

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078204.D
 Acq On : 14 Jun 2023 14:32
 Operator : JC\MD
 Sample : 03160-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-B-0609-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2023
 Supervised By : Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 02:44:05 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	462159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	853755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	780230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	235860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	329332	53.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	8.177	113	291236	53.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.900%			
50) Toluene-d8	10.571	98	1032438	49.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.853	95	319600	49.401	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.800%			
Target Compounds						
16) Acetone	4.447	43	26041	14.682	ug/l #	86
20) Methylene Chloride	5.277	84	20642m	3.522	ug/l	
37) Ethyl Acetate	7.577	43	54411	8.995	ug/l #	94
43) Isopropyl Acetate	8.694	43	229074	19.802	ug/l #	84

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

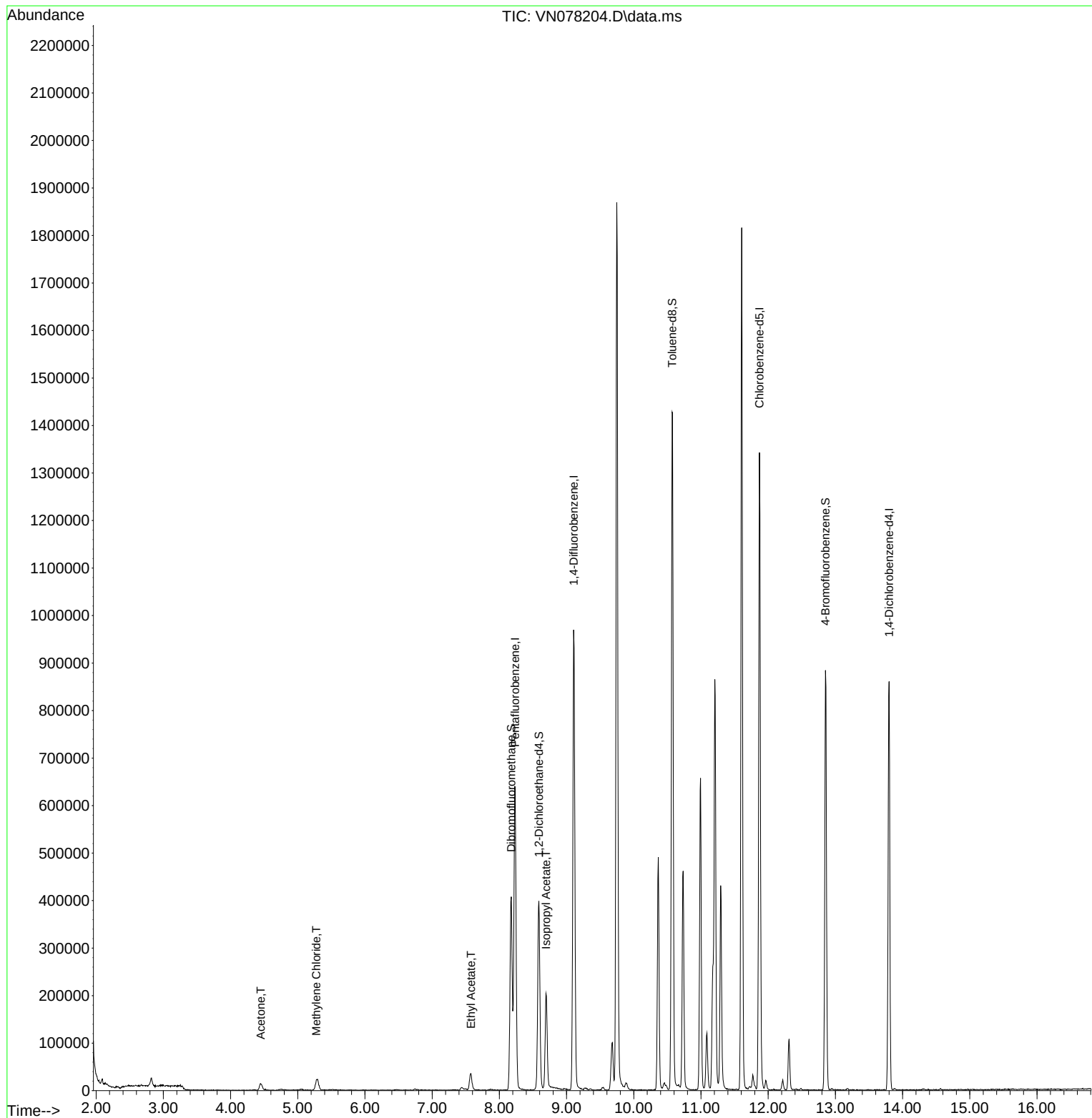
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
Data File : VN078204.D
Acq On : 14 Jun 2023 14:32
Operator : JC\MD
Sample : 03160-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

