

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032198.D
 Acq On : 18 Sep 2025 14:42
 Operator : SY/MD
 Sample : Q3133-03
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-222

Quant Time: Sep 19 04:34:21 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	136755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	298804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	317044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151374	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125161	63.996	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	128.000%
35) Dibromofluoromethane	7.904	113	109886	52.417	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.840%
50) Toluene-d8	10.331	98	349693	47.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.040%
62) 4-Bromofluorobenzene	12.617	95	134587	49.456	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.920%

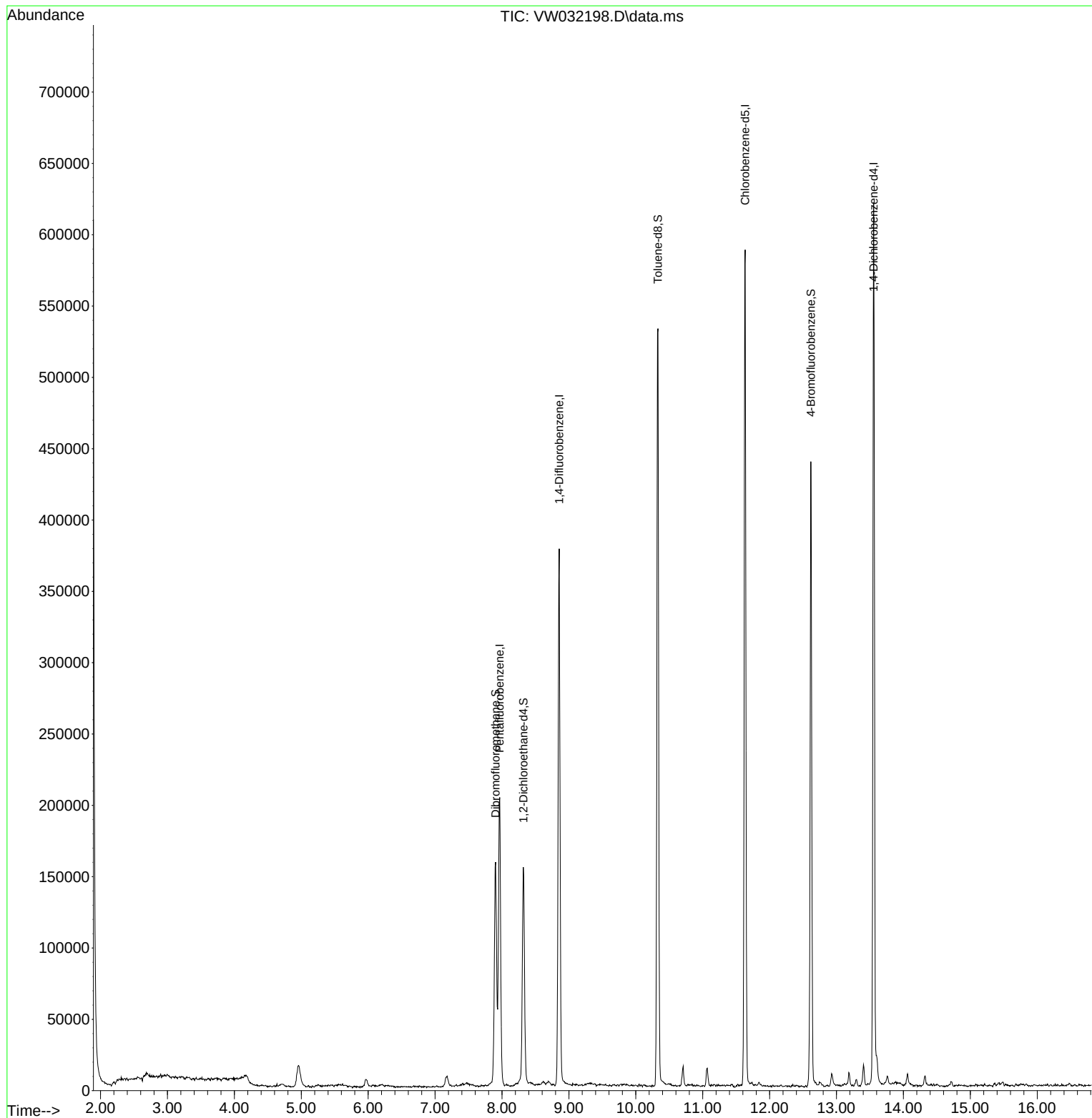
Target Compounds	Qvalue

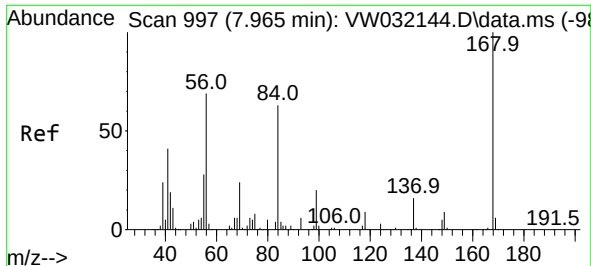
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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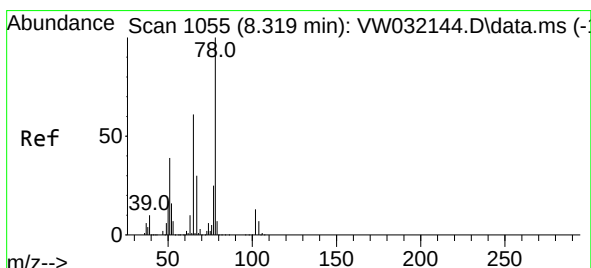
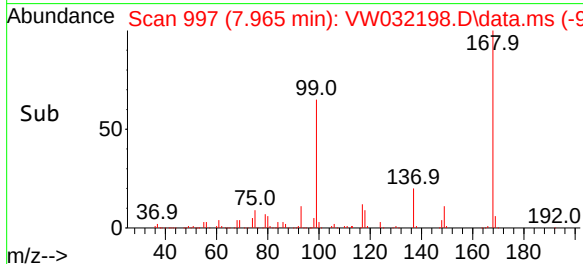
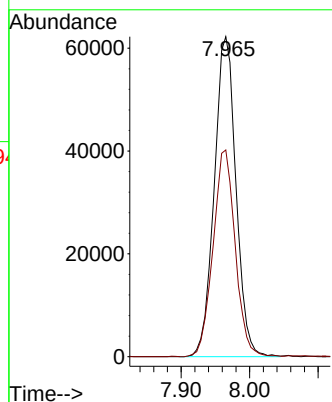
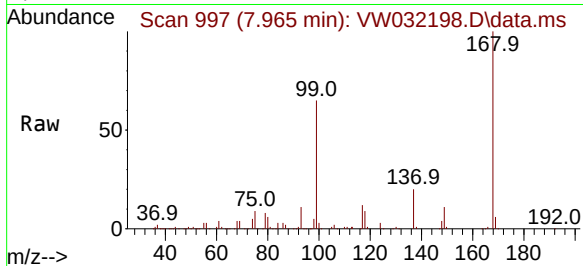




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

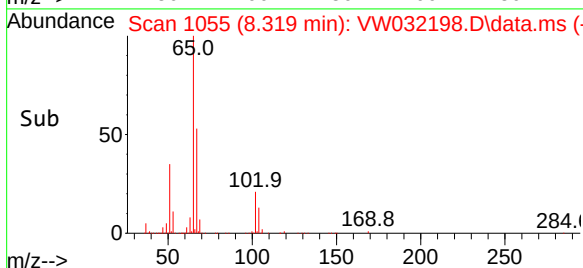
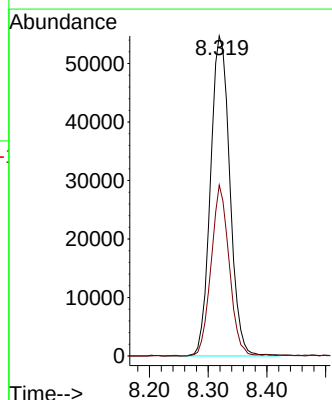
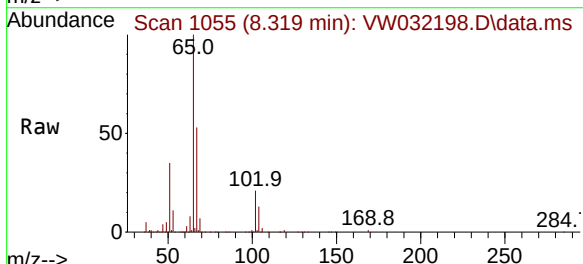
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

