

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076613.D
 Acq On : 10 Feb 2023 16:45
 Operator : JC\MD
 Sample : 01469-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:58:00 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	7.828	128	27443	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	171181	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	180261	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	86367	26.702	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.000%#		
60) 4-Bromofluorobenzene	12.851	95	92211	22.659	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	75.533%		
63) Toluene-d8	10.575	98	189407	28.617	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.400%		
Target Compounds						
25) Chloroform	7.975	83	47280	6.500	ug/l	93
41) Bromodichloromethane	9.898	83	6572m	1.462	ug/l	

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

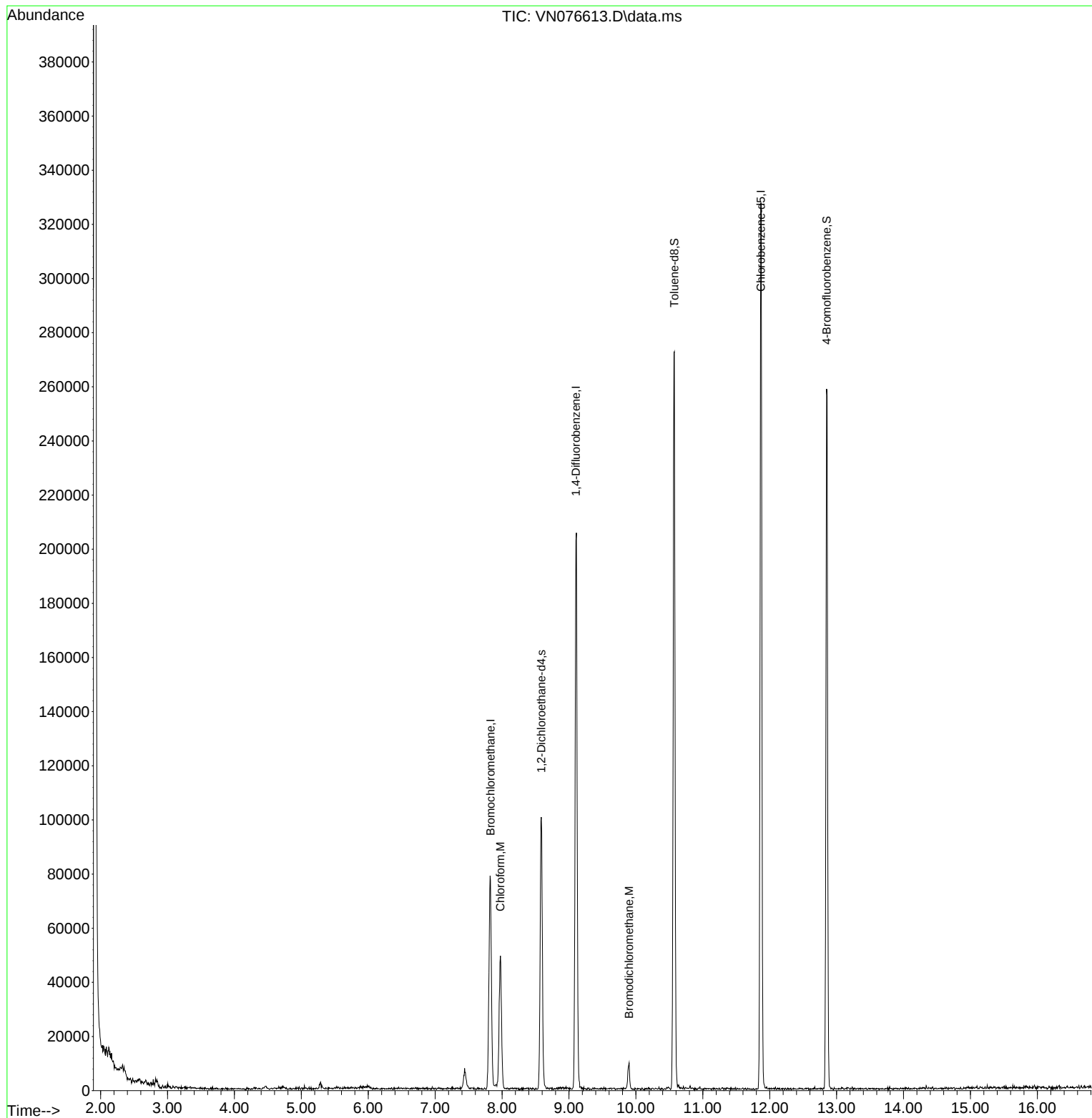
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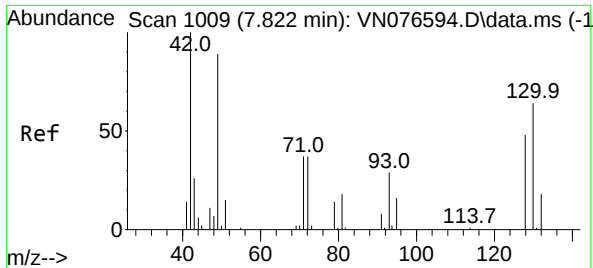
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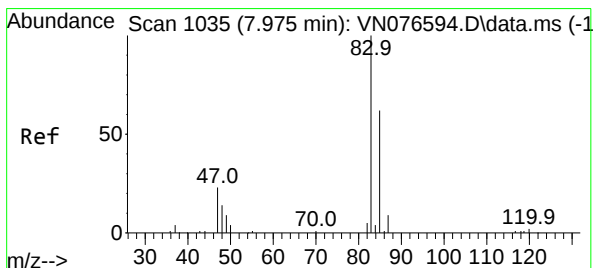
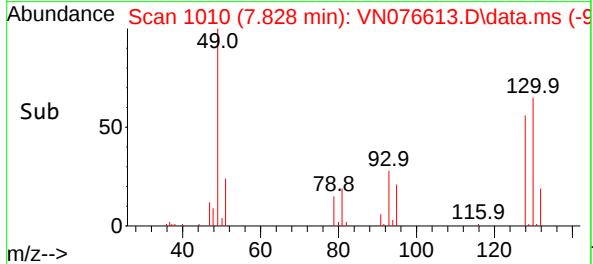
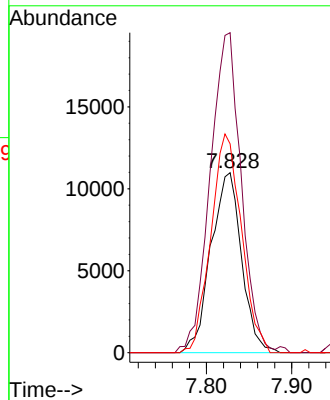
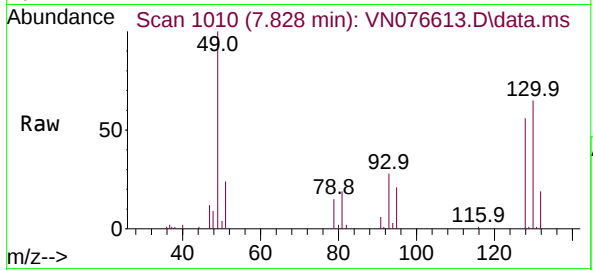
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 1010
Delta R.T. -0.002 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion:128 Resp: 2744
Ion Ratio Lower Upper
128 100
49 179.6 0.0 492.0
130 121.2 0.0 313.3

