

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087994.D
 Acq On : 30 Sep 2025 11:49
 Operator : JC\MD
 Sample : Q3188-01DL 50X
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4135DL

Quant Time: Oct 01 04:40:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

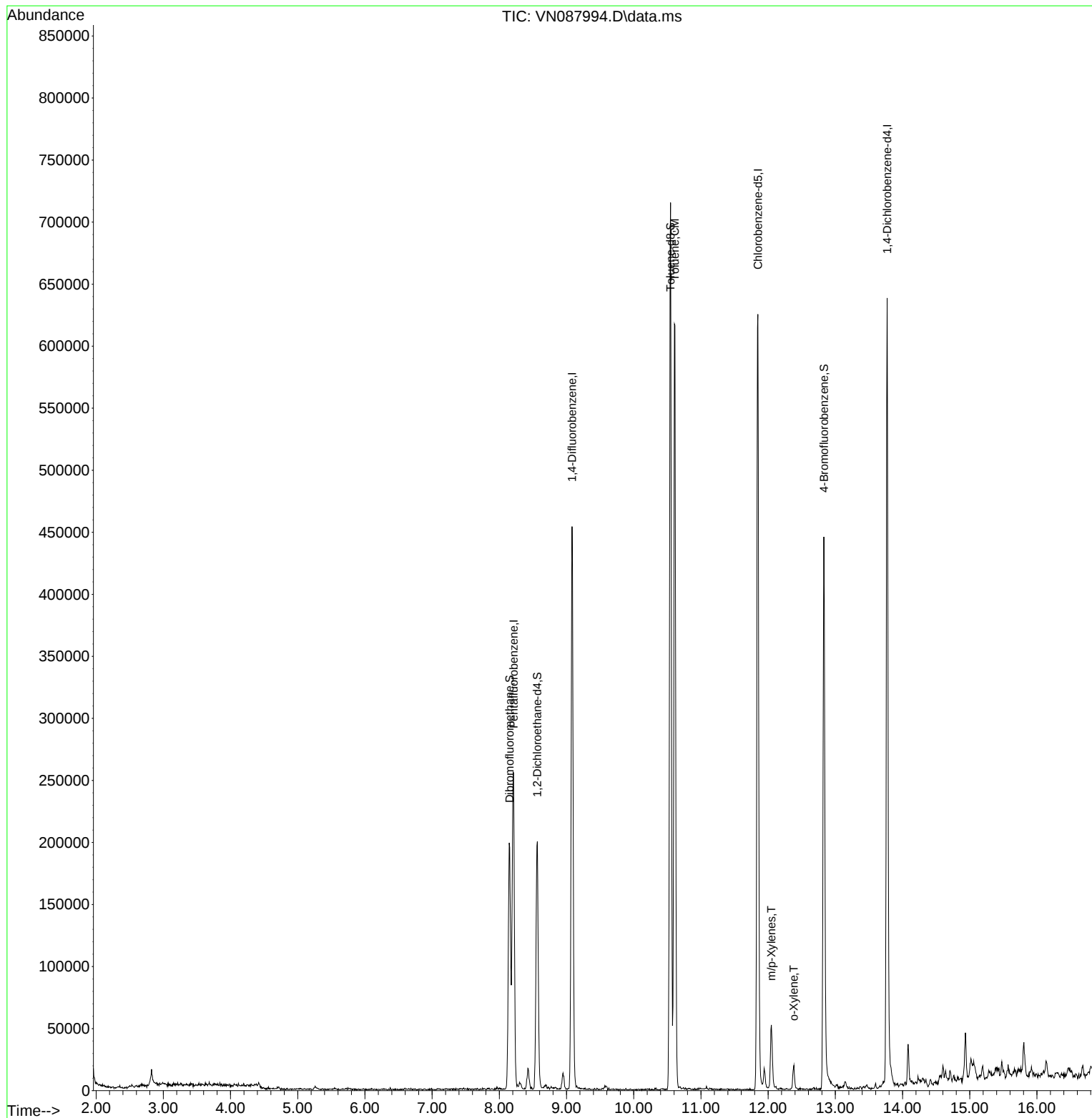
Internal Standards						
1) Pentafluorobenzene	8.212	168	173998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	385160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	366638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	173886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	168378	57.501	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.000%
35) Dibromofluoromethane	8.153	113	140853	50.368	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	10.547	98	482859	49.100	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.829	95	164328	46.748	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.500%
Target Compounds						
52) Toluene	10.612	92	272478	38.999	ug/l	98
68) m/p-Xylenes	12.047	106	15890	3.191	ug/l	93
69) o-Xylene	12.382	106	5699	1.191	ug/l	99

