

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087998.D
 Acq On : 30 Sep 2025 15:09
 Operator : JC\MD
 Sample : Q3241-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 92625

Quant Time: Oct 01 04:42:35 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)

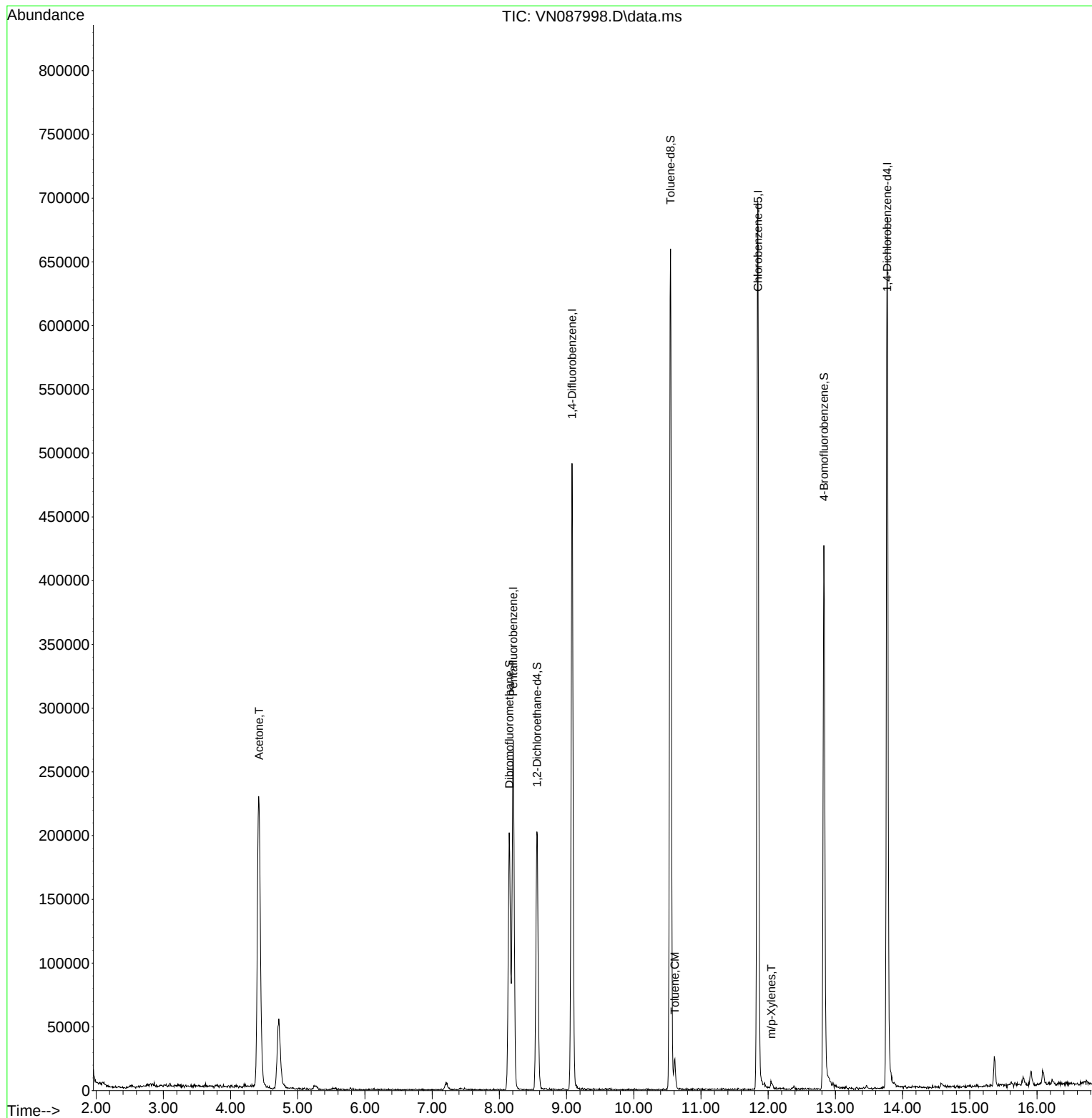
Internal Standards						
1) Pentafluorobenzene	8.206	168	184946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	404931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	166363	53.450	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.900%
35) Dibromofluoromethane	8.147	113	143118	48.679	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.360%
50) Toluene-d8	10.547	98	456609	44.164	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.320%
62) 4-Bromofluorobenzene	12.829	95	154671	41.853	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.700%
Target Compounds						
						Qvalue
16) Acetone	4.424	43	461436	360.322	ug/l	98
52) Toluene	10.612	92	8504	1.158	ug/l	88
68) m/p-Xylenes	12.047	106	1830	0.334	ug/l	83

