

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088298.D
 Acq On : 17 Nov 2025 12:57
 Operator : JC\MD
 Sample : Q3643-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Nov 18 02:59:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	180499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	392968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188342	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	172416	55.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.480%
35) Dibromofluoromethane	8.147	113	137399	50.101	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.200%
50) Toluene-d8	10.547	98	480724	45.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.980%
62) 4-Bromofluorobenzene	12.829	95	173493	46.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.980%

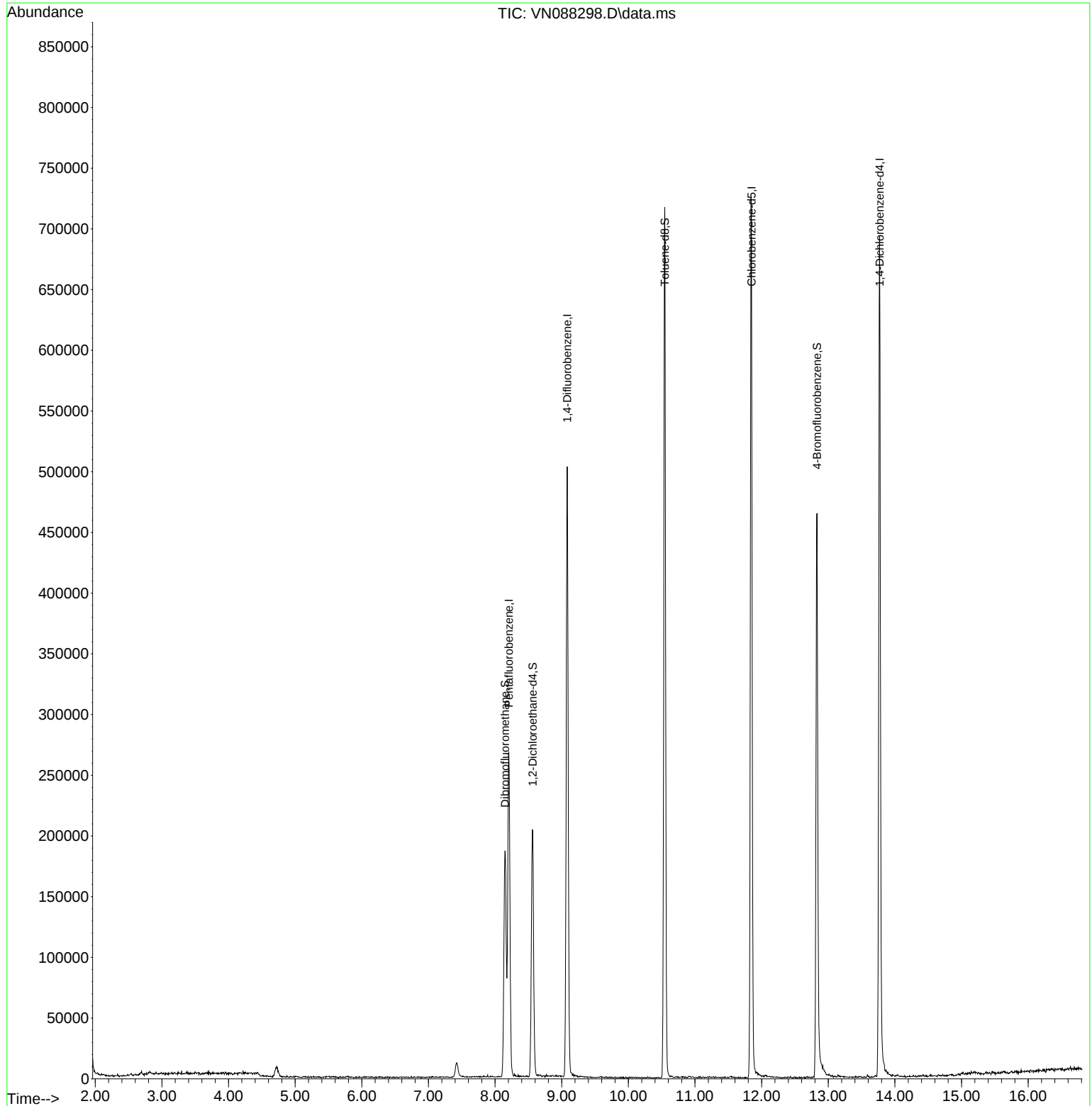
Target Compounds	Qvalue

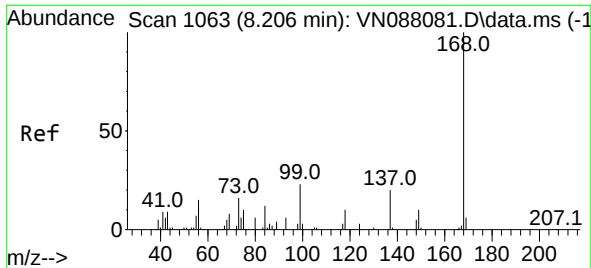
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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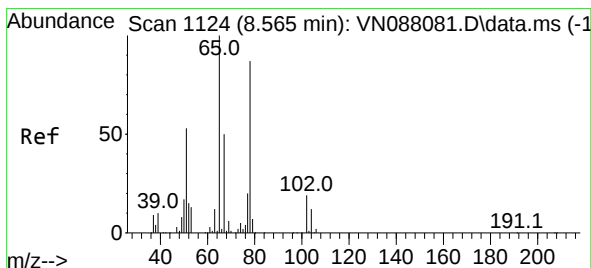
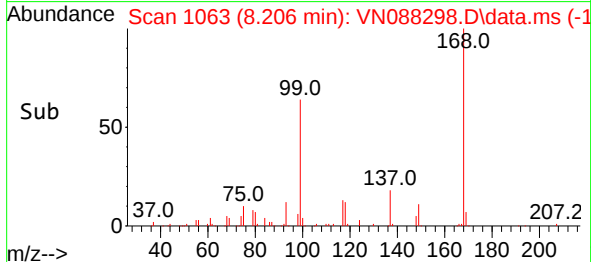
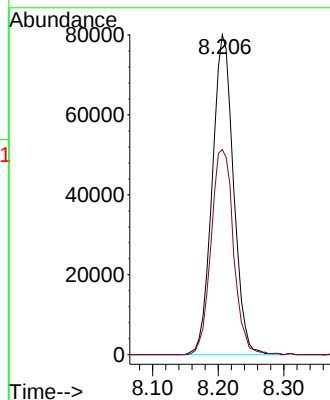
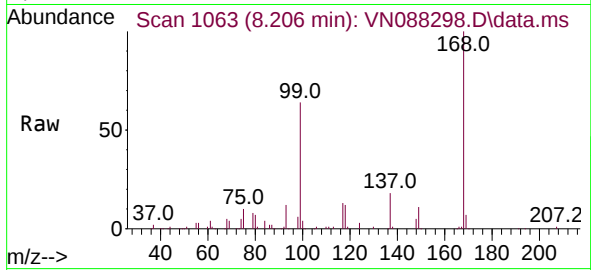




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

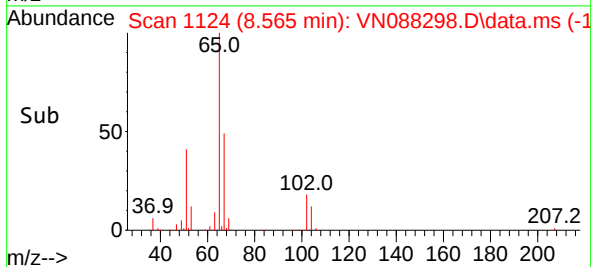
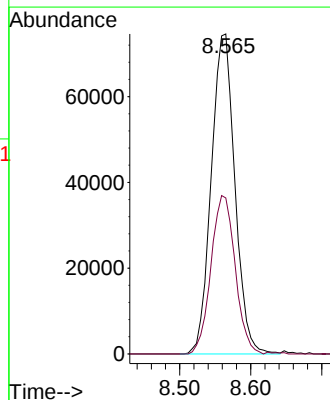
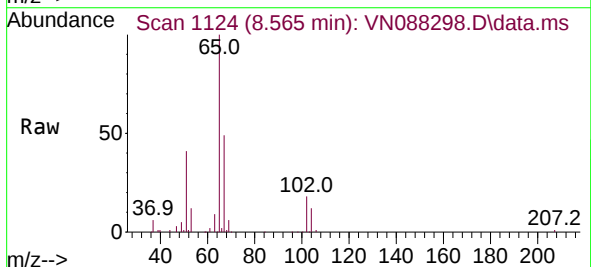
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

