

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032213.D
 Acq On : 19 Sep 2025 14:21
 Operator : SY/MD
 Sample : Q3155-01
 Misc : 4.93g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-1

Quant Time: Sep 19 23:10:02 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	176619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	381216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	368580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190890	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133149	52.714	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.420%
35) Dibromofluoromethane	7.904	113	120633	45.103	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.200%
50) Toluene-d8	10.325	98	397560	42.343	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	84.680%
62) 4-Bromofluorobenzene	12.617	95	166508	47.958	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.920%

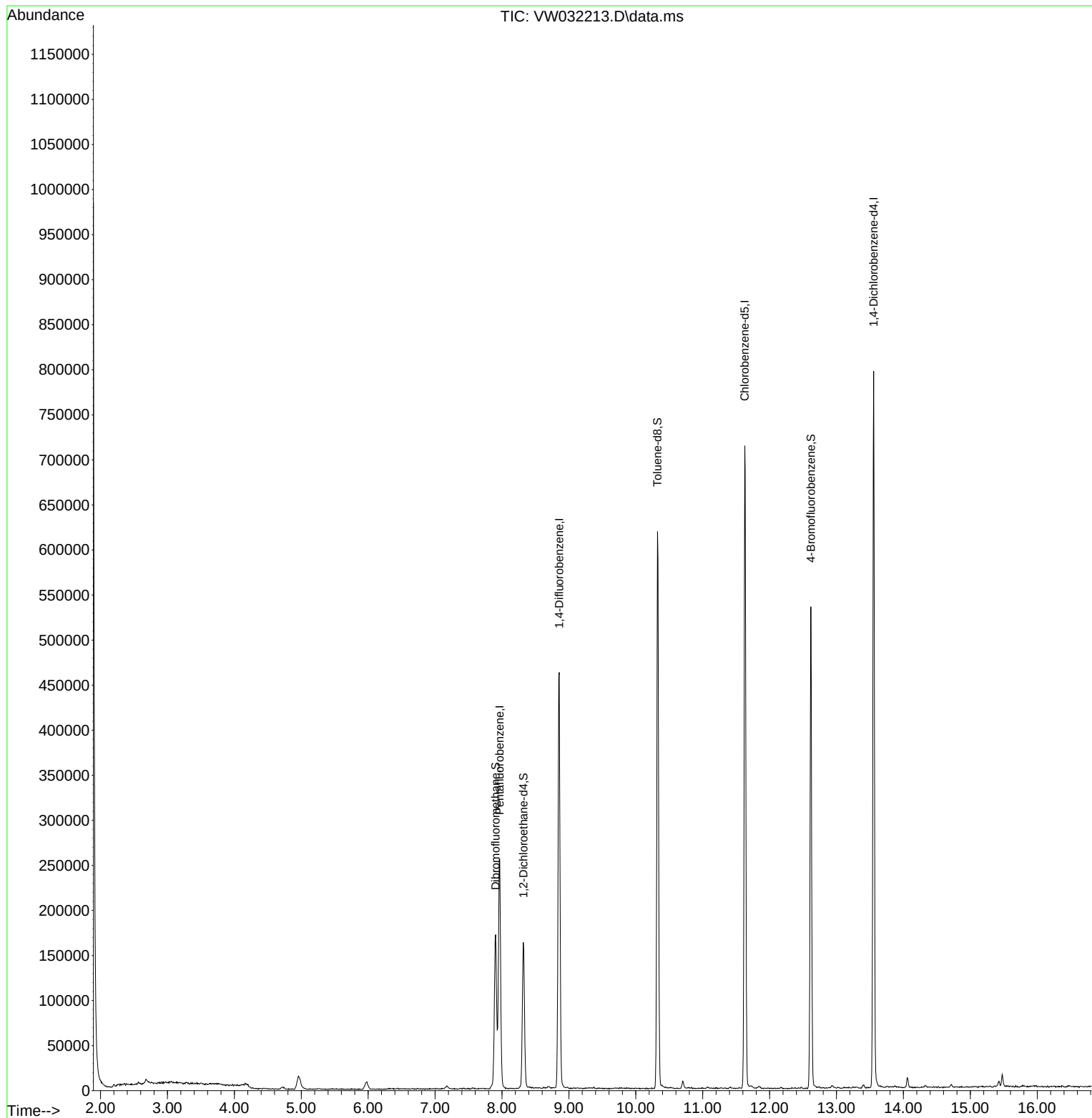
Target Compounds	Qvalue

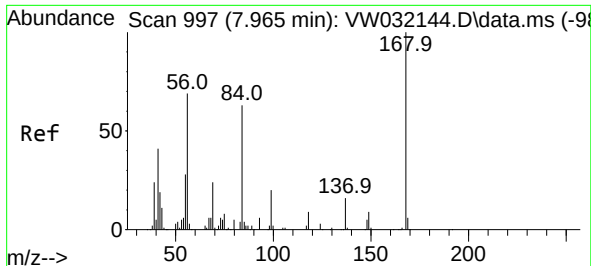
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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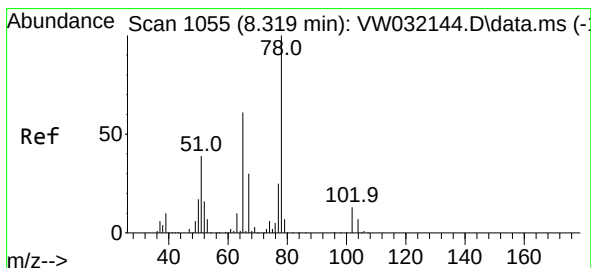
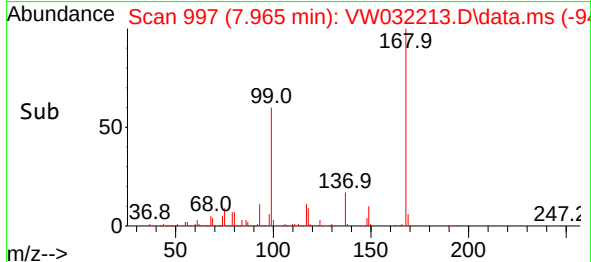
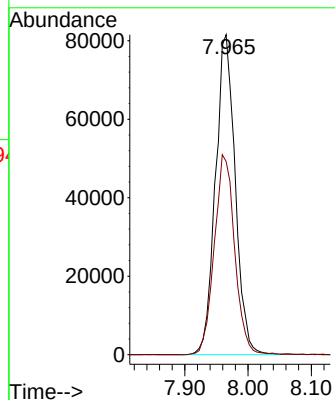
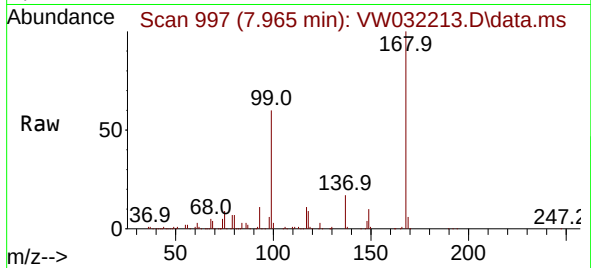




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

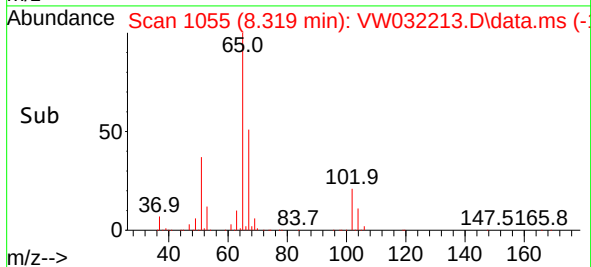
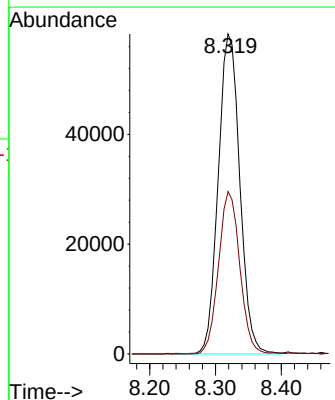
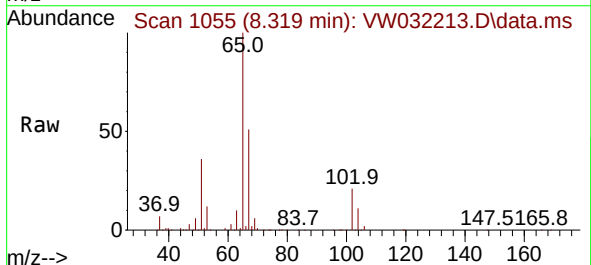
Instrument :
MSVOA_W
ClientSampleId :
COMP-1

