

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078203.D
 Acq On : 14 Jun 2023 14:08
 Operator : JC\MD
 Sample : 03160-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-B-0609-1

Quant Time: Jun 15 02:43:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

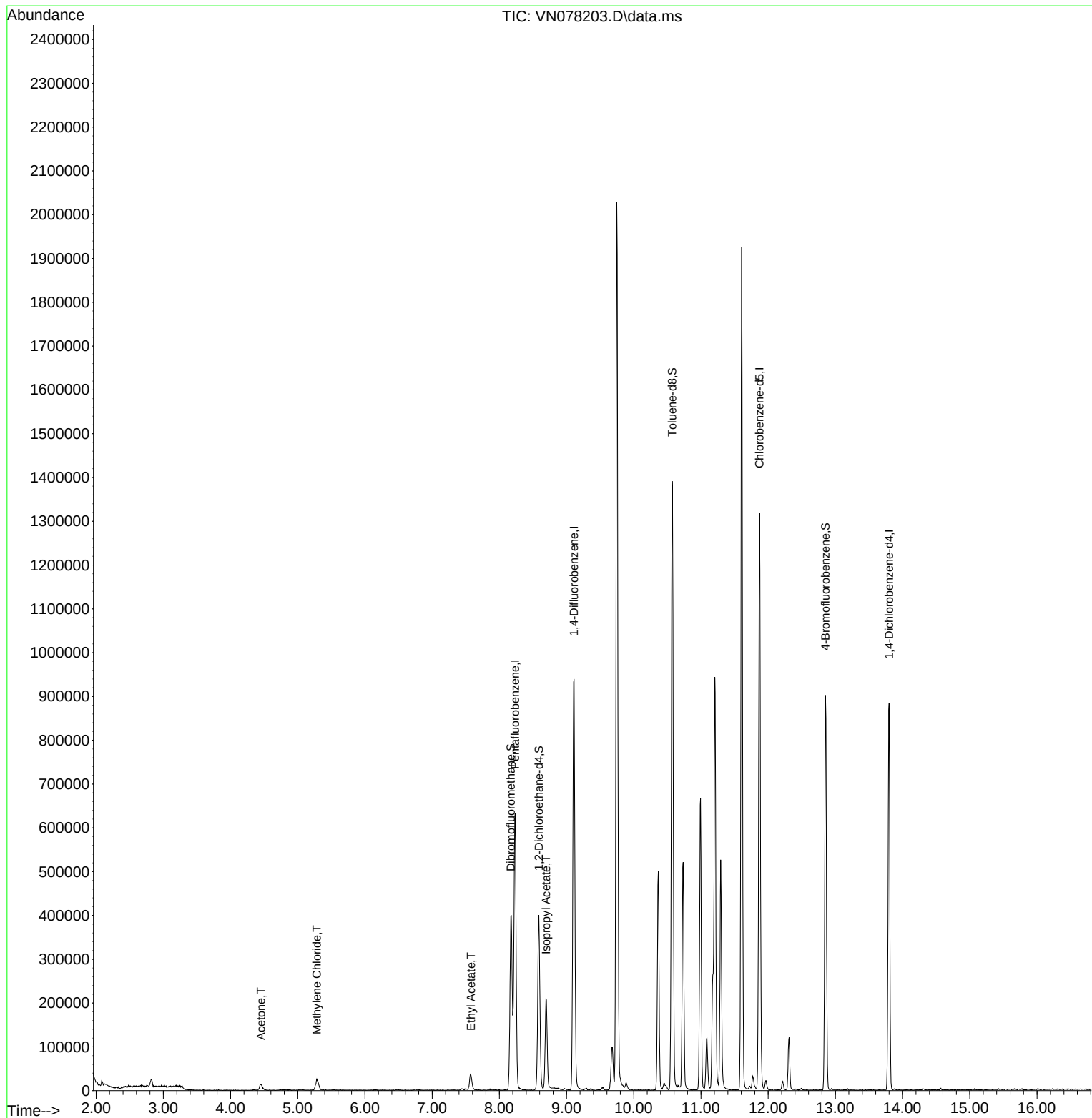
Internal Standards						
1) Pentafluorobenzene	8.235	168	452692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	844693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	773080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	324267	53.724	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.440%		
35) Dibromofluoromethane	8.171	113	293896	55.028	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.060%		
50) Toluene-d8	10.571	98	1021990	49.636	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.280%		
62) 4-Bromofluorobenzene	12.853	95	323225	50.497	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.000%		
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	25686	14.785	ug/l #	84
20) Methylene Chloride	5.283	84	20523	3.575	ug/l	98
37) Ethyl Acetate	7.577	43	55387	9.255	ug/l #	76
43) Isopropyl Acetate	8.694	43	230041	20.099	ug/l #	86

