

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076615.D
 Acq On : 10 Feb 2023 17:33
 Operator : JC\MD
 Sample : 01500-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(FEB)

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 00:58:35 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	26849	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.110	114	176962	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	195385	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.587	65	82125	25.952	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	86.500%	#	
60) 4-Bromofluorobenzene	12.851	95	109869	24.908	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	83.033%		
63) Toluene-d8	10.569	98	199718	27.839	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	92.800%		
Target Compounds						Qvalue
15) Acetone	4.434	58	174448	327.916	ug/l	80
25) Chloroform	7.969	83	2663m	0.374	ug/l	
30) 2-Butanone	7.498	43	40214	16.265	ug/l	98
58) 4-Methyl-2-Pentanone	10.451	43	9793	1.793	ug/l	98
61) Tetrachloroethene	11.110	164	839	0.336	ug/l #	69
62) Toluene	10.633	91	32221	2.224	ug/l	99
67) m/p-Xylenes	12.069	106	1981	0.332	ug/l	91
80) 1,2,4-Trimethylbenzene	13.492	105	7480	0.516	ug/l	78
82) p-Isopropyltoluene	13.733	119	4117	0.293	ug/l	94
91) Naphthalene	15.639	128	69907	6.482	ug/l	100

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

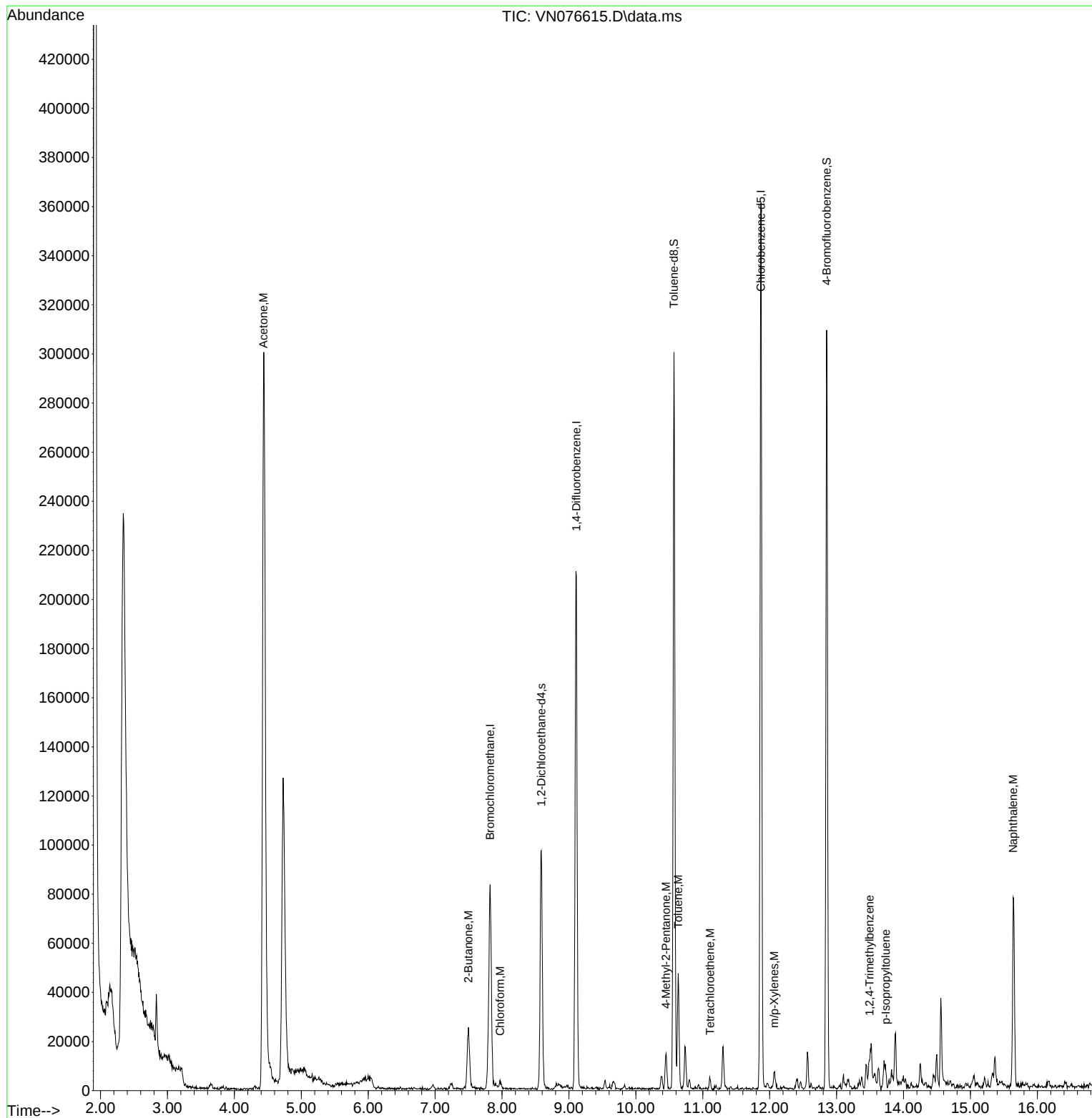
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
Data File : VN076615.D
Acq On : 10 Feb 2023 17:33
Operator : JC\MD
Sample : 01500-02
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ALS Vial : 17 Sample Multiplier: 1

