

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078438.D
 Acq On : 28 Jun 2023 13:51
 Operator : JC\MD
 Sample : 03428-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-APM-0621-2

Quant Time: Jun 29 05:20:16 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)

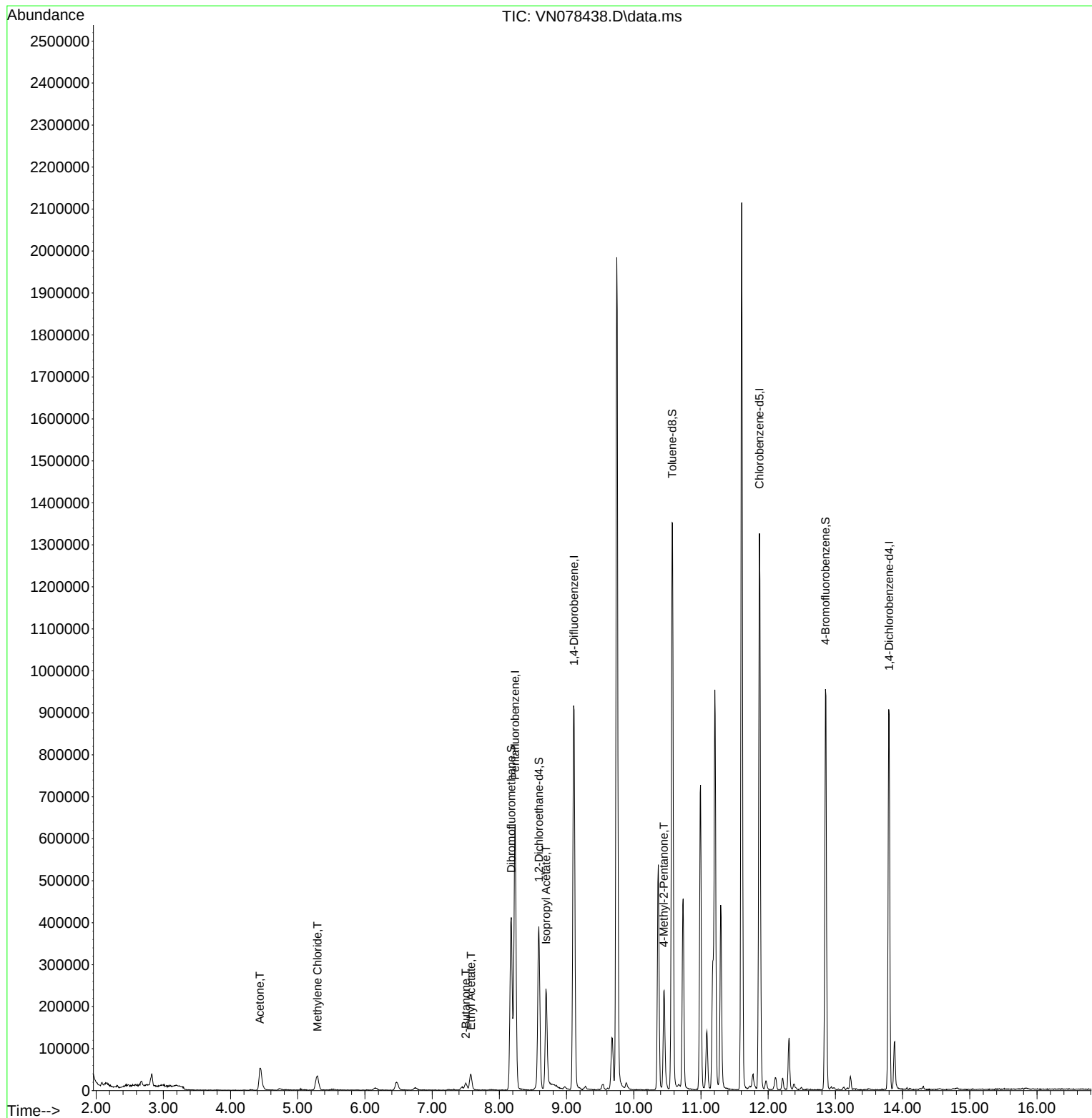
Internal Standards						
1) Pentafluorobenzene	8.235	168	455673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	843090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	802699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	247139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307468	50.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.220%	
35) Dibromofluoromethane	8.177	113	301179	56.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.000%	
50) Toluene-d8	10.571	98	1001507	48.734	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.460%	
62) 4-Bromofluorobenzene	12.853	95	331438	51.879	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.760%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	101768	58.194	ug/l	93
20) Methylene Chloride	5.295	84	29328	5.075	ug/l	95
25) 2-Butanone	7.500	43	24971	9.286	ug/l	96
37) Ethyl Acetate	7.577	43	56384	9.439	ug/l #	95
43) Isopropyl Acetate	8.694	43	268092	23.468	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	169545	28.184	ug/l	88