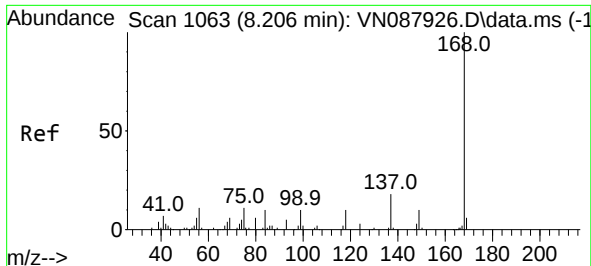
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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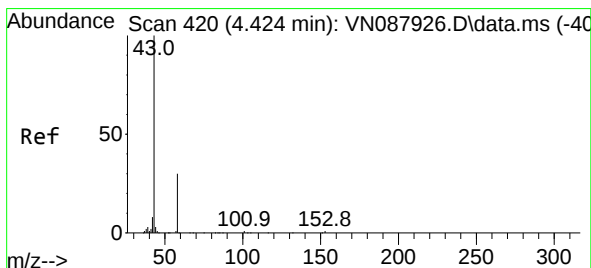
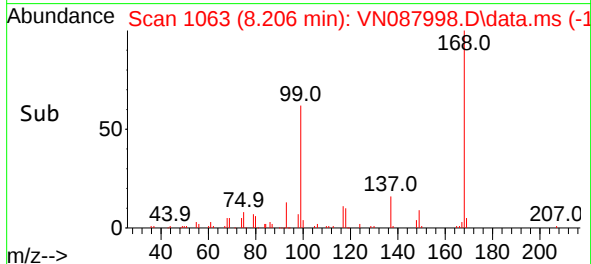
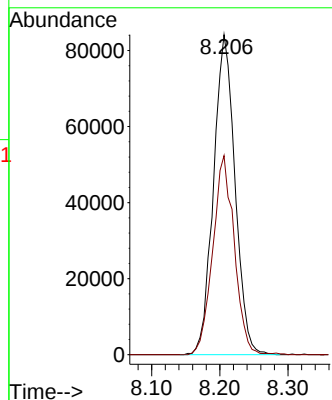
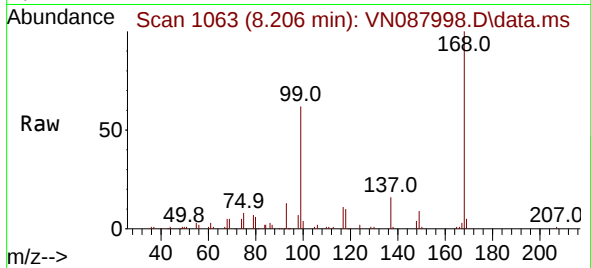




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

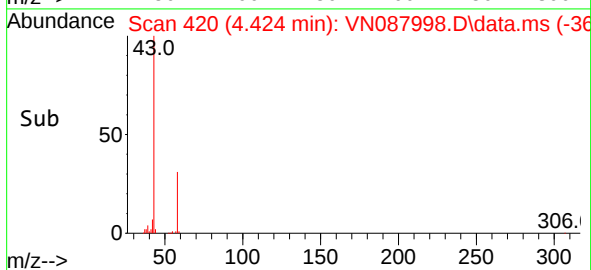
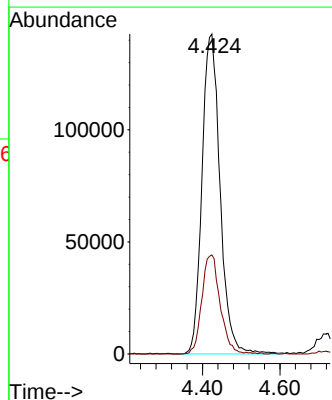
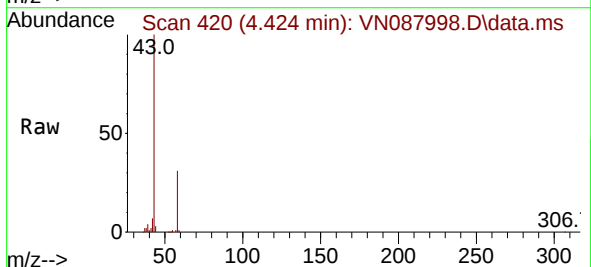
Instrument :
MSVOA_N
ClientSampleId :
92625

