

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032253.D
 Acq On : 24 Sep 2025 18:41
 Operator : SY/MD
 Sample : Q3183-09
 Misc : 3.82g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Quant Time: Sep 25 08:17:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	148144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	302431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	303302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158964	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138551	65.396	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.800%
35) Dibromofluoromethane	7.904	113	112473	53.007	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.020%
50) Toluene-d8	10.331	98	382494	51.351	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.617	95	132962	48.273	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.540%

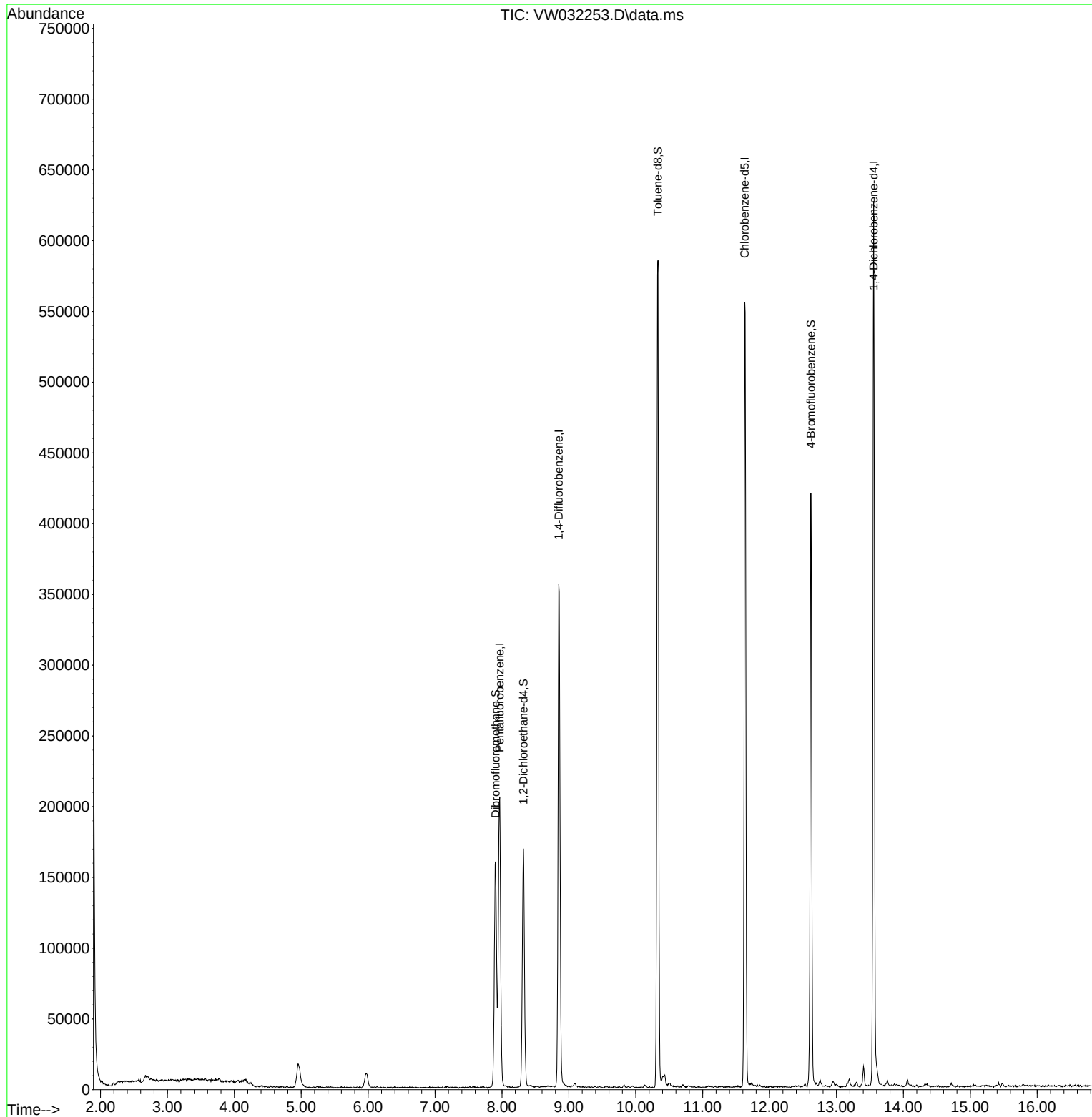
Target Compounds	Qvalue

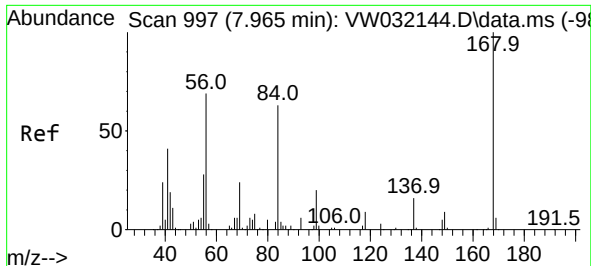
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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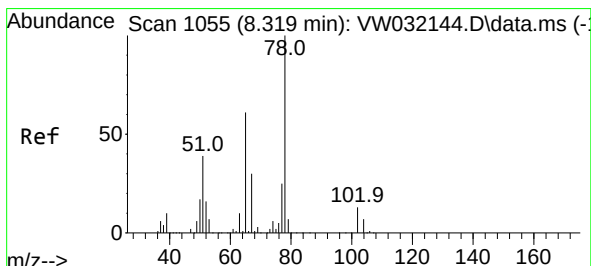
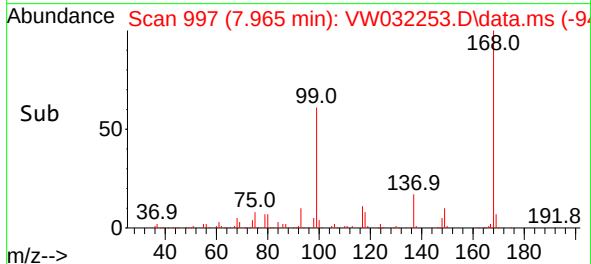
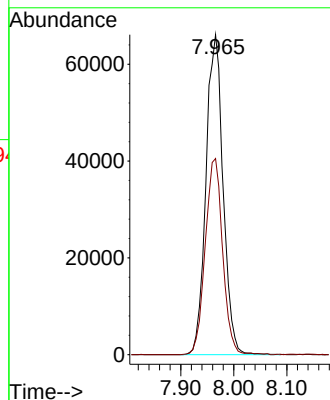
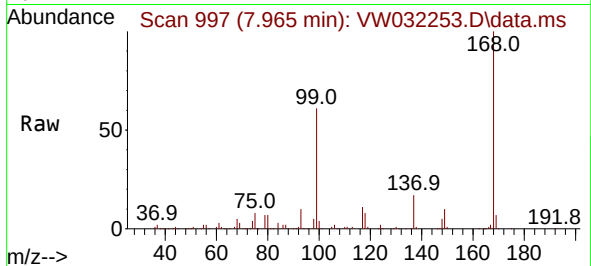




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

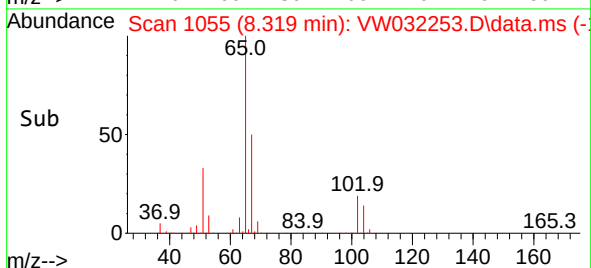
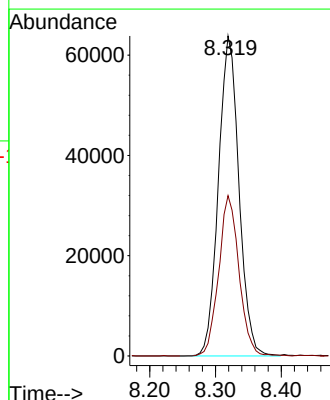
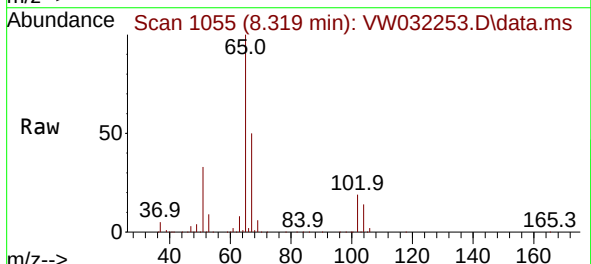
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

