

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080735.D
 Acq On : 22 Jan 2024 13:16
 Operator : JC\MD
 Sample : P1178-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/23/2024
 Supervised By : Mahesh Dadoda 01/23/2024

Quant Time: Jan 23 01:31:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	14687m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130939	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143852	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	67588	28.497	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.000%		
60) 4-Bromofluorobenzene	12.847	95	86051	27.041	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.133%		
63) Toluene-d8	10.565	98	184559	29.234	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.433%		
Target Compounds						
12) Methyl Acetate	5.024	43	12184m	4.305	ug/l	Qvalue
15) Acetone	4.412	58	587074	2029.465	ug/l	83
20) Diisopropyl ether	6.671	45	4988m	0.508	ug/l	
25) Chloroform	7.965	83	16926	3.407	ug/l	93
41) Bromodichloromethane	9.888	83	1778m	0.429	ug/l	
59) 2-Hexanone	11.200	43	20484	7.250	ug/l #	88

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

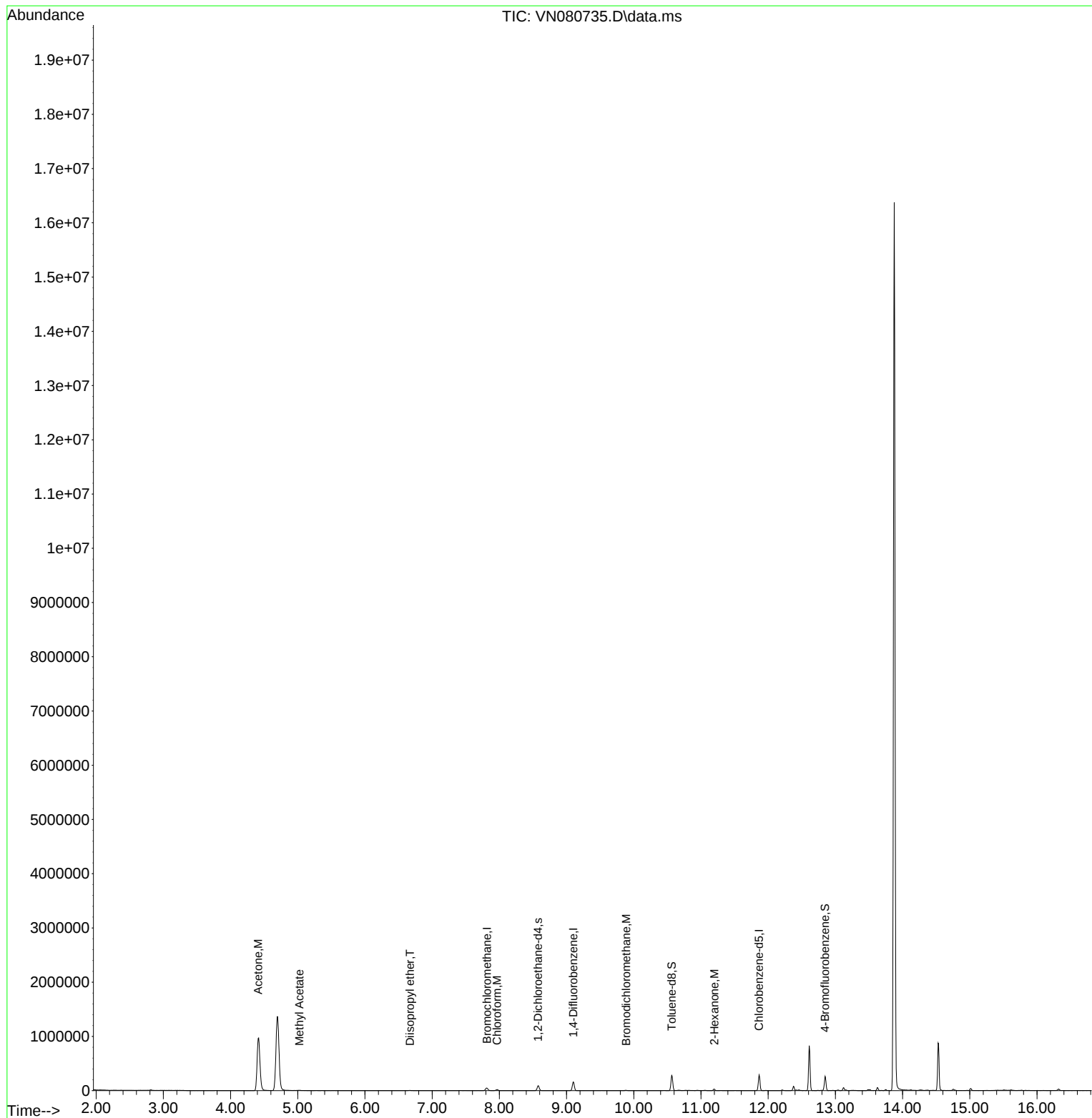
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
Data File : VN080735.D
Acq On : 22 Jan 2024 13:16
Operator : JC\MD
Sample : P1178-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

