

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079303.D
 Acq On : 19 Sep 2023 15:50
 Operator : JC\MD
 Sample : 04478-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Sep 20 03:52:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

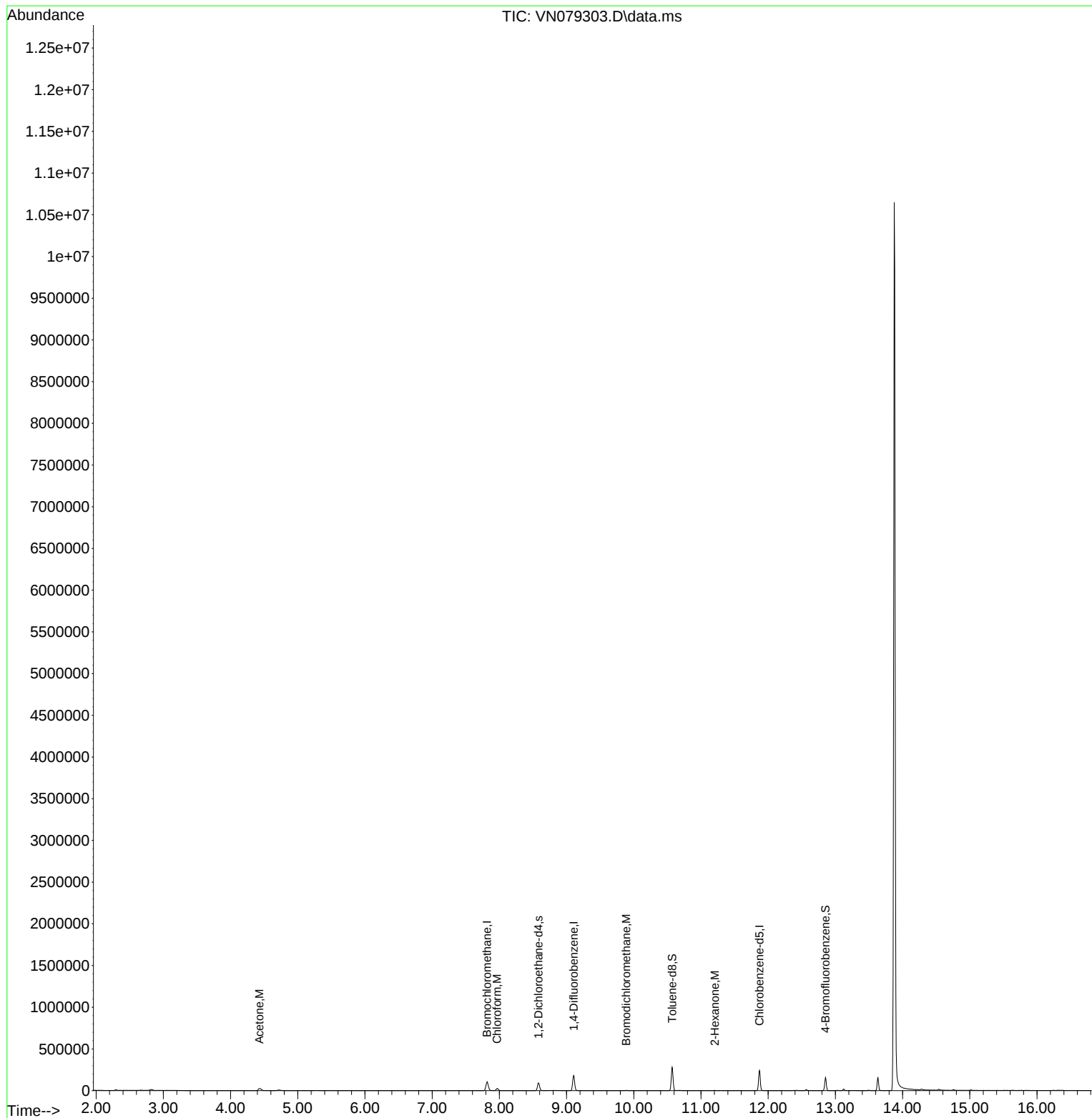
Internal Standards						
1) Bromochloromethane	7.818	128	33338	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	149536	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	135840	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	74974	29.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	12.853	95	50034	24.998	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.333%
63) Toluene-d8	10.571	98	188859	29.750	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.167%
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	16039	76.691	ug/l	86
25) Chloroform	7.965	83	25050	6.304	ug/l #	84
41) Bromodichloromethane	9.888	83	2341	0.906	ug/l	95
59) 2-Hexanone	11.206	43	2067	1.181	ug/l	93

