

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076739.D
 Acq On : 17 Feb 2023 17:04
 Operator : JC\MD
 Sample : 01609-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Feb 18 02:12:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

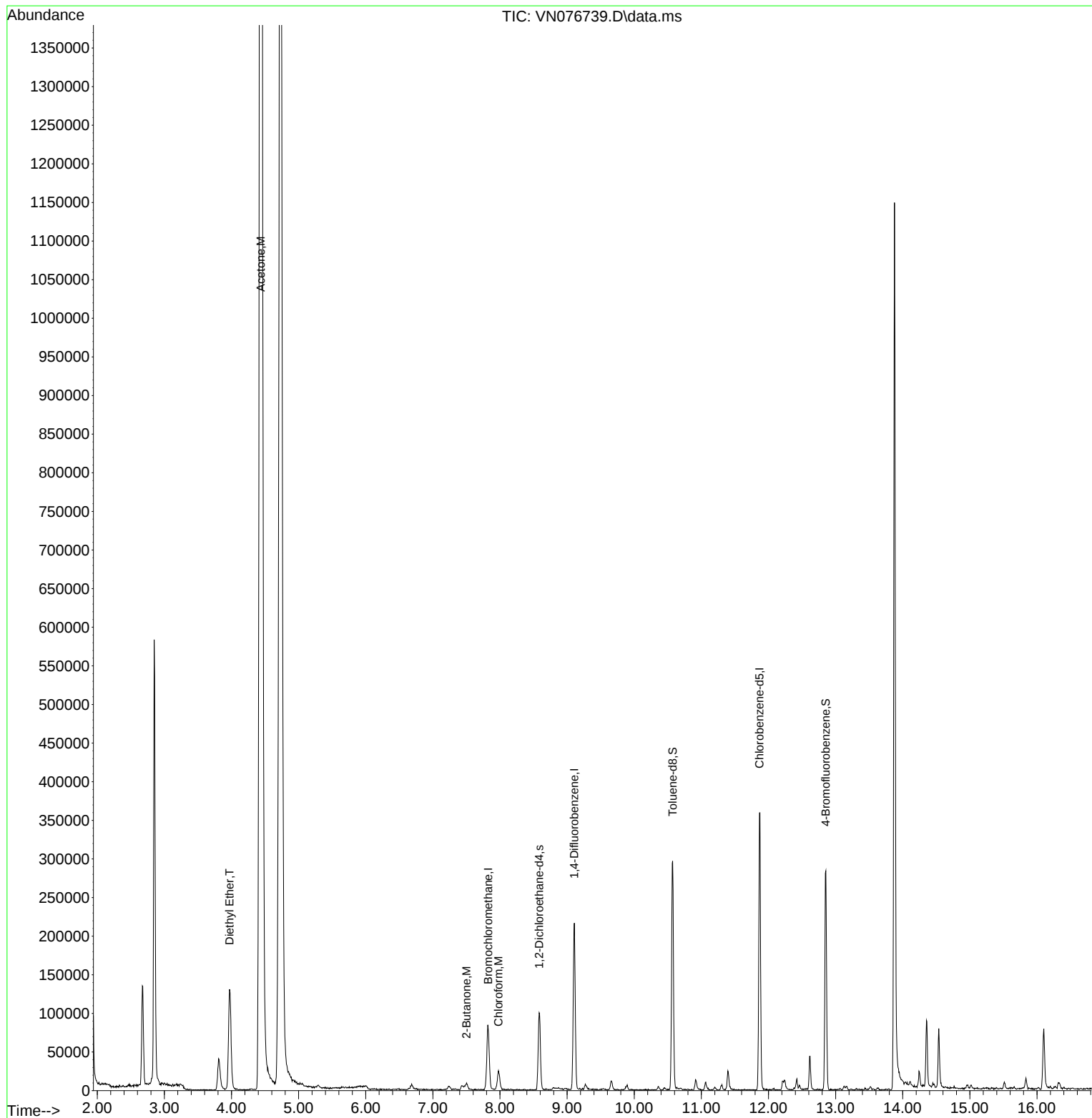
Internal Standards						
1) Bromochloromethane	7.825	128	25467	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	175222	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	195604	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	78518	33.710	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.367%#
60) 4-Bromofluorobenzene	12.854	95	92124	26.627	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.767%
63) Toluene-d8	10.572	98	197686	28.853	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.167%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.972	74	75733	43.350	ug/l	99
15) Acetone	4.437	58	1745418	3409.274	ug/l	94
25) Chloroform	7.978	83	16258	2.980	ug/l	95
30) 2-Butanone	7.501	43	13191	5.658	ug/l #	84

