

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078669.D
 Acq On : 27 Jul 2023 18:58
 Operator : JC\MD
 Sample : 03768-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FL-1

Quant Time: Jul 28 01:11:10 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)

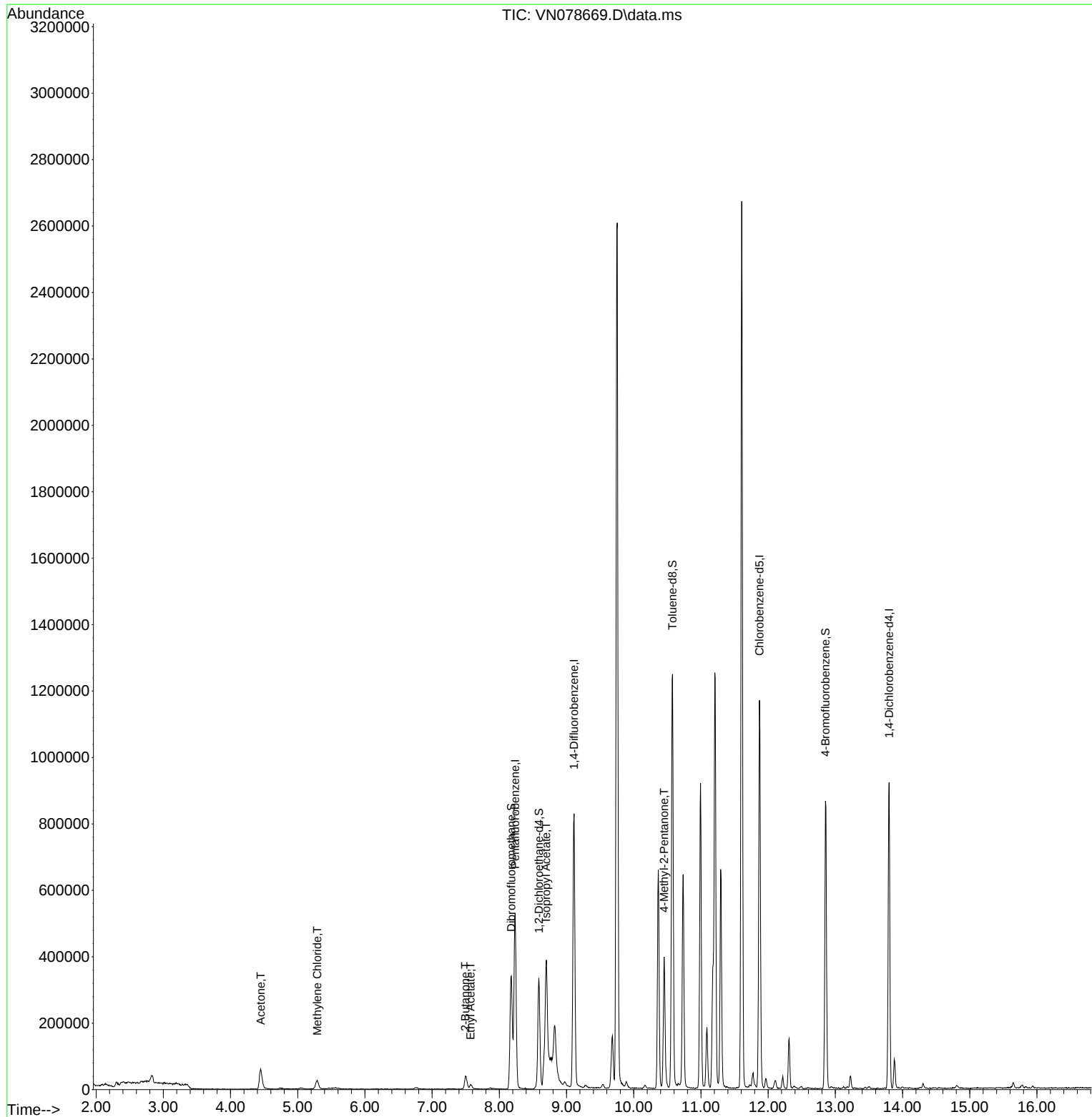
Internal Standards						
1) Pentafluorobenzene	8.236	168	404431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	733328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	704517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	261233	48.182	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.360%
35) Dibromofluoromethane	8.177	113	256729	51.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.140%
50) Toluene-d8	10.577	98	904349	48.089	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.853	95	302621	52.243	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.480%
Target Compounds						
					Qvalue	
16) Acetone	4.448	43	106453	63.031	ug/l	99
20) Methylene Chloride	5.289	84	20395	3.062	ug/l	96
25) 2-Butanone	7.494	43	62256	23.417	ug/l #	82
37) Ethyl Acetate	7.571	43	22596	3.771	ug/l #	90
43) Isopropyl Acetate	8.694	43	548997	55.651	ug/l #	71
51) 4-Methyl-2-Pentanone	10.453	43	264578	45.090	ug/l	89