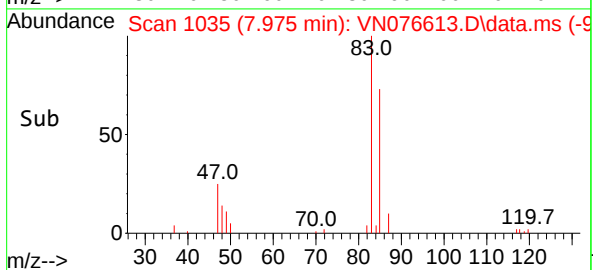
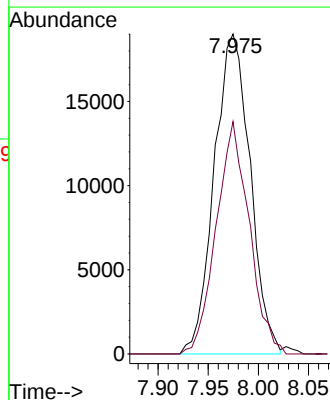
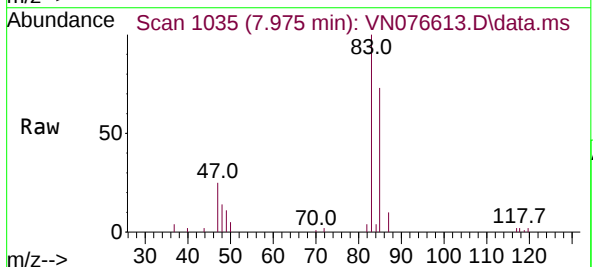
Manual Integrations
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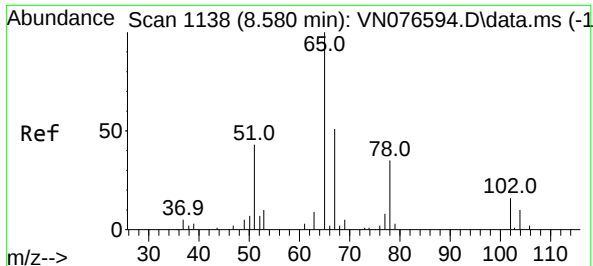
Reviewed By :John Carlone 02/13/2023
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#25
Chloroform
Concen: 6.500 ug/l
RT: 7.975 min Scan# 1035
Delta R.T. -0.002 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45