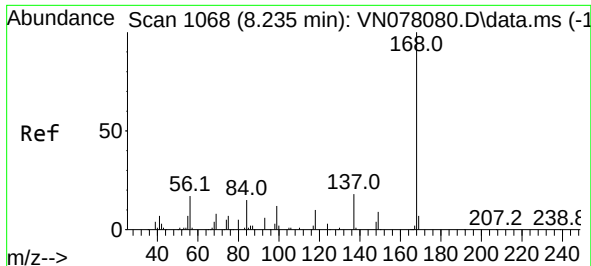
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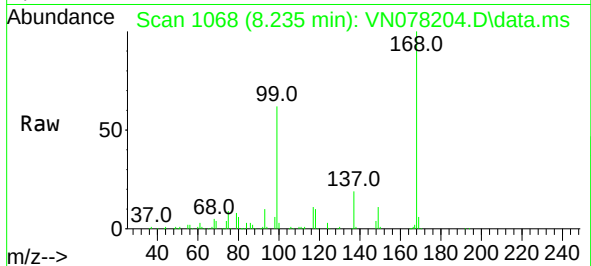
Quant Time: Jun 15 02:44:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

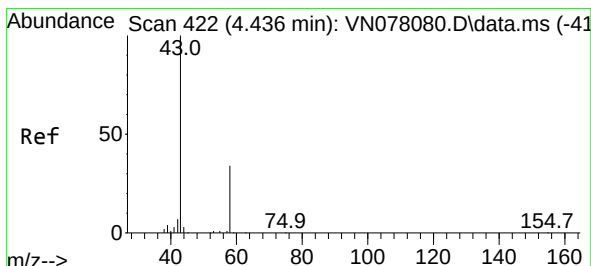
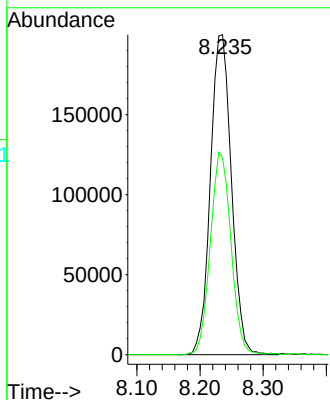
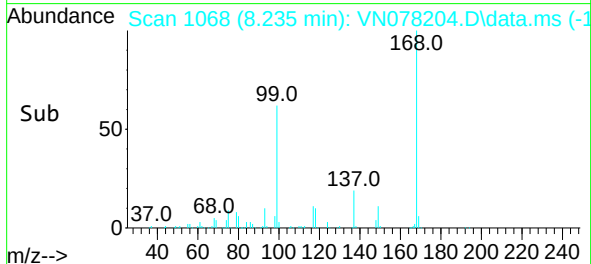
Instrument :
MSVOA_N
ClientSampleId :
PNNL-B-0609-2



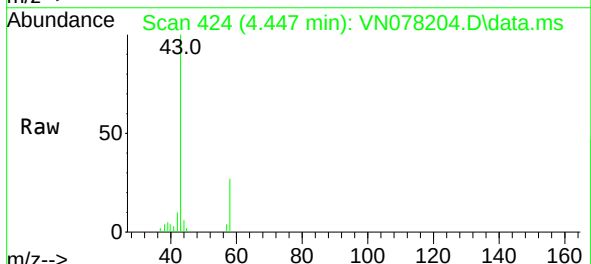
Tgt Ion:168 Resp: 462159
Ion Ratio Lower Upper
168 100
99 61.5 53.0 79.6