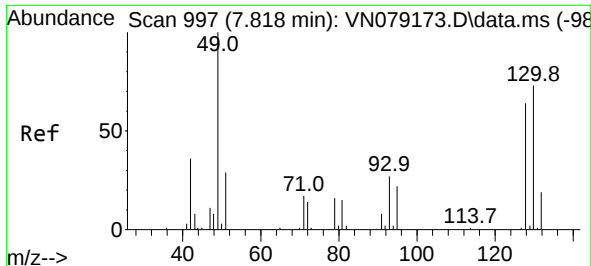
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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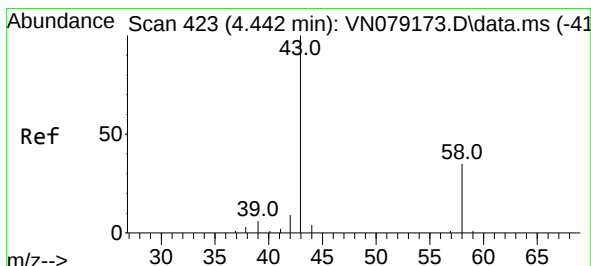
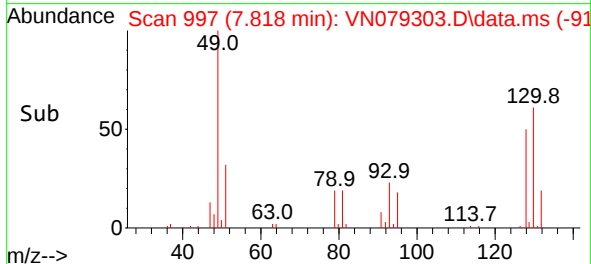
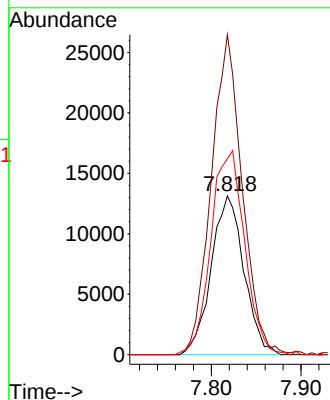
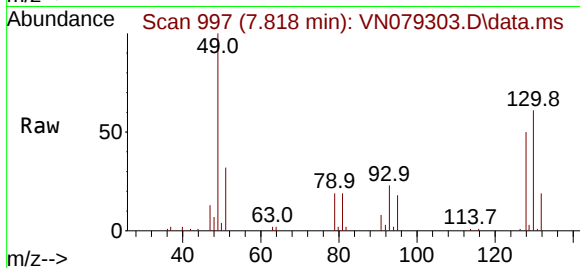




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079303.D
Acq: 19 Sep 2023 15:50

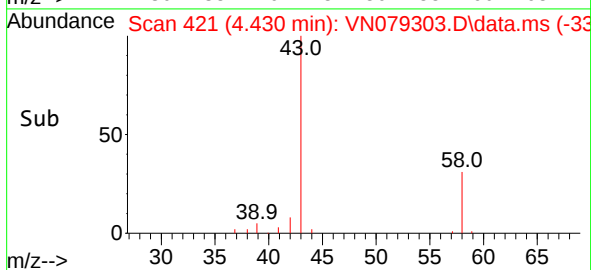
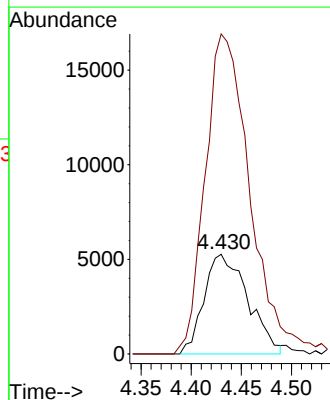
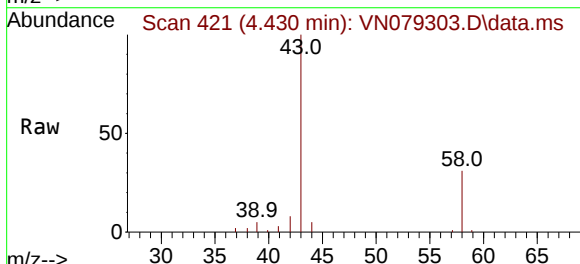
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