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
Data File : VN078438.D
Acq On : 28 Jun 2023 13:51
Operator : JC\MD
Sample : 03428-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

Quant Time: Jun 29 05:20:16 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

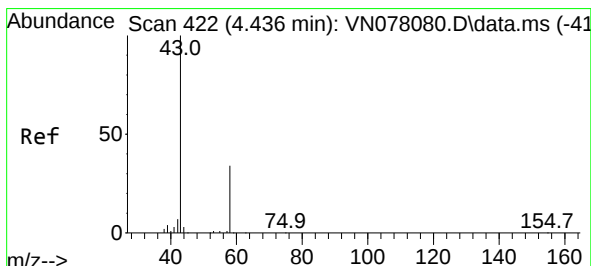
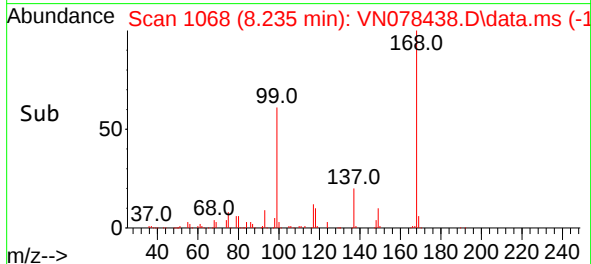
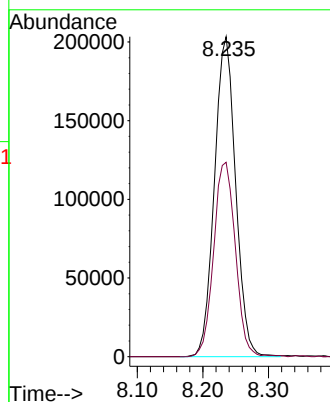
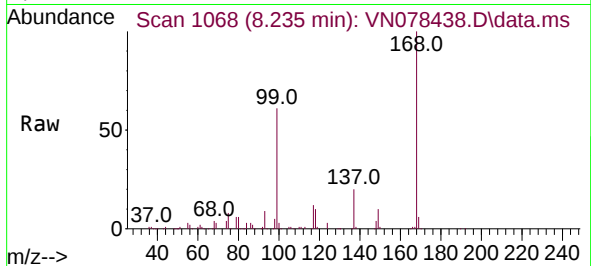




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

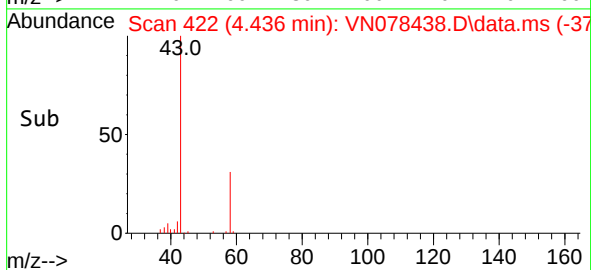
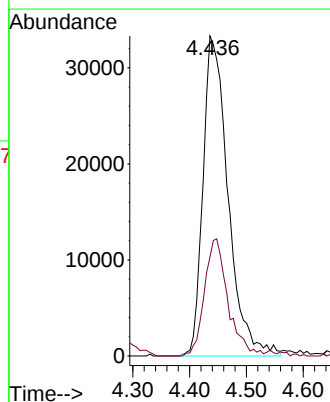
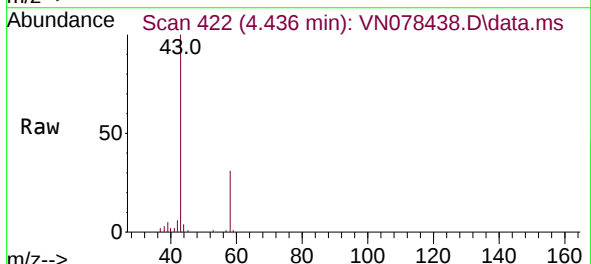
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