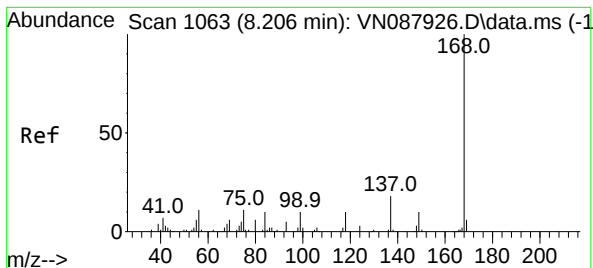
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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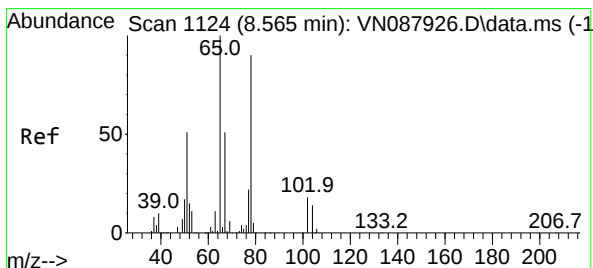
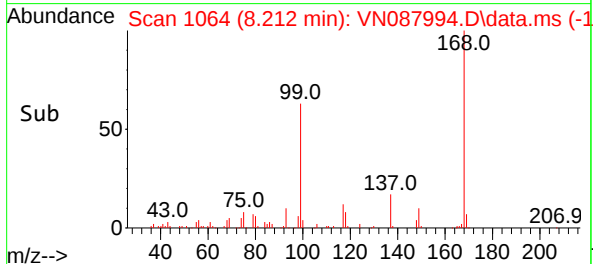
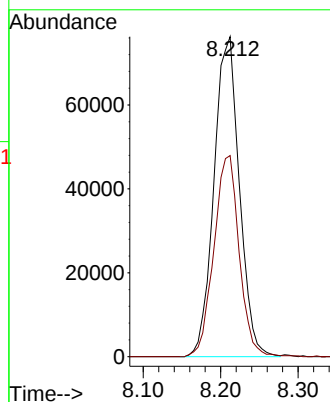
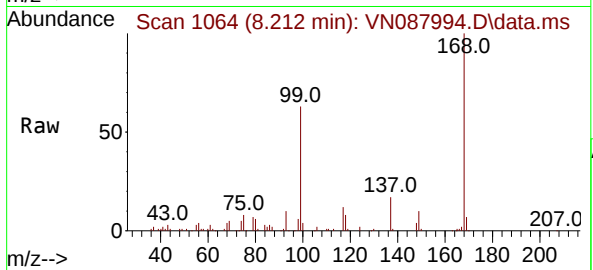




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

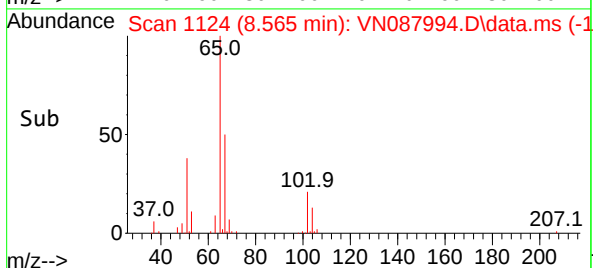
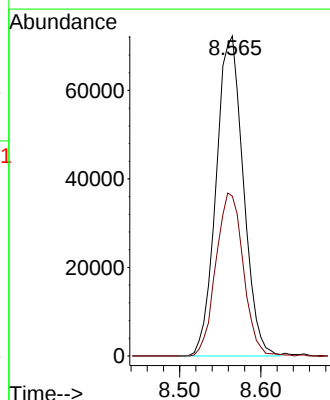
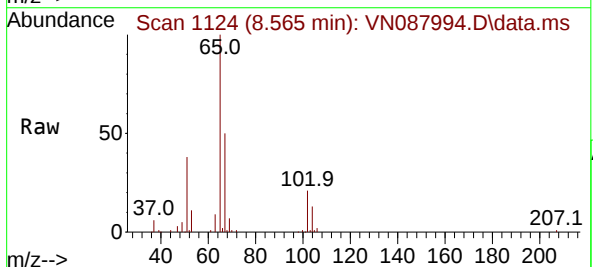
Instrument :
MSVOA_N
ClientSampleId :
4135DL

