

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087220.D
 Acq On : 27 Jun 2025 14:32
 Operator : JC\MD
 Sample : Q2429-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Jun 27 23:45:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

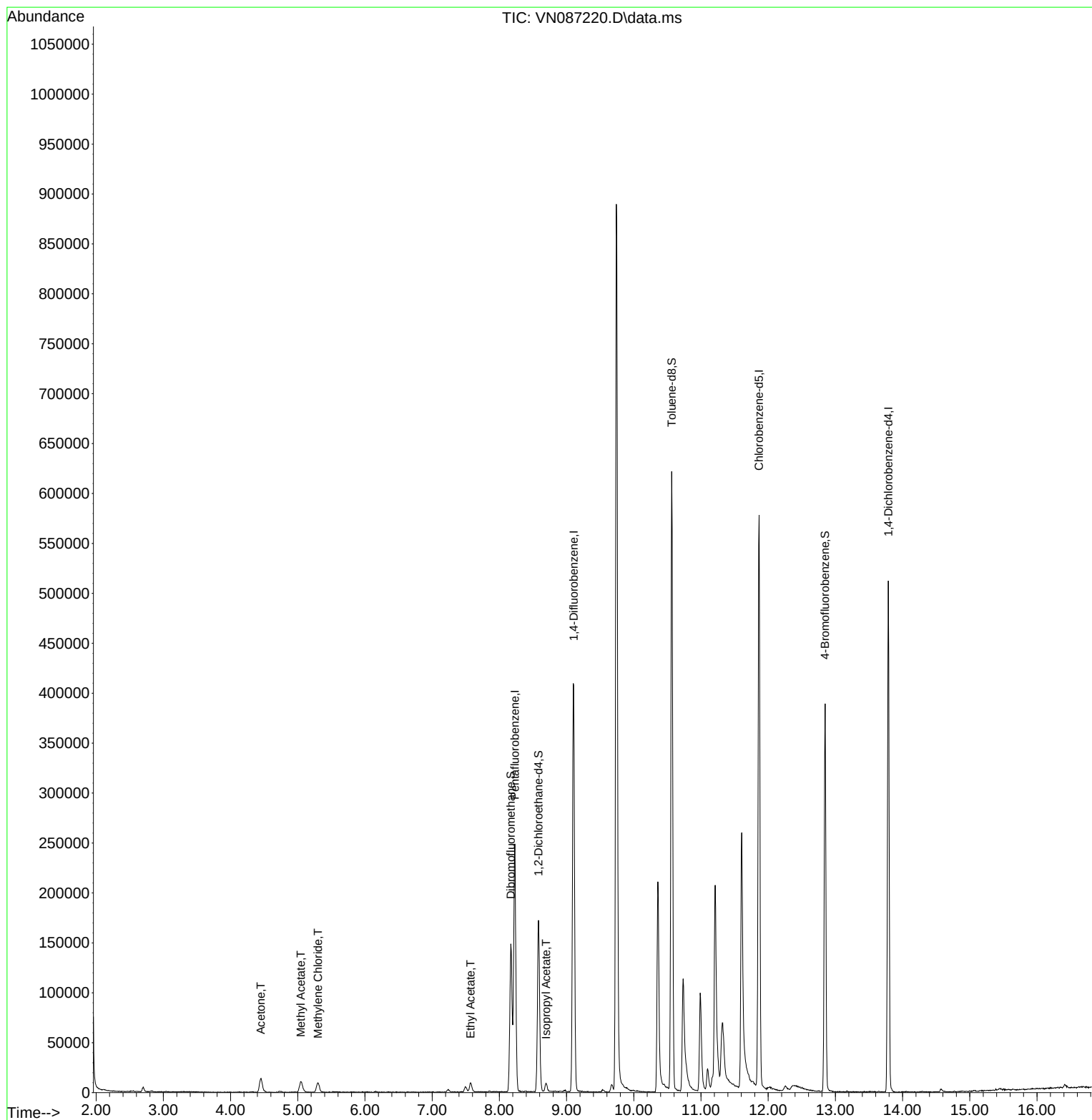
Internal Standards						
1) Pentafluorobenzene	8.229	168	187998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	375149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	141233	52.203	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.400%
35) Dibromofluoromethane	8.171	113	111804	46.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.200%
50) Toluene-d8	10.565	98	443353	44.198	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.400%
62) 4-Bromofluorobenzene	12.847	95	146938	42.215	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.420%
Target Compounds						
						Qvalue
16) Acetone	4.447	43	29182	8.908	ug/l	92
18) Methyl Acetate	5.047	43	23799	6.420	ug/l	97
20) Methylene Chloride	5.300	84	7846	1.447	ug/l	97
37) Ethyl Acetate	7.571	43	15775	1.207	ug/l	96
43) Isopropyl Acetate	8.694	43	10500	1.608	ug/l #	92

