

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078437.D
 Acq On : 28 Jun 2023 13:26
 Operator : JC\MD
 Sample : 03428-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-APM-0621-1

Quant Time: Jun 29 06:09:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 06:01:44 2023
 Response via : Initial Calibration

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

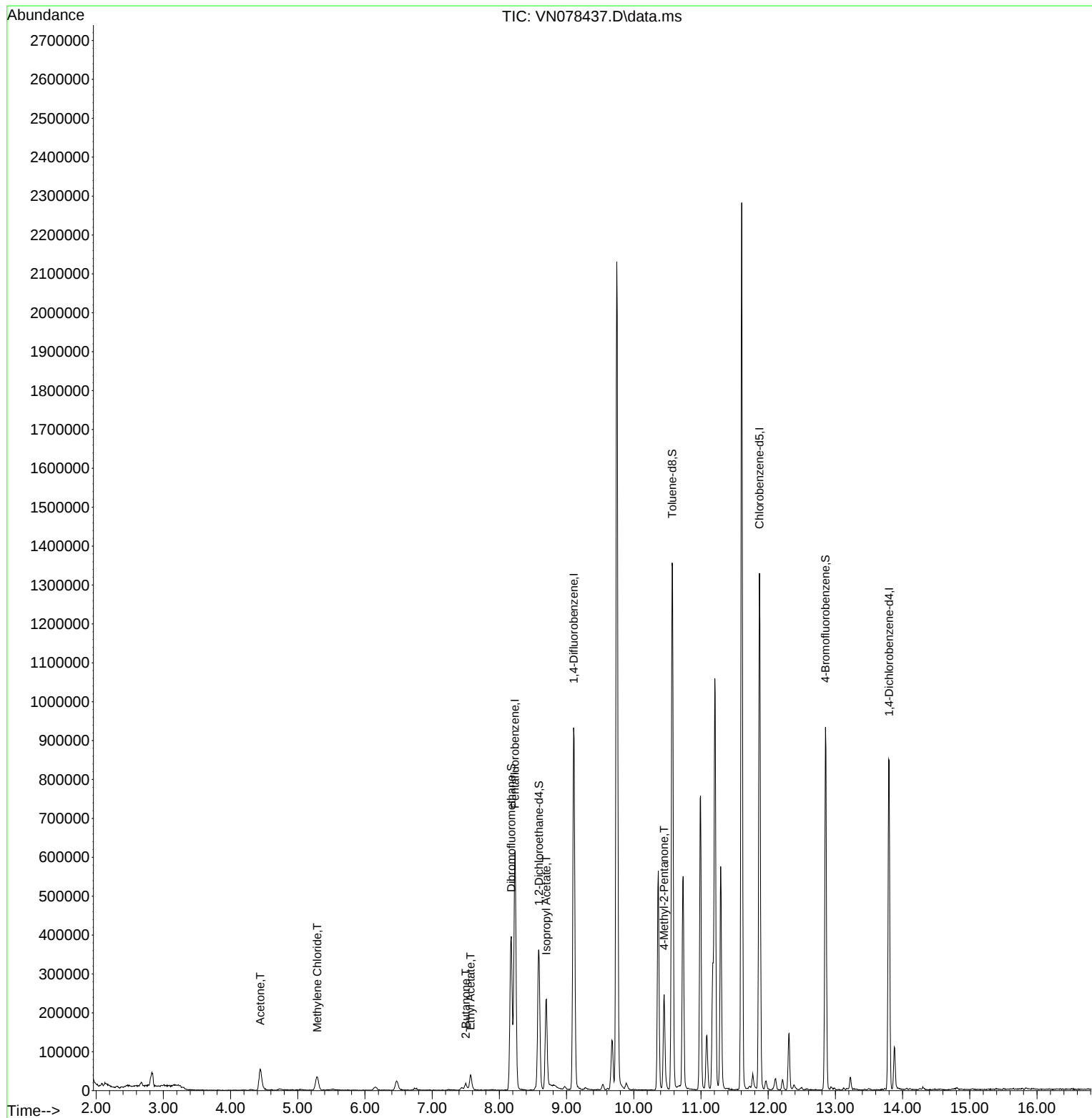
Internal Standards						
1) Pentafluorobenzene	8.230	168	456561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	831750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	791397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	308076	50.609	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.220%		
35) Dibromofluoromethane	8.177	113	287725	54.710	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.420%		
50) Toluene-d8	10.571	98	986859	48.676	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.360%		
62) 4-Bromofluorobenzene	12.853	95	321159	50.955	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.920%		
Target Compounds						
						Qvalue
16) Acetone	4.442	43	102909	58.732	ug/l	97
20) Methylene Chloride	5.289	84	29529	5.100	ug/l	85
25) 2-Butanone	7.500	43	23410	8.688	ug/l	97
37) Ethyl Acetate	7.571	43	56347	9.562	ug/l	95
43) Isopropyl Acetate	8.700	43	264530	23.472	ug/l #	85
51) 4-Methyl-2-Pentanone	10.453	43	166654	28.081	ug/l	89

