

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086146.D
 Acq On : 28 Mar 2025 13:29
 Operator : JC\MD
 Sample : Q1648-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Mar 28 13:44:30 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)

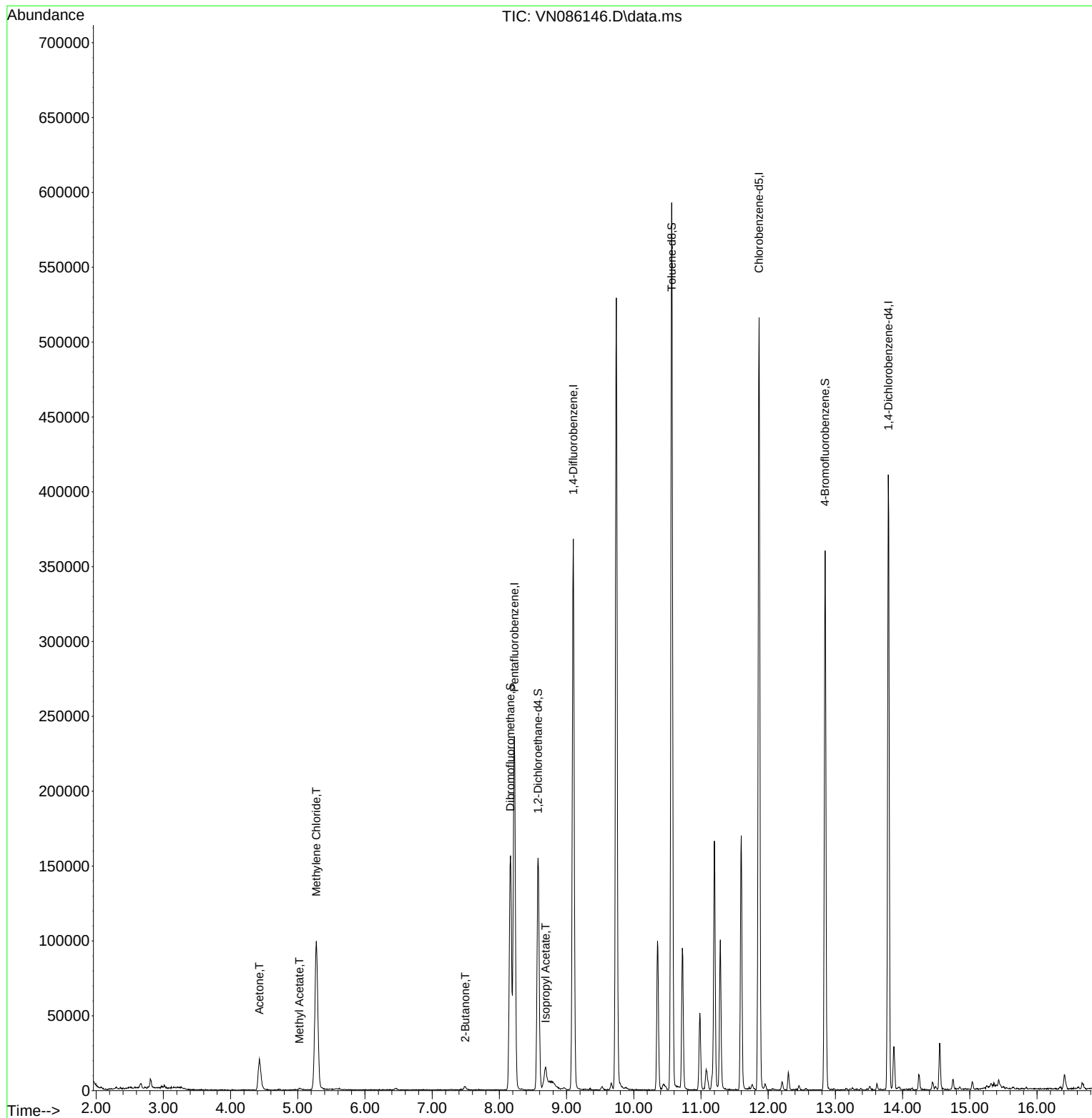
Internal Standards						
1) Pentafluorobenzene	8.224	168	173477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130483	54.929	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.860%	
35) Dibromofluoromethane	8.165	113	116987	52.708	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.420%	
50) Toluene-d8	10.565	98	423351	52.555	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.847	95	127536	44.394	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.780%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	37529	51.712	ug/l	95
18) Methyl Acetate	5.024	43	2334	1.300	ug/l #	76
20) Methylene Chloride	5.277	84	82986	39.088	ug/l	97
25) 2-Butanone	7.494	43	4237	4.046	ug/l #	87
43) Isopropyl Acetate	8.688	43	20374	3.813	ug/l #	68