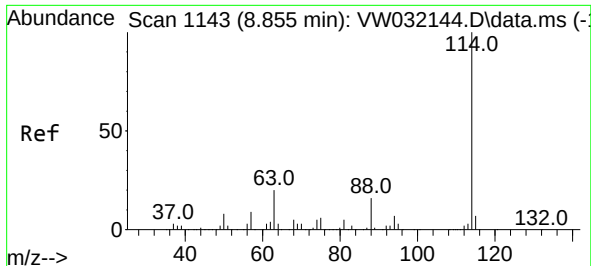
Tgt Ion:168 Resp: 148144
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.396 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 65 Resp: 138551
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.6

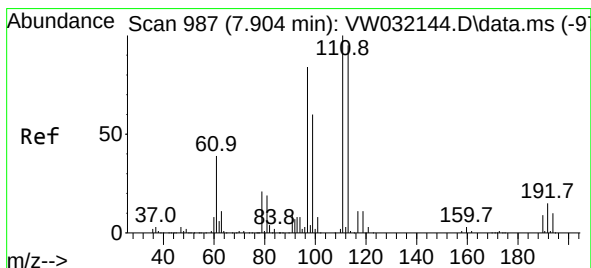
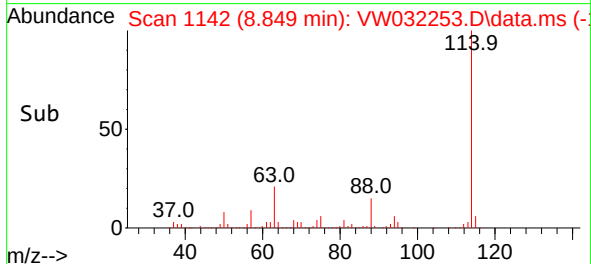
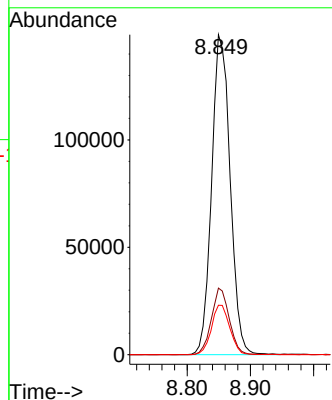
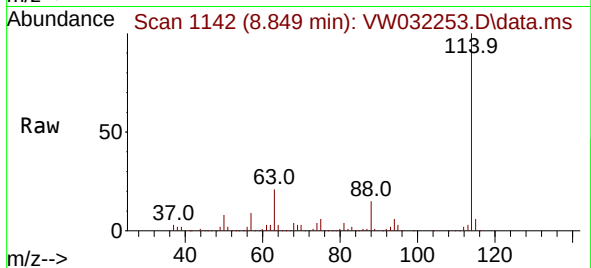




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

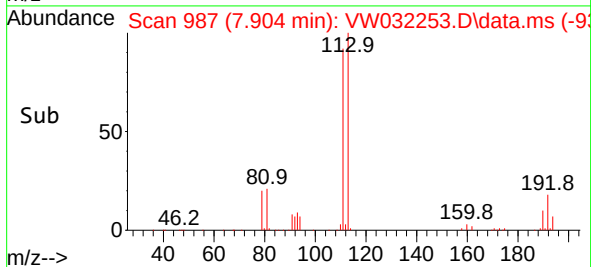
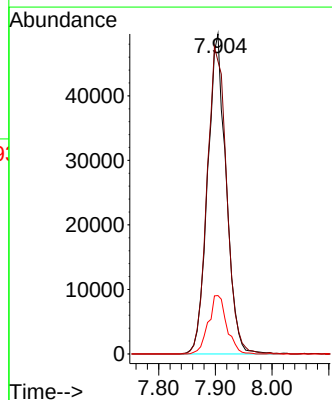
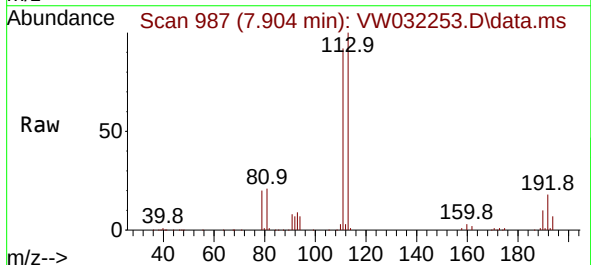
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

