

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076902.D
 Acq On : 09 Mar 2023 14:52
 Operator : JC\MD
 Sample : 01774-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 01:32:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	38144	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	261142	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.866	117	292600	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	112542	32.100	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	107.000%		
60) 4-Bromofluorobenzene	12.854	95	155130	28.013	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.367%		
63) Toluene-d8	10.572	98	295913	28.753	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.833%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.048	43	20129m	2.928	ug/l	
15) Acetone	4.437	58	972704	1578.473	ug/l	88
25) Chloroform	7.972	83	6695	0.774	ug/l	# 78
30) 2-Butanone	7.489	43	115093	41.013	ug/l	95
58) 4-Methyl-2-Pentanone	10.448	43	29028	4.911	ug/l	# 55
61) Tetrachloroethene	11.107	164	7873	1.704	ug/l	95
62) Toluene	10.630	91	49463	2.453	ug/l	99
67) m/p-Xylenes	12.072	106	3524	0.425	ug/l	84
68) o-Xylene	12.401	106	1843	0.228	ug/l	93
69) Styrene	12.413	104	3117	0.237	ug/l	# 78
80) 1,2,4-Trimethylbenzene	13.489	105	9647	0.538	ug/l	72
82) p-Isopropyltoluene	13.736	119	10287	0.584	ug/l	90
91) Naphthalene	15.642	128	24843	1.674	ug/l	# 91

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

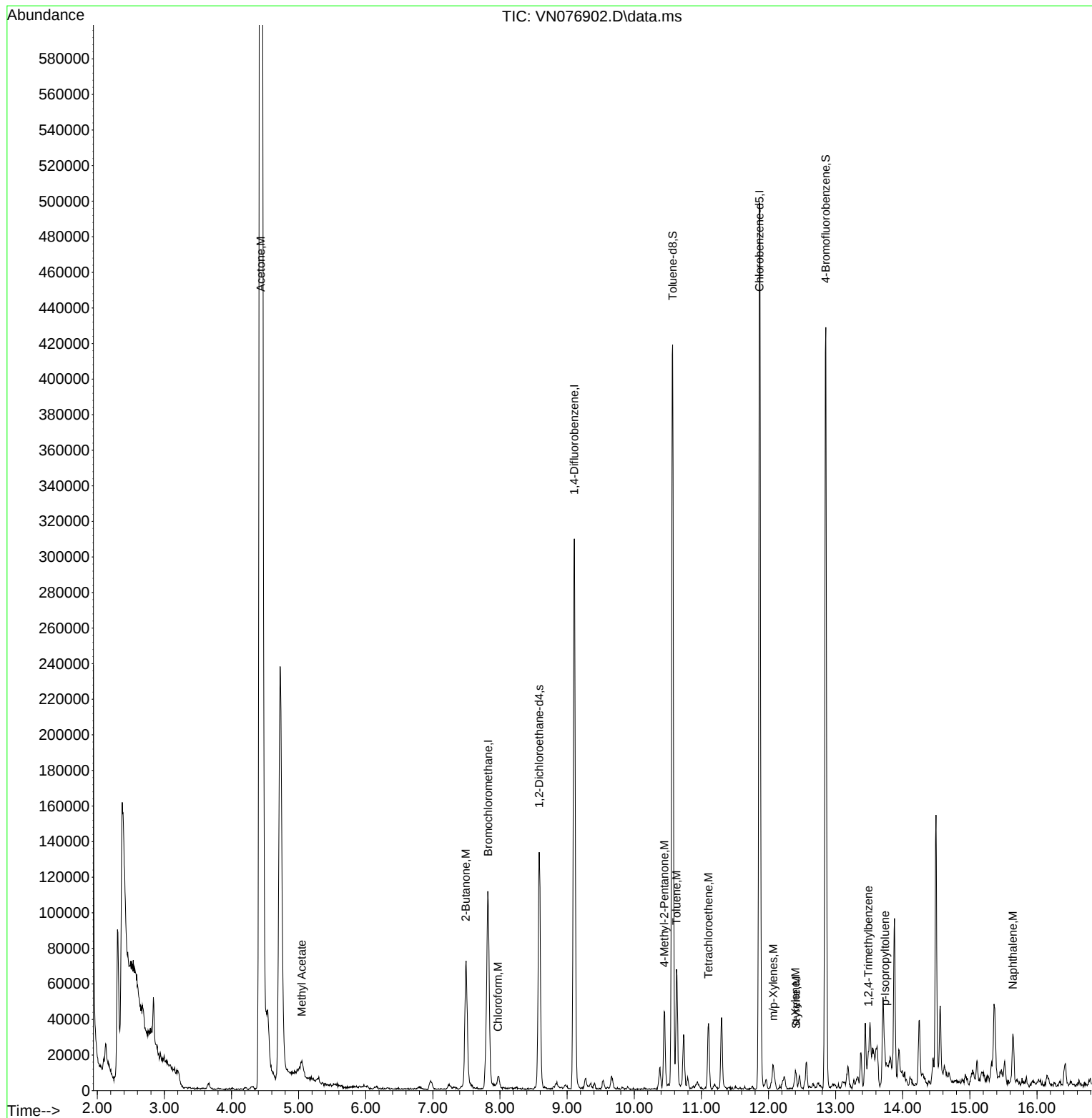
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
Data File : VN076902.D
Acq On : 09 Mar 2023 14:52
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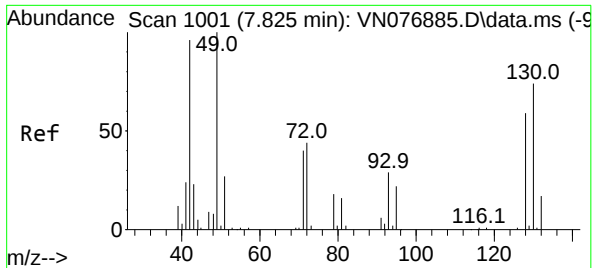
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

