

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086909.D
 Acq On : 09 Jun 2025 16:34
 Operator : JC\MD
 Sample : Q2228-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP08-MHI-WC

Quant Time: Jun 10 03:35:57 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)

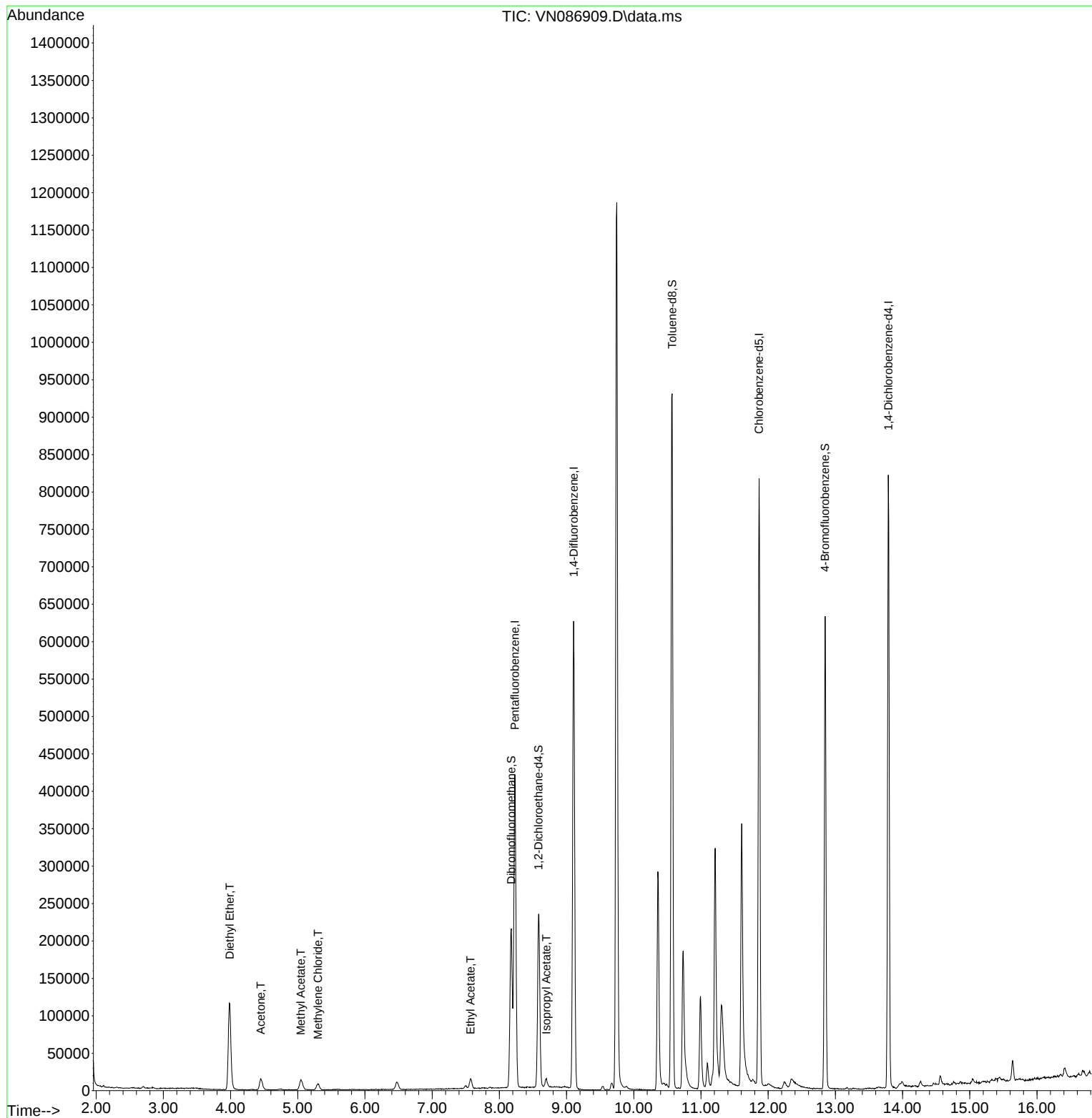
Internal Standards						
1) Pentafluorobenzene	8.229	168	329169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	589208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	503460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	243469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	192160	43.601	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.200%
35) Dibromofluoromethane	8.177	113	166924	47.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.600%
50) Toluene-d8	10.570	98	704465	50.963	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.847	95	249195	48.522	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.040%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.989	74	81216	32.634	ug/l	91
16) Acetone	4.447	43	28790	12.318	ug/l	96
18) Methyl Acetate	5.047	43	29734	4.366	ug/l	97
20) Methylene Chloride	5.300	84	7293	1.667	ug/l	93
37) Ethyl Acetate	7.571	43	20490	3.094	ug/l	98
43) Isopropyl Acetate	8.700	43	12867	1.210	ug/l #	95