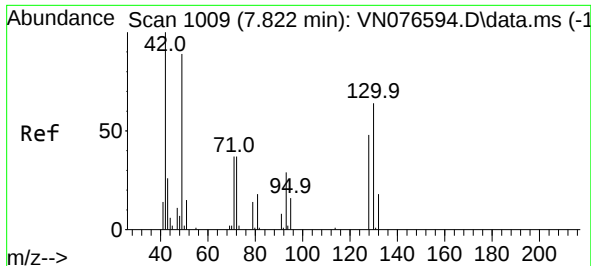
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)

Quant Time: Feb 11 00:58:35 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

Manual Integrations
APPROVED

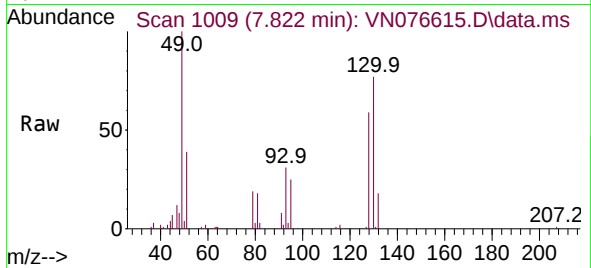
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

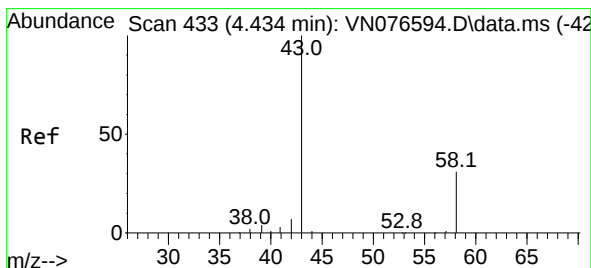
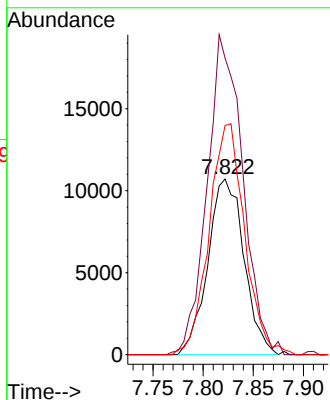
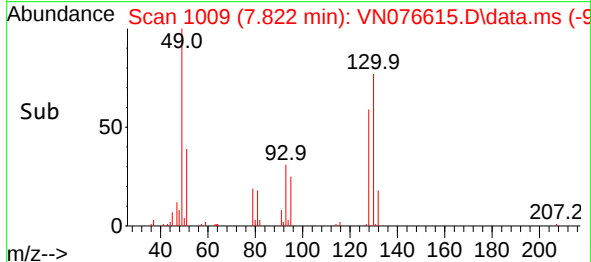
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)



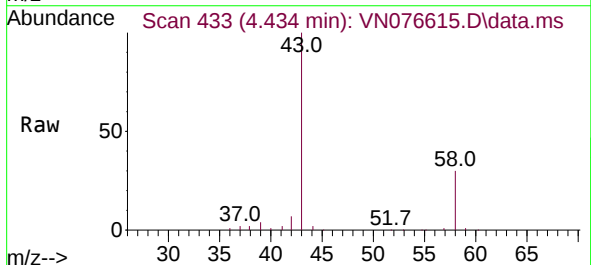
Tgt Ion:128 Resp: 26849
Ion Ratio Lower Upper
128 100
49 179.2 0.0 492.0
130 129.4 0.0 313.3

Manual Integrations
APPROVED

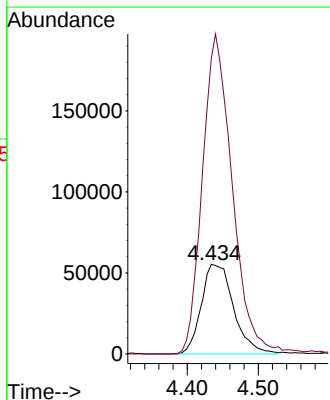
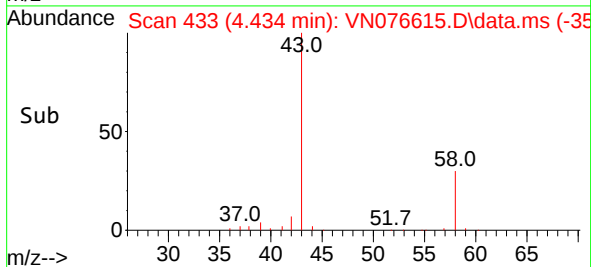
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

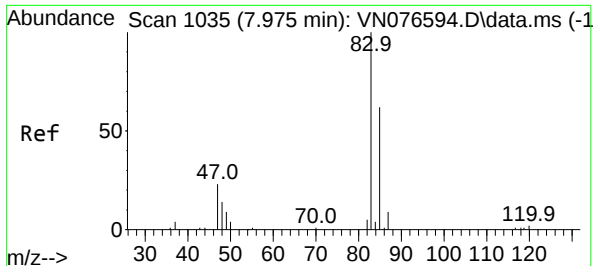


#15
Acetone
Concen: 327.916 ug/l
RT: 4.434 min Scan# 433
Delta R.T. -0.019 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33