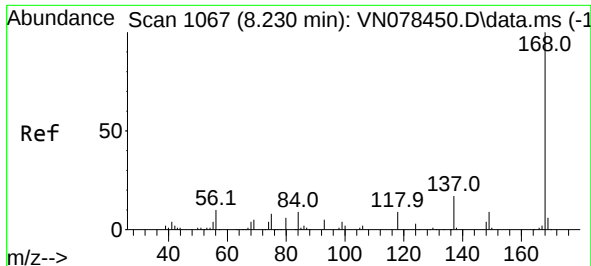
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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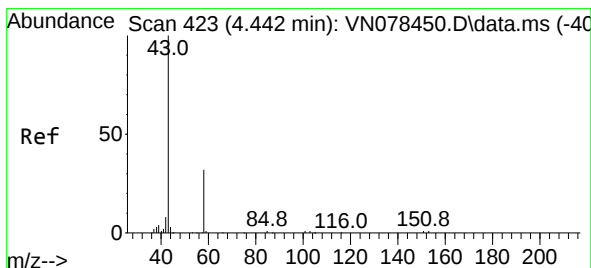
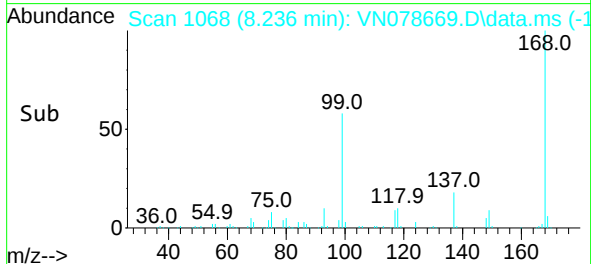
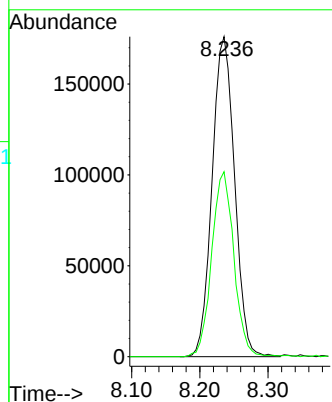
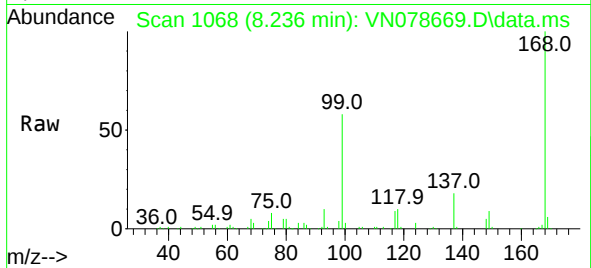




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

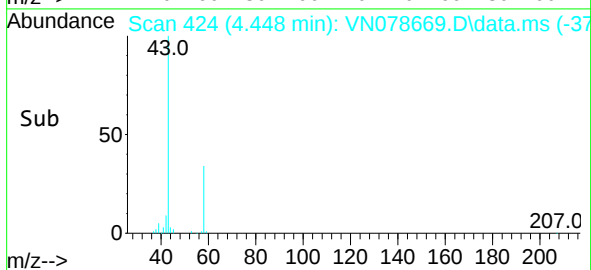
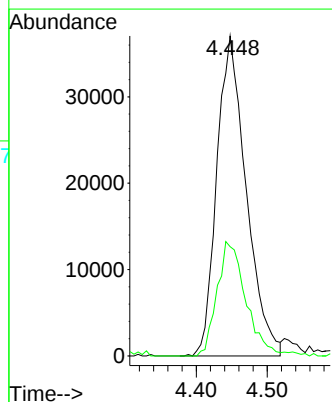
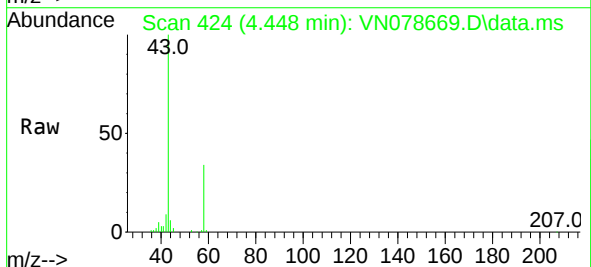
Instrument :
MSVOA_N
ClientSampleId :
FL-1

