

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086058.D
 Acq On : 21 Mar 2025 22:31
 Operator : JC\MD
 Sample : Q1606-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT4534

Quant Time: Mar 21 23:59:16 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)

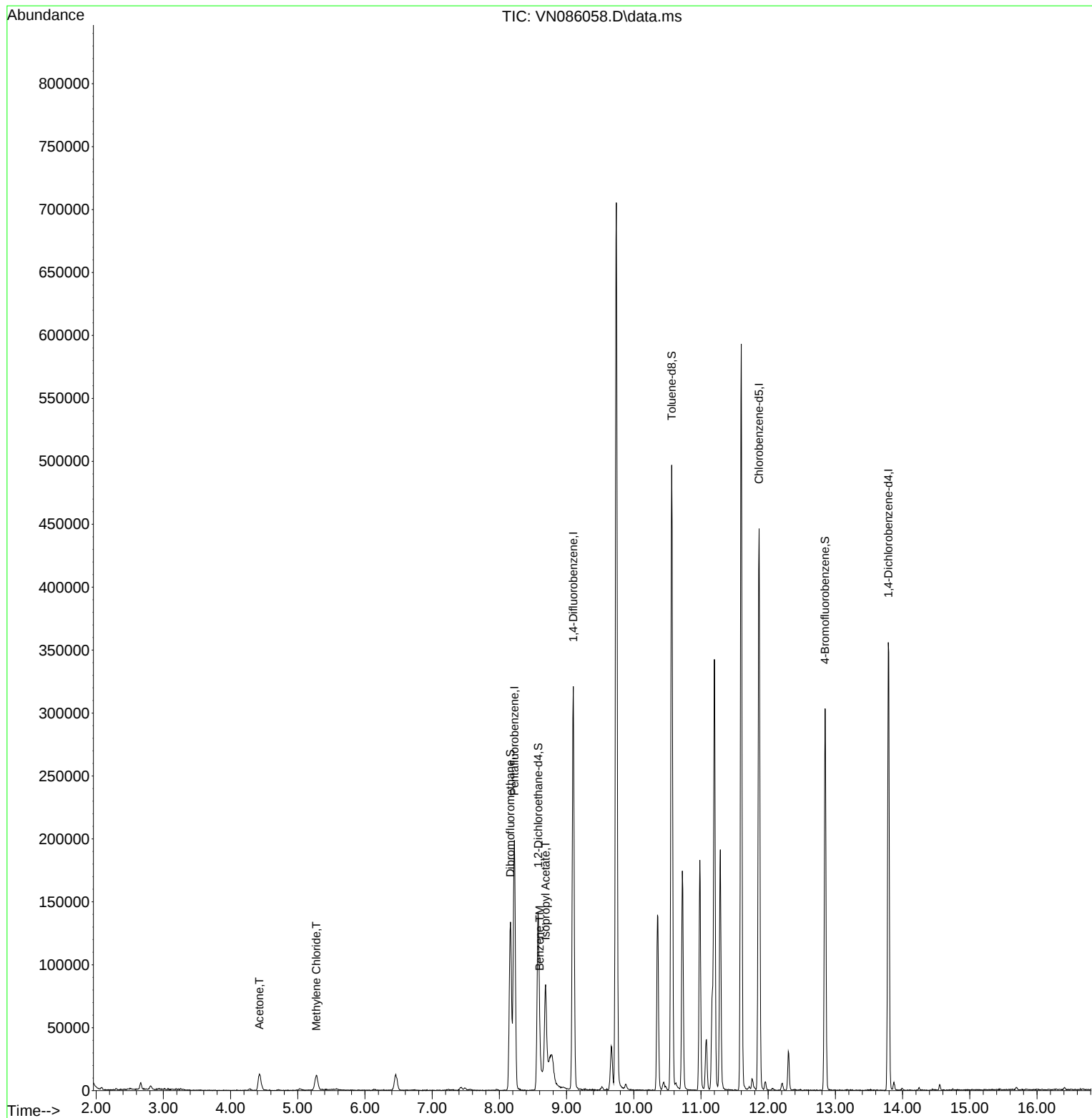
Internal Standards						
1) Pentafluorobenzene	8.224	168	142558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114028	58.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.820%
35) Dibromofluoromethane	8.165	113	97734	50.993	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.980%
50) Toluene-d8	10.565	98	350213	50.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.847	95	105995	42.727	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.460%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	25576	42.885	ug/l	99
20) Methylene Chloride	5.277	84	9624	5.516	ug/l	96
40) Benzene	8.600	78	24237	3.059	ug/l	97
43) Isopropyl Acetate	8.688	43	100243	21.727	ug/l #	80

