

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032580.D
 Acq On : 05 Dec 2025 15:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 05 23:02:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	291561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	577440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	518204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	215398	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	242806	55.959	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	111.920%
35) Dibromofluoromethane	7.898	113	195158	51.358	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.720%
50) Toluene-d8	10.325	98	715627	50.048	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.617	95	240797	45.581	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.160%

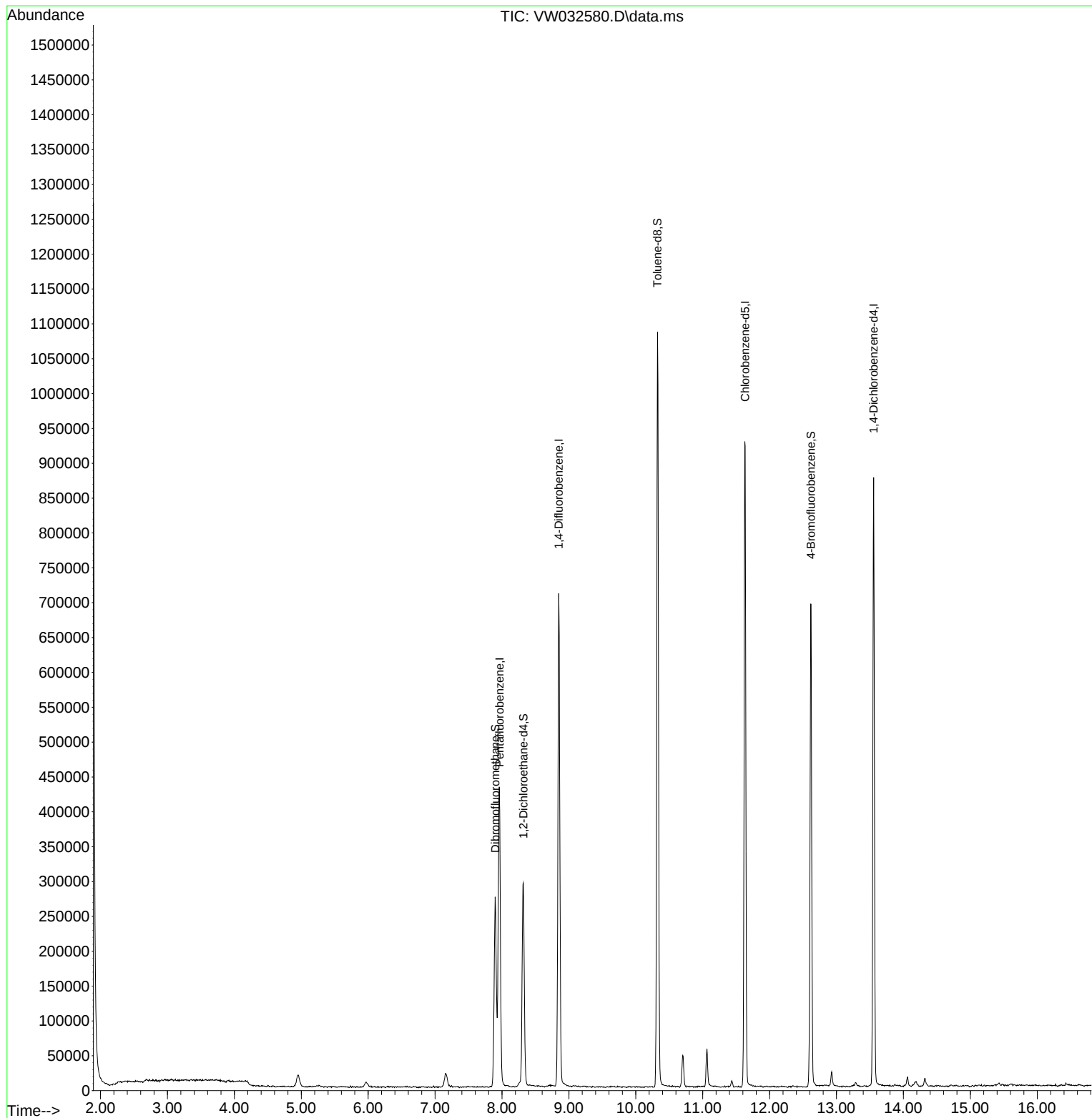
Target Compounds	Qvalue

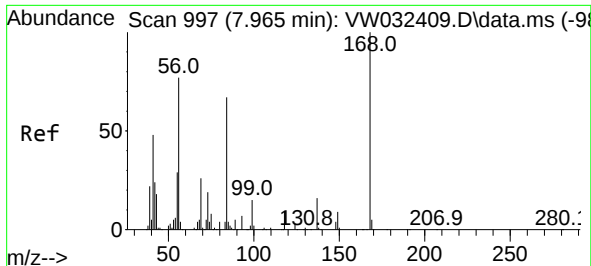
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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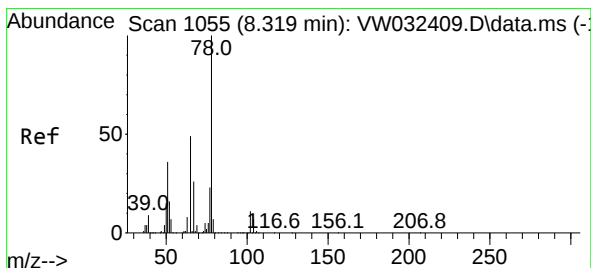
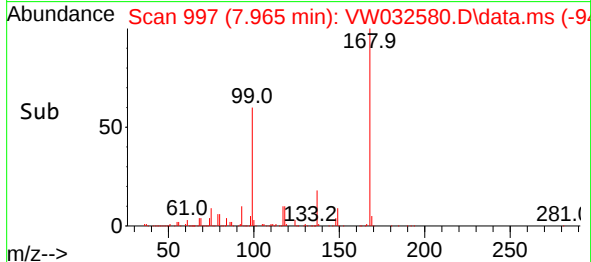
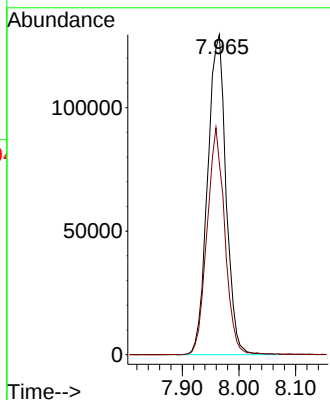
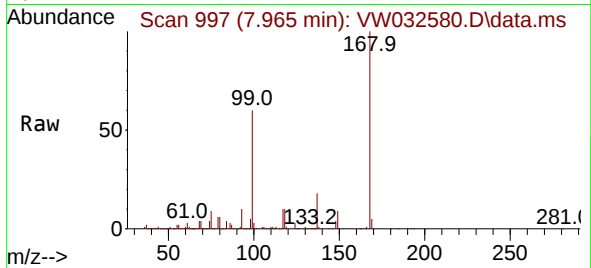




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

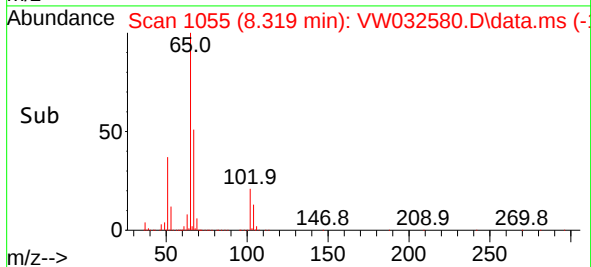
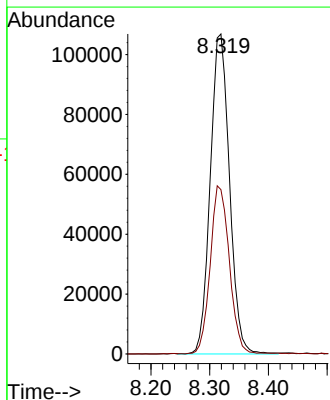
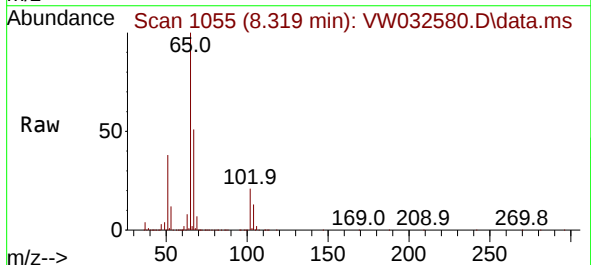
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