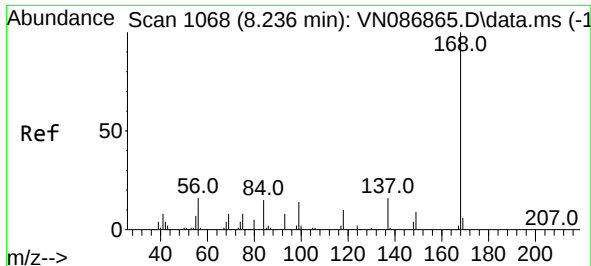
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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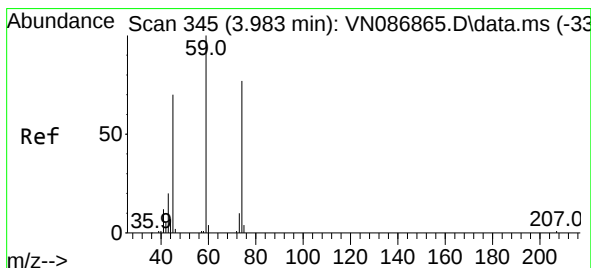
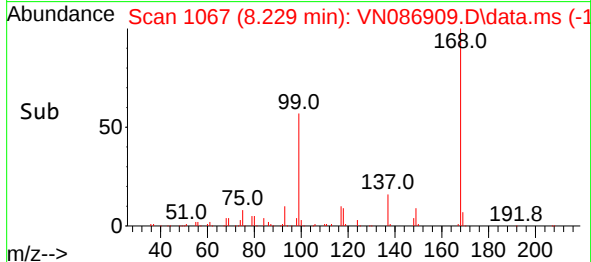
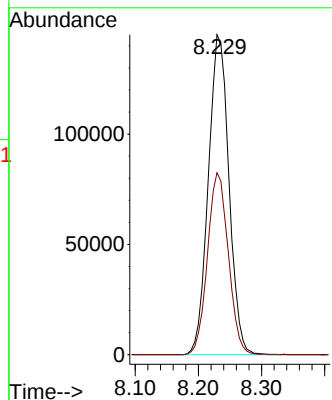
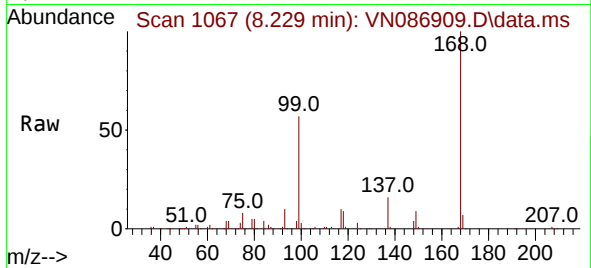




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

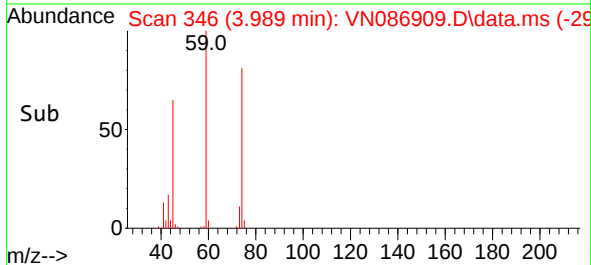
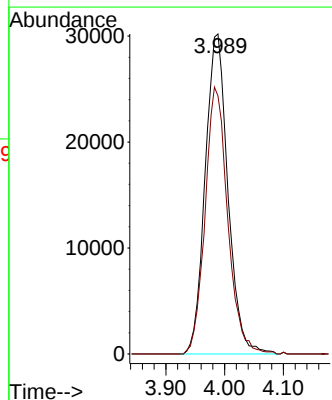
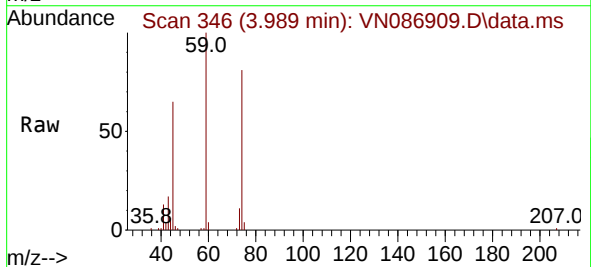
Instrument :
MSVOA_N
ClientSampleId :
TP08-MHI-WC