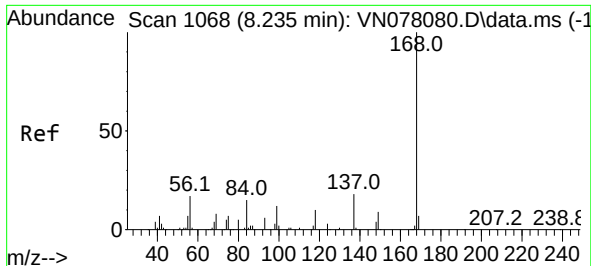
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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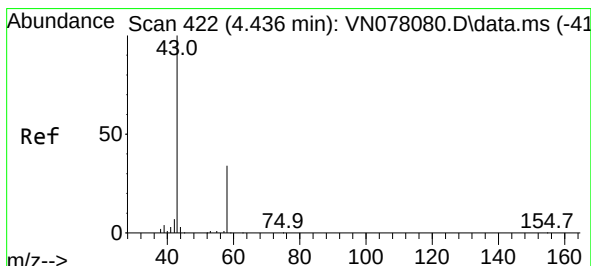
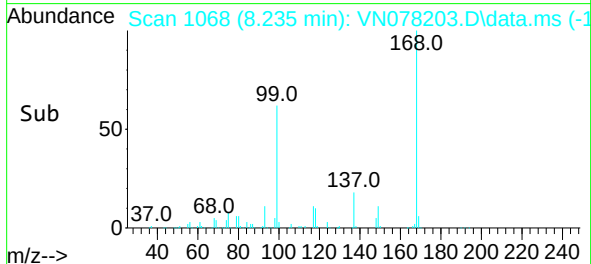
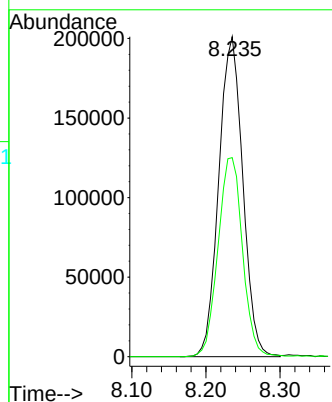
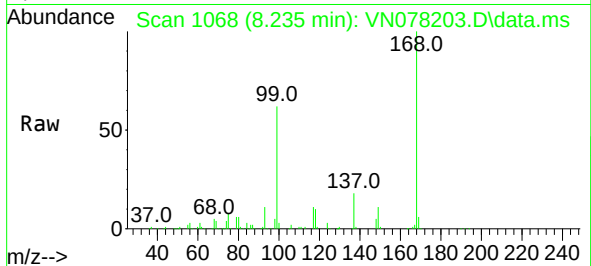