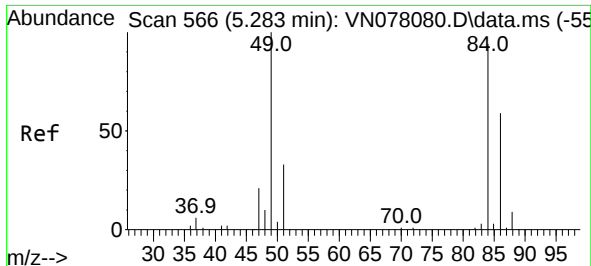
Tgt Ion:168 Resp: 455673
Ion Ratio Lower Upper
168 100
99 60.7 53.0 79.6



#16
Acetone
Concen: 58.194 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

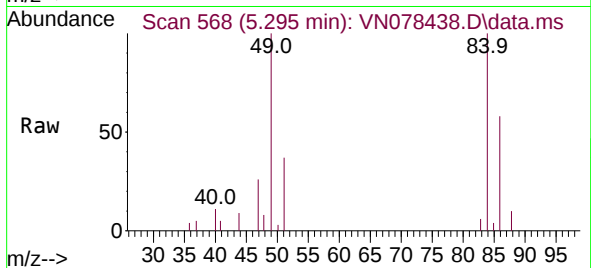
Tgt Ion: 43 Resp: 101768
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0



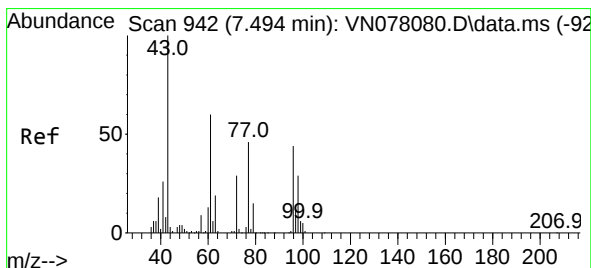
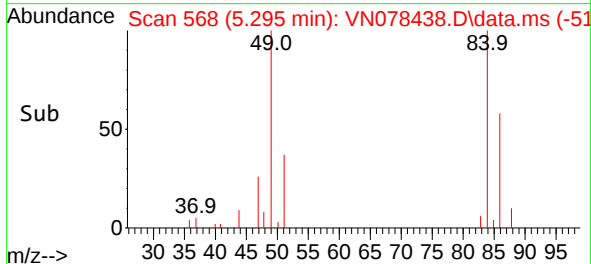
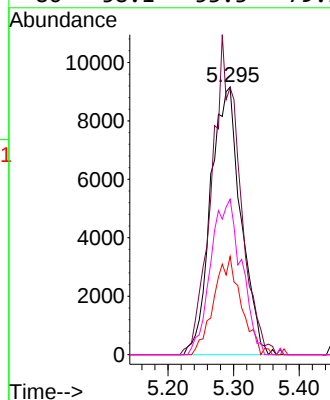


#20
Methylene Chloride
Concen: 5.075 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

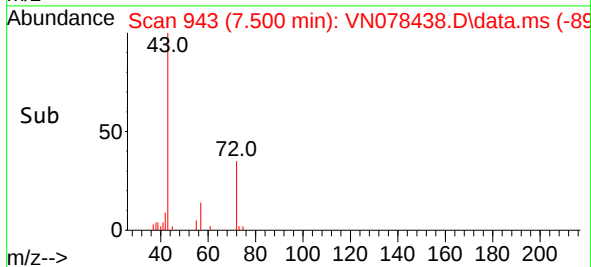
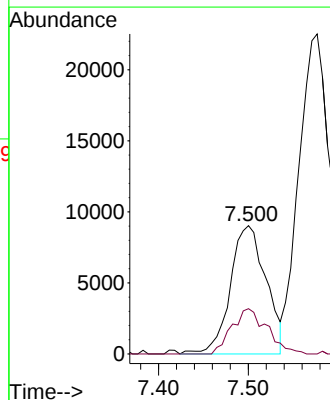
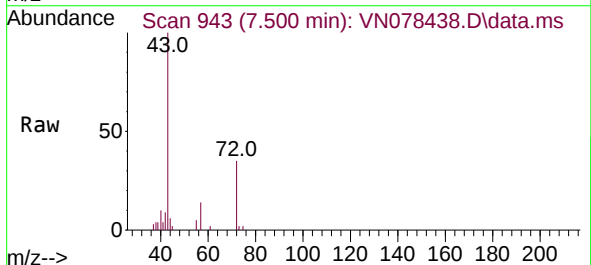