Tgt Ion: 58 Resp: 174448
Ion Ratio Lower Upper
58 100
43 329.3 232.2 348.4





#25

Chloroform

Concen: 0.374 ug/l m

RT: 7.969 min Scan# 1034

Delta R.T. -0.008 min

Lab File: VN076615.D

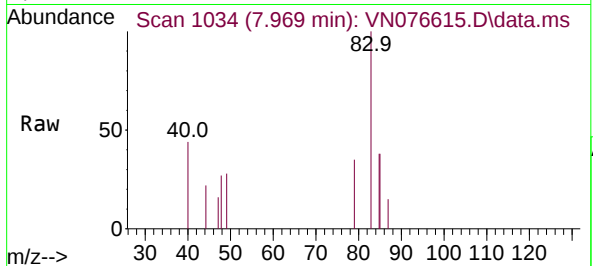
Acq: 10 Feb 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(FEB)



Tgt Ion: 83 Resp: 266

Ion Ratio Lower Upper

83 100

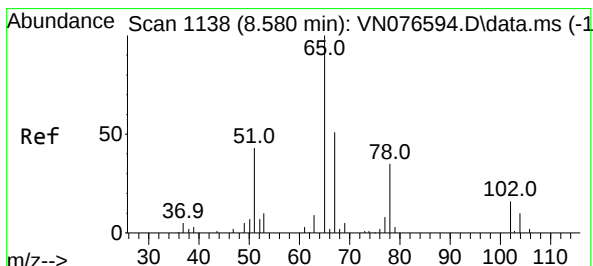
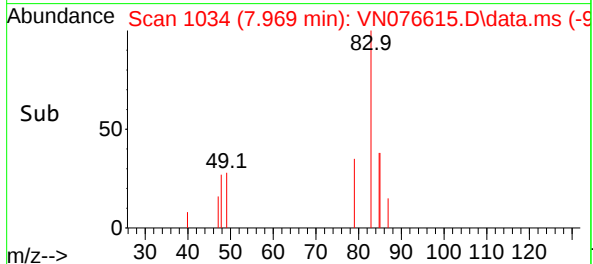
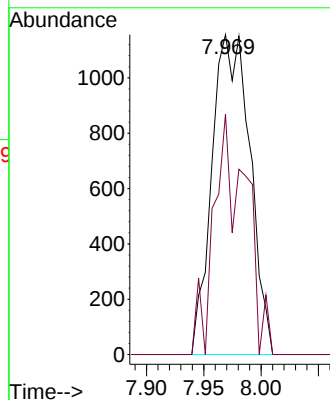
85 37.6 53.6 80.4

Manual Integrations

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Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#27

1,2-Dichloroethane-d4

Concen: 25.952 ug/l

RT: 8.587 min Scan# 1139

Delta R.T. -0.001 min

Lab File: VN076615.D

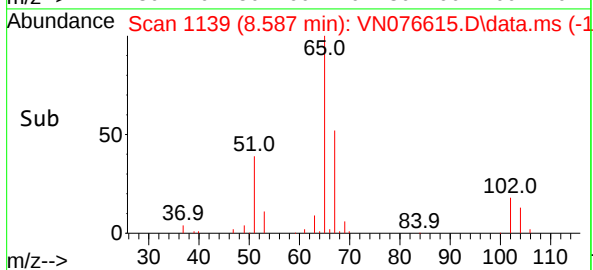
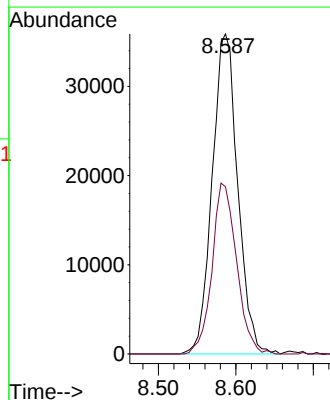
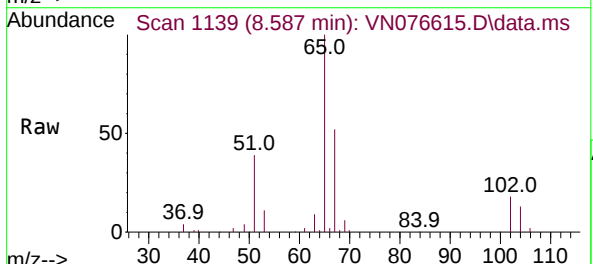
Acq: 10 Feb 2023 17:33

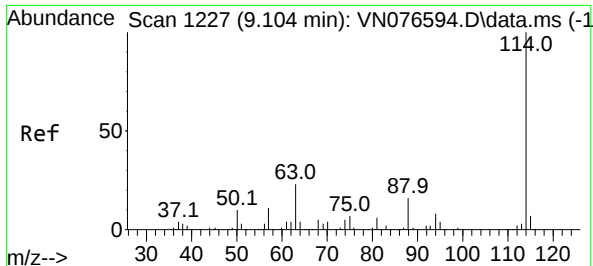
Tgt Ion: 65 Resp: 82125

Ion Ratio Lower Upper

65 100

67 51.0 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.110 min Scan# 114

Delta R.T. 0.004 min

Lab File: VN076615.D

Acq: 10 Feb 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(FEB)

