

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032285.D
 Acq On : 26 Sep 2025 16:59
 Operator : SY/MD
 Sample : Q3231-15
 Misc : 5.63g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

Quant Time: Sep 29 08:41:39 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	7.965	168	183947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	414831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	437817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	220411	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	197858	68.122	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	136.240%
35) Dibromofluoromethane	7.904	113	163011	54.640	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.280%
50) Toluene-d8	10.331	98	588478	54.732	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	109.460%
62) 4-Bromofluorobenzene	12.617	95	215686	53.182	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.360%

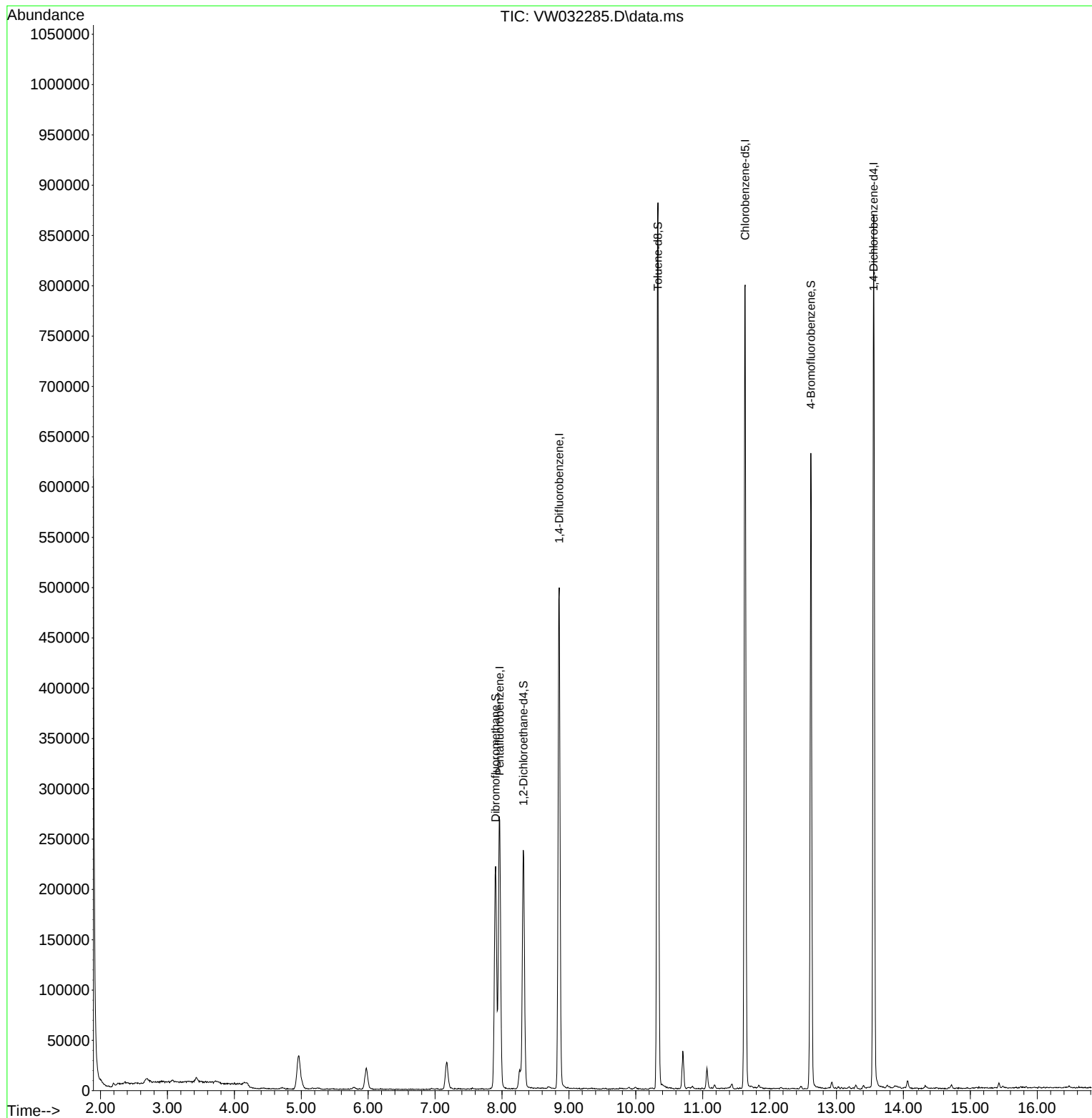
Target Compounds	Qvalue

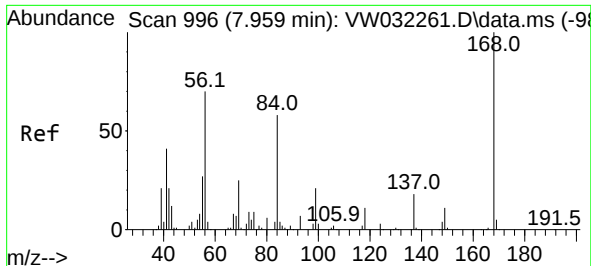
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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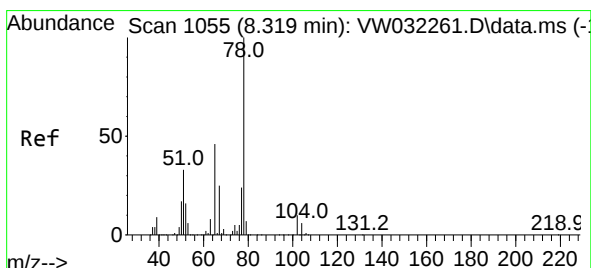
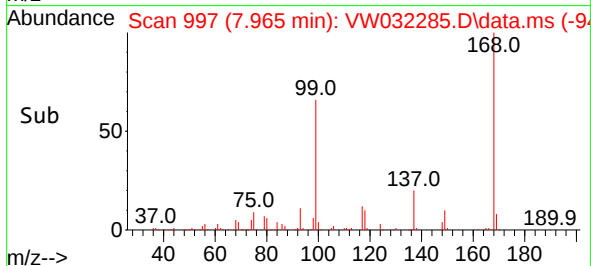
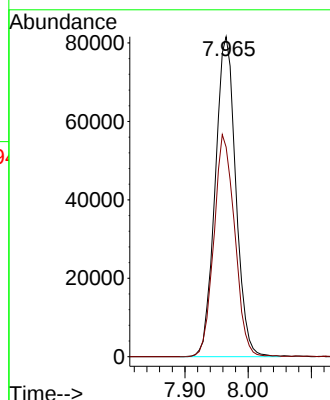
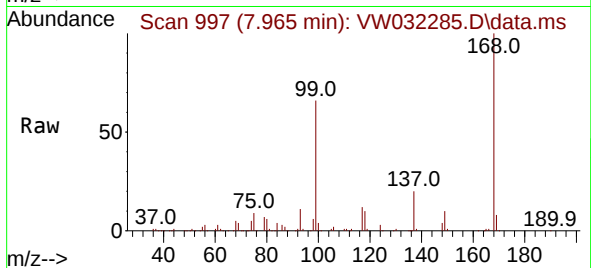




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

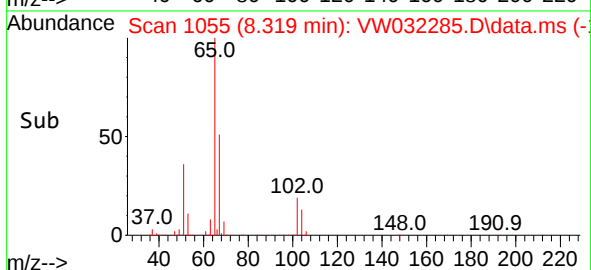
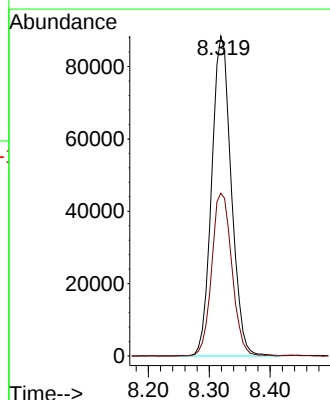
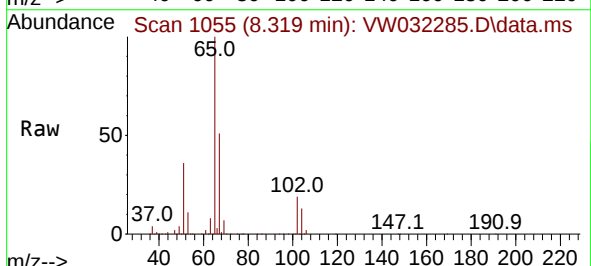
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