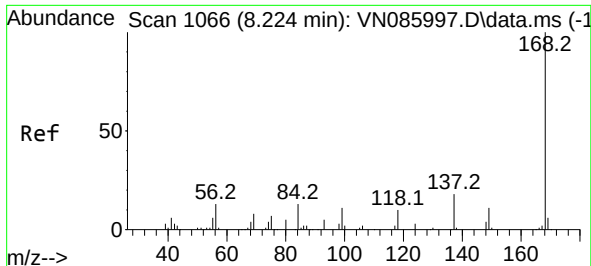
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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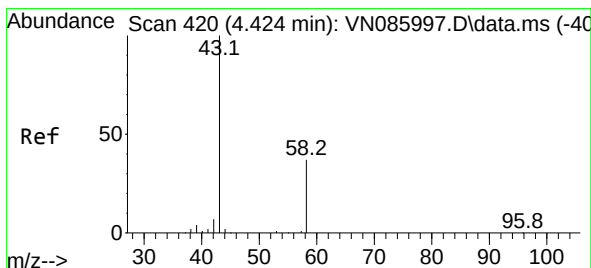
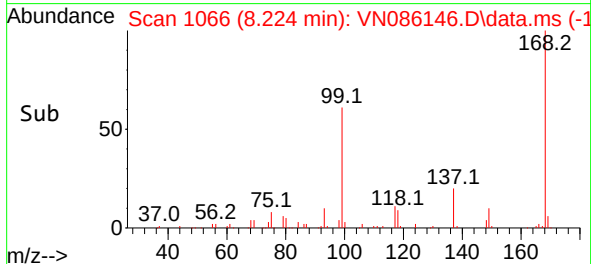
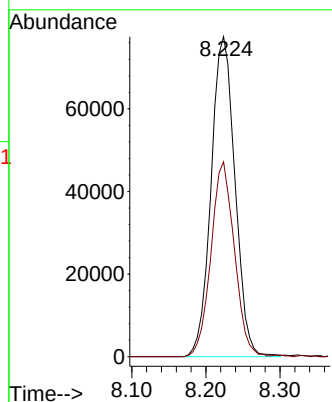
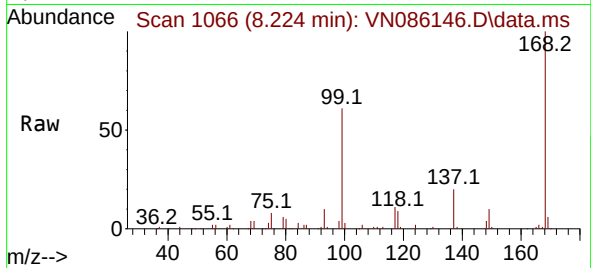




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

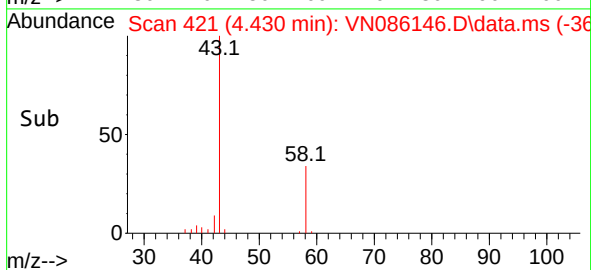
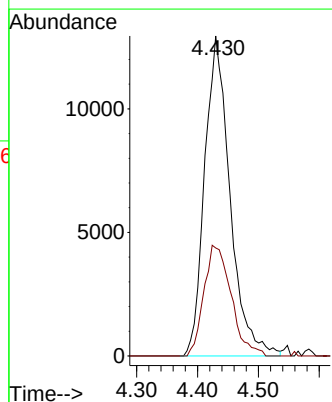
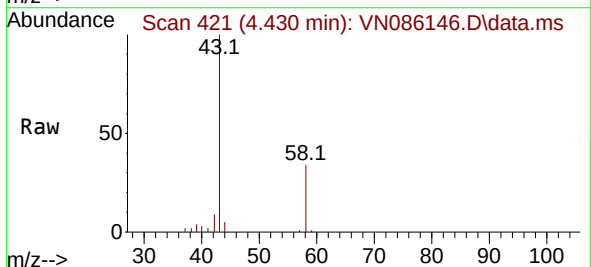
Instrument :
MSVOA_N
ClientSampleId :
TP-5