Tgt Ion:114 Resp: 17696

Ion Ratio Lower Upper

114 100

63 22.5 16.6 25.0

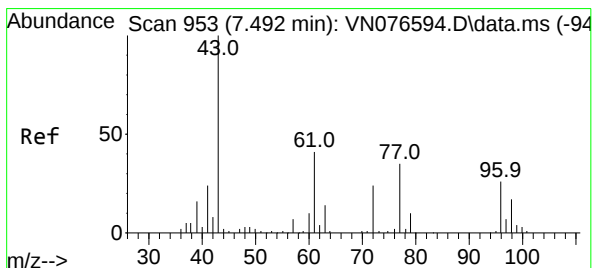
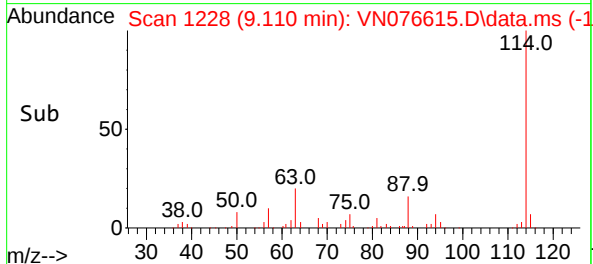
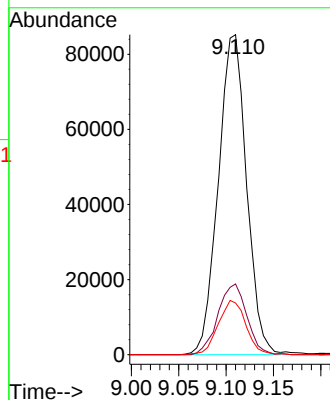
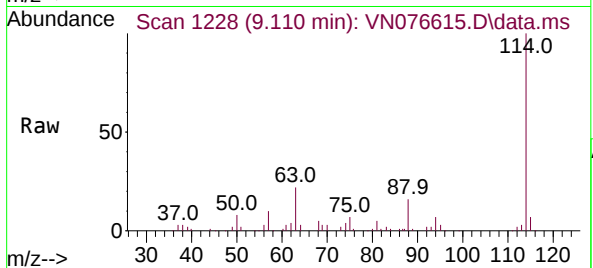
88 16.5 12.2 18.4

Manual Integrations

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Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#30

2-Butanone

Concen: 16.265 ug/l

RT: 7.498 min Scan# 954

Delta R.T. -0.008 min

Lab File: VN076615.D

Acq: 10 Feb 2023 17:33

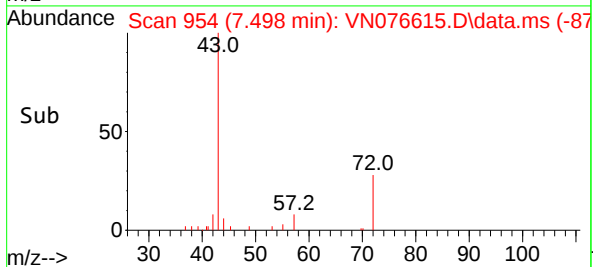
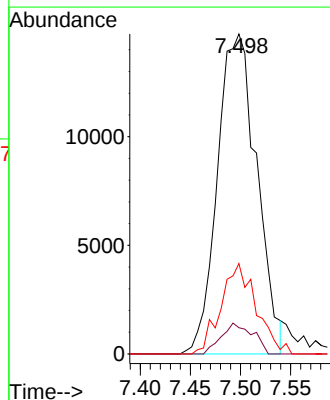
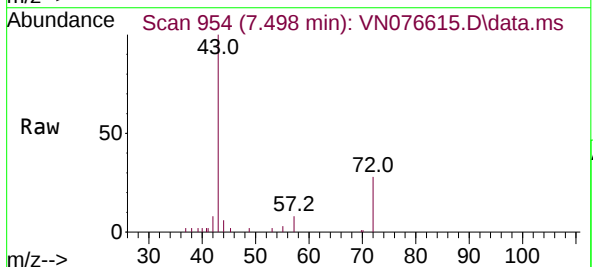
Tgt Ion: 43 Resp: 40214

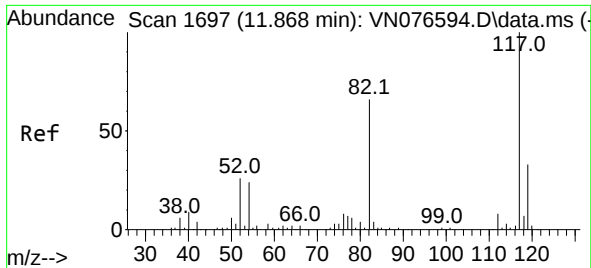
Ion Ratio Lower Upper

43 100

57 7.7 6.3 9.5

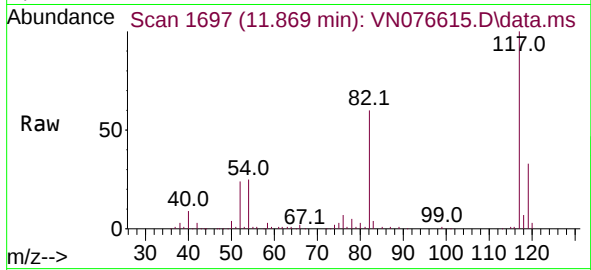
72 25.0 21.0 31.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 117
Delta R.T. -0.002 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

