

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032154.D
 Acq On : 28 Aug 2025 12:58
 Operator : SY/MD
 Sample : Q2971-01
 Misc : 5.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP2

Quant Time: Aug 29 01:18:00 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	7.959	168	155586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	306974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	307697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160874	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122798	55.188	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.380%
35) Dibromofluoromethane	7.898	113	107639	49.978	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.960%
50) Toluene-d8	10.331	98	354696	46.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.617	95	135832	48.585	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.160%

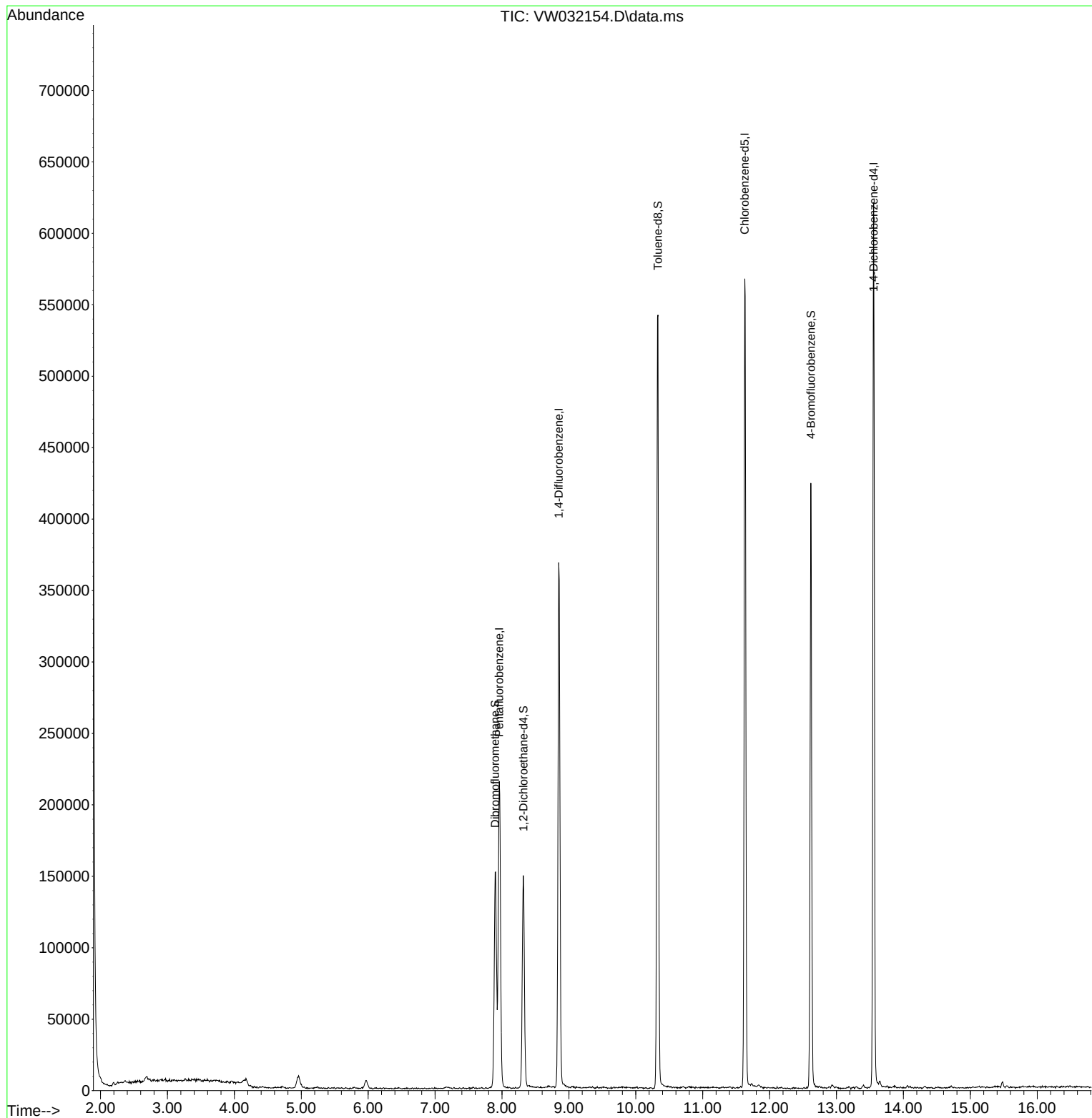
Target Compounds	Qvalue

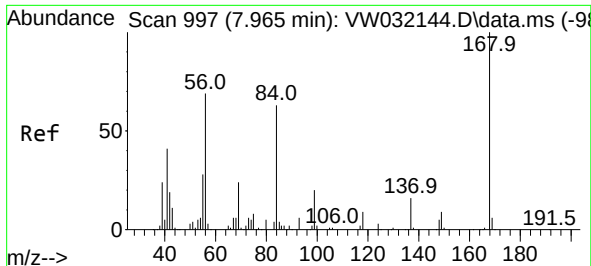
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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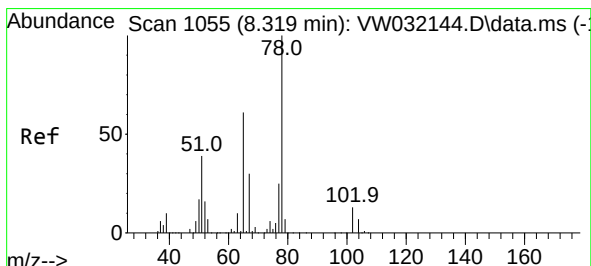
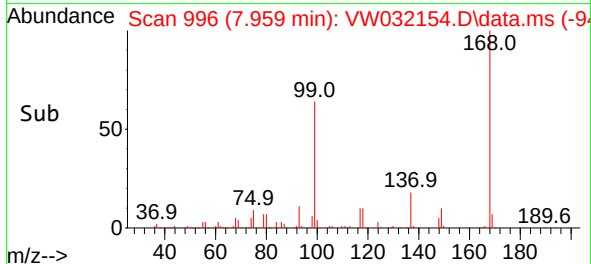
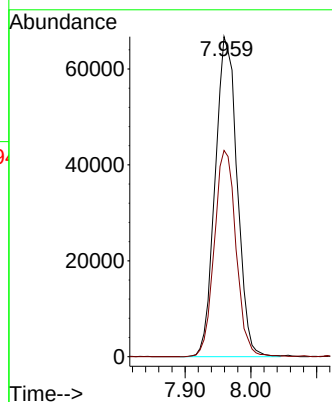
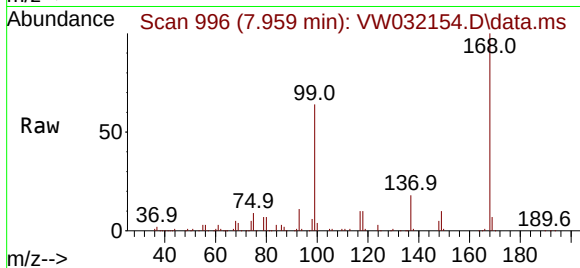




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

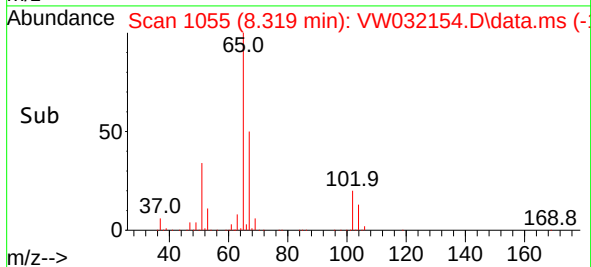
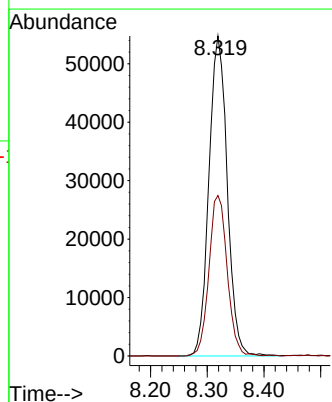
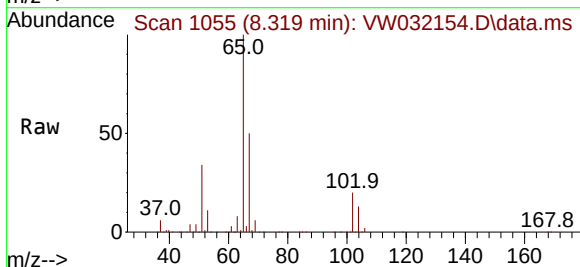
Instrument :
MSVOA_W
ClientSampleId :
TP2