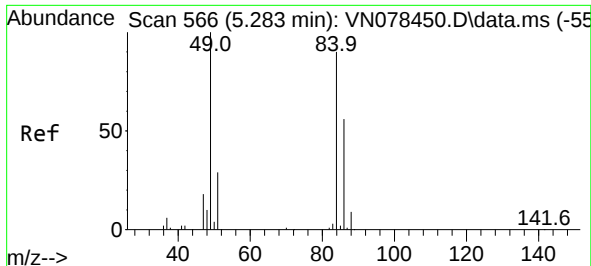
Tgt Ion:168 Resp: 404431
Ion Ratio Lower Upper
168 100
99 57.8 53.0 79.6



#16
Acetone
Concen: 63.031 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

Tgt Ion: 43 Resp: 106453
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0





#20

Methylene Chloride

Concen: 3.062 ug/l

RT: 5.289 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN078669.D

Acq: 27 Jul 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

FL-1

Tgt Ion: 84 Resp: 20395

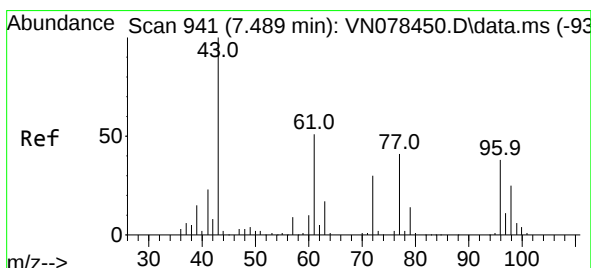
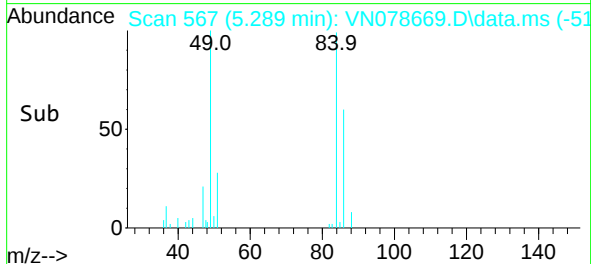
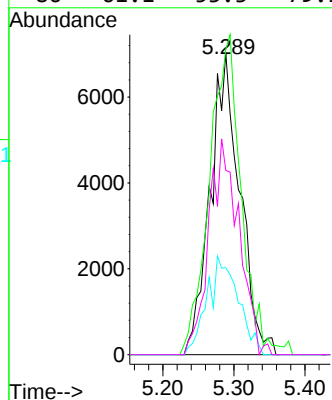
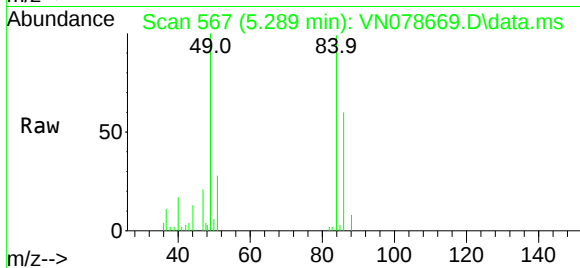
Ion Ratio Lower Upper

84 100

49 101.2 79.7 119.5

51 28.8 25.2 37.8

86 61.1 53.3 79.9



#25

2-Butanone

Concen: 23.417 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.005 min

Lab File: VN078669.D

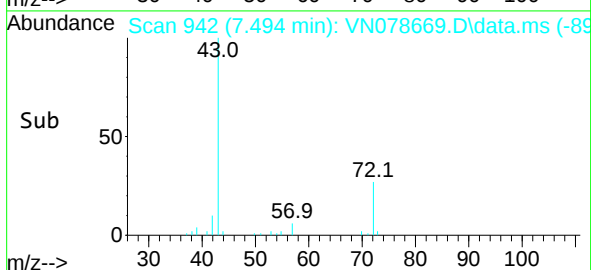
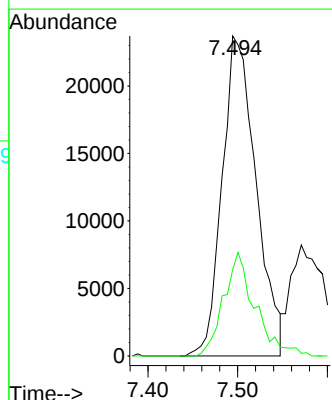
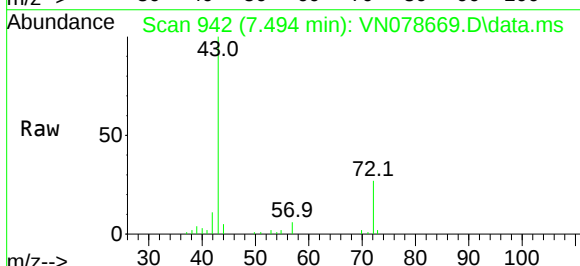
Acq: 27 Jul 2023 18:58