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

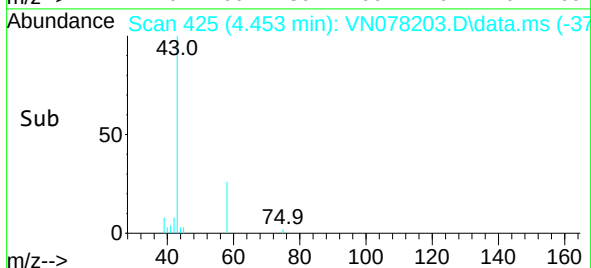
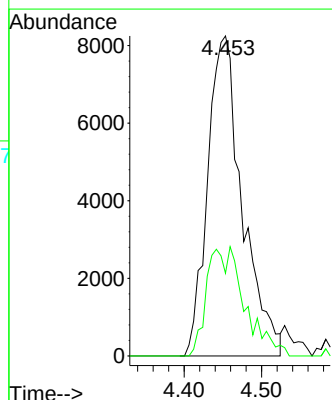
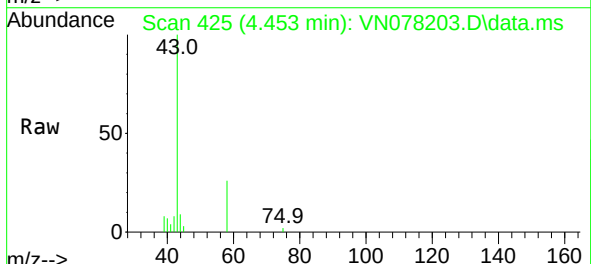
Instrument :
MSVOA_N
ClientSampleId :
PNNL-B-0609-1

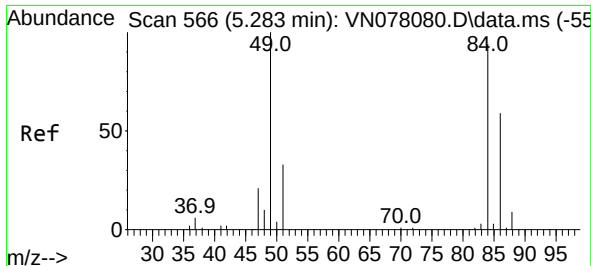
Tgt Ion:168 Resp: 452692
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#16
Acetone
Concen: 14.785 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

Tgt Ion: 43 Resp: 25686
Ion Ratio Lower Upper
43 100
58 25.8 28.0 42.0#

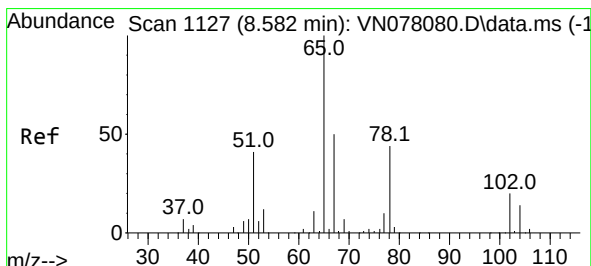
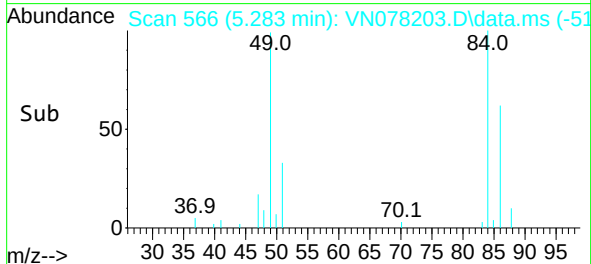
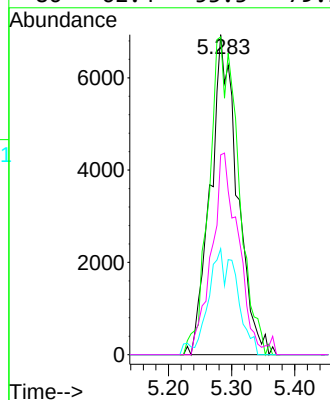
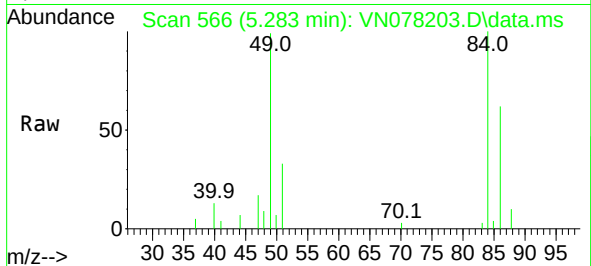




