

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087084.D
 Acq On : 18 Jun 2025 14:40
 Operator : JC\MD
 Sample : Q2341-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP-3

Quant Time: Jun 19 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

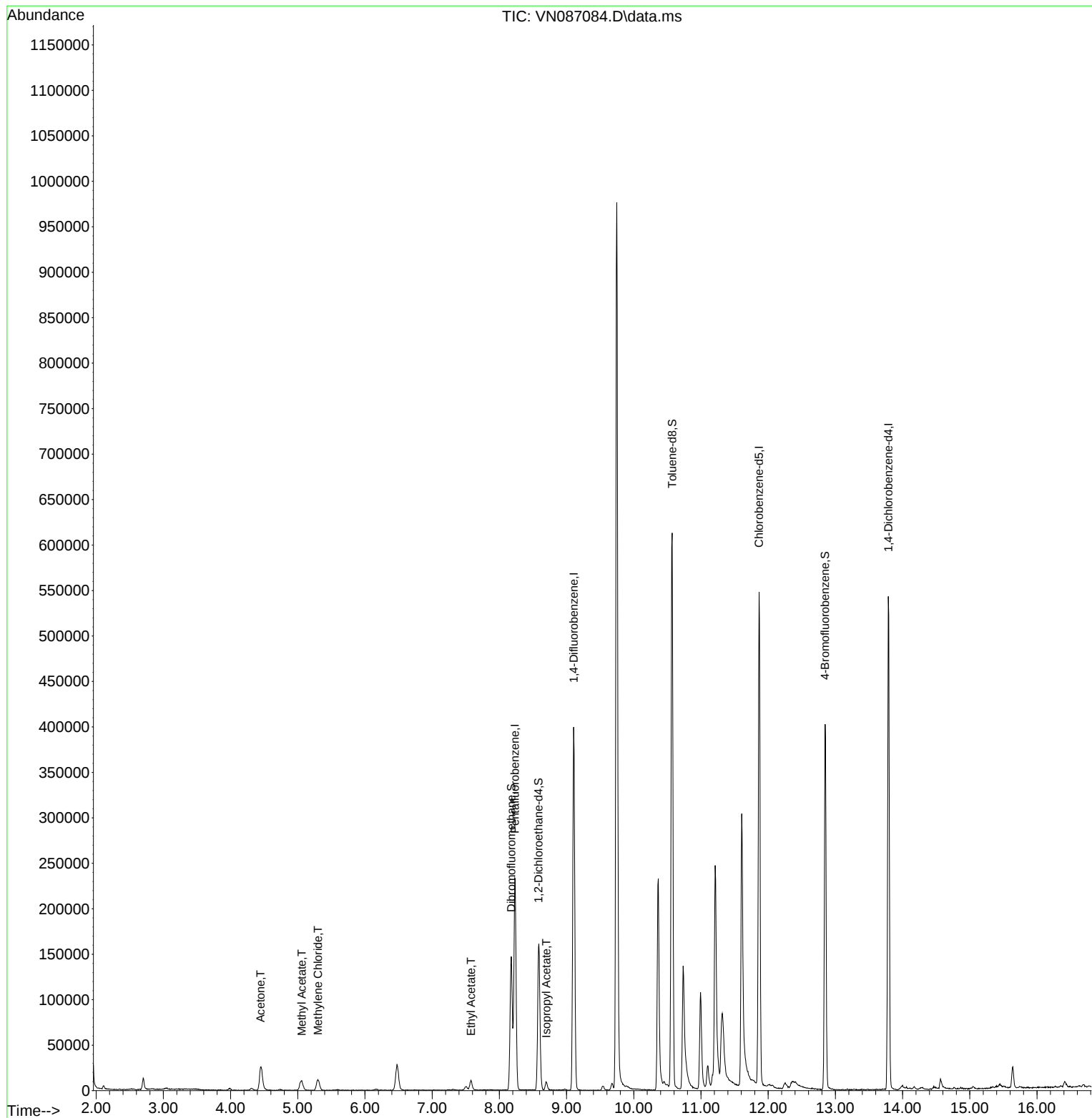
Internal Standards						
1) Pentafluorobenzene	8.230	168	184032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134248	54.484	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.960%
35) Dibromofluoromethane	8.177	113	113882	51.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.660%
50) Toluene-d8	10.571	98	462629	53.183	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.360%
62) 4-Bromofluorobenzene	12.847	95	164116	50.780	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.560%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	52512	40.188	ug/l	99
18) Methyl Acetate	5.059	43	24115	6.333	ug/l	98
20) Methylene Chloride	5.300	84	10540	4.309	ug/l #	94
37) Ethyl Acetate	7.577	43	16578	3.977	ug/l	98
43) Isopropyl Acetate	8.700	43	10343	1.546	ug/l	93