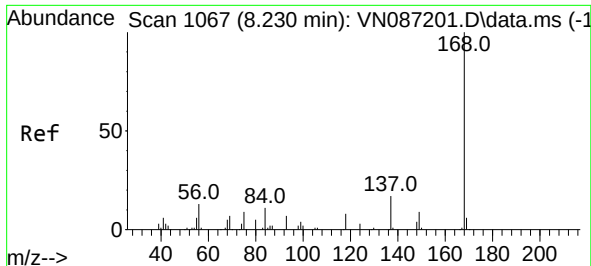
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 27 05:55:21 2025
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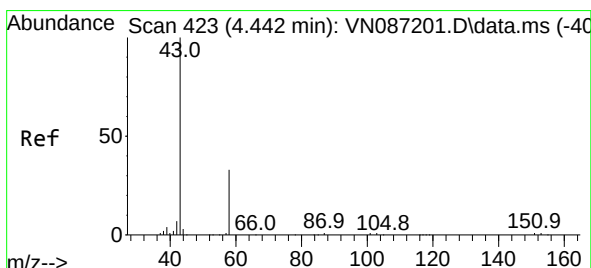
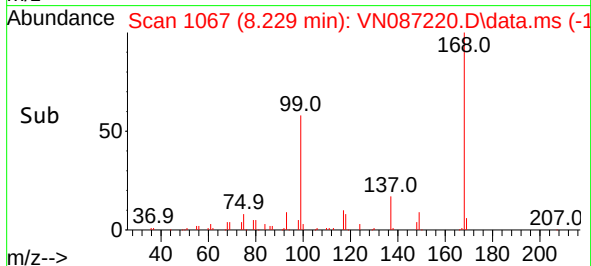
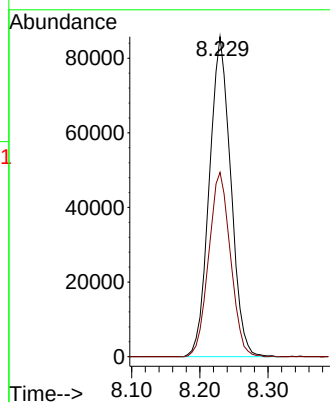
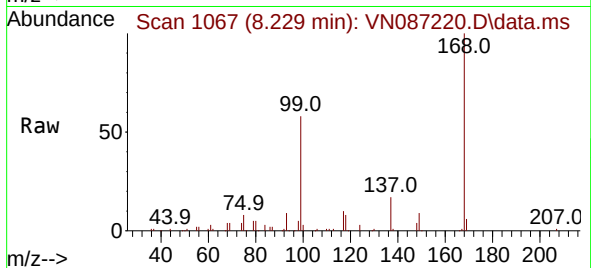