Quant Time: Mar 10 01:32:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 09 04:16:54 2023
Response via : Initial Calibration

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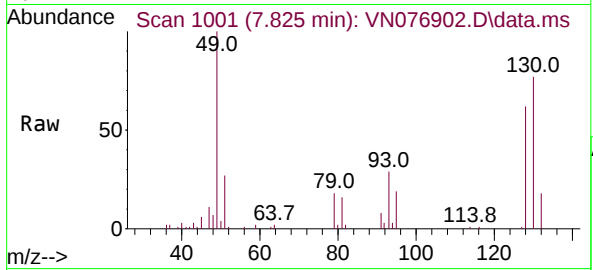
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

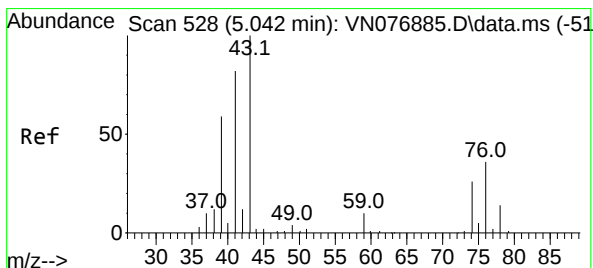
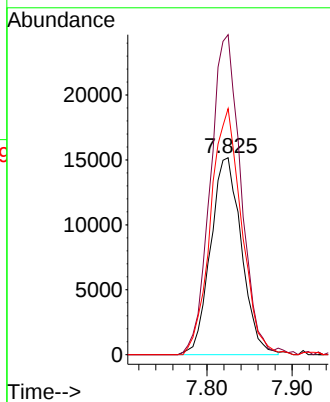
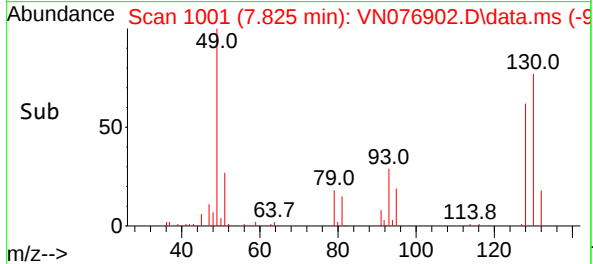
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)



Tgt Ion:128 Resp: 38144
Ion Ratio Lower Upper
128 100
49 160.0 0.0 461.8
130 125.4 0.0 295.3

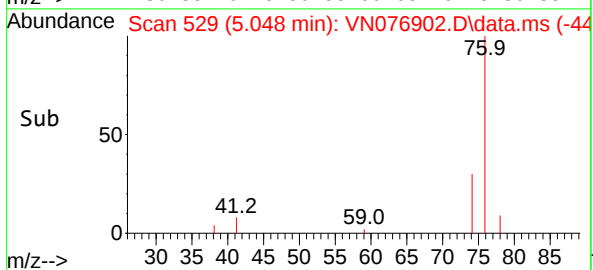
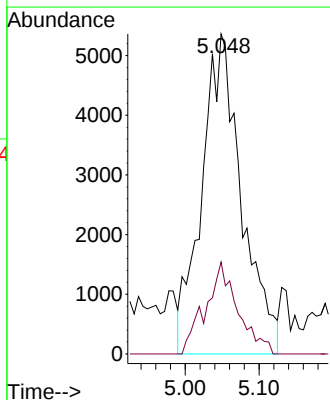
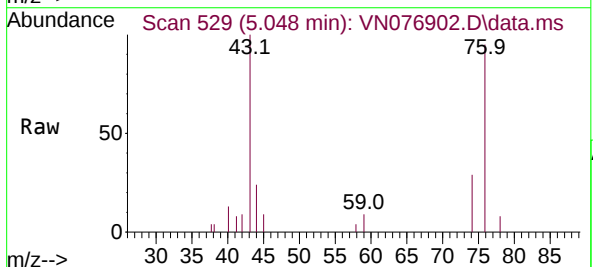
Manual Integrations
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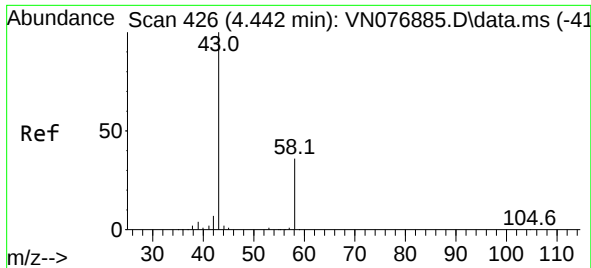
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#12
Methyl Acetate
Concen: 2.928 ug/l m
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