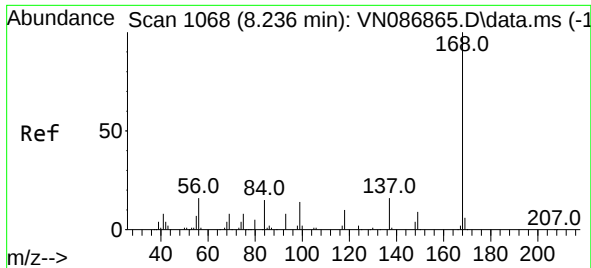
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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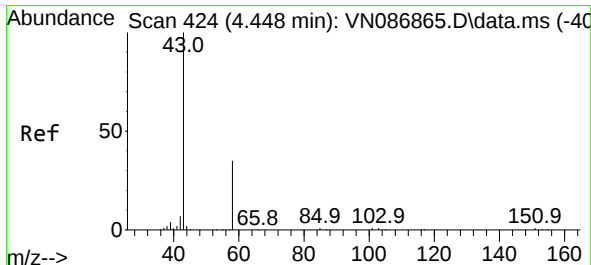
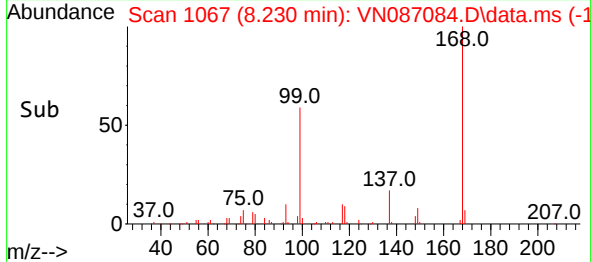
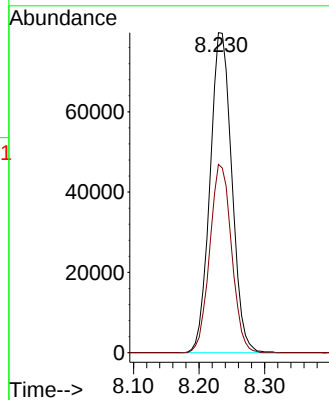
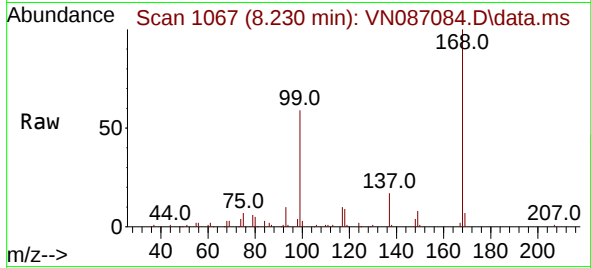




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

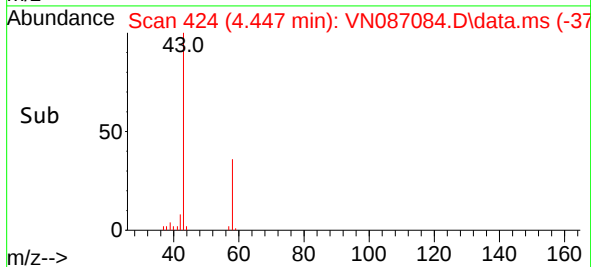
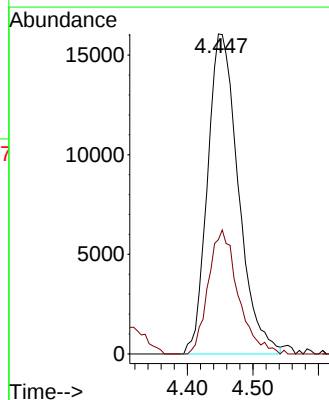
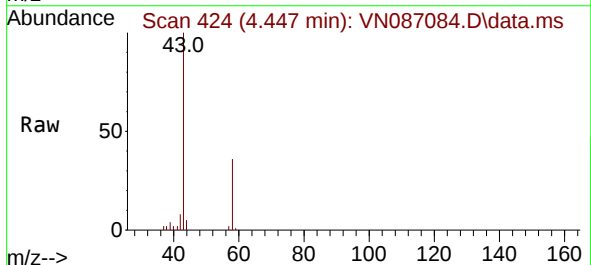
Instrument :
MSVOA_N
ClientSampleId :
EP-3