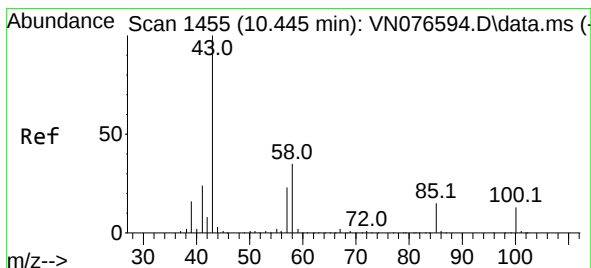
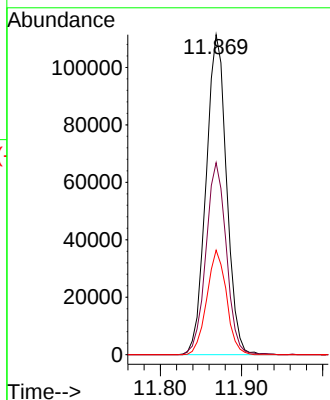
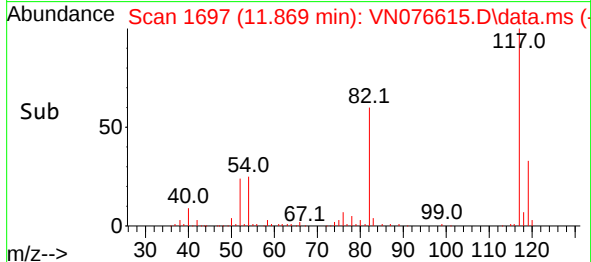
Instrument :
MSVOA_N
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002-35TH-AVE(FEB)



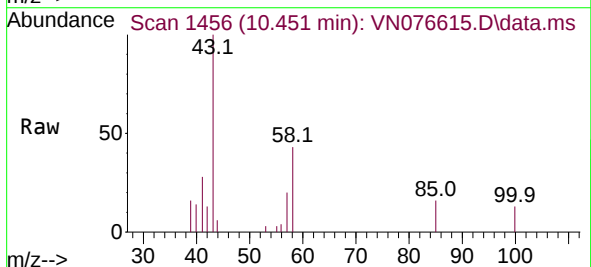
Tgt Ion: 117 Resp: 19538
Ion Ratio Lower Upper
117 100
82 59.4 44.6 67.0
119 31.3 25.6 38.4

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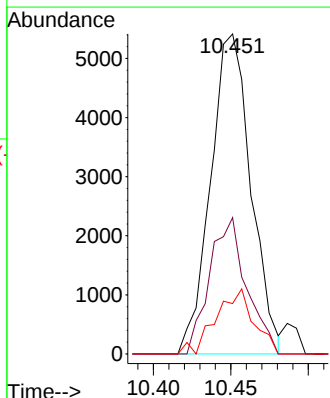
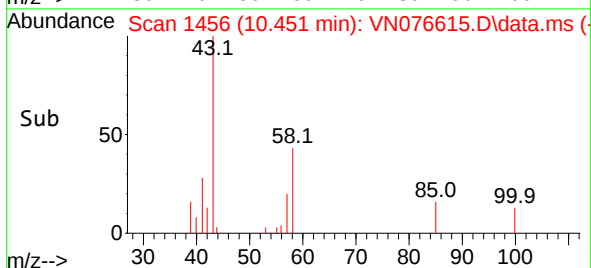
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

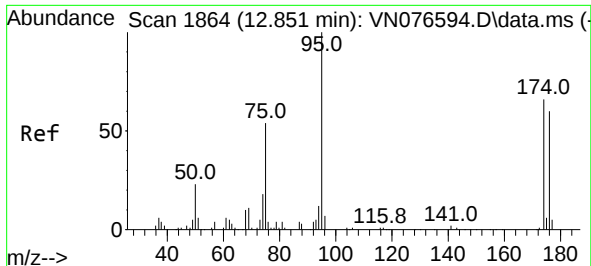


#58
4-Methyl-2-Pentanone
Concen: 1.793 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.004 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33



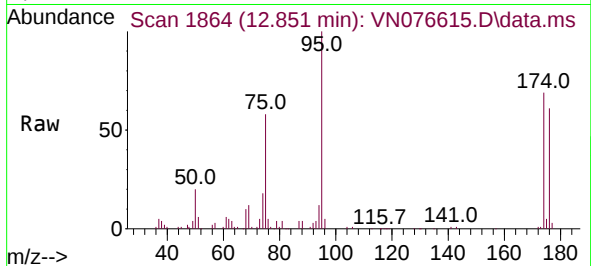
Tgt Ion: 43 Resp: 9793
Ion Ratio Lower Upper
43 100
58 39.1 30.8 46.2
85 18.4 13.3 19.9





#60
4-Bromofluorobenzene
Concen: 24.908 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