Tgt Ion: 43 Resp: 20129
Ion Ratio Lower Upper
43 100
74 28.7 19.0 28.4#





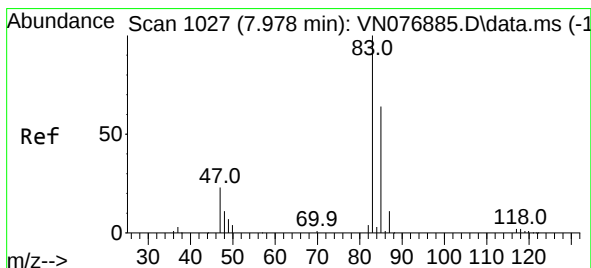
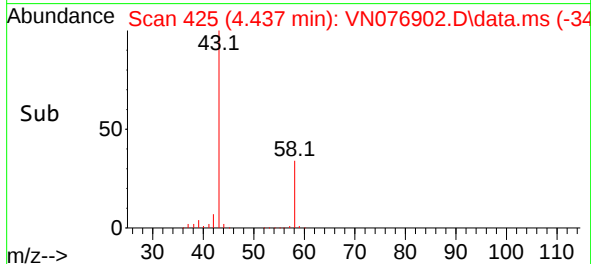
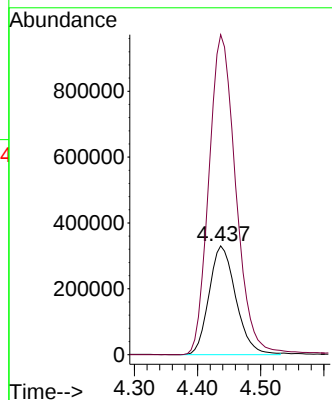
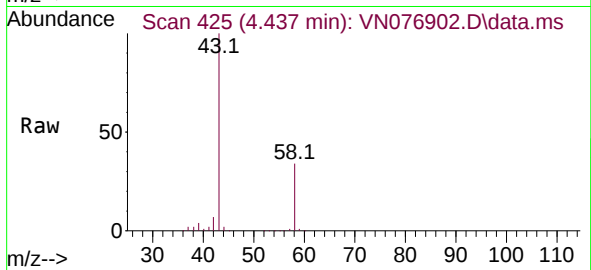
#15
Acetone
Concen: 1578.473 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

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

Tgt Ion: 58 Resp: 972704
Ion Ratio Lower Upper
58 100
43 293.9 255.4 383.0

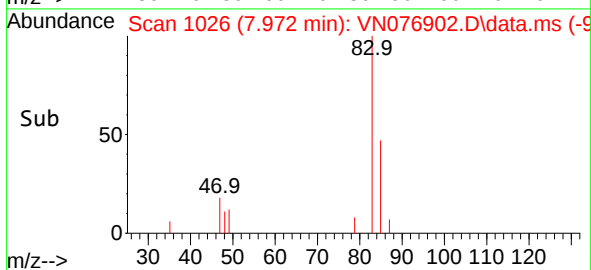
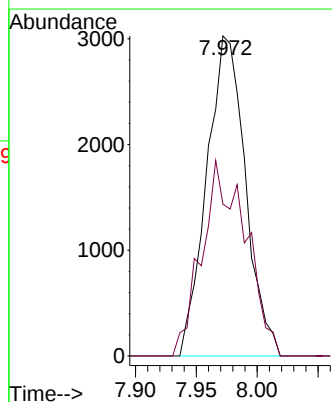
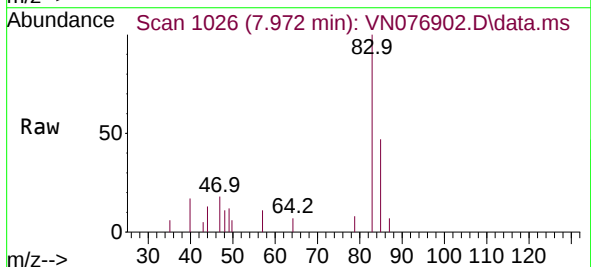
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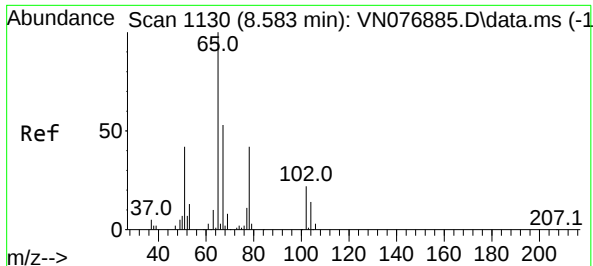
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#25
Chloroform
Concen: 0.774 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

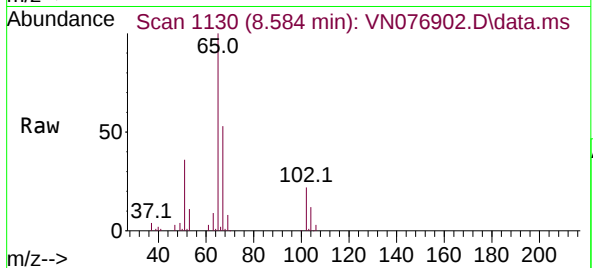
Tgt Ion: 83 Resp: 6695
Ion Ratio Lower Upper
83 100
85 47.5 51.8 77.6#





#27
1,2-Dichloroethane-d4
Concen: 32.100 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

