

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032284.D
 Acq On : 26 Sep 2025 16:37
 Operator : SY/MD
 Sample : Q3231-11
 Misc : 5.13g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Quant Time: Sep 29 08:41:16 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	191658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	440614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	210831	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	181827	60.084	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	120.160%
35) Dibromofluoromethane	7.898	113	151210	49.980	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.960%
50) Toluene-d8	10.331	98	551929	50.619	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.617	95	188750	45.893	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.780%

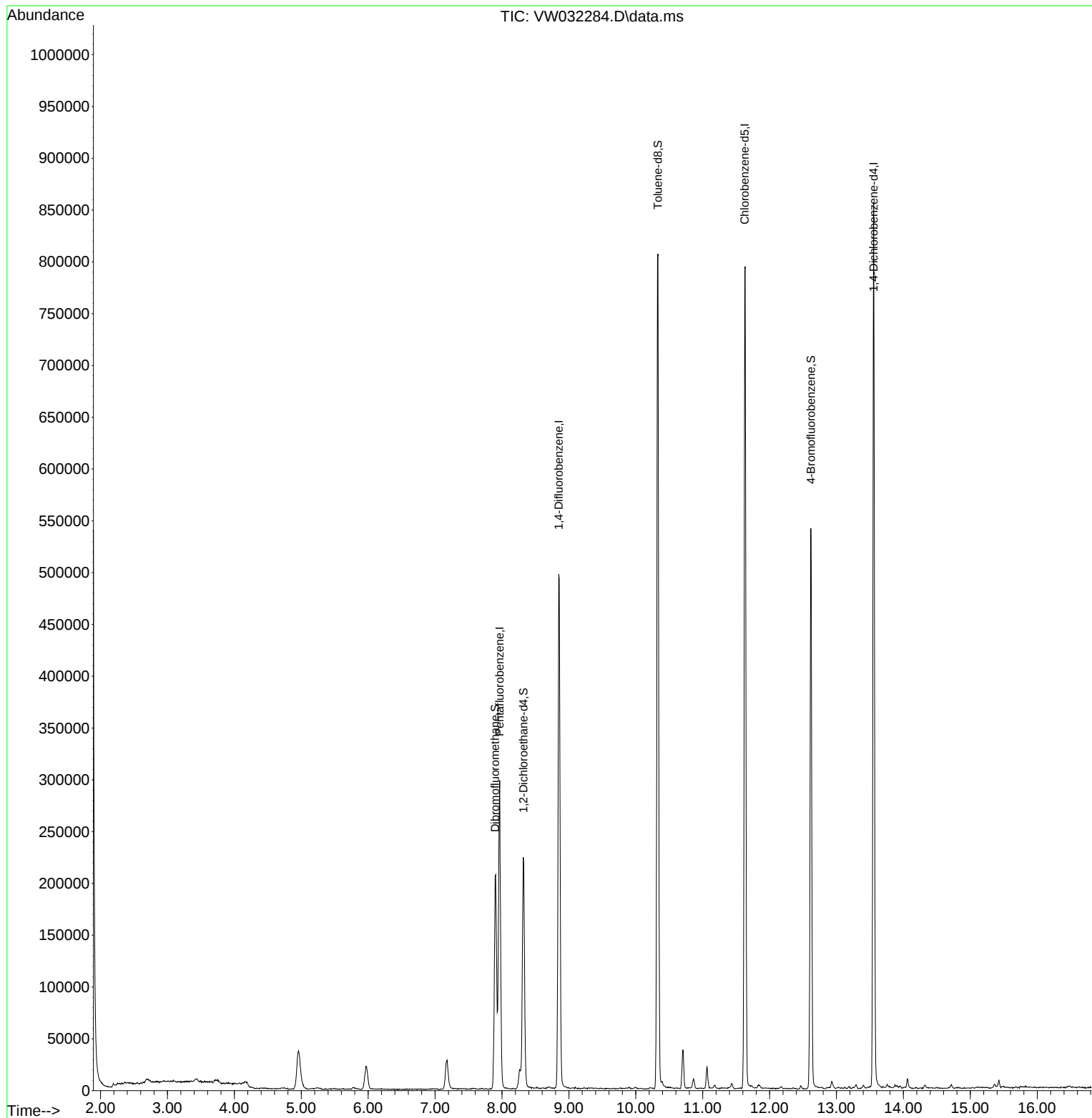
Target Compounds	Qvalue

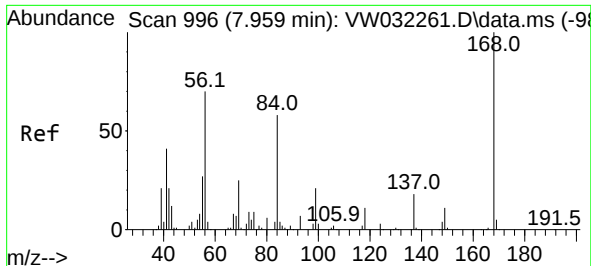
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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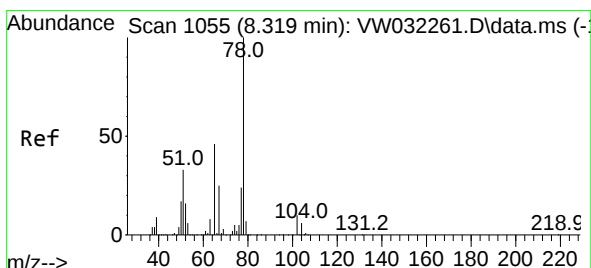
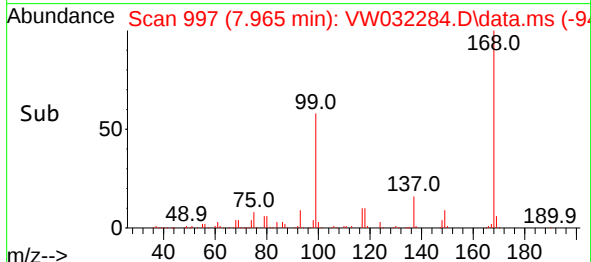
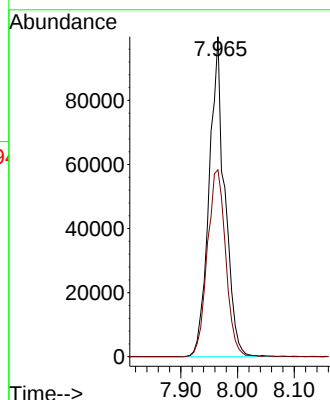
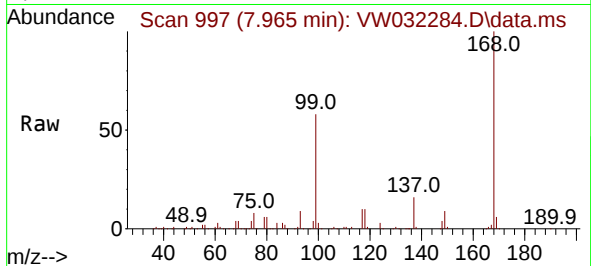




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

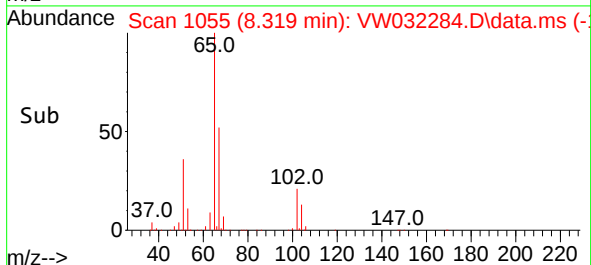
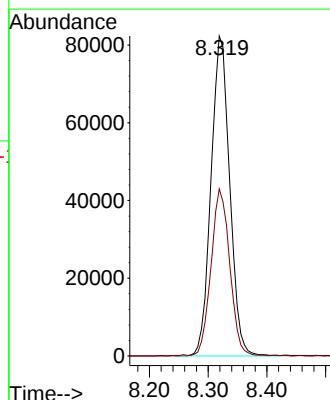
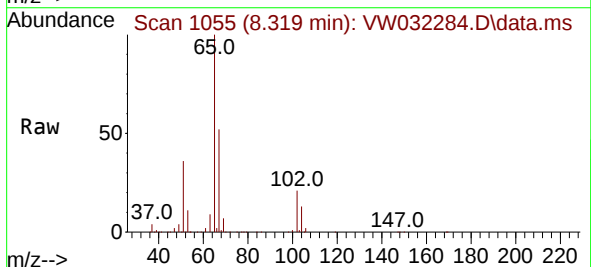
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