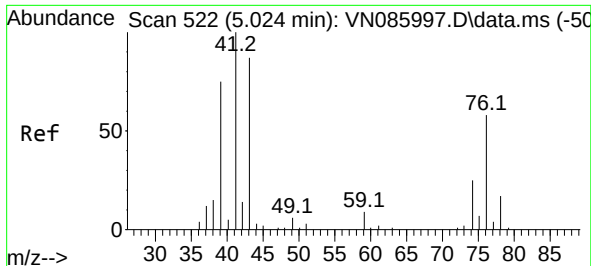
Tgt Ion:168 Resp: 173477
Ion Ratio Lower Upper
168 100
99 60.9 49.4 74.2



#16
Acetone
Concen: 51.712 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

Tgt Ion: 43 Resp: 37529
Ion Ratio Lower Upper
43 100
58 33.7 29.4 44.2

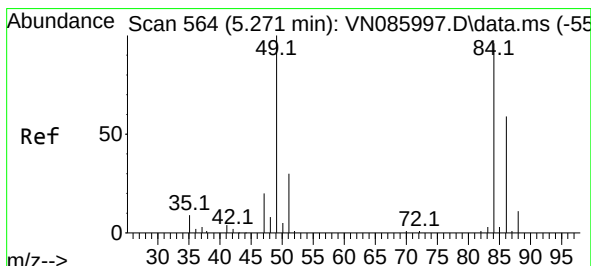
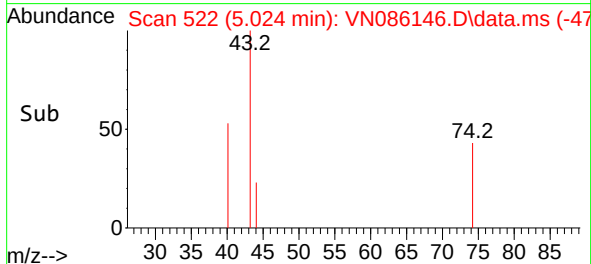
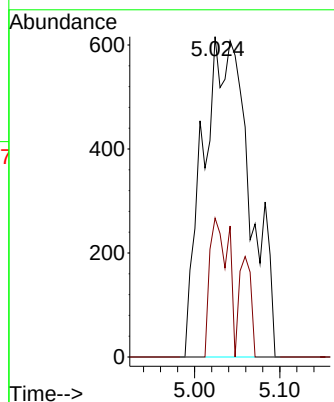
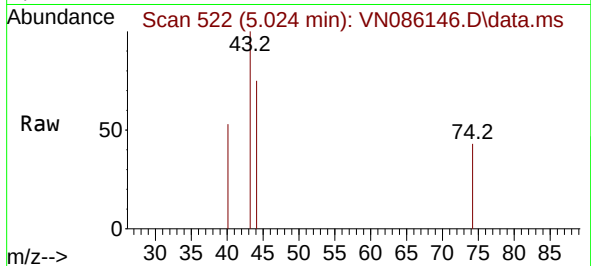




#18
Methyl Acetate
Concen: 1.300 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

