

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078673.D
 Acq On : 27 Jul 2023 20:35
 Operator : JC\MD
 Sample : 03770-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HOWE-2-LP

Quant Time: Jul 28 01:13:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

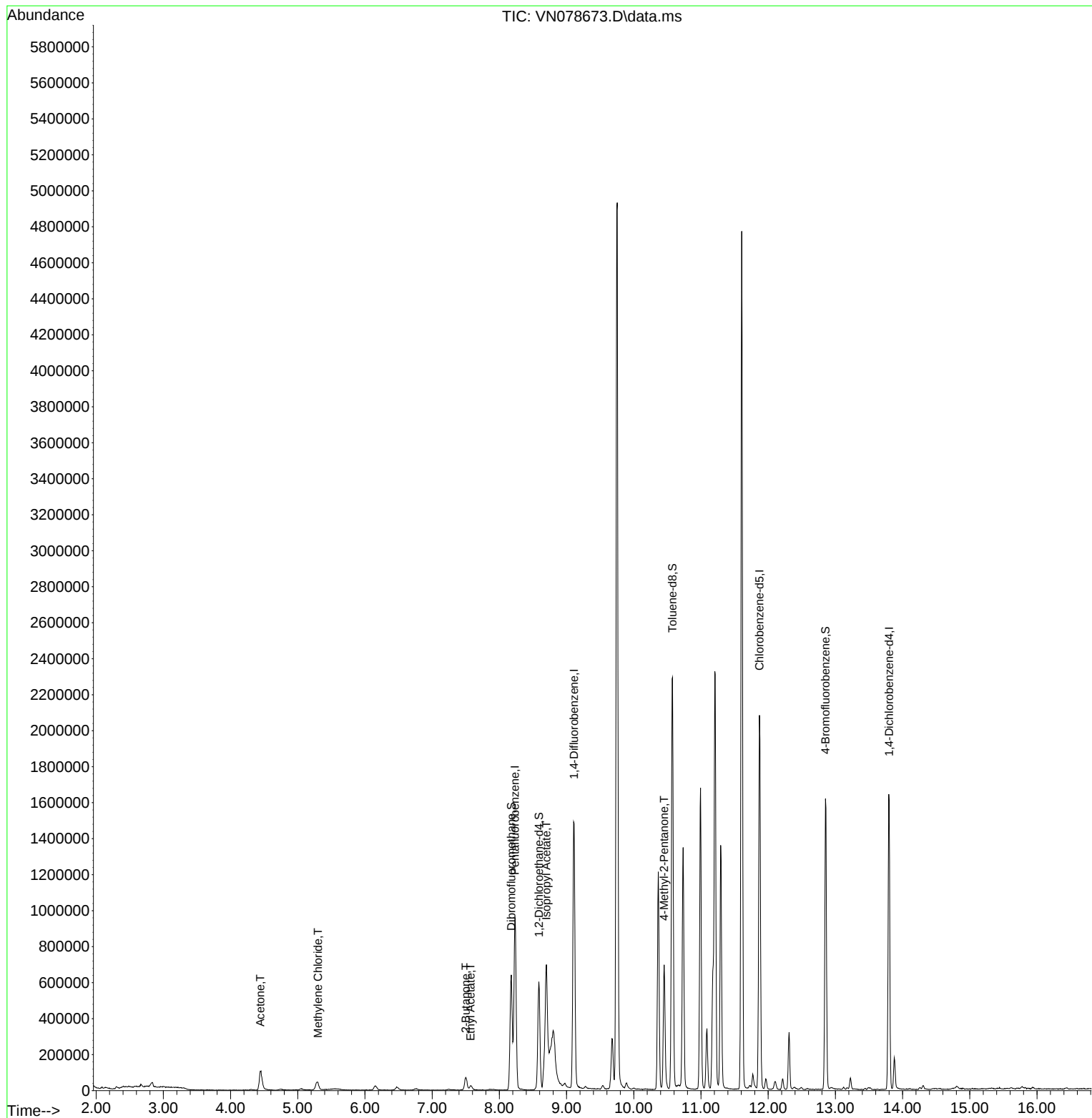
Internal Standards						
1) Pentafluorobenzene	8.230	168	738938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1364049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1271598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	466357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	494069	49.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.740%
35) Dibromofluoromethane	8.177	113	476382	51.447	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.900%
50) Toluene-d8	10.577	98	1690811	48.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.680%
62) 4-Bromofluorobenzene	12.853	95	594855	55.209	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.420%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	201196	65.201	ug/l	94
20) Methylene Chloride	5.300	84	37561	3.097	ug/l #	93
25) 2-Butanone	7.500	43	113993	23.468	ug/l #	81
37) Ethyl Acetate	7.571	43	39221	3.519	ug/l	97
43) Isopropyl Acetate	8.700	43	879038	47.905	ug/l #	75
51) 4-Methyl-2-Pentanone	10.453	43	482998	44.253	ug/l	93