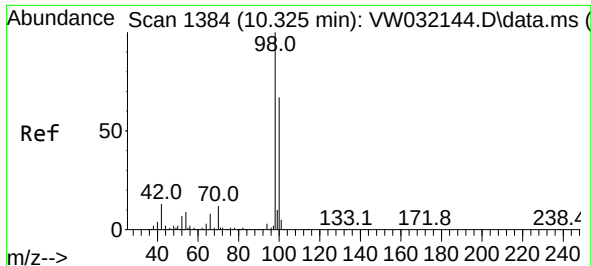
Tgt Ion:114 Resp: 302431
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.007 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion:113 Resp: 112473
Ion Ratio Lower Upper
113 100
111 101.7 83.9 125.9
192 18.1 14.6 21.8

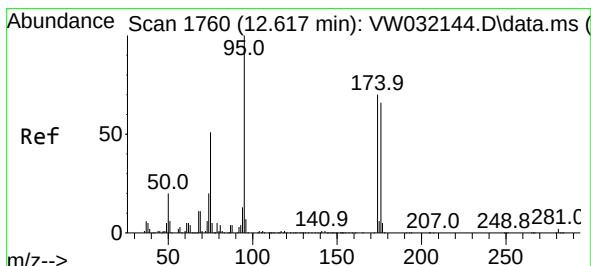
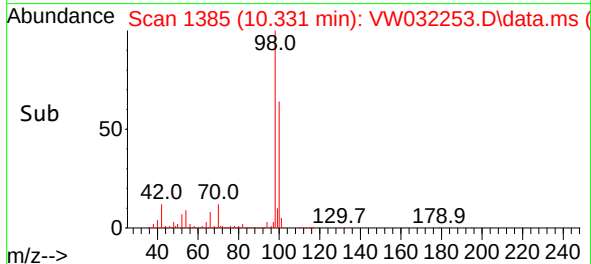
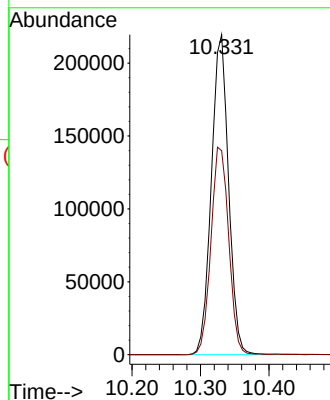
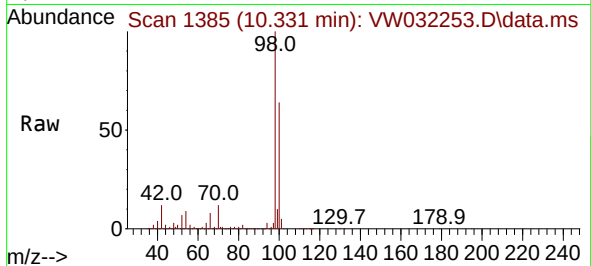




#50
Toluene-d8
Concen: 51.351 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