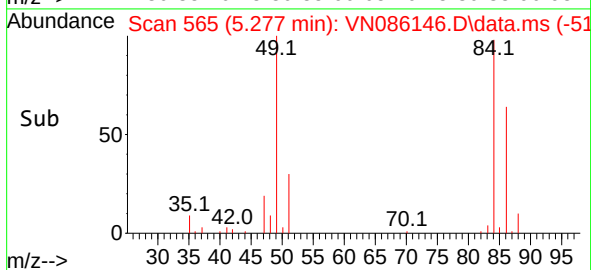
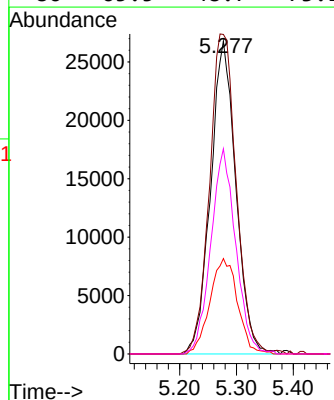
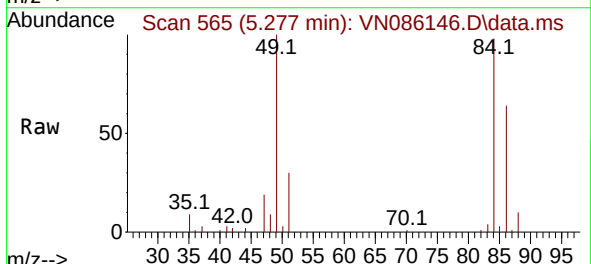
Instrument :
MSVOA_N
ClientSampleId :
TP-5

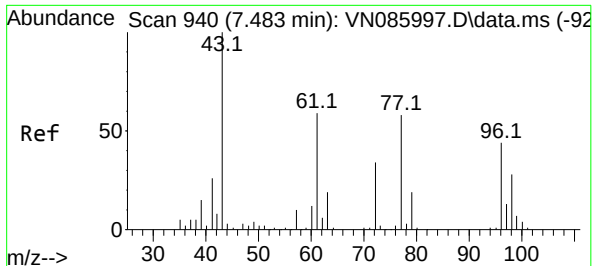
Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
74 17.1 23.9 35.9#



#20
Methylene Chloride
Concen: 39.088 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

Tgt Ion: 84 Resp: 82986
Ion Ratio Lower Upper
84 100
49 102.1 83.3 124.9
51 30.4 24.8 37.2
86 65.5 48.7 73.1

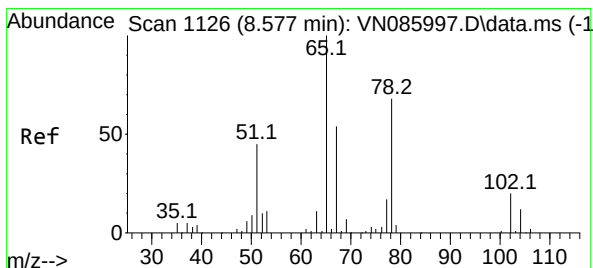
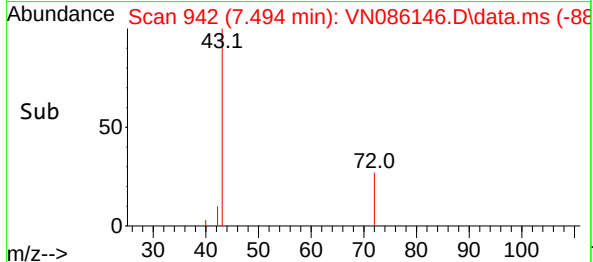
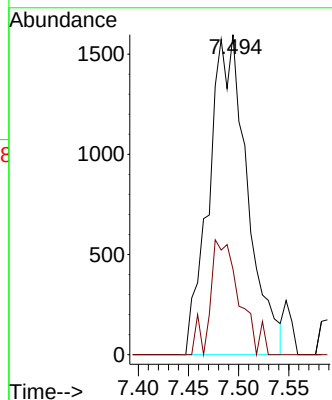
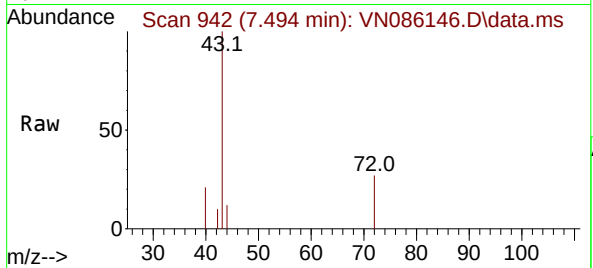




#25
2-Butanone
Concen: 4.046 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