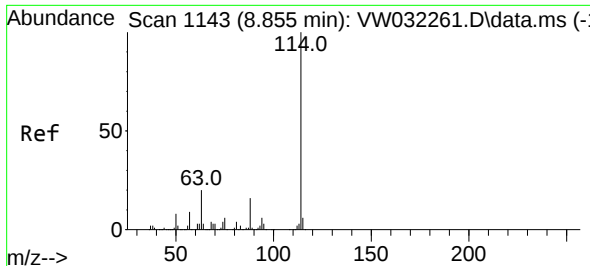
Tgt Ion:168 Resp: 183947
Ion Ratio Lower Upper
168 100
99 65.5 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 68.122 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 65 Resp: 197858
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

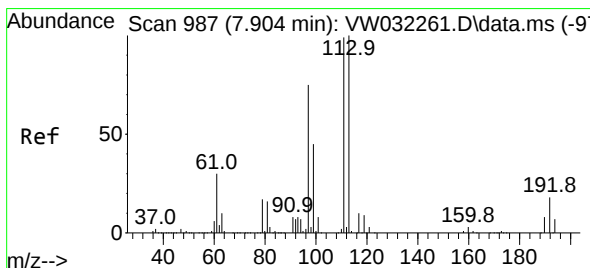
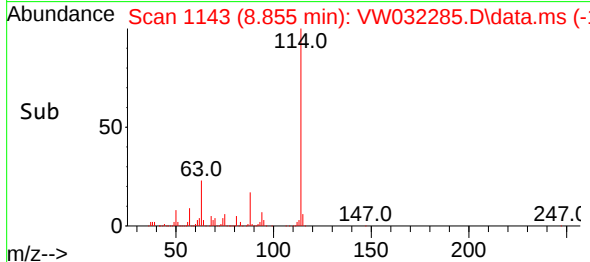
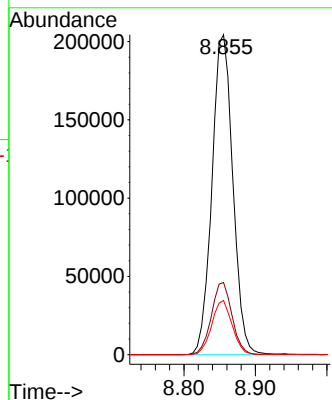
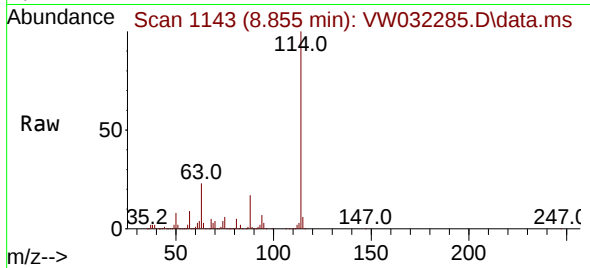




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

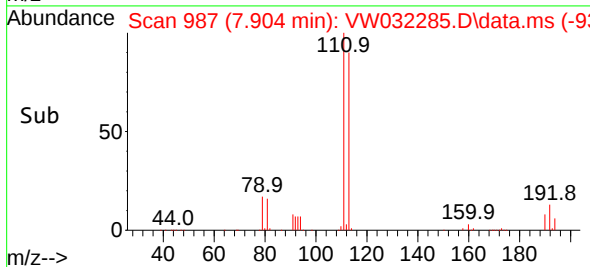
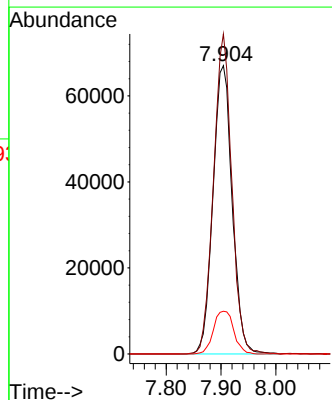
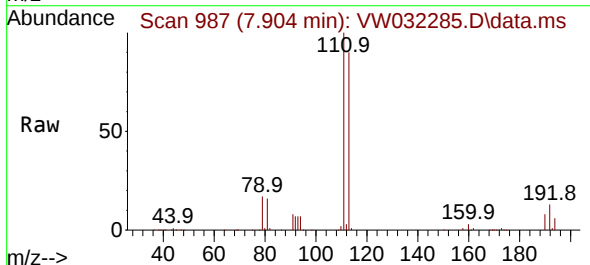
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