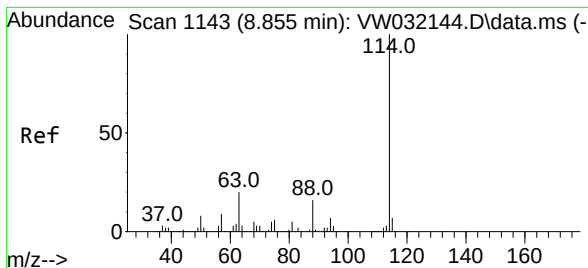
Tgt Ion:168 Resp: 176619
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 52.714 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion: 65 Resp: 133149
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032213.D

Acq: 19 Sep 2025 14:21

Instrument :

MSVOA_W

ClientSampleId :

COMP-1

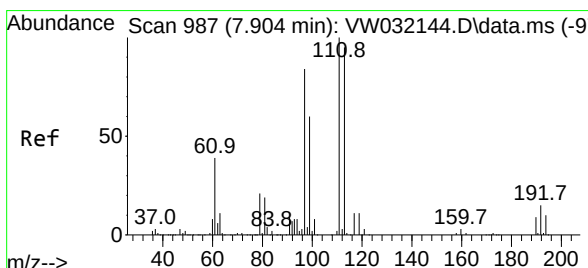
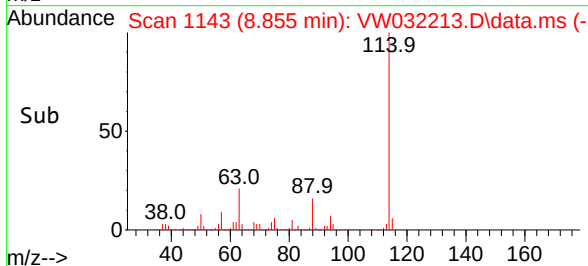
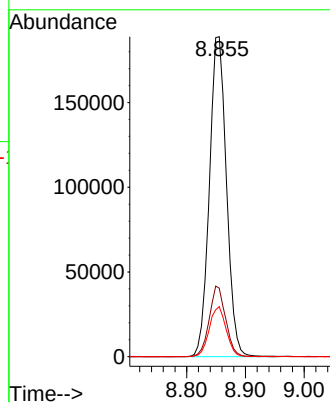
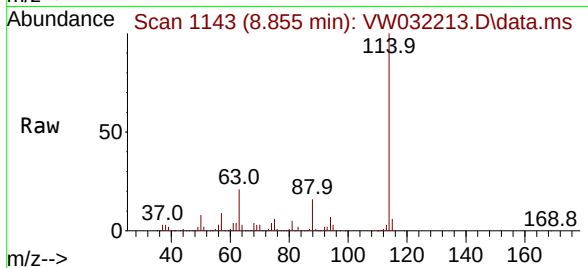
Tgt Ion:114 Resp: 381216

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 45.103 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032213.D

Acq: 19 Sep 2025 14:21

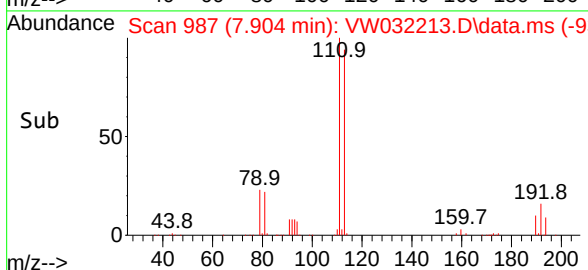
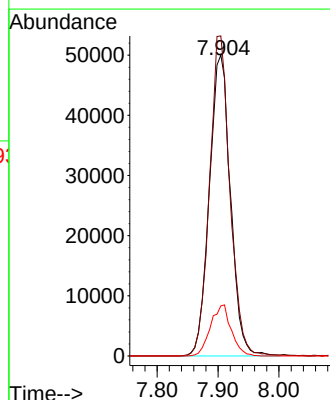
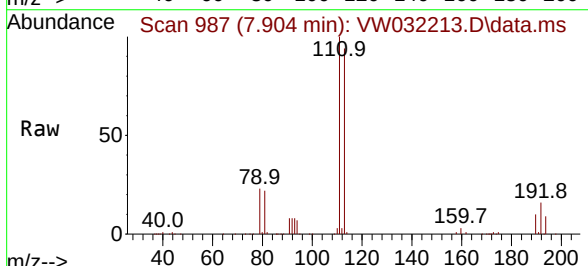
Tgt Ion:113 Resp: 120633