Manual Integrations
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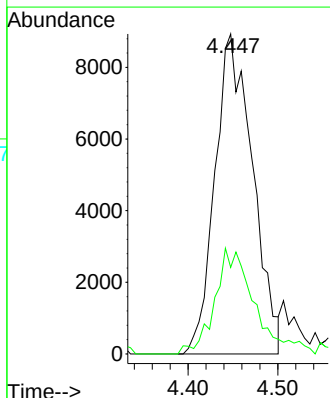
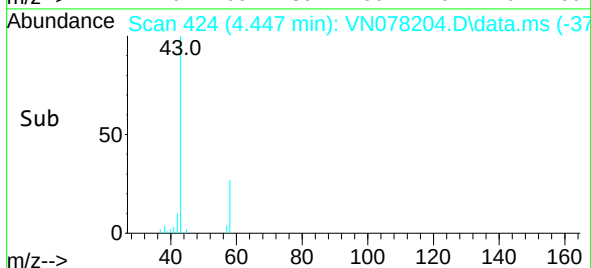
Reviewed By :John Carlone 06/15/2023
Supervised By :Mahesh Dadoda 06/15/2023

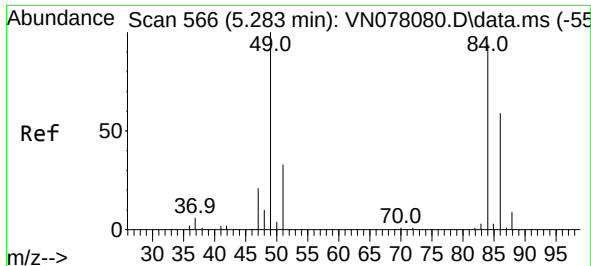


#16
Acetone
Concen: 14.682 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32



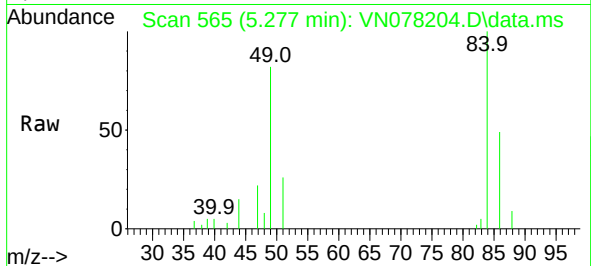
Tgt Ion: 43 Resp: 26041
Ion Ratio Lower Upper
43 100
58 27.1 28.0 42.0#





#20
Methylene Chloride
Concen: 3.522 ug/l m
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

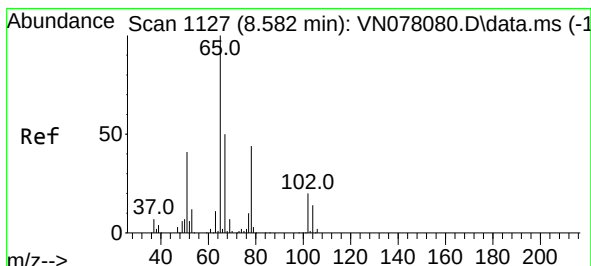
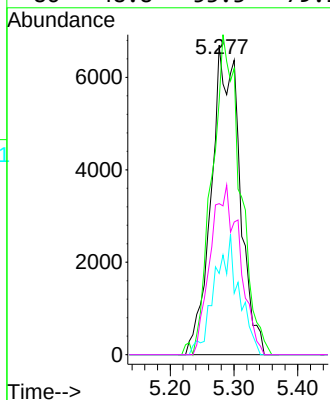
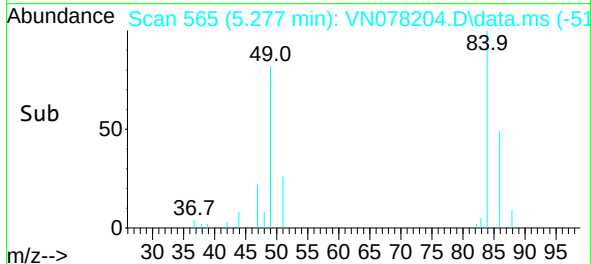
Instrument :
MSVOA_N
ClientSampleId :
PNNL-B-0609-2