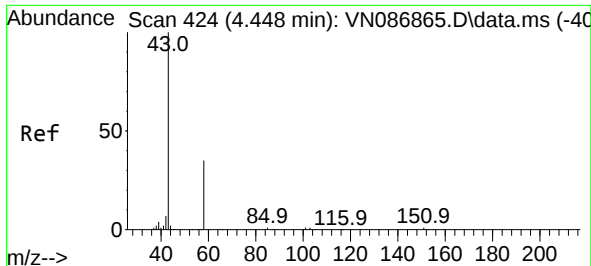
Tgt Ion:168 Resp: 329169
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7



#8
Diethyl Ether
Concen: 32.634 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

Tgt Ion: 74 Resp: 81216
Ion Ratio Lower Upper
74 100
45 82.8 45.5 136.5

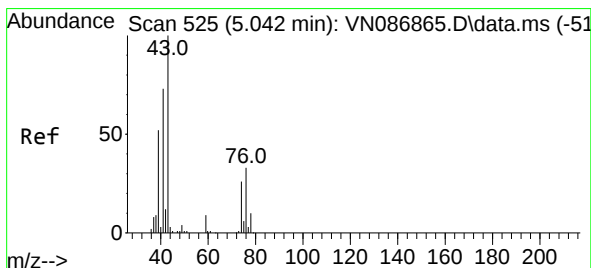
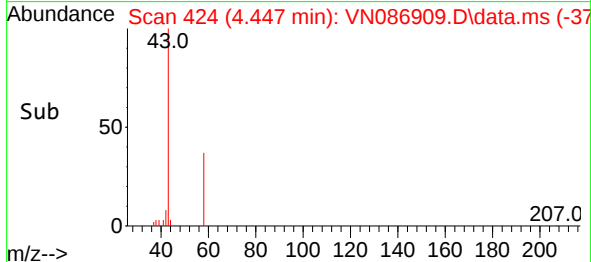
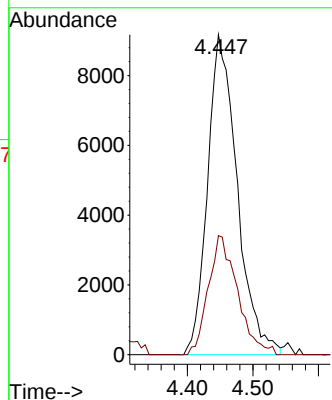
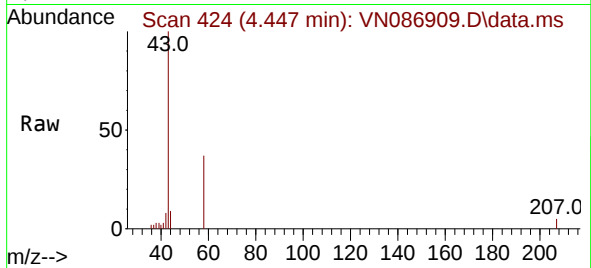




#16
Acetone
Concen: 12.318 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

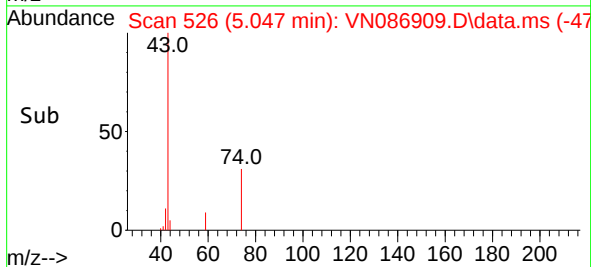
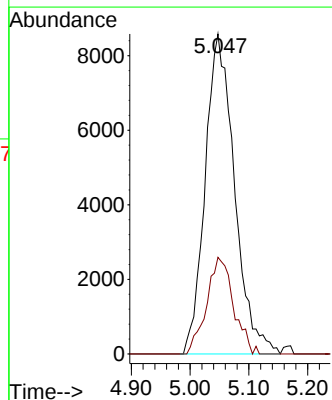
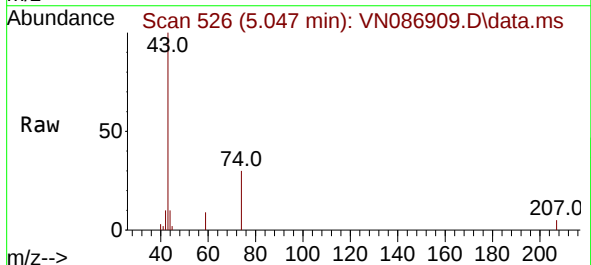
Instrument :
MSVOA_N
ClientSampleId :
TP08-MHI-WC