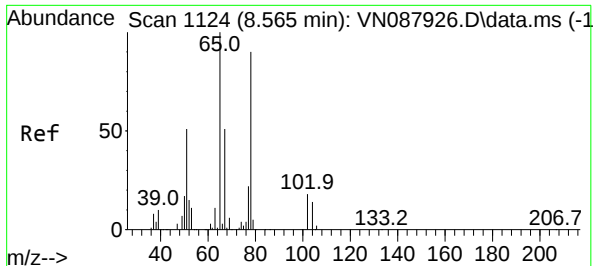
Tgt Ion:168 Resp: 184946
Ion Ratio Lower Upper
168 100
99 62.2 52.2 78.2



#16
Acetone
Concen: 360.322 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

Tgt Ion: 43 Resp: 461436
Ion Ratio Lower Upper
43 100
58 31.0 24.1 36.1





#33

1,2-Dichloroethane-d4

Concen: 53.450 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

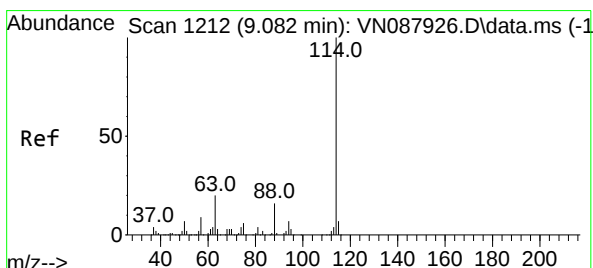
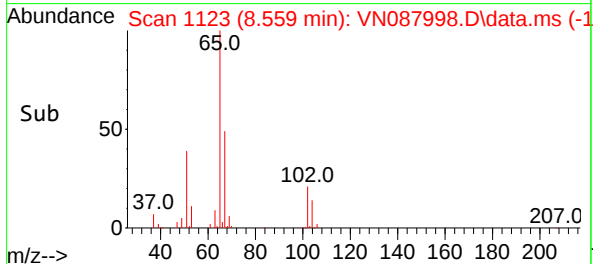
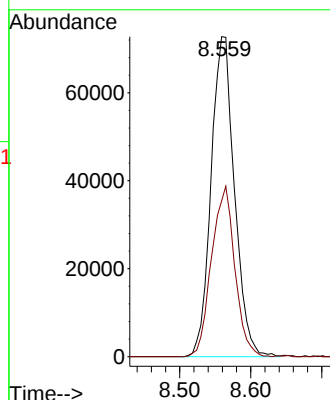
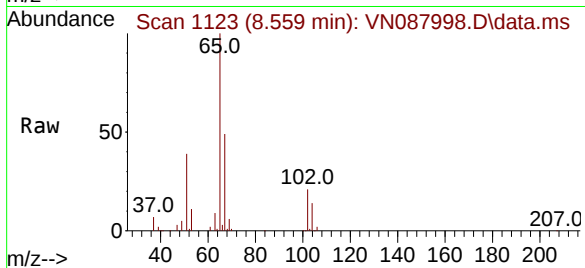
92625