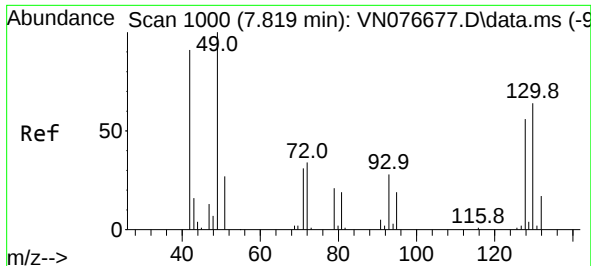
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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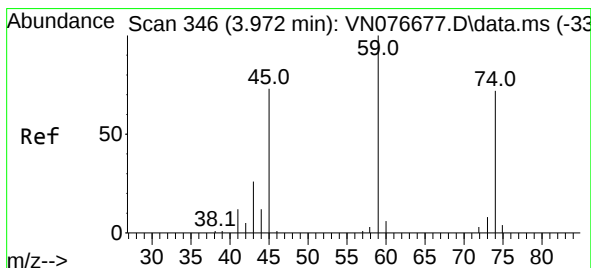
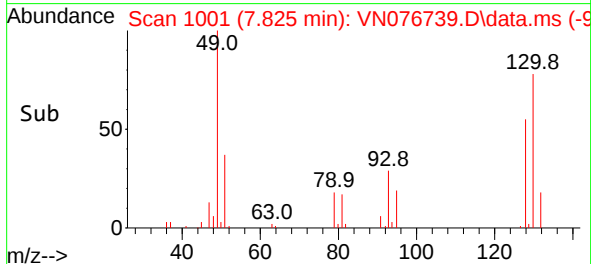
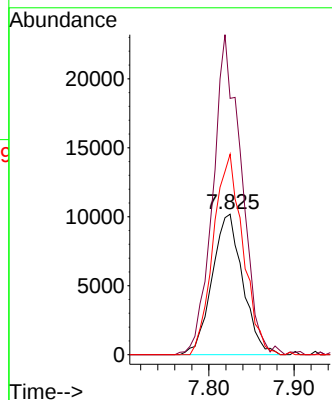
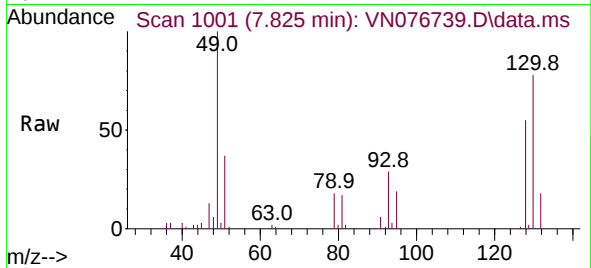




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

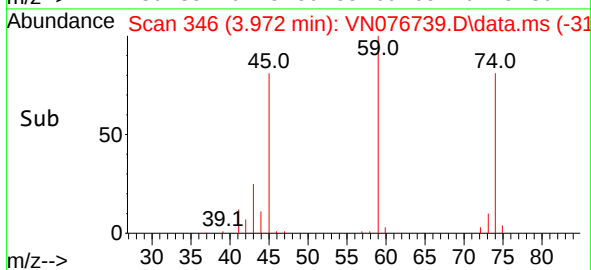
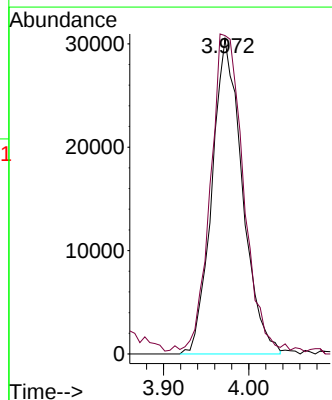
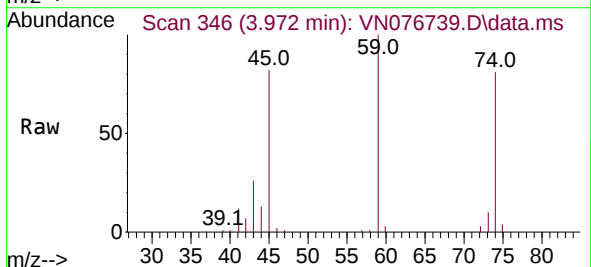
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

