

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032197.D
 Acq On : 18 Sep 2025 14:20
 Operator : SY/MD
 Sample : Q3133-01
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-238

Quant Time: Sep 19 04:33:58 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	128370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	279350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	281723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	130242	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107826	58.733	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.460%
35) Dibromofluoromethane	7.898	113	100066	51.057	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.120%
50) Toluene-d8	10.325	98	329809	47.936	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.880%
62) 4-Bromofluorobenzene	12.617	95	119594	47.007	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.020%

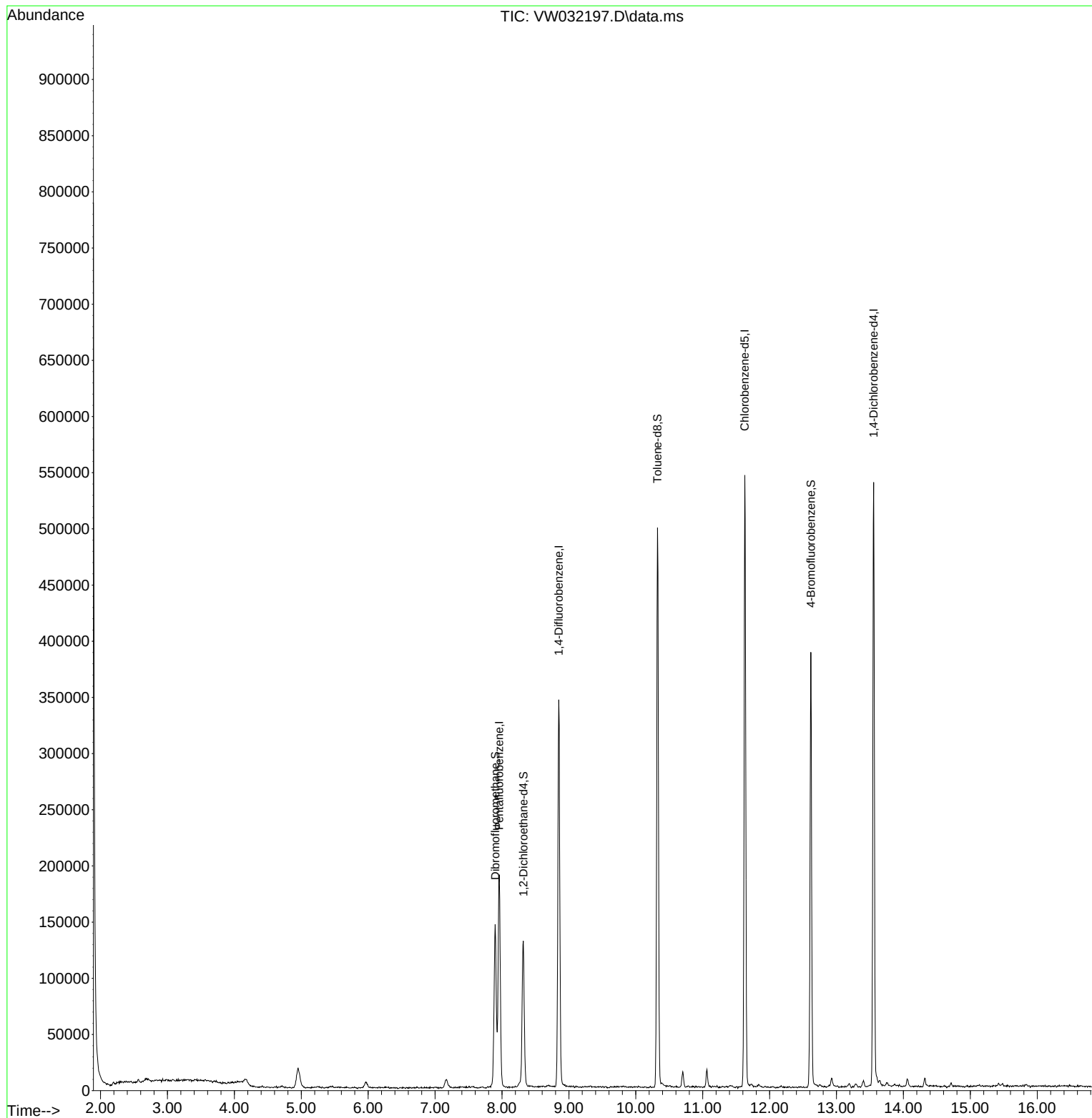
Target Compounds	Qvalue

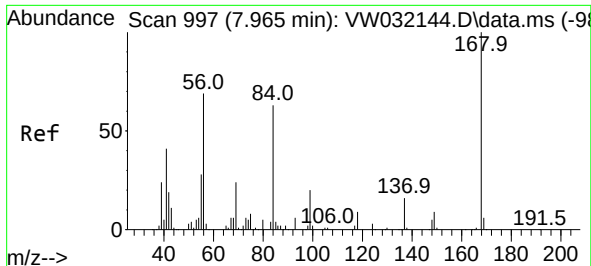
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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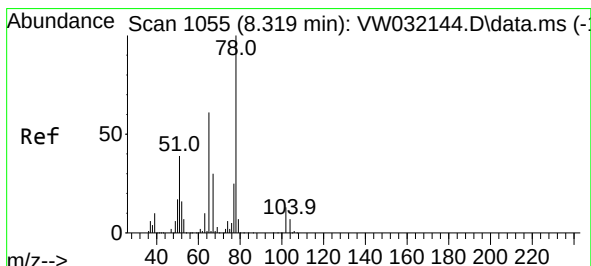
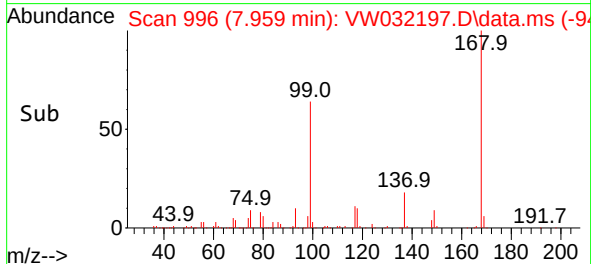
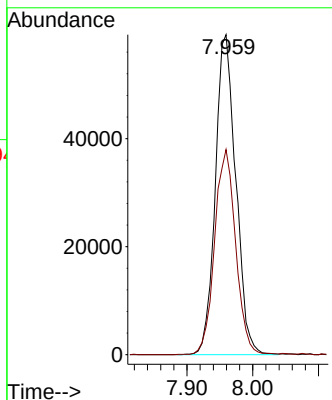
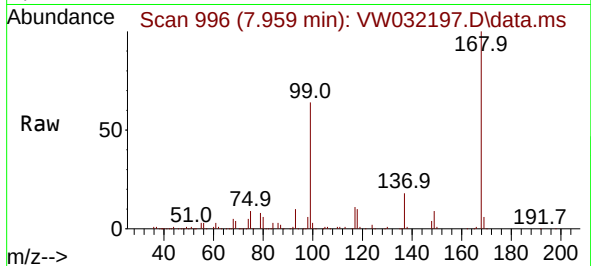




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

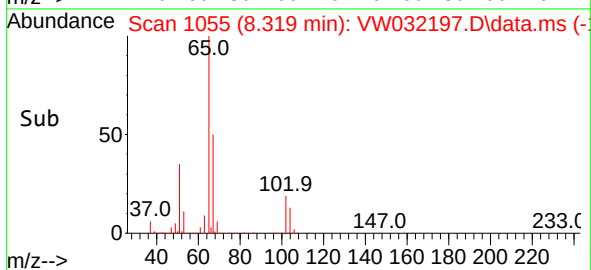
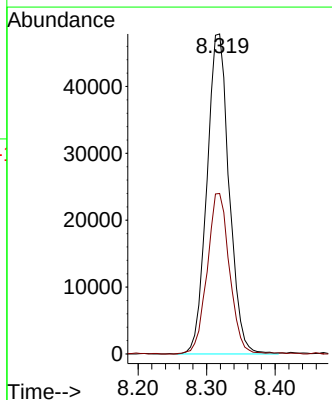
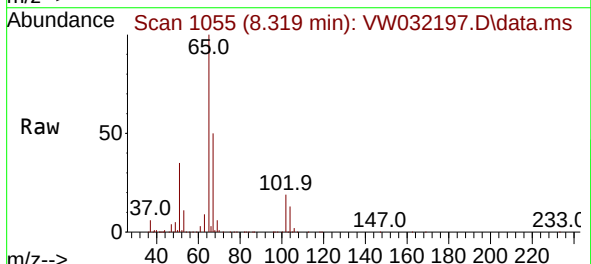
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