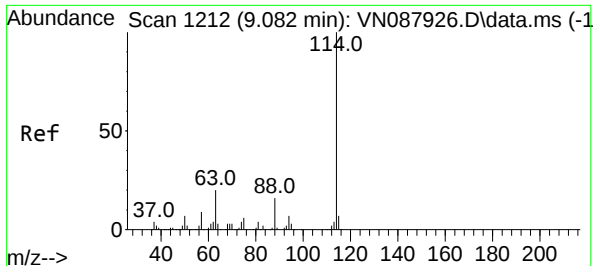
Tgt Ion:168 Resp: 173998
Ion Ratio Lower Upper
168 100
99 62.9 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 57.501 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

Tgt Ion: 65 Resp: 168378
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087994.D

Acq: 30 Sep 2025 11:49

Instrument :

MSVOA_N

ClientSampleId :

4135DL

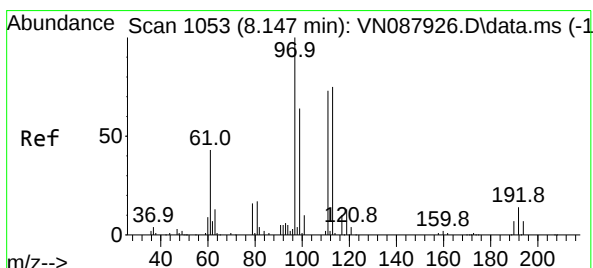
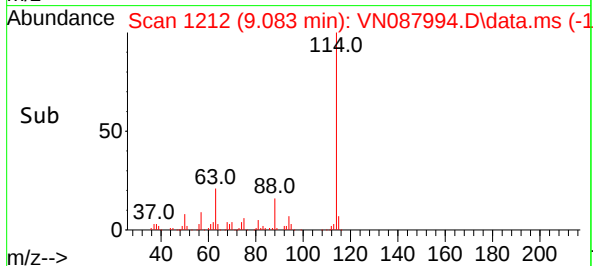
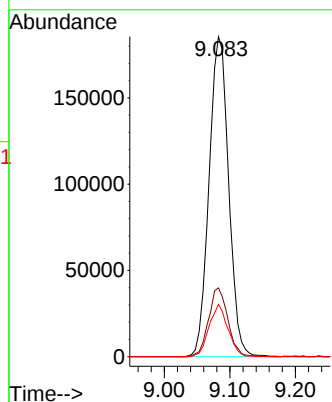
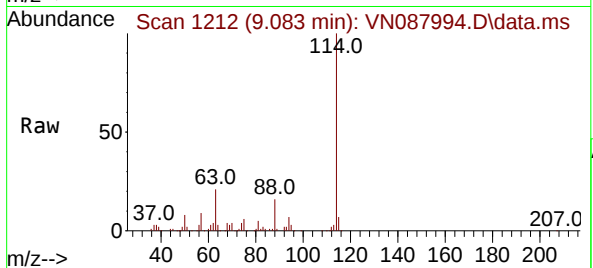
Tgt Ion:114 Resp: 385160

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.368 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087994.D