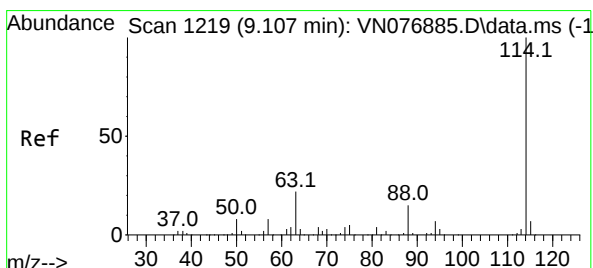
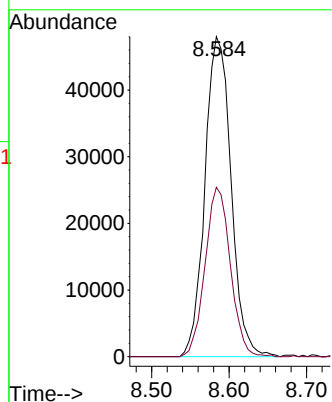
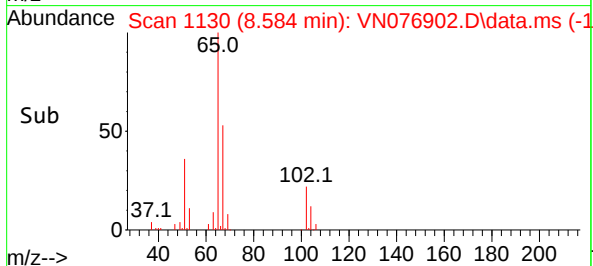
Instrument :
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ClientSampleId :
002-35TH-AVE(MAR)



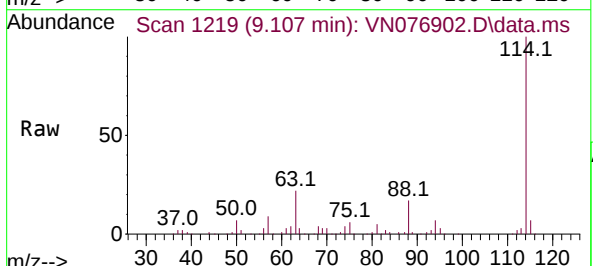
Tgt Ion: 65 Resp: 11254
Ion Ratio Lower Upper
65 100
67 51.1 40.9 61.3

Manual Integrations
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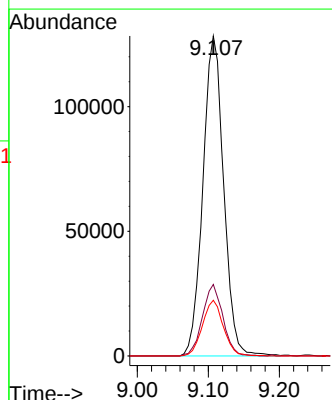
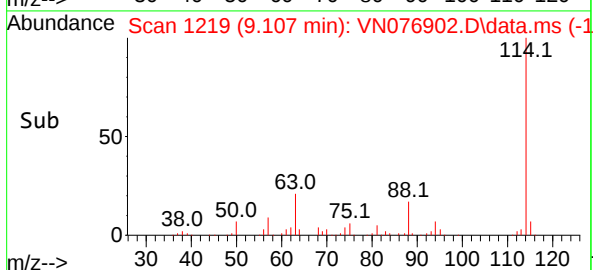
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

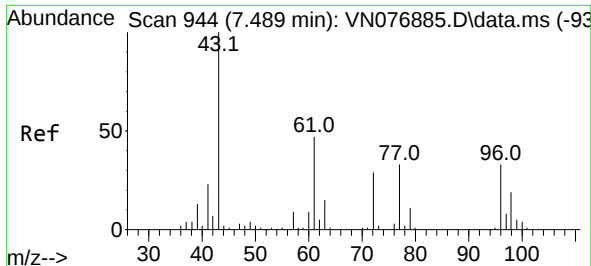


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52



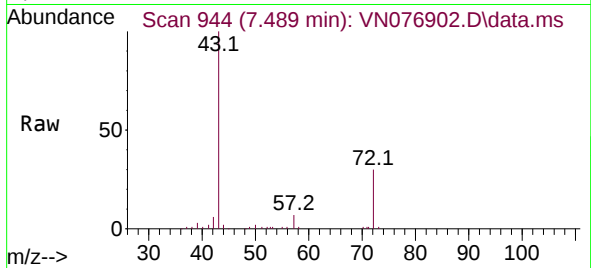
Tgt Ion:114 Resp: 261142
Ion Ratio Lower Upper
114 100
63 22.0 17.0 25.4
88 17.5 11.6 17.4#





#30
2-Butanone
Concen: 41.013 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