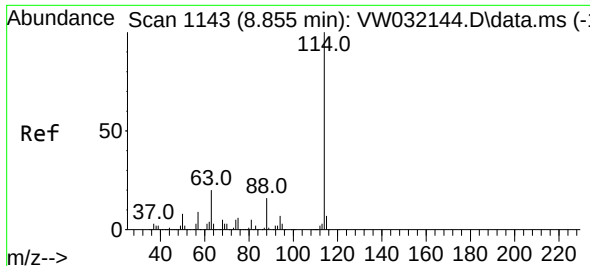
Tgt Ion:168 Resp: 155586
Ion Ratio Lower Upper
168 100
99 64.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 55.188 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

Tgt Ion: 65 Resp: 122798
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.6

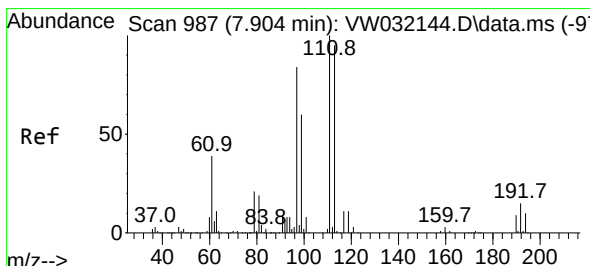
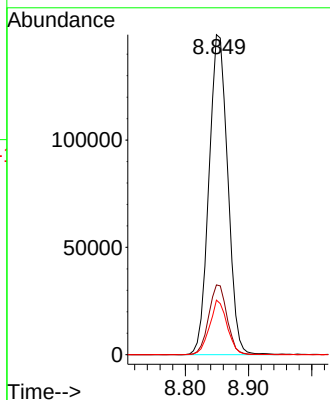
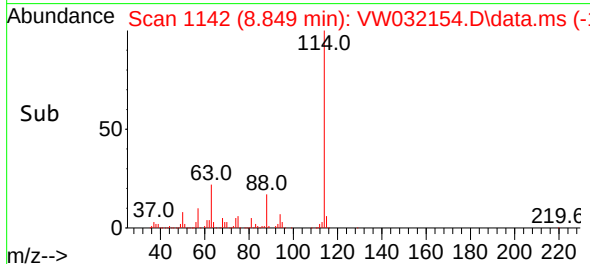
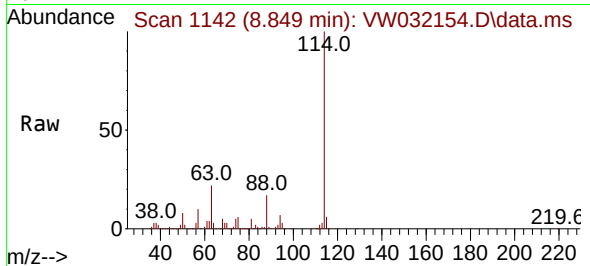




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

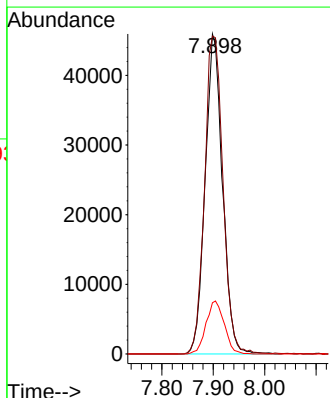
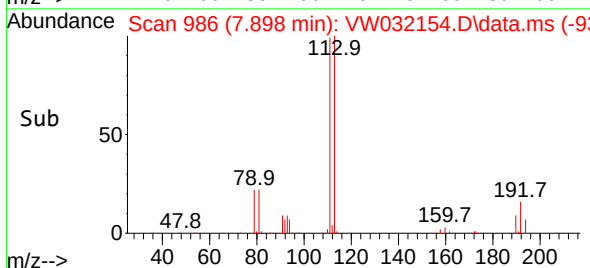
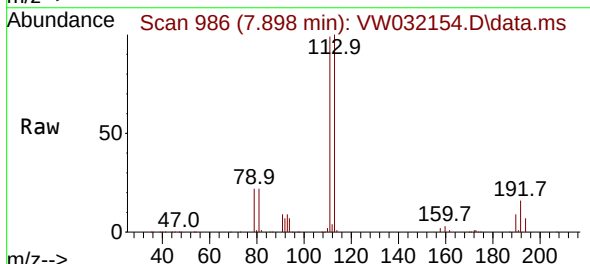
Instrument :
MSVOA_W
ClientSampleId :
TP2