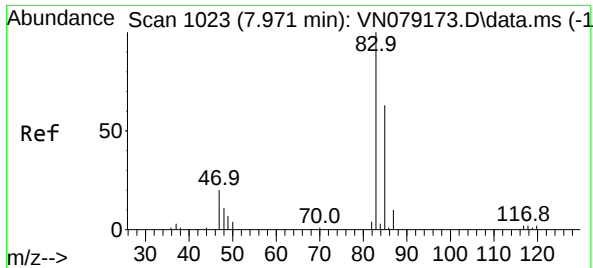
Tgt Ion:	128	Resp:	33338
Ion	Ratio	Lower	Upper
128	100		
49	188.5	0.0	414.3
130	132.4	0.0	311.0



#15
Acetone
Concen: 76.691 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.012 min
Lab File: VN079303.D
Acq: 19 Sep 2023 15:50

Tgt Ion:	58	Resp:	16039
Ion	Ratio	Lower	Upper
58	100		
43	312.8	228.3	342.5





#25

Chloroform

Concen: 6.304 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079303.D

Acq: 19 Sep 2023 15:50

Instrument :

MSVOA_N

ClientSampleId :

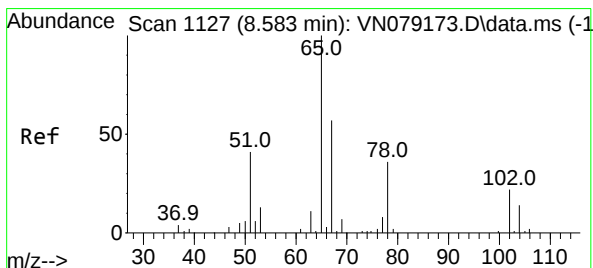
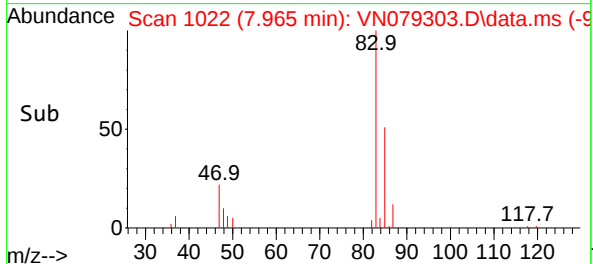
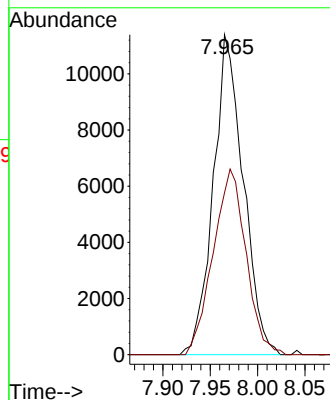
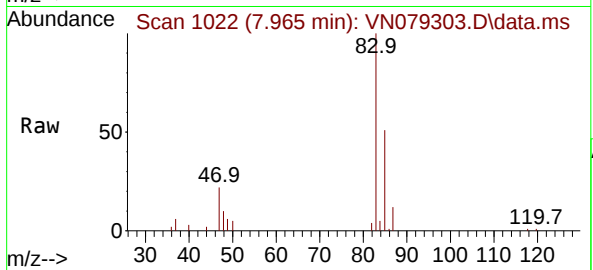
EFF-WW

Tgt Ion: 83 Resp: 25050

Ion Ratio Lower Upper

83 100

85 50.6 50.6 76.0#



#27

1,2-Dichloroethane-d4

Concen: 29.933 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079303.D

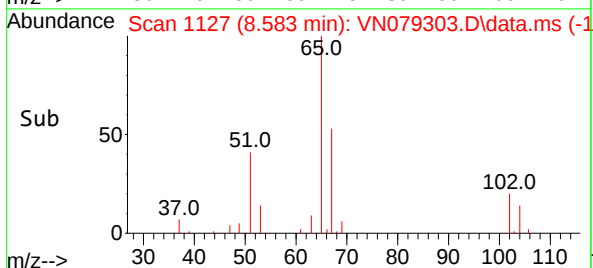
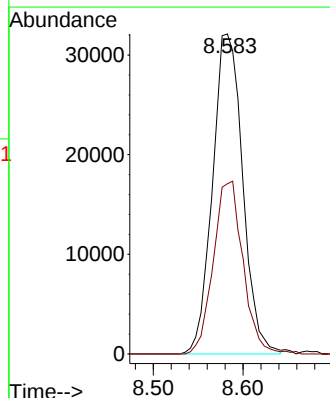
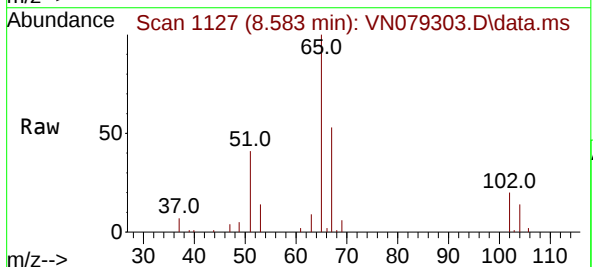
Acq: 19 Sep 2023 15:50