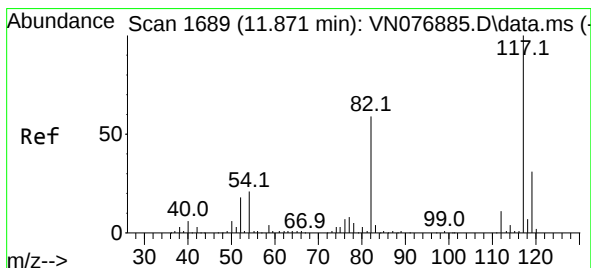
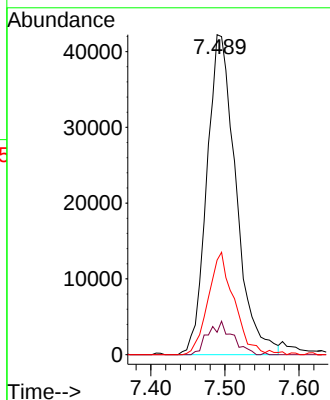
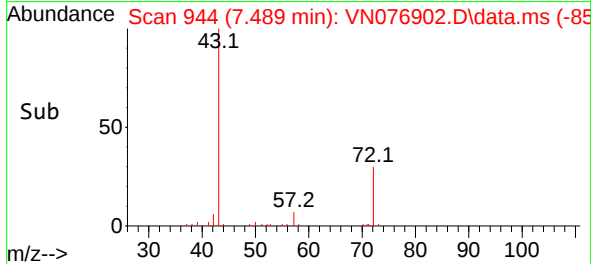
Instrument :
MSVOA_N
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002-35TH-AVE(MAR)



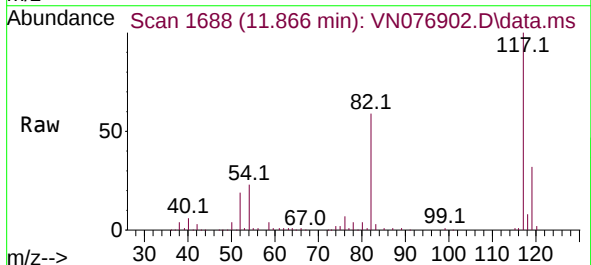
Tgt Ion: 43 Resp: 11509
Ion Ratio Lower Upper
43 100
57 6.1 6.1 9.1
72 27.8 20.2 30.4

Manual Integrations
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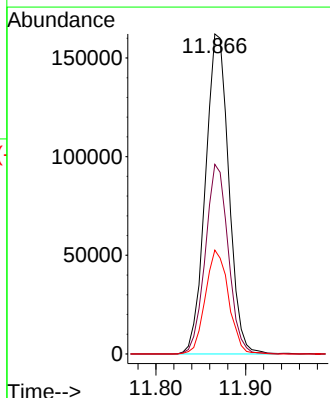
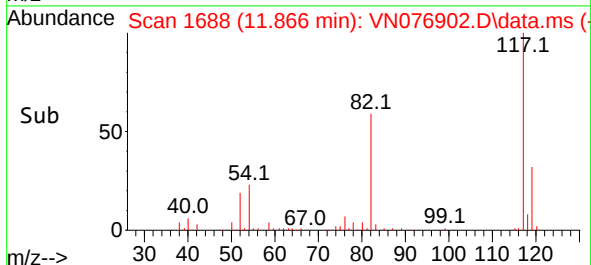
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

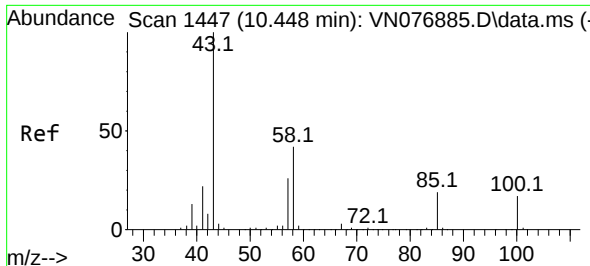


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52



Tgt Ion:117 Resp: 292600
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.0
119 32.3 26.8 40.2





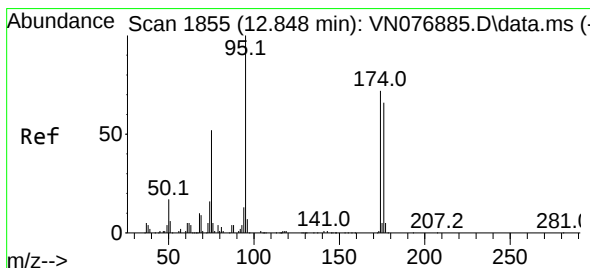
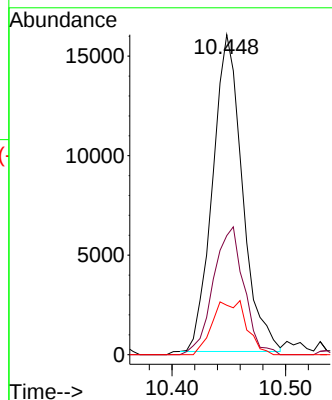
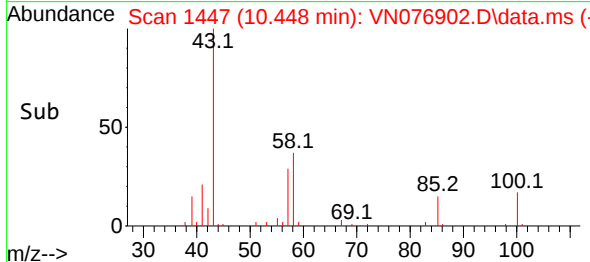
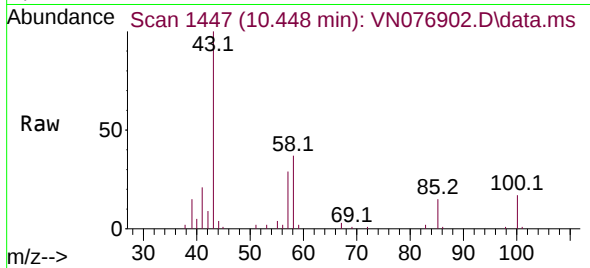
#58
4-Methyl-2-Pentanone
Concen: 4.911 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