Tgt Ion: 84 Resp: 2064
Ion Ratio Lower Upper
84 100
49 82.0 79.7 119.5
51 26.3 25.2 37.8
86 48.8 53.3 79.9#

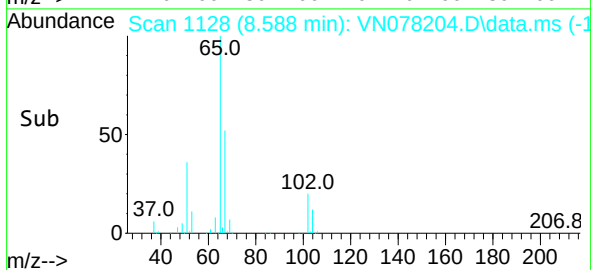
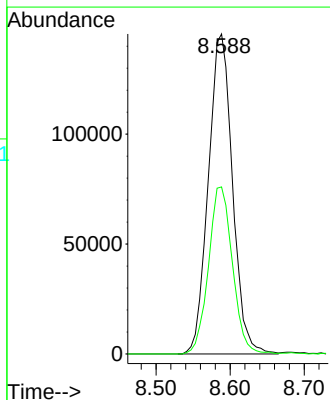
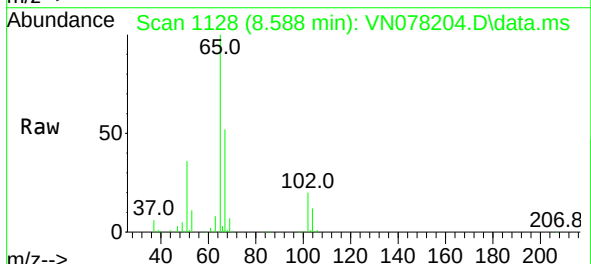
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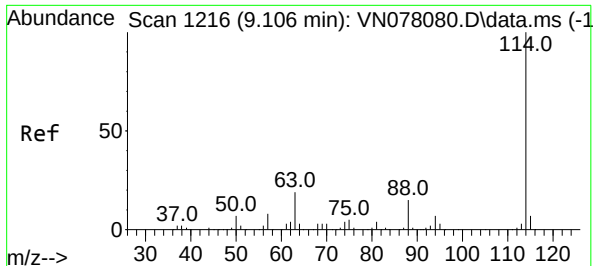
Reviewed By :John Carlone 06/15/2023
Supervised By :Mahesh Dadoda 06/15/2023



#33
1,2-Dichloroethane-d4
Concen: 53.446 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

Tgt Ion: 65 Resp: 329332
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN078204.D

Acq: 14 Jun 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

PNNL-B-0609-2

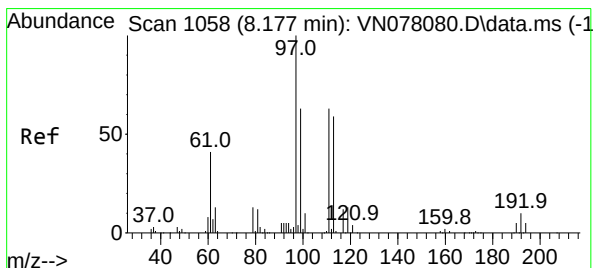
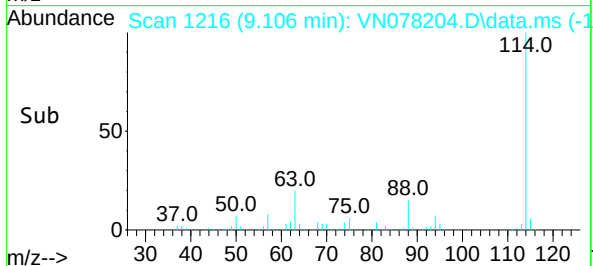
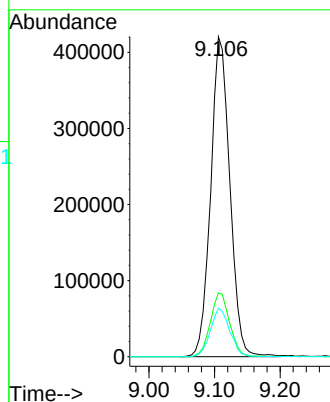
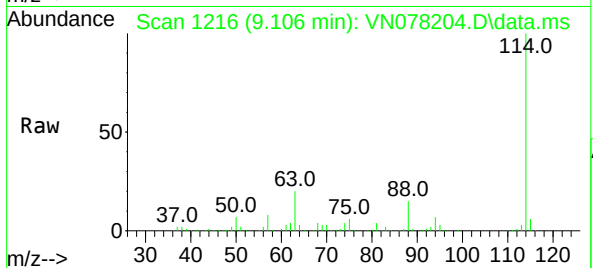
Tgt Ion:	114	Resp:	85375
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	36.4
88	15.2	0.0	30.6