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

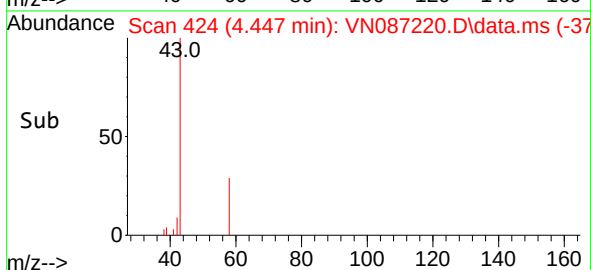
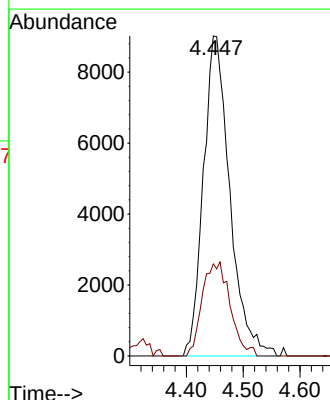
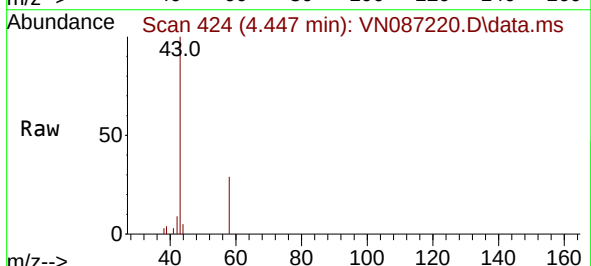
Instrument :
MSVOA_N
ClientSampleId :
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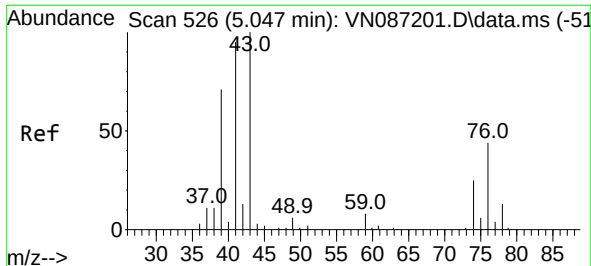
Tgt Ion:168 Resp: 187998
Ion Ratio Lower Upper
168 100
99 57.6 47.9 71.9



#16
Acetone
Concen: 8.908 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

Tgt Ion: 43 Resp: 29182
Ion Ratio Lower Upper
43 100
58 28.8 26.5 39.7

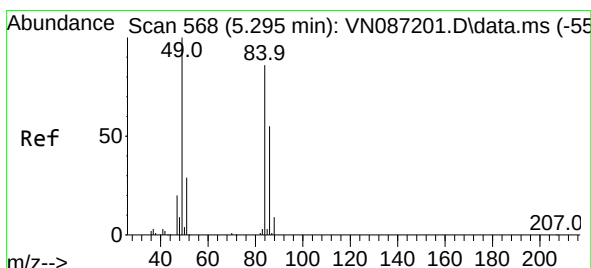
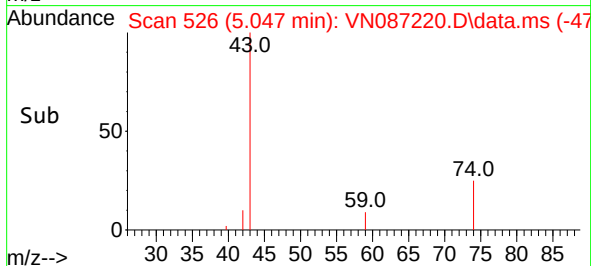
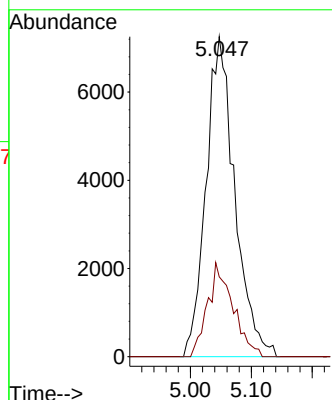
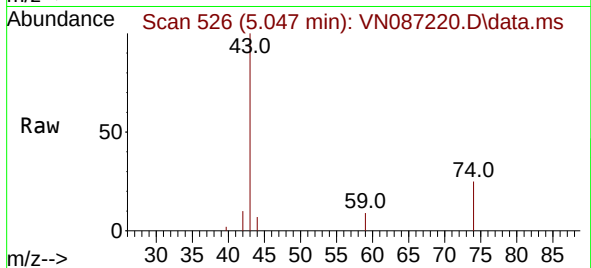




#18
Methyl Acetate
Concen: 6.420 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