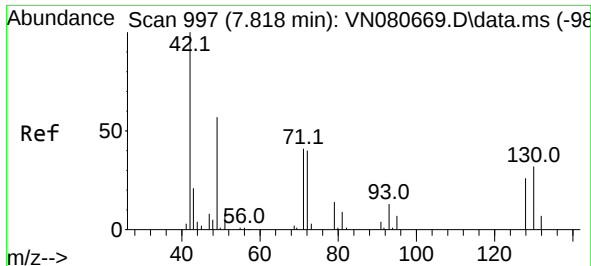
Instrument :
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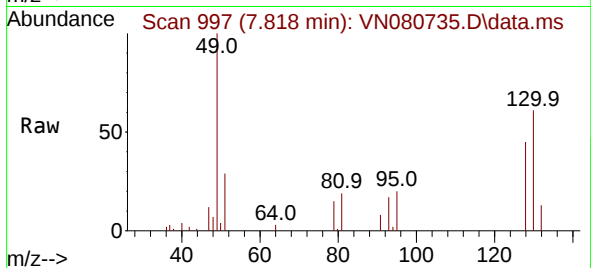
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 12 05:20:11 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

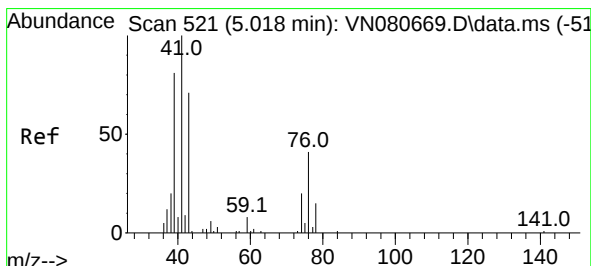
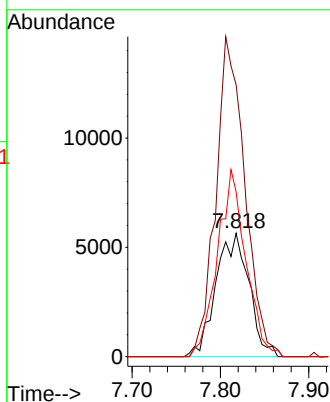
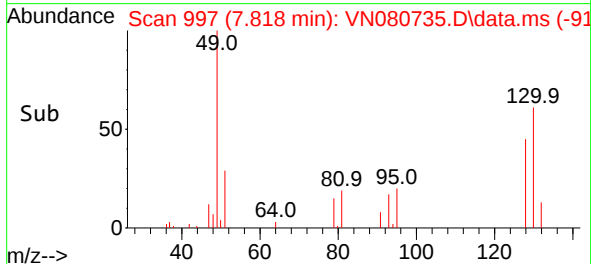
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion:128 Resp: 1468
Ion Ratio Lower Upper
128 100
49 227.6 0.0 403.7
130 130.7 0.0 323.3

