

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076617.D
 Acq On : 10 Feb 2023 18:21
 Operator : JC\MD
 Sample : 01469-04RE 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4RE

Quant Time: Feb 11 00:59:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

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

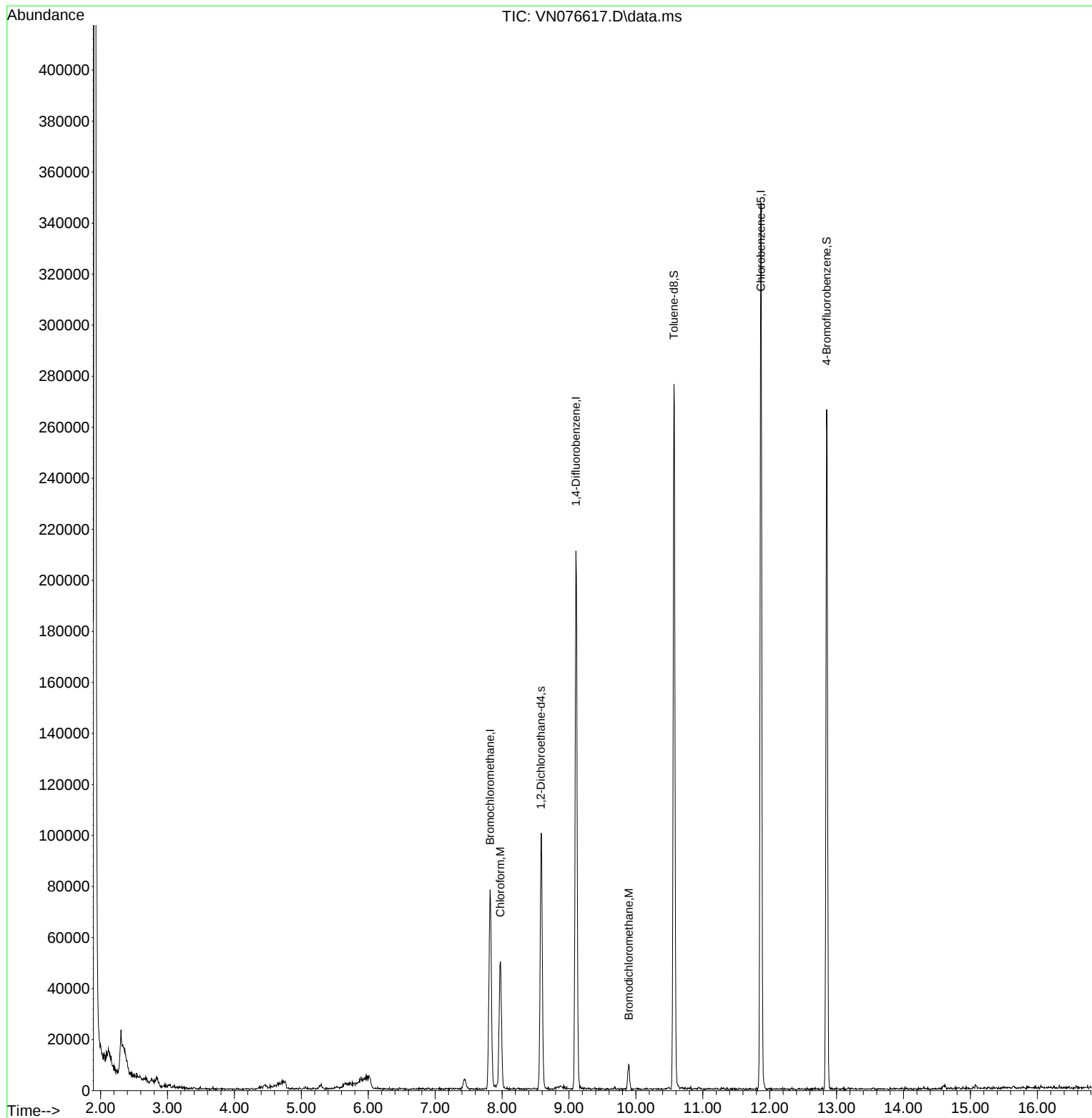
Internal Standards						
1) Bromochloromethane	7.822	128	26478	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	174547	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	188161	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.581	65	81892	26.241	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	87.467%#
60) 4-Bromofluorobenzene	12.851	95	94907	22.342	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.467%
63) Toluene-d8	10.569	98	190429	27.563	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	91.867%
Target Compounds						
					Qvalue	
25) Chloroform	7.975	83	49923	7.114	ug/l	95
41) Bromodichloromethane	9.892	83	6632	1.447	ug/l #	91