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Supervised By :Mahesh Dadoda 06/15/2023



#35

Dibromofluoromethane

Concen: 53.951 ug/l

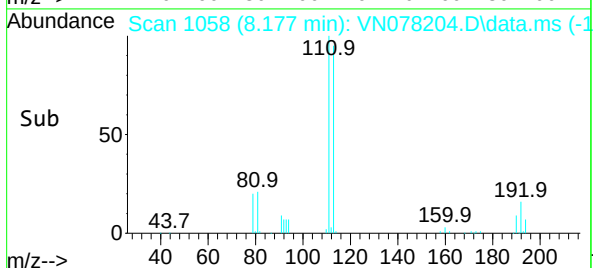
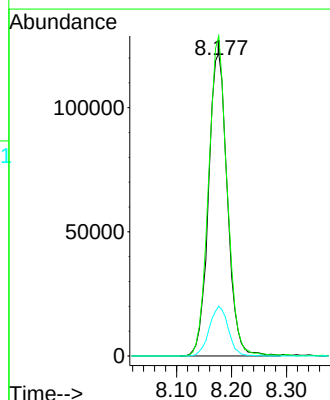
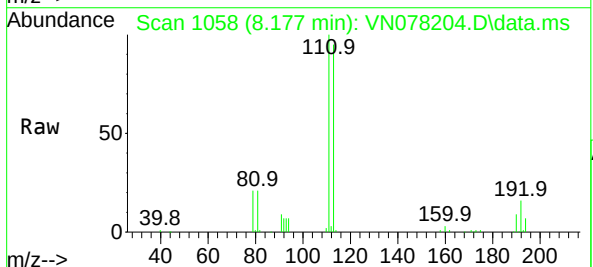
RT: 8.177 min Scan# 1058

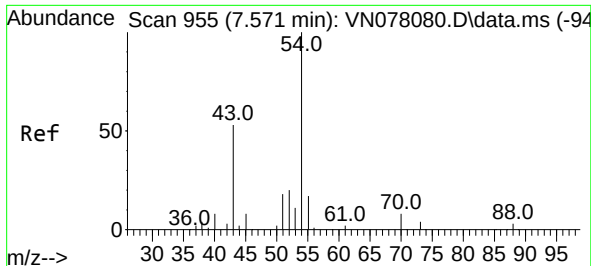
Delta R.T. 0.000 min

Lab File: VN078204.D

Acq: 14 Jun 2023 14:32

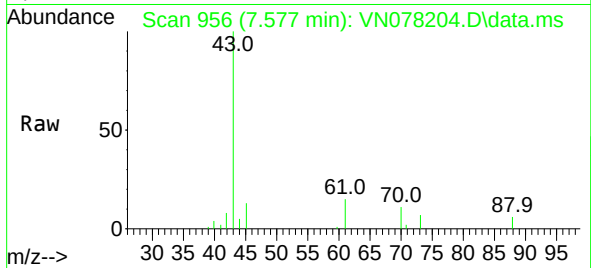
Tgt Ion:	113	Resp:	291236
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.6	123.8
192	16.4	12.7	19.1