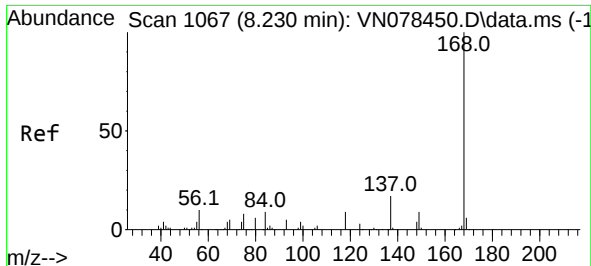
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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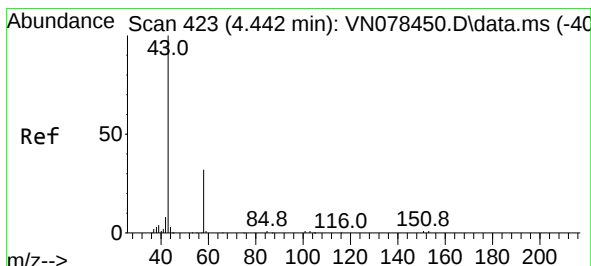
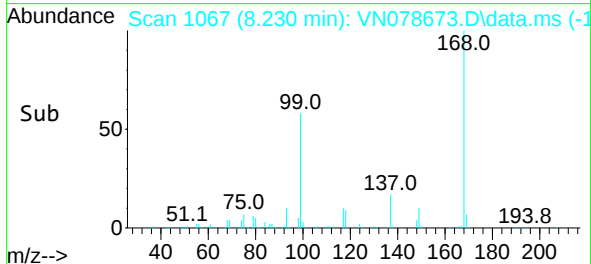
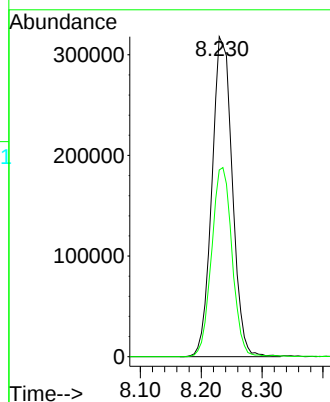
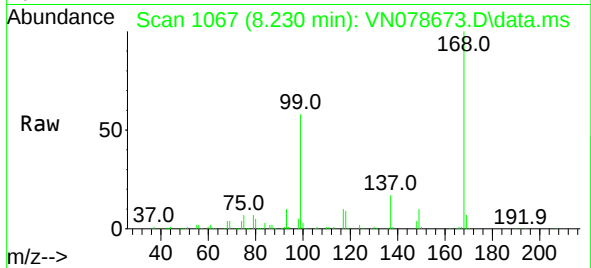




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

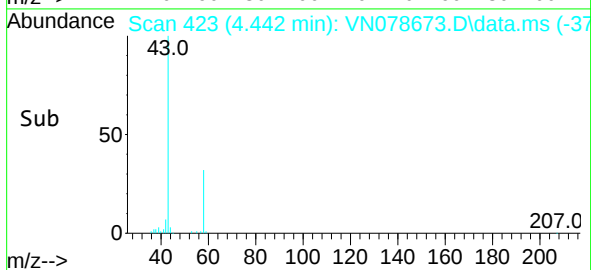
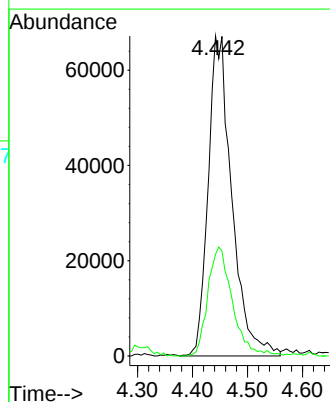
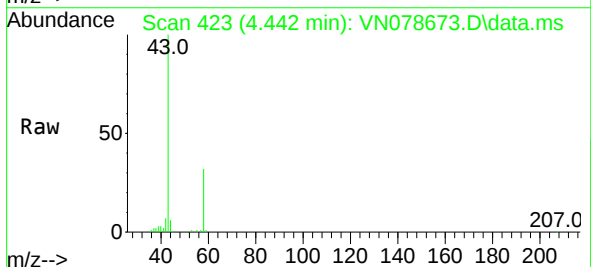
Instrument :
MSVOA_N
ClientSampleId :
HOWE-2-LP