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

Tgt Ion: 43 Resp: 29028
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8
85 12.7 11.8 17.8

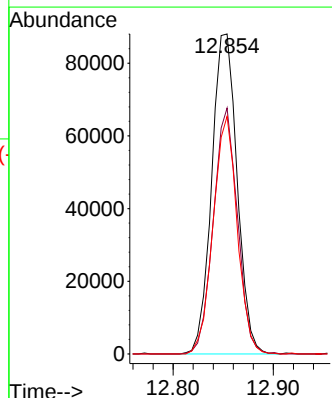
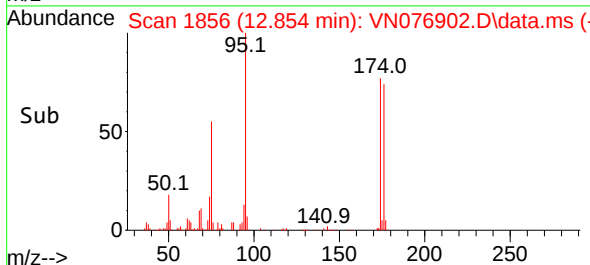
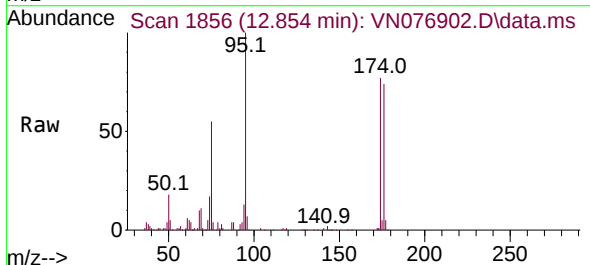
Manual Integrations
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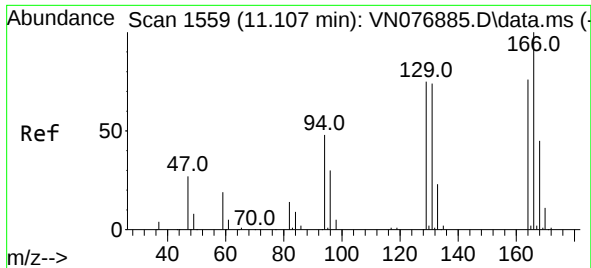
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#60
4-Bromofluorobenzene
Concen: 28.013 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

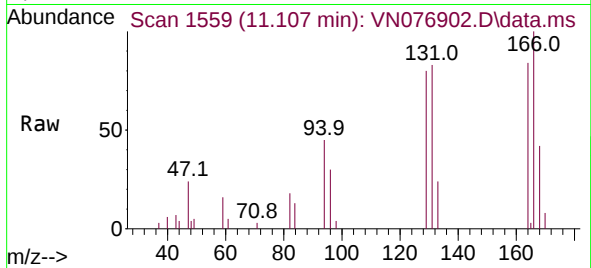
Tgt Ion: 95 Resp: 155130
Ion Ratio Lower Upper
95 100
174 72.8 64.2 96.4
176 70.2 61.4 92.0





#61
Tetrachloroethene
Concen: 1.704 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

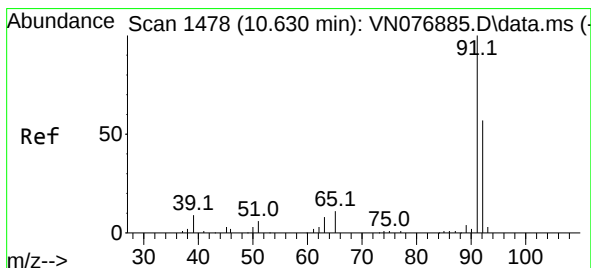
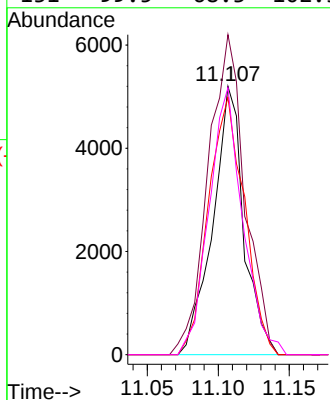
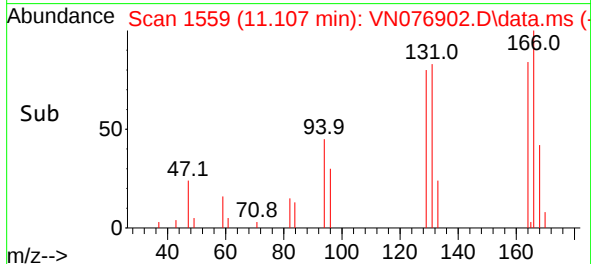
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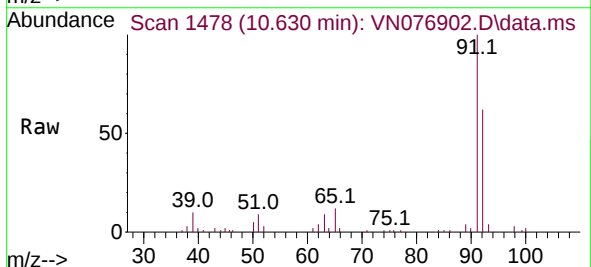
Tgt Ion:164 Resp: 787.0
Ion Ratio Lower Upper
164 100
166 119.2 96.2 144.2
129 95.9 78.2 117.4
131 99.5 68.3 102.5