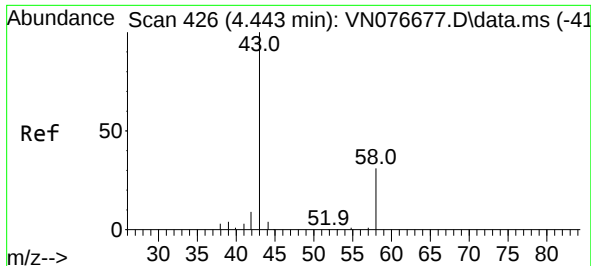
Tgt Ion:128 Resp: 25467
Ion Ratio Lower Upper
128 100
49 210.5 0.0 461.8
130 137.9 0.0 295.3



#8
Diethyl Ether
Concen: 43.350 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

Tgt Ion: 74 Resp: 75733
Ion Ratio Lower Upper
74 100
45 106.3 21.4 193.0





#15

Acetone

Concen: 3409.274 ug/l

RT: 4.437 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN076739.D

Acq: 17 Feb 2023 17:04

Instrument :

MSVOA_N

ClientSampleId :

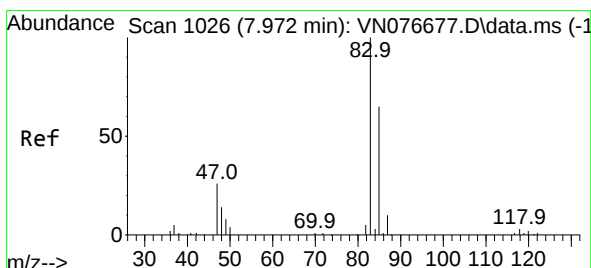
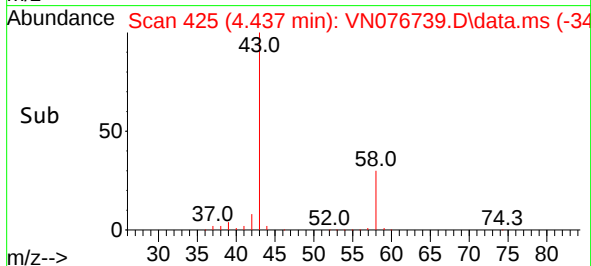
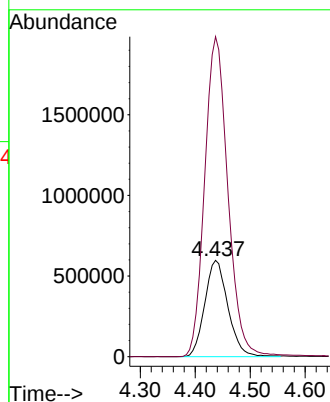
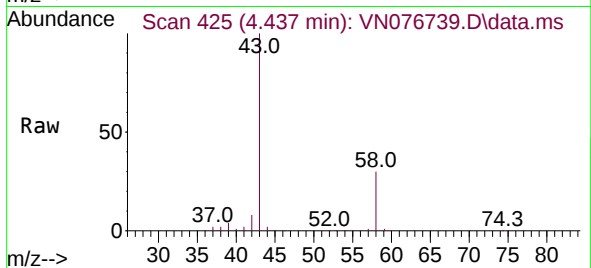
EFF-WW

Tgt Ion: 58 Resp: 1745418

Ion Ratio Lower Upper

58 100

43 332.5 255.4 383.0



#25

Chloroform

Concen: 2.980 ug/l

RT: 7.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN076739.D

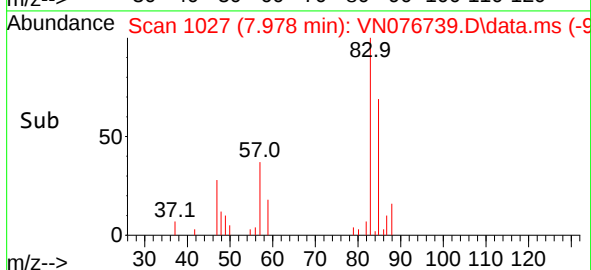
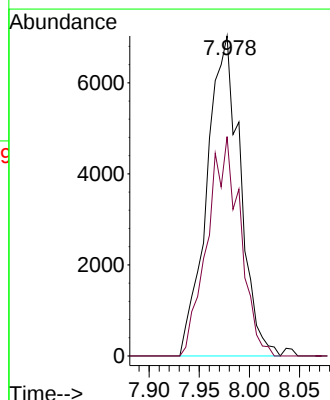
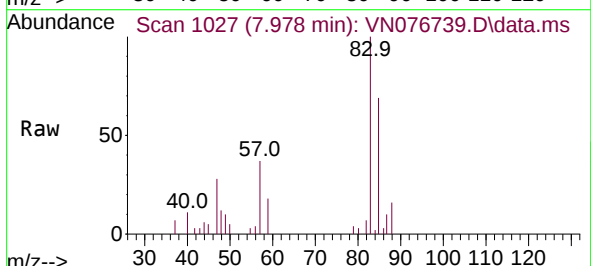
Acq: 17 Feb 2023 17:04