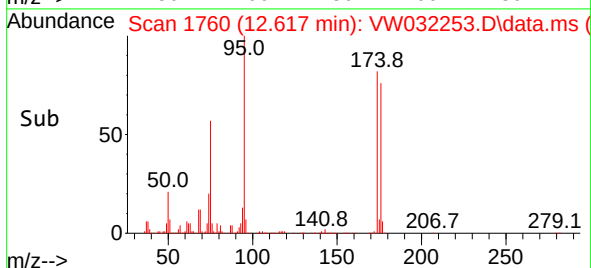
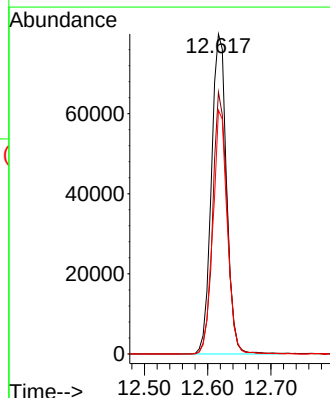
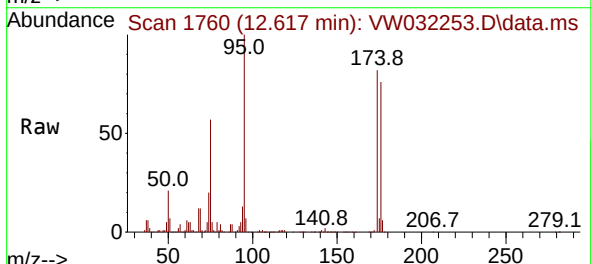
Instrument :
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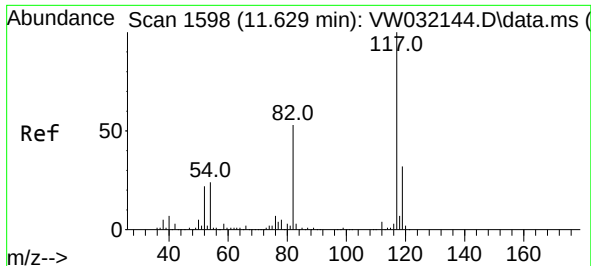
Tgt Ion: 98 Resp: 382494
Ion Ratio Lower Upper
98 100
100 66.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.273 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 95 Resp: 132962
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.6
176 72.7 0.0 140.8

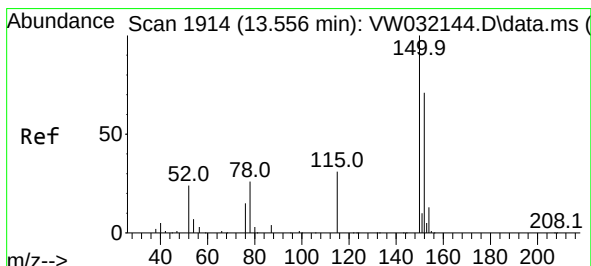
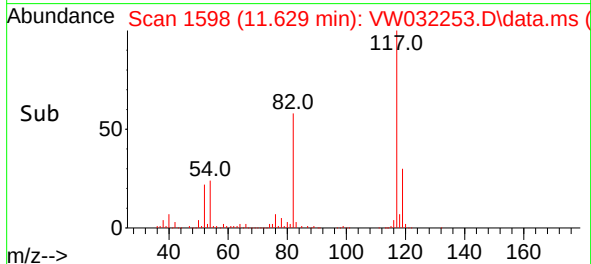
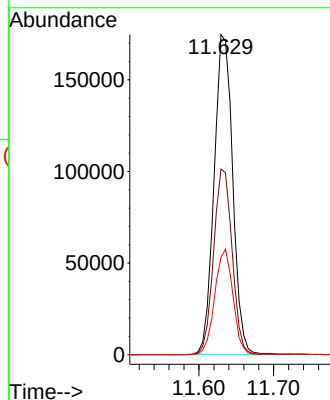
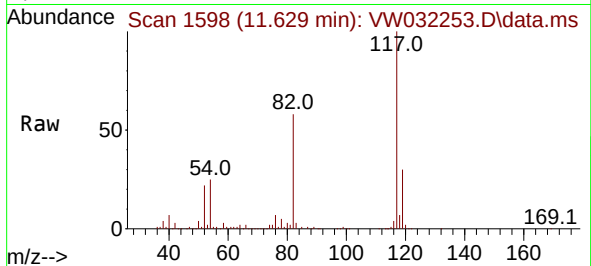




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

Tgt Ion:117 Resp: 303302
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 30.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion:152 Resp: 158964
Ion Ratio Lower Upper
152 100
115 57.6 31.8 95.4
150 153.9 0.0 343.0