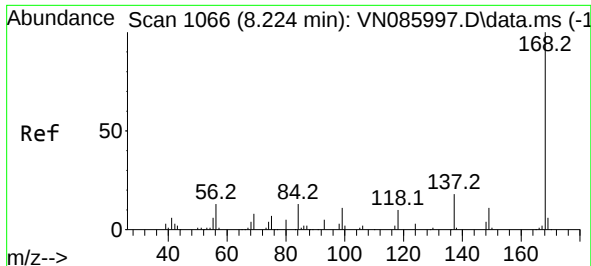
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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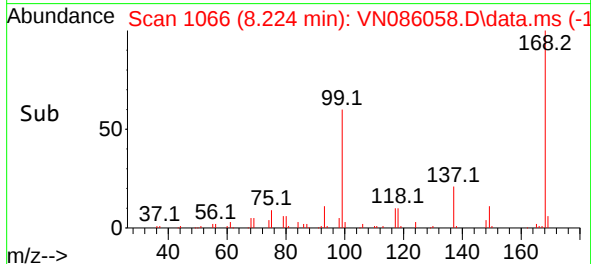
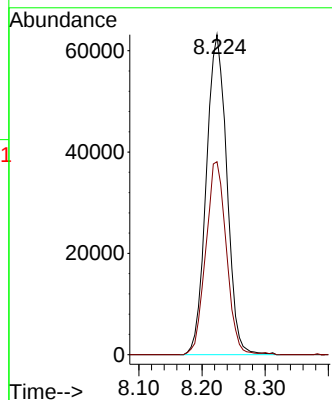
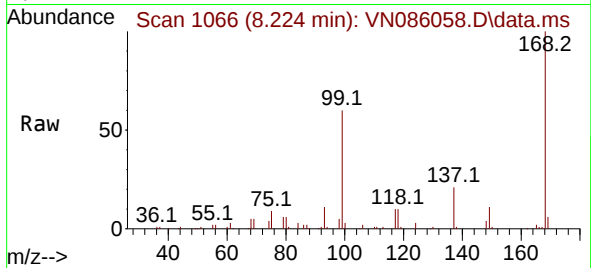




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

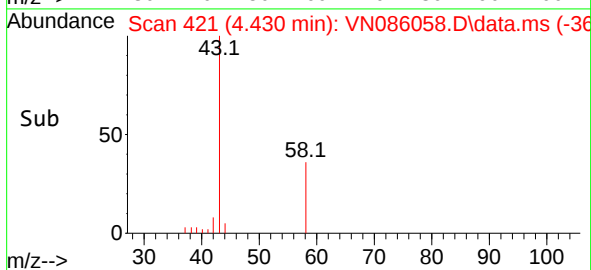
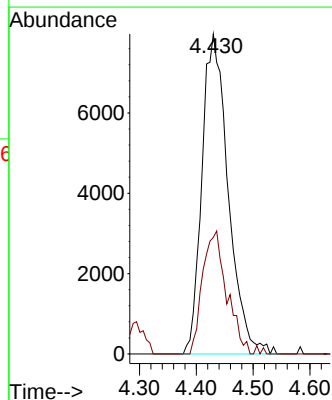
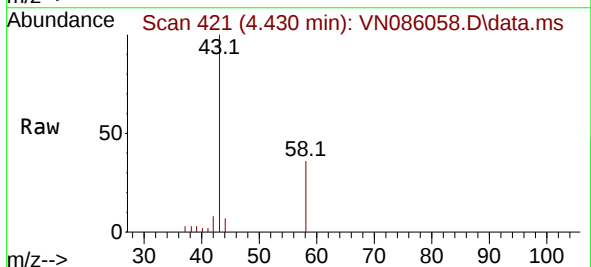
Instrument :
MSVOA_N
ClientSampleId :
RT4534