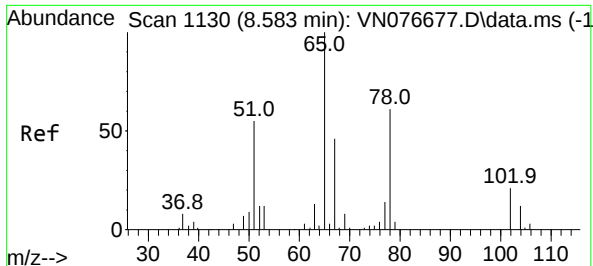
Tgt Ion: 83 Resp: 16258

Ion Ratio Lower Upper

83 100

85 68.5 51.8 77.6

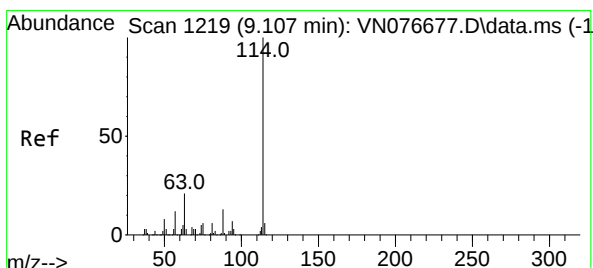
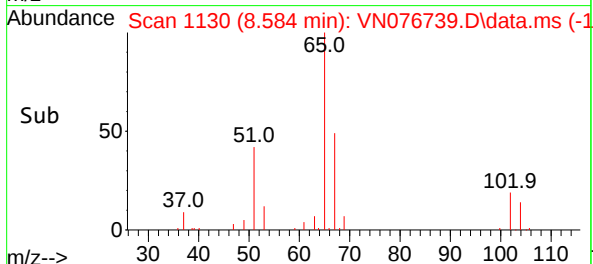
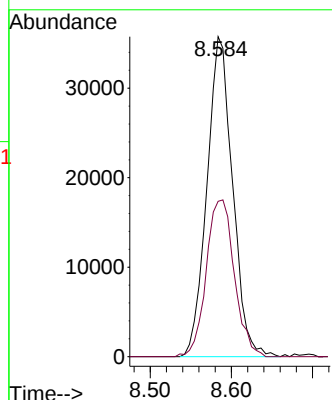
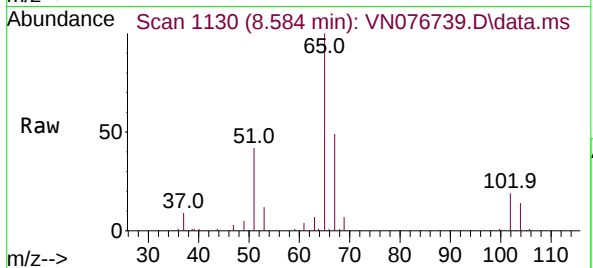




#27
1,2-Dichloroethane-d4
Concen: 33.710 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