#20
Methylene Chloride
Concen: 3.575 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

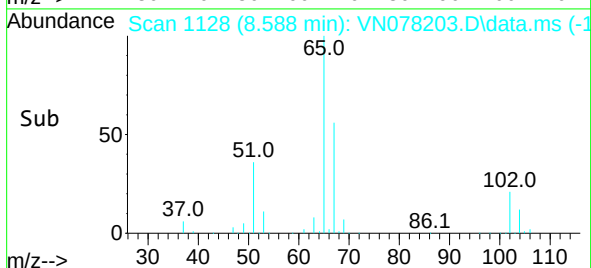
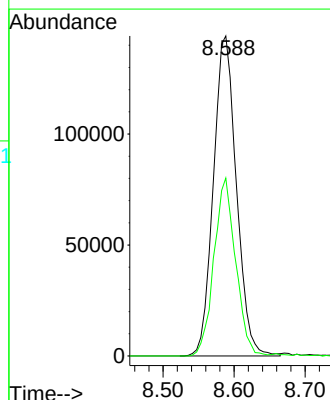
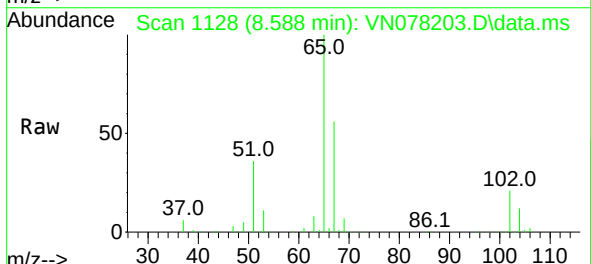
Instrument :
MSVOA_N
ClientSampleId :
PNNL-B-0609-1

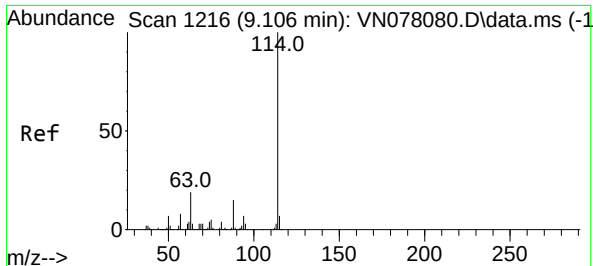
Tgt Ion:	84	Resp:	20523
Ion	Ratio	Lower	Upper
84	100		
49	99.3	79.7	119.5
51	33.1	25.2	37.8
86	62.4	53.3	79.9



#33
1,2-Dichloroethane-d4
Concen: 53.724 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

Tgt Ion:	65	Resp:	324267
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078203.D