Tgt Ion:168 Resp: 142558
Ion Ratio Lower Upper
168 100
99 60.3 49.4 74.2



#16
Acetone
Concen: 42.885 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

Tgt Ion: 43 Resp: 25576
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.2

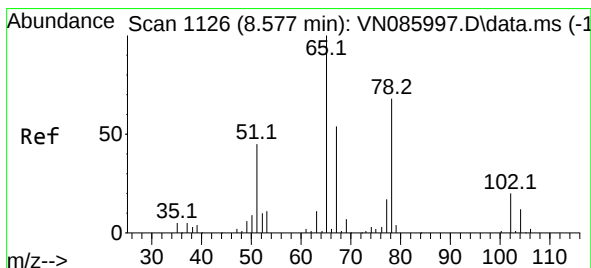
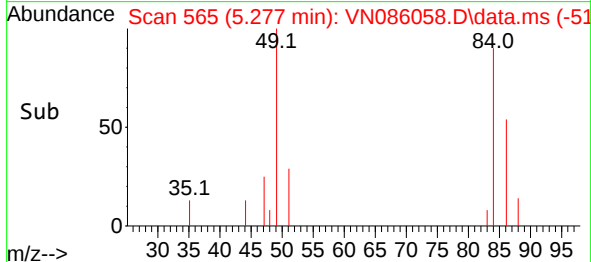
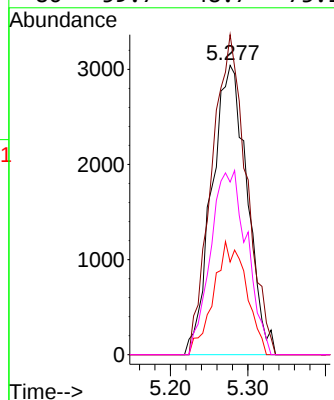
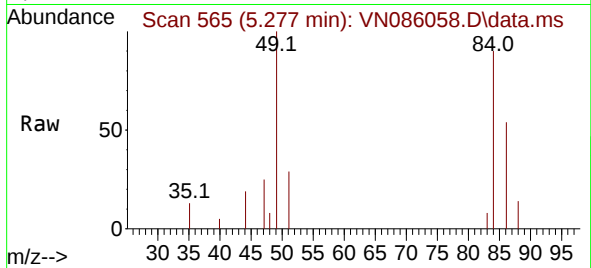




#20
Methylene Chloride
Concen: 5.516 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

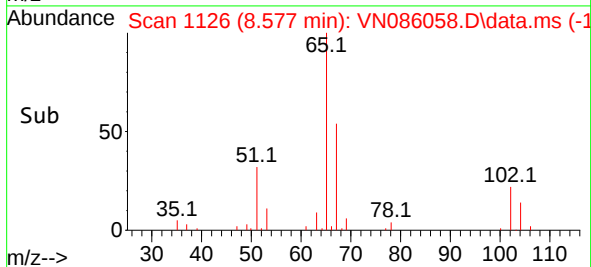
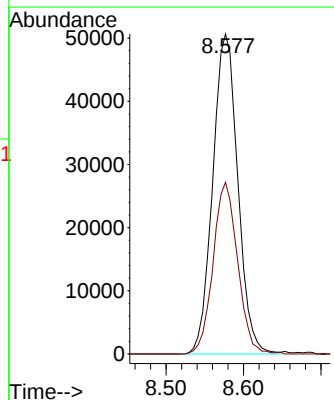
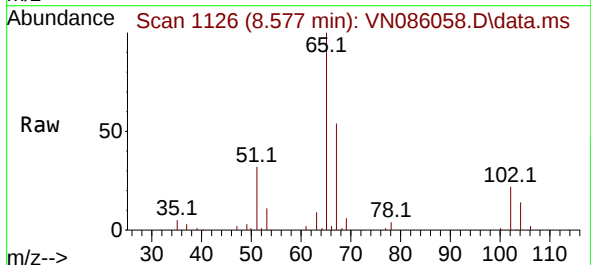
Instrument :
MSVOA_N
ClientSampleId :
RT4534