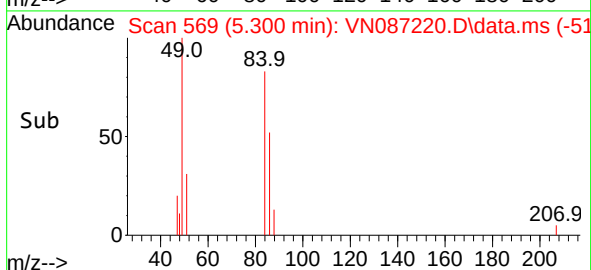
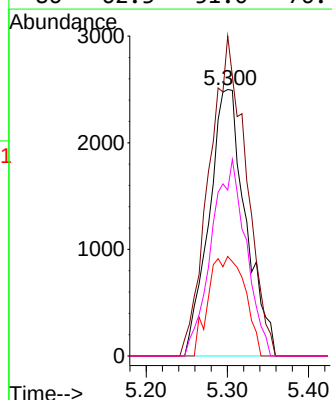
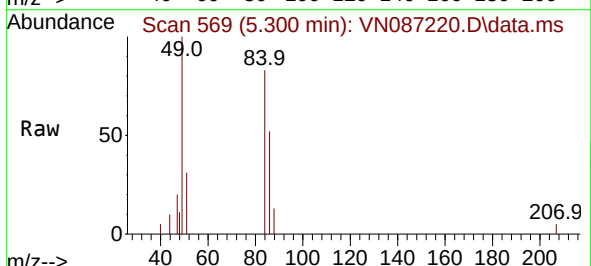
Instrument :
MSVOA_N
ClientSampleId :
TP-4

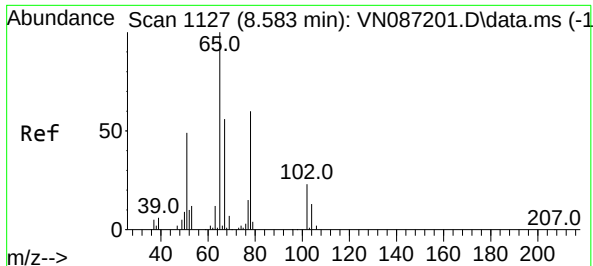
Tgt Ion: 43 Resp: 23799
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.2



#20
Methylene Chloride
Concen: 1.447 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.005 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

Tgt Ion: 84 Resp: 7846
Ion Ratio Lower Upper
84 100
49 120.1 93.0 139.6
51 37.3 27.2 40.8
86 62.3 51.0 76.4





#33

1,2-Dichloroethane-d4

Concen: 52.203 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087220.D

Acq: 27 Jun 2025 14:32

Instrument :

MSVOA_N

ClientSampleId :

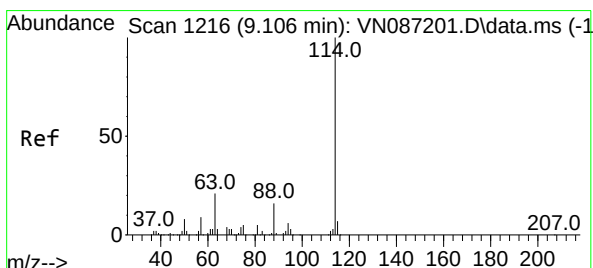
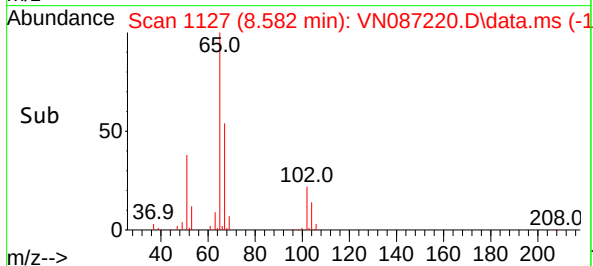
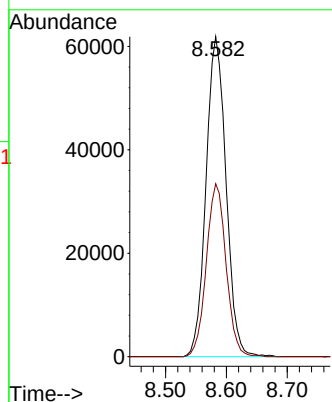
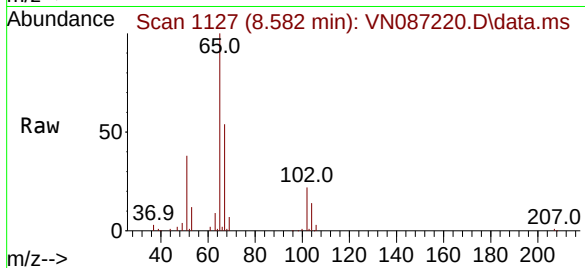
TP-4