Acq: 14 Jun 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

PNNL-B-0609-1

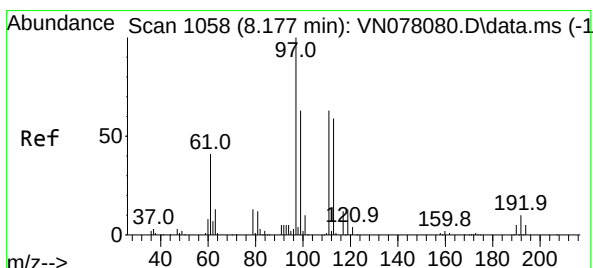
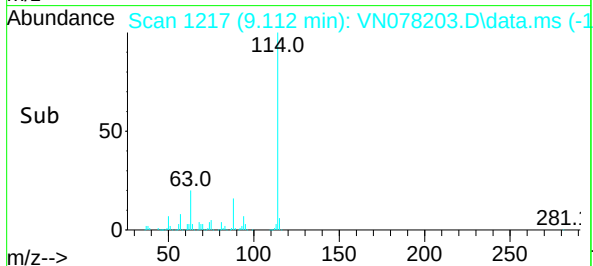
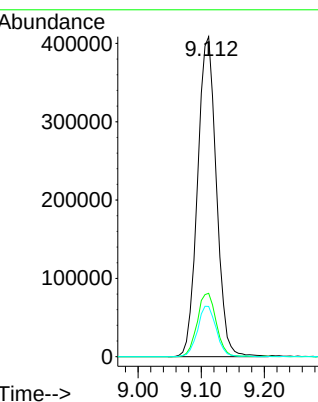
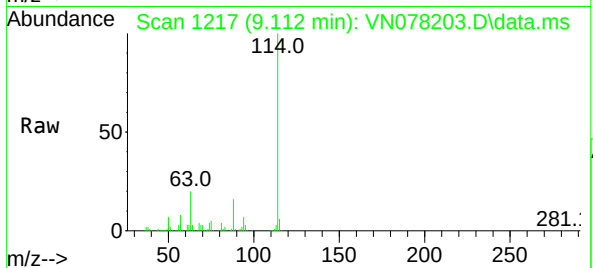
Tgt Ion:114 Resp: 844693

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.028 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078203.D

Acq: 14 Jun 2023 14:08

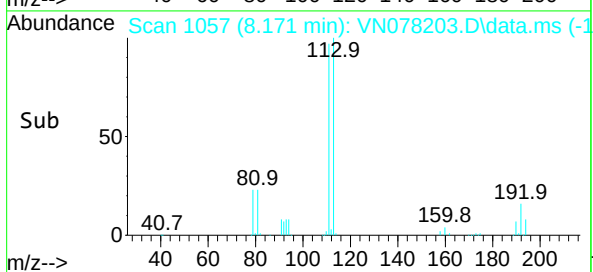
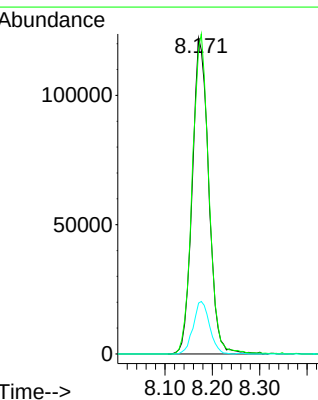
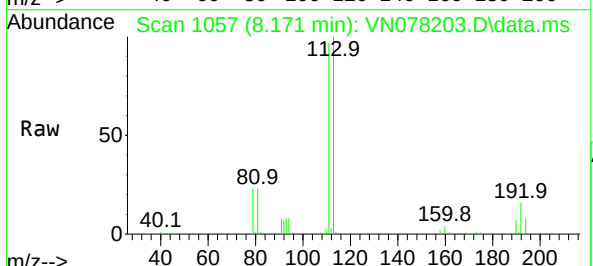
Tgt Ion:113 Resp: 293896

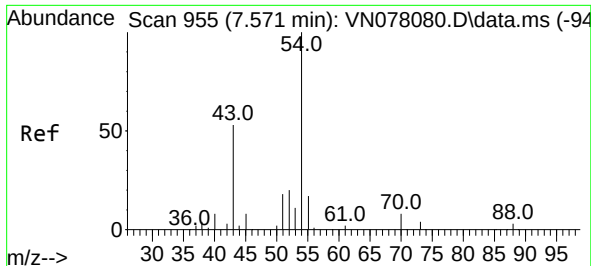
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 16.6 12.7 19.1