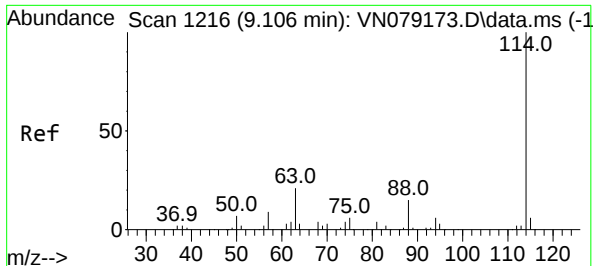
Tgt Ion: 65 Resp: 74974

Ion Ratio Lower Upper

65 100

67 53.1 44.4 66.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079303.D

Acq: 19 Sep 2023 15:50

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

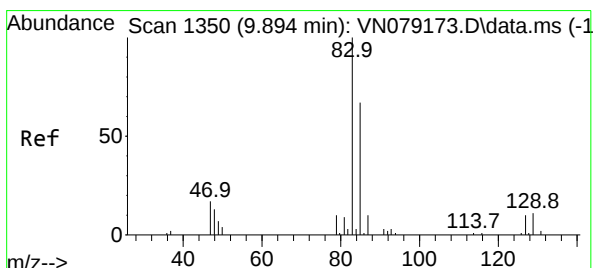
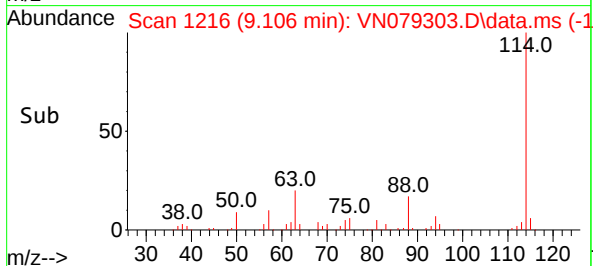
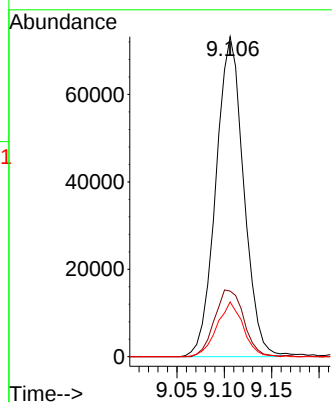
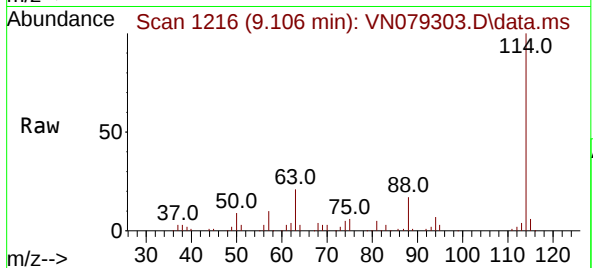
Tgt Ion:114 Resp: 149536