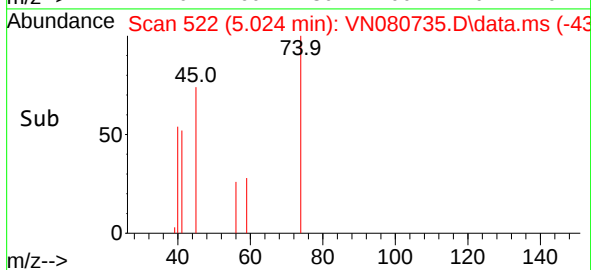
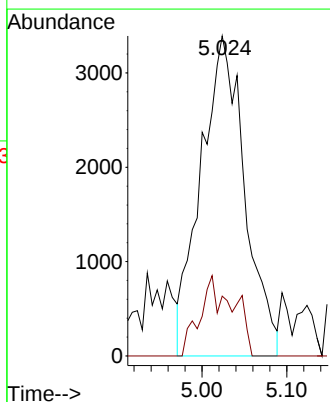
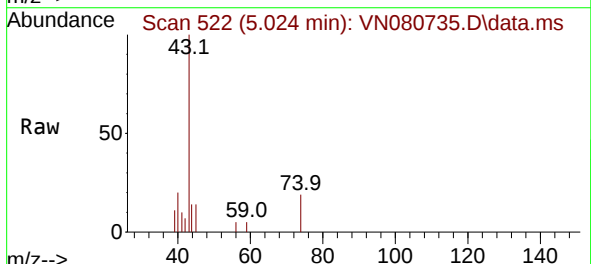
Manual Integrations
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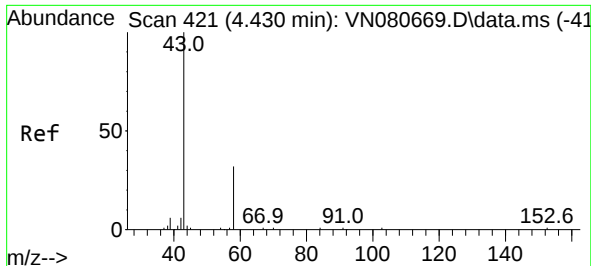
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#12
Methyl Acetate
Concen: 4.305 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

Tgt Ion: 43 Resp: 12184
Ion Ratio Lower Upper
43 100
74 18.7 27.7 41.5#





#15

Acetone

Concen: 2029.465 ug/l

RT: 4.412 min Scan# 41

Delta R.T. -0.018 min

Lab File: VN080735.D

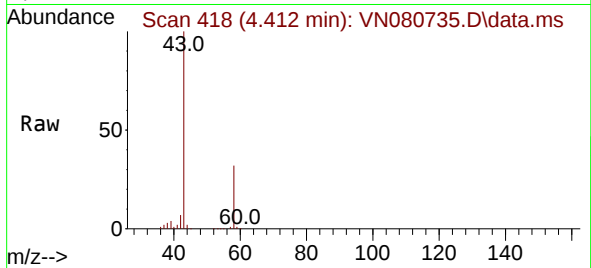
Acq: 22 Jan 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW



Tgt Ion: 58 Resp: 587074

Ion Ratio Lower Upper

58 100

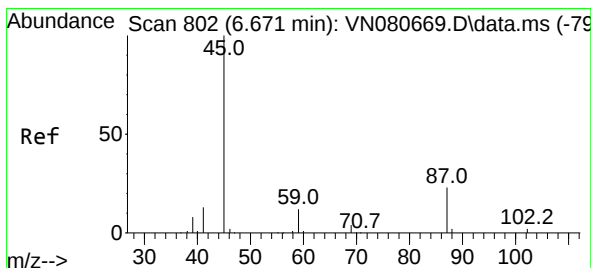
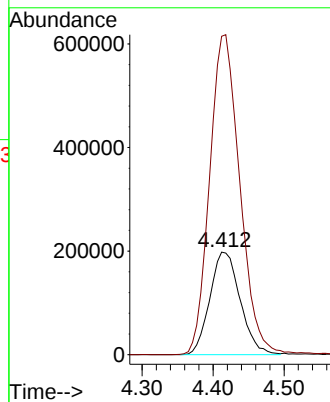
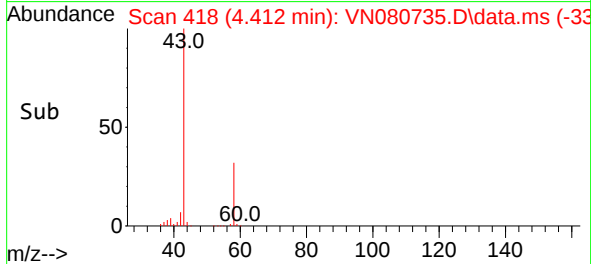
43 310.2 223.1 334.7