#37
Ethyl Acetate
Concen: 8.995 ug/l
RT: 7.577 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

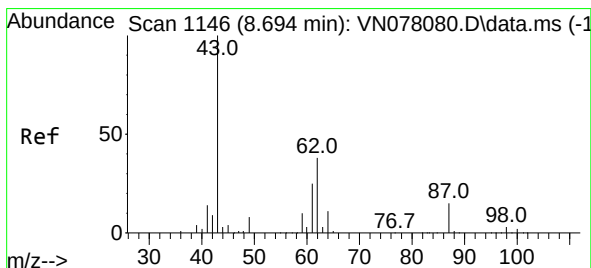
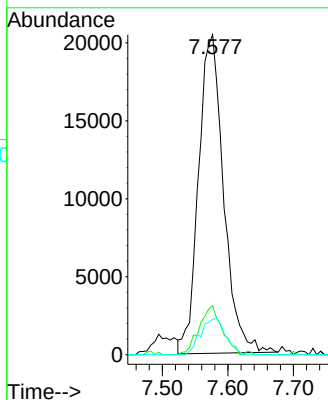
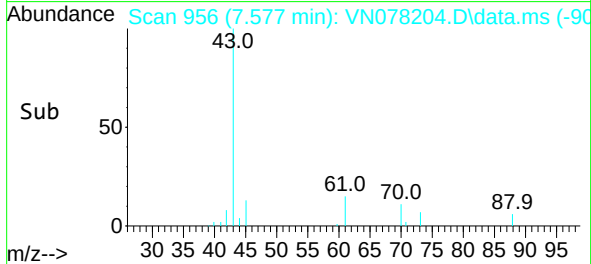
Instrument :
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ClientSampleId :
PNNL-B-0609-2



Tgt Ion: 43 Resp: 5441
Ion Ratio Lower Upper
43 100
61 14.0 13.2 19.8
70 11.2 11.3 16.9

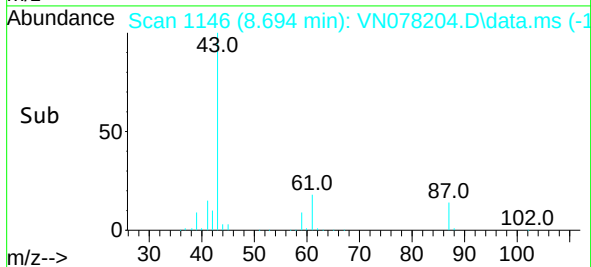
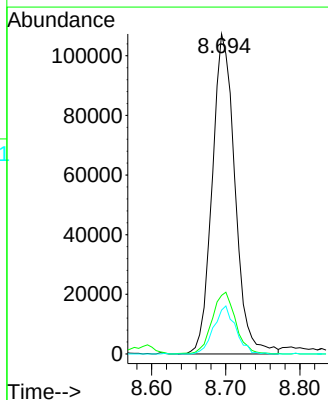
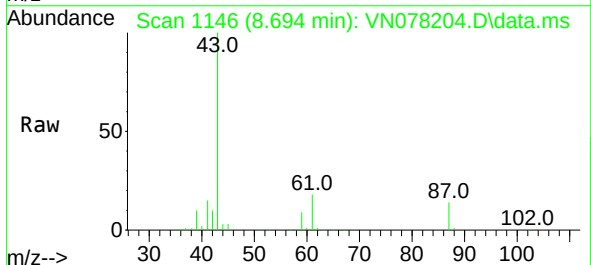
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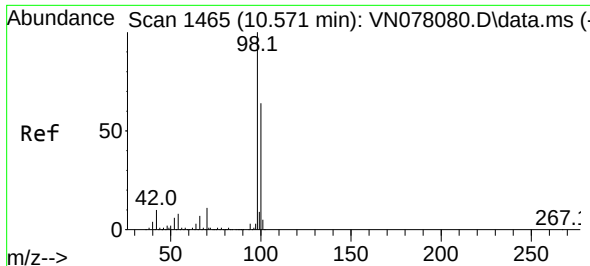
Reviewed By :John Carlone 06/15/2023
Supervised By :Mahesh Dadoda 06/15/2023