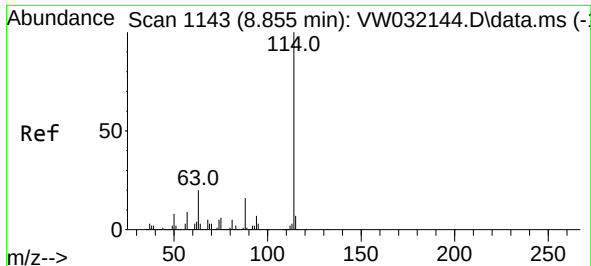
Tgt Ion:168 Resp: 128370
Ion Ratio Lower Upper
168 100
99 64.0 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 58.733 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 65 Resp: 107826
Ion Ratio Lower Upper
65 100
67 50.3 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: VW032197.D

Acq: 18 Sep 2025 14:20

Instrument :

MSVOA_W

ClientSampleId :

VNJ-238

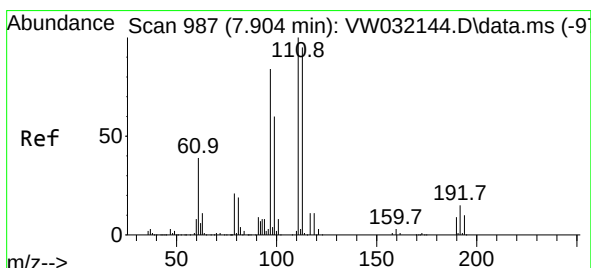
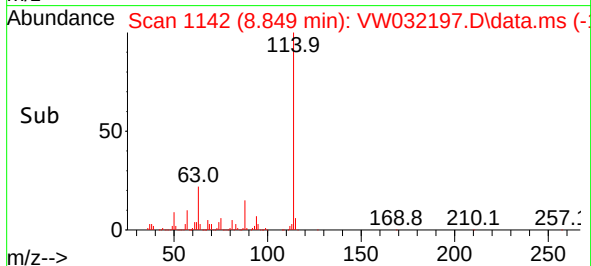
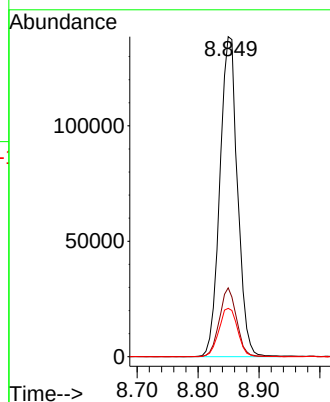
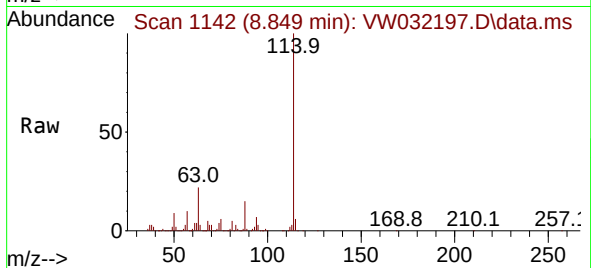
Tgt Ion:114 Resp: 279350

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 15.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.057 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032197.D