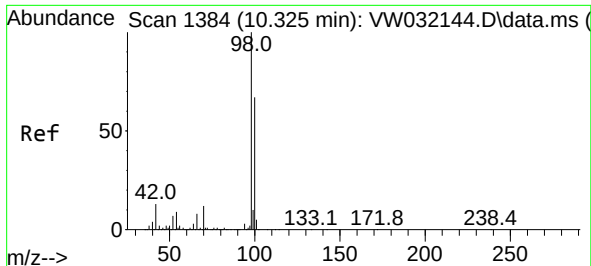
Tgt Ion:114 Resp: 306974
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.978 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

Tgt Ion:113 Resp: 107639
Ion Ratio Lower Upper
113 100
111 105.2 83.9 125.9
192 17.4 14.6 21.8

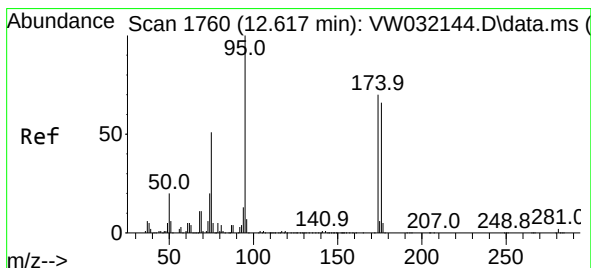
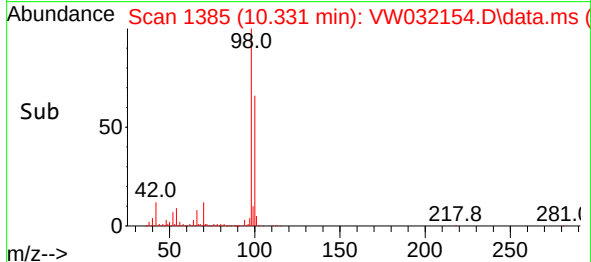
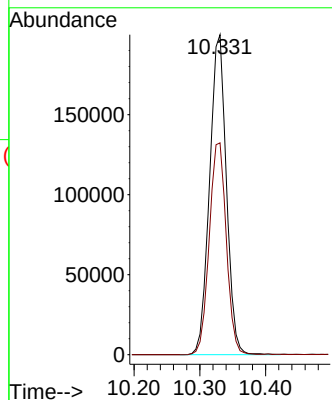
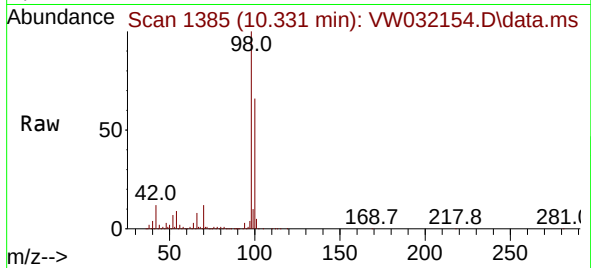




#50
Toluene-d8
Concen: 46.914 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