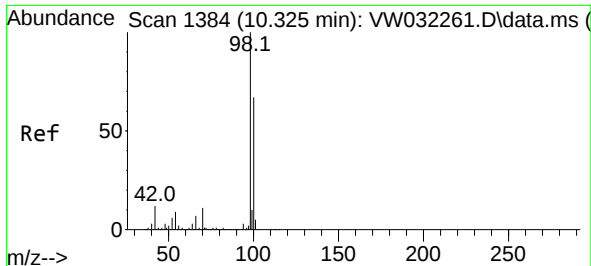
Tgt Ion:114 Resp: 414831
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.2
88 16.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 54.640 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion:113 Resp: 163011
Ion Ratio Lower Upper
113 100
111 105.6 81.8 122.8
192 15.7 13.0 19.4

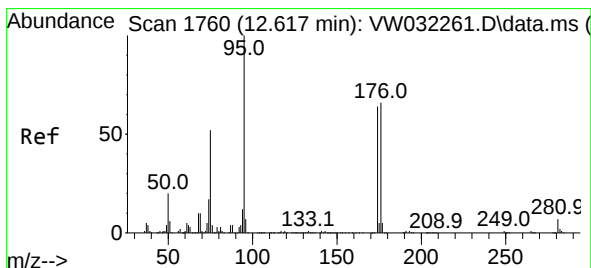
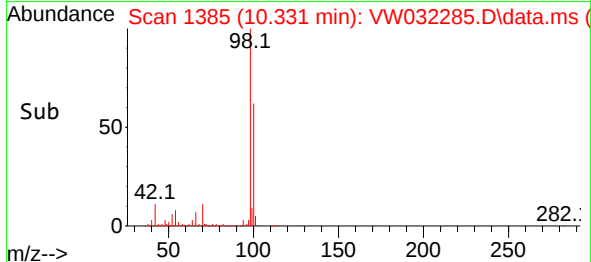
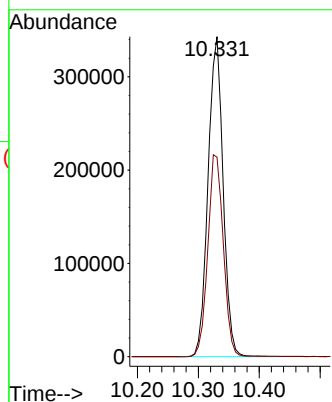
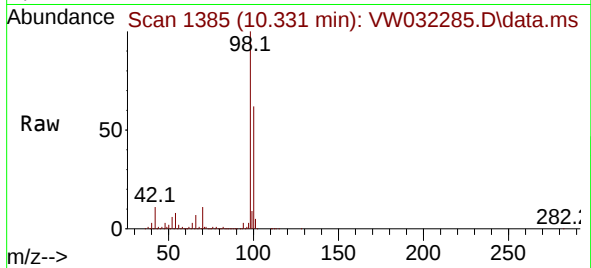




#50
Toluene-d8
Concen: 54.732 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