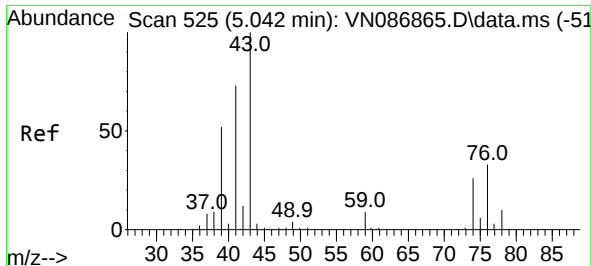
Tgt Ion:168 Resp: 184032
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#16
Acetone
Concen: 40.188 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

Tgt Ion: 43 Resp: 52512
Ion Ratio Lower Upper
43 100
58 35.8 28.0 42.0

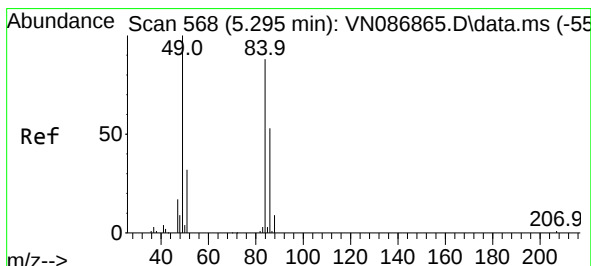
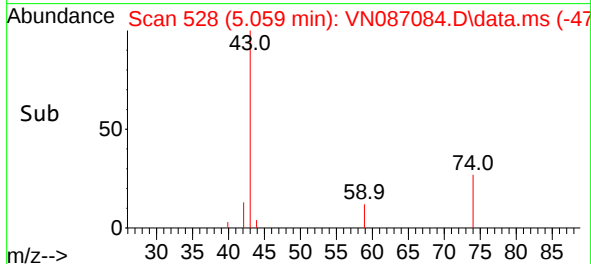
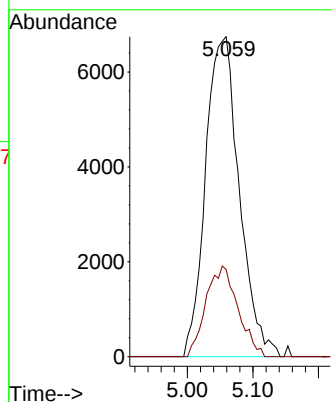
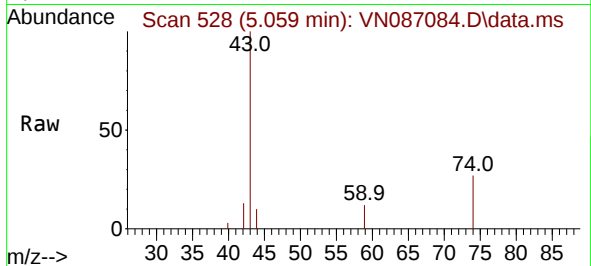




#18
Methyl Acetate
Concen: 6.333 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