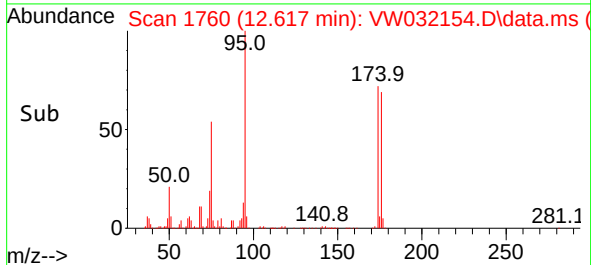
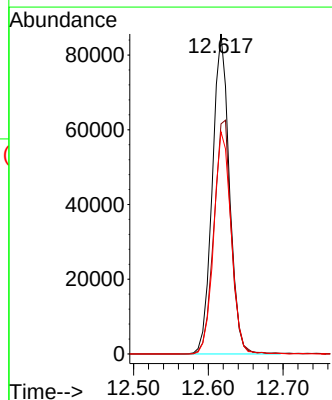
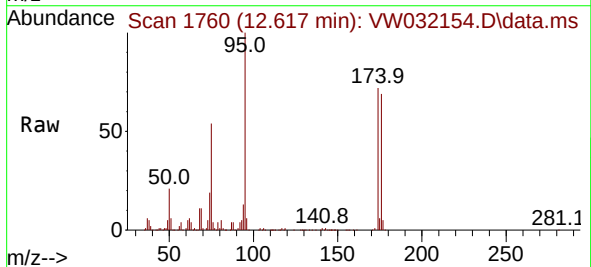
Instrument :
MSVOA_W
ClientSampleId :
TP2

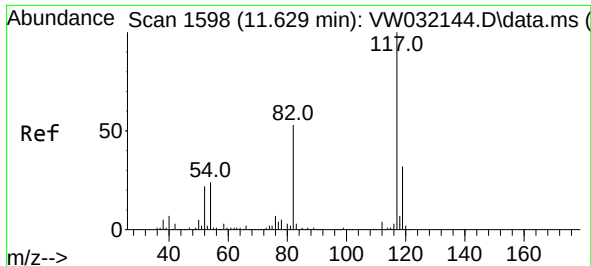
Tgt Ion: 98 Resp: 354696
Ion Ratio Lower Upper
98 100
100 67.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.585 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

Tgt Ion: 95 Resp: 135832
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.6
176 70.9 0.0 140.8

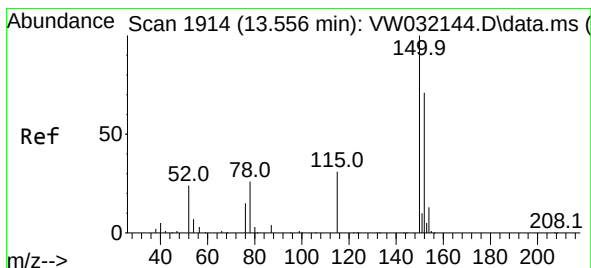
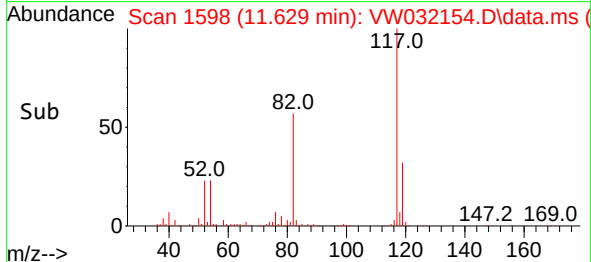
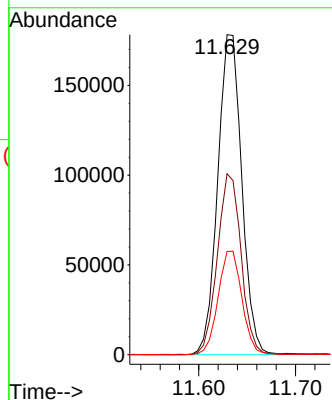
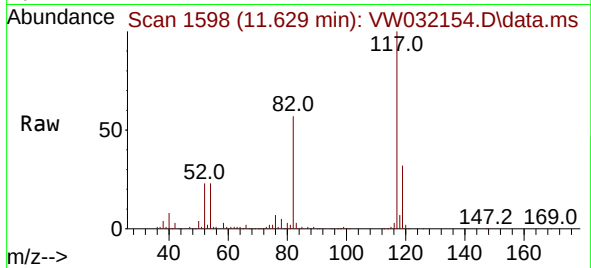




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032154.D
Acq: 28 Aug 2025 12:58

Instrument :
MSVOA_W
ClientSampleId :
TP2

Tgt Ion:117 Resp: 307697
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 32.1 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: VW032154.D
Acq: 28 Aug 2025 12:58

Tgt Ion:152 Resp: 160874
Ion Ratio Lower Upper
152 100
115 60.3 31.8 95.4
150 150.7 0.0 343.0