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#20

Diisopropyl ether

Concen: 0.508 ug/l m

RT: 6.671 min Scan# 802

Delta R.T. -0.000 min

Lab File: VN080735.D

Acq: 22 Jan 2024 13:16

Tgt Ion: 45 Resp: 4988

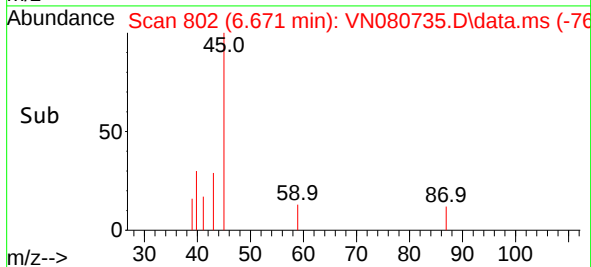
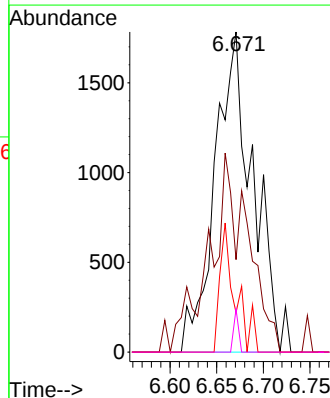
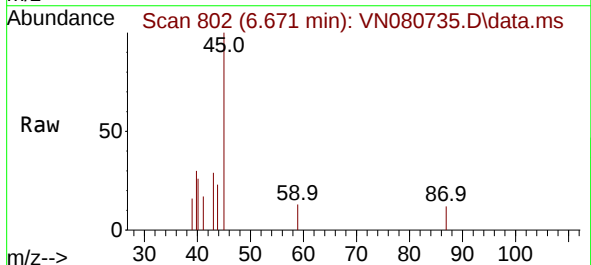
Ion Ratio Lower Upper

