

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
 Data File : VW032642.D
 Acq On : 12 Dec 2025 09:32
 Operator : SY/MD
 Sample : VW1212SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1212SBL01

Quant Time: Dec 13 00:05:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	316162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	611408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	546162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	241709	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	234574	47.380	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.760%
35) Dibromofluoromethane	7.898	113	191537	44.353	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.700%
50) Toluene-d8	10.325	98	680049	43.340	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.680%
62) 4-Bromofluorobenzene	12.617	95	232473	40.354	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.700%

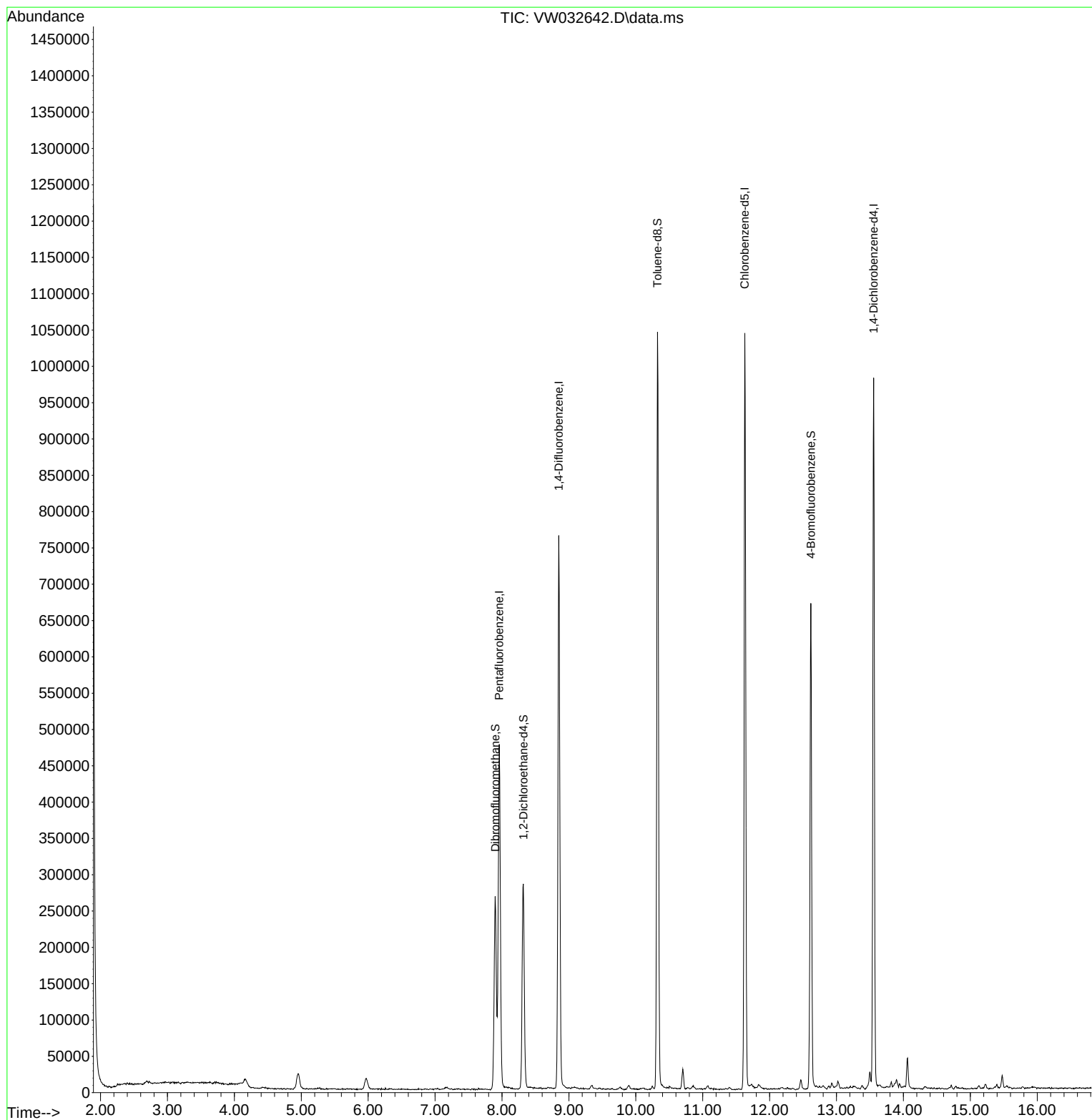
Target Compounds	Qvalue

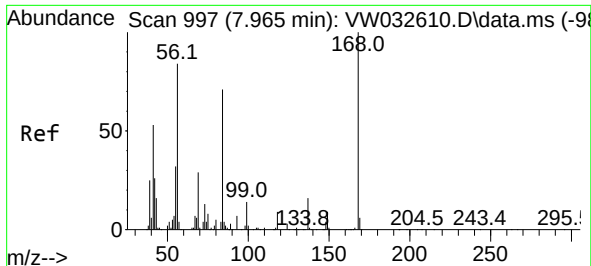
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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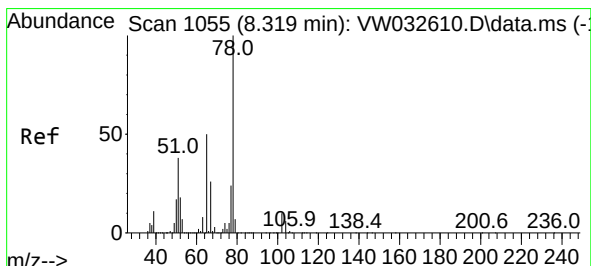
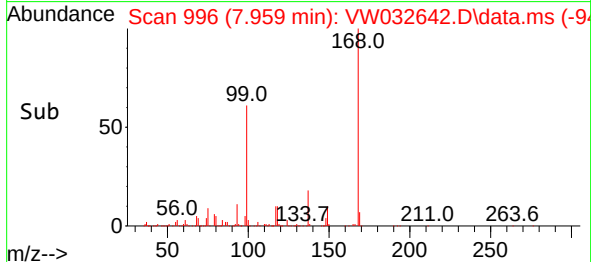
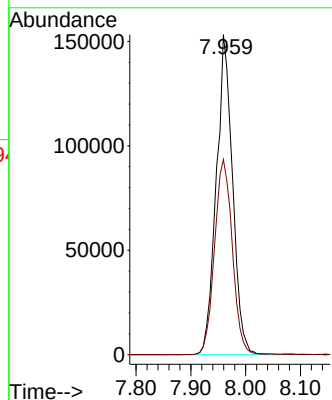
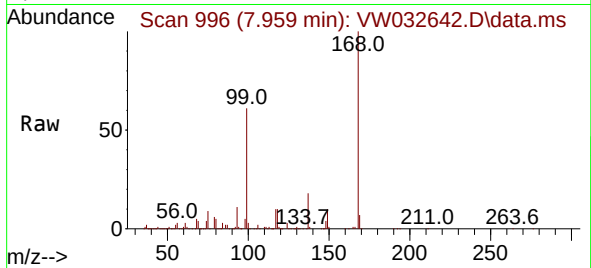




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

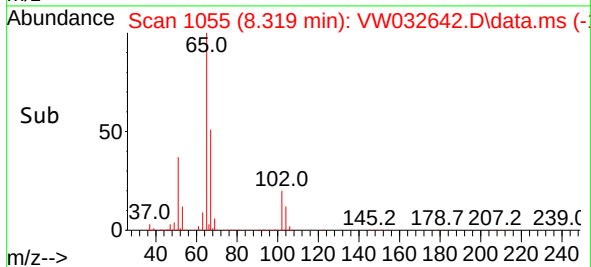
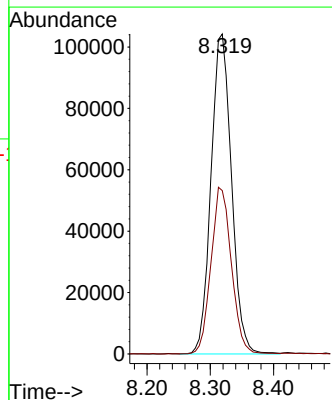
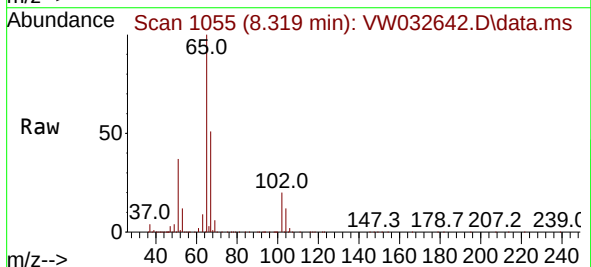
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