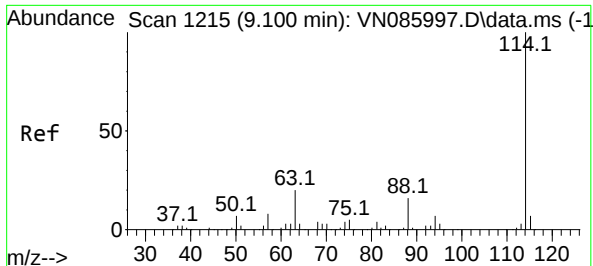
Tgt Ion: 84	Resp: 9624
Ion Ratio	Lower Upper
84 100	
49 110.6	83.3 124.9
51 32.1	24.8 37.2
86 59.7	48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 58.413 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

Tgt Ion: 65	Resp: 114028
Ion Ratio	Lower Upper
65 100	
67 52.4	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: VN086058.D

Acq: 21 Mar 2025 22:31

Instrument :

MSVOA_N

ClientSampleId :

RT4534

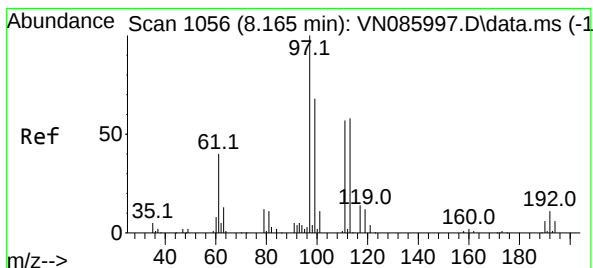
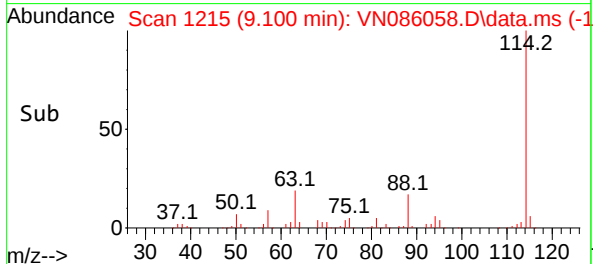
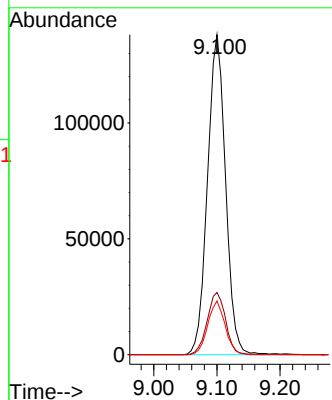
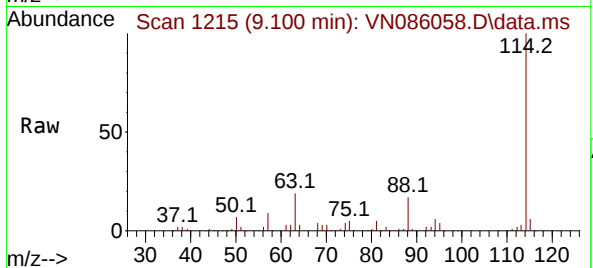
Tgt Ion:114 Resp: 274594

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.993 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086058.D

Acq: 21 Mar 2025 22:31

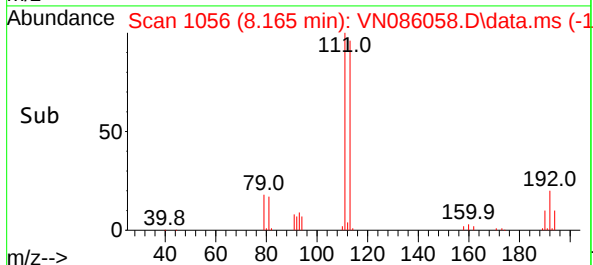
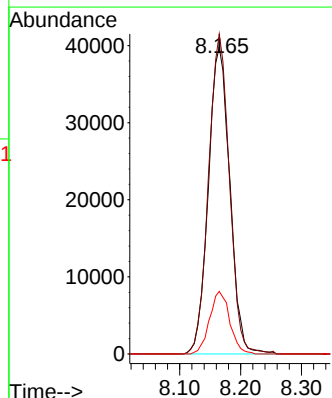
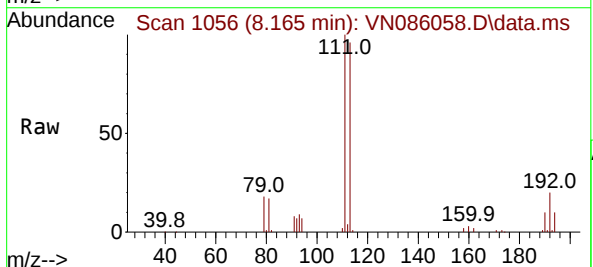
Tgt Ion:113 Resp: 97734