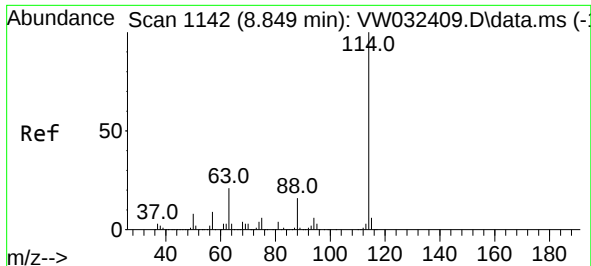
Tgt Ion:168 Resp: 291561
Ion Ratio Lower Upper
168 100
99 59.9 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 55.959 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 65 Resp: 242806
Ion Ratio Lower Upper
65 100
67 52.1 0.0 108.0

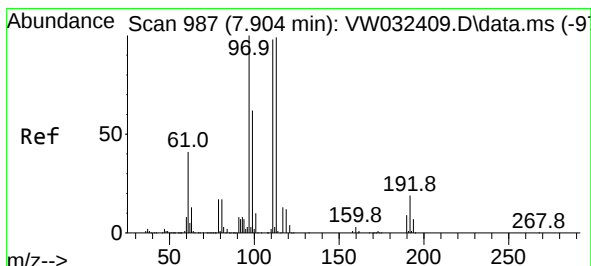
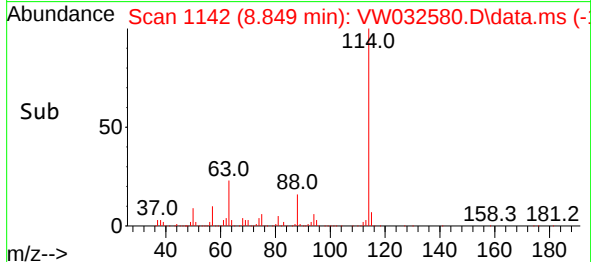
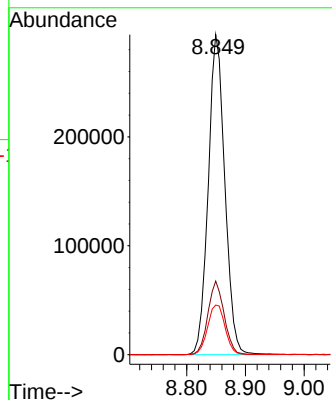
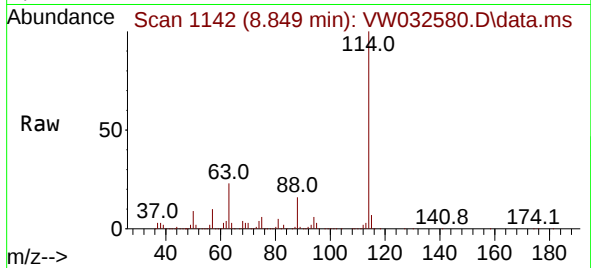




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

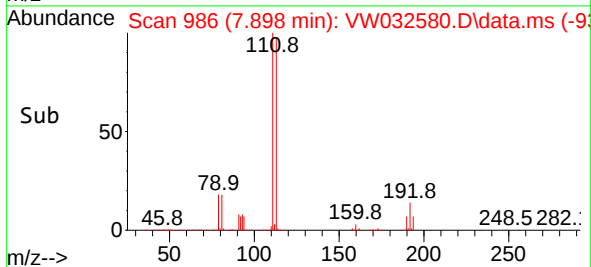
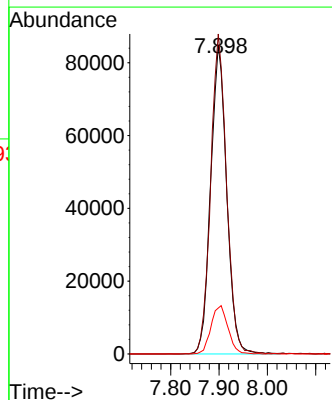
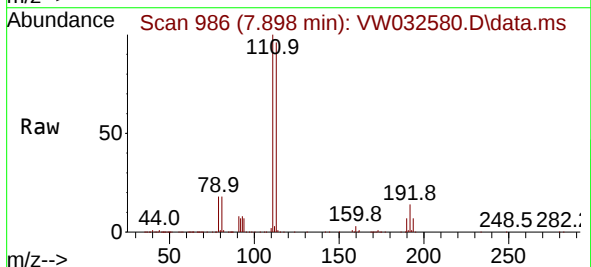
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