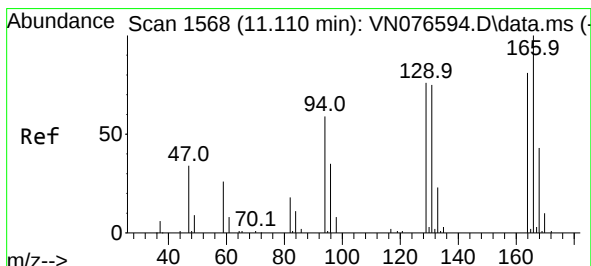
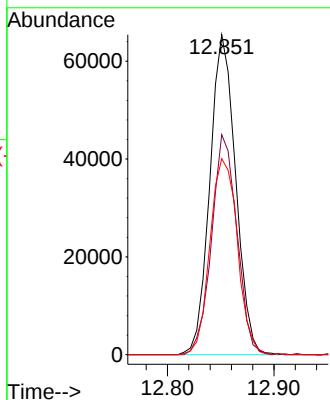
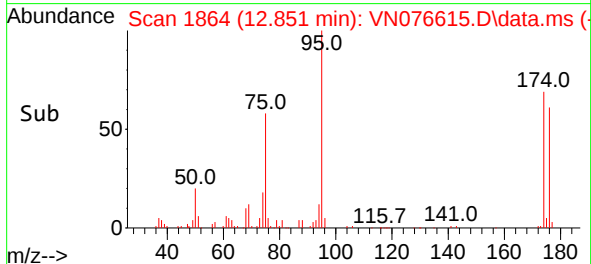
Instrument :
MSVOA_N
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002-35TH-AVE(FEB)



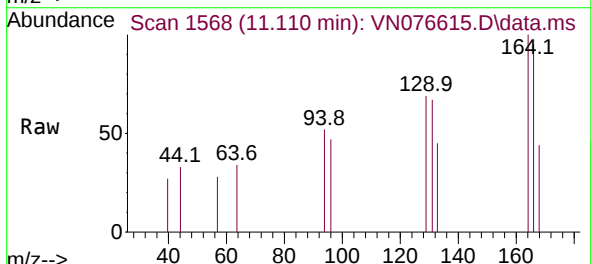
Tgt Ion: 95 Resp: 109869
Ion Ratio Lower Upper
95 100
174 67.5 57.8 86.8
176 65.1 57.0 85.4

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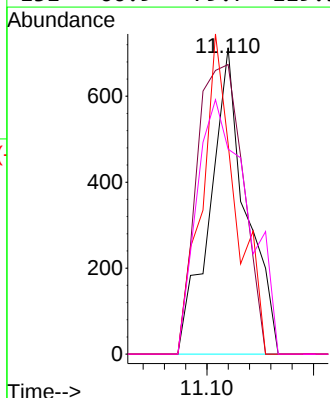
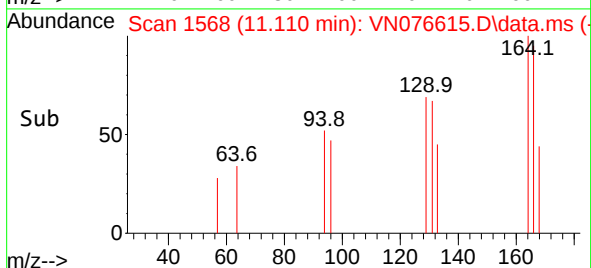
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

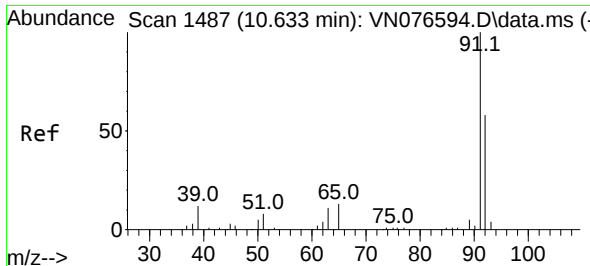


#61
Tetrachloroethene
Concen: 0.336 ug/l
RT: 11.110 min Scan# 1568
Delta R.T. 0.004 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33



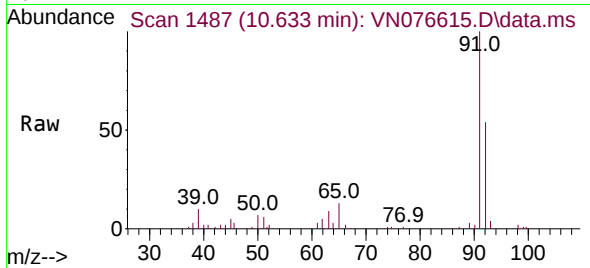
Tgt Ion:164 Resp: 839
Ion Ratio Lower Upper
164 100
166 94.5 99.6 149.4#
129 68.7 84.0 126.0#
131 66.9 79.7 119.5#





#62
Toluene
Concen: 2.224 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

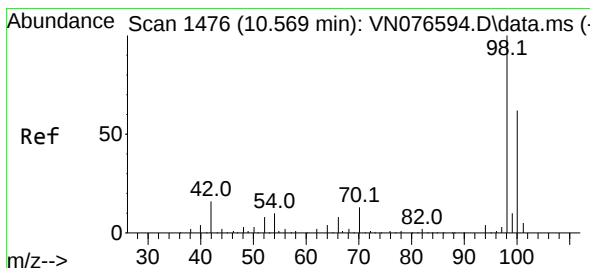
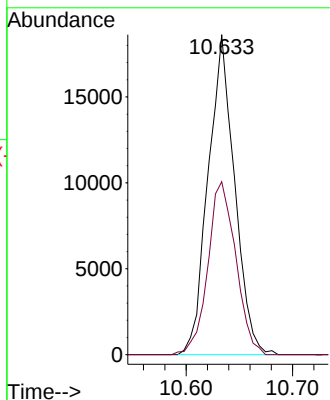
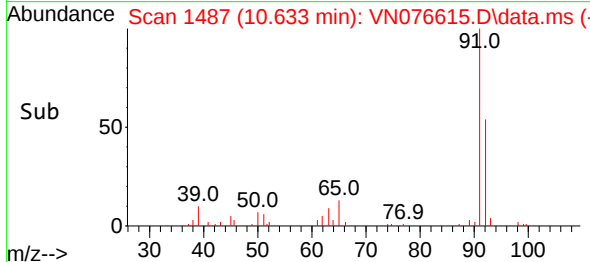
Instrument :
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002-35TH-AVE(FEB)