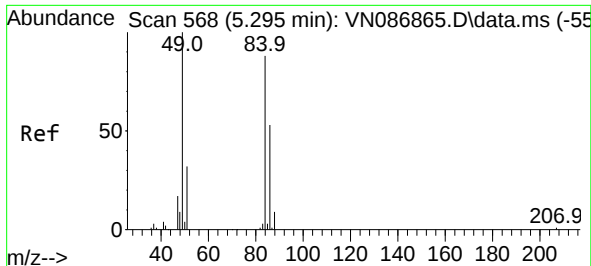
Tgt Ion: 43 Resp: 28790
Ion Ratio Lower Upper
43 100
58 37.2 28.0 42.0



#18
Methyl Acetate
Concen: 4.366 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

Tgt Ion: 43 Resp: 29734
Ion Ratio Lower Upper
43 100
74 27.7 20.7 31.1

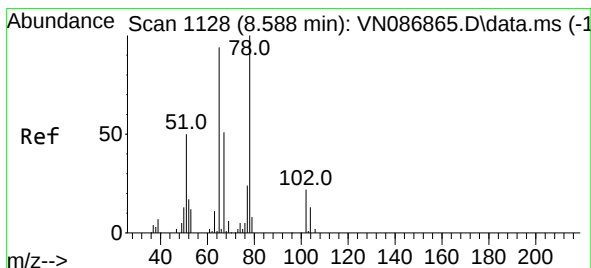
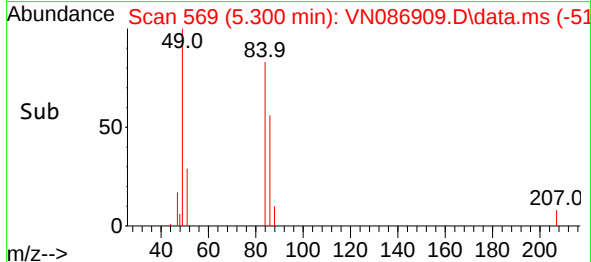
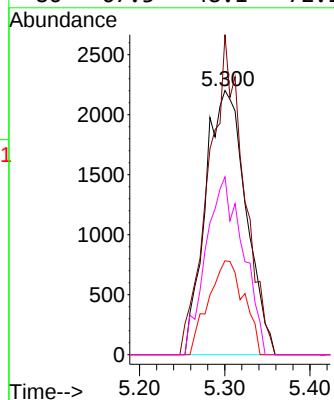
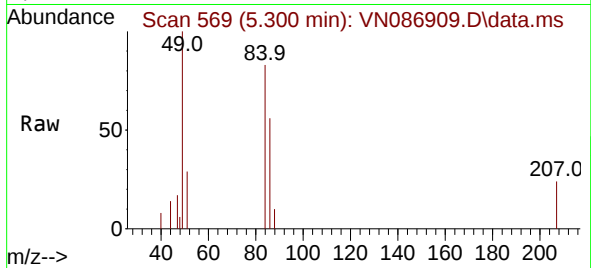




#20
Methylene Chloride
Concen: 1.667 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

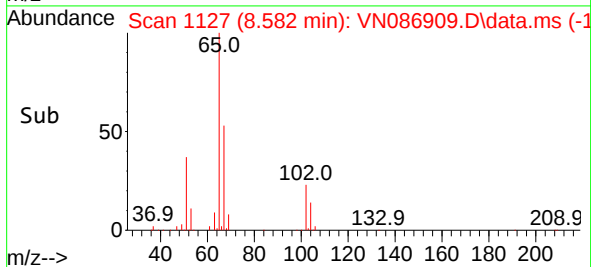
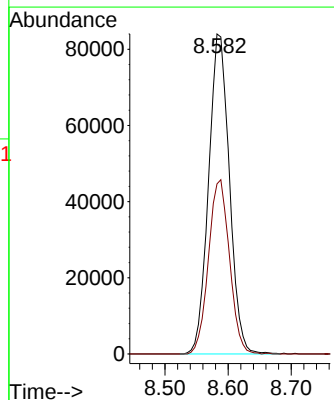
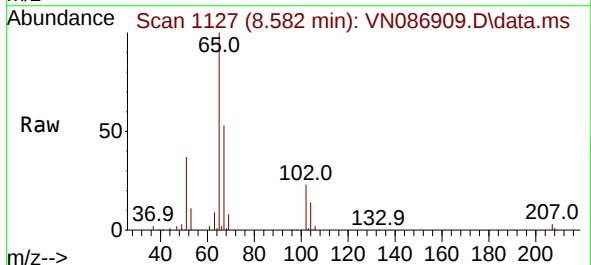
Instrument :
MSVOA_N
ClientSampleId :
TP08-MHI-WC