Ion Ratio Lower Upper

114 100

63 22.0 17.0 25.4

88 16.2 12.8 19.2



#41

Bromodichloromethane

Concen: 0.906 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.006 min

Lab File: VN079303.D

Acq: 19 Sep 2023 15:50

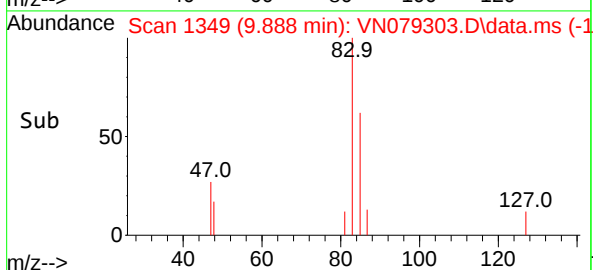
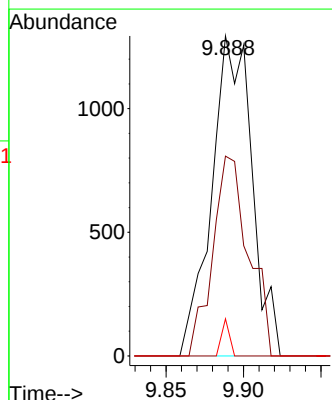
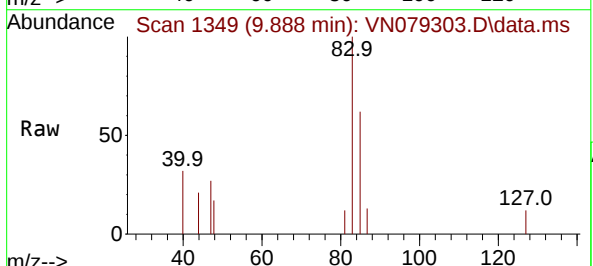
Tgt Ion: 83 Resp: 2341

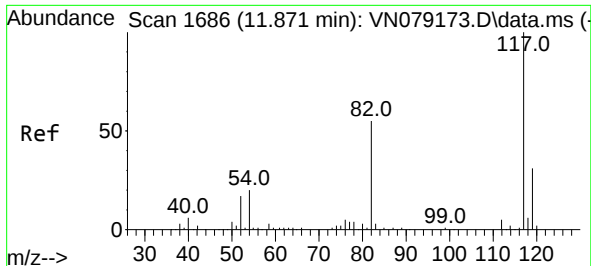
Ion Ratio Lower Upper

83 100

85 62.4 53.4 80.2

127 11.6 8.3 12.5





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079303.D

Acq: 19 Sep 2023 15:50

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

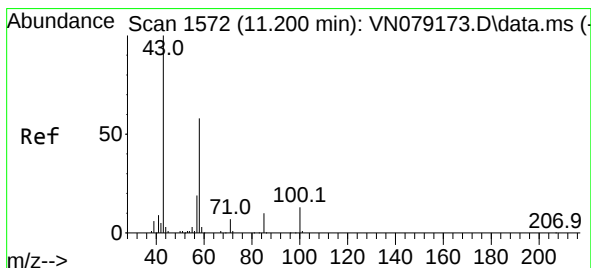
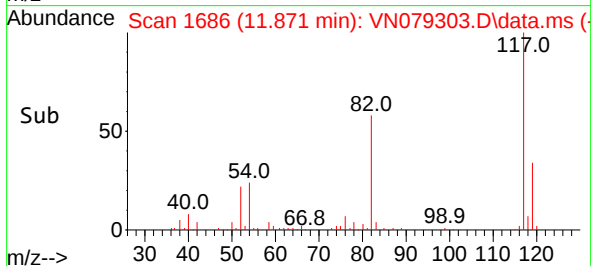
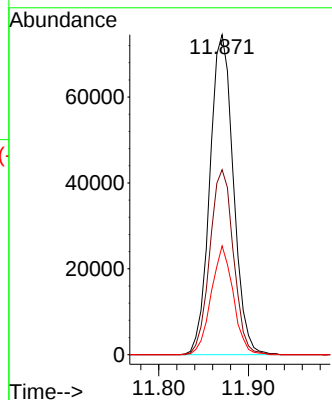
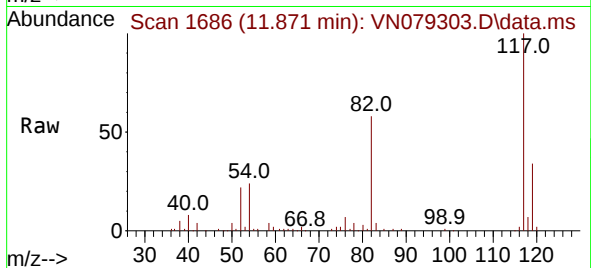
Tgt Ion:117 Resp: 135840