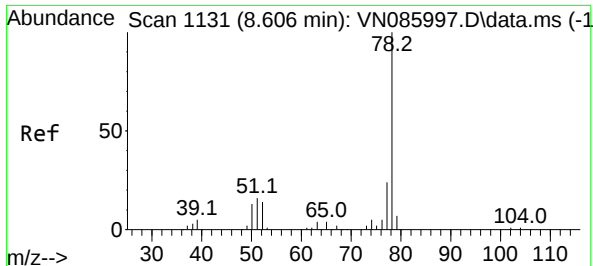
Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

192 19.1 15.9 23.9





#40

Benzene

Concen: 3.059 ug/l

RT: 8.600 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN086058.D

Acq: 21 Mar 2025 22:31

Instrument :

MSVOA_N

ClientSampleId :

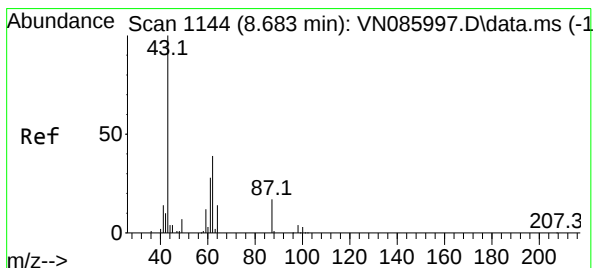
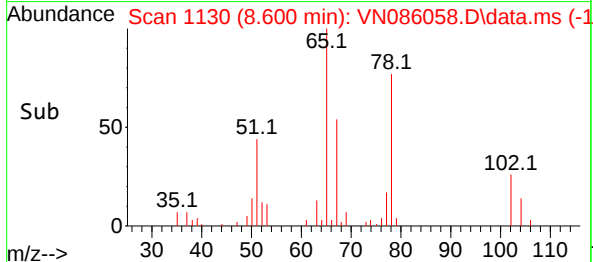
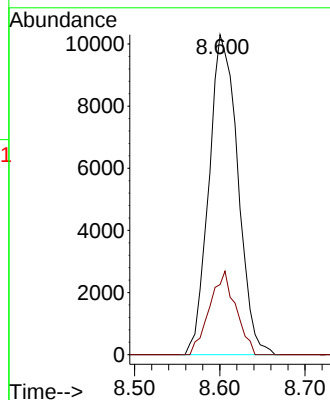
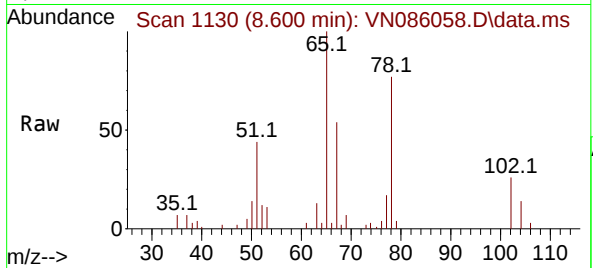
RT4534

Tgt Ion: 78 Resp: 24237

Ion Ratio Lower Upper

78 100

77 21.9 18.9 28.3



#43

Isopropyl Acetate

Concen: 21.727 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086058.D

Acq: 21 Mar 2025 22:31

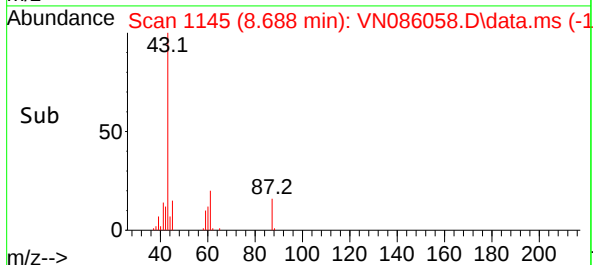
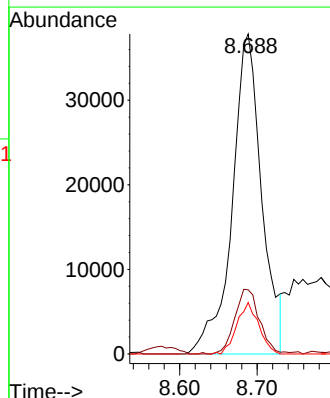
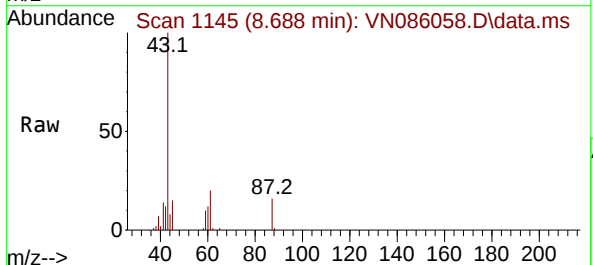
Tgt Ion: 43 Resp: 100243