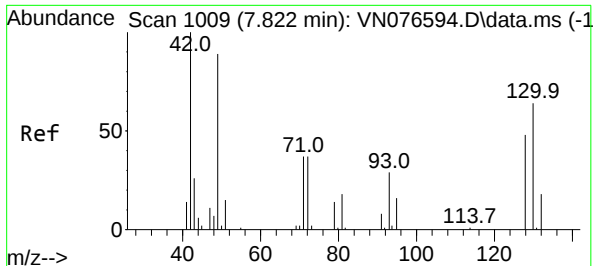
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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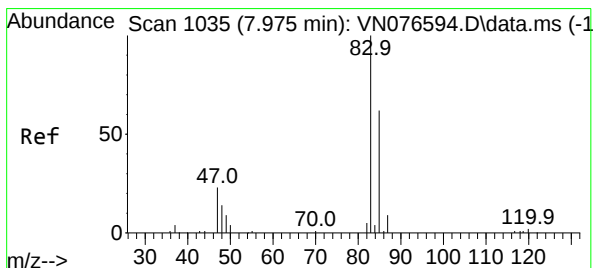
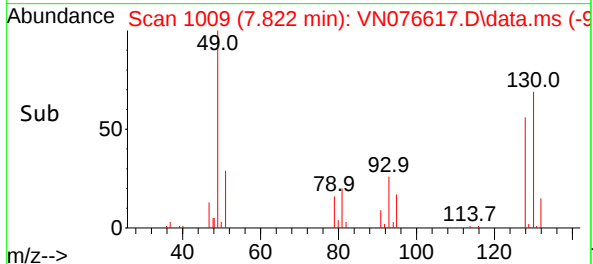
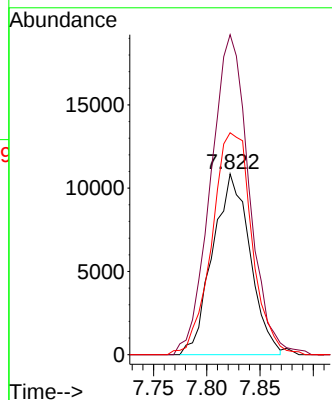
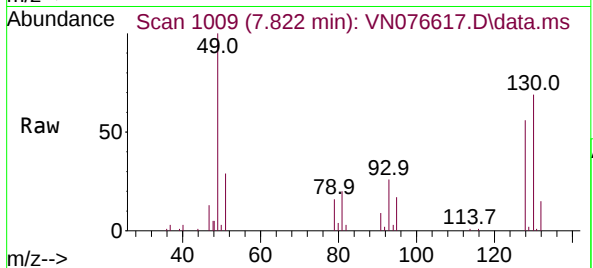




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

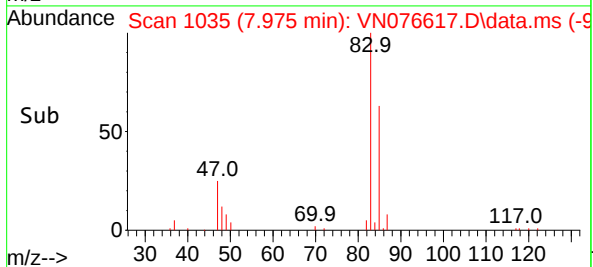
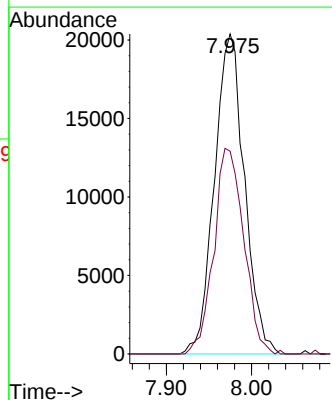
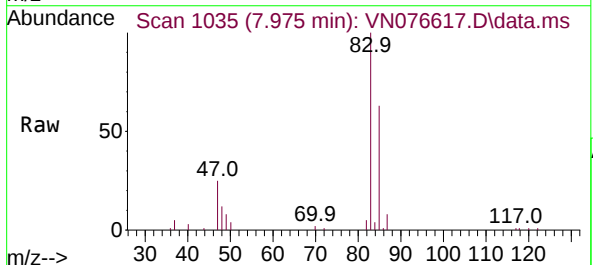
Instrument :
MSVOA_N
ClientSampleId :
14B-4RE