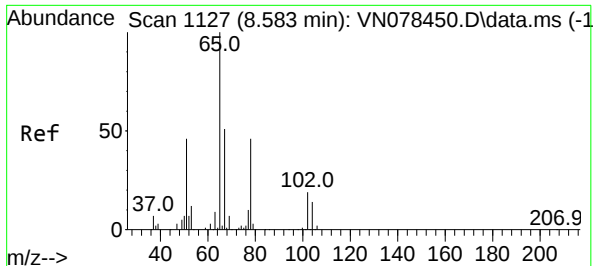
Tgt Ion: 43 Resp: 62256

Ion Ratio Lower Upper

43 100

72 27.0 30.2 45.2#

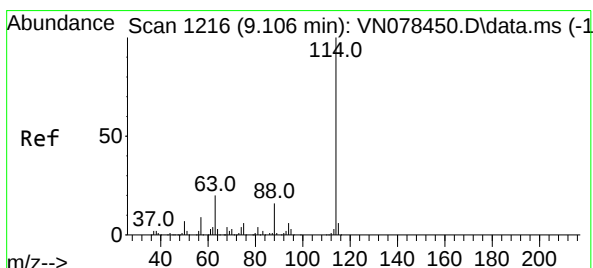
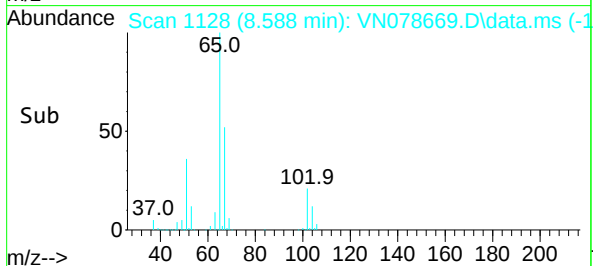
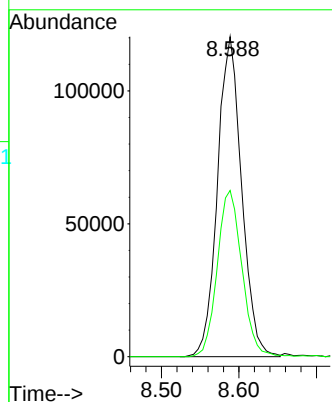
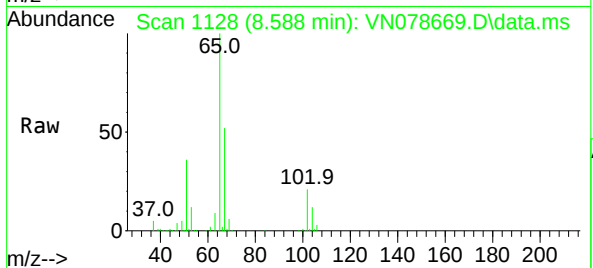




#33
1,2-Dichloroethane-d4
Concen: 48.182 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

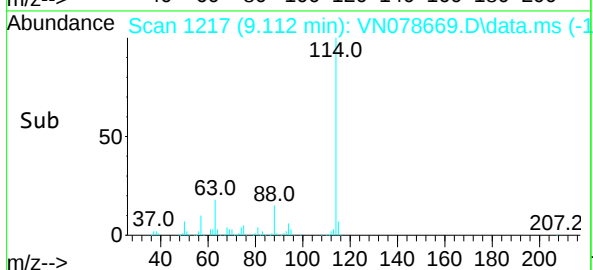
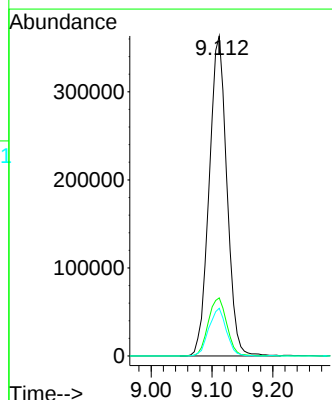
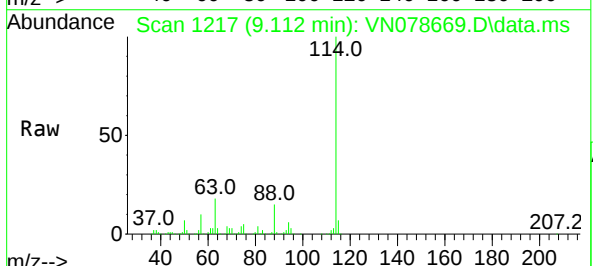
Instrument :
MSVOA_N
ClientSampleId :
FL-1