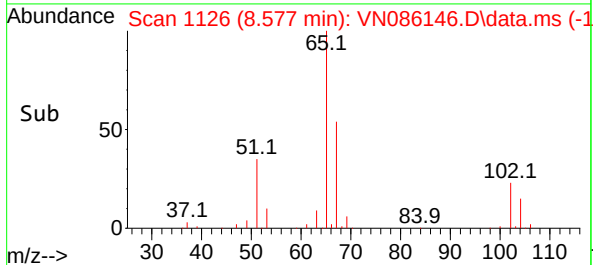
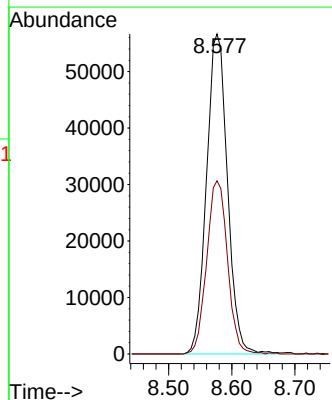
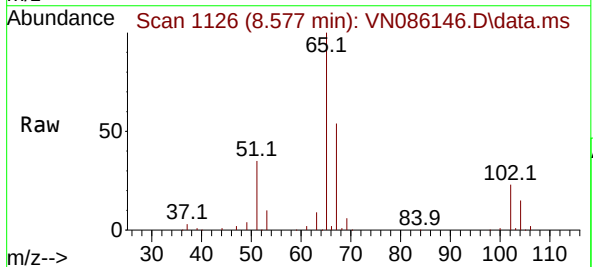
Instrument :
MSVOA_N
ClientSampleId :
TP-5

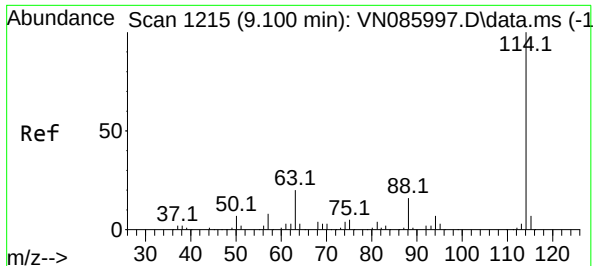
Tgt Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
72 26.7 27.4 41.0#



#33
1,2-Dichloroethane-d4
Concen: 54.929 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

Tgt Ion: 65 Resp: 130483
Ion Ratio Lower Upper
65 100
67 53.6 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: VN086146.D

Acq: 28 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5

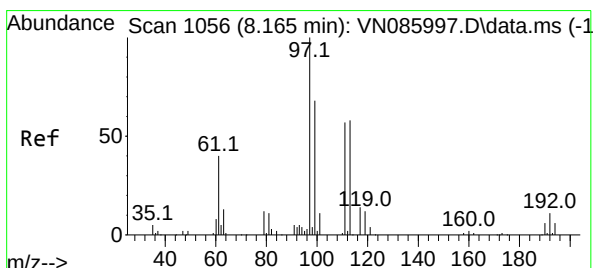
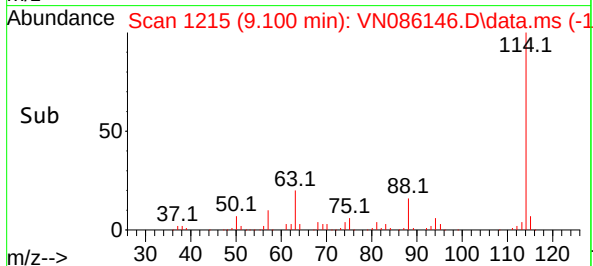
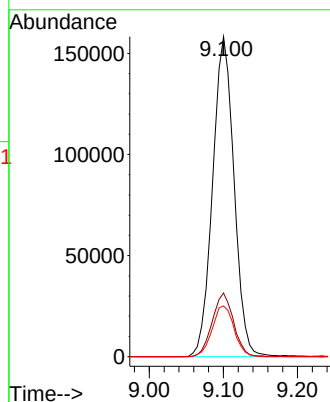
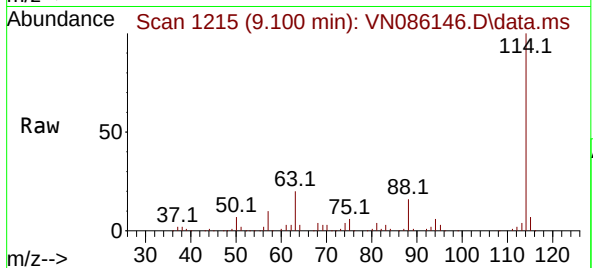
Tgt Ion:114 Resp: 317991

