

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086057.D
 Acq On : 21 Mar 2025 22:07
 Operator : JC\MD
 Sample : Q1606-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR251346

Quant Time: Mar 21 23:06:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

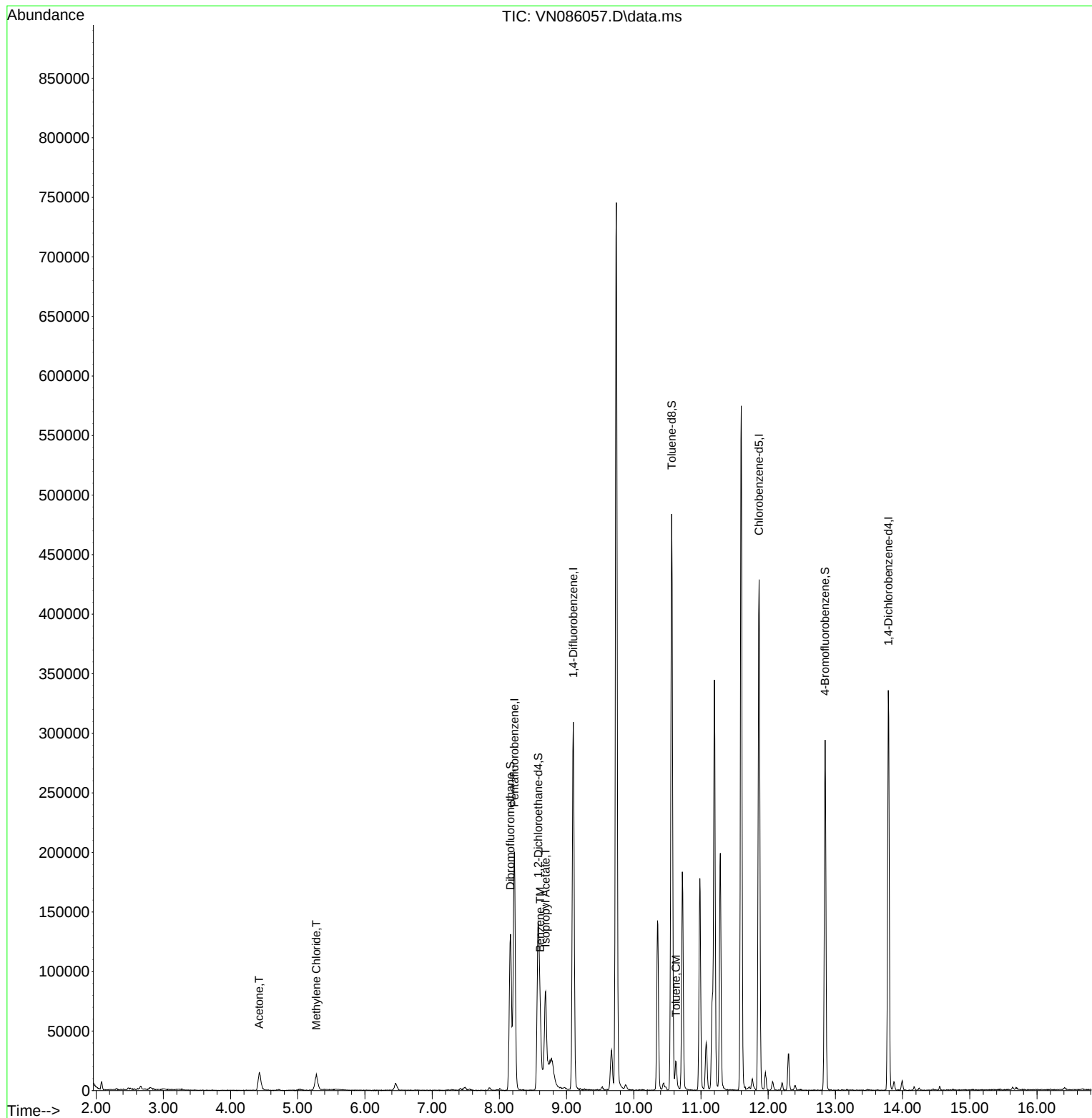
Internal Standards						
1) Pentafluorobenzene	8.224	168	139512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112974	59.137	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.280%
35) Dibromofluoromethane	8.165	113	94141	50.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	10.565	98	344230	50.933	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.860%
62) 4-Bromofluorobenzene	12.847	95	101527	42.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.240%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	27813	47.654	ug/l	92
20) Methylene Chloride	5.277	84	10215	5.983	ug/l	89
40) Benzene	8.606	78	63758	8.283	ug/l	99
43) Isopropyl Acetate	8.688	43	108487	24.201	ug/l #	78
52) Toluene	10.629	92	10832	2.293	ug/l	95