Tgt Ion: 65 Resp: 141233

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087220.D

Acq: 27 Jun 2025 14:32

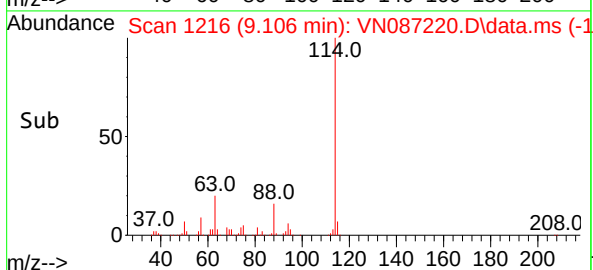
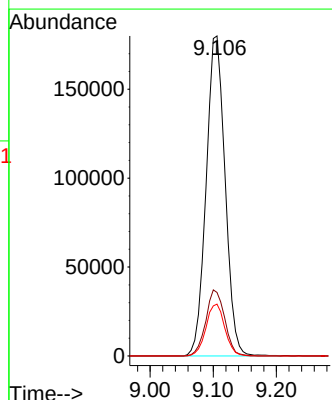
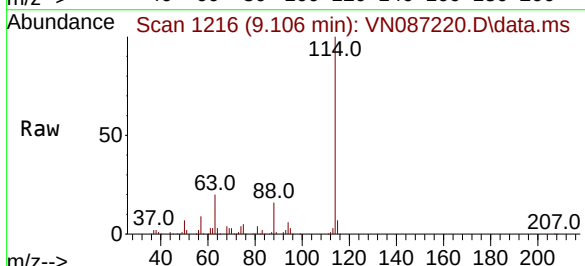
Tgt Ion: 114 Resp: 375149

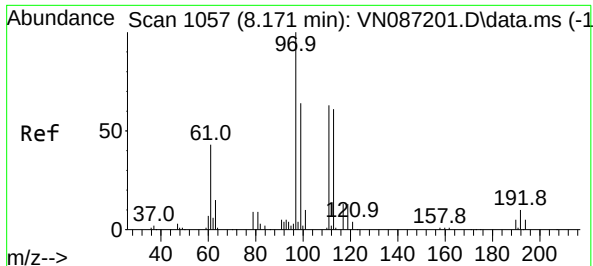
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.0

88 16.2 0.0 32.0

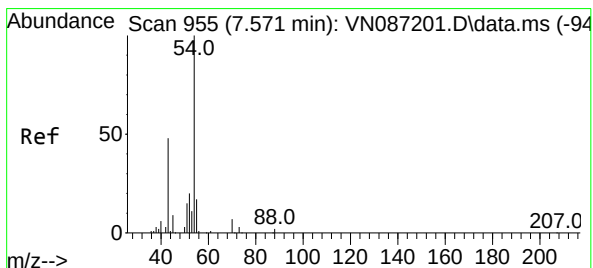
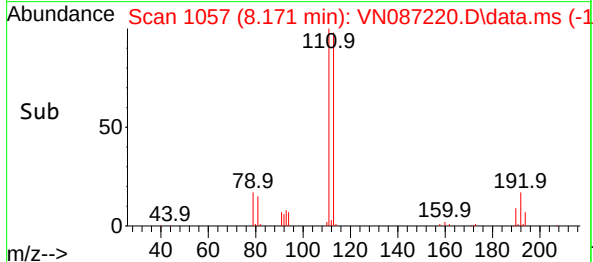
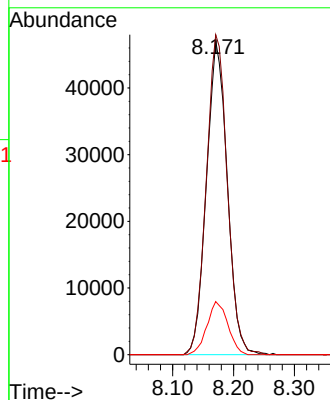
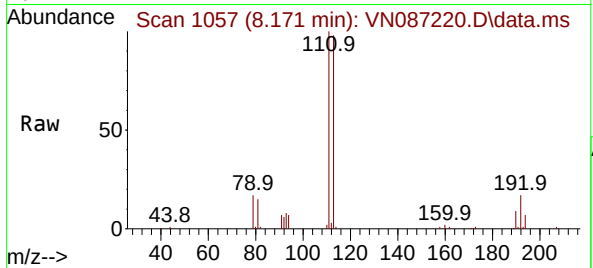