Acq: 30 Sep 2025 11:49

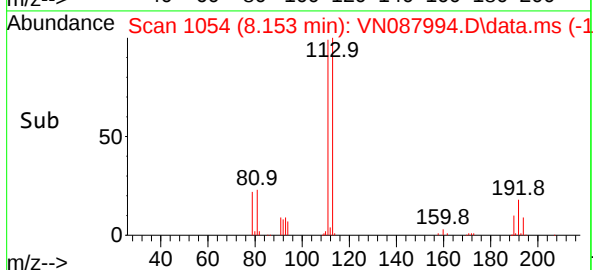
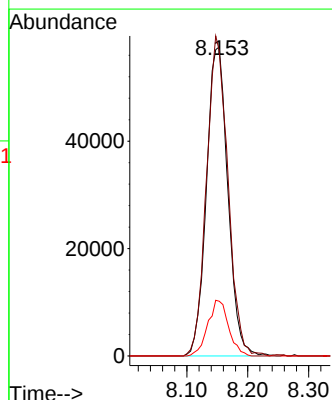
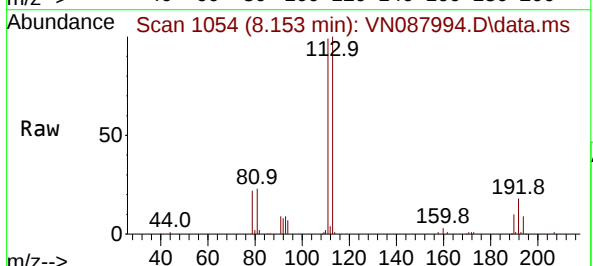
Tgt Ion:113 Resp: 140853

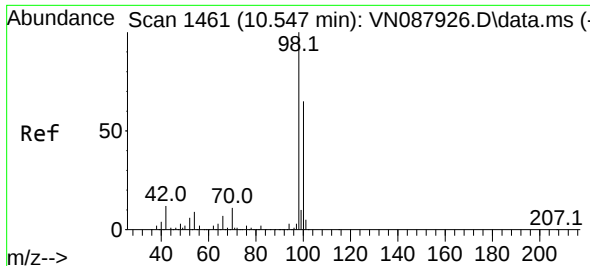
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 17.5 14.2 21.2

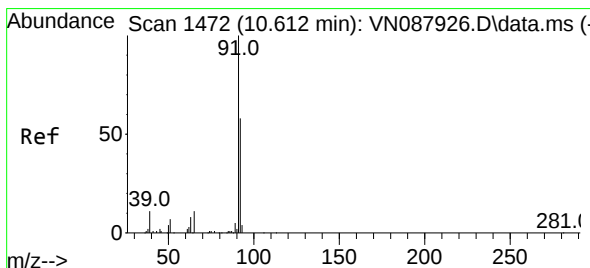
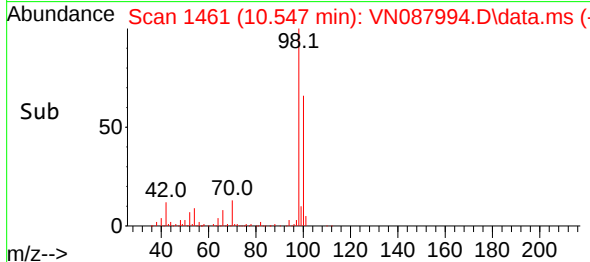
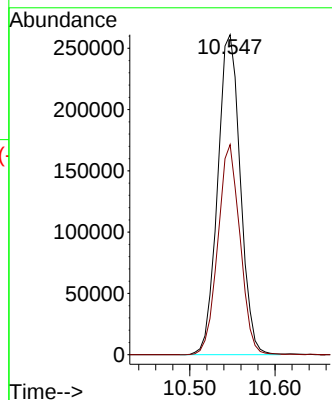
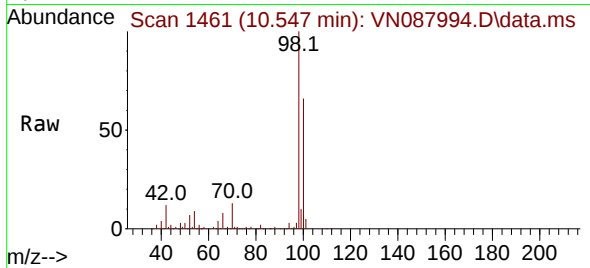