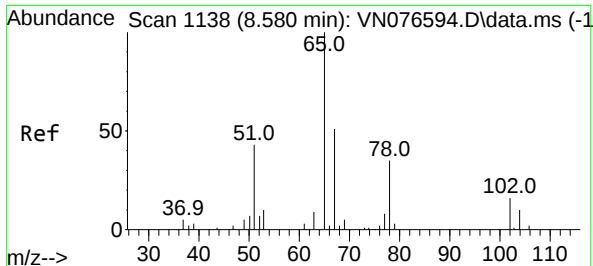
Tgt Ion:128 Resp: 26478
Ion Ratio Lower Upper
128 100
49 181.8 0.0 492.0
130 130.8 0.0 313.3



#25
Chloroform
Concen: 7.114 ug/l
RT: 7.975 min Scan# 1035
Delta R.T. -0.002 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

Tgt Ion: 83 Resp: 49923
Ion Ratio Lower Upper
83 100
85 63.4 53.6 80.4





#27

1,2-Dichloroethane-d4

Concen: 26.241 ug/l

RT: 8.581 min Scan# 1138

Delta R.T. -0.007 min

Lab File: VN076617.D

Acq: 10 Feb 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :

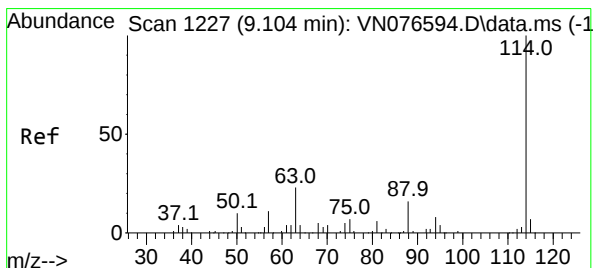
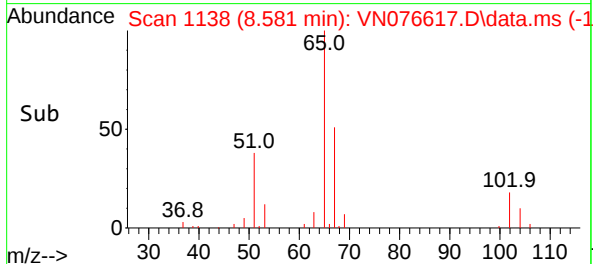
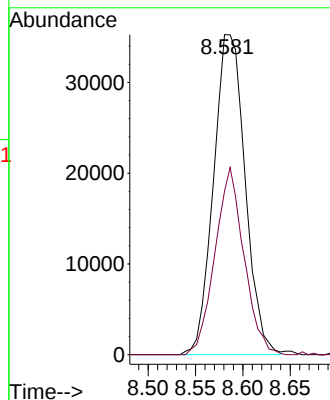
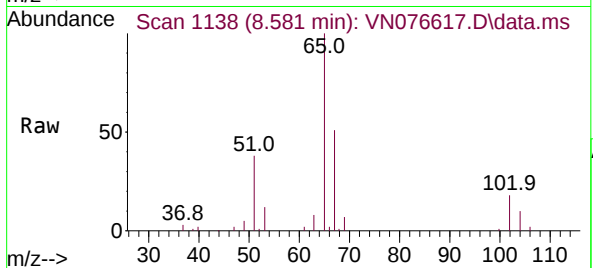
14B-4RE