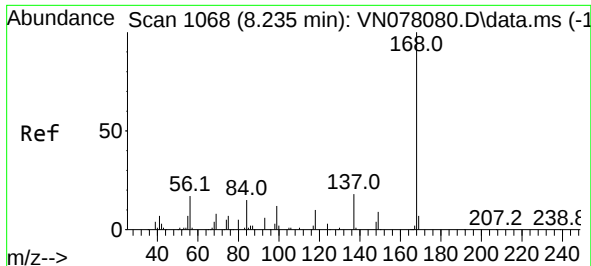
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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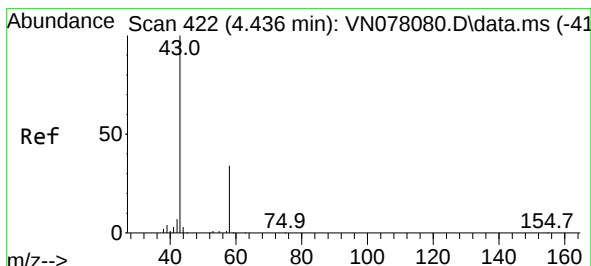
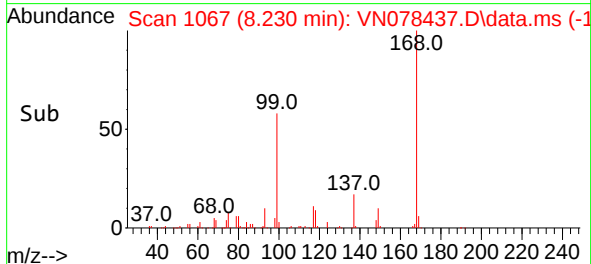
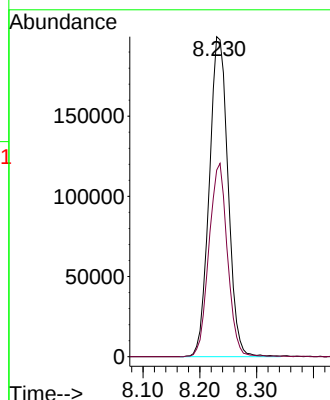
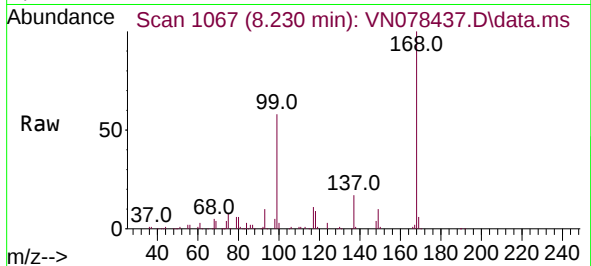




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

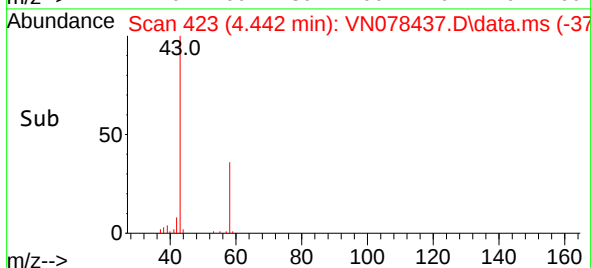
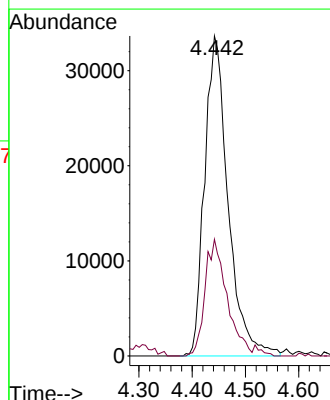
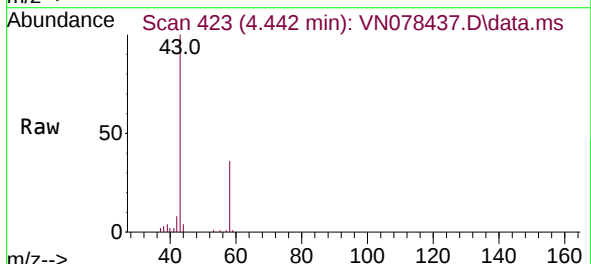
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-1