Tgt Ion: 65 Resp: 166363

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

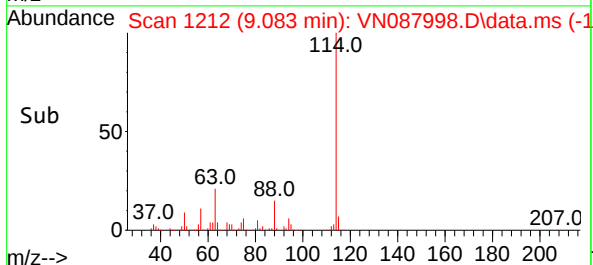
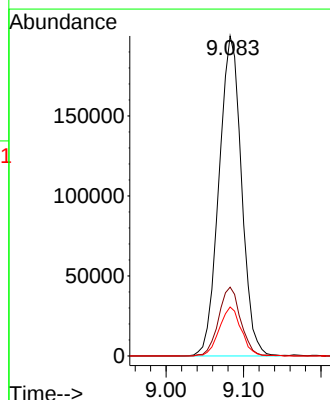
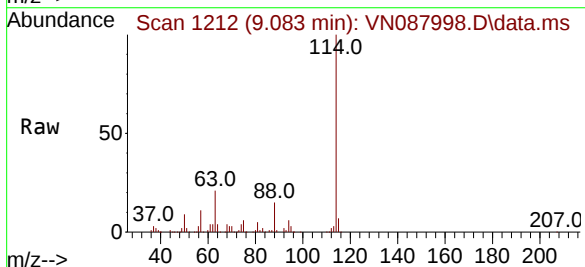
Tgt Ion: 114 Resp: 404931

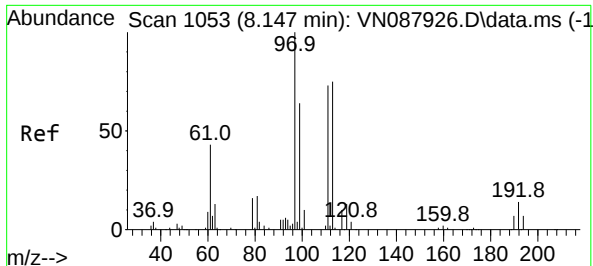
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.679 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

92625

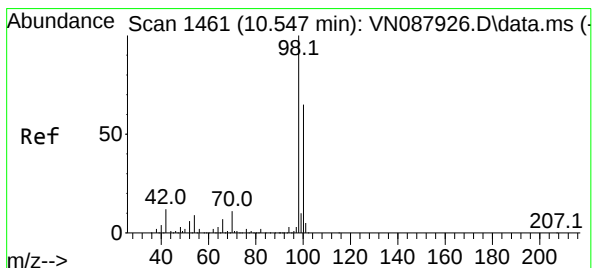
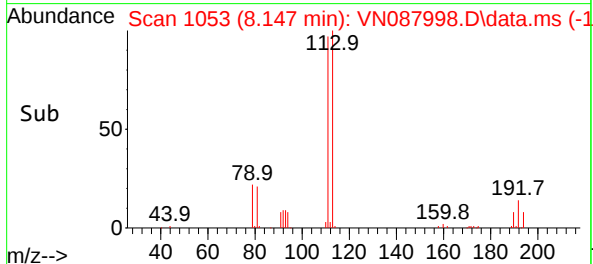
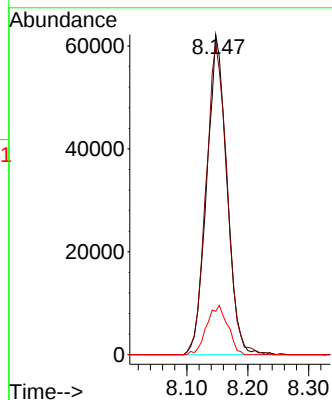
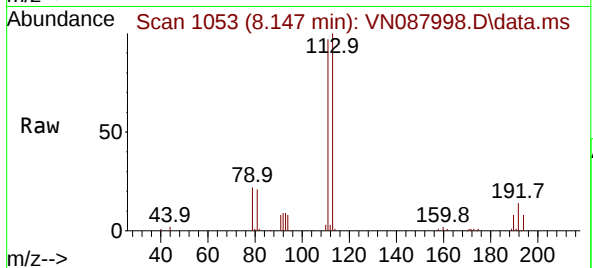
Tgt Ion:113 Resp: 143118