#35
Dibromofluoromethane
Concen: 46.098 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

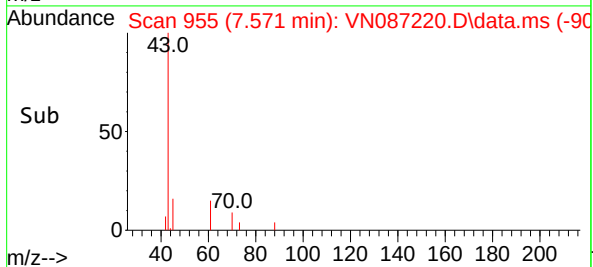
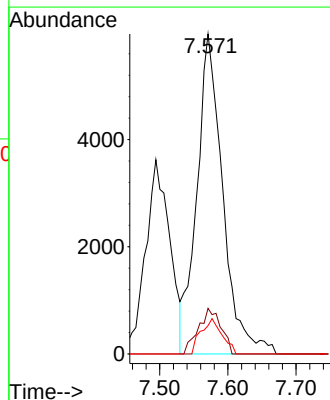
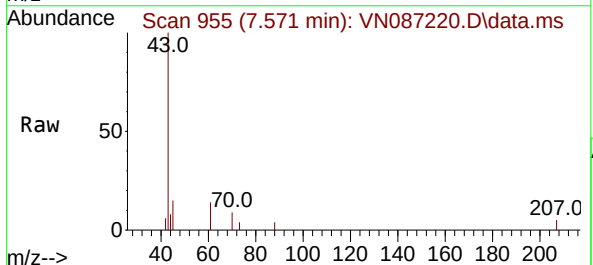
Instrument :
MSVOA_N
ClientSampleId :
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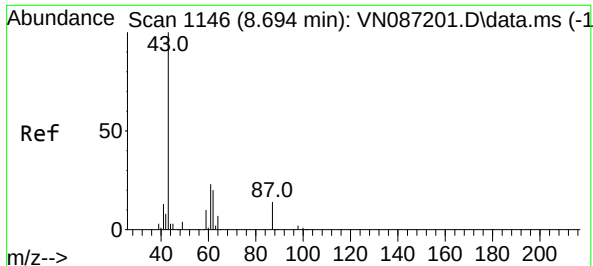
Tgt Ion:113 Resp: 111804
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 17.0 13.5 20.3



#37
Ethyl Acetate
Concen: 1.207 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

Tgt Ion: 43 Resp: 15775
Ion Ratio Lower Upper
43 100
61 12.5 10.8 16.2
70 9.0 8.9 13.3





#43

Isopropyl Acetate

Concen: 1.608 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN087220.D

Acq: 27 Jun 2025 14:32

Instrument :

MSVOA_N

ClientSampleId :