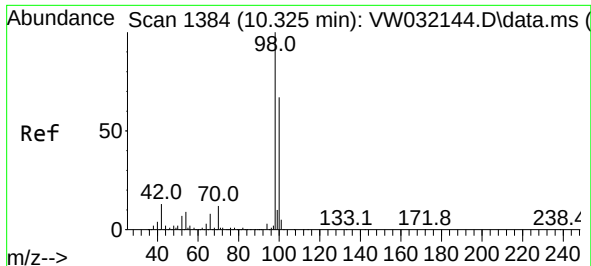
Ion Ratio Lower Upper

113 100

111 103.1 83.9 125.9

192 16.6 14.6 21.8

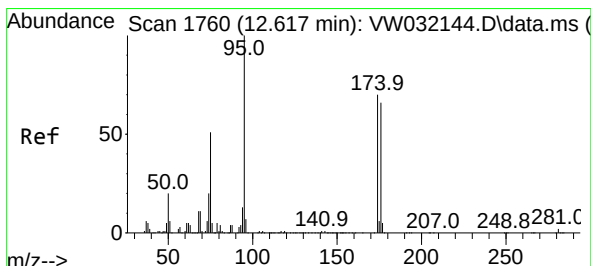
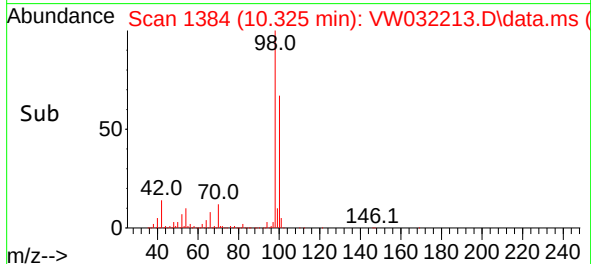
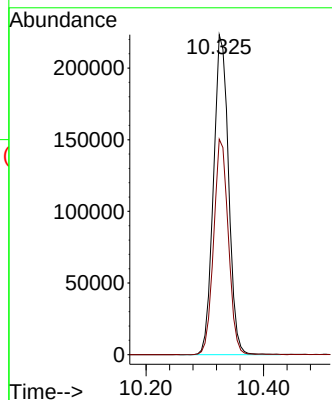
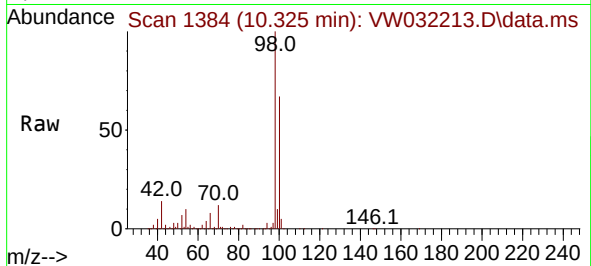




#50
Toluene-d8
Concen: 42.343 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