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 16.2 14.2 21.2



#50

Toluene-d8

Concen: 44.164 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087998.D

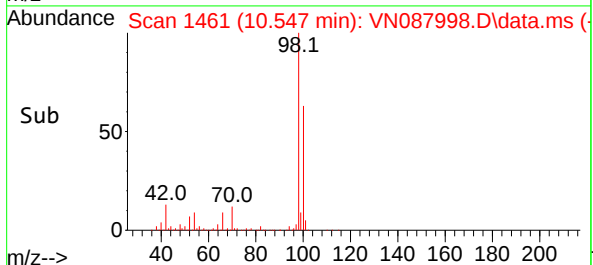
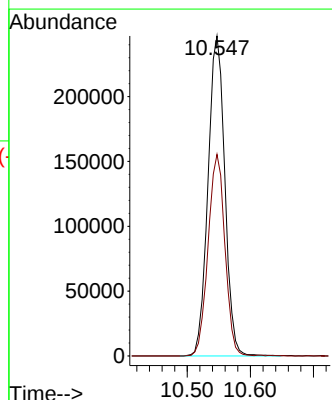
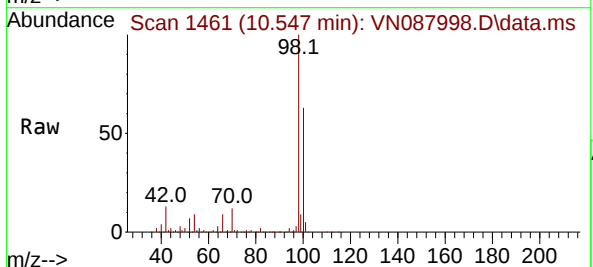
Acq: 30 Sep 2025 15:09

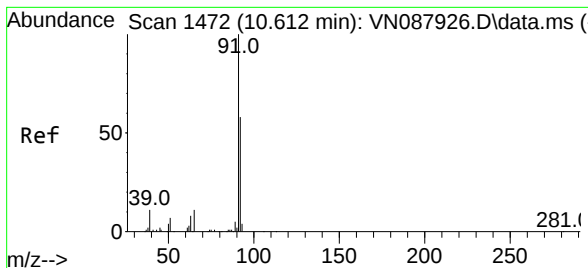
Tgt Ion: 98 Resp: 456609

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5





#52

Toluene

Concen: 1.158 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

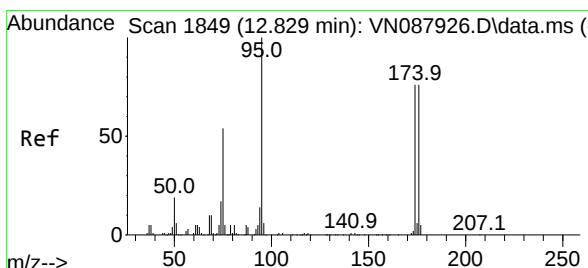
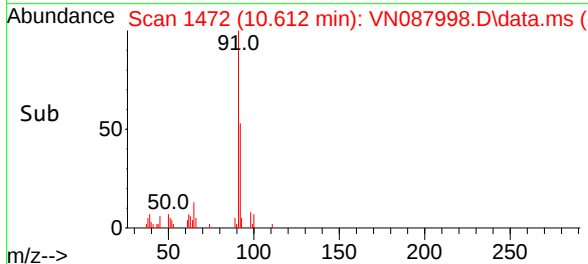
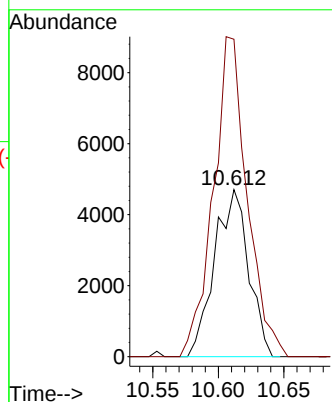
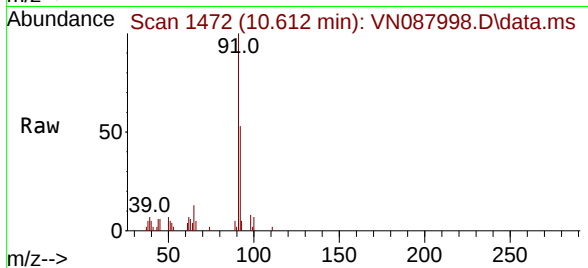
92625