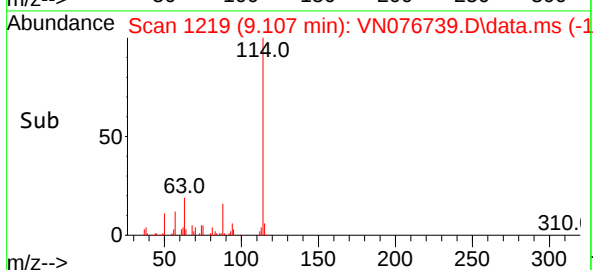
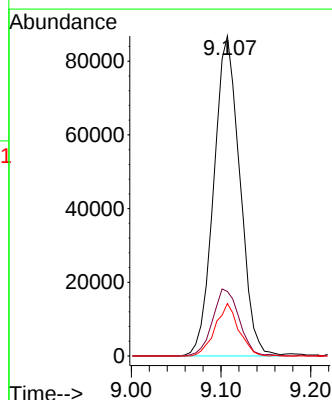
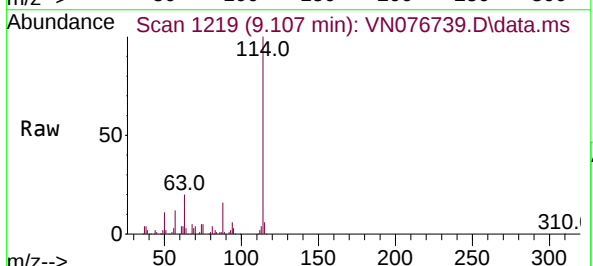
Instrument :
MSVOA_N
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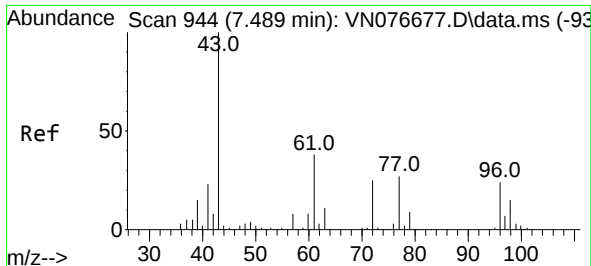
Tgt Ion: 65 Resp: 78518
Ion Ratio Lower Upper
65 100
67 53.6 40.9 61.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

Tgt Ion: 114 Resp: 175222
Ion Ratio Lower Upper
114 100
63 21.3 17.0 25.4
88 14.7 11.6 17.4

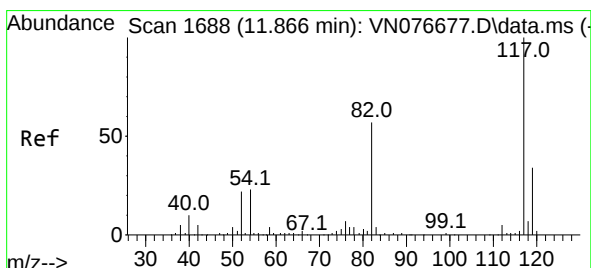
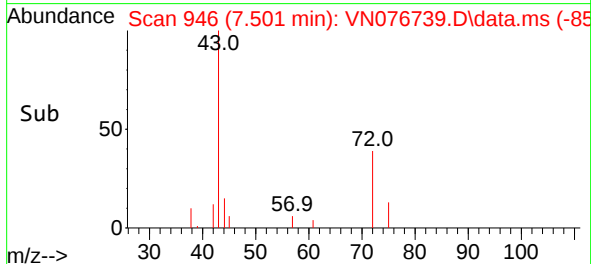
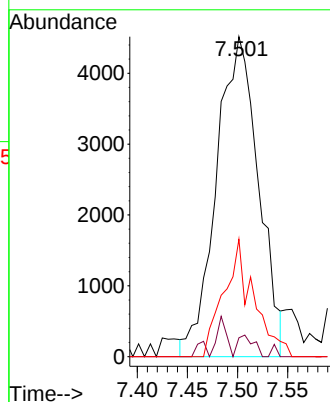
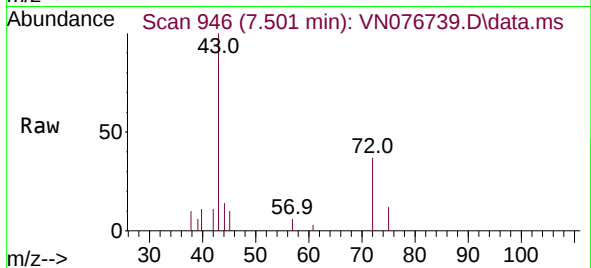




#30
2-Butanone
Concen: 5.658 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

