

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032282.D
 Acq On : 26 Sep 2025 15:53
 Operator : SY/MD
 Sample : Q3231-03
 Misc : 5.10g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1-VOC

Quant Time: Sep 29 08:40:29 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	199755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	425160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	454251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	226015	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	184327	58.441	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.880%
35) Dibromofluoromethane	7.904	113	150251	49.140	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.280%
50) Toluene-d8	10.331	98	546242	49.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.617	95	198880	47.846	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.700%

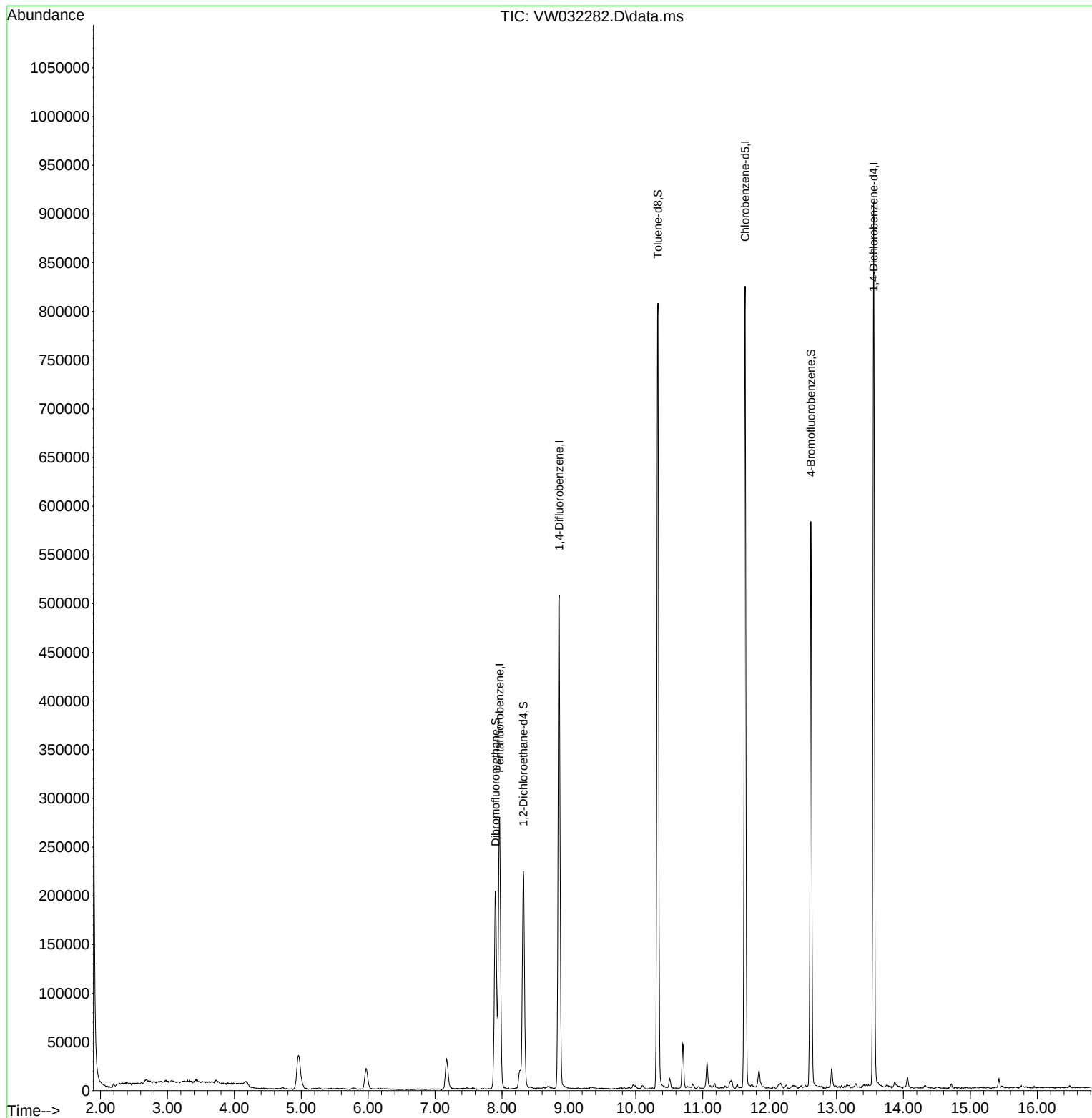
Target Compounds	Qvalue

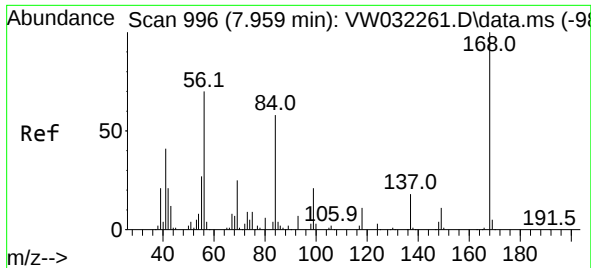
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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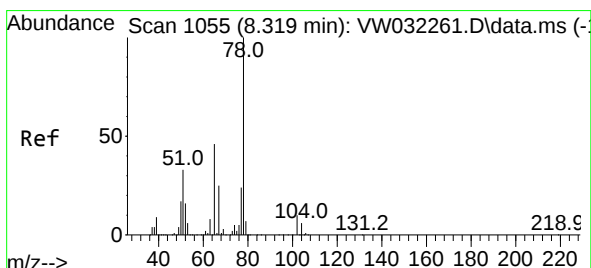
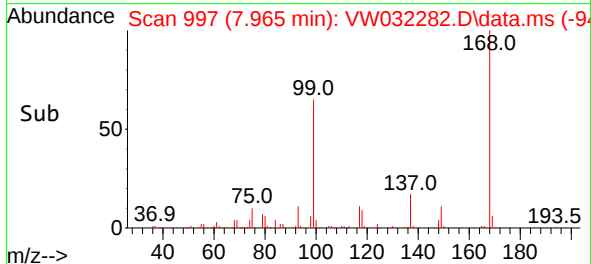
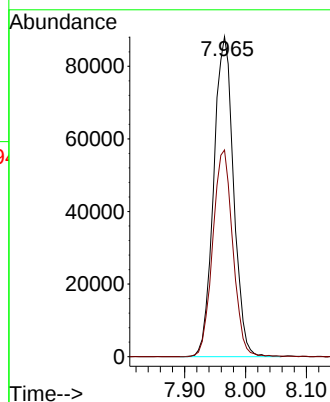
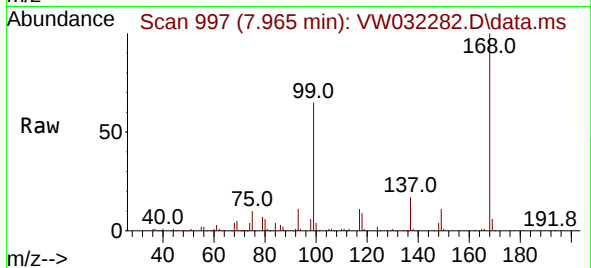




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

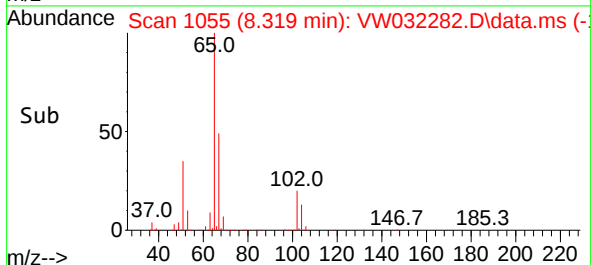
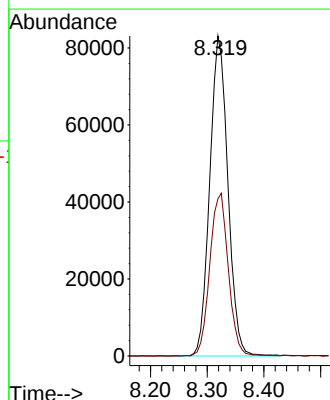
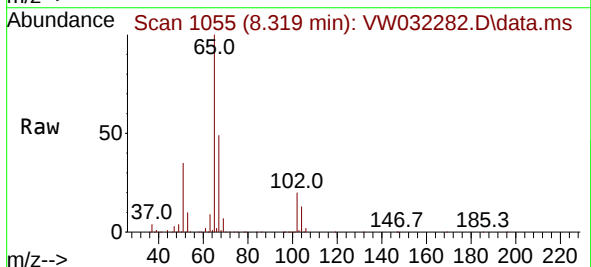
Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