Tgt Ion: 92 Resp: 8504

Ion Ratio Lower Upper

92 100

91 189.9 138.2 207.2



#62

4-Bromofluorobenzene

Concen: 41.853 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087998.D

Acq: 30 Sep 2025 15:09

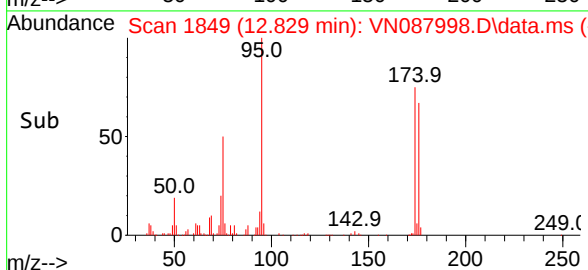
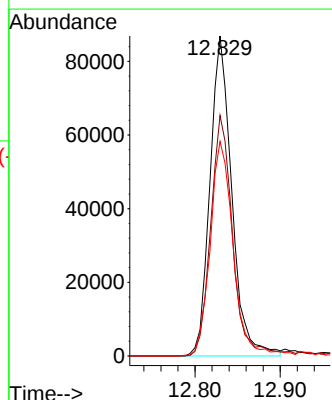
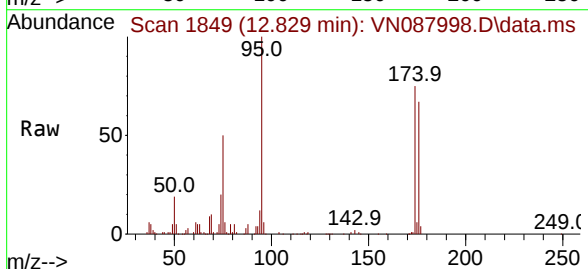
Tgt Ion: 95 Resp: 154671

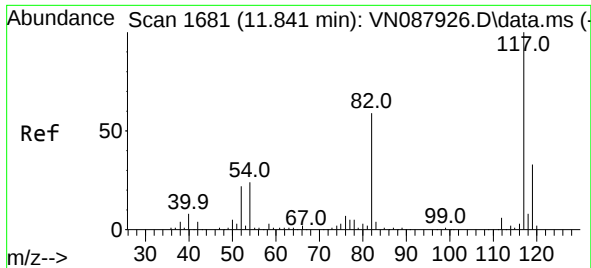
Ion Ratio Lower Upper

95 100

174 76.7 0.0 159.2

176 70.7 0.0 152.6

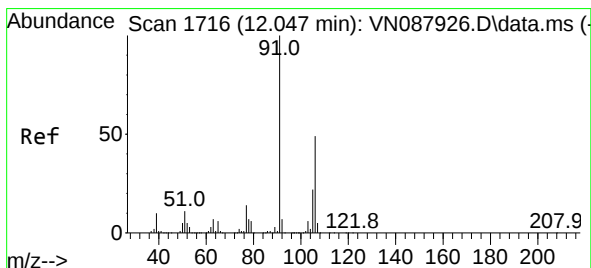
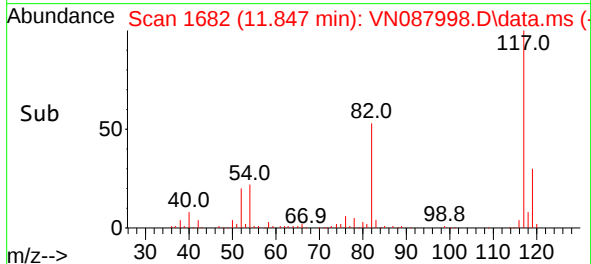
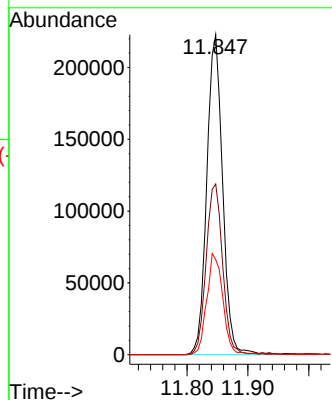
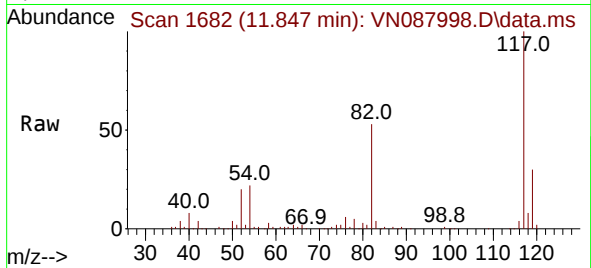