#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

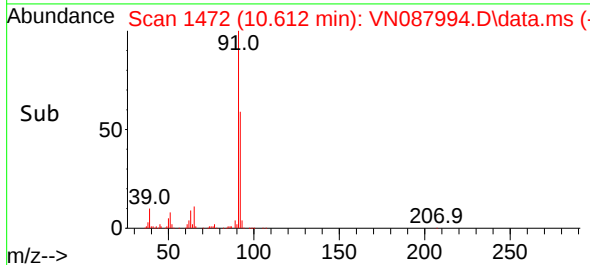
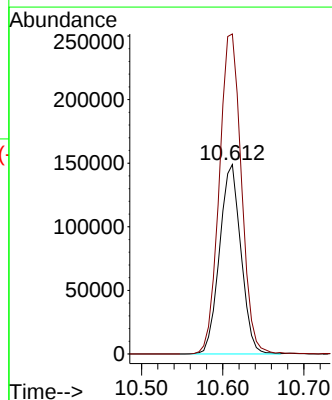
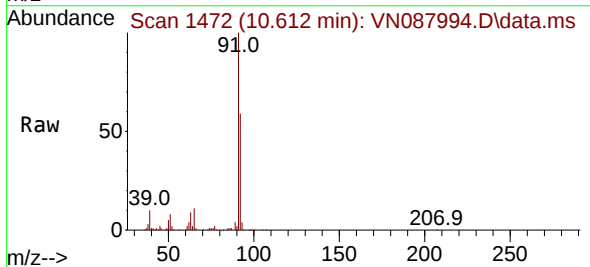
Instrument :
MSVOA_N
ClientSampleId :
4135DL

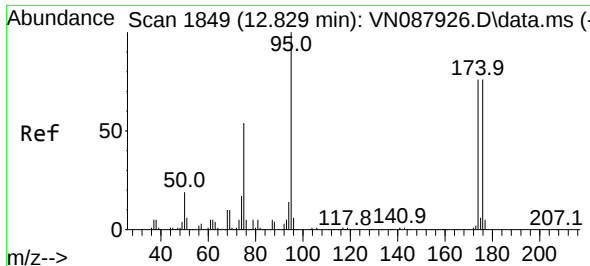
Tgt Ion: 98 Resp: 482859
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#52
Toluene
Concen: 38.999 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

Tgt Ion: 92 Resp: 272478
Ion Ratio Lower Upper
92 100
91 175.2 138.2 207.2

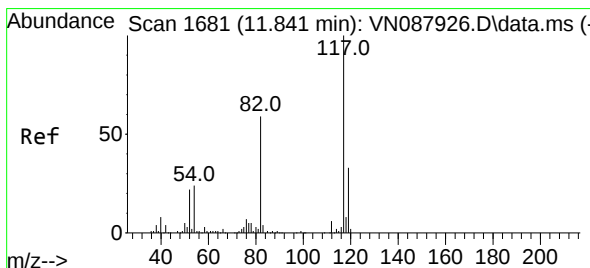
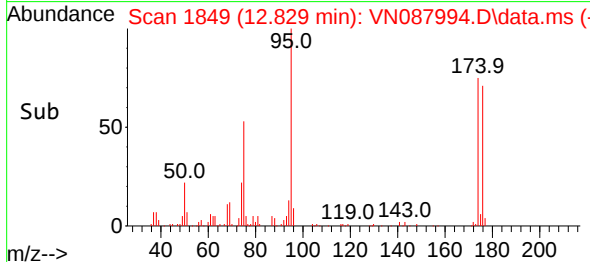
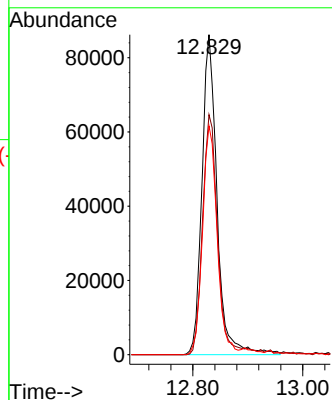
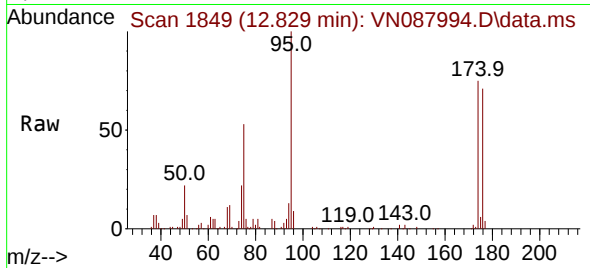