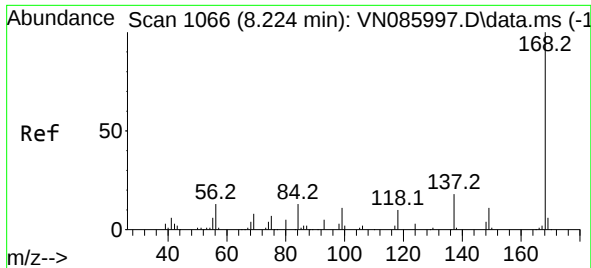
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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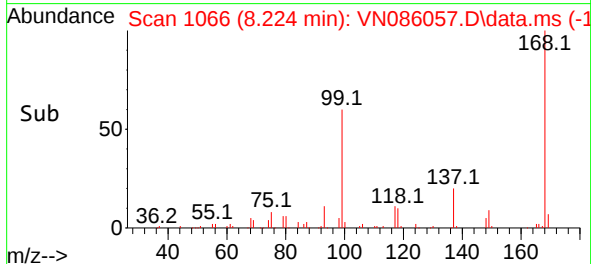
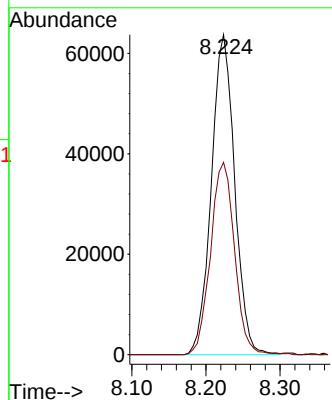
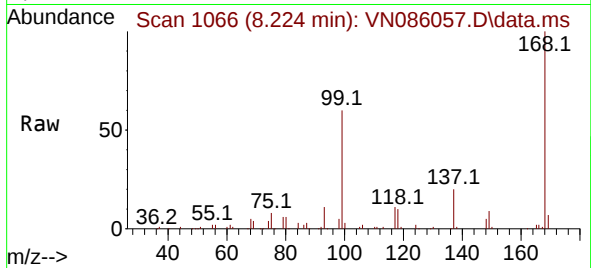




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

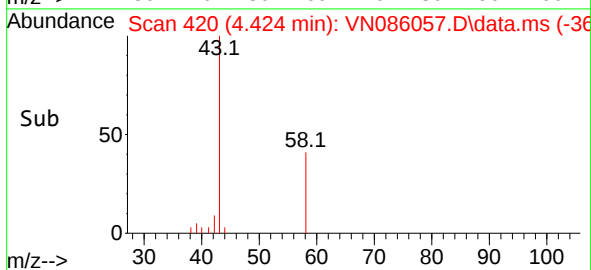
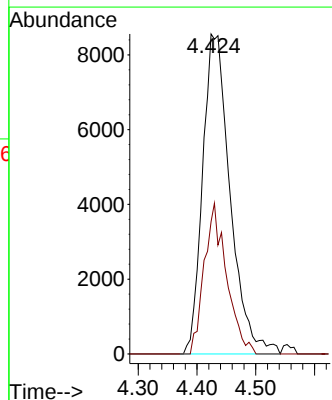
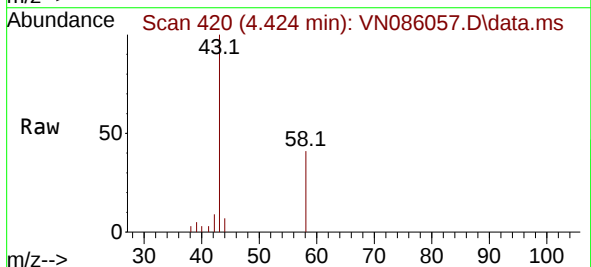
Instrument :
MSVOA_N
ClientSampleId :
RBR251346