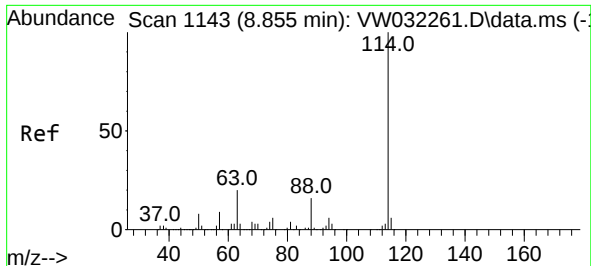
Tgt Ion:168 Resp: 199755
Ion Ratio Lower Upper
168 100
99 64.6 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 58.441 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

Tgt Ion: 65 Resp: 184327
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8

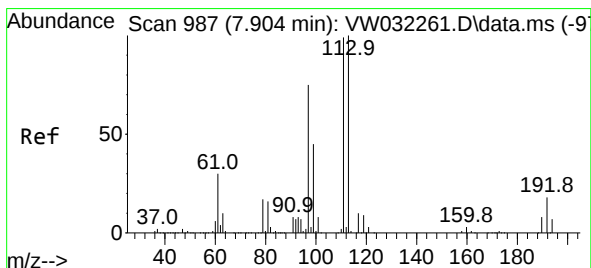
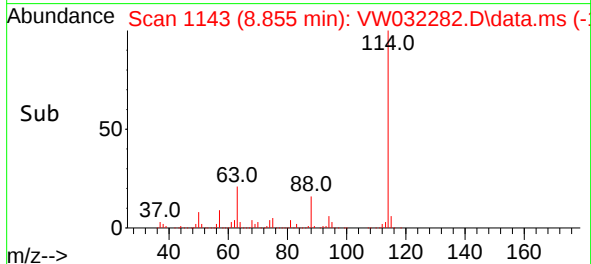
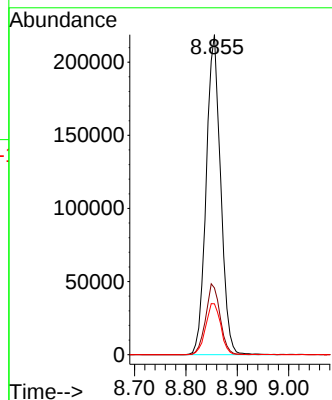
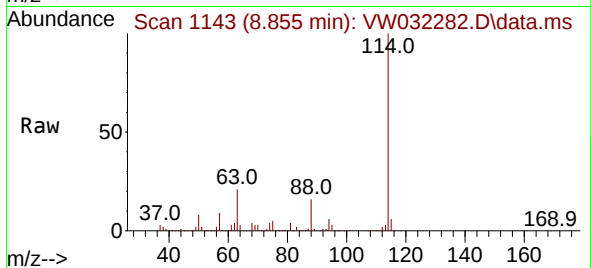




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

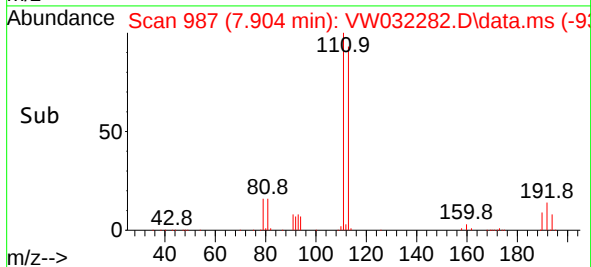
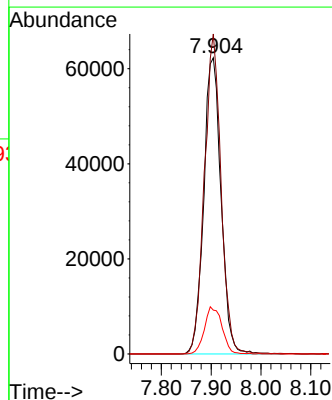
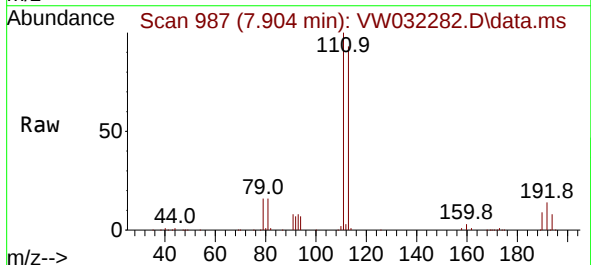
Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