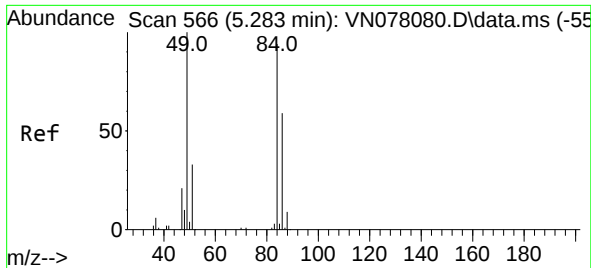
Tgt Ion:168 Resp: 456561
Ion Ratio Lower Upper
168 100
99 58.3 53.0 79.6



#16
Acetone
Concen: 58.732 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

Tgt Ion: 43 Resp: 102909
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0

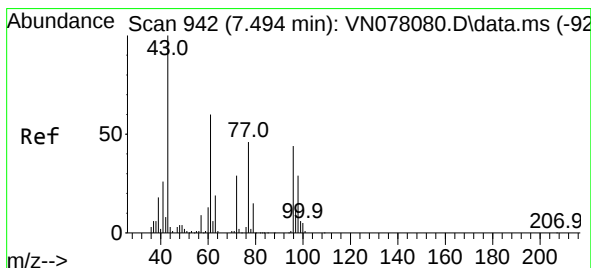
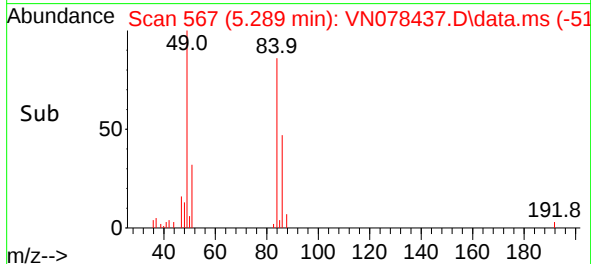
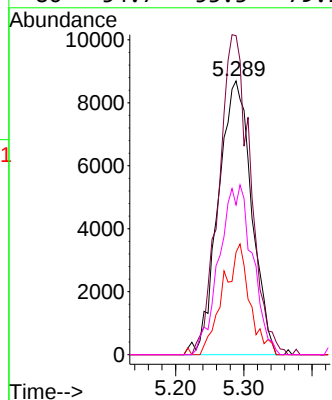
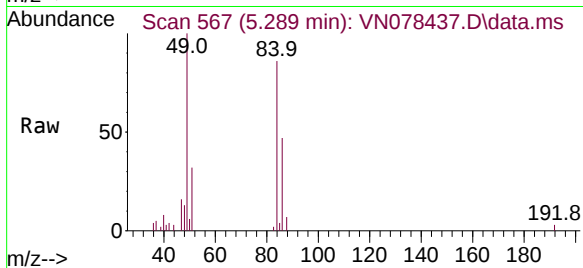




#20
Methylene Chloride
Concen: 5.100 ug/l
RT: 5.289 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

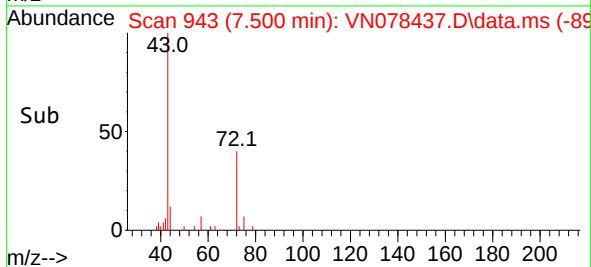
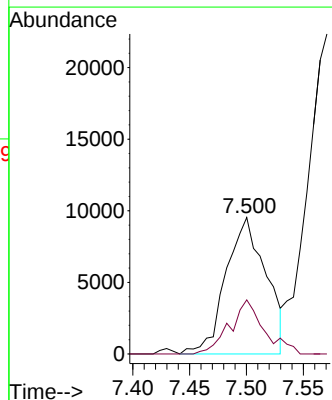
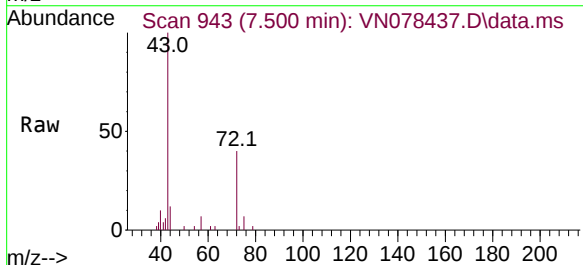
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-1