Tgt Ion:168 Resp: 139512
Ion Ratio Lower Upper
168 100
99 60.1 49.4 74.2



#16
Acetone
Concen: 47.654 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

Tgt Ion: 43 Resp: 27813
Ion Ratio Lower Upper
43 100
58 41.4 29.4 44.2

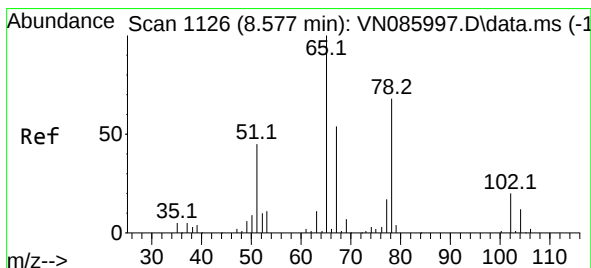
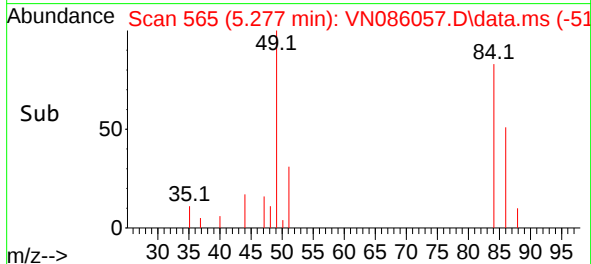
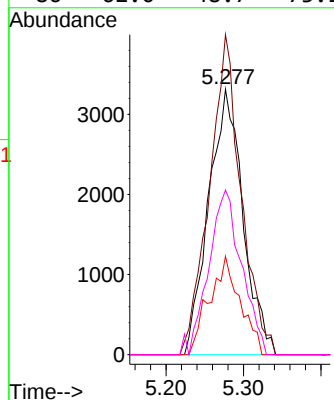
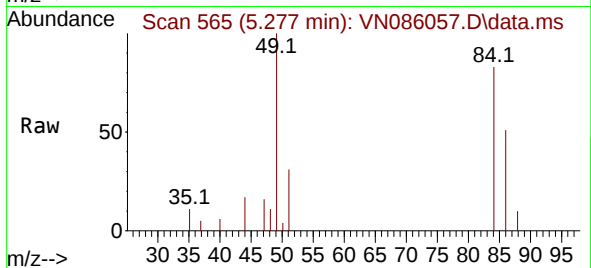




#20
Methylene Chloride
Concen: 5.983 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

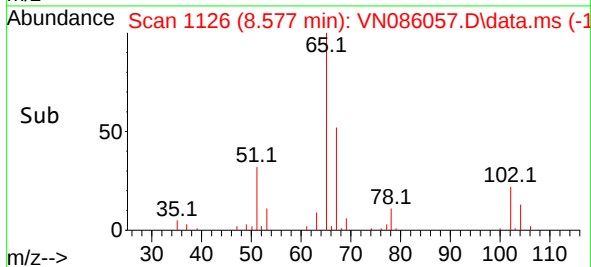
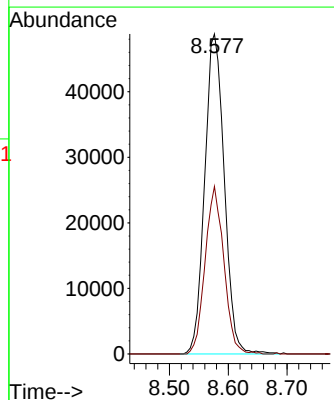
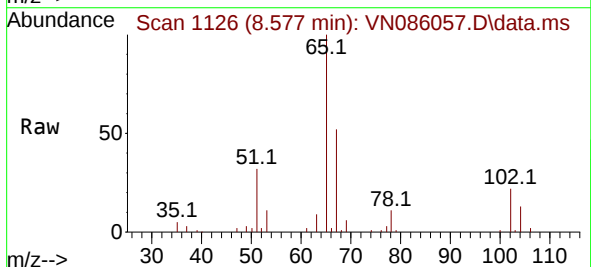
Instrument :
MSVOA_N
ClientSampleId :
RBR251346