Manual Integrations
APPROVED

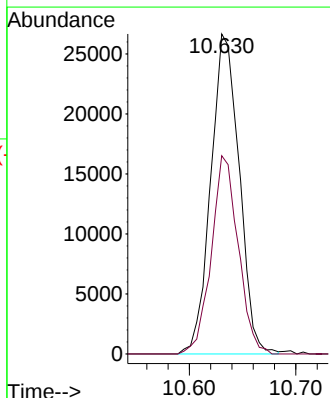
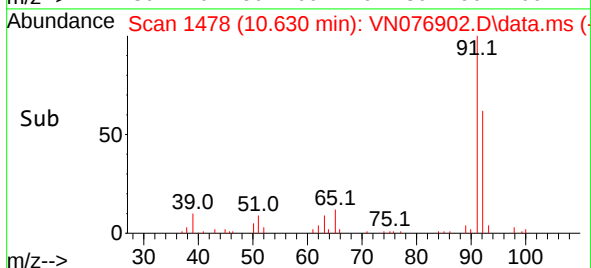
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

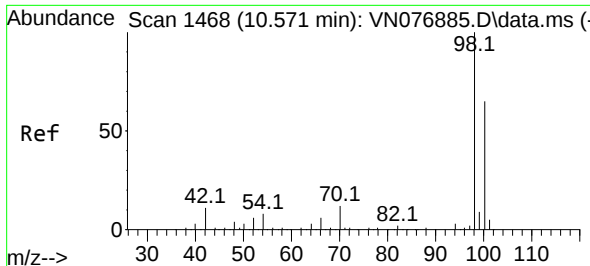


#62
Toluene
Concen: 2.453 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52



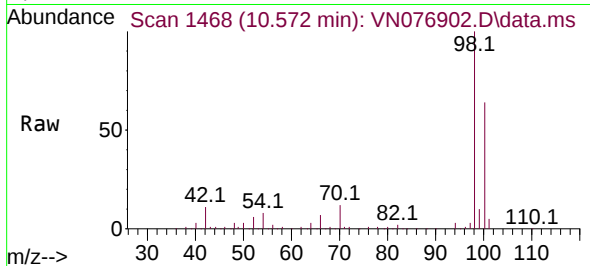
Tgt Ion: 91 Resp: 49463
Ion Ratio Lower Upper
91 100
92 58.5 46.3 69.5





#63
Toluene-d8
Concen: 28.753 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

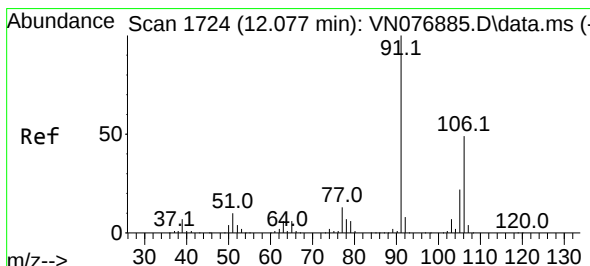
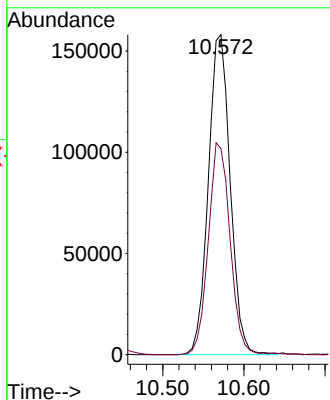
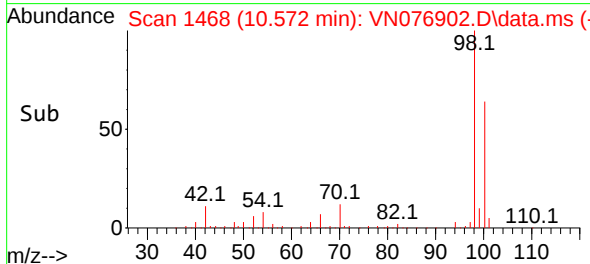
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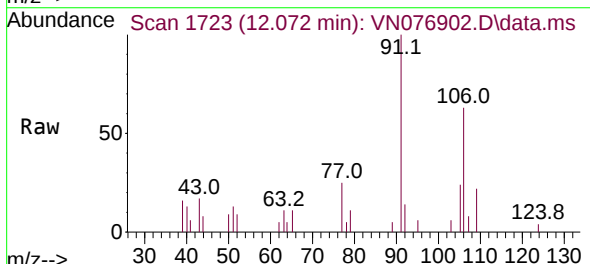
Tgt Ion: 98 Resp: 29591
Ion Ratio Lower Upper
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100 65.8 53.8 80.6