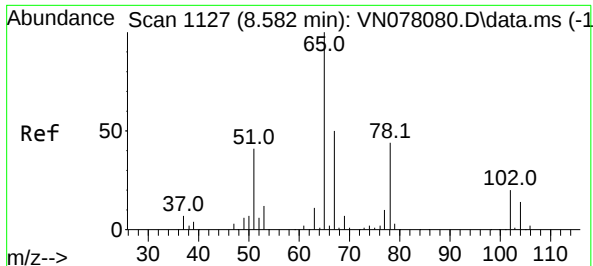
Tgt Ion: 84	Resp: 29529		
Ion	Ratio	Lower	Upper
84	100		
49	116.5	79.7	119.5
51	37.4	25.2	37.8
86	54.7	53.3	79.9



#25
2-Butanone
Concen: 8.688 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

Tgt Ion: 43	Resp: 23410
Ion Ratio	Lower Upper
43 100	
72 39.7	30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 50.609 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078437.D

Acq: 28 Jun 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

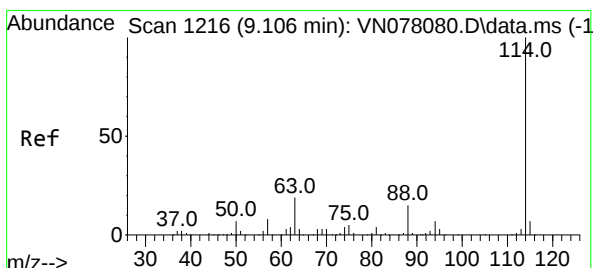
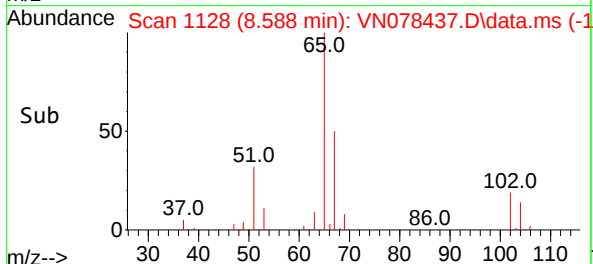
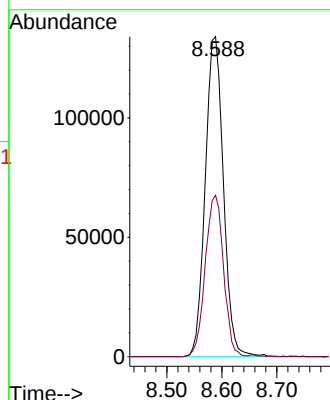
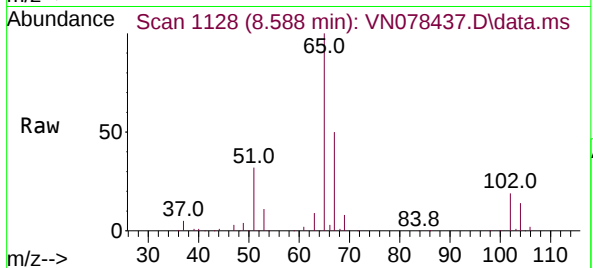
PNNL-APM-0621-1

Tgt Ion: 65 Resp: 308076

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078437.D

Acq: 28 Jun 2023 13:26

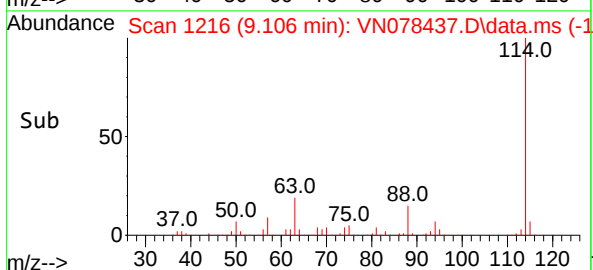
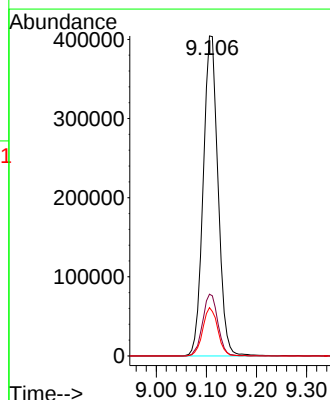
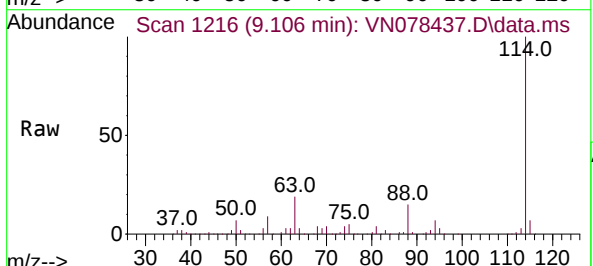
Tgt Ion: 114 Resp: 831750