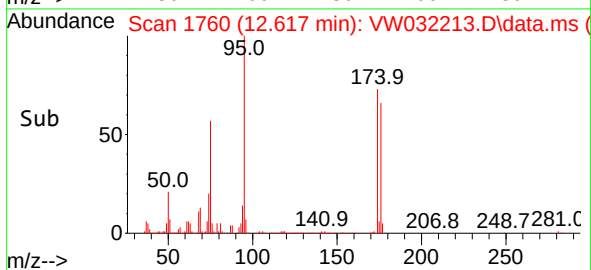
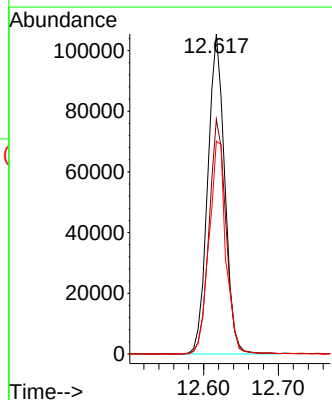
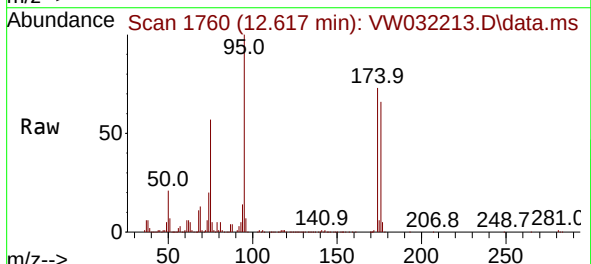
Instrument :
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COMP-1

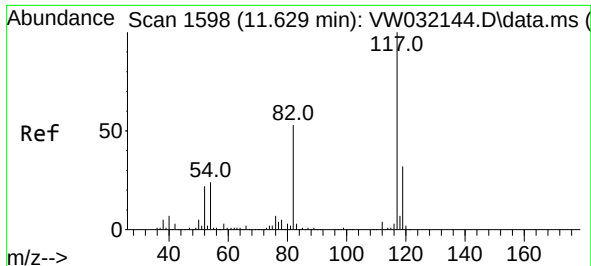
Tgt Ion: 98 Resp: 397560
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.958 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion: 95 Resp: 166508
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.6
176 66.5 0.0 140.8

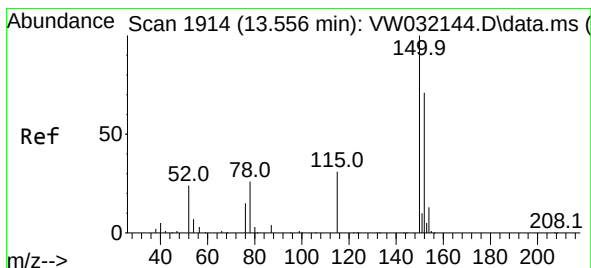
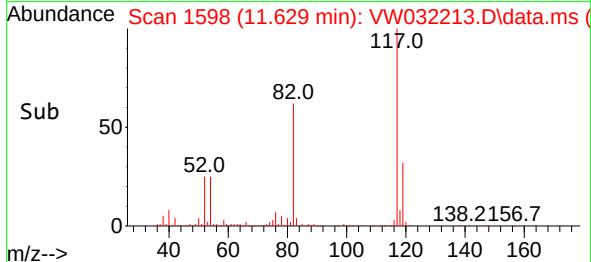
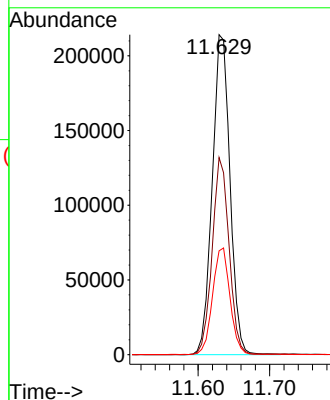
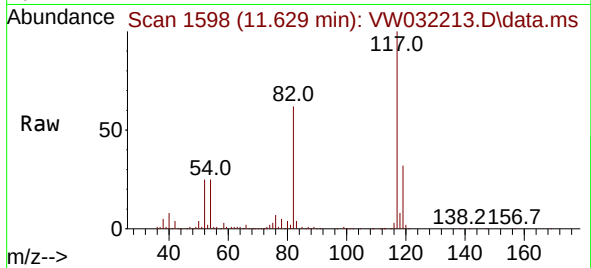




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032213.D
Acq: 19 Sep 2025 14:21

Instrument :
MSVOA_W
ClientSampleId :
COMP-1

Tgt Ion:117 Resp: 368580
Ion Ratio Lower Upper
117 100
82 61.6 42.7 64.1
119 32.4 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: VW032213.D
Acq: 19 Sep 2025 14:21

Tgt Ion:152 Resp: 190890
Ion Ratio Lower Upper
152 100
115 61.4 31.8 95.4
150 160.8 0.0 343.0