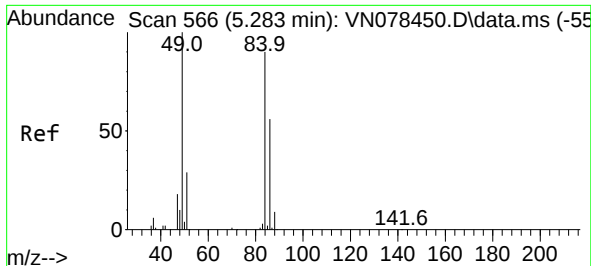
Tgt Ion:168 Resp: 738938
Ion Ratio Lower Upper
168 100
99 58.4 53.0 79.6



#16
Acetone
Concen: 65.201 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

Tgt Ion: 43 Resp: 201196
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0

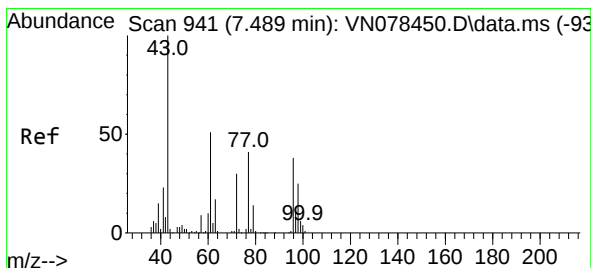
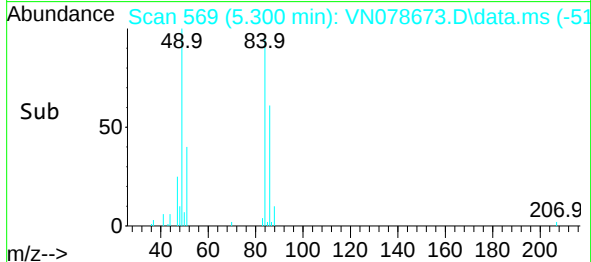
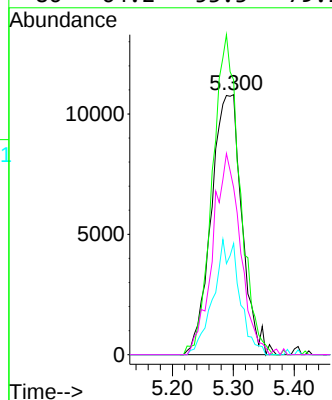
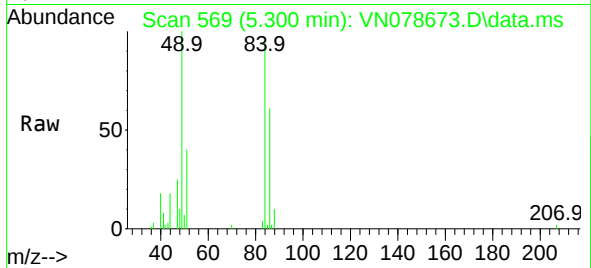




#20
Methylene Chloride
Concen: 3.097 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

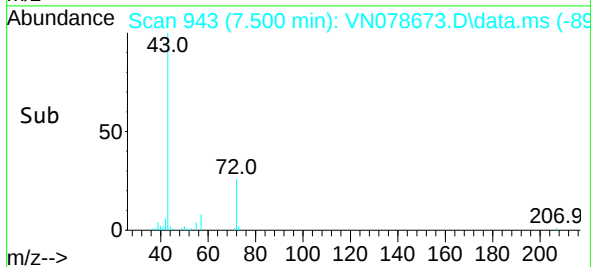
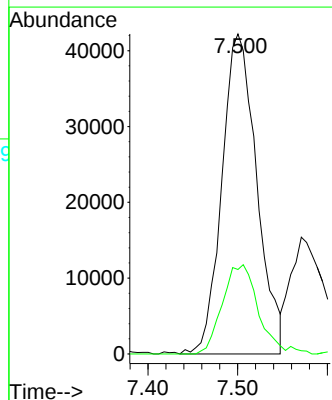
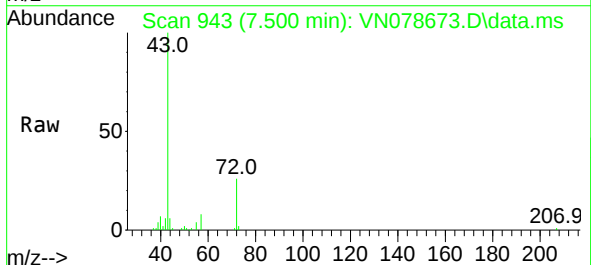
Instrument :
MSVOA_N
ClientSampleId :
HOWE-2-LP