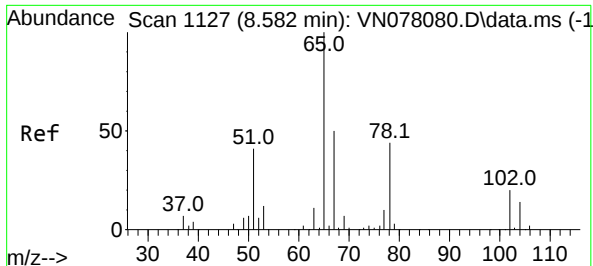
Tgt Ion:	84	Resp:	29328
Ion	Ratio	Lower	Upper
84	100		
49	99.8	79.7	119.5
51	36.7	25.2	37.8
86	58.1	53.3	79.9



#25
2-Butanone
Concen: 9.286 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

Tgt Ion:	43	Resp:	24971
Ion	Ratio	Lower	Upper
43	100		
72	35.3	30.2	45.2





#33

1,2-Dichloroethane-d4

Concen: 50.608 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078438.D

Acq: 28 Jun 2023 13:51

Instrument :

MSVOA_N

ClientSampleId :

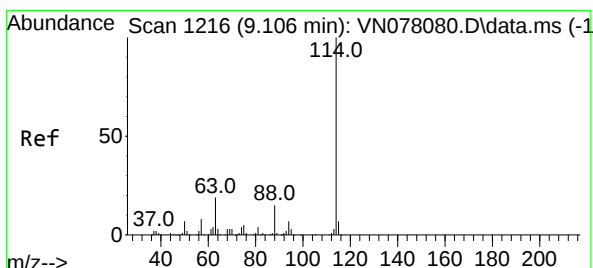
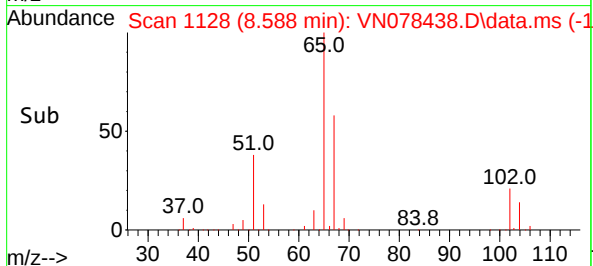
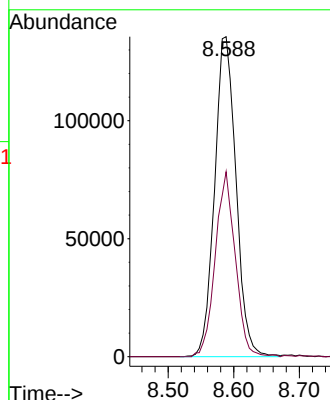
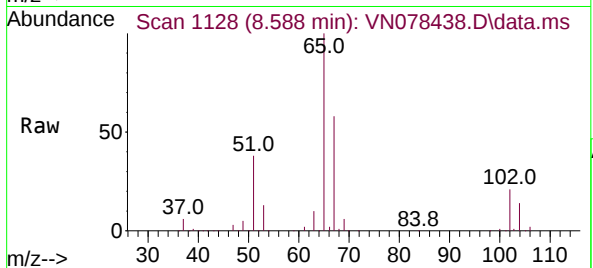
PNNL-APM-0621-2

Tgt Ion: 65 Resp: 307468

Ion Ratio Lower Upper

65 100

67 53.9 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: VN078438.D

Acq: 28 Jun 2023 13:51

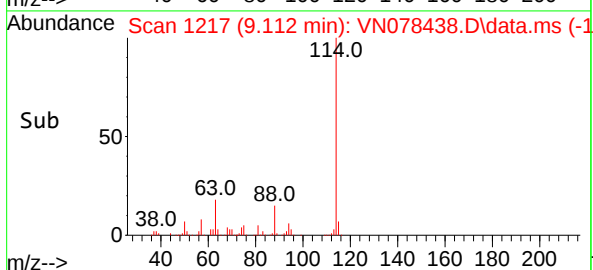
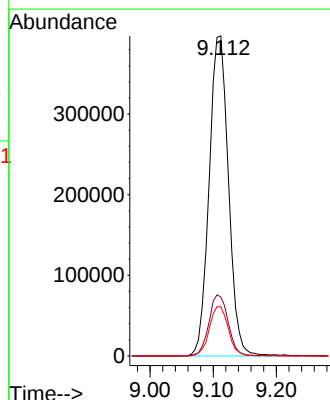
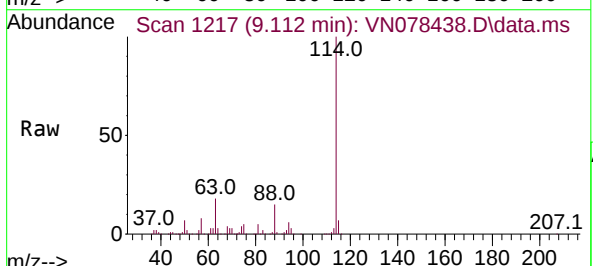
Tgt Ion: 114 Resp: 843090