Tgt Ion: 65 Resp: 81892

Ion Ratio Lower Upper

65 100

67 53.6 45.2 67.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076617.D

Acq: 10 Feb 2023 18:21

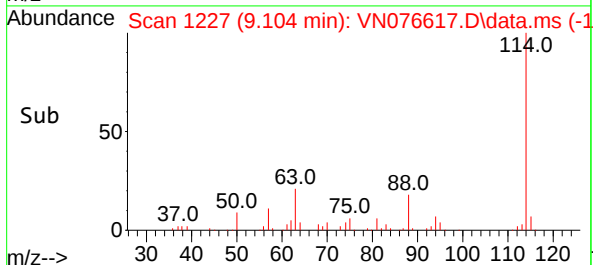
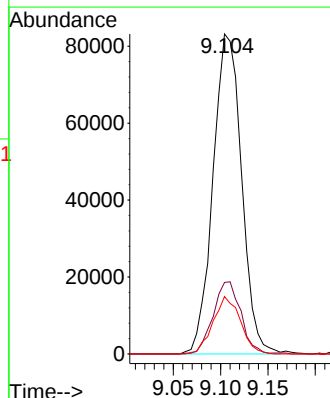
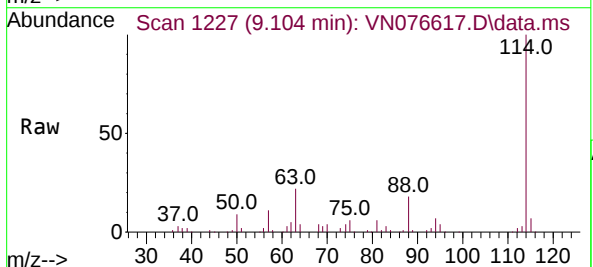
Tgt Ion: 114 Resp: 174547

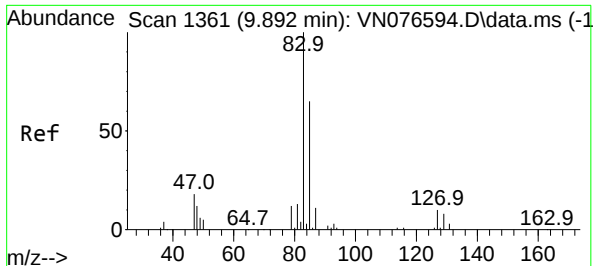
Ion Ratio Lower Upper

114 100

63 21.8 16.6 25.0

88 17.2 12.2 18.4

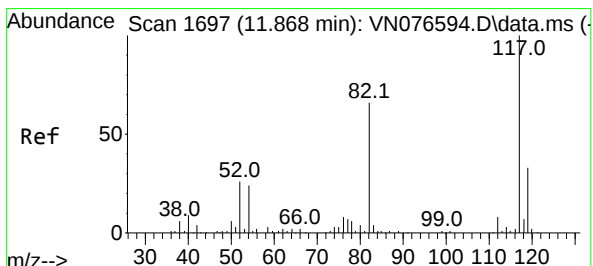
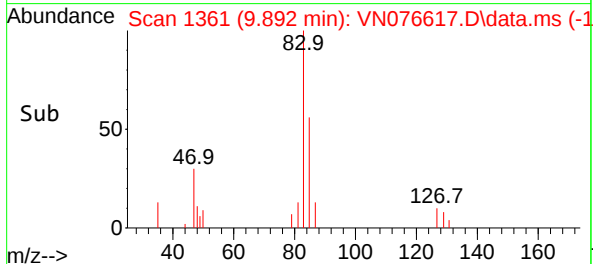
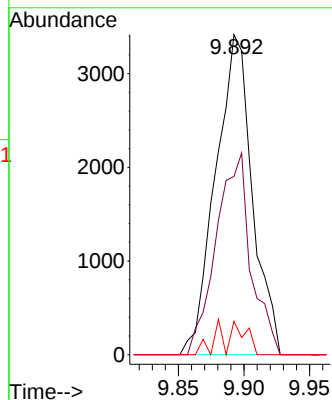
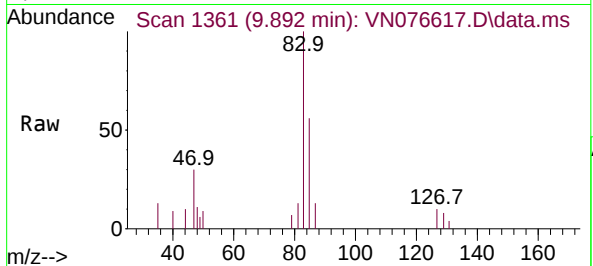




#41
Bromodichloromethane
Concen: 1.447 ug/l
RT: 9.892 min Scan# 1361
Delta R.T. 0.004 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