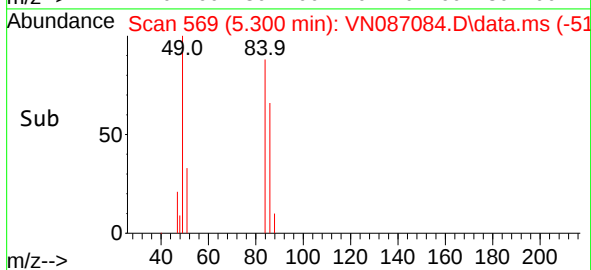
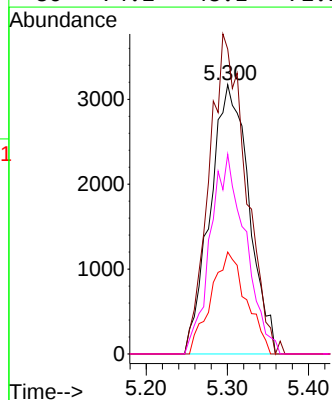
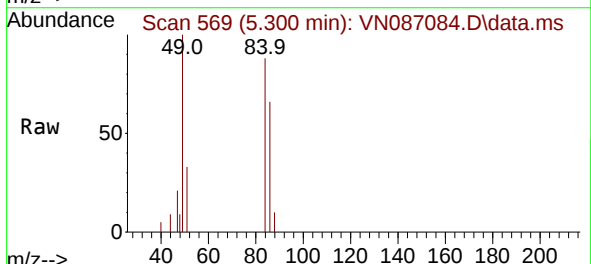
Instrument :
MSVOA_N
ClientSampleId :
EP-3

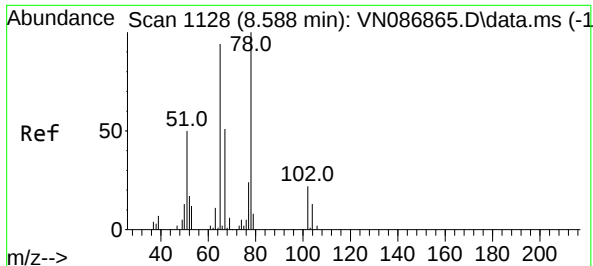
Tgt Ion: 43 Resp: 24115
Ion Ratio Lower Upper
43 100
74 26.8 20.7 31.1



#20
Methylene Chloride
Concen: 4.309 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

Tgt Ion: 84 Resp: 10540
Ion Ratio Lower Upper
84 100
49 113.2 90.5 135.7
51 37.9 28.5 42.7
86 74.2 48.1 72.1#





#33

1,2-Dichloroethane-d4

Concen: 54.484 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087084.D

Acq: 18 Jun 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

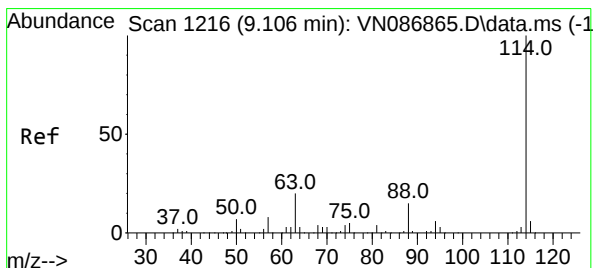
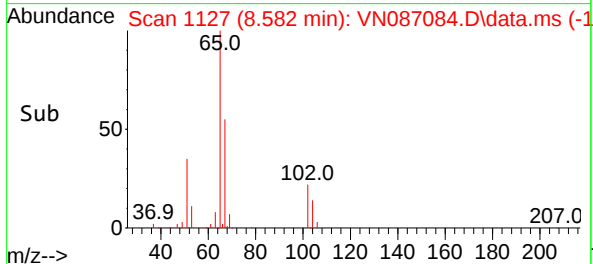
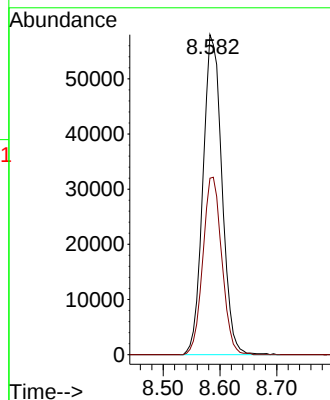
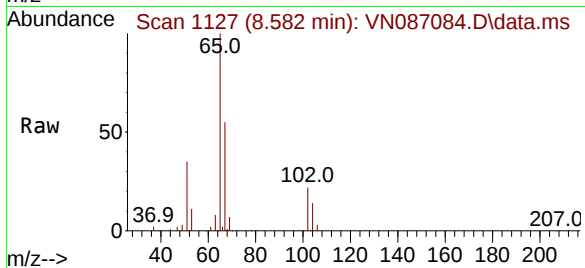
EP-3