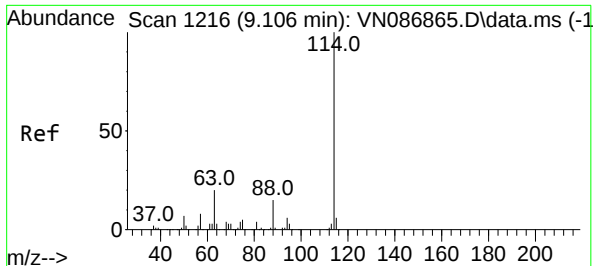
Tgt Ion:	84	Resp:	7293
Ion	Ratio	Lower	Upper
84	100		
49	121.1	90.5	135.7
51	35.6	28.5	42.7
86	67.3	48.1	72.1



#33
1,2-Dichloroethane-d4
Concen: 43.601 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

Tgt Ion:	65	Resp:	192160
Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086909.D

Acq: 09 Jun 2025 16:34

Instrument :

MSVOA_N

ClientSampleId :

TP08-MHI-WC

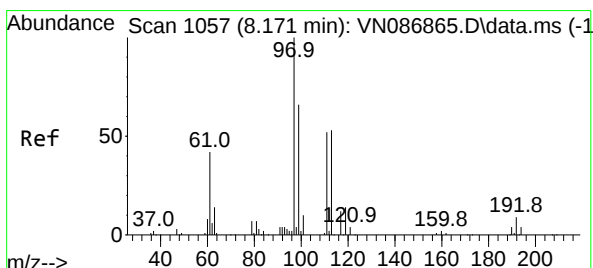
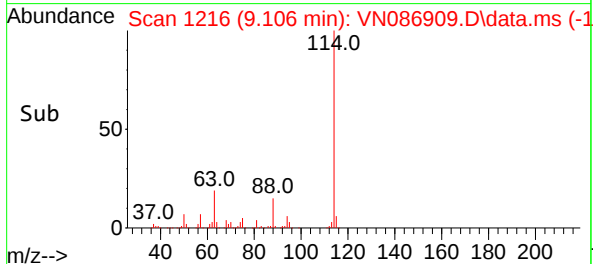
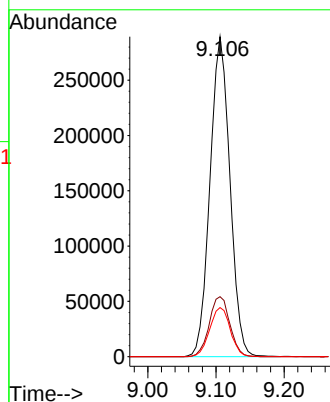
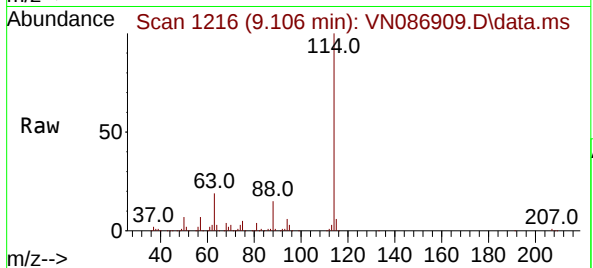
Tgt Ion:114 Resp: 589208

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 47.805 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086909.D