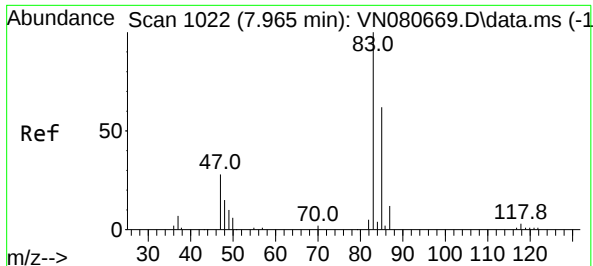
45 100

43 28.9 40.4 60.6#

87 12.3 23.8 35.8#

59 13.4 9.8 14.6





#25

Chloroform

Concen: 3.407 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN080735.D

Acq: 22 Jan 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

Tgt Ion: 83 Resp: 16920

Ion Ratio Lower Upper

83 100

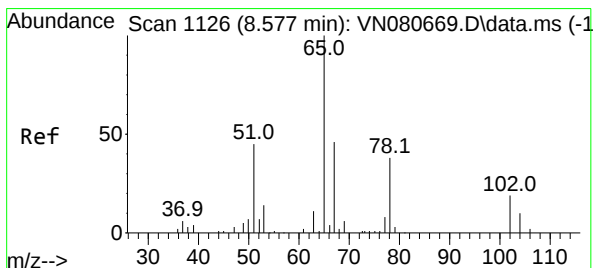
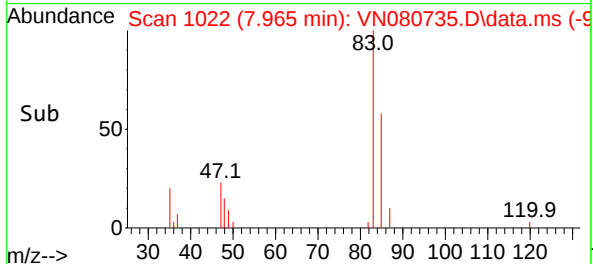
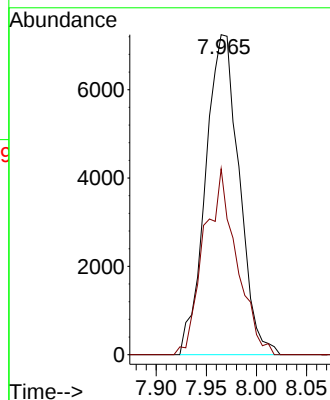
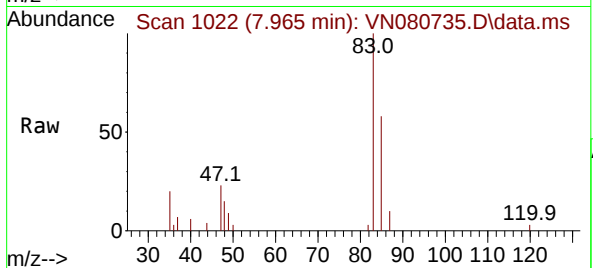
85 58.1 50.9 76.3

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#27

1,2-Dichloroethane-d4

Concen: 28.497 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN080735.D

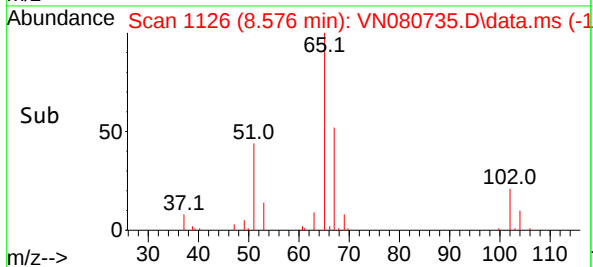
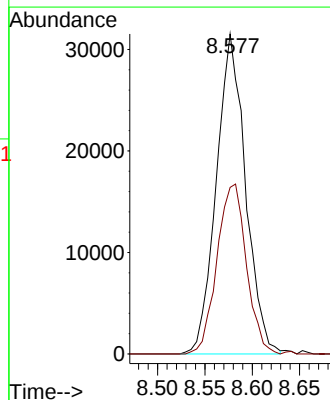
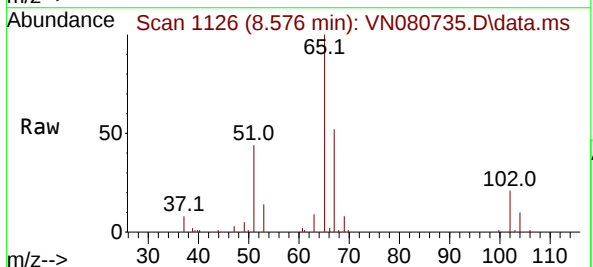
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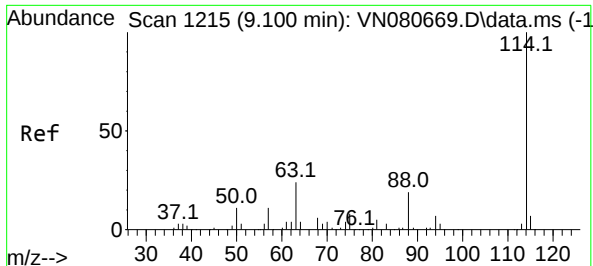
Tgt Ion: 65 Resp: 67588