Acq: 18 Sep 2025 14:20

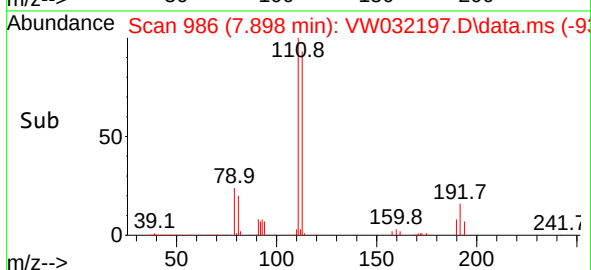
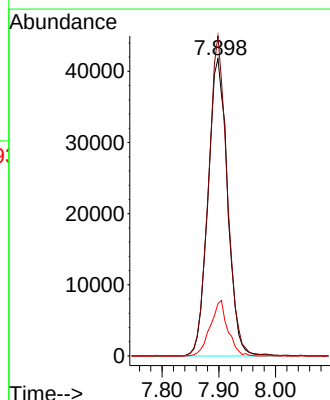
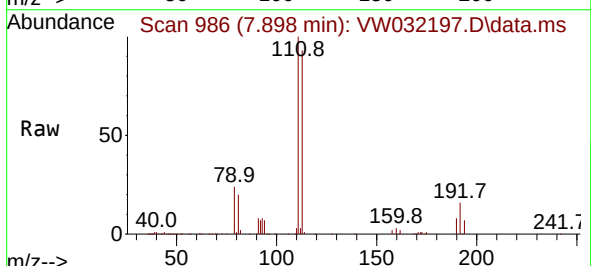
Tgt Ion:113 Resp: 100066

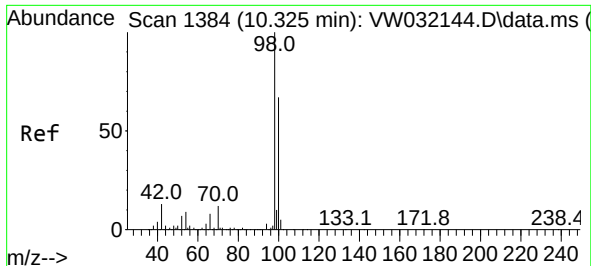
Ion Ratio Lower Upper

113 100

111 102.8 83.9 125.9

192 16.7 14.6 21.8

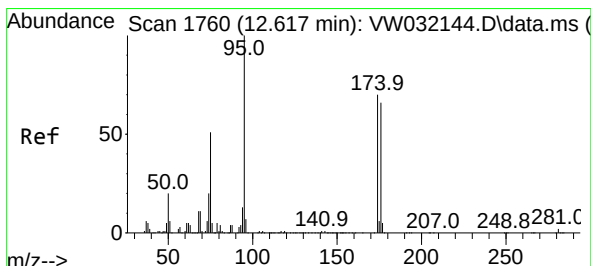
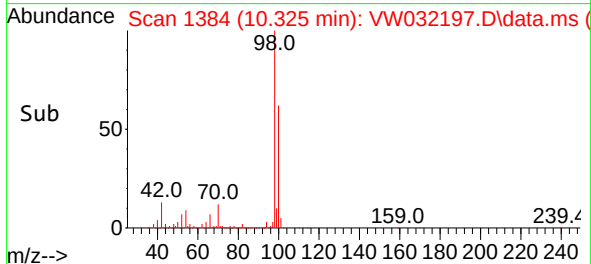
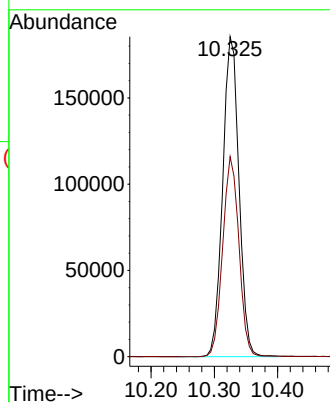
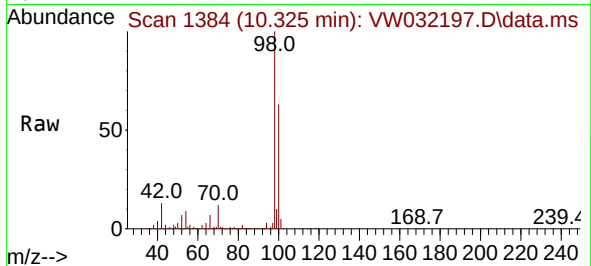




#50
Toluene-d8
Concen: 47.936 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