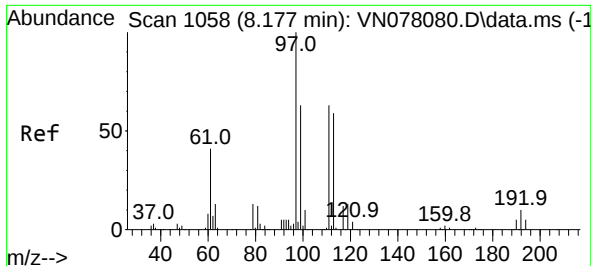
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.710 ug/l

RT: 8.177 min Scan# 113

Delta R.T. 0.000 min

Lab File: VN078437.D

Acq: 28 Jun 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

PNNL-APM-0621-1

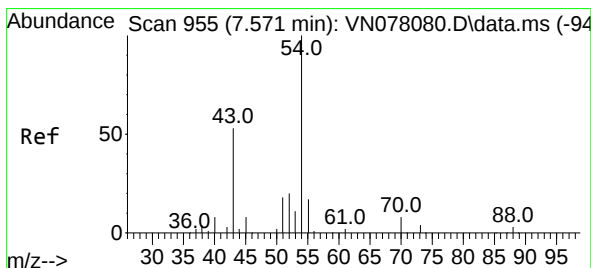
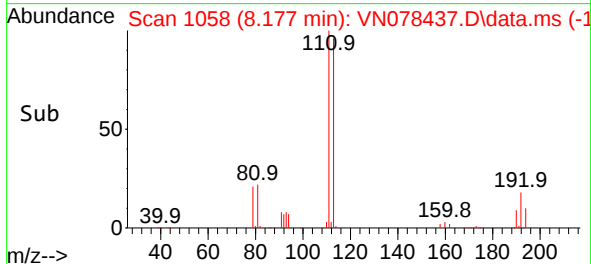
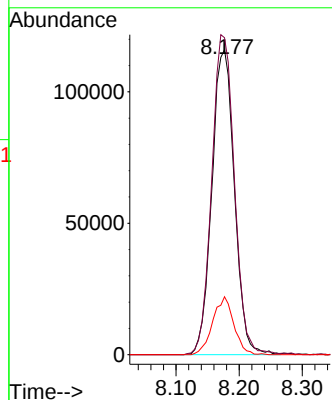
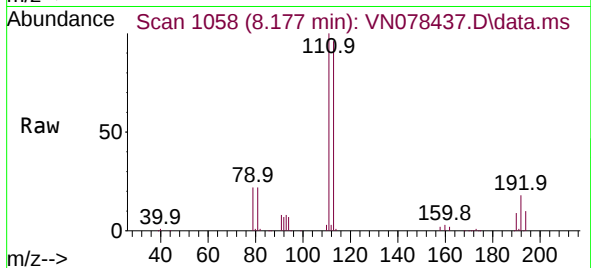
Tgt Ion:113 Resp: 287725