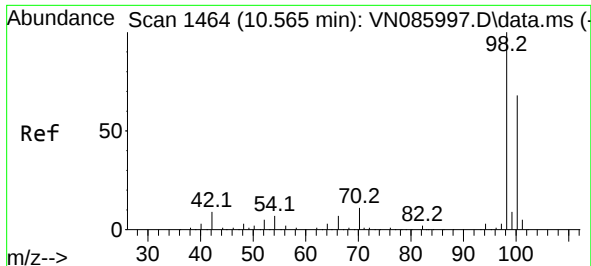
Ion Ratio Lower Upper

43 100

61 17.2 25.0 37.6#

87 11.9 13.0 19.4#

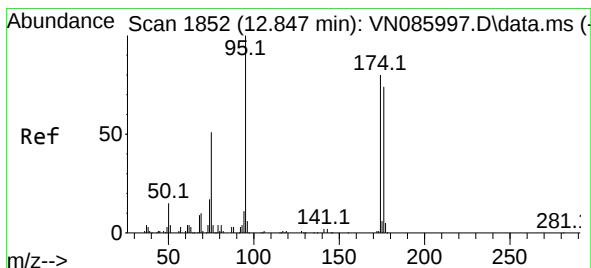
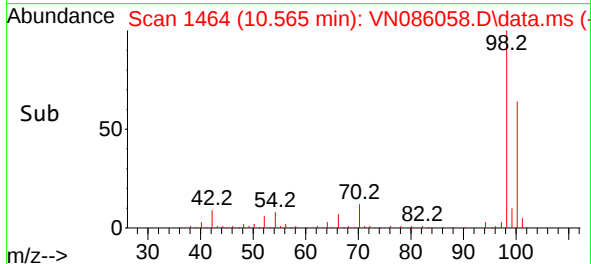
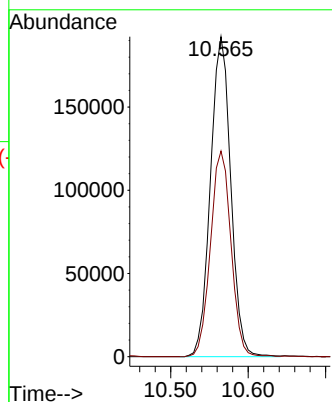
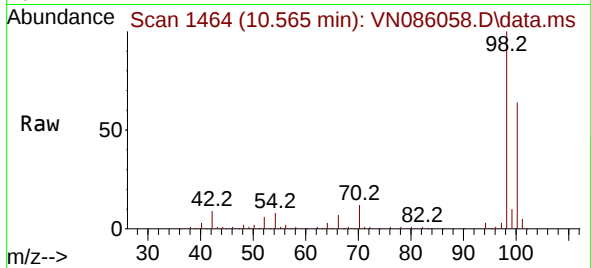




#50
Toluene-d8
Concen: 50.347 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