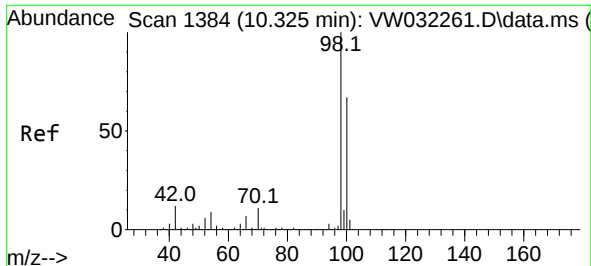
Tgt Ion:114 Resp: 425160
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.140 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

Tgt Ion:113 Resp: 150251
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 16.1 13.0 19.4

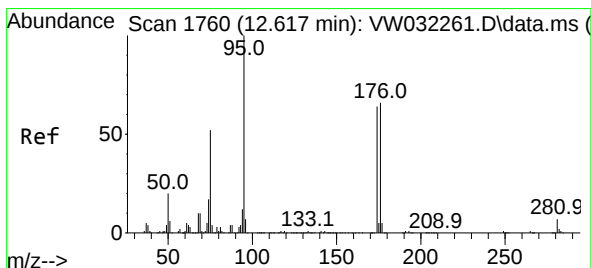
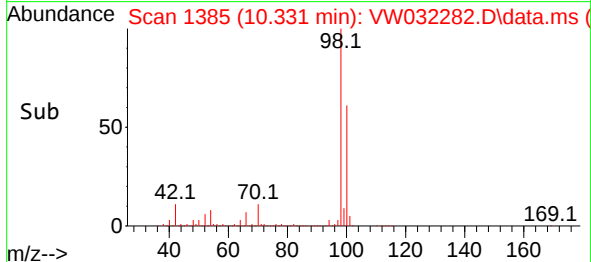
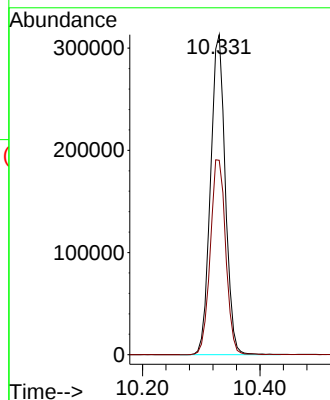
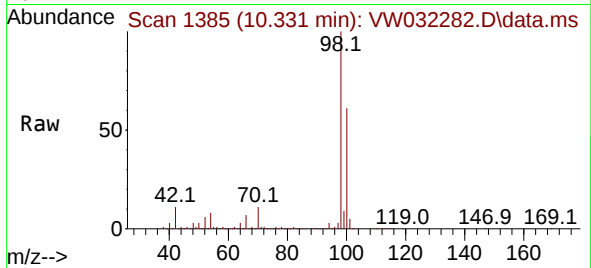