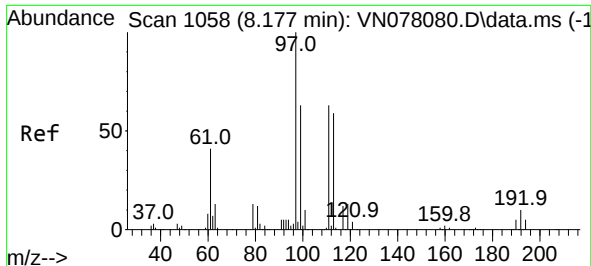
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 15.4 0.0 30.6



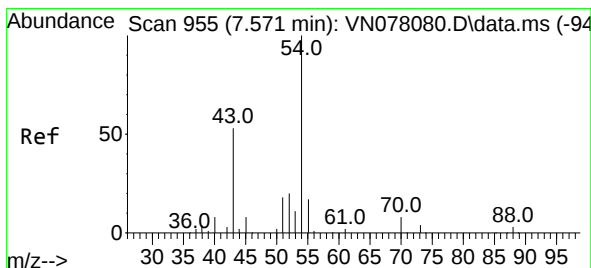
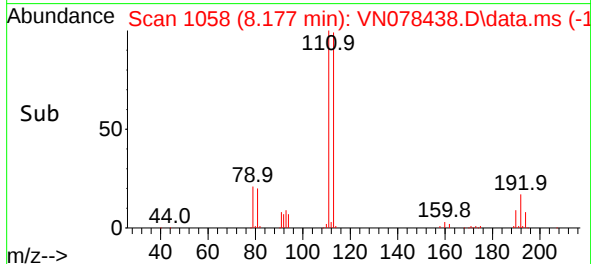
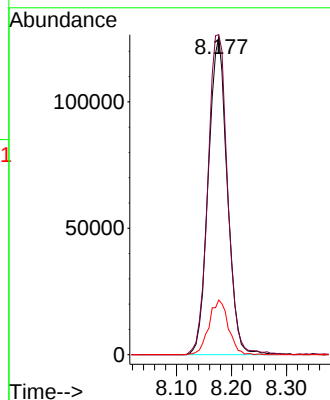
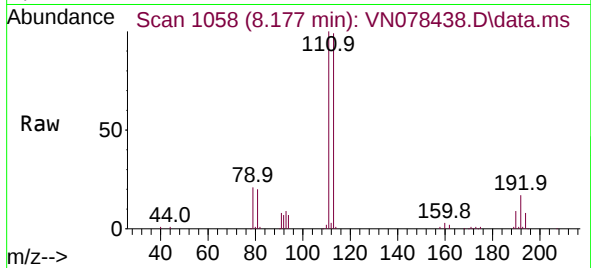


#35
 Dibromofluoromethane
 Concen: 56.498 ug/l
 RT: 8.177 min Scan# 113
 Delta R.T. 0.000 min
 Lab File: VN078438.D
 Acq: 28 Jun 2023 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PNNL-APM-0621-2