Tgt Ion: 65 Resp: 134248

Ion Ratio Lower Upper

65 100

67 55.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087084.D

Acq: 18 Jun 2025 14:40

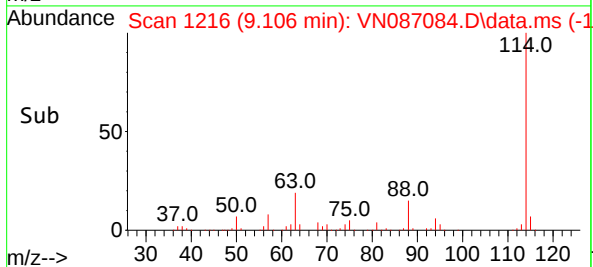
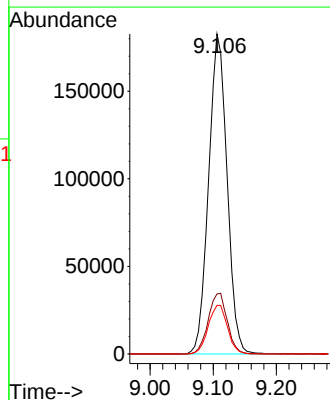
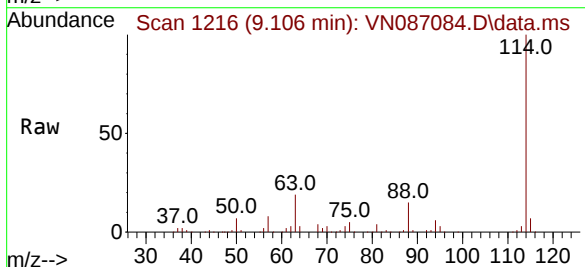
Tgt Ion: 114 Resp: 370790

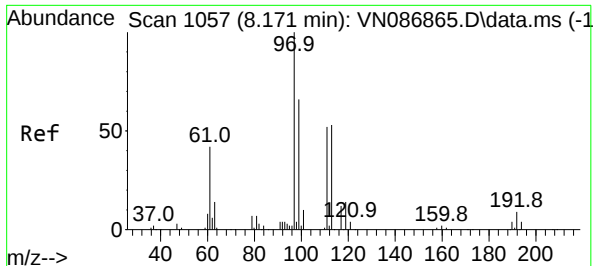
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.826 ug/l

RT: 8.177 min Scan# 113

Delta R.T. 0.006 min

Lab File: VN087084.D

Acq: 18 Jun 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :

EP-3

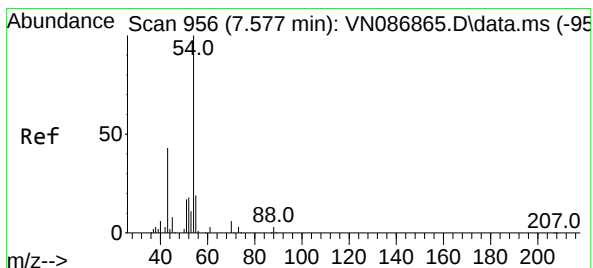
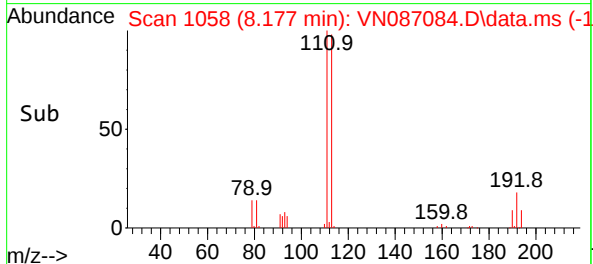
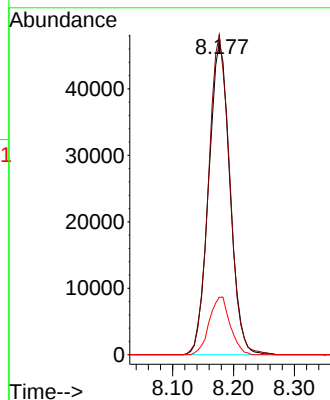
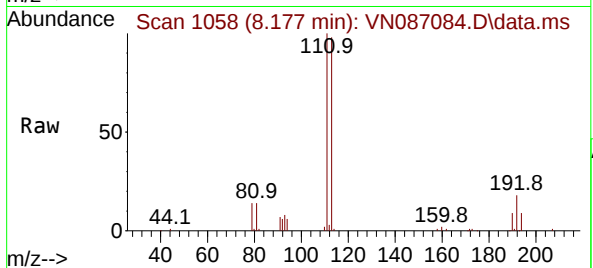
Tgt Ion:113 Resp: 113882