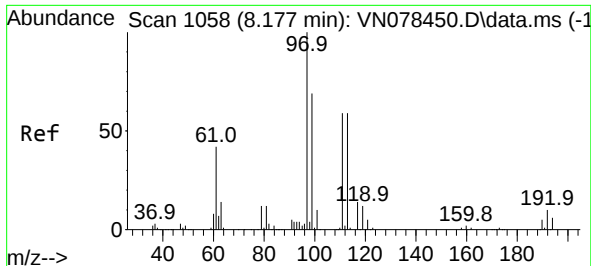
Tgt Ion: 65 Resp: 261233
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

Tgt Ion: 114 Resp: 733328
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.4
88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.572 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078669.D

Acq: 27 Jul 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

FL-1

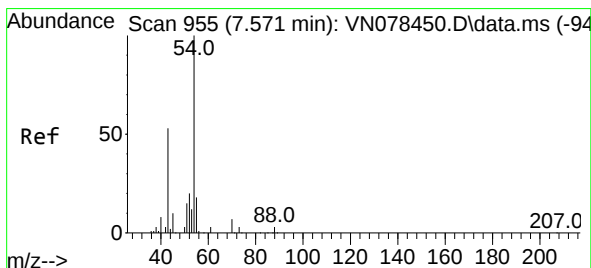
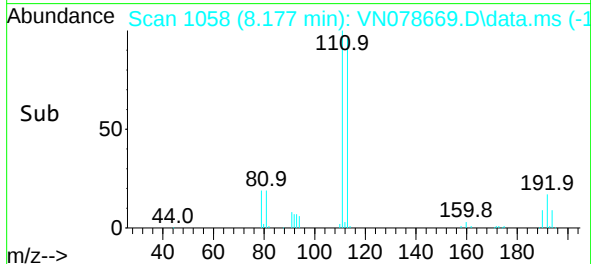
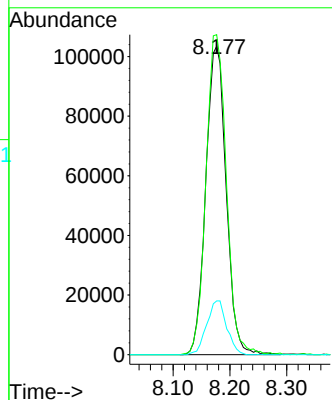
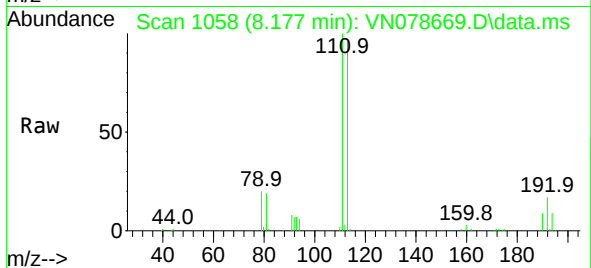
Tgt Ion:113 Resp: 256729