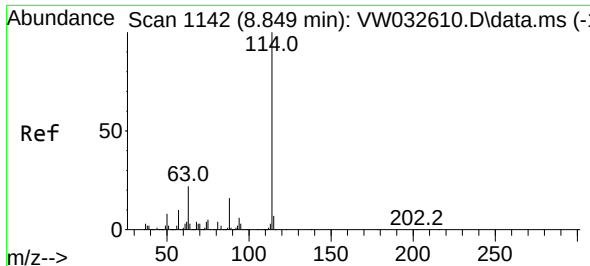
Tgt Ion:168 Resp: 316162
Ion Ratio Lower Upper
168 100
99 61.0 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 47.380 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion: 65 Resp: 234574
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6

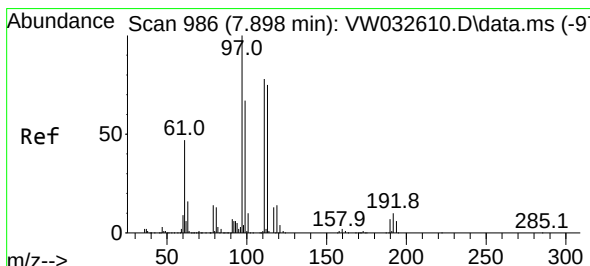
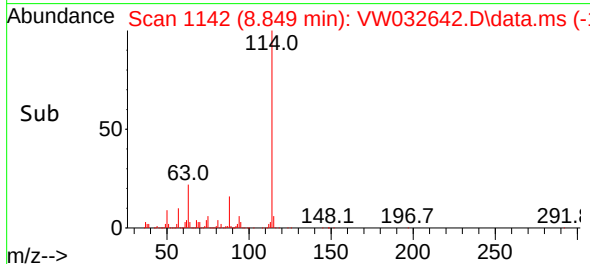
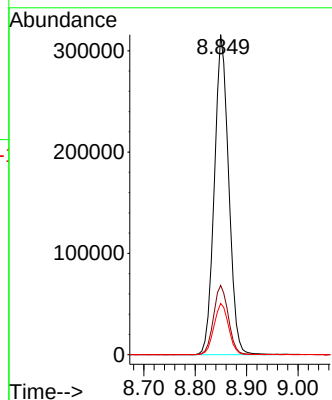
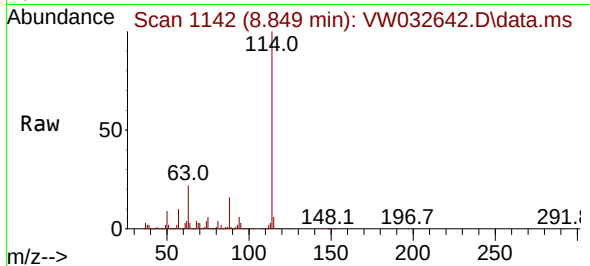




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

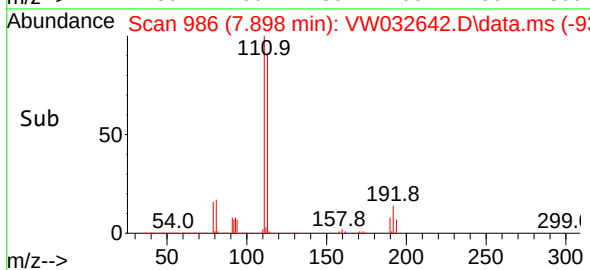
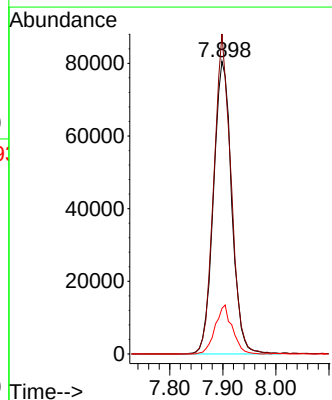
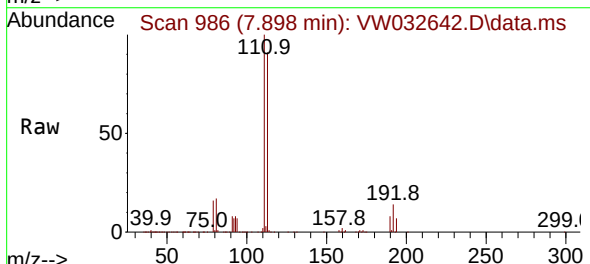
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