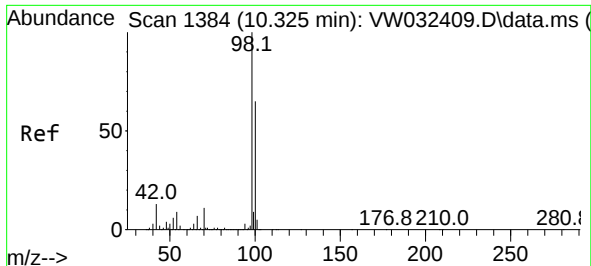
Tgt Ion:114 Resp: 577440
Ion Ratio Lower Upper
114 100
63 22.9 0.0 40.6
88 15.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.358 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion:113 Resp: 195158
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 16.6 13.4 20.2

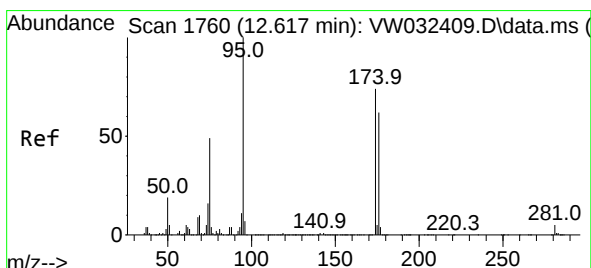
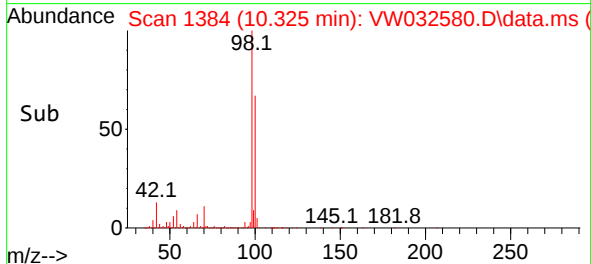
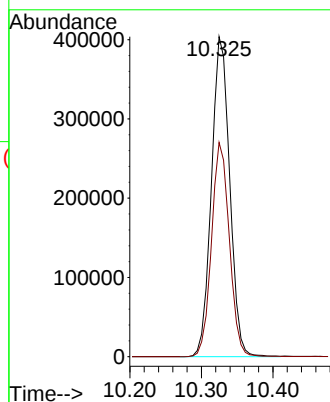
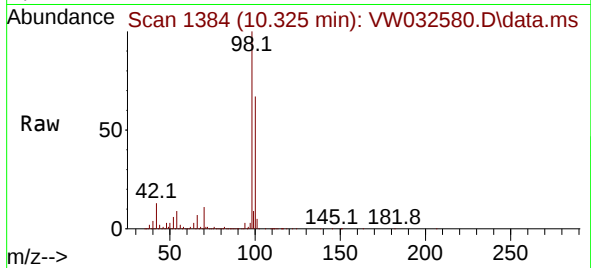




#50
Toluene-d8
Concen: 50.048 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