TP-4

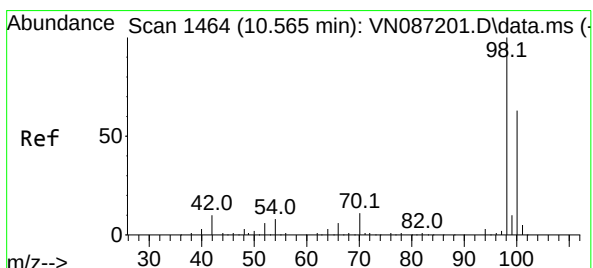
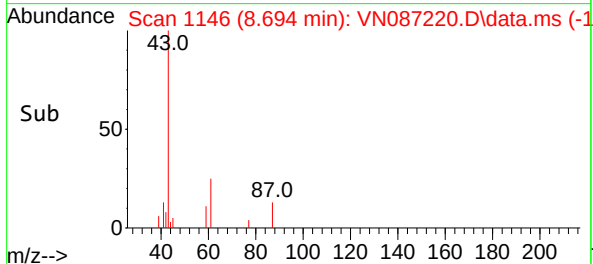
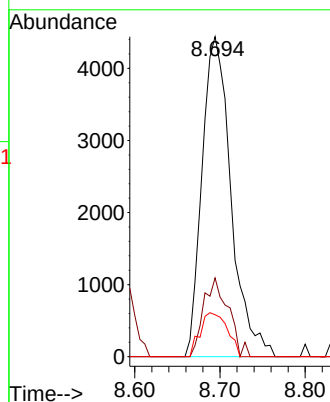
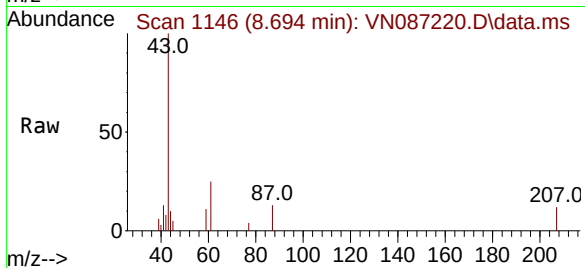
Tgt Ion: 43 Resp: 10500

Ion Ratio Lower Upper

43 100

61 21.0 21.0 31.6#

87 12.9 11.0 16.6



#50

Toluene-d8

Concen: 44.198 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087220.D

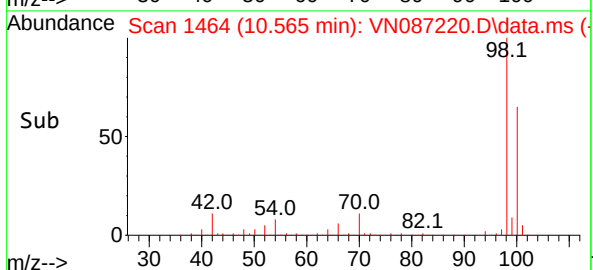
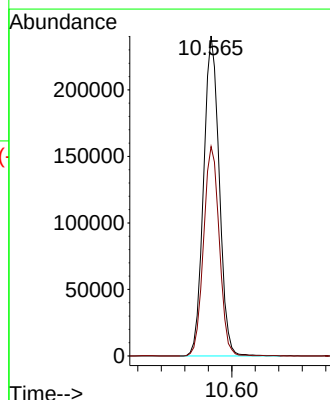
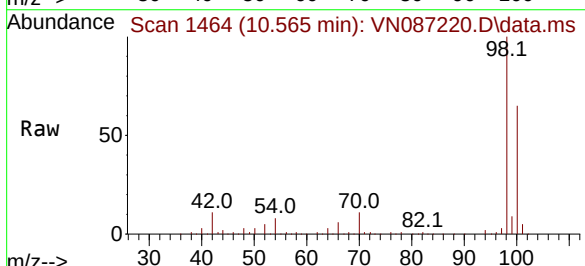
Acq: 27 Jun 2025 14:32