Acq: 09 Jun 2025 16:34

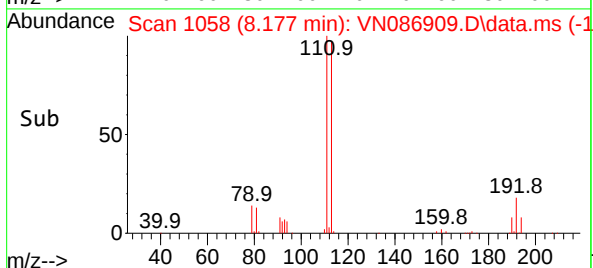
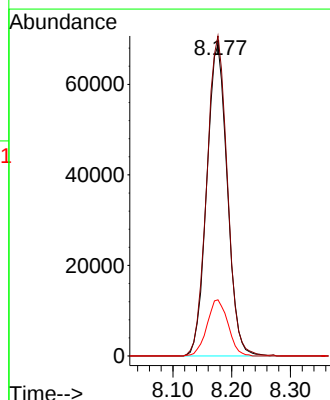
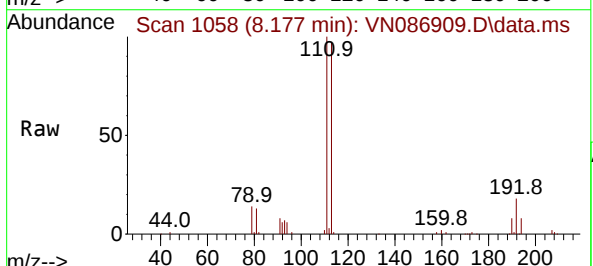
Tgt Ion:113 Resp: 166924

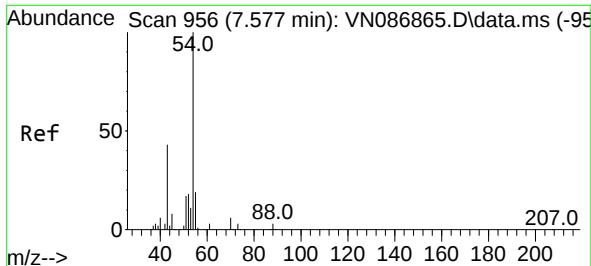
Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 18.5 14.2 21.4

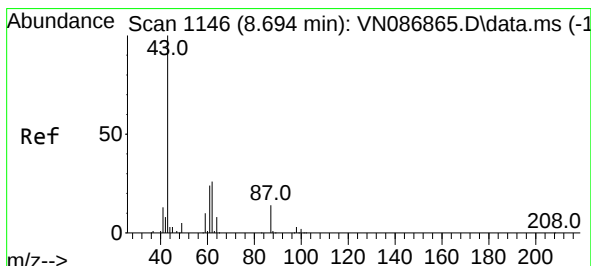
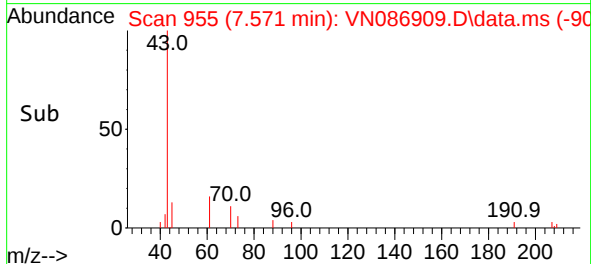
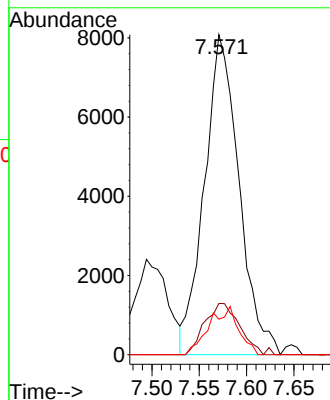
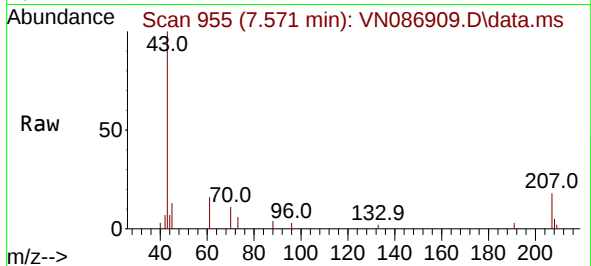




#37
Ethyl Acetate
Concen: 3.094 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