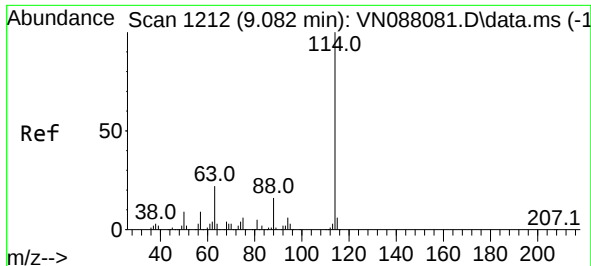
Tgt Ion:168 Resp: 180499
Ion Ratio Lower Upper
168 100
99 64.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.240 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion: 65 Resp: 172416
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

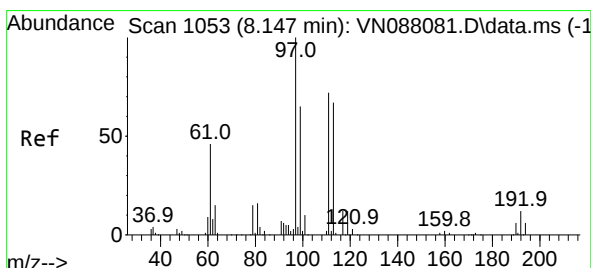
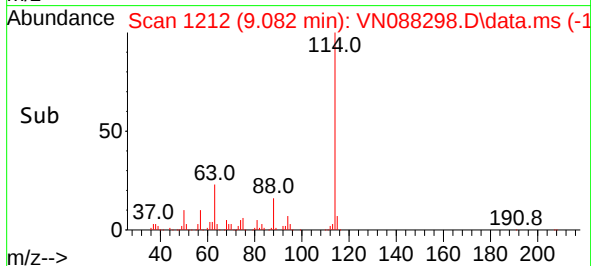
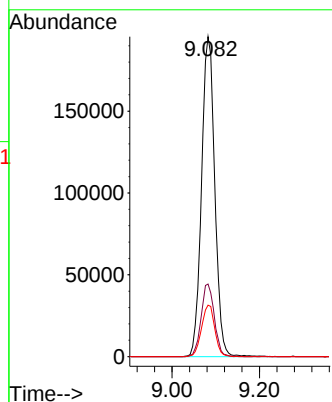
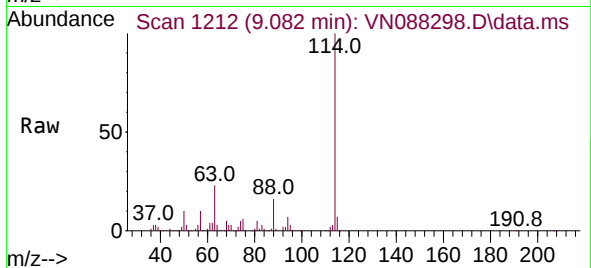
Tgt Ion:114 Resp: 408220

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.101 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