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.708 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086146.D

Acq: 28 Mar 2025 13:29

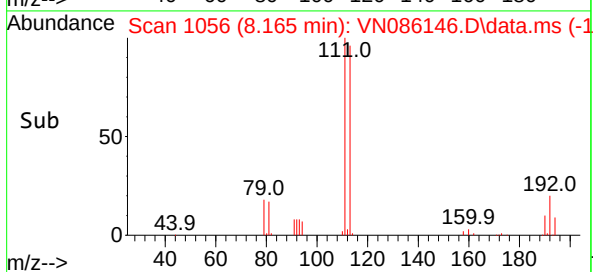
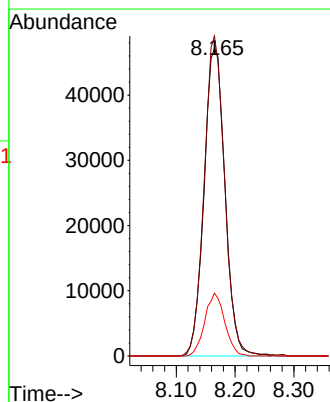
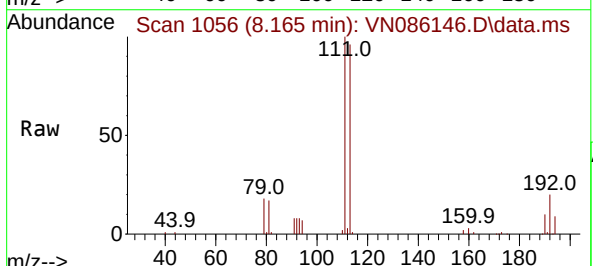
Tgt Ion:113 Resp: 116987

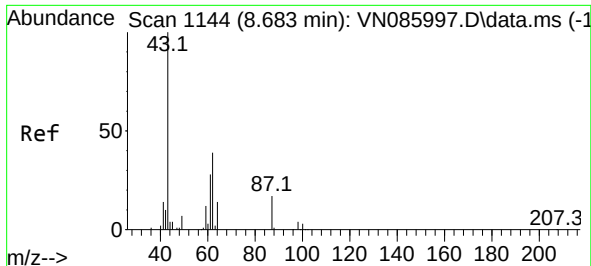
Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

192 19.4 15.9 23.9





#43

Isopropyl Acetate

Concen: 3.813 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086146.D

Acq: 28 Mar 2025 13:29

Instrument :

MSVOA_N

ClientSampleId :

TP-5

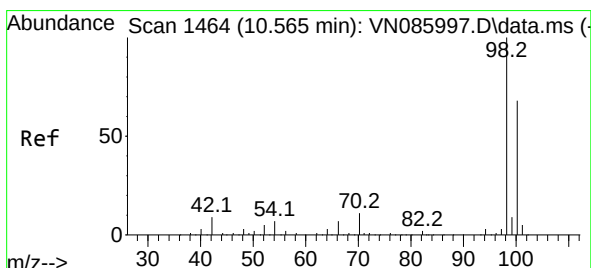
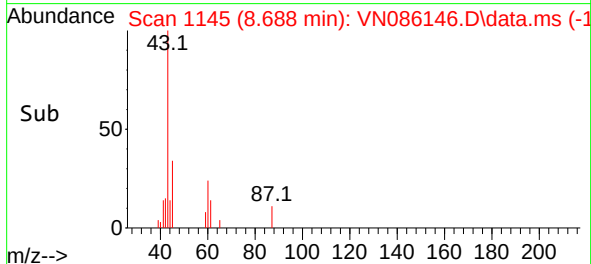
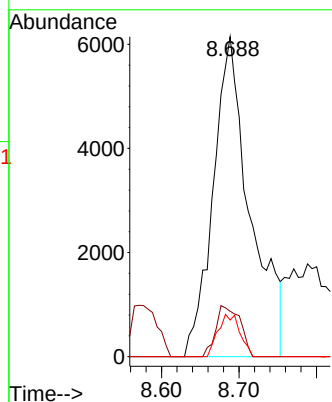
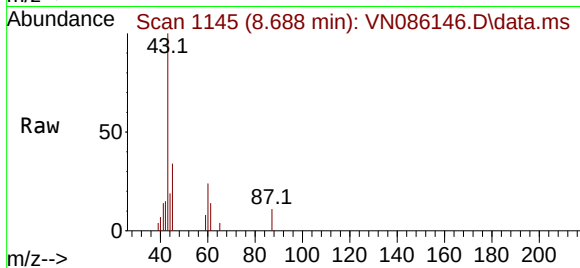
Tgt Ion: 43 Resp: 20374