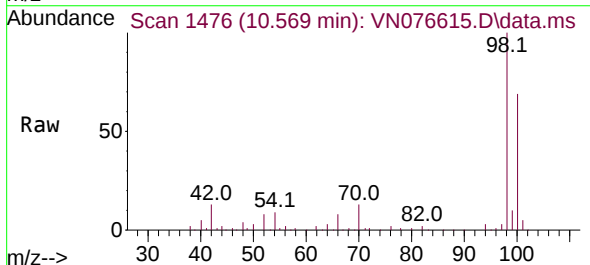
Tgt Ion: 91 Resp: 3222
Ion Ratio Lower Upper
91 100
92 56.8 46.0 69.0

Manual Integrations
APPROVED

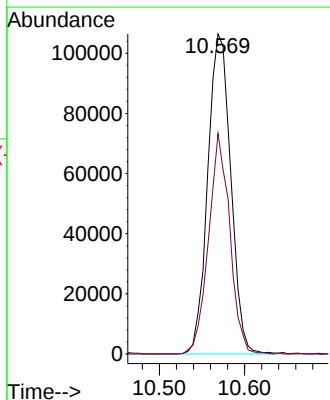
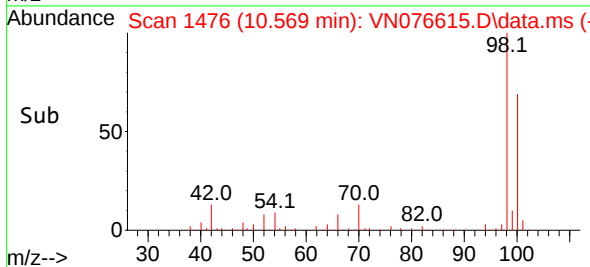
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

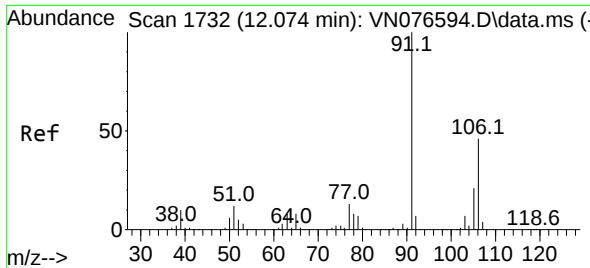


#63
Toluene-d8
Concen: 27.839 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33



Tgt Ion: 98 Resp: 199718
Ion Ratio Lower Upper
98 100
100 63.5 52.7 79.1





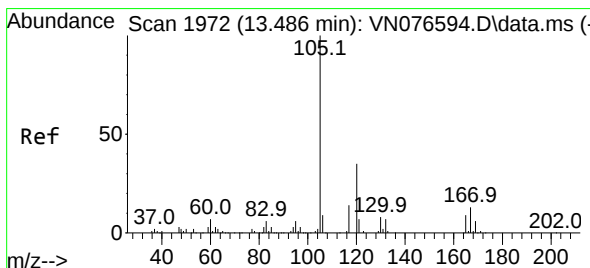
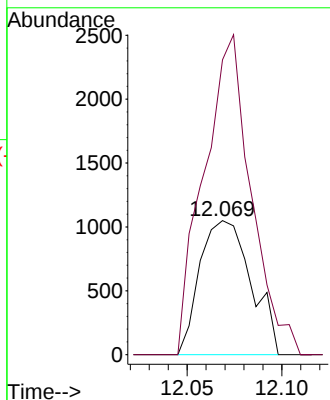
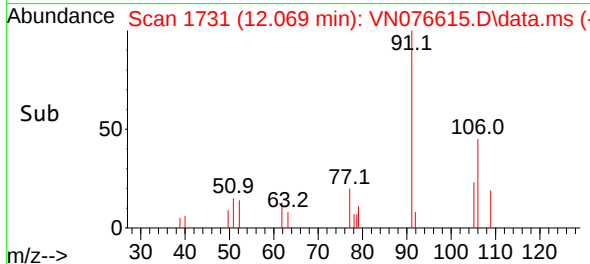
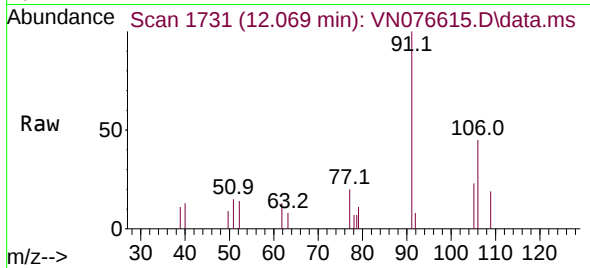
#67
m/p-Xylenes
Concen: 0.332 ug/l
RT: 12.069 min Scan# 1732
Delta R.T. -0.007 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion:106 Resp: 198
Ion Ratio Lower Upper
106 100
91 219.4 164.2 246.4