#43
Isopropyl Acetate
Concen: 19.802 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

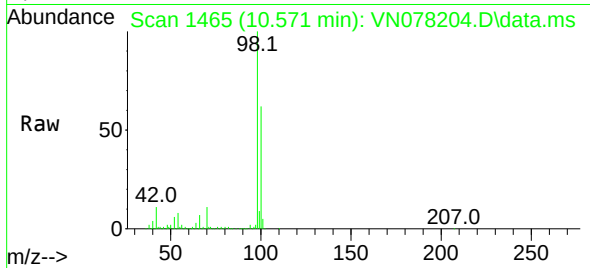
Tgt Ion: 43 Resp: 229074
Ion Ratio Lower Upper
43 100
61 20.0 24.7 37.1#
87 14.4 14.6 21.8#





#50
Toluene-d8
Concen: 49.611 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

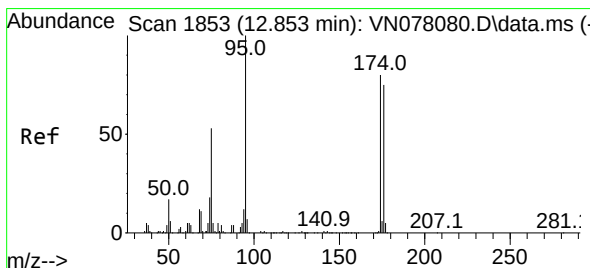
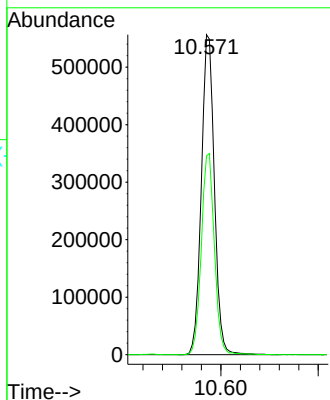
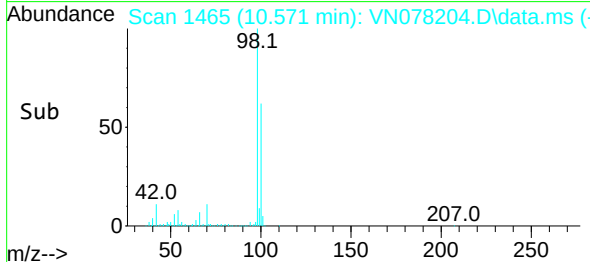
Instrument :
MSVOA_N
ClientSampleId :
PNNL-B-0609-2



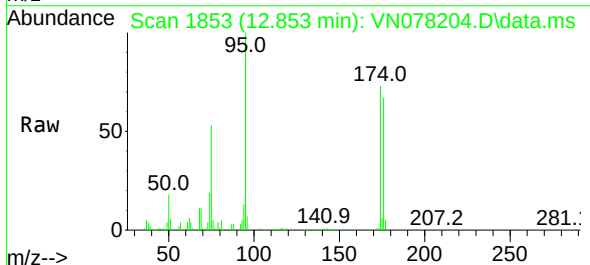
Tgt Ion: 98 Resp: 1032438
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

Manual Integrations
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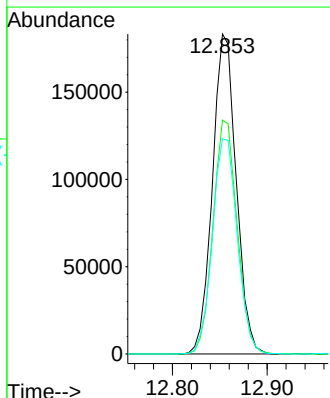
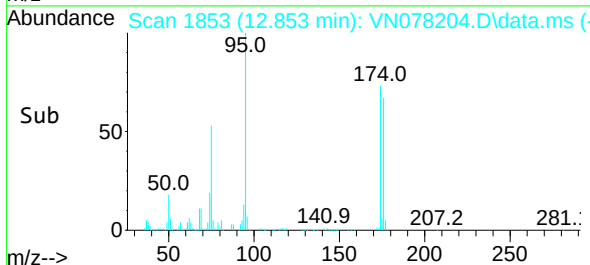
Reviewed By :John Carlone 06/15/2023
Supervised By :Mahesh Dadoda 06/15/2023