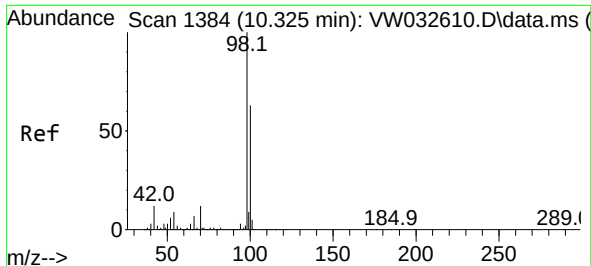
Tgt Ion:114 Resp: 611408
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.6
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.353 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion:113 Resp: 191537
Ion Ratio Lower Upper
113 100
111 103.7 85.2 127.8
192 15.8 13.3 19.9

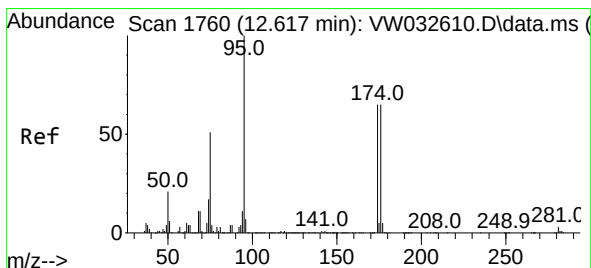
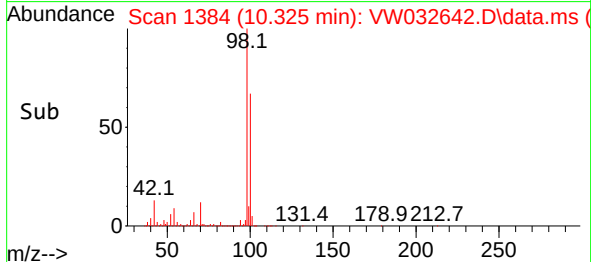
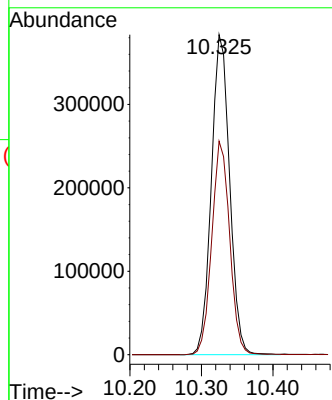
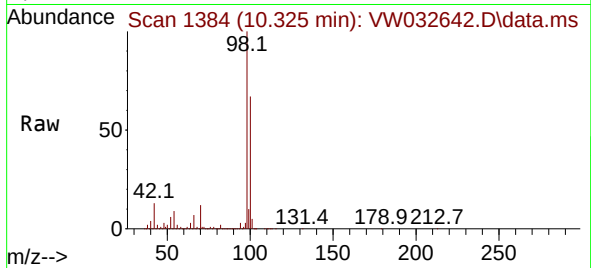




#50
Toluene-d8
Concen: 43.340 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