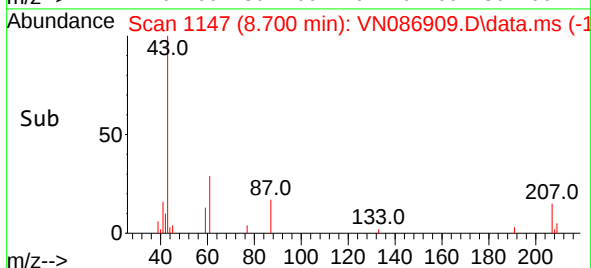
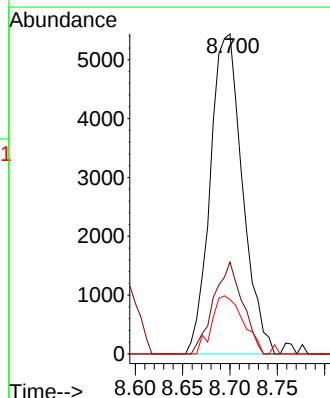
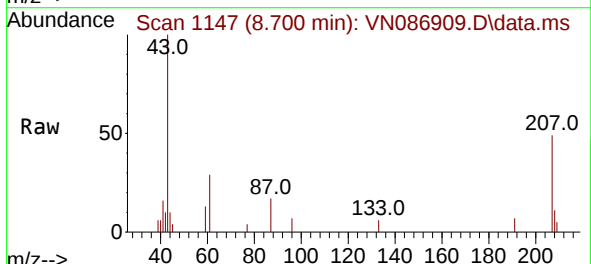
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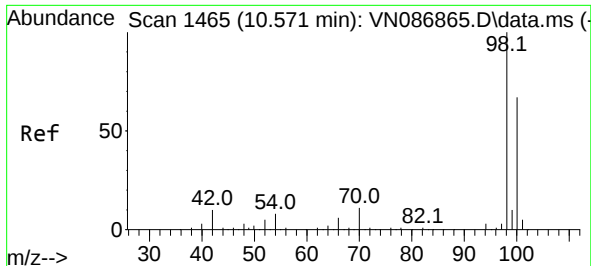
Tgt Ion:	43	Resp:	20490
Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.1	18.1
70	12.9	9.8	14.6



#43
Isopropyl Acetate
Concen: 1.210 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

Tgt Ion:	43	Resp:	12867
Ion	Ratio	Lower	Upper
43	100		
61	25.8	22.1	33.1
87	17.7	11.8	17.6#

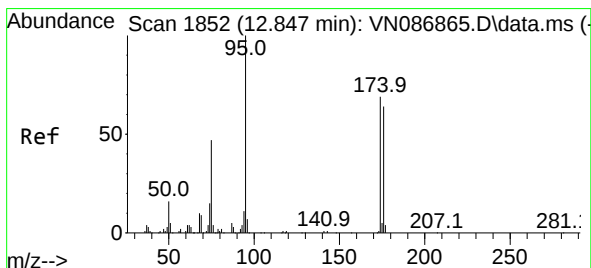
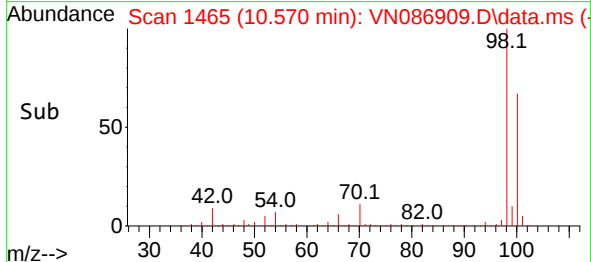
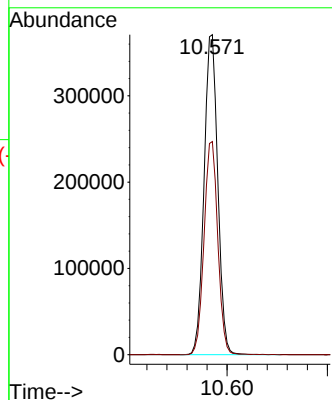
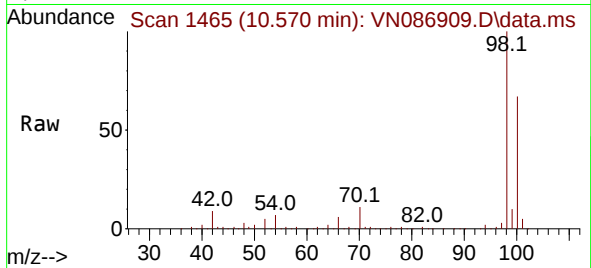