#62
4-Bromofluorobenzene
Concen: 46.748 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

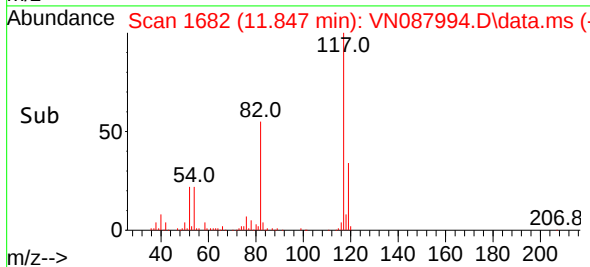
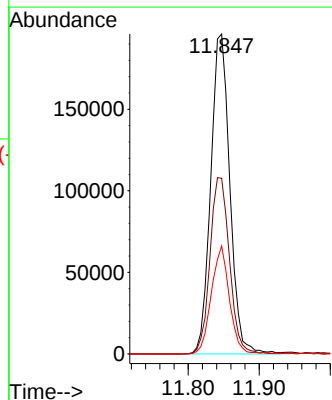
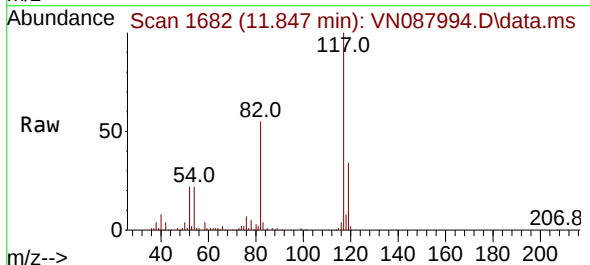
Instrument :
MSVOA_N
ClientSampleId :
4135DL

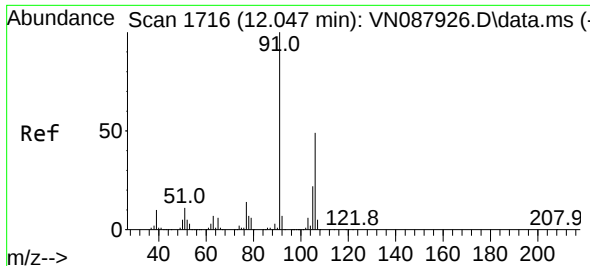
Tgt Ion: 95 Resp: 164328
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.2
176 69.4 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

Tgt Ion: 117 Resp: 366638
Ion Ratio Lower Upper
117 100
82 54.9 47.0 70.4
119 33.8 26.1 39.1

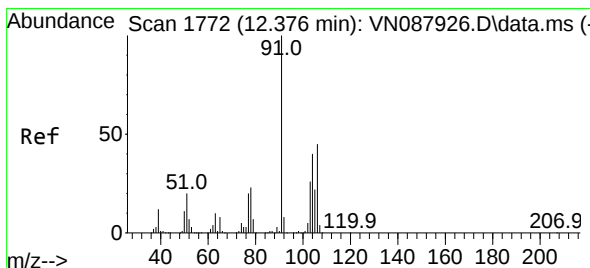
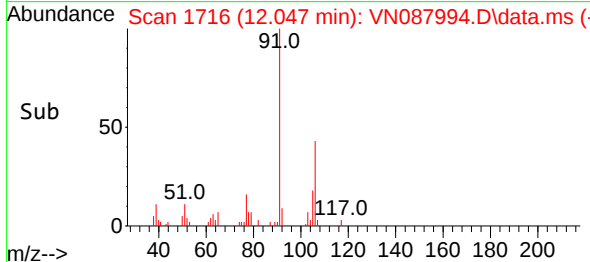
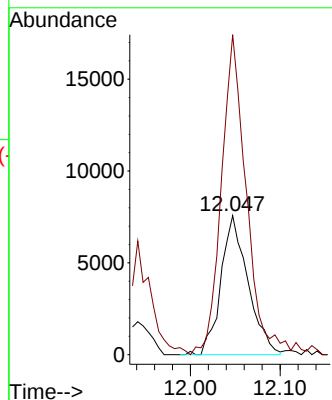
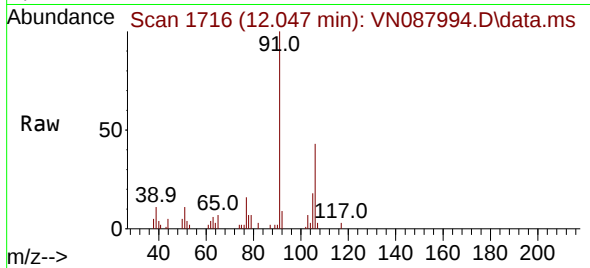