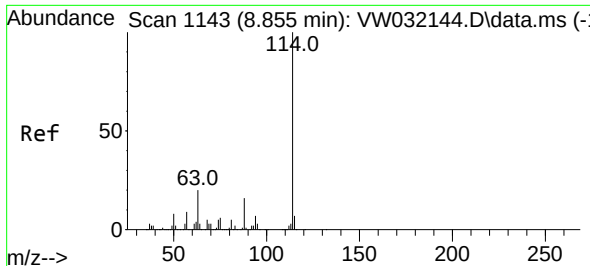
Tgt Ion:168 Resp: 136755
Ion Ratio Lower Upper
168 100
99 64.6 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 63.996 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion: 65 Resp: 125161
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: VW032198.D

Acq: 18 Sep 2025 14:42

Instrument :

MSVOA_W

ClientSampleId :

VNJ-222

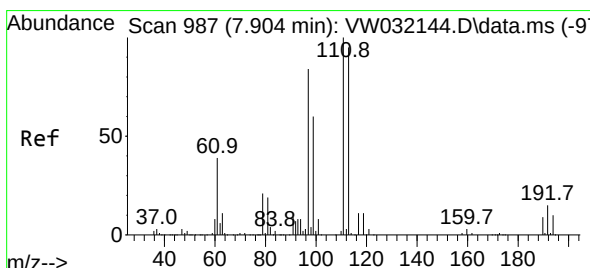
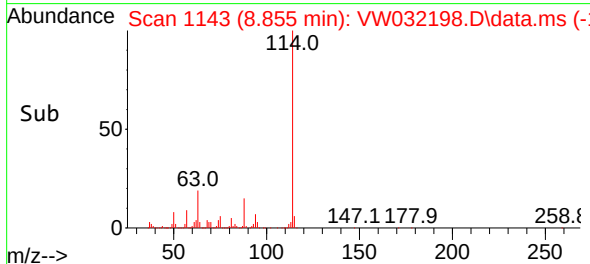
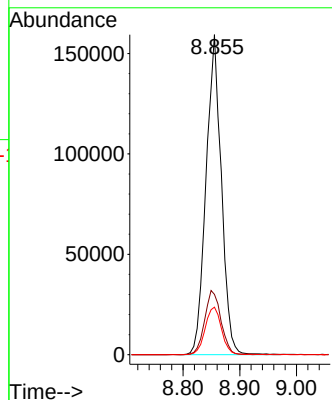
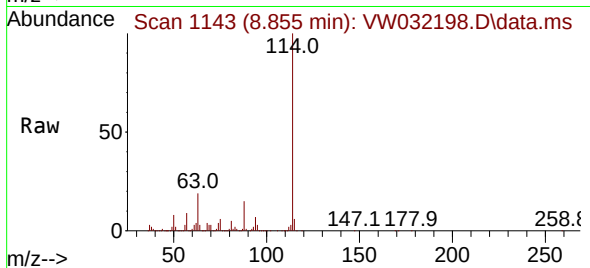
Tgt Ion:114 Resp: 298804

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

88 14.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.417 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

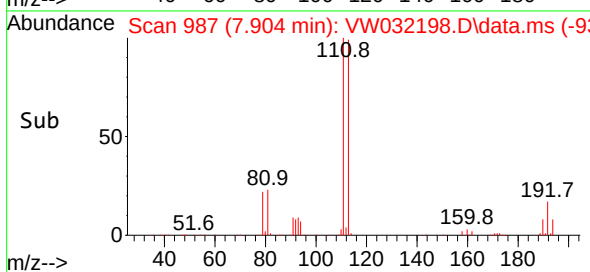
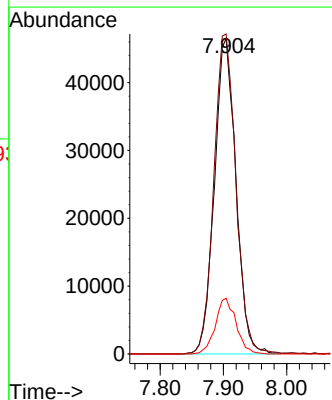
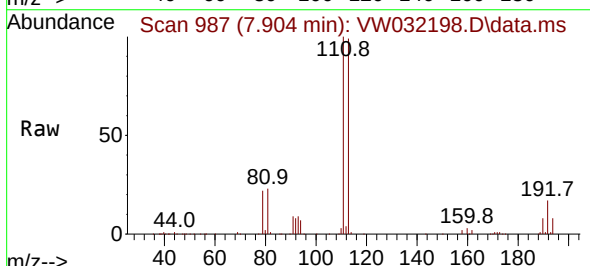
Tgt Ion:113 Resp: 109886