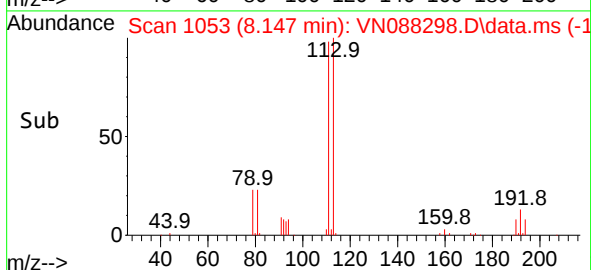
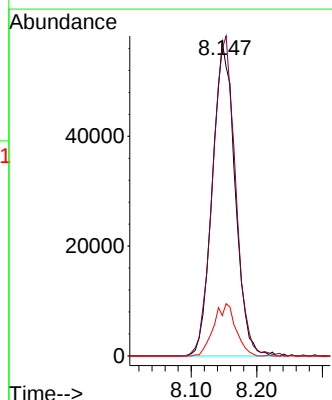
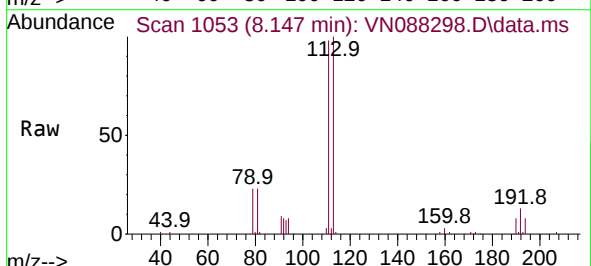
Tgt Ion:113 Resp: 137399

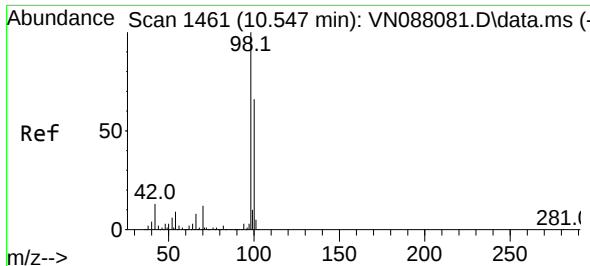
Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 16.2 12.8 19.2

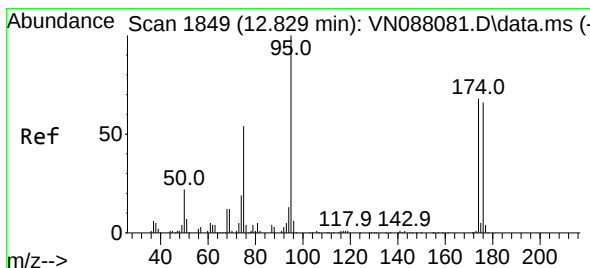
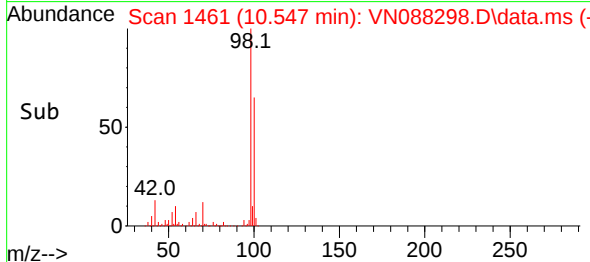
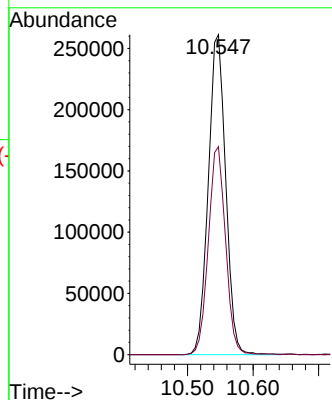
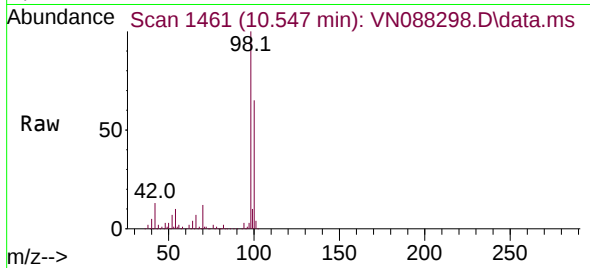




#50
Toluene-d8
Concen: 45.493 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