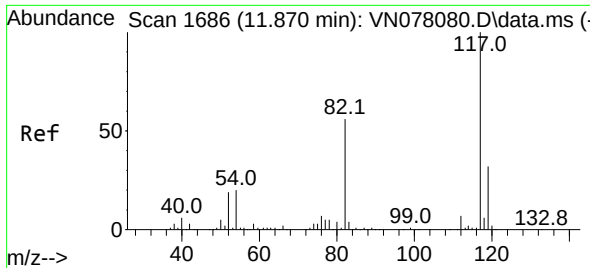


#62
4-Bromofluorobenzene
Concen: 49.401 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32



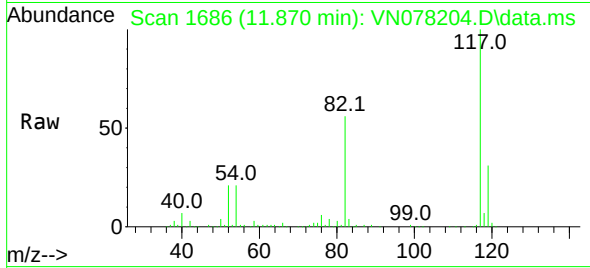
Tgt Ion: 95 Resp: 319600
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 70.6 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32

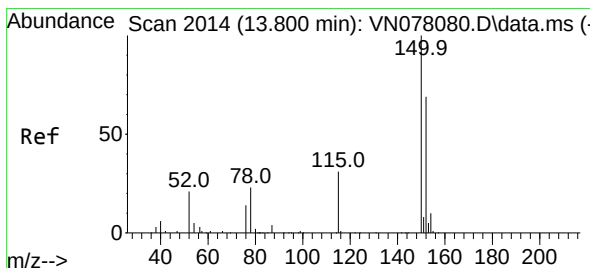
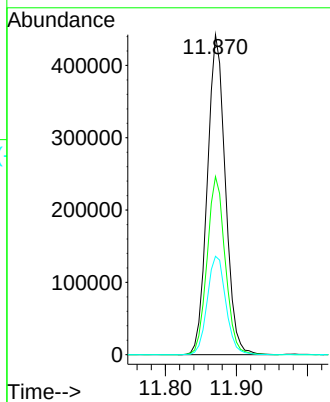
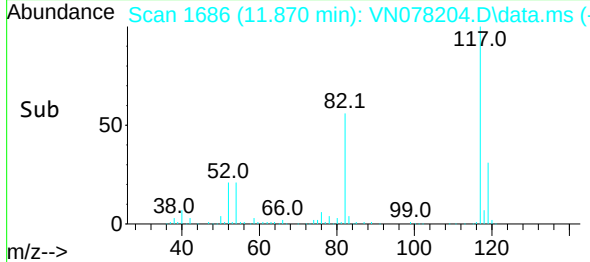
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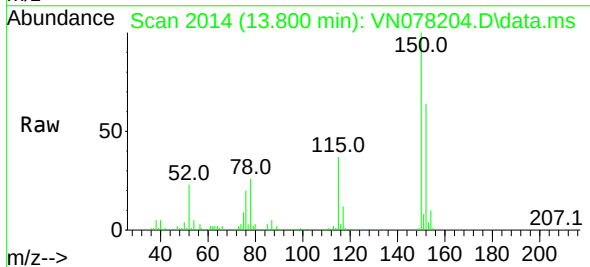
Tgt Ion:117 Resp: 780230
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 30.7 25.6 38.4

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 06/15/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN078204.D
Acq: 14 Jun 2023 14:32



Tgt Ion:152 Resp: 235860
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 156.6 0.0 355.8