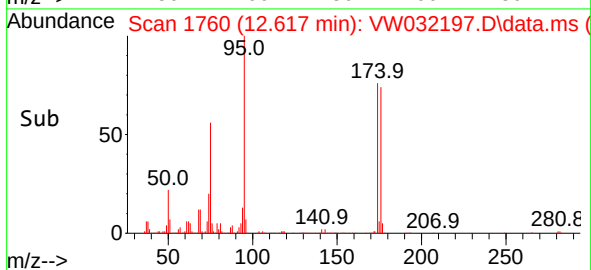
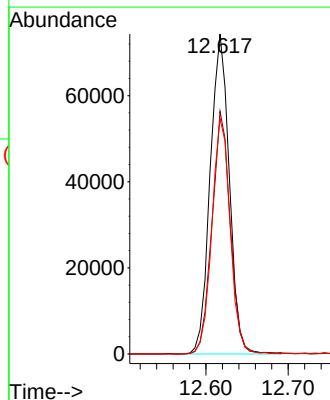
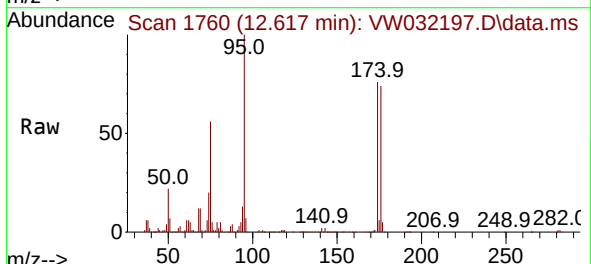
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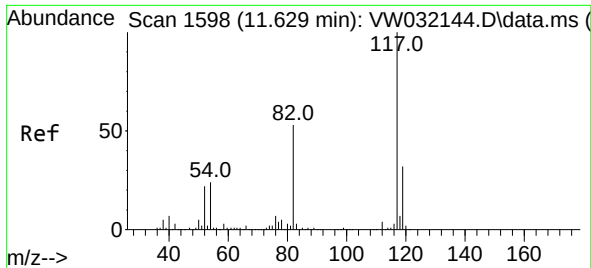
Tgt Ion: 98 Resp: 329809
Ion Ratio Lower Upper
98 100
100 62.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 95 Resp: 119594
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.6
176 70.7 0.0 140.8

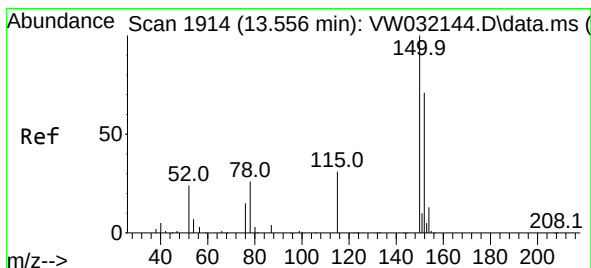
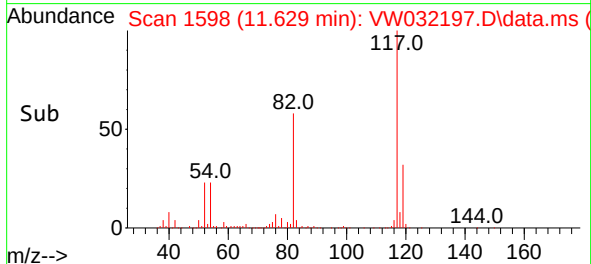
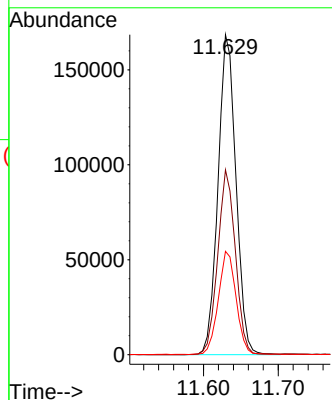
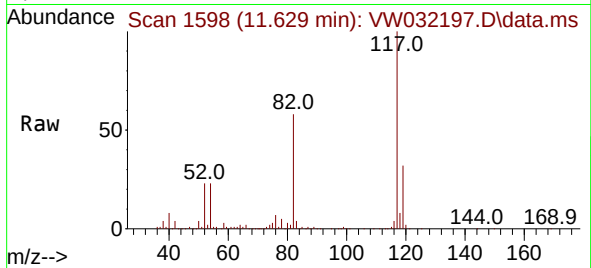




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

Tgt Ion:117 Resp: 281723
Ion Ratio Lower Upper
117 100
82 57.8 42.7 64.1
119 32.2 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: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion:152 Resp: 130242
Ion Ratio Lower Upper
152 100
115 62.9 31.8 95.4
150 160.6 0.0 343.0