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

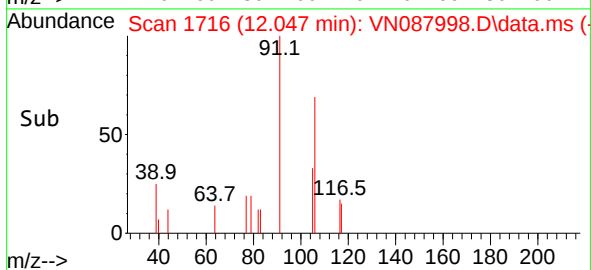
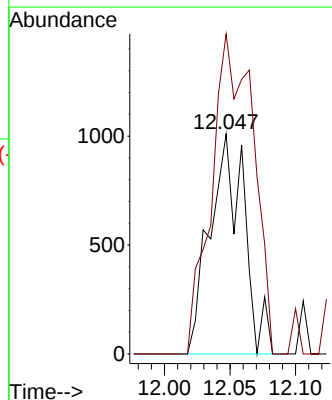
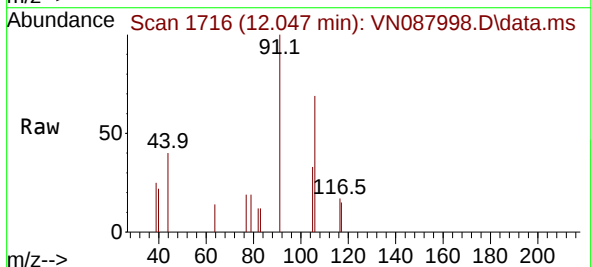
Instrument :
MSVOA_N
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92625

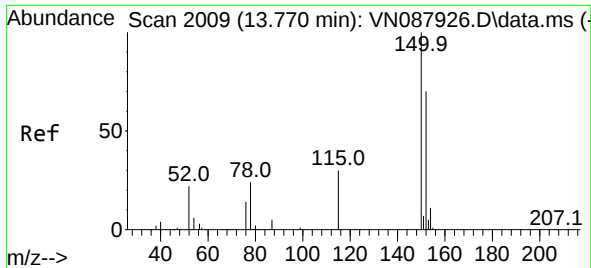
Tgt Ion:117 Resp: 402843
Ion Ratio Lower Upper
117 100
82 53.4 47.0 70.4
119 29.7 26.1 39.1



#68
m/p-Xylenes
Concen: 0.334 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087998.D
Acq: 30 Sep 2025 15:09

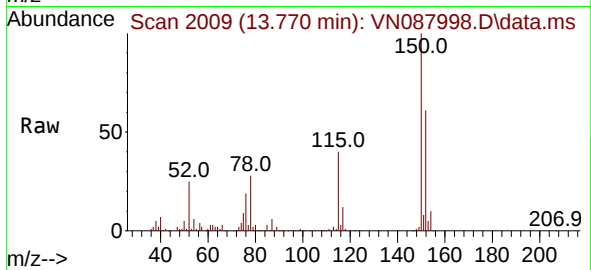
Tgt Ion:106 Resp: 1830
Ion Ratio Lower Upper
106 100
91 177.0 162.9 244.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087998.D
 Acq: 30 Sep 2025 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 92625



Tgt Ion:152 Resp: 180367
 Ion Ratio Lower Upper
 152 100
 115 62.7 29.9 89.7
 150 160.1 0.0 335.0