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 17.1 12.7 19.1



#37

Ethyl Acetate

Concen: 3.771 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN078669.D

Acq: 27 Jul 2023 18:58

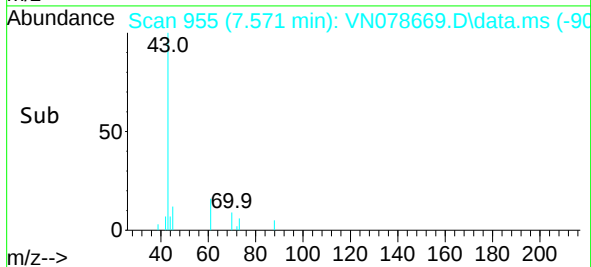
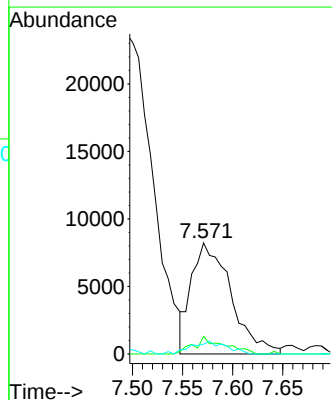
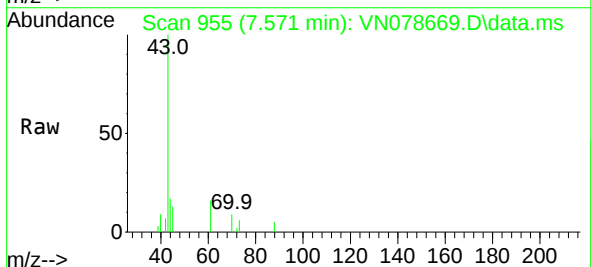
Tgt Ion: 43 Resp: 22596

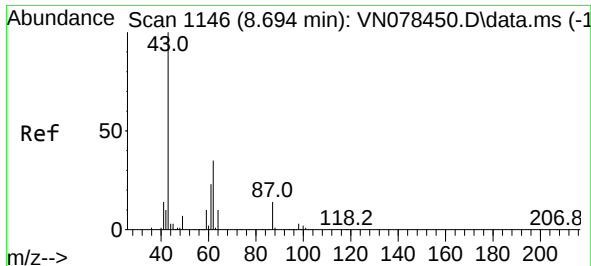
Ion Ratio Lower Upper

43 100

61 12.0 13.2 19.8#

70 10.2 11.3 16.9#

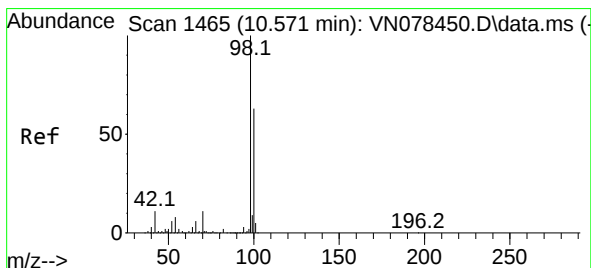
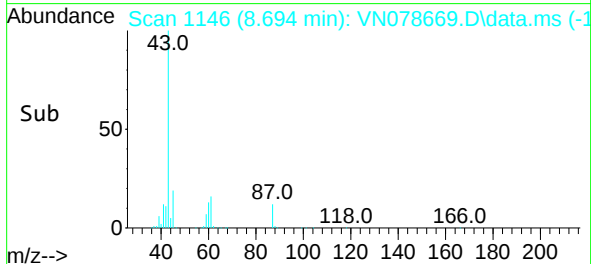
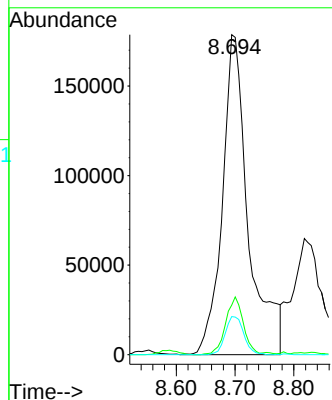
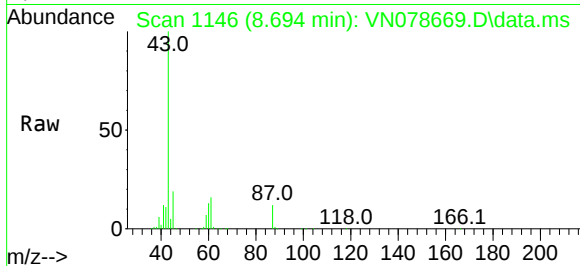




#43
Isopropyl Acetate
Concen: 55.651 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