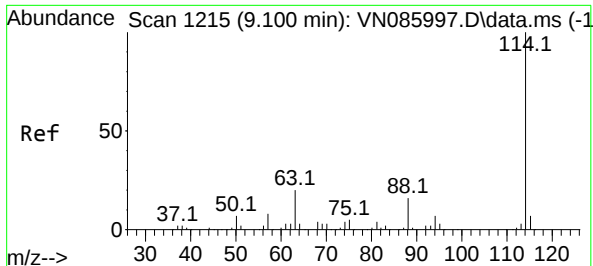
Tgt Ion: 84	Resp: 10215
Ion Ratio	Lower Upper
84 100	
49 120.5	83.3 124.9
51 37.1	24.8 37.2
86 62.0	48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 59.137 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

Tgt Ion: 65	Resp: 112974
Ion Ratio	Lower Upper
65 100	
67 50.2	0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086057.D

Acq: 21 Mar 2025 22:07

Instrument :

MSVOA_N

ClientSampleId :

RBR251346

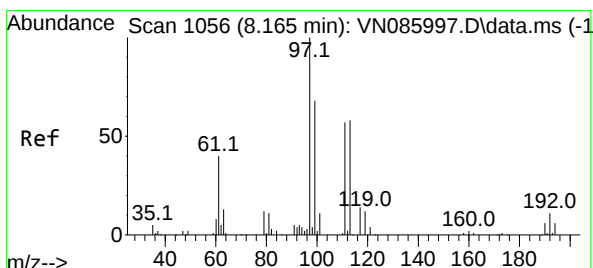
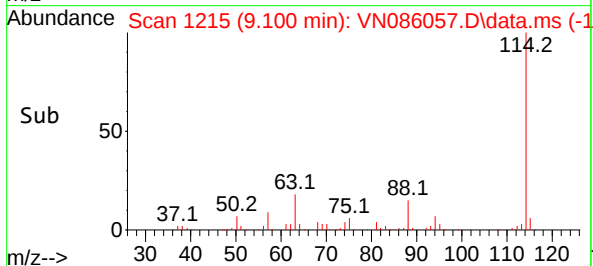
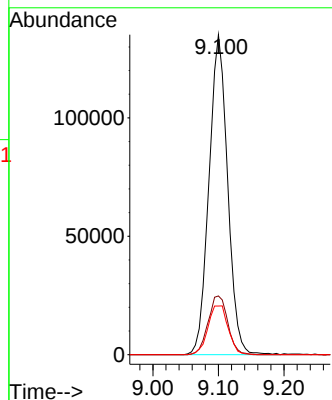
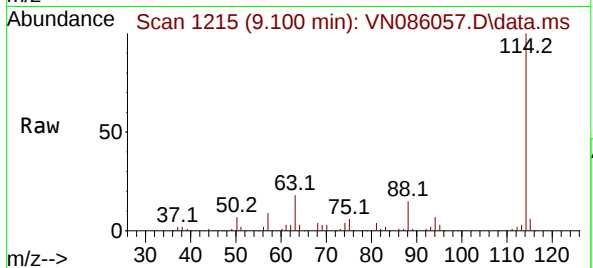
Tgt Ion:114 Resp: 266795

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.554 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086057.D