#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

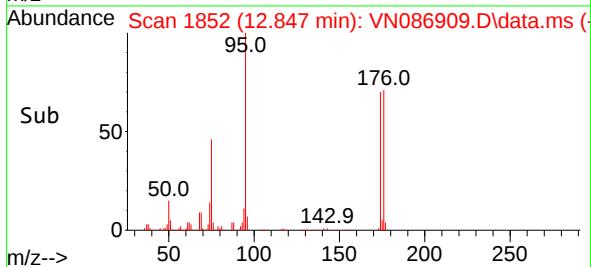
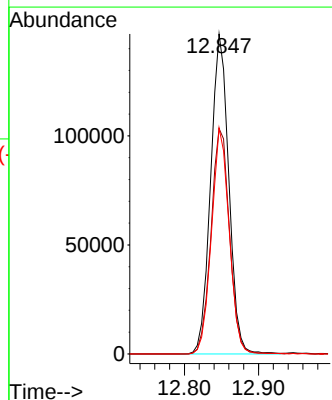
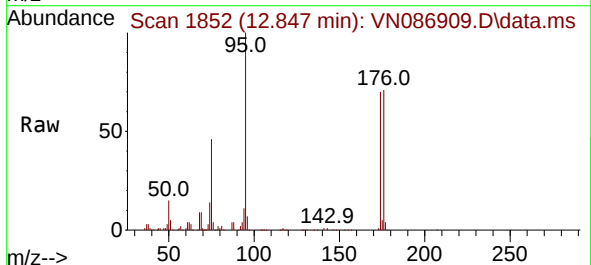
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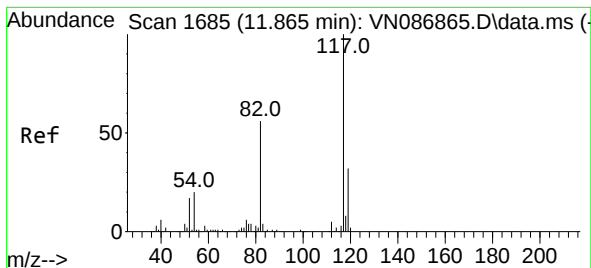
Tgt Ion: 98 Resp: 704465
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086909.D
Acq: 09 Jun 2025 16:34

Tgt Ion: 95 Resp: 249195
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 68.9 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086909.D

Acq: 09 Jun 2025 16:34

Instrument :

MSVOA_N

ClientSampleId :

TP08-MHI-WC

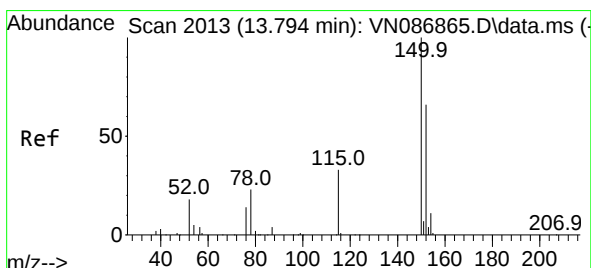
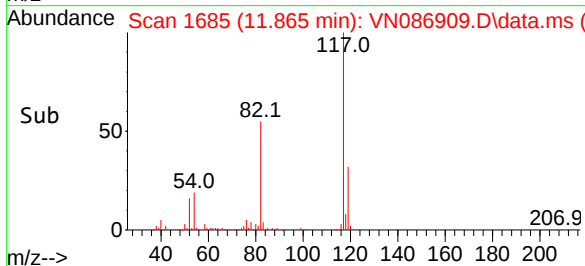
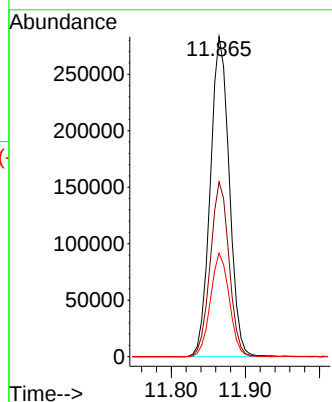
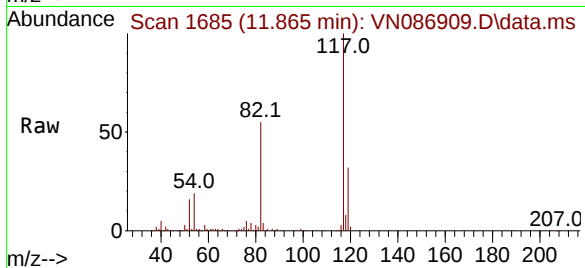
Tgt Ion:117 Resp: 503460

Ion Ratio Lower Upper

117 100

82 54.7 44.6 67.0

119 32.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086909.D

Acq: 09 Jun 2025 16:34

Tgt Ion:152 Resp: 243469

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.5

150 156.9 0.0 345.0