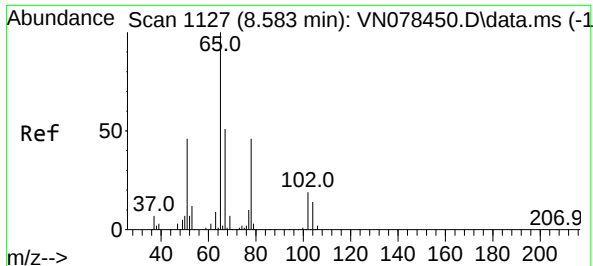
Tgt Ion:	84	Resp:	37561
Ion	Ratio	Lower	Upper
84	100		
49	105.7	79.7	119.5
51	42.8	25.2	37.8#
86	64.2	53.3	79.9



#25
2-Butanone
Concen: 23.468 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

Tgt Ion:	43	Resp:	113993
Ion	Ratio	Lower	Upper
43	100		
72	26.4	30.2	45.2#





#33

1,2-Dichloroethane-d4

Concen: 49.874 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

Instrument :

MSVOA_N

ClientSampleId :

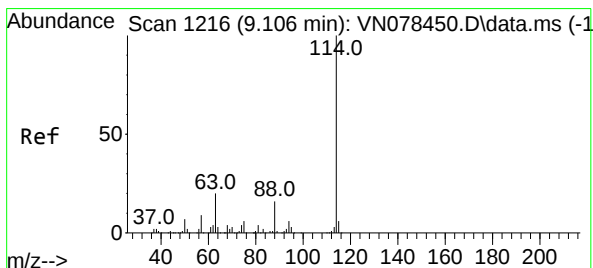
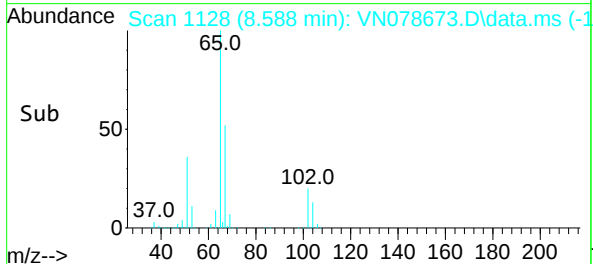
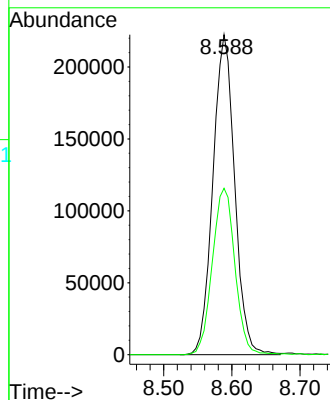
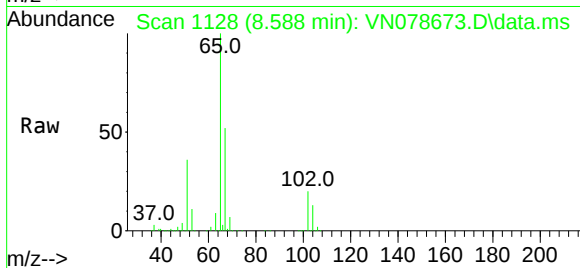
HOWE-2-LP