Acq: 21 Mar 2025 22:07

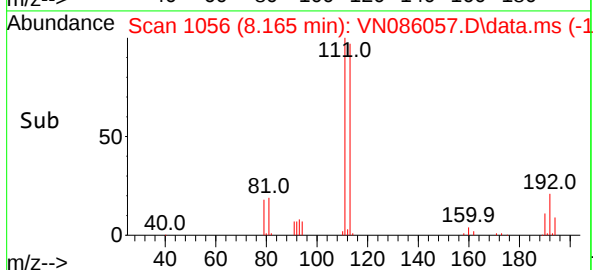
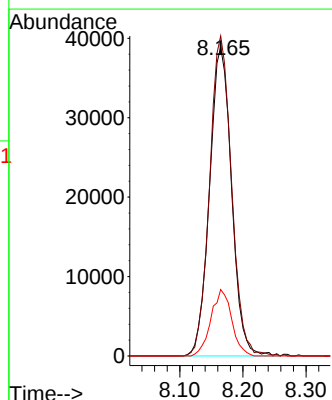
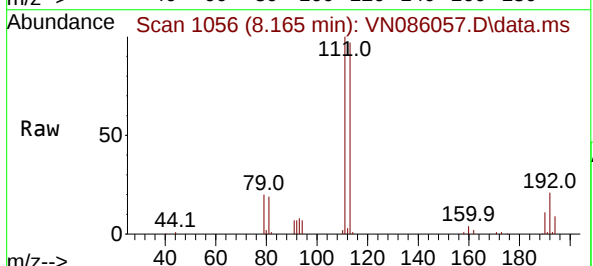
Tgt Ion:113 Resp: 94141

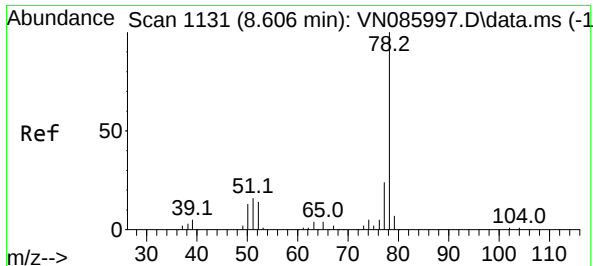
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 20.3 15.9 23.9

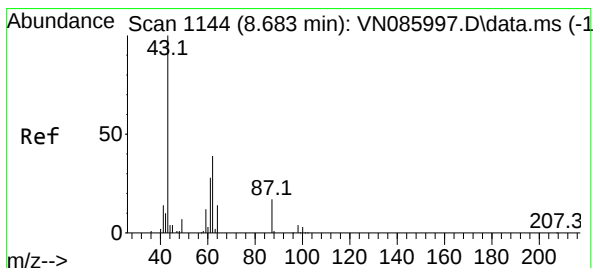
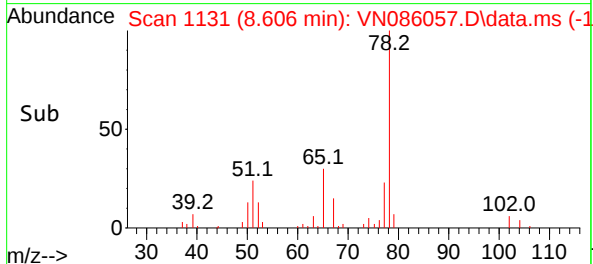
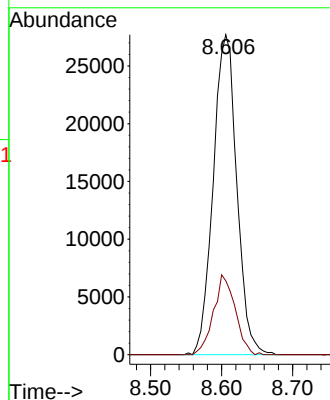
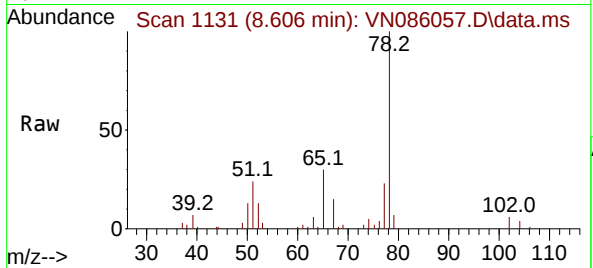