#68
m/p-Xylenes
Concen: 3.191 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

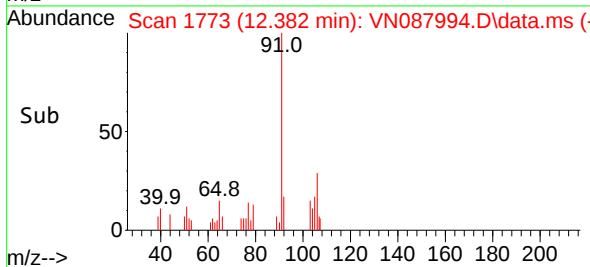
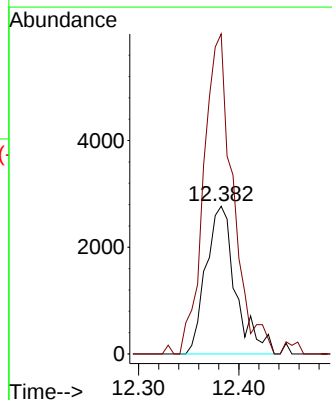
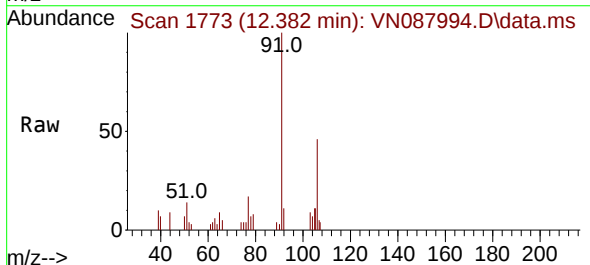
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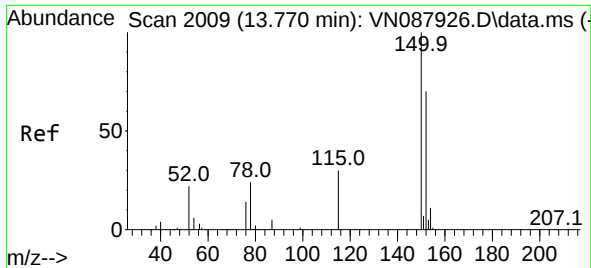
Tgt Ion:106 Resp: 15890
Ion Ratio Lower Upper
106 100
91 213.6 162.9 244.3



#69
o-Xylene
Concen: 1.191 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087994.D
Acq: 30 Sep 2025 11:49

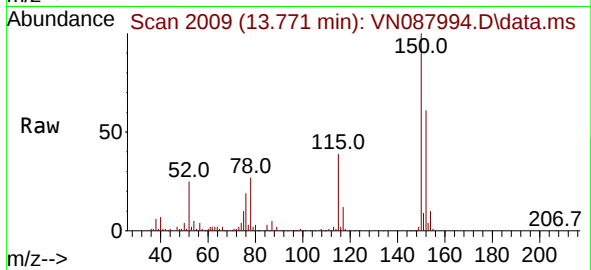
Tgt Ion:106 Resp: 5699
Ion Ratio Lower Upper
106 100
91 215.1 108.2 324.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087994.D
 Acq: 30 Sep 2025 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 4135DL



Tgt Ion:152 Resp: 173886
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.9 89.7
 150 158.4 0.0 335.0