Tgt Ion:113 Resp: 301179

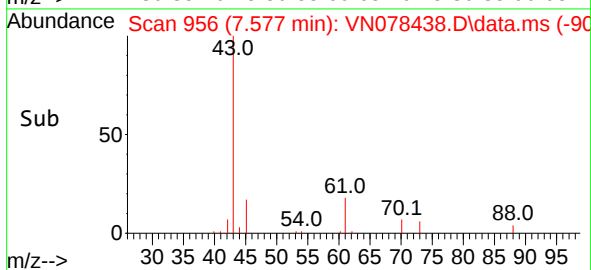
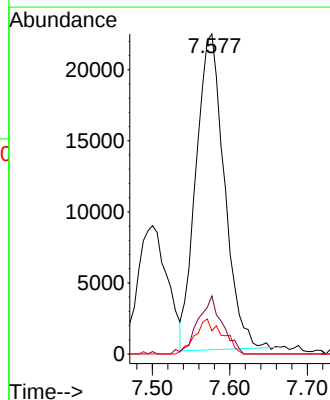
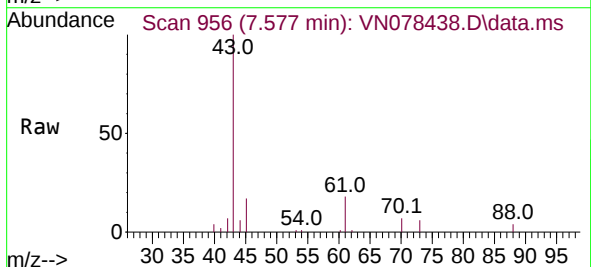
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	17.5	12.7	19.1

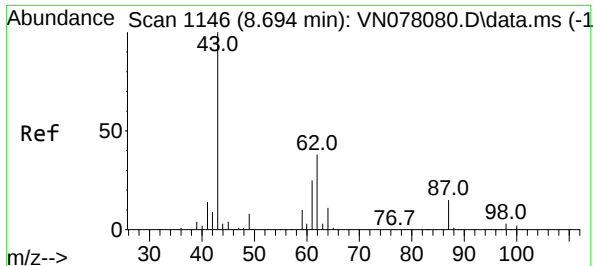


#37
 Ethyl Acetate
 Concen: 9.439 ug/l
 RT: 7.577 min Scan# 956
 Delta R.T. 0.006 min
 Lab File: VN078438.D
 Acq: 28 Jun 2023 13:51

Tgt Ion: 43 Resp: 56384

Ion	Ratio	Lower	Upper
43	100		
61	15.7	13.2	19.8
70	10.6	11.3	16.9

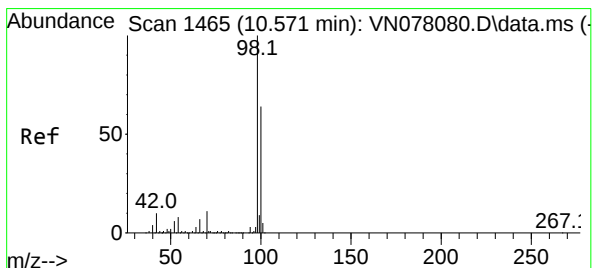
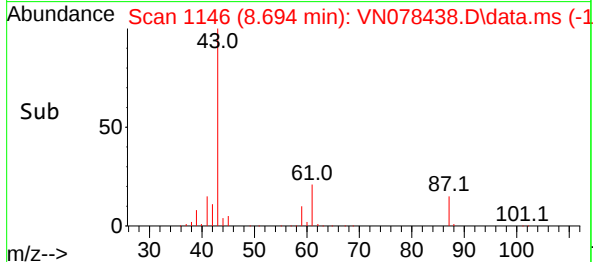
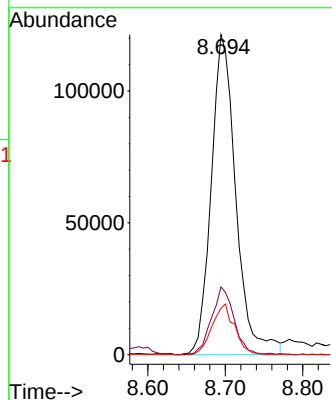
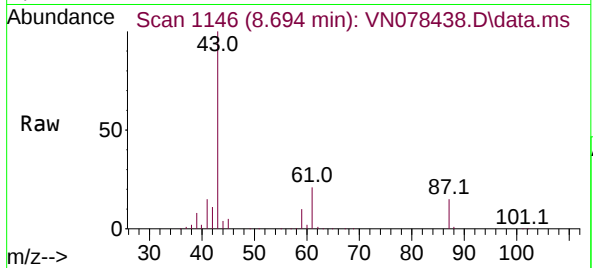




#43
Isopropyl Acetate
Concen: 23.468 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