#40
Benzene
Concen: 8.283 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

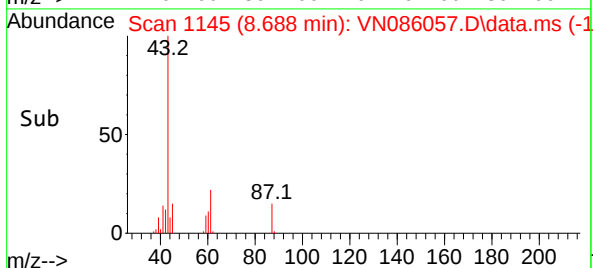
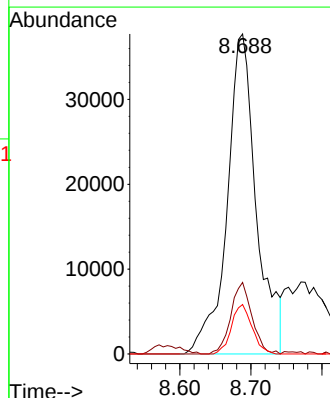
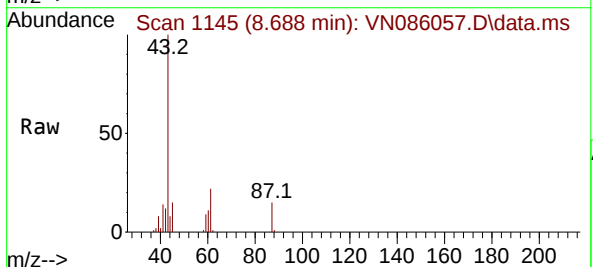
Instrument :
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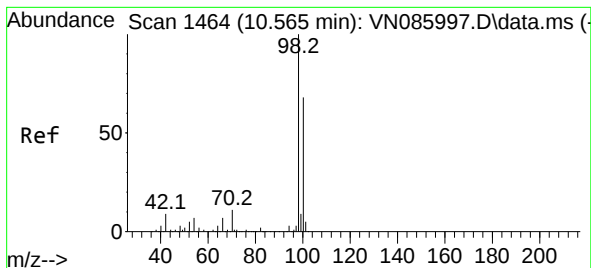
Tgt Ion: 78 Resp: 63758
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3



#43
Isopropyl Acetate
Concen: 24.201 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

Tgt Ion: 43 Resp: 108487
Ion Ratio Lower Upper
43 100
61 16.1 25.0 37.6#
87 10.9 13.0 19.4#





#50

Toluene-d8

Concen: 50.933 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086057.D

Acq: 21 Mar 2025 22:07

Instrument :

MSVOA_N

ClientSampleId :

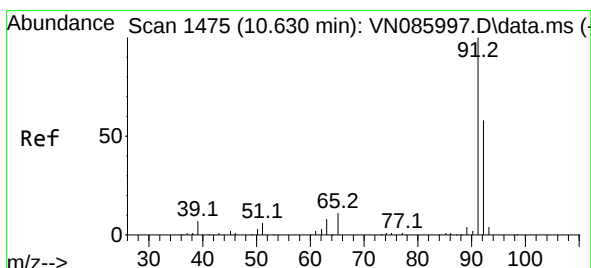
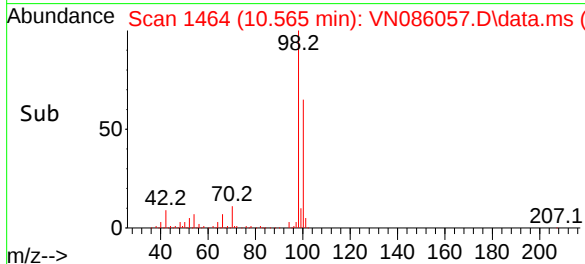
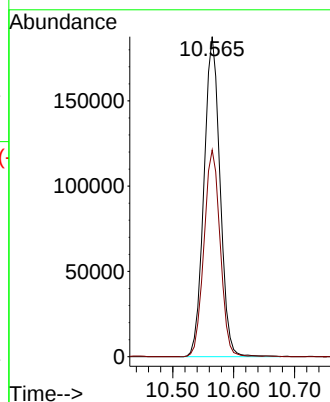
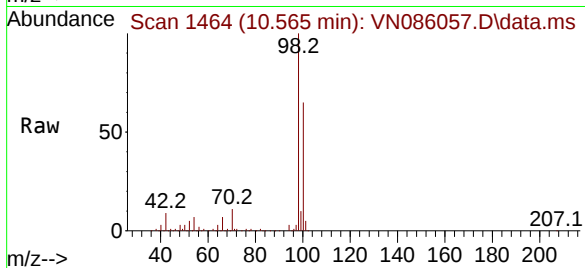
RBR251346