Tgt Ion: 65 Resp: 494069

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

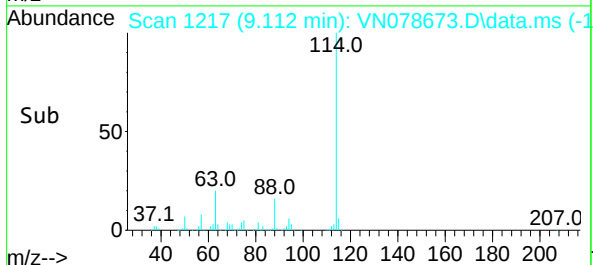
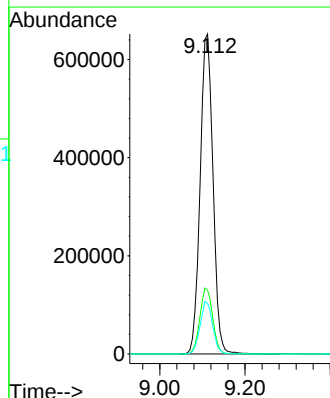
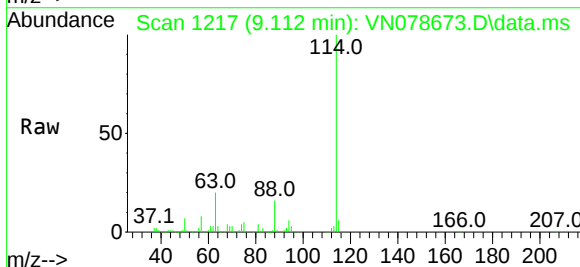
Tgt Ion: 114 Resp: 1364049

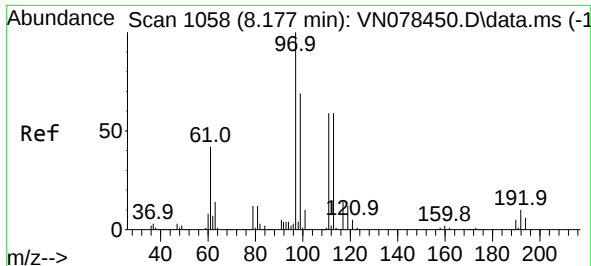
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.447 ug/l

RT: 8.177 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

Instrument :

MSVOA_N

ClientSampleId :

HOWE-2-LP

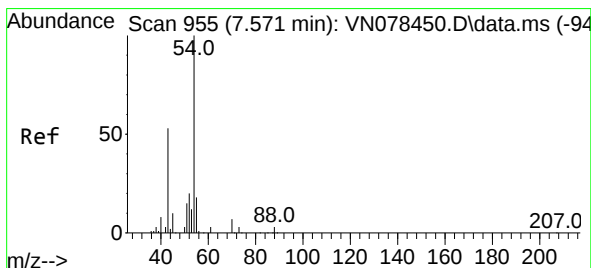
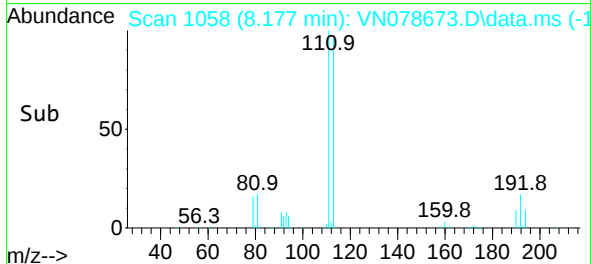
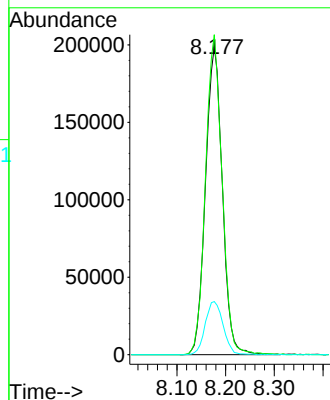
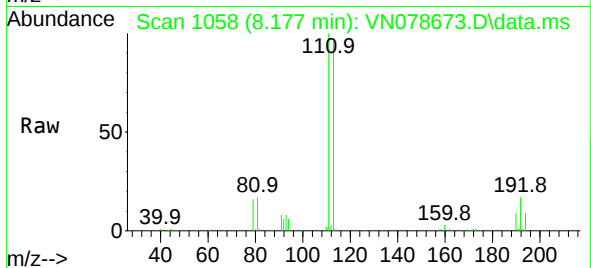
Tgt Ion:113 Resp: 476382