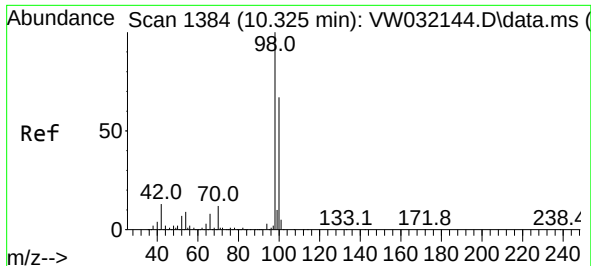
Ion Ratio Lower Upper

113 100

111 103.4 83.9 125.9

192 17.0 14.6 21.8

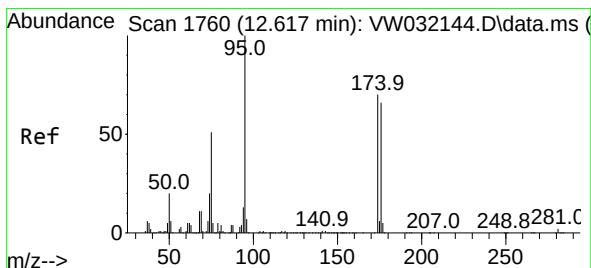
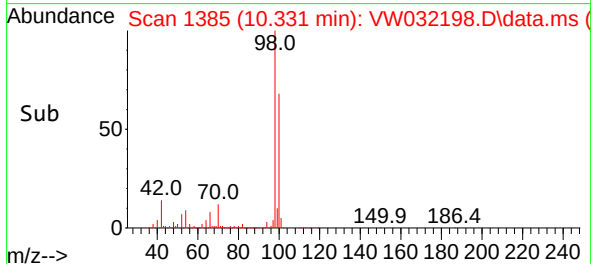
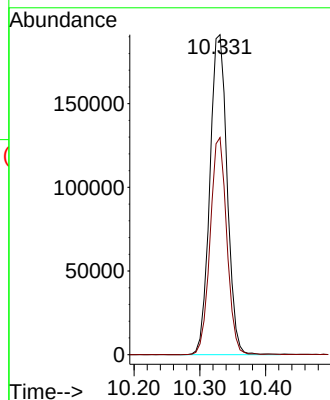
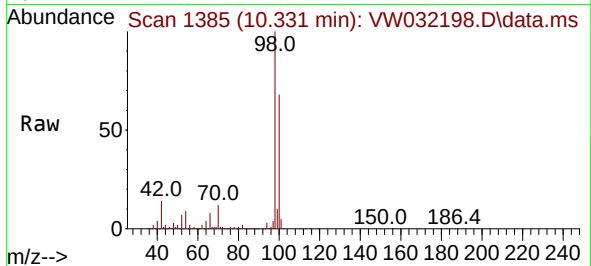




#50
Toluene-d8
Concen: 47.517 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