Tgt Ion: 98 Resp: 344230

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7



#52

Toluene

Concen: 2.293 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086057.D

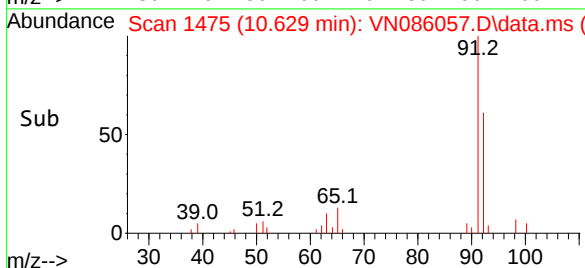
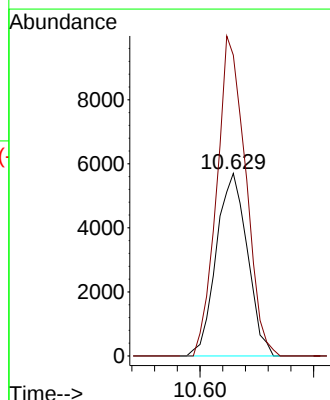
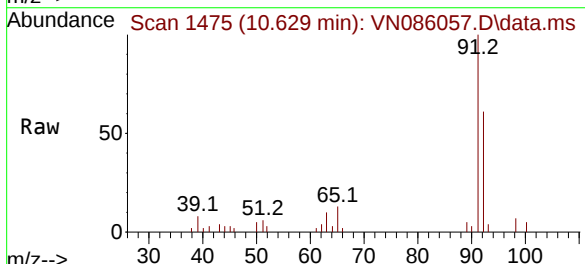
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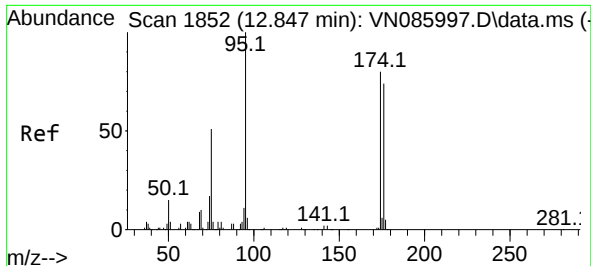
Tgt Ion: 92 Resp: 10832