Ion Ratio Lower Upper

113 100

111 102.0 84.2 126.2

192 18.1 14.2 21.4



#37

Ethyl Acetate

Concen: 3.977 ug/l

RT: 7.577 min Scan# 956

Delta R.T. -0.000 min

Lab File: VN087084.D

Acq: 18 Jun 2025 14:40

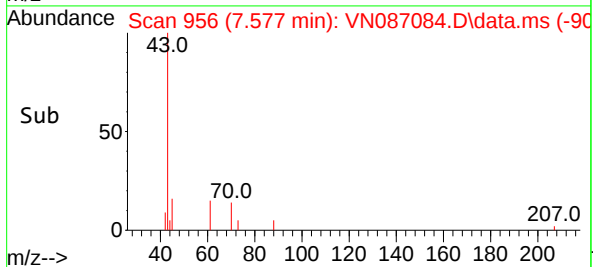
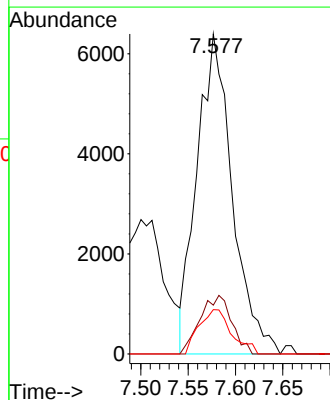
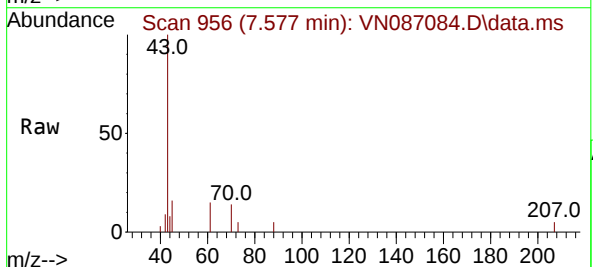
Tgt Ion: 43 Resp: 16578

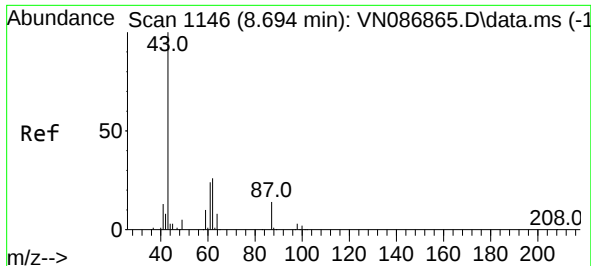
Ion Ratio Lower Upper

43 100

61 16.4 12.1 18.1

70 12.8 9.8 14.6

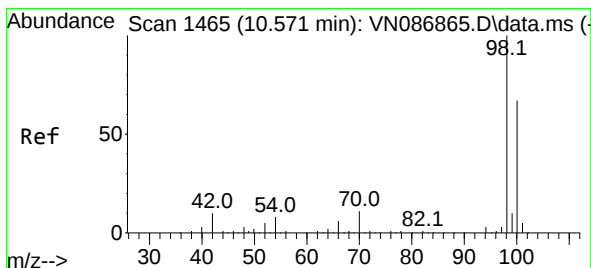
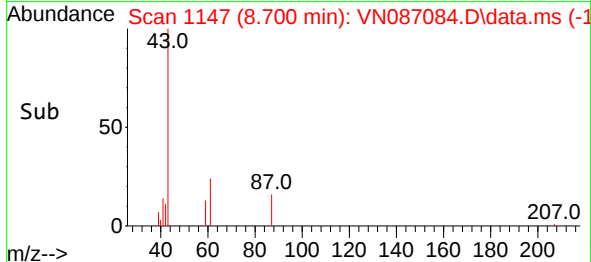
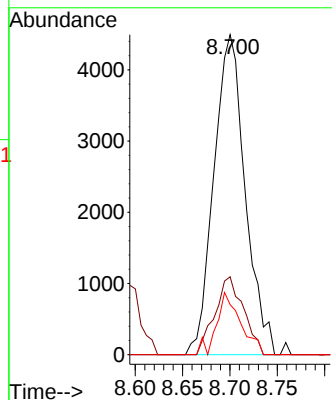
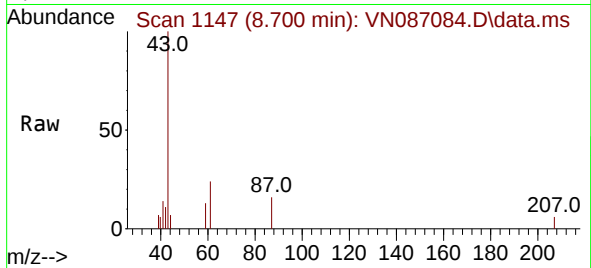