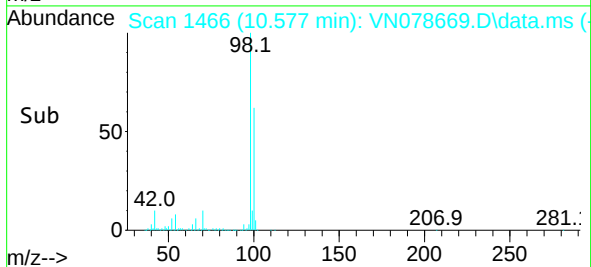
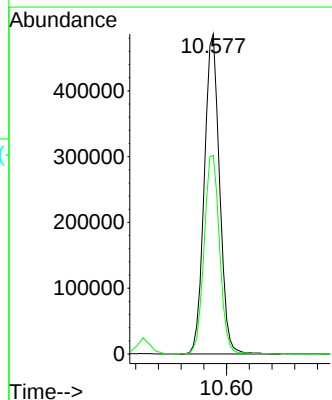
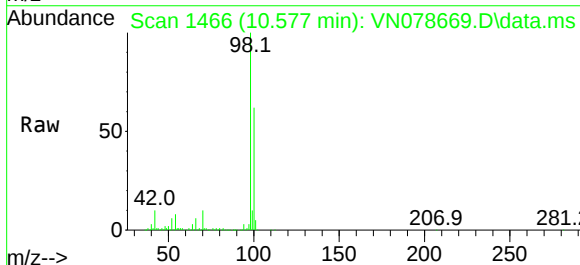
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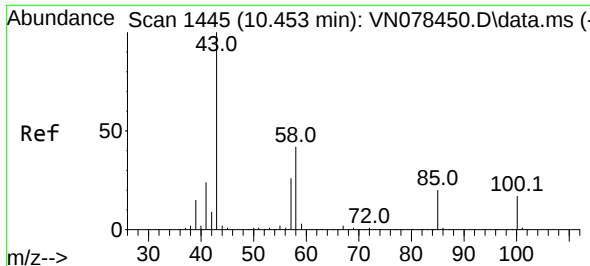
Tgt Ion: 43 Resp: 548997
Ion Ratio Lower Upper
43 100
61 12.4 24.7 37.1#
87 8.5 14.6 21.8#



#50
Toluene-d8
Concen: 48.089 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

Tgt Ion: 98 Resp: 904349
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

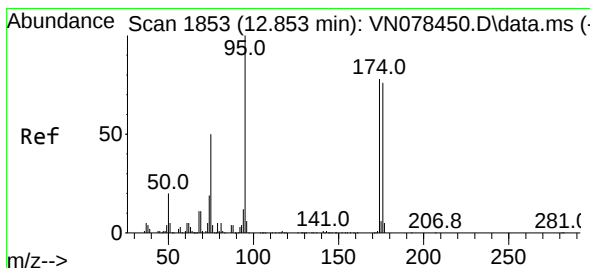
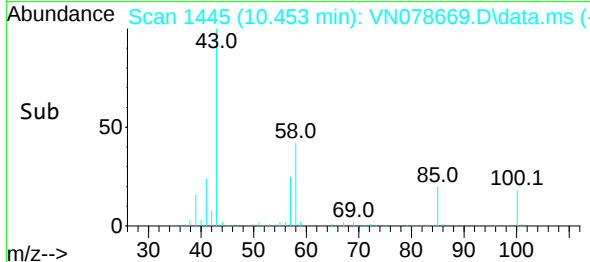
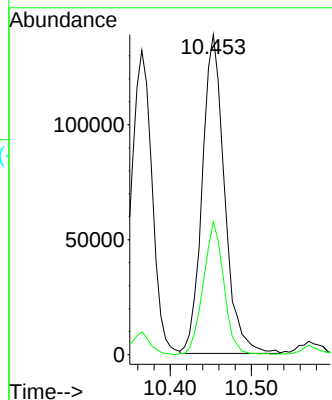
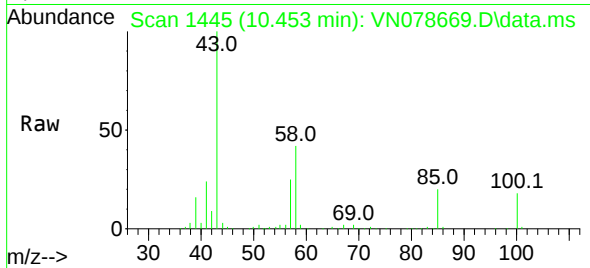




#51
4-Methyl-2-Pentanone
Concen: 45.090 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