Ion Ratio Lower Upper

43 100

61 10.5 25.0 37.6#

87 7.8 13.0 19.4#



#50

Toluene-d8

Concen: 52.555 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086146.D

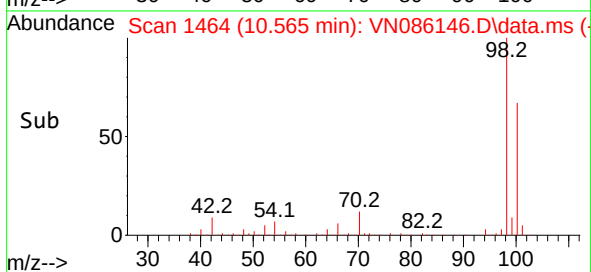
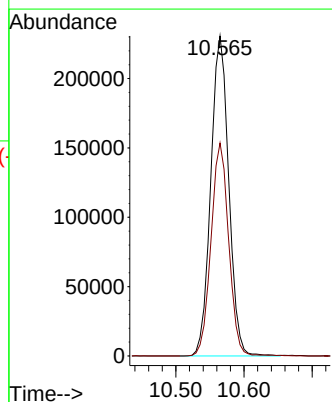
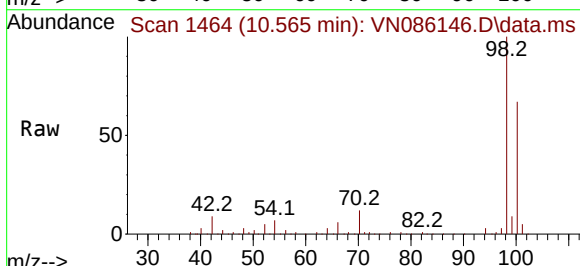
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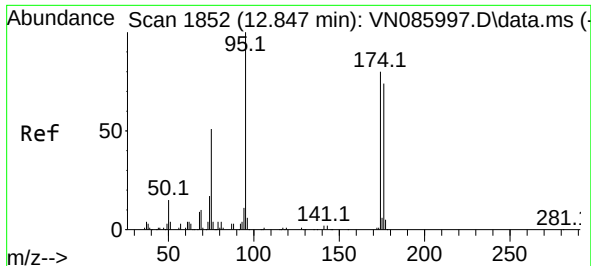
Tgt Ion: 98 Resp: 423351

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

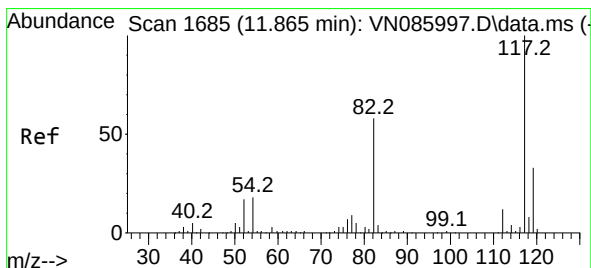
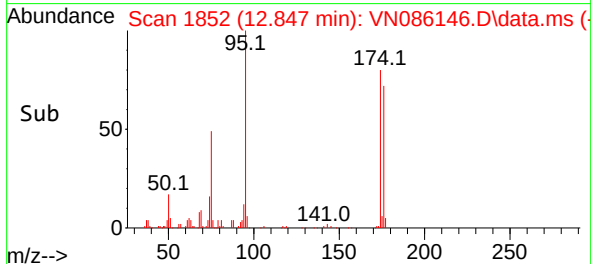
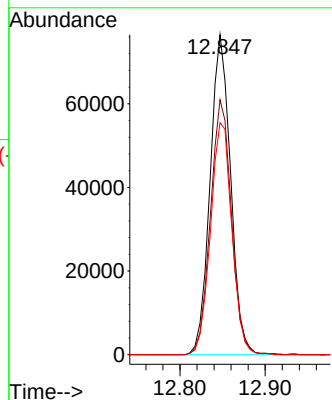
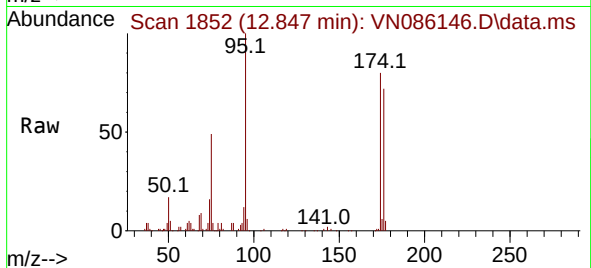