Ion Ratio Lower Upper

65 100

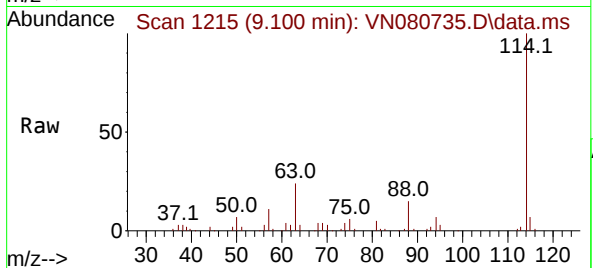
67 53.4 43.2 64.8





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 130939
Delta R.T. 0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

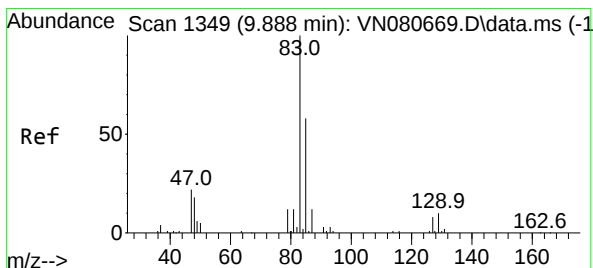
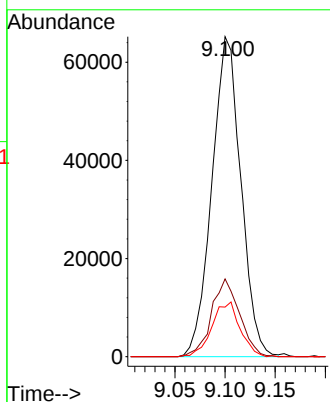
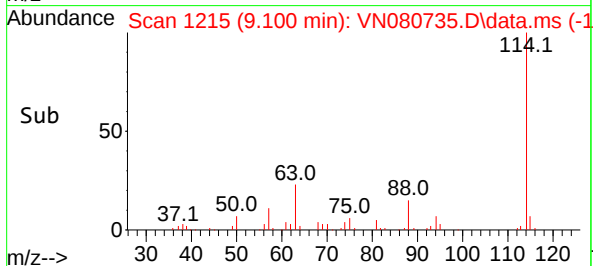
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



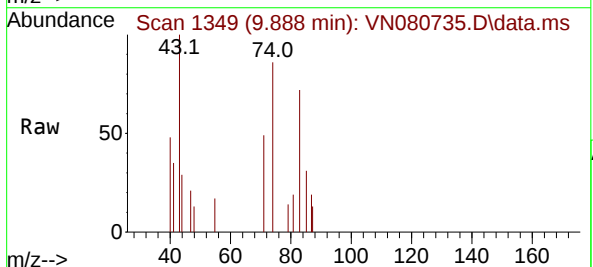
Tgt Ion:114 Resp: 130939
Ion Ratio Lower Upper
114 100
63 23.6 15.9 23.9
88 16.6 12.7 19.1

Manual Integrations
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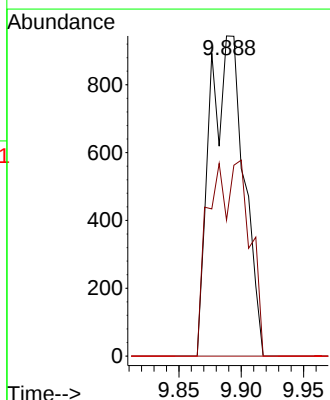
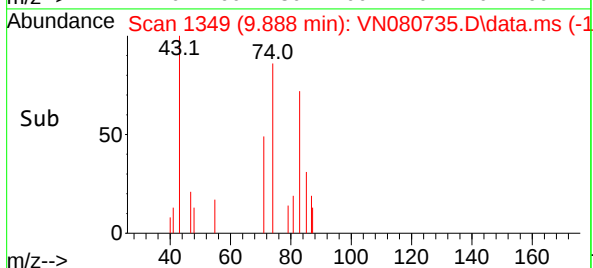
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024