Ion Ratio Lower Upper

92 100

91 163.2 136.2 204.4

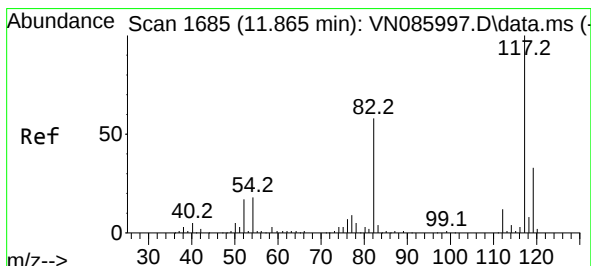
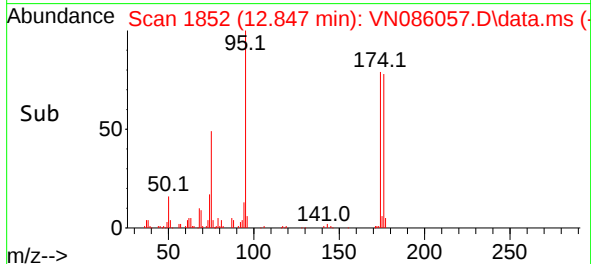
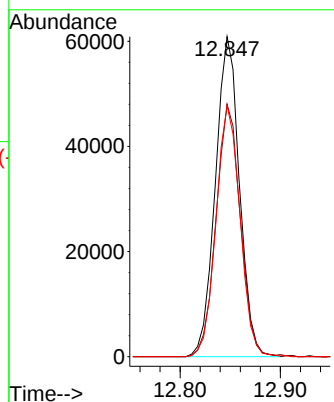
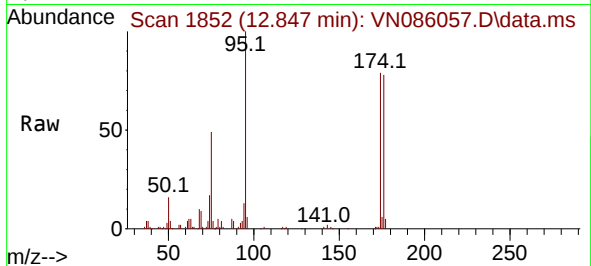




#62
4-Bromofluorobenzene
Concen: 42.123 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

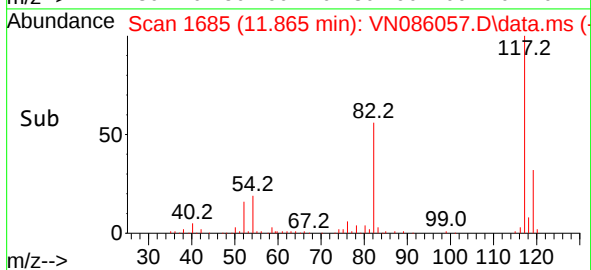
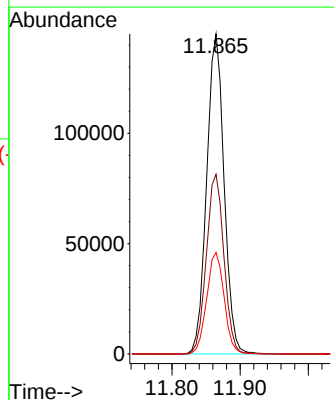
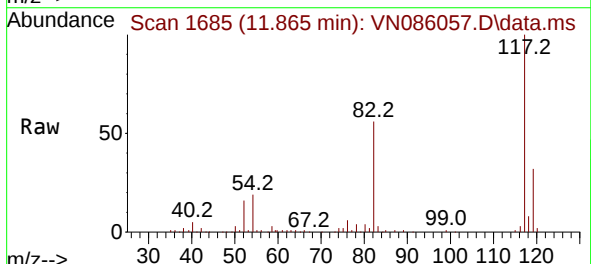
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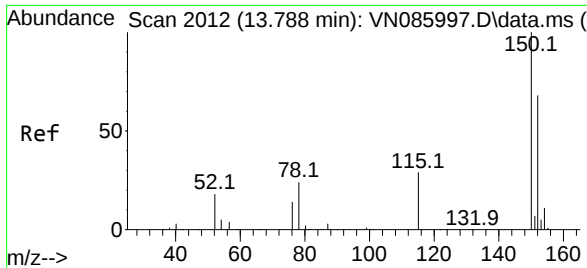
Tgt Ion: 95 Resp: 101527
Ion Ratio Lower Upper
95 100
174 79.6 0.0 156.8
176 78.2 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086057.D
Acq: 21 Mar 2025 22:07

Tgt Ion: 117 Resp: 257663
Ion Ratio Lower Upper
117 100
82 56.2 46.7 70.1
119 31.7 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086057.D
 Acq: 21 Mar 2025 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR251346

Tgt Ion:152 Resp: 95635
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.1 93.2
 150 156.0 0.0 359.6