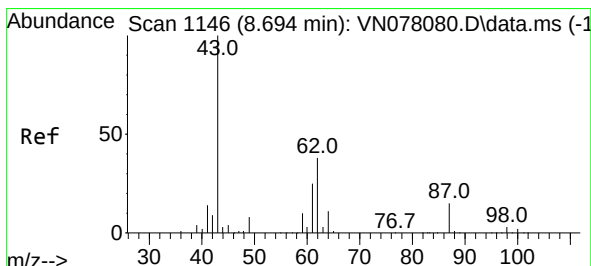
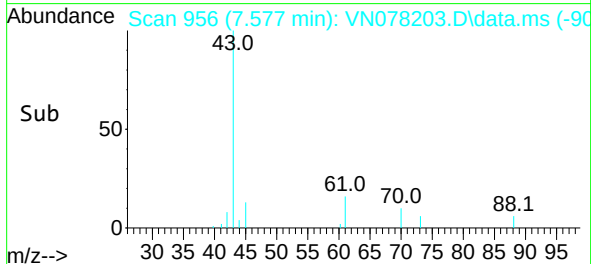
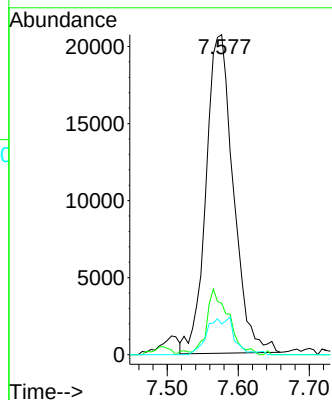
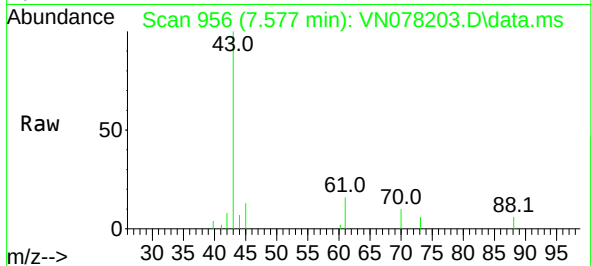




#37
Ethyl Acetate
Concen: 9.255 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

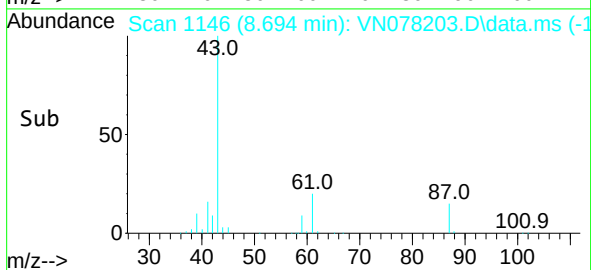
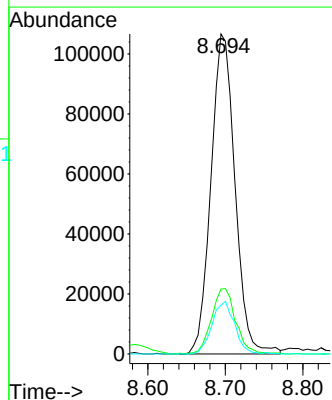
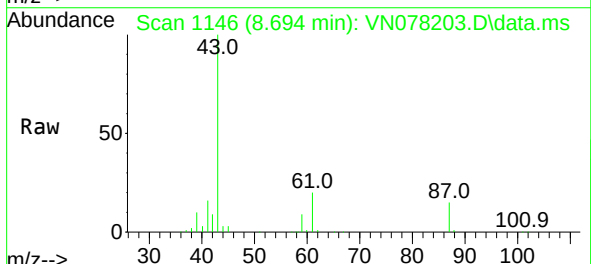
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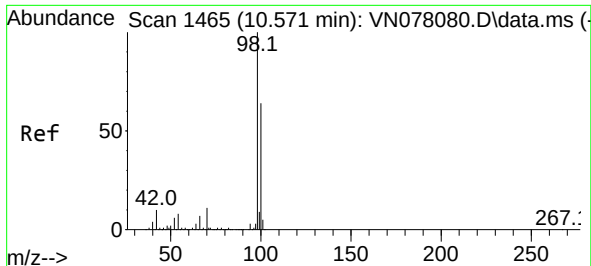
Tgt Ion: 43 Resp: 55387
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 11.6 11.3 16.9