#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

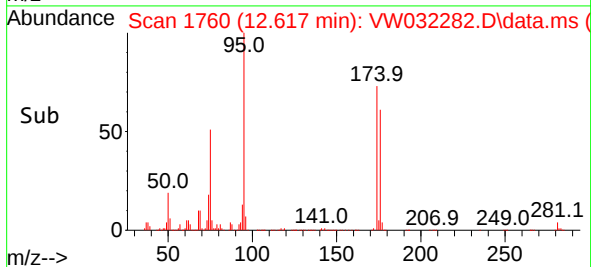
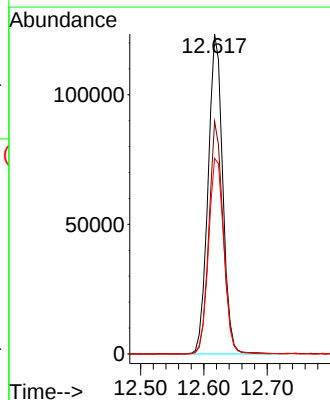
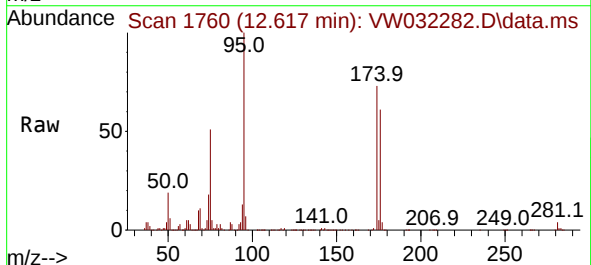
Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

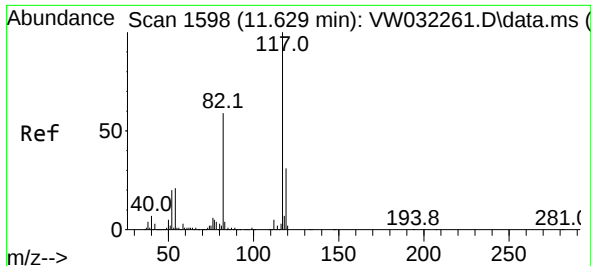
Tgt Ion: 98 Resp: 546242
Ion Ratio Lower Upper
98 100
100 63.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.846 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

Tgt Ion: 95 Resp: 198880
Ion Ratio Lower Upper
95 100
174 70.3 0.0 130.6
176 64.5 0.0 127.0

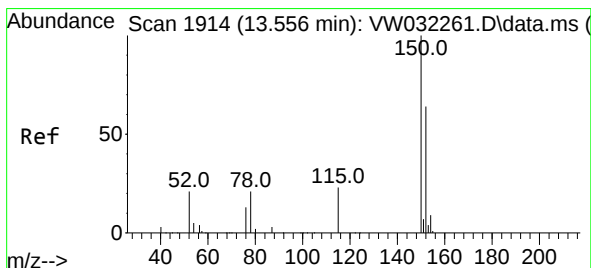
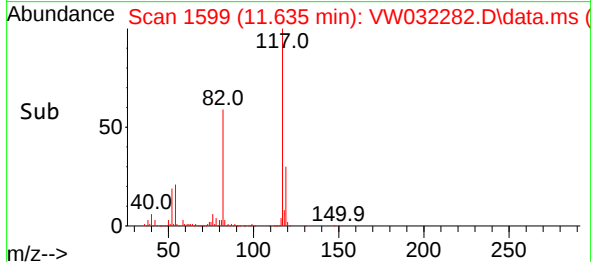
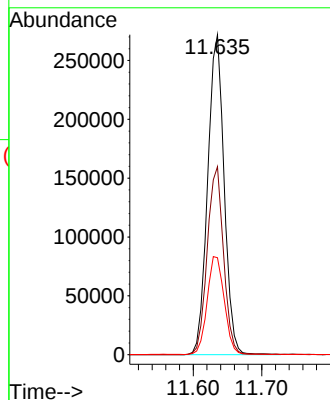
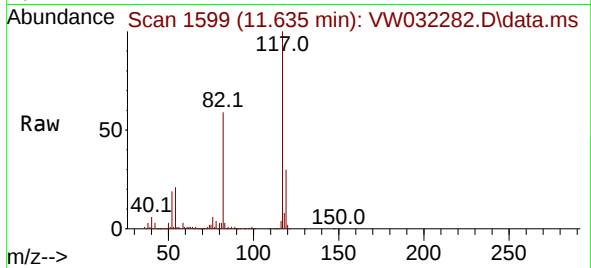




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032282.D
Acq: 26 Sep 2025 15:53

Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

Tgt Ion:117 Resp: 454251
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 30.2 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: VW032282.D
Acq: 26 Sep 2025 15:53

Tgt Ion:152 Resp: 226015
Ion Ratio Lower Upper
152 100
115 64.1 32.5 97.5
150 156.4 0.0 370.2