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 18.4 12.7 19.1



#37

Ethyl Acetate

Concen: 3.519 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

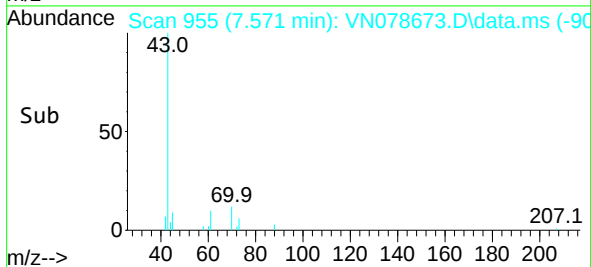
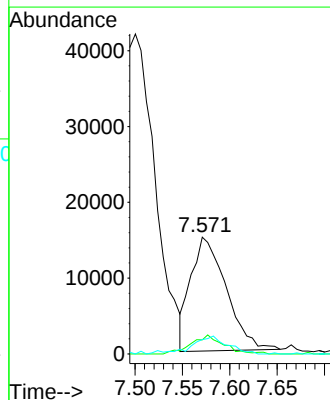
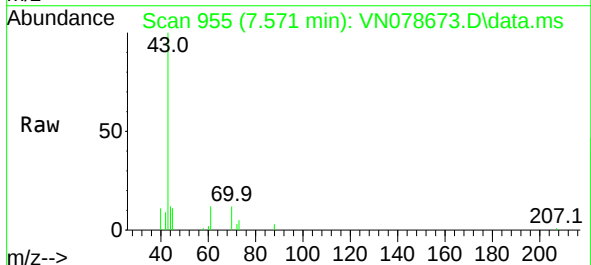
Tgt Ion: 43 Resp: 39221

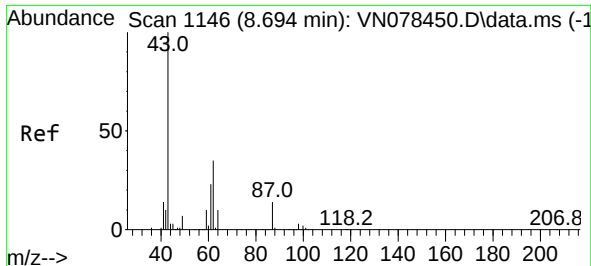
Ion Ratio Lower Upper

43 100

61 15.2 13.2 19.8

70 14.9 11.3 16.9

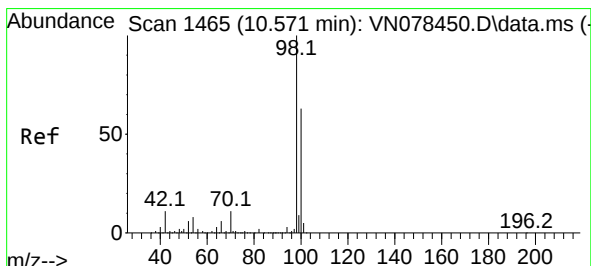
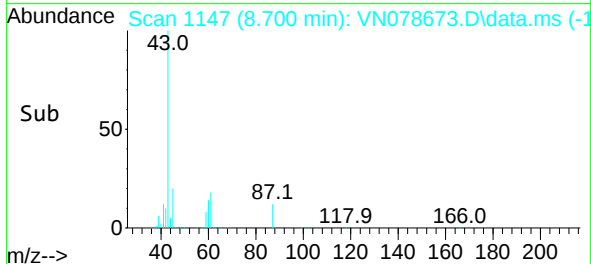
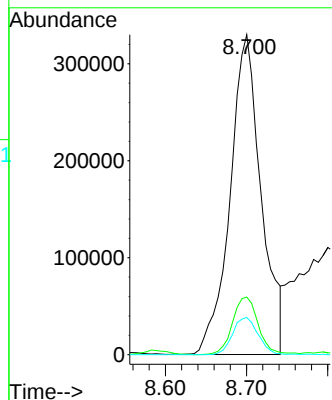
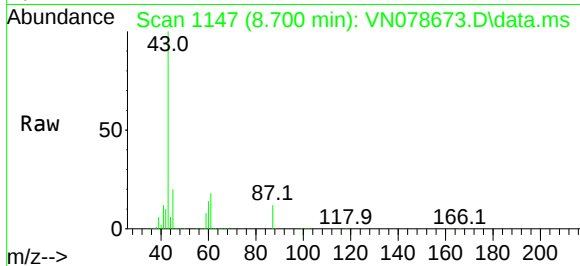




#43
Isopropyl Acetate
Concen: 47.905 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