Tgt Ion: 83 Resp: 47280
Ion Ratio Lower Upper
83 100
85 72.6 53.6 80.4





#27

1,2-Dichloroethane-d4

Concen: 26.702 ug/l

RT: 8.586 min Scan# 1139

Delta R.T. -0.002 min

Lab File: VN076613.D

Acq: 10 Feb 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

14B-4

Tgt Ion: 65 Resp: 8636

Ion Ratio Lower Upper

65 100

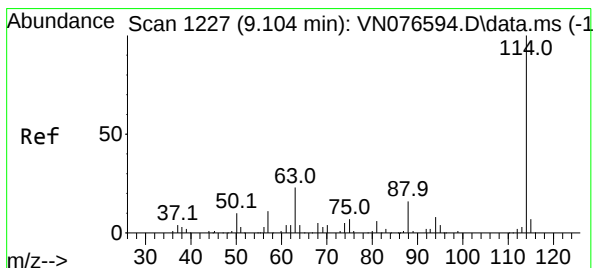
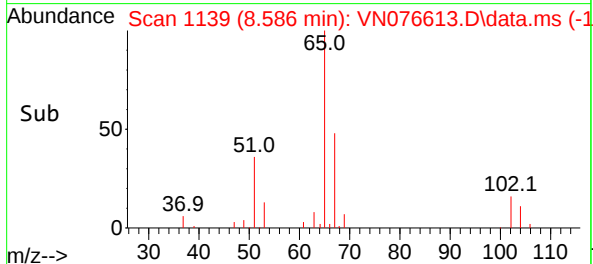
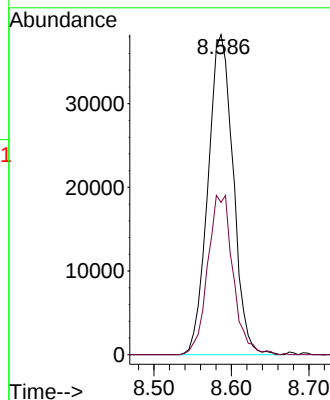
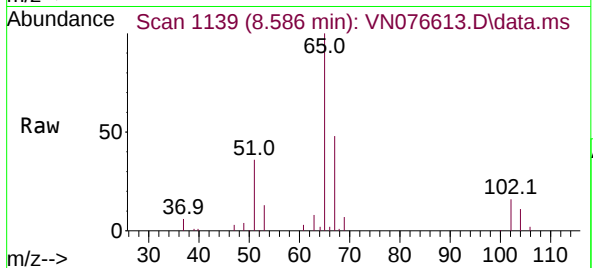
67 50.0 45.2 67.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076613.D

Acq: 10 Feb 2023 16:45

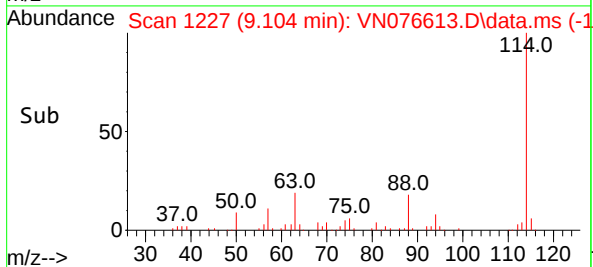
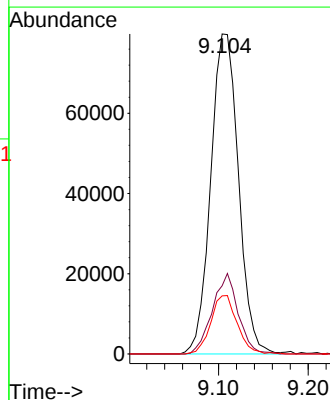
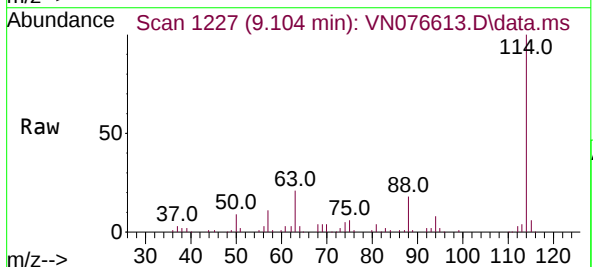
Tgt Ion:114 Resp: 171181