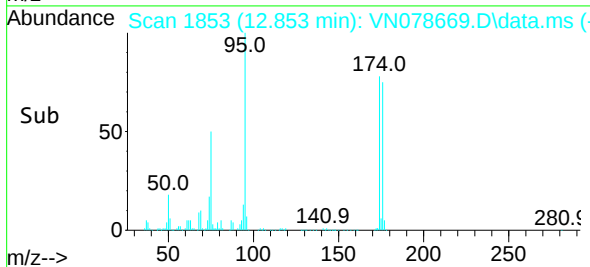
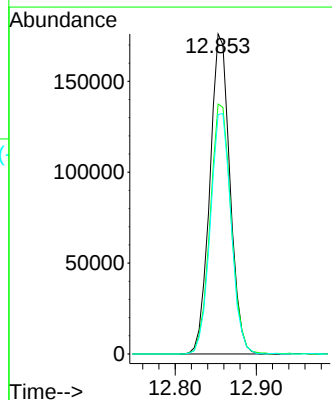
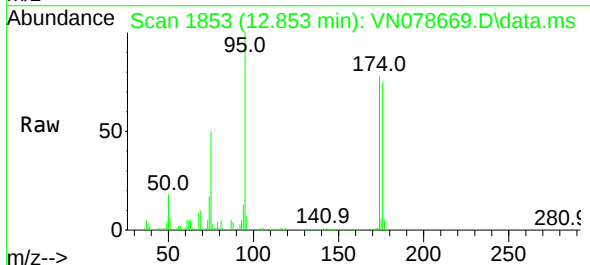
Instrument :
MSVOA_N
ClientSampleId :
FL-1

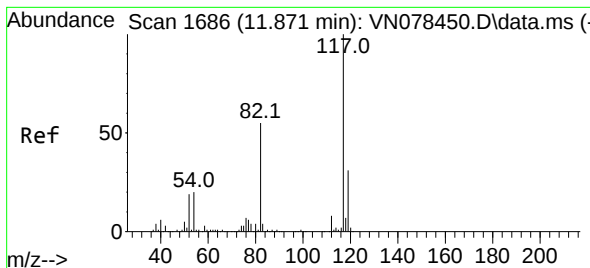
Tgt Ion: 43 Resp: 264578
Ion Ratio Lower Upper
43 100
58 38.6 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 52.243 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078669.D
Acq: 27 Jul 2023 18:58

Tgt Ion: 95 Resp: 302621
Ion Ratio Lower Upper
95 100
174 81.2 0.0 143.8
176 77.4 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: VN078669.D

Acq: 27 Jul 2023 18:58

Instrument :

MSVOA_N

ClientSampleId :

FL-1

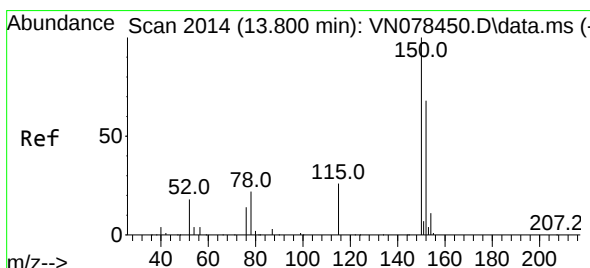
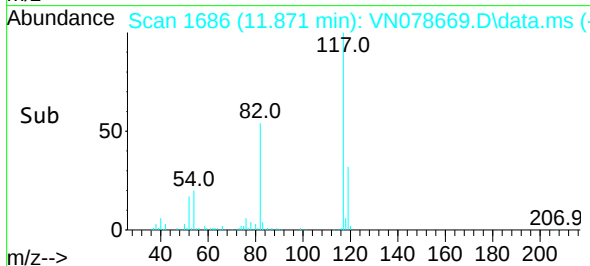
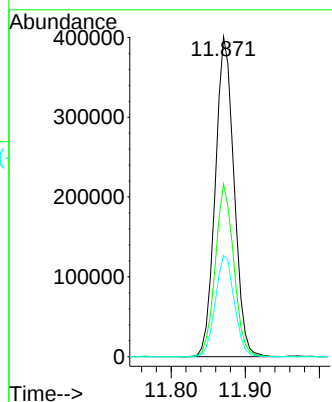
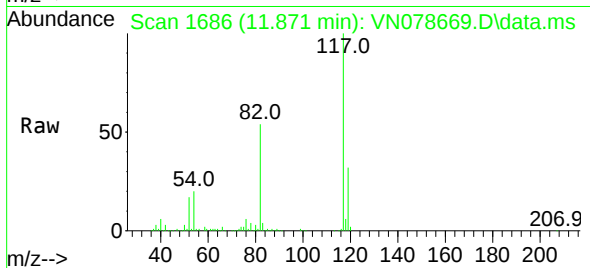
Tgt Ion:117 Resp: 704517

Ion Ratio Lower Upper

117 100

82 53.9 44.0 66.0

119 31.6 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: VN078669.D

Acq: 27 Jul 2023 18:58

Tgt Ion:152 Resp: 259577

Ion Ratio Lower Upper

152 100

115 57.0 32.3 96.8

150 155.1 0.0 355.8