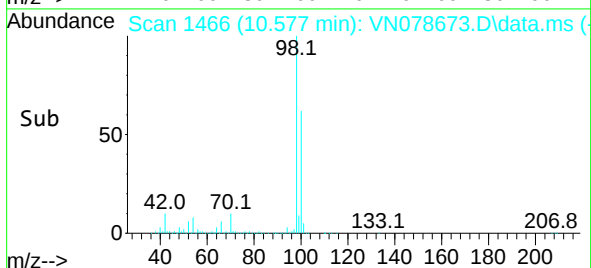
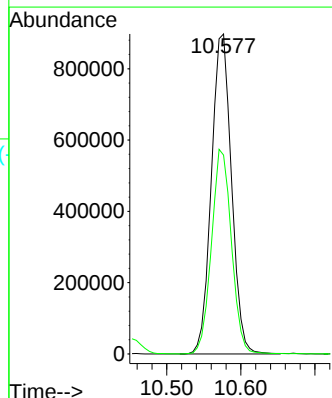
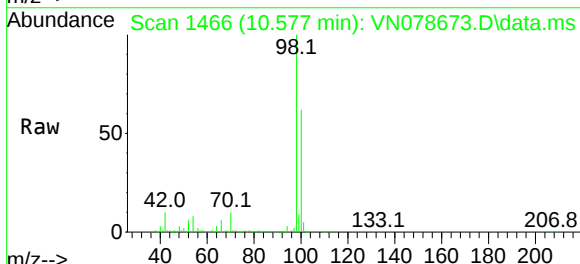
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HOWE-2-LP

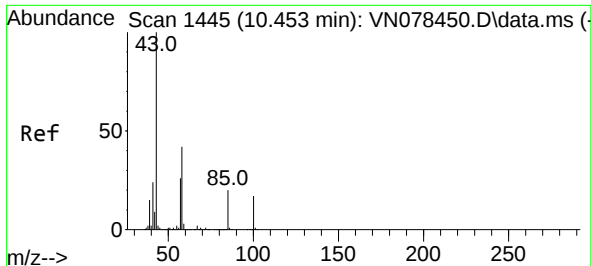
Tgt Ion: 43 Resp: 879038
Ion Ratio Lower Upper
43 100
61 15.0 24.7 37.1#
87 9.5 14.6 21.8#



#50
Toluene-d8
Concen: 48.337 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

Tgt Ion: 98 Resp: 1690811
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

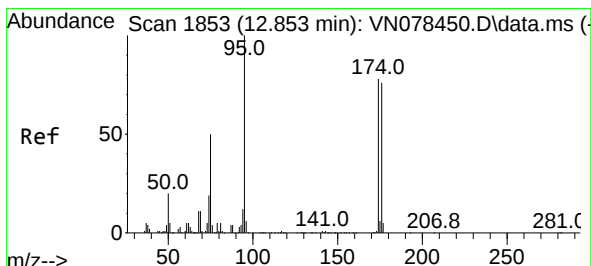
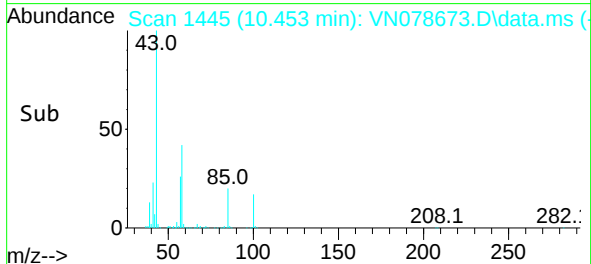
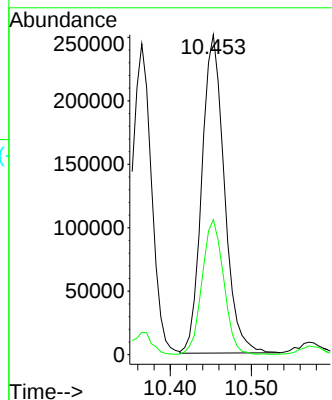
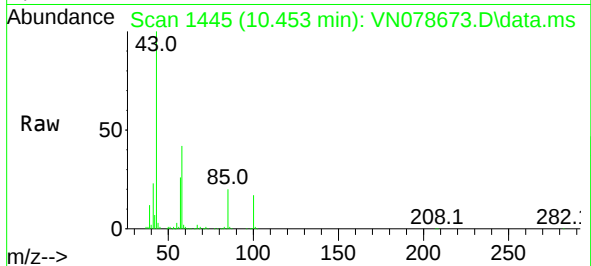




#51
4-Methyl-2-Pentanone
Concen: 44.253 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

