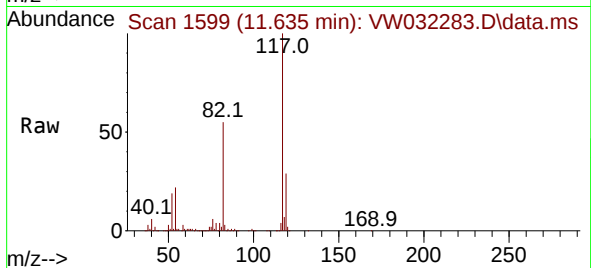
Tgt Ion:117 Resp: 303357

Ion Ratio Lower Upper

117 100

82 55.4 46.9 70.3

119 29.3 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.562 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Tgt Ion:152 Resp: 143628

Ion Ratio Lower Upper

152 100

115 63.3 32.5 97.5

150 150.2 0.0 370.2