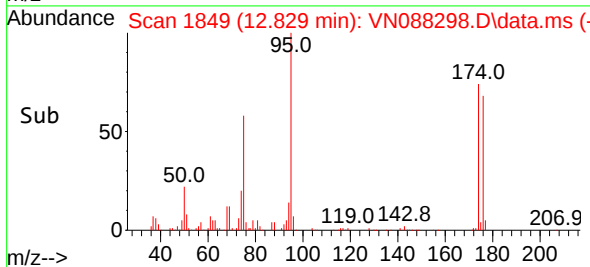
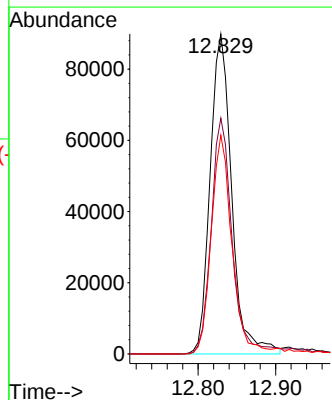
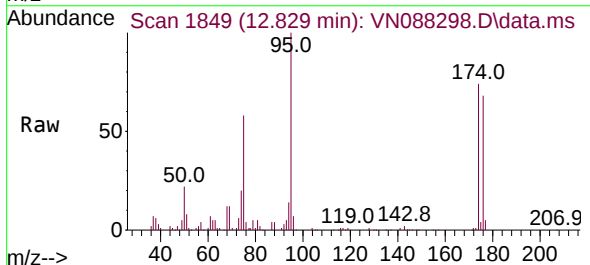
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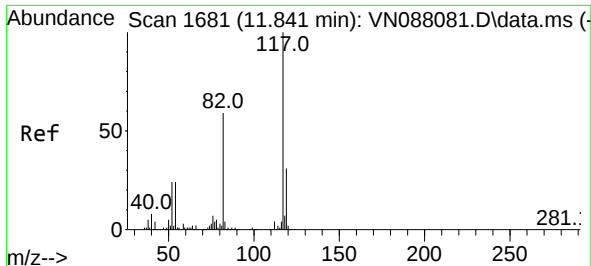
Tgt Ion: 98 Resp: 480724
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.489 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion: 95 Resp: 173493
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.4
176 67.4 0.0 132.6

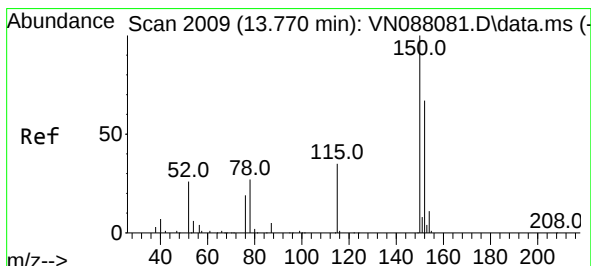
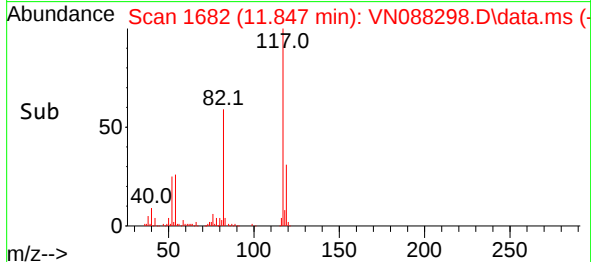
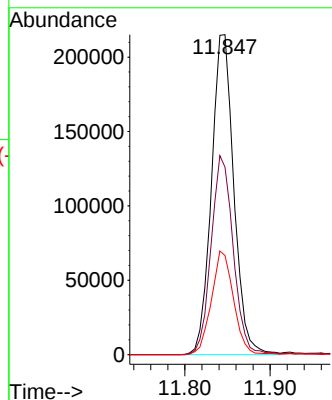
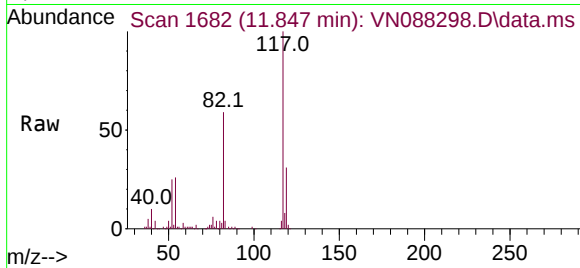




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.2
119	31.0	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	32.3	96.8
150	156.0	0.0	351.0