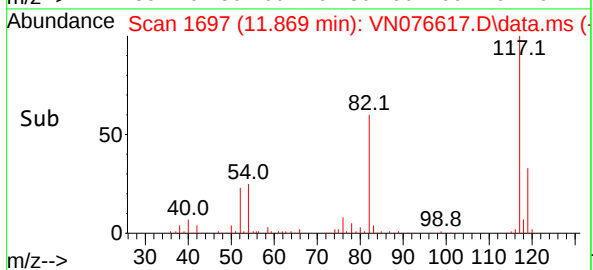
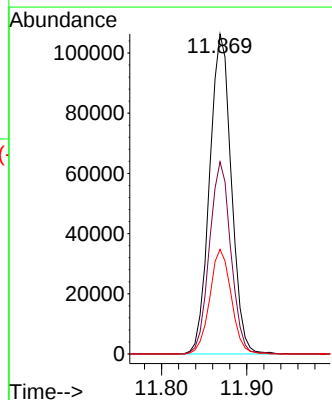
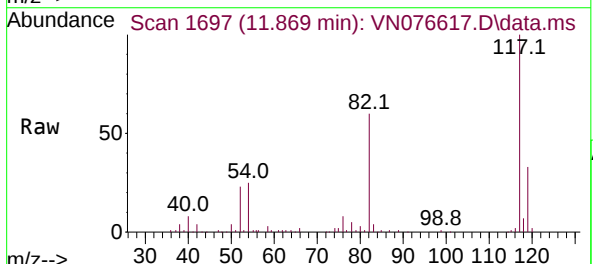
Instrument :
MSVOA_N
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14B-4RE

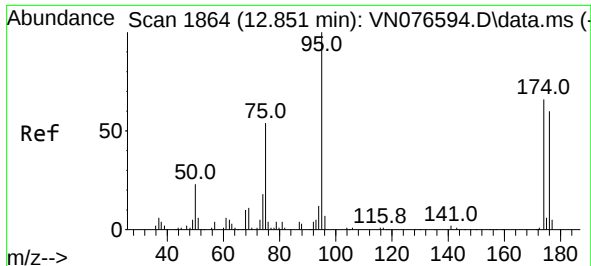
Tgt Ion: 83 Resp: 6632
Ion Ratio Lower Upper
83 100
85 55.7 50.2 75.4
127 10.4 5.1 7.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. -0.002 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

Tgt Ion: 117 Resp: 188161
Ion Ratio Lower Upper
117 100
82 59.2 44.6 67.0
119 32.4 25.6 38.4

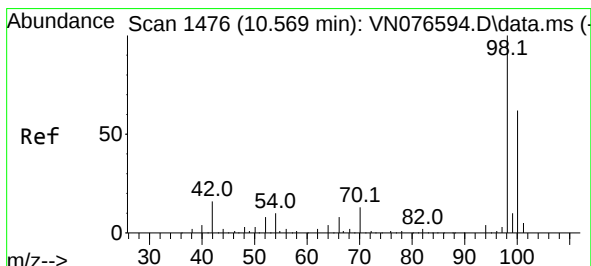
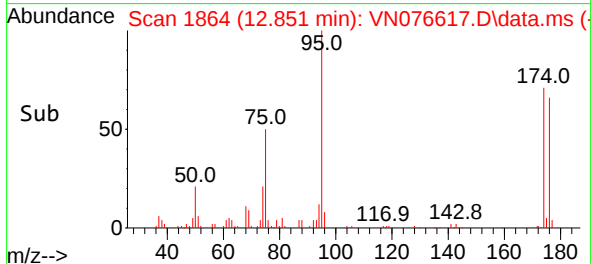
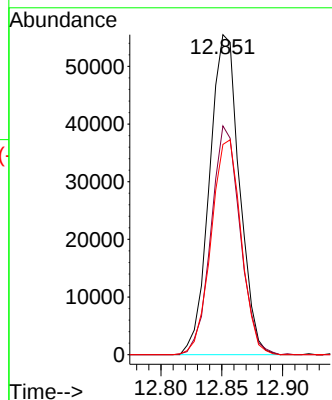
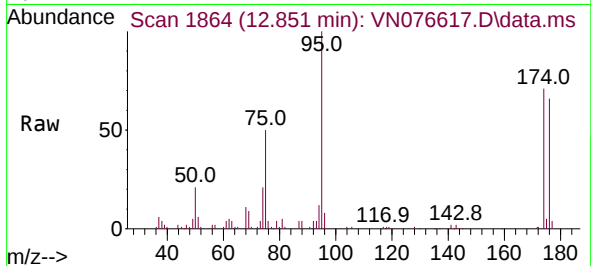




#60
4-Bromofluorobenzene
Concen: 22.342 ug/l
RT: 12.851 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :
14B-4RE

Tgt Ion: 95 Resp: 94907
Ion Ratio Lower Upper
95 100
174 69.3 57.8 86.8
176 67.1 57.0 85.4



#63
Toluene-d8
Concen: 27.563 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076617.D
Acq: 10 Feb 2023 18:21

Tgt Ion: 98 Resp: 190429
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1