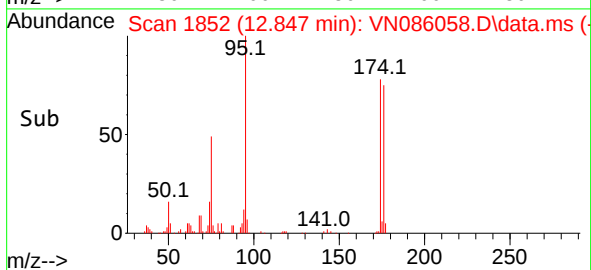
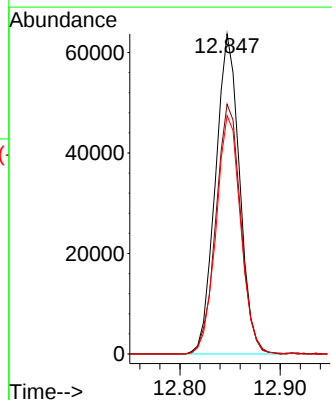
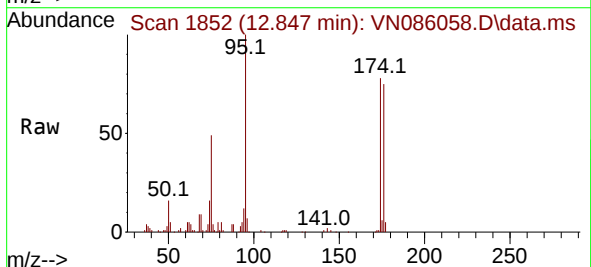
Instrument :
MSVOA_N
ClientSampleId :
RT4534

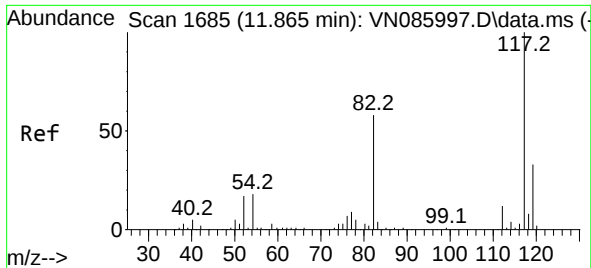
Tgt Ion: 98 Resp: 350213
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 42.727 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

Tgt Ion: 95 Resp: 105995
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 76.1 0.0 152.2

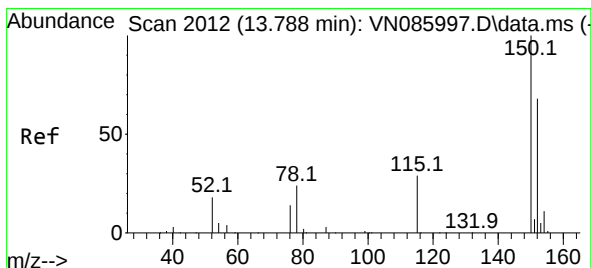
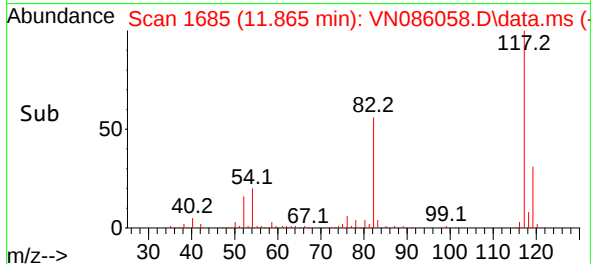
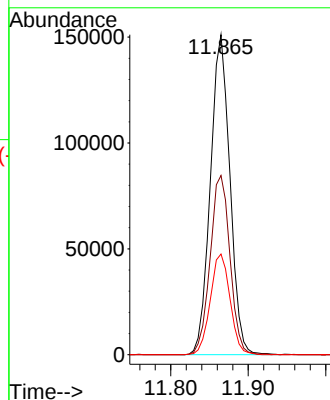
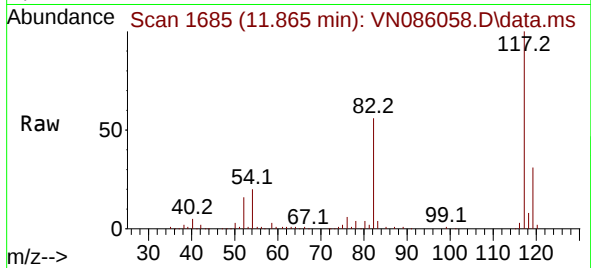




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

Instrument :
MSVOA_N
ClientSampleId :
RT4534

Tgt Ion:117 Resp: 264941
Ion Ratio Lower Upper
117 100
82 56.0 46.7 70.1
119 31.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086058.D
Acq: 21 Mar 2025 22:31

Tgt Ion:152 Resp: 101760
Ion Ratio Lower Upper
152 100
115 60.4 31.1 93.2
150 156.9 0.0 359.6