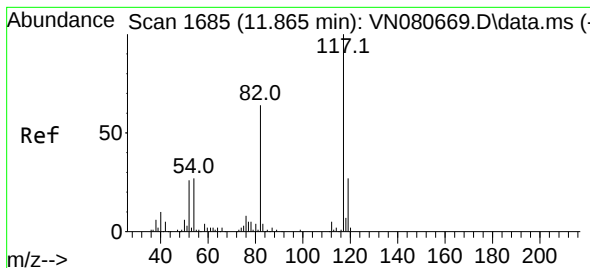


#41
Bromodichloromethane
Concen: 0.429 ug/l m
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16



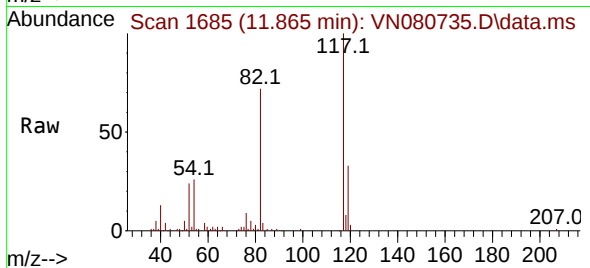
Tgt Ion: 83 Resp: 1778
Ion Ratio Lower Upper
83 100
85 42.5 49.4 74.2#
127 0.0 7.3 10.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

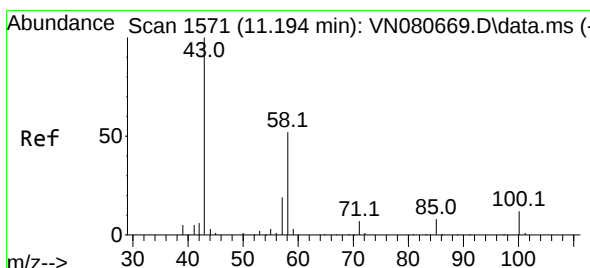
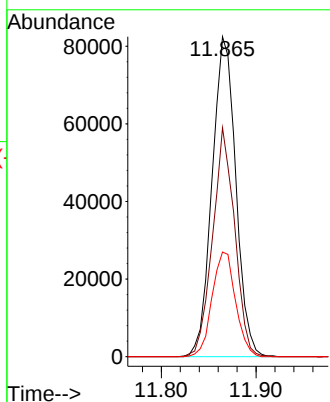
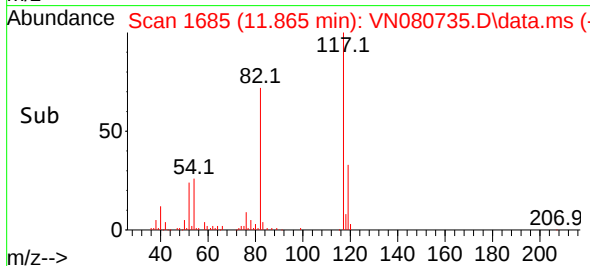
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 117 Resp: 14385
Ion Ratio Lower Upper
117 100
82 66.4 46.6 69.8
119 32.3 25.4 38.2