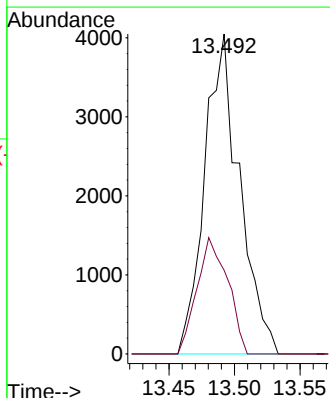
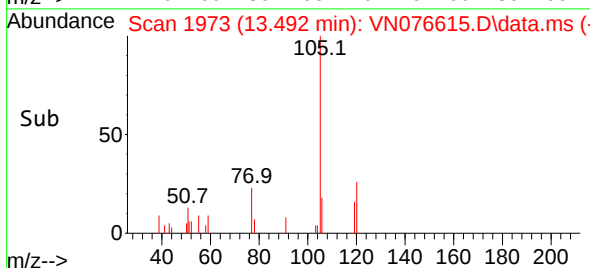
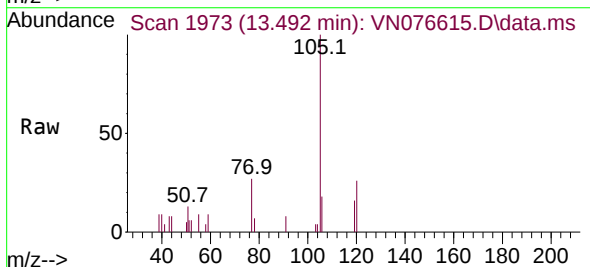
Manual Integrations
APPROVED

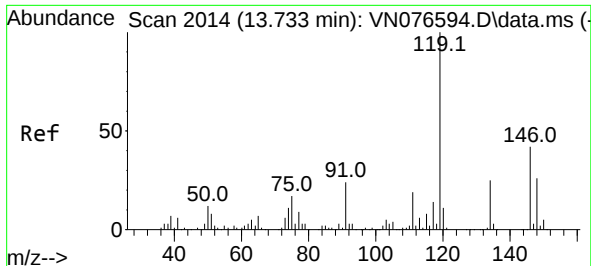
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#80
1,2,4-Trimethylbenzene
Concen: 0.516 ug/l
RT: 13.492 min Scan# 1973
Delta R.T. 0.010 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

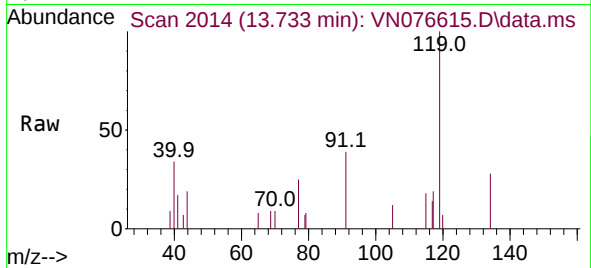
Tgt Ion:105 Resp: 7480
Ion Ratio Lower Upper
105 100
120 32.1 0.0 93.2





#82
p-Isopropyltoluene
Concen: 0.293 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. 0.004 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

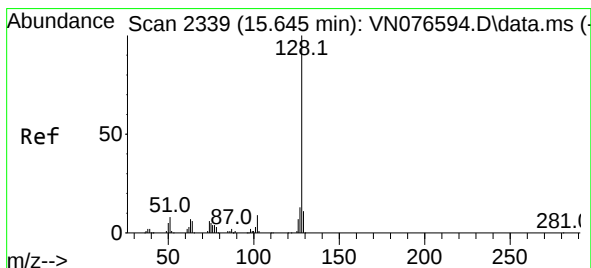
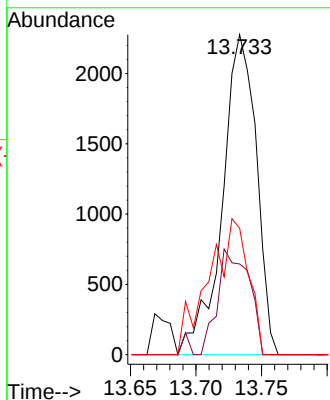
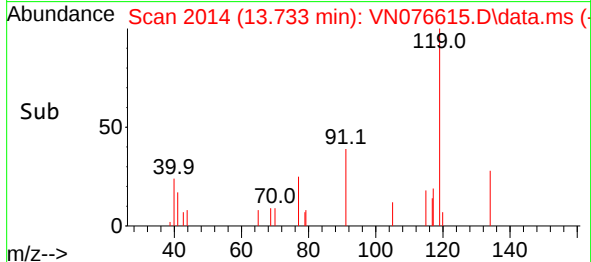
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)



Tgt Ion:119 Resp: 411
Ion Ratio Lower Upper
119 100
134 30.3 0.0 51.4
91 24.8 0.0 46.8

Manual Integrations
APPROVED

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



#91
Naphthalene
Concen: 6.482 ug/l
RT: 15.639 min Scan# 2338
Delta R.T. -0.002 min
Lab File: VN076615.D
Acq: 10 Feb 2023 17:33

Tgt Ion:128 Resp: 69907
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.9 8.9 13.3