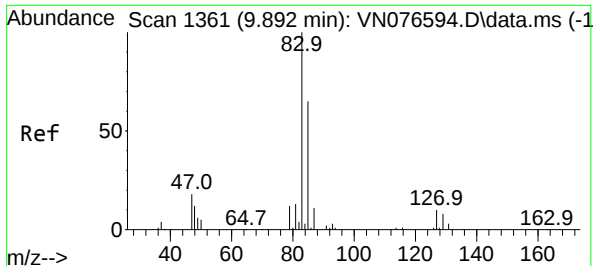
Ion Ratio Lower Upper

114 100

63 23.3 16.6 25.0

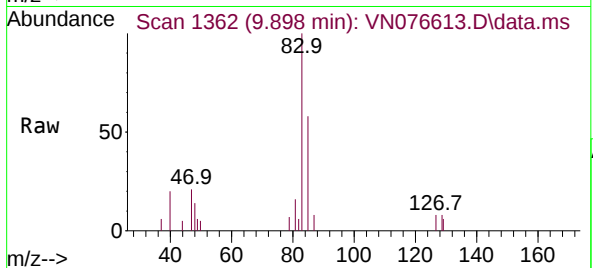
88 17.3 12.2 18.4





#41
Bromodichloromethane
Concen: 1.462 ug/l m
RT: 9.898 min Scan# 1361
Delta R.T. 0.010 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45

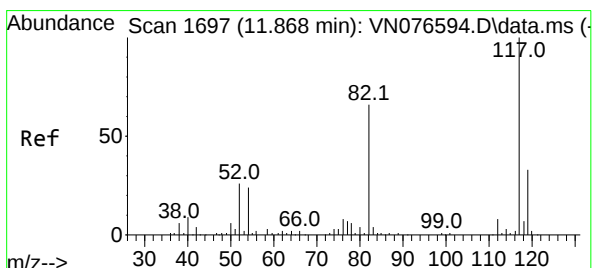
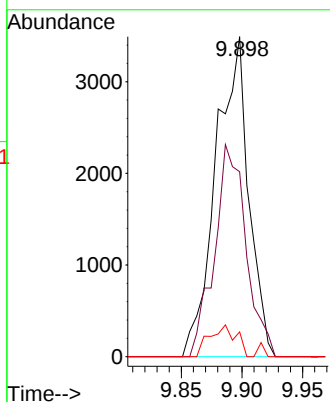
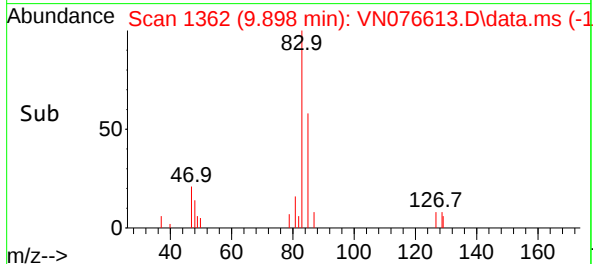
Instrument :
MSVOA_N
ClientSampleId :
14B-4



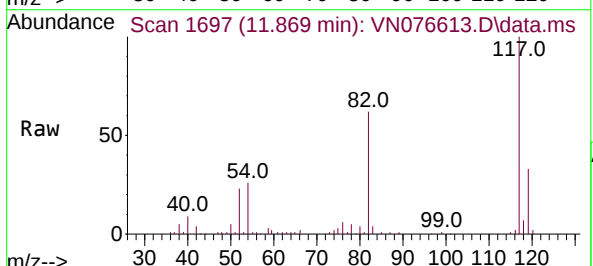
Tgt Ion: 83 Resp: 6572
Ion Ratio Lower Upper
83 100
85 57.8 50.2 75.4
127 7.7 5.1 7.7