Ion Ratio Lower Upper

113 100

111 105.5 82.6 123.8

192 17.8 12.7 19.1



#37

Ethyl Acetate

Concen: 9.562 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.000 min

Lab File: VN078437.D

Acq: 28 Jun 2023 13:26

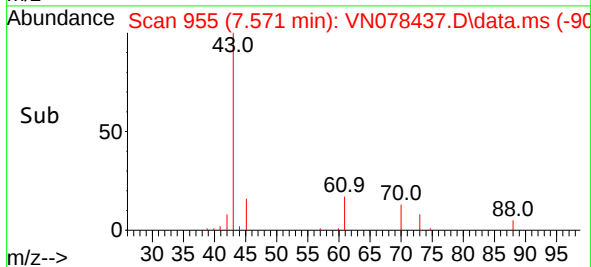
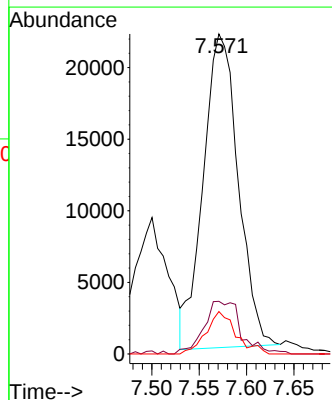
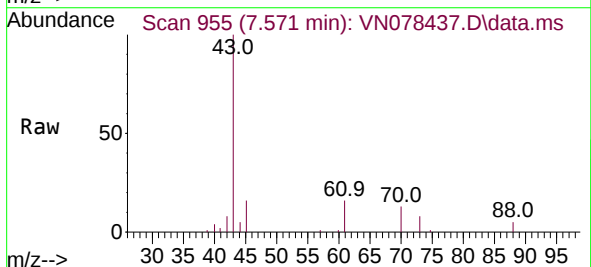
Tgt Ion: 43 Resp: 56347

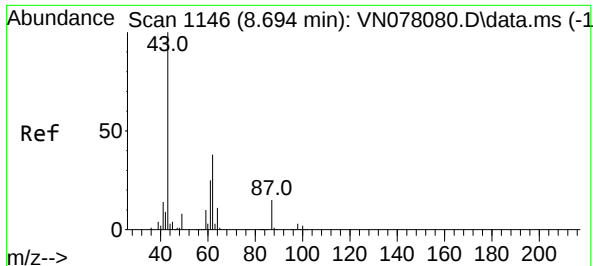
Ion Ratio Lower Upper

43 100

61 17.8 13.2 19.8

70 11.5 11.3 16.9

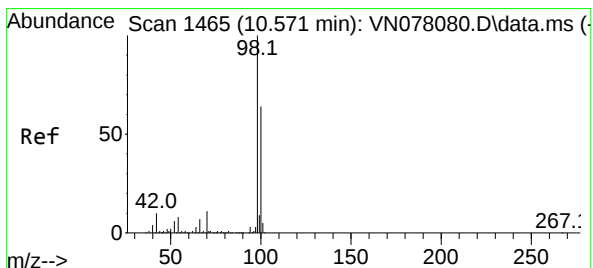
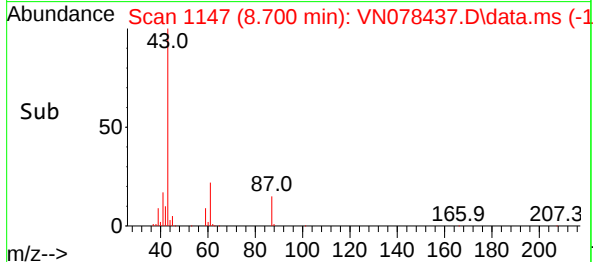
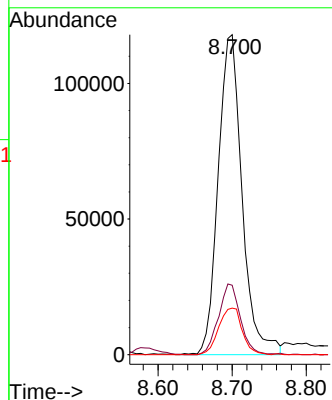
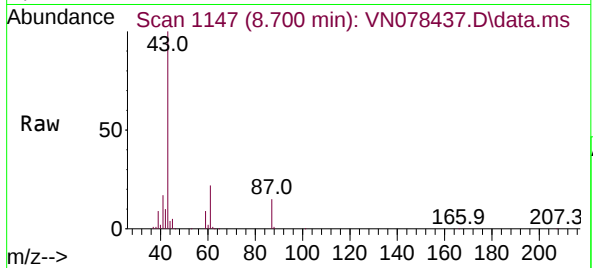




#43
Isopropyl Acetate
Concen: 23.472 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