#62
4-Bromofluorobenzene
Concen: 44.394 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

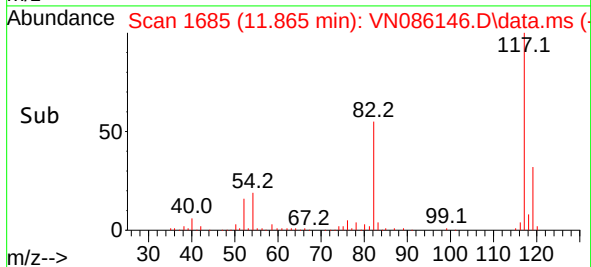
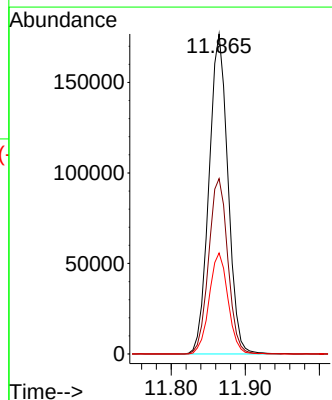
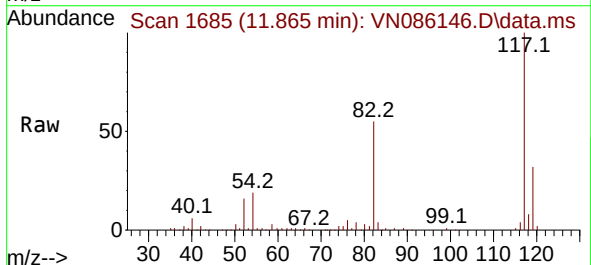
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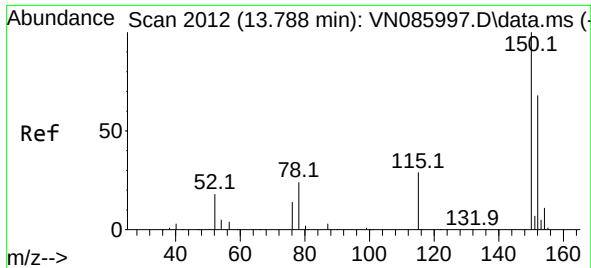
Tgt Ion: 95 Resp: 127536
Ion Ratio Lower Upper
95 100
174 81.9 0.0 156.8
176 75.9 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086146.D
Acq: 28 Mar 2025 13:29

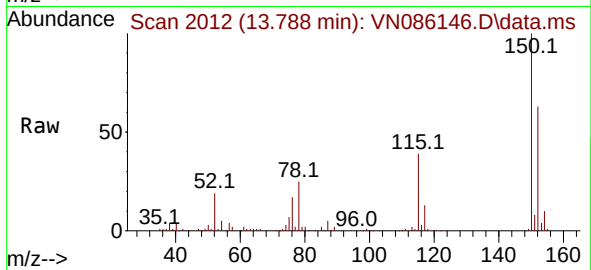
Tgt Ion: 117 Resp: 313297
Ion Ratio Lower Upper
117 100
82 54.8 46.7 70.1
119 31.6 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086146.D
 Acq: 28 Mar 2025 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5



Tgt Ion:152 Resp: 117360
 Ion Ratio Lower Upper
 152 100
 115 60.4 31.1 93.2
 150 157.3 0.0 359.6