#43
Isopropyl Acetate
Concen: 20.099 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

Tgt Ion: 43 Resp: 230041
Ion Ratio Lower Upper
43 100
61 20.6 24.7 37.1#
87 15.4 14.6 21.8

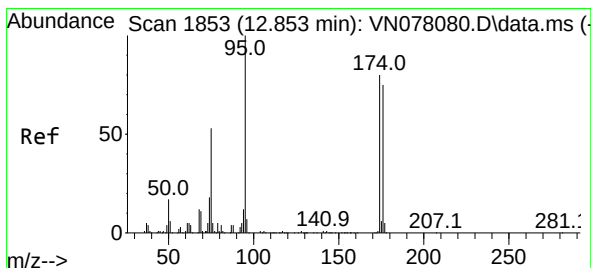
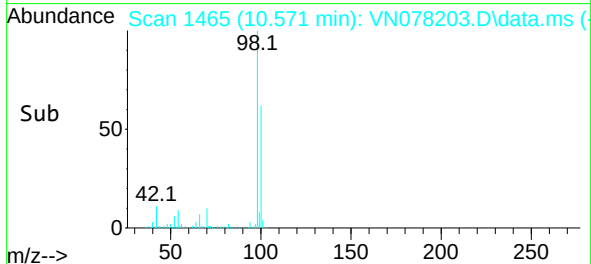
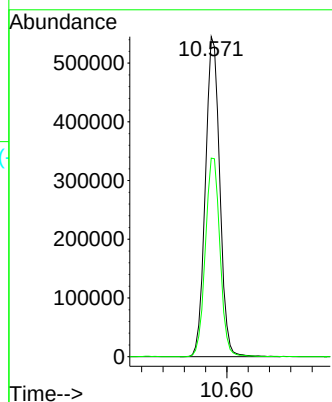
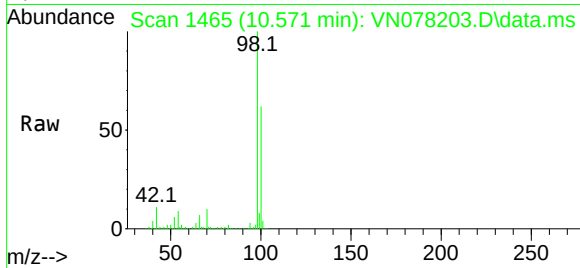




#50
Toluene-d8
Concen: 49.636 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

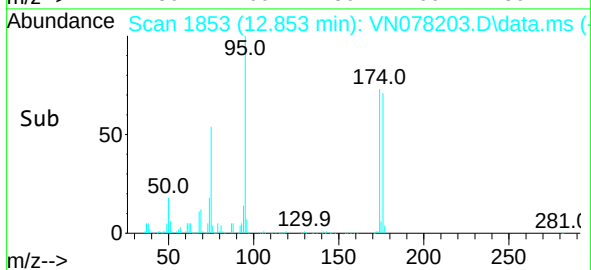
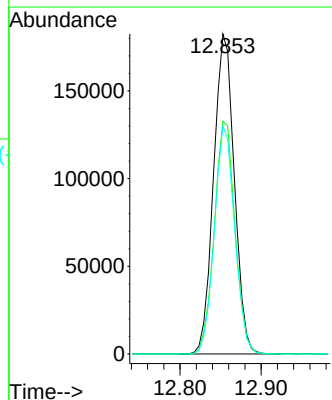
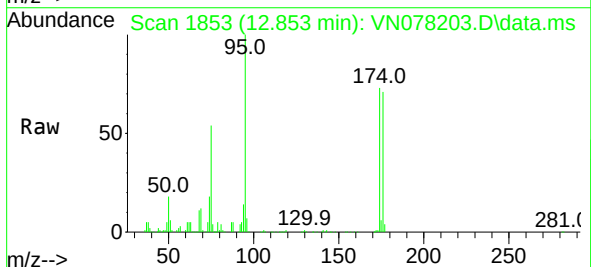
Instrument :
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ClientSampleId :
PNNL-B-0609-1