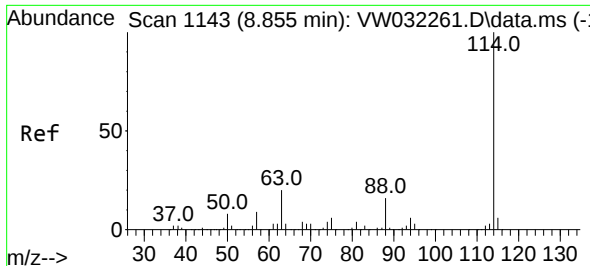
Tgt Ion:168 Resp: 191658
Ion Ratio Lower Upper
168 100
99 58.4 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 60.084 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 65 Resp: 181827
Ion Ratio Lower Upper
65 100
67 51.9 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: VW032284.D

Acq: 26 Sep 2025 16:37

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

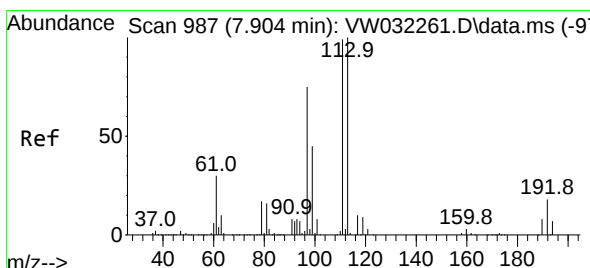
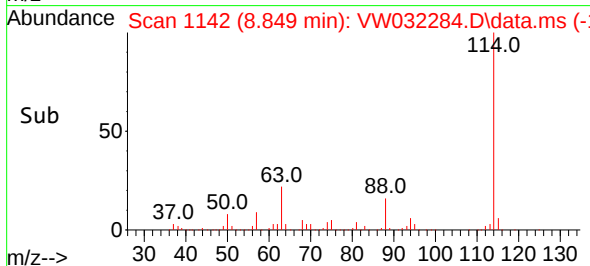
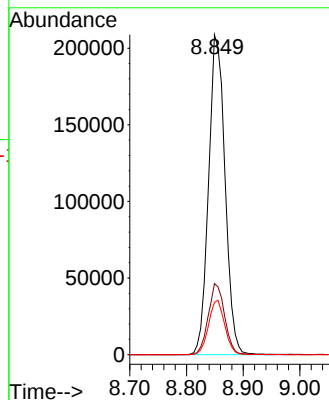
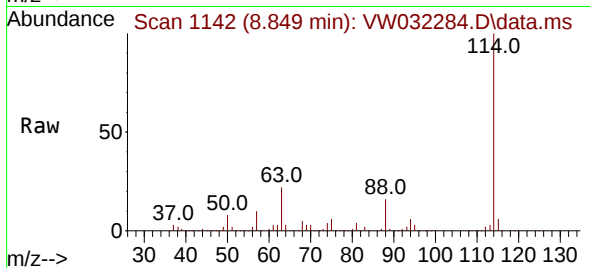
Tgt Ion:114 Resp: 420683

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.2

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.980 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032284.D

Acq: 26 Sep 2025 16:37

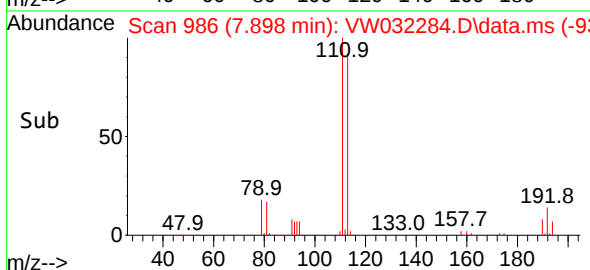
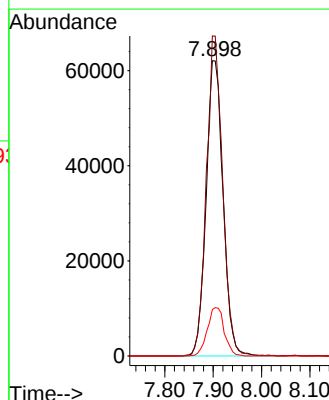
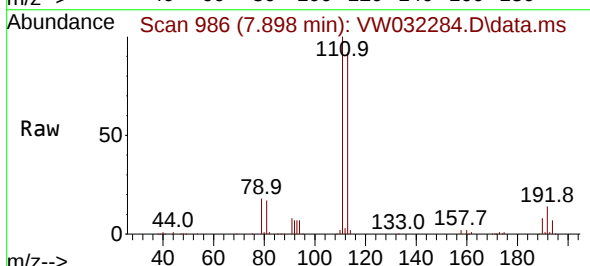
Tgt Ion:113 Resp: 151210