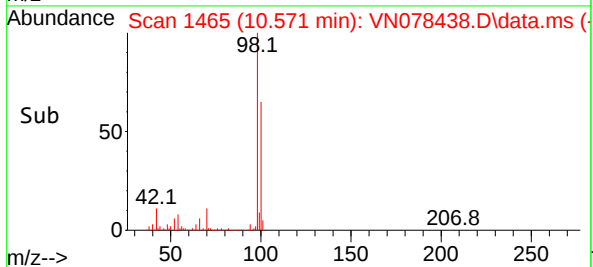
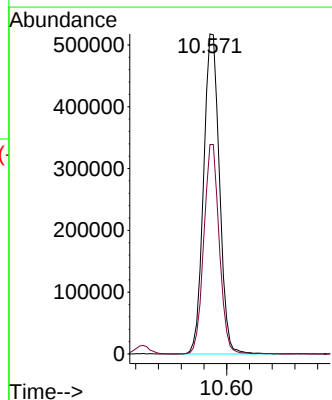
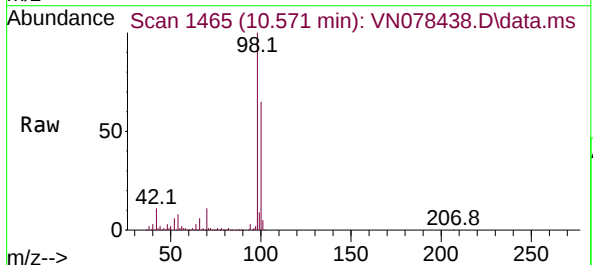
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

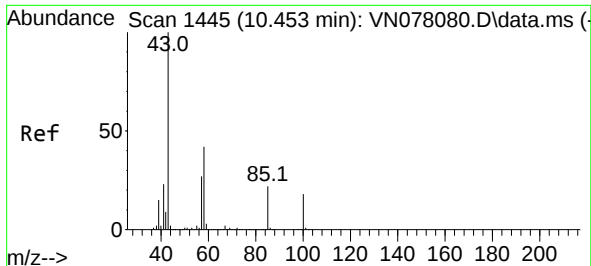
Tgt Ion: 43 Resp: 268092
Ion Ratio Lower Upper
43 100
61 19.2 24.7 37.1#
87 14.4 14.6 21.8#



#50
Toluene-d8
Concen: 48.734 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

Tgt Ion: 98 Resp: 1001507
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

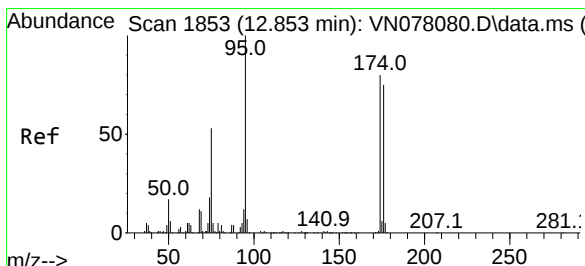
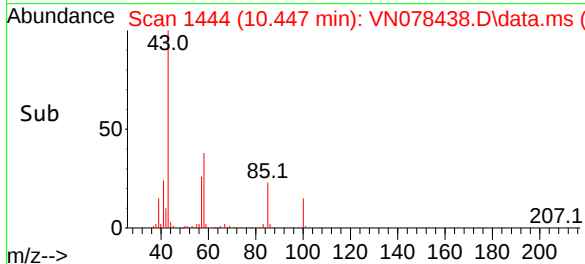
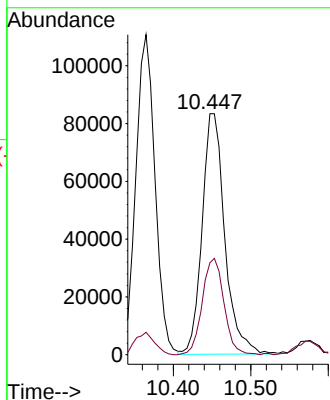
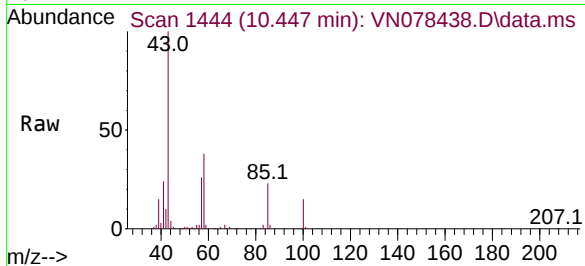




#51
4-Methyl-2-Pentanone
Concen: 28.184 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