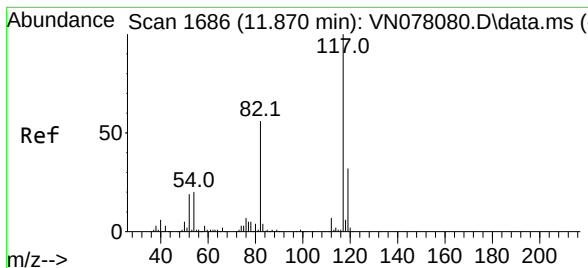
Tgt Ion: 98 Resp: 1021990
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.497 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078203.D
Acq: 14 Jun 2023 14:08

Tgt Ion: 95 Resp: 323225
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 69.9 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: VN078203.D

Acq: 14 Jun 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

PNNL-B-0609-1

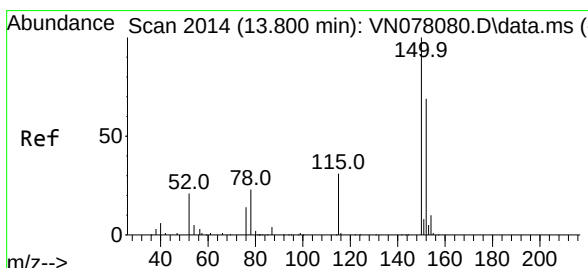
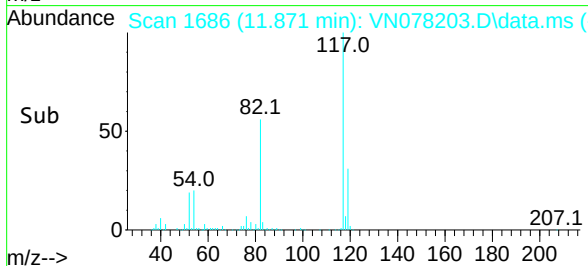
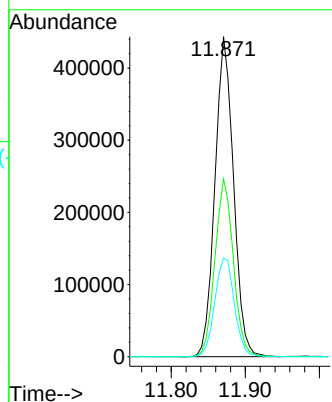
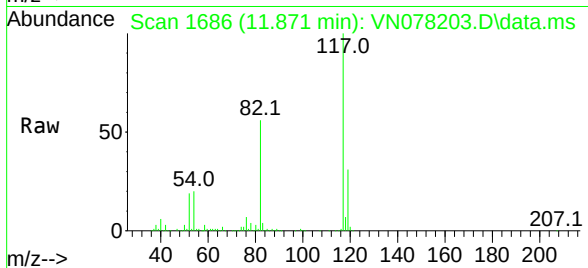
Tgt Ion:117 Resp: 773080

Ion Ratio Lower Upper

117 100

82 55.6 44.0 66.0

119 30.8 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: VN078203.D

Acq: 14 Jun 2023 14:08

Tgt Ion:152 Resp: 242729

Ion Ratio Lower Upper

152 100

115 60.8 32.3 96.8

150 157.2 0.0 355.8