#43
Isopropyl Acetate
Concen: 1.546 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

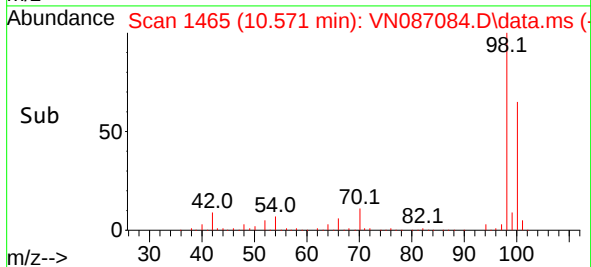
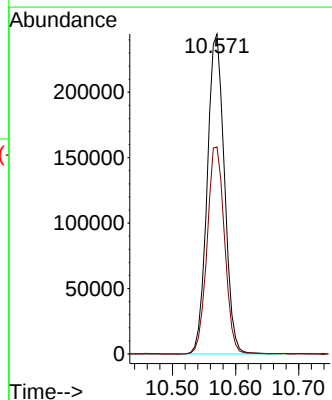
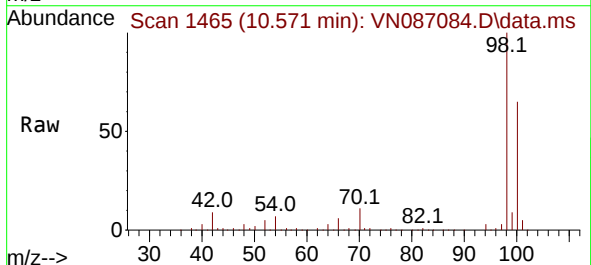
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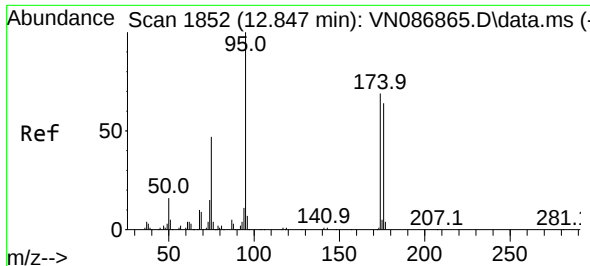
Tgt Ion	43	61	87
Resp	10343		
Ratio	100	22.3	14.9
Lower		22.1	11.8
Upper		33.1	17.6



#50
Toluene-d8
Concen: 53.183 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