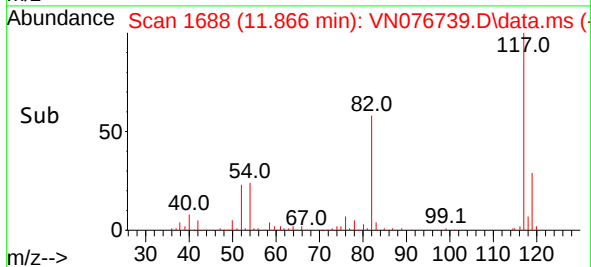
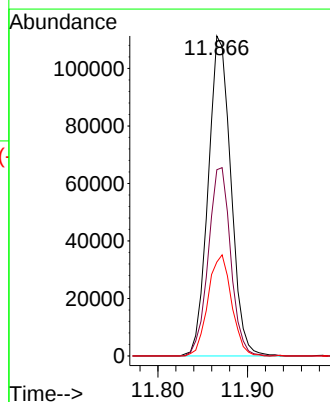
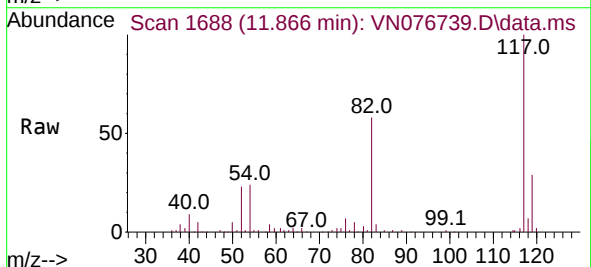
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

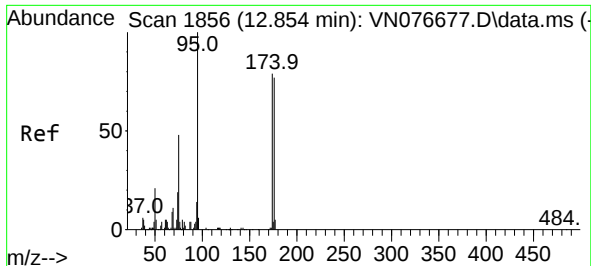
Tgt Ion: 43 Resp: 13191
Ion Ratio Lower Upper
43 100
57 2.6 6.1 9.1#
72 17.0 20.2 30.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

Tgt Ion: 117 Resp: 195604
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.0
119 32.7 26.8 40.2

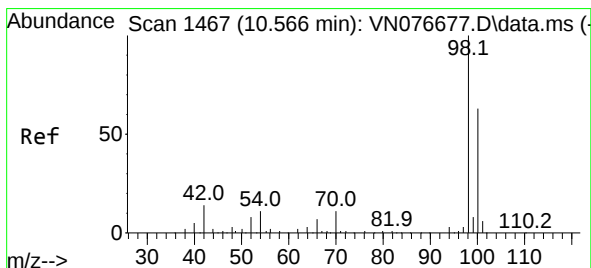
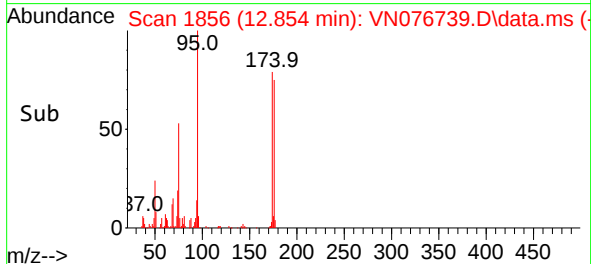
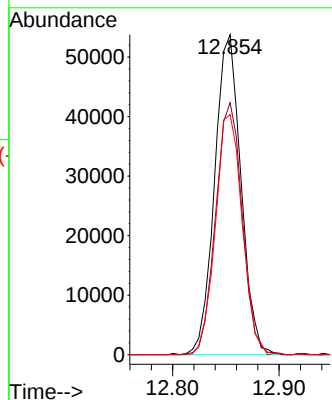
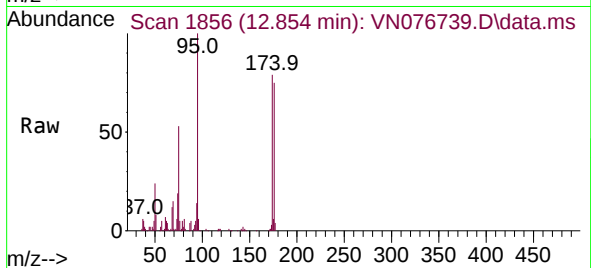




#60
4-Bromofluorobenzene
Concen: 26.627 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 92124
Ion Ratio Lower Upper
95 100
174 79.2 64.2 96.4
176 76.5 61.4 92.0



#63
Toluene-d8
Concen: 28.853 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076739.D
Acq: 17 Feb 2023 17:04

Tgt Ion: 98 Resp: 197686
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.6