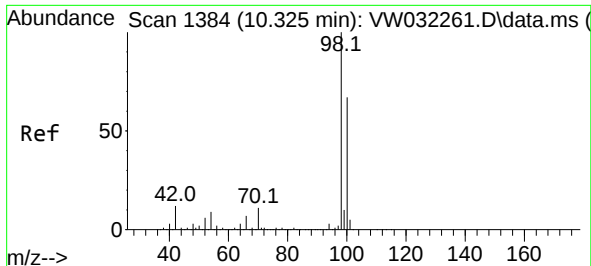
Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 16.3 13.0 19.4

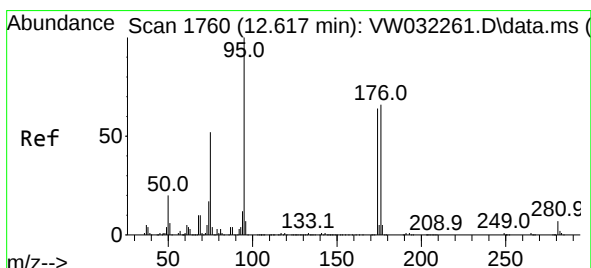
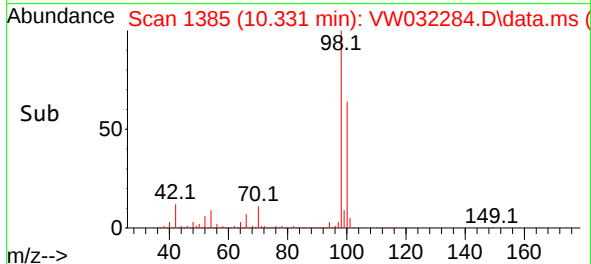
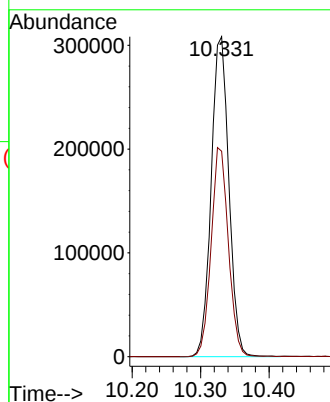
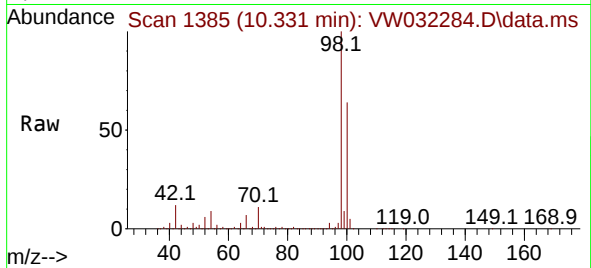




#50
Toluene-d8
Concen: 50.619 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