Tgt Ion	98	100
Resp	462629	
Ratio	100	65.5
Lower		53.4
Upper		80.0

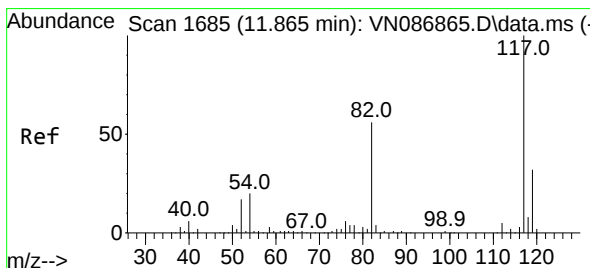
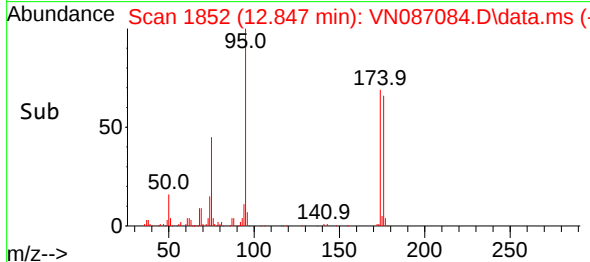
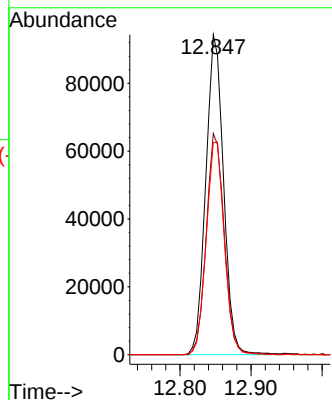
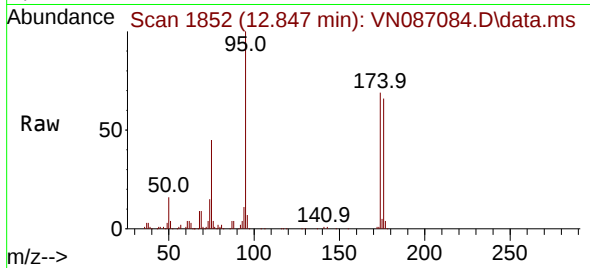




#62
4-Bromofluorobenzene
Concen: 50.780 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

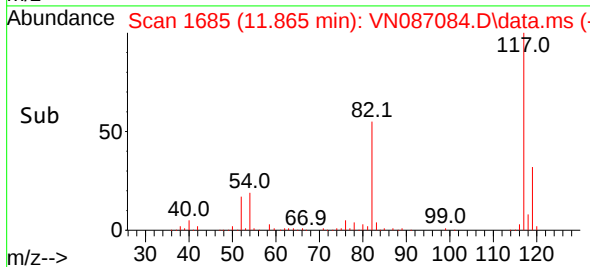
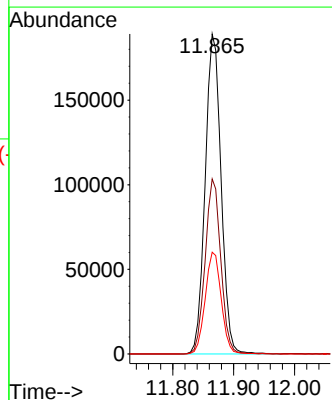
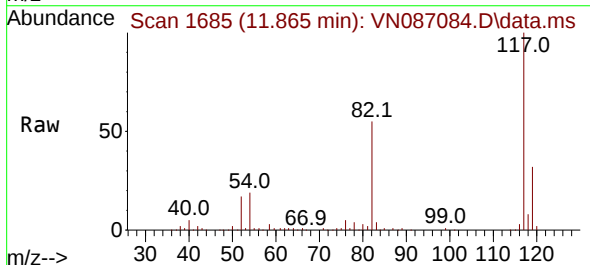
Instrument :
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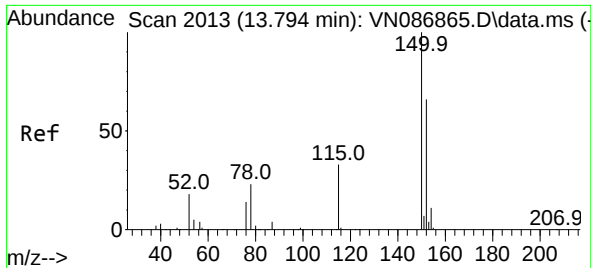
Tgt Ion: 95 Resp: 164116
Ion Ratio Lower Upper
95 100
174 69.8 0.0 141.8
176 67.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087084.D
Acq: 18 Jun 2025 14:40

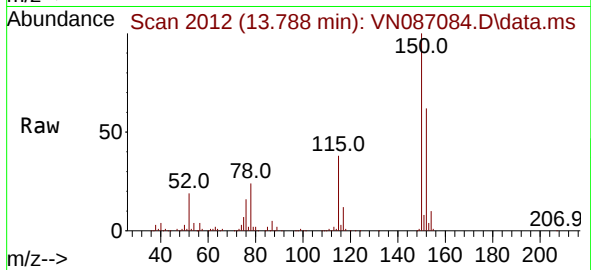
Tgt Ion: 117 Resp: 342840
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.8 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087084.D
 Acq: 18 Jun 2025 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 EP-3



Tgt Ion:152 Resp: 159899
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.1 90.5
 150 158.4 0.0 345.0