Ion Ratio Lower Upper

117 100

82 57.9 44.7 67.1

119 31.9 24.9 37.3



#59

2-Hexanone

Concen: 1.181 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079303.D

Acq: 19 Sep 2023 15:50

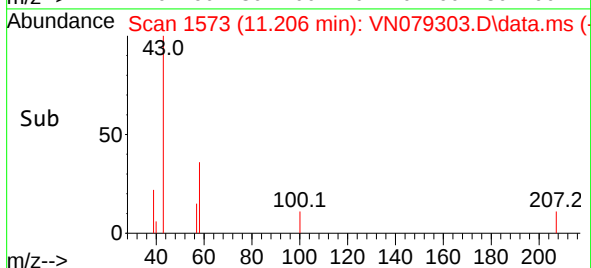
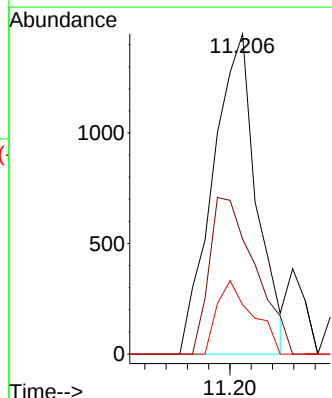
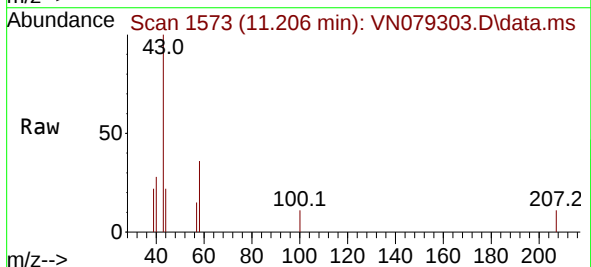
Tgt Ion: 43 Resp: 2067

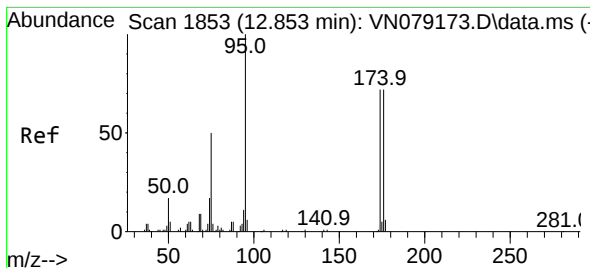
Ion Ratio Lower Upper

43 100

58 51.2 46.4 69.6

57 18.7 15.3 22.9

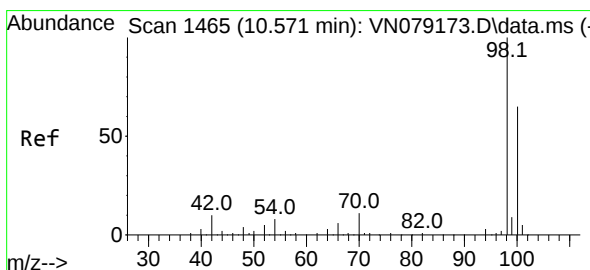
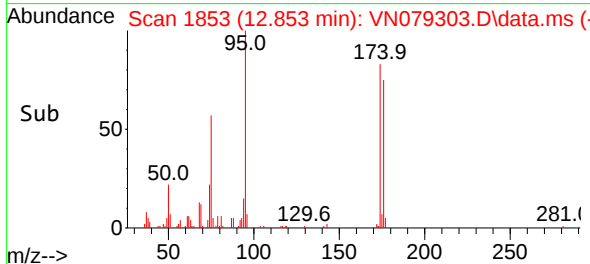
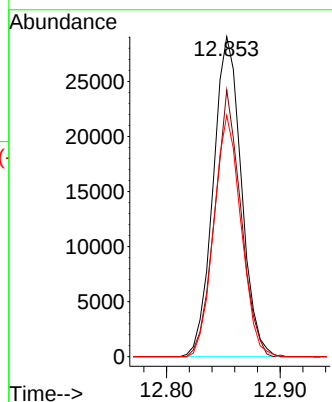
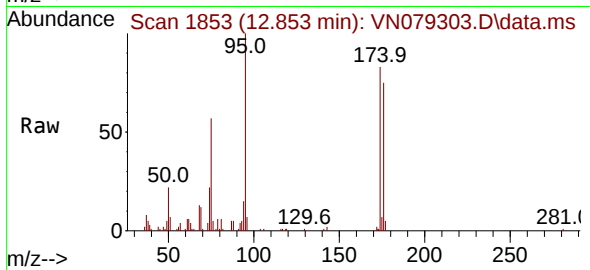




#60
4-Bromofluorobenzene
Concen: 24.998 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079303.D
Acq: 19 Sep 2023 15:50

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 50034
Ion Ratio Lower Upper
95 100
174 77.4 59.5 89.3
176 73.1 59.1 88.7



#63
Toluene-d8
Concen: 29.750 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079303.D
Acq: 19 Sep 2023 15:50

Tgt Ion: 98 Resp: 188859
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7