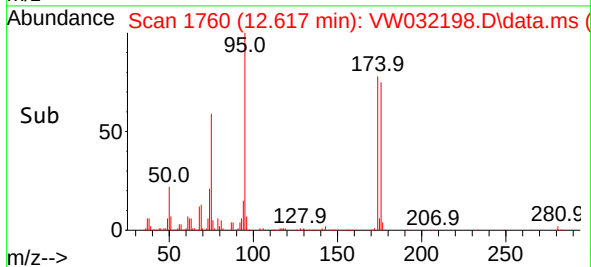
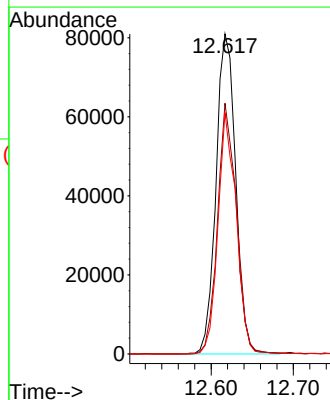
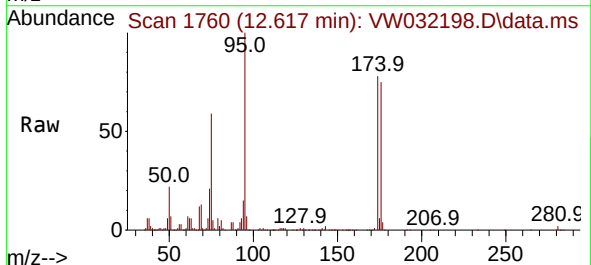
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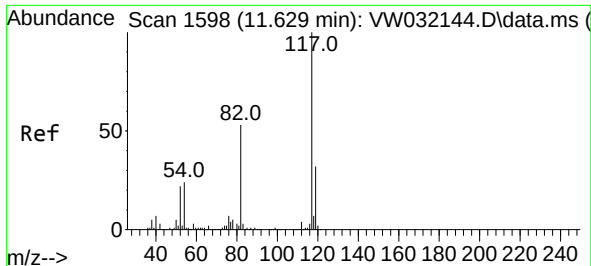
Tgt Ion: 98 Resp: 349693
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.456 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion: 95 Resp: 134587
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.6
176 70.2 0.0 140.8

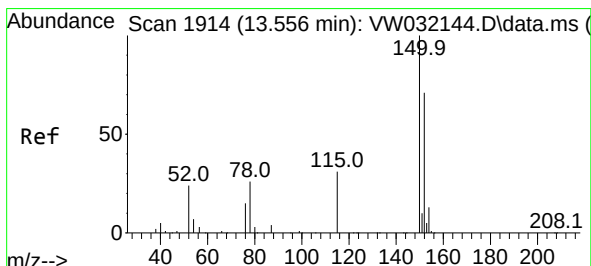
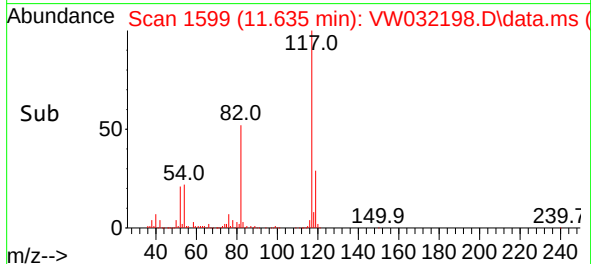
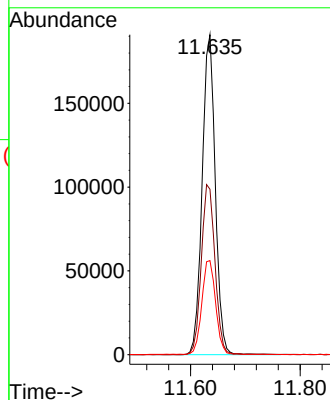
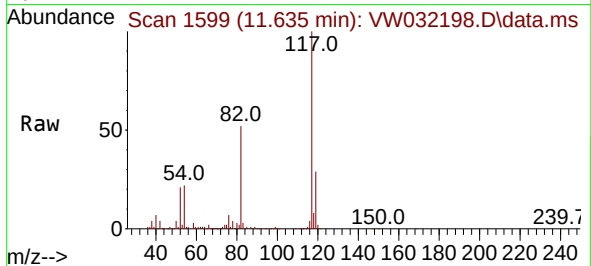




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

Tgt Ion:117 Resp: 317044
Ion Ratio Lower Upper
117 100
82 51.7 42.7 64.1
119 29.3 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: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion:152 Resp: 151374
Ion Ratio Lower Upper
152 100
115 61.3 31.8 95.4
150 158.1 0.0 343.0