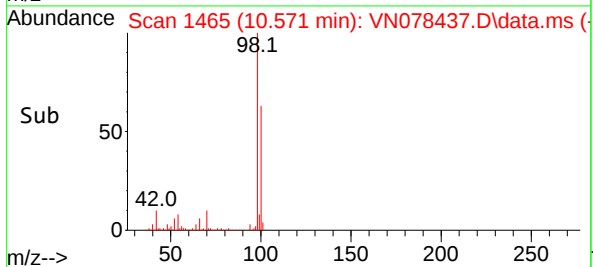
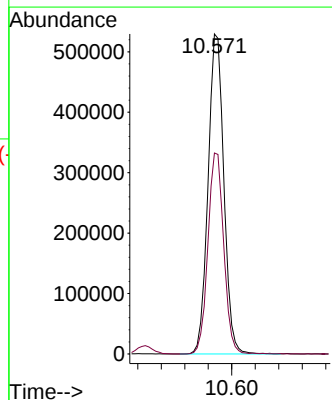
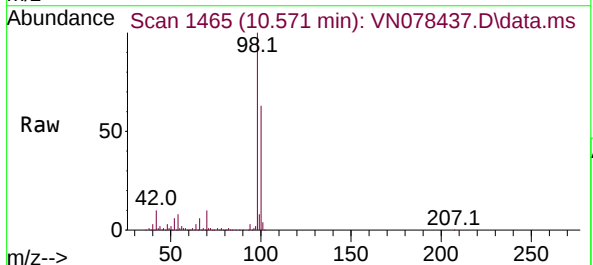
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-1

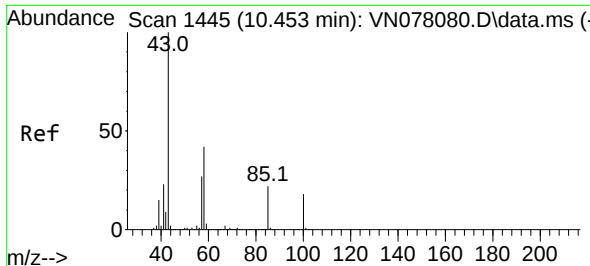
Tgt Ion: 43 Resp: 264530
Ion Ratio Lower Upper
43 100
61 20.2 24.7 37.1#
87 14.3 14.6 21.8#



#50
Toluene-d8
Concen: 48.676 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

Tgt Ion: 98 Resp: 986859
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

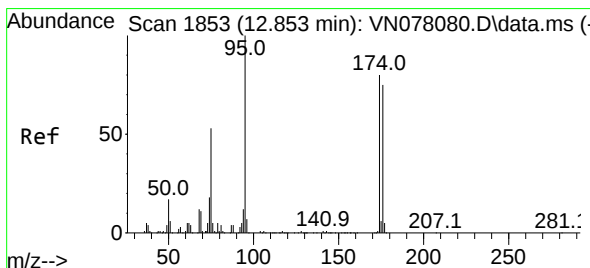
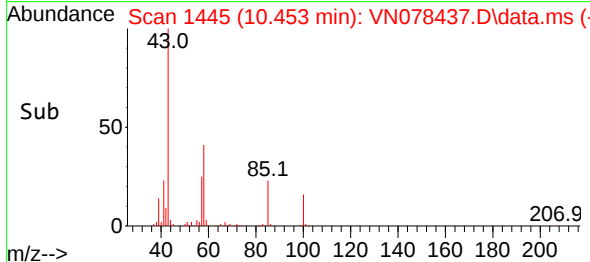
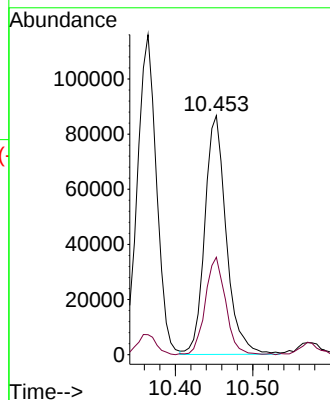
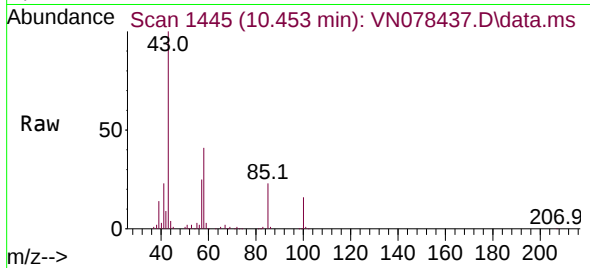




#51
4-Methyl-2-Pentanone
Concen: 28.081 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