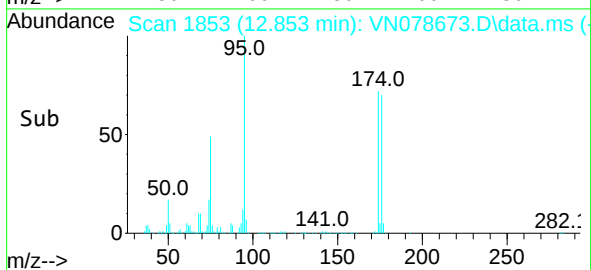
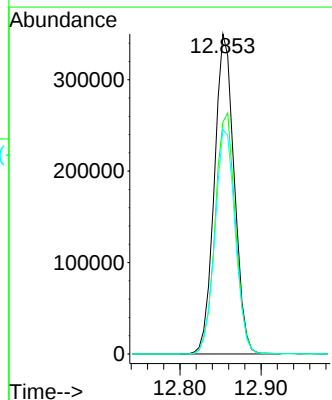
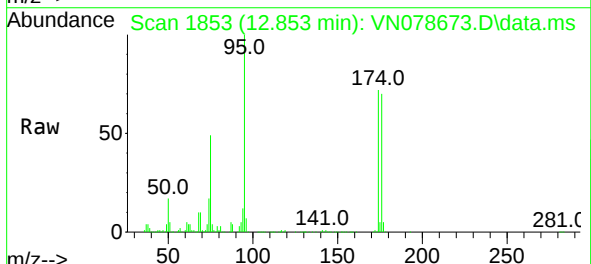
Instrument :
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HOWE-2-LP

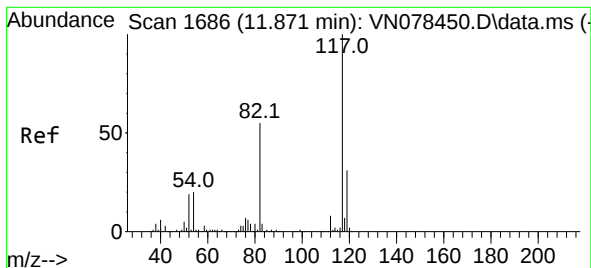
Tgt Ion: 43 Resp: 482998
Ion Ratio Lower Upper
43 100
58 40.9 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 55.209 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078673.D
Acq: 27 Jul 2023 20:35

Tgt Ion: 95 Resp: 594855
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.8 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

Instrument :

MSVOA_N

ClientSampleId :

HOWE-2-LP

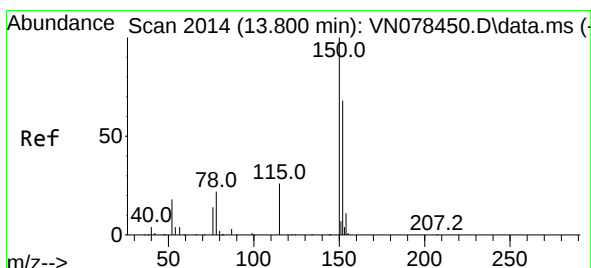
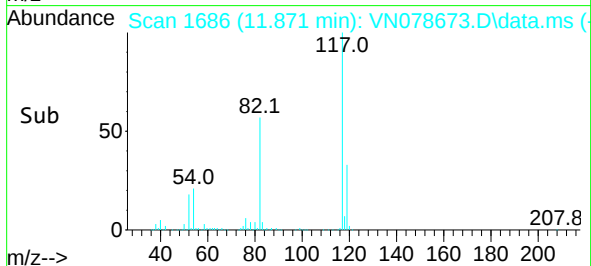
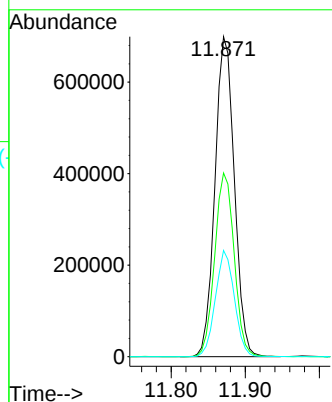
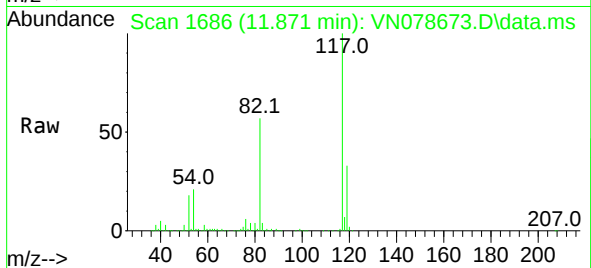
Tgt Ion:117 Resp: 1271598

Ion Ratio Lower Upper

117 100

82 57.4 44.0 66.0

119 33.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078673.D

Acq: 27 Jul 2023 20:35

Tgt Ion:152 Resp: 466357

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.8 0.0 355.8