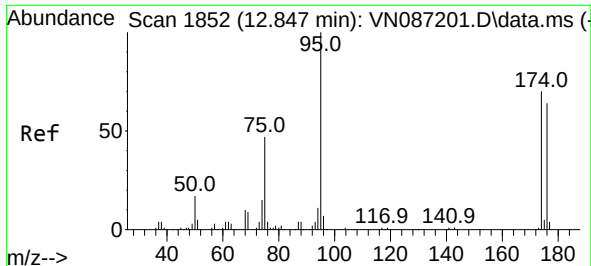
Tgt Ion: 98 Resp: 443353

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

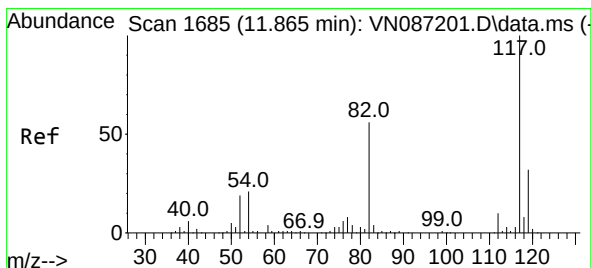
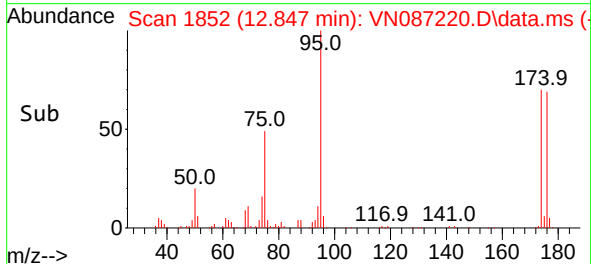
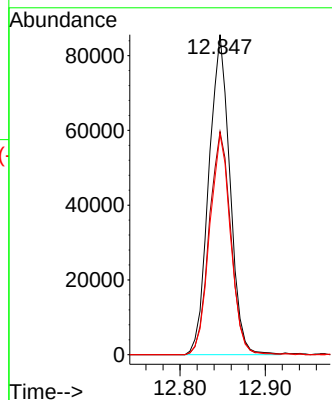
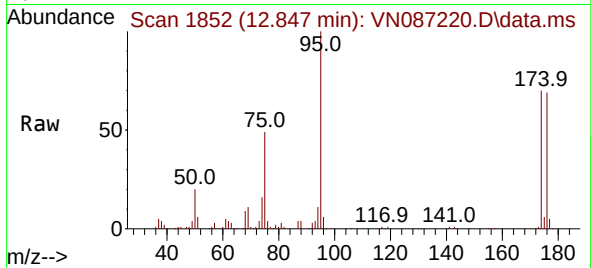




#62
4-Bromofluorobenzene
Concen: 42.215 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

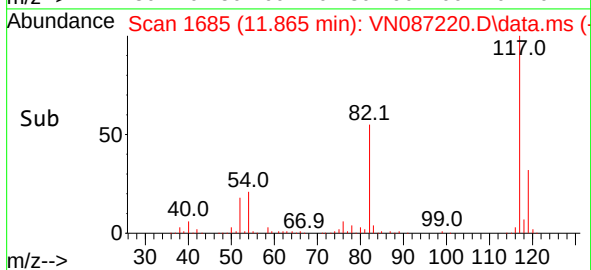
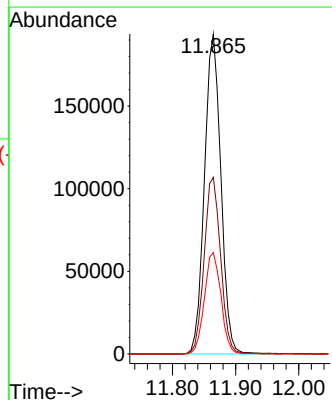
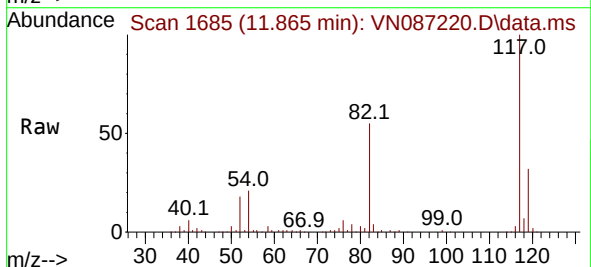
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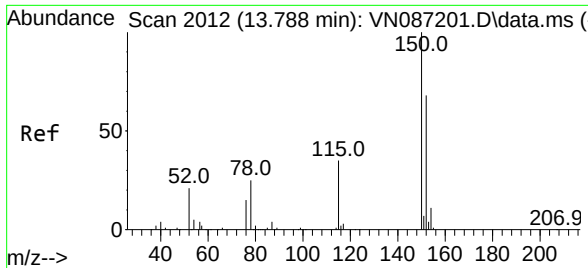
Tgt Ion: 95 Resp: 146938
Ion Ratio Lower Upper
95 100
174 71.4 0.0 142.2
176 68.5 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087220.D
Acq: 27 Jun 2025 14:32

Tgt Ion: 117 Resp: 349381
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 31.7 25.9 38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087220.D
 Acq: 27 Jun 2025 14:32

Instrument :
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 ClientSampleId :
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Tgt Ion:152 Resp: 140321
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.6 91.8
 150 156.5 0.0 347.8