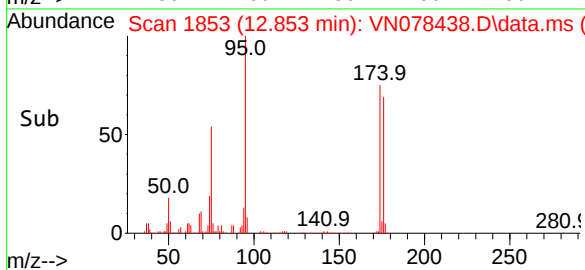
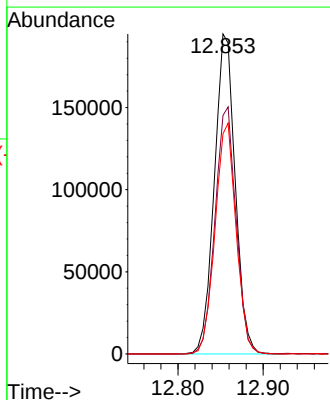
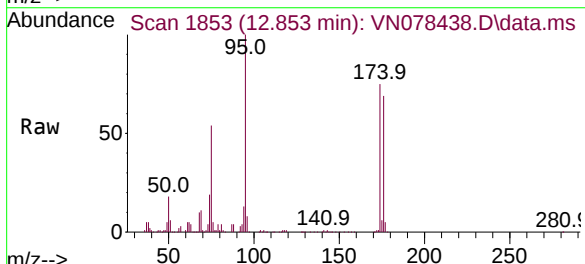
Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

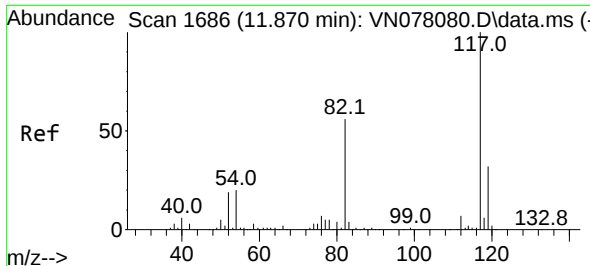
Tgt Ion: 43 Resp: 169545
Ion Ratio Lower Upper
43 100
58 38.1 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 51.879 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

Tgt Ion: 95 Resp: 331438
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 72.7 0.0 135.8

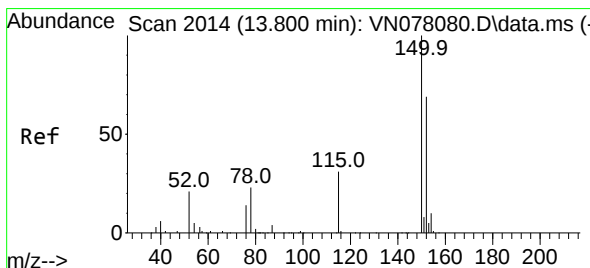
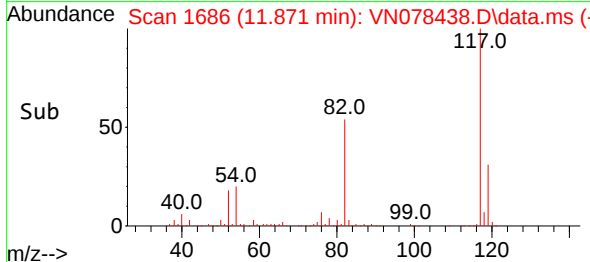
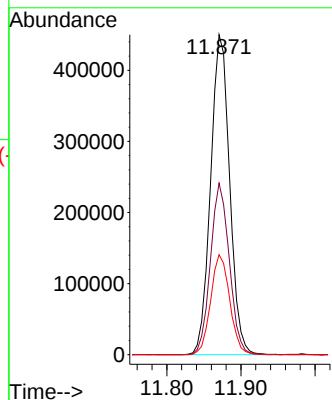
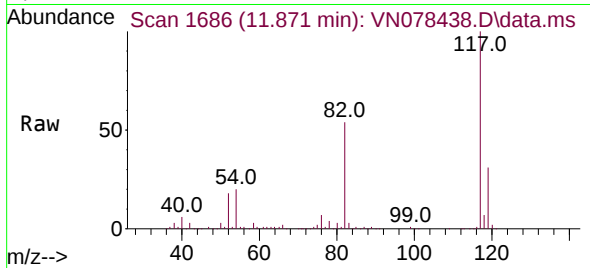




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078438.D
Acq: 28 Jun 2023 13:51

Instrument :
MSVOA_N
ClientSampleId :
PNNL-APM-0621-2

Tgt Ion:117 Resp: 802699
Ion Ratio Lower Upper
117 100
82 53.6 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: VN078438.D
Acq: 28 Jun 2023 13:51

Tgt Ion:152 Resp: 247139
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 160.7 0.0 355.8