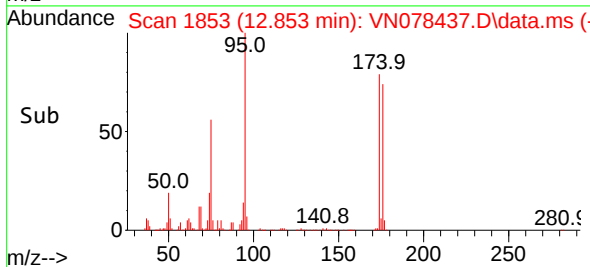
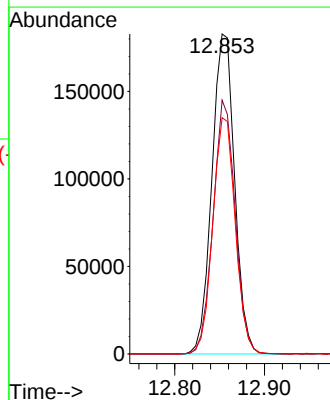
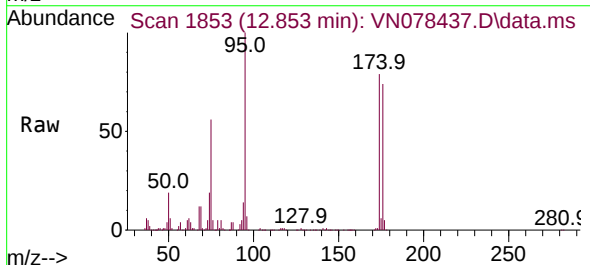
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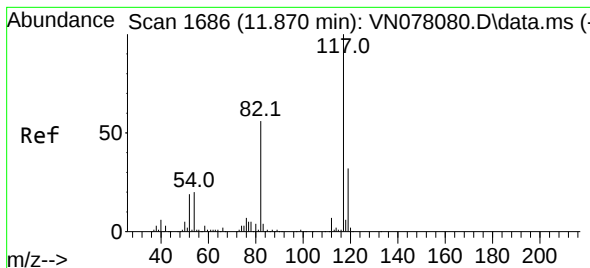
Tgt Ion: 43 Resp: 166654
Ion Ratio Lower Upper
43 100
58 38.7 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 50.955 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078437.D
Acq: 28 Jun 2023 13:26

Tgt Ion: 95 Resp: 321159
Ion Ratio Lower Upper
95 100
174 76.7 0.0 143.8
176 73.3 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: VN078437.D

Acq: 28 Jun 2023 13:26

Instrument :

MSVOA_N

ClientSampleId :

PNNL-APM-0621-1

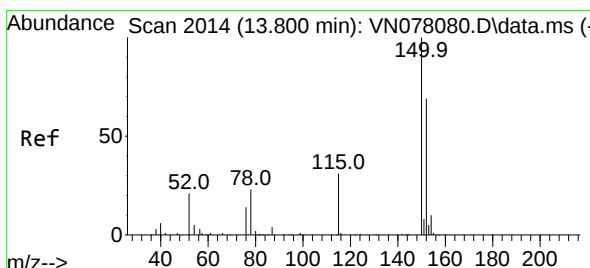
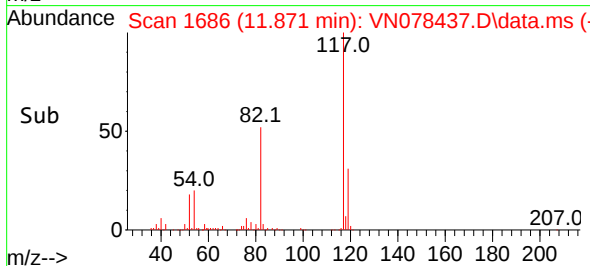
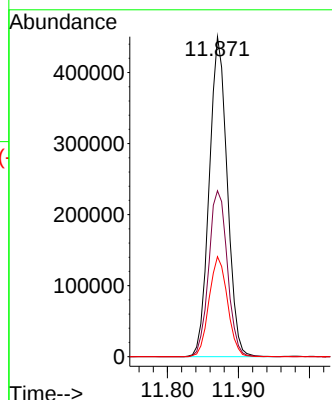
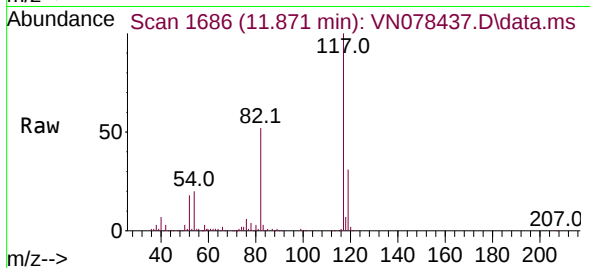
Tgt Ion:117 Resp: 791397

Ion Ratio Lower Upper

117 100

82 51.9 44.0 66.0

119 31.3 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: VN078437.D

Acq: 28 Jun 2023 13:26

Tgt Ion:152 Resp: 237441

Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 159.3 0.0 355.8