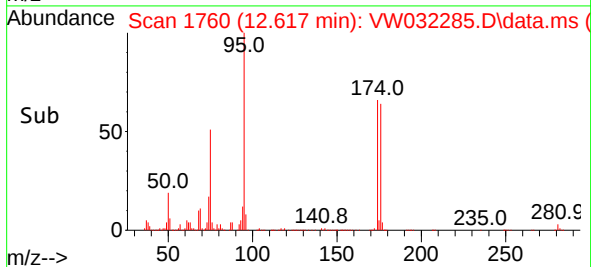
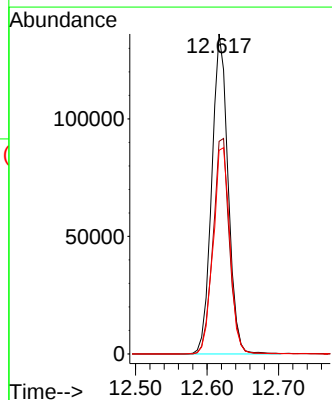
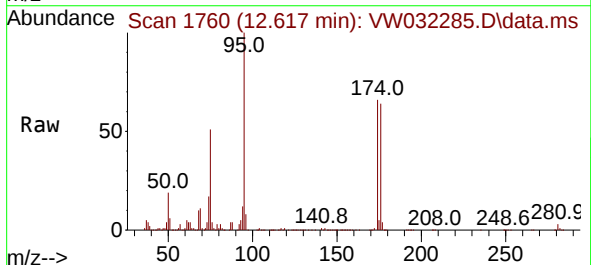
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

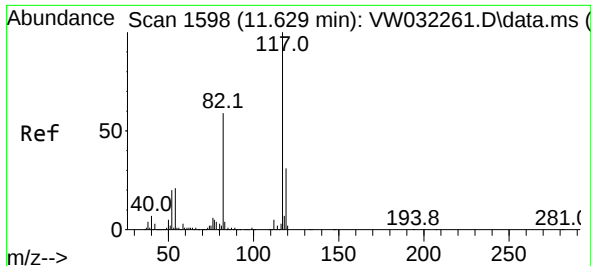
Tgt Ion: 98 Resp: 588478
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.182 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion: 95 Resp: 215686
Ion Ratio Lower Upper
95 100
174 68.0 0.0 130.6
176 66.3 0.0 127.0

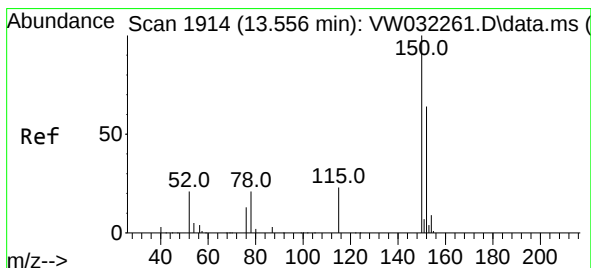
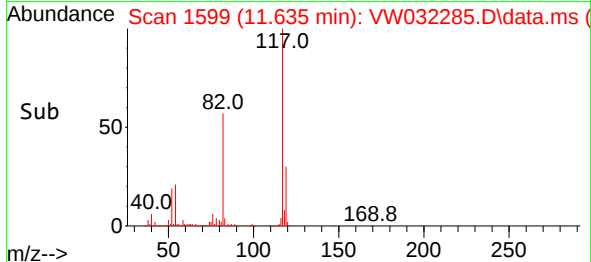
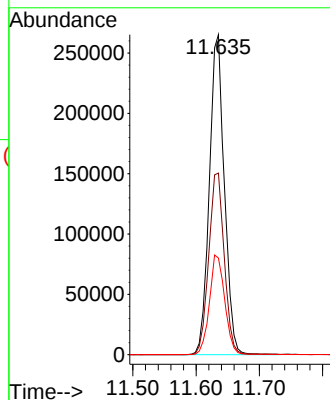
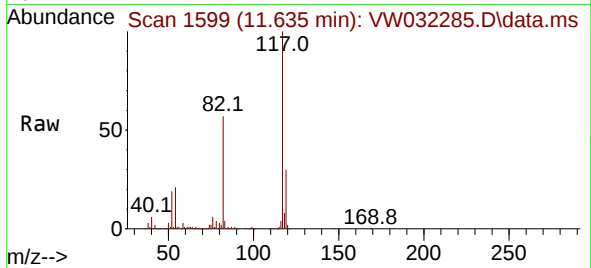




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032285.D
Acq: 26 Sep 2025 16:59

Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

Tgt Ion:117 Resp: 437817
Ion Ratio Lower Upper
117 100
82 56.7 46.9 70.3
119 30.1 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: VW032285.D
Acq: 26 Sep 2025 16:59

Tgt Ion:152 Resp: 220411
Ion Ratio Lower Upper
152 100
115 63.8 32.5 97.5
150 149.4 0.0 370.2