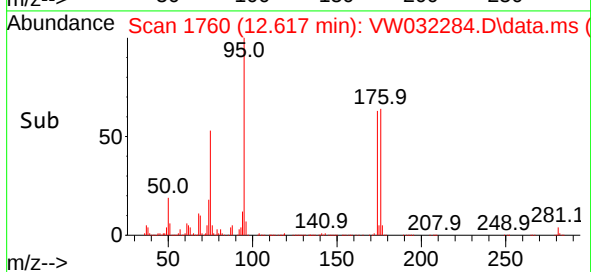
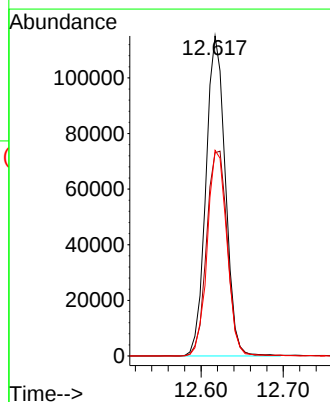
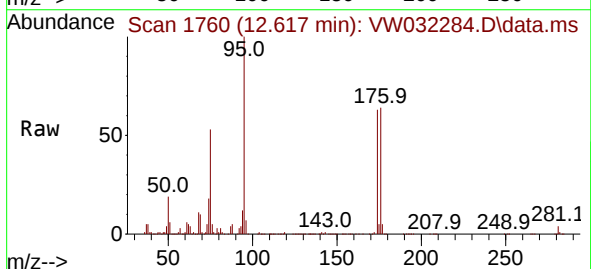
Instrument :
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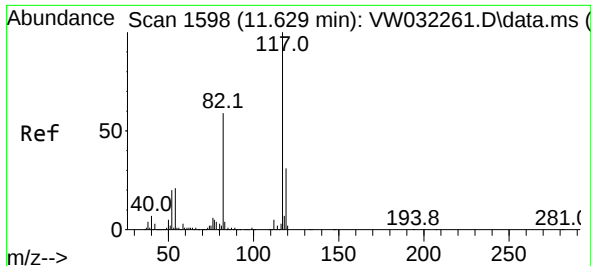
Tgt Ion: 98 Resp: 551929
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.893 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion: 95 Resp: 188750
Ion Ratio Lower Upper
95 100
174 68.7 0.0 130.6
176 65.0 0.0 127.0

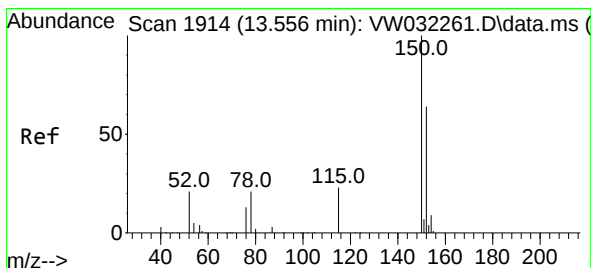
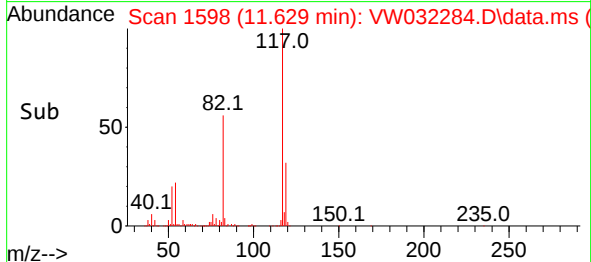
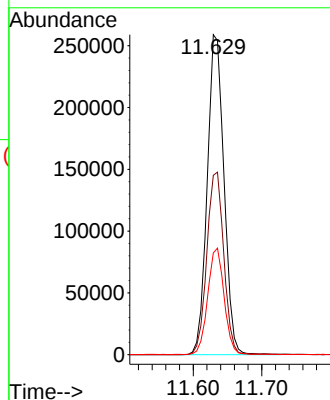
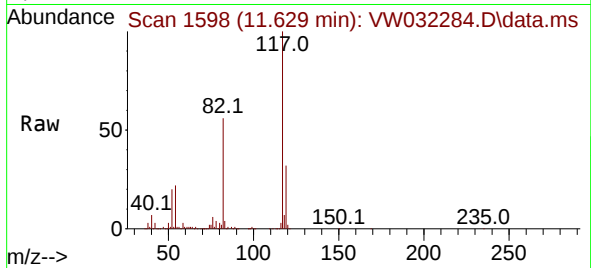




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032284.D
Acq: 26 Sep 2025 16:37

Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

Tgt Ion:117 Resp: 440614
Ion Ratio Lower Upper
117 100
82 56.0 46.9 70.3
119 31.8 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: VW032284.D
Acq: 26 Sep 2025 16:37

Tgt Ion:152 Resp: 210831
Ion Ratio Lower Upper
152 100
115 61.5 32.5 97.5
150 163.8 0.0 370.2