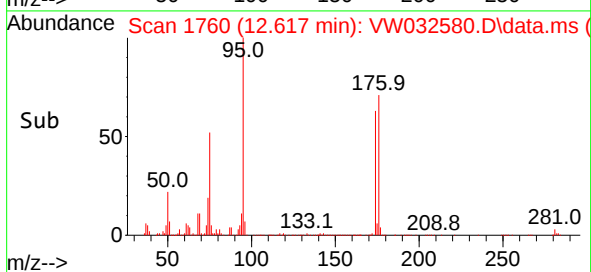
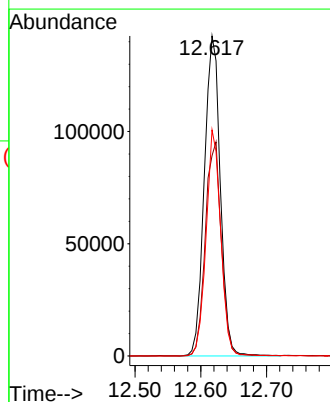
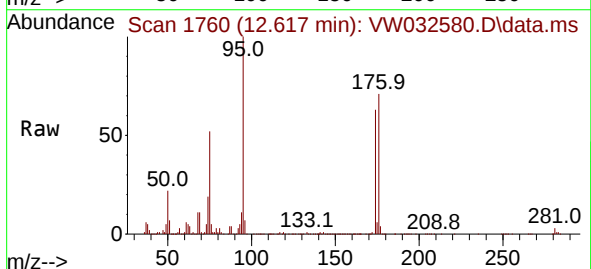
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

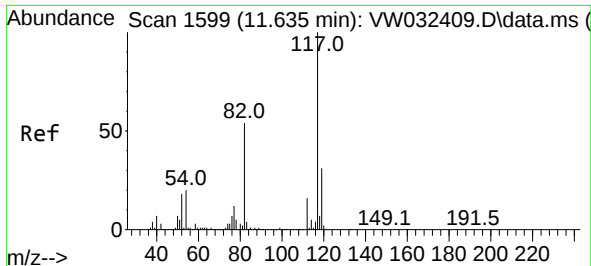
Tgt Ion: 98 Resp: 715627
Ion Ratio Lower Upper
98 100
100 65.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 45.581 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 95 Resp: 240797
Ion Ratio Lower Upper
95 100
174 67.1 0.0 141.2
176 65.1 0.0 130.8

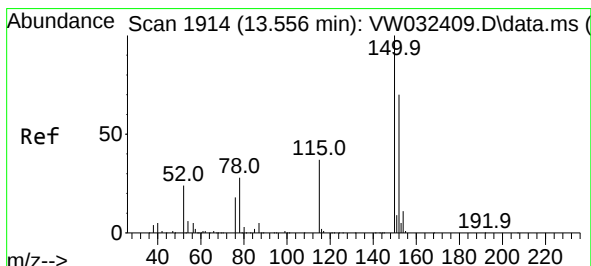
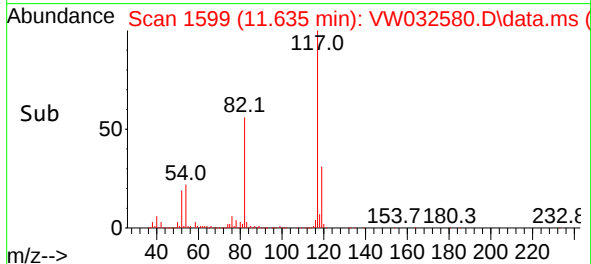
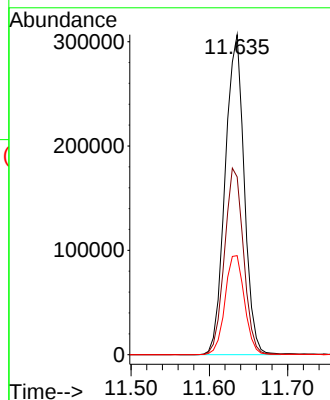
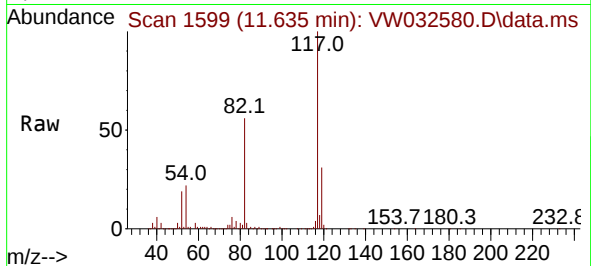




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 518204
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion:152 Resp: 215398
Ion Ratio Lower Upper
152 100
115 63.0 31.1 93.3
150 158.3 0.0 351.2