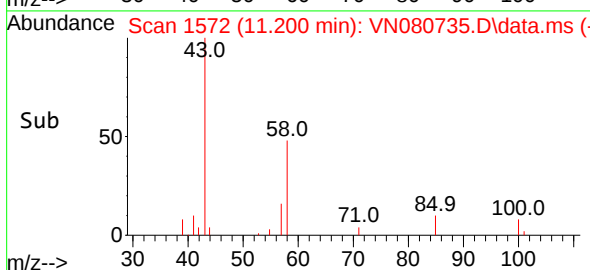
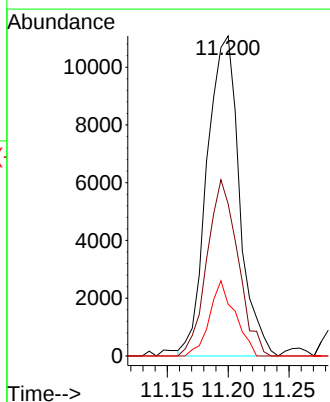
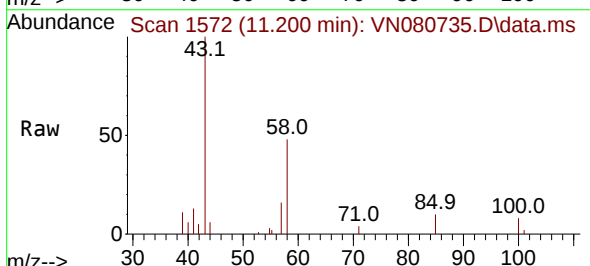
Manual Integrations
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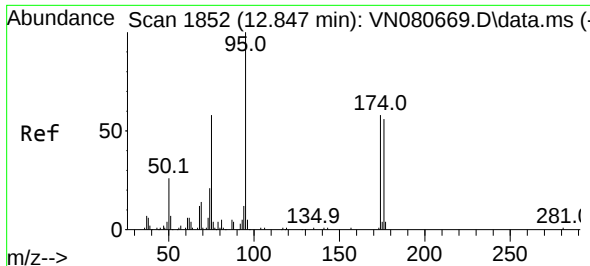
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#59
2-Hexanone
Concen: 7.250 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

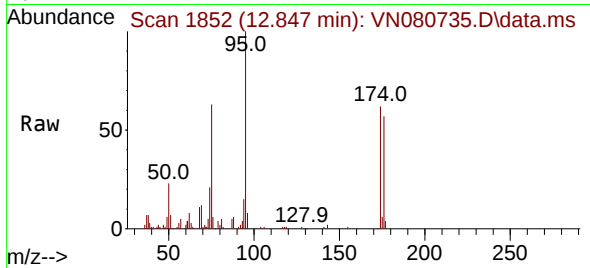
Tgt Ion: 43 Resp: 20484
Ion Ratio Lower Upper
43 100
58 52.5 50.4 75.6
57 18.5 18.6 27.8#





#60
4-Bromofluorobenzene
Concen: 27.041 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

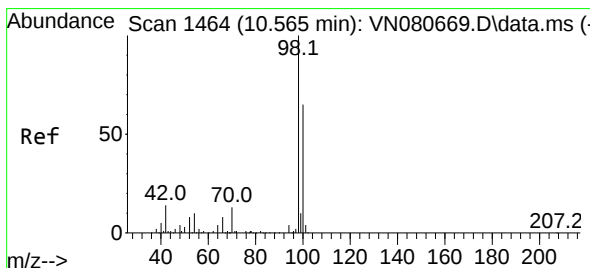
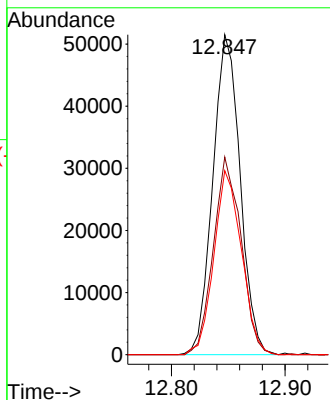
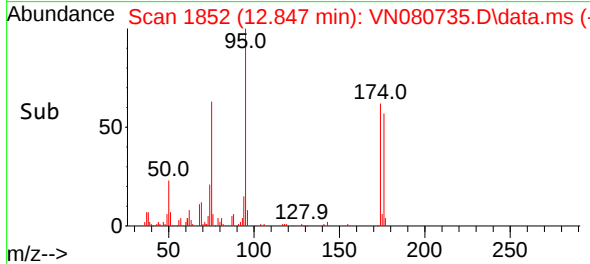
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 95 Resp: 8605
Ion Ratio Lower Upper
95 100
174 62.5 60.5 90.7
176 58.2 57.8 86.6

Manual Integrations
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Supervised By :Mahesh Dadoda 01/23/2024



#63
Toluene-d8
Concen: 29.234 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080735.D
Acq: 22 Jan 2024 13:16

Tgt Ion: 98 Resp: 184559
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1