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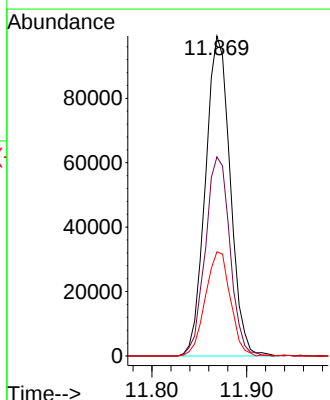
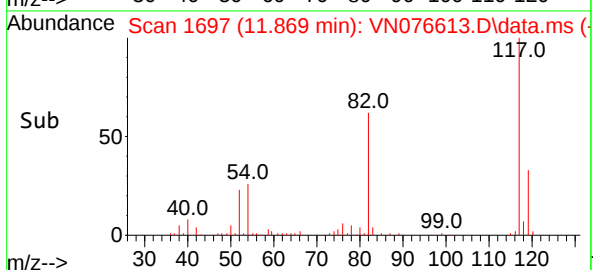
Reviewed By :John Carlone 02/13/2023
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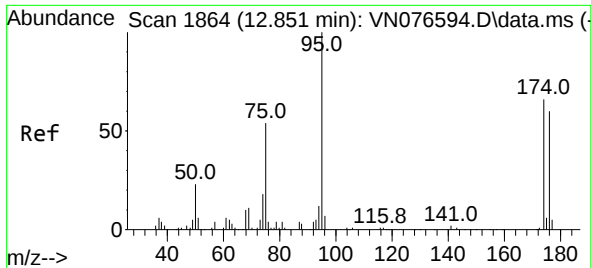


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 1697
Delta R.T. -0.002 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45



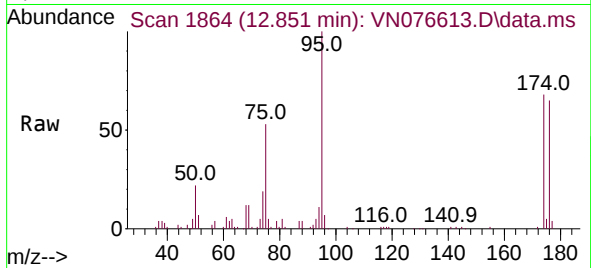
Tgt Ion:117 Resp: 180261
Ion Ratio Lower Upper
117 100
82 62.0 44.6 67.0
119 32.7 25.6 38.4





#60
4-Bromofluorobenzene
Concen: 22.659 ug/l
RT: 12.851 min Scan# 11
Delta R.T. -0.002 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45

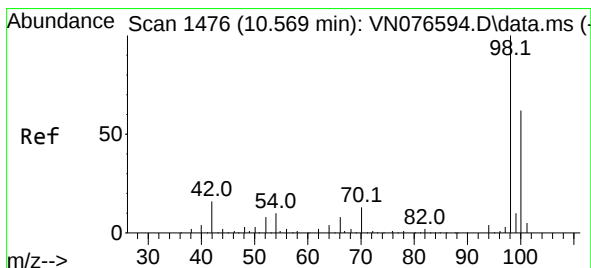
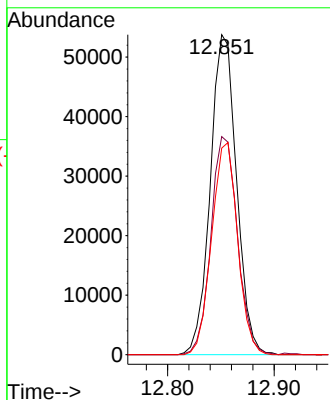
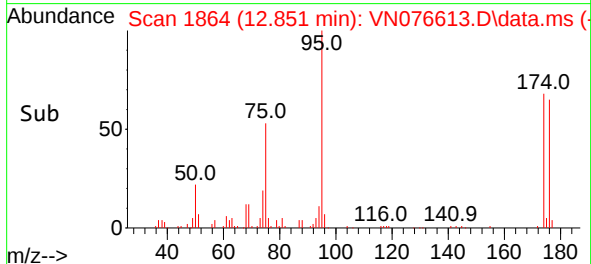
Instrument :
MSVOA_N
ClientSampleId :
14B-4



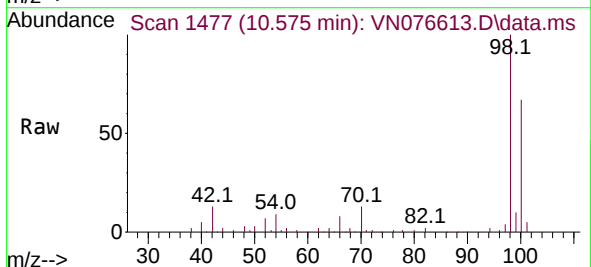
Tgt Ion: 95 Resp: 9221
Ion Ratio Lower Upper
95 100
174 68.8 57.8 86.8
176 65.3 57.0 85.4

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#63
Toluene-d8
Concen: 28.617 ug/l
RT: 10.575 min Scan# 1477
Delta R.T. 0.004 min
Lab File: VN076613.D
Acq: 10 Feb 2023 16:45



Tgt Ion: 98 Resp: 189407
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