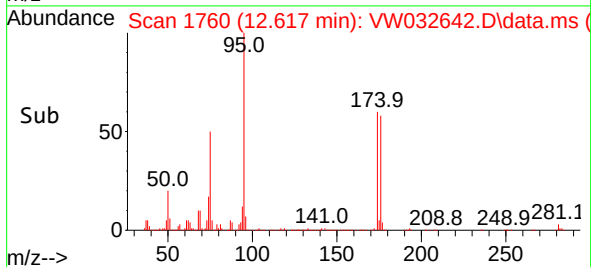
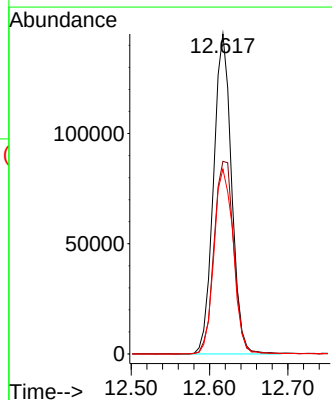
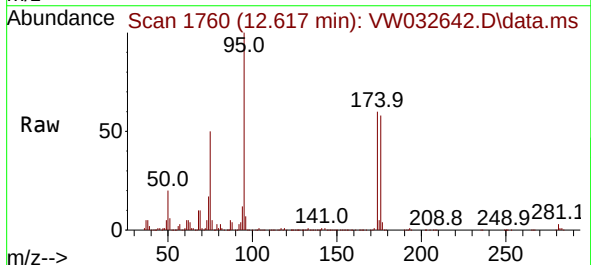
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

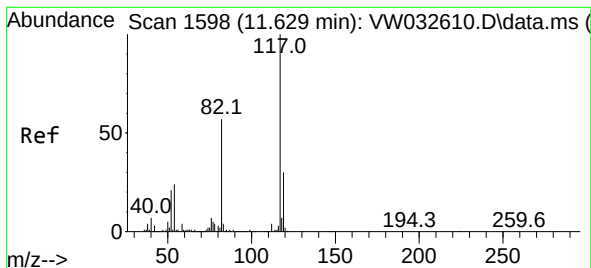
Tgt Ion: 98 Resp: 680049
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.354 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion: 95 Resp: 232473
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.0
176 61.9 0.0 123.4

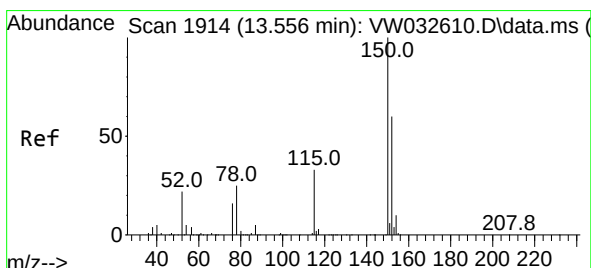
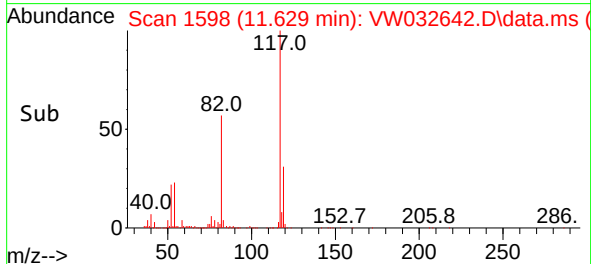
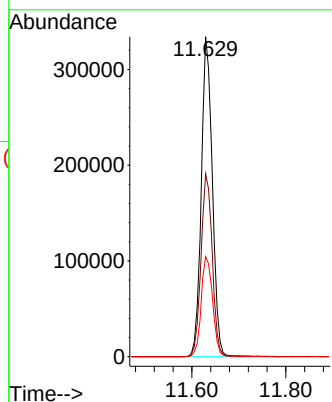
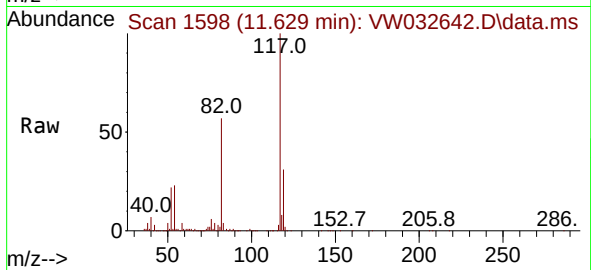




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

Tgt Ion:117 Resp: 546162
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 31.2 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion:152 Resp: 241709
Ion Ratio Lower Upper
152 100
115 65.4 33.8 101.3
150 156.3 0.0 369.4