Manual Integrations
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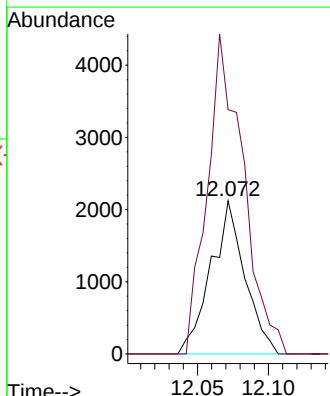
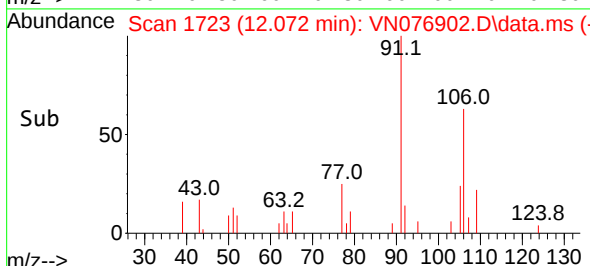
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

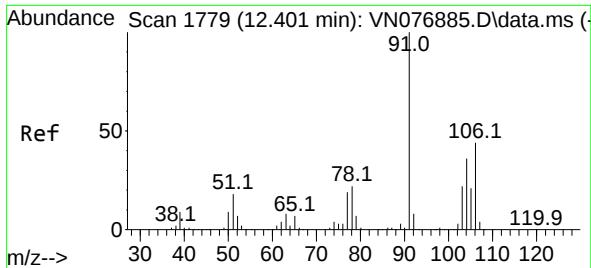


#67
m/p-Xylenes
Concen: 0.425 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.001 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52



Tgt Ion:106 Resp: 3524
Ion Ratio Lower Upper
106 100
91 221.1 157.4 236.2





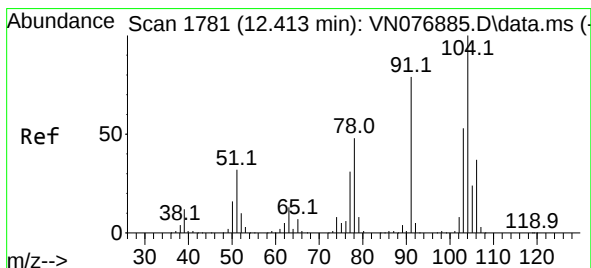
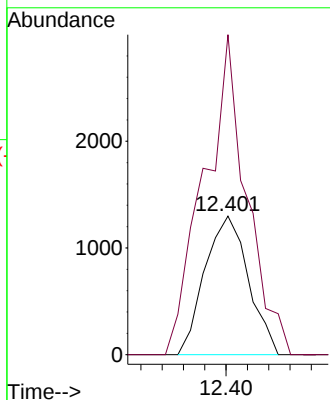
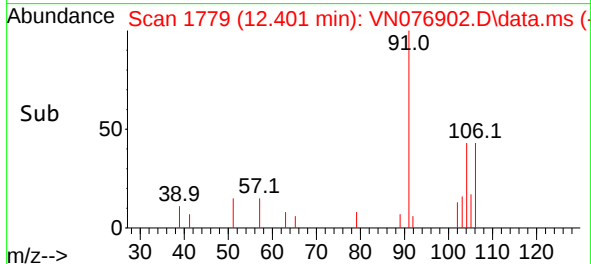
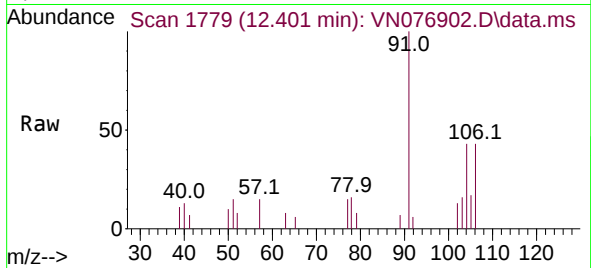
#68
o-Xylene
Concen: 0.228 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

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

Tgt Ion:106 Resp: 184
Ion Ratio Lower Upper
106 100
91 226.3 107.2 321.6

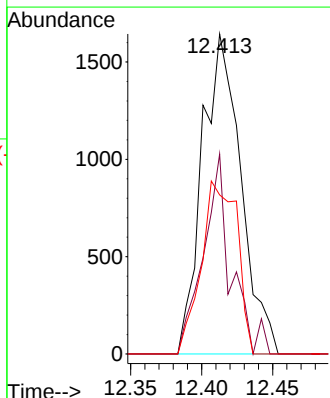
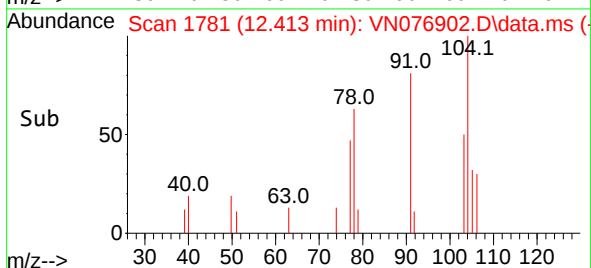
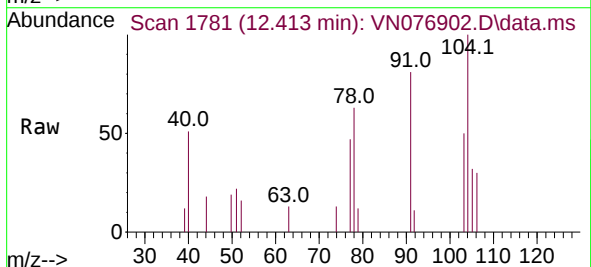
Manual Integrations
APPROVED

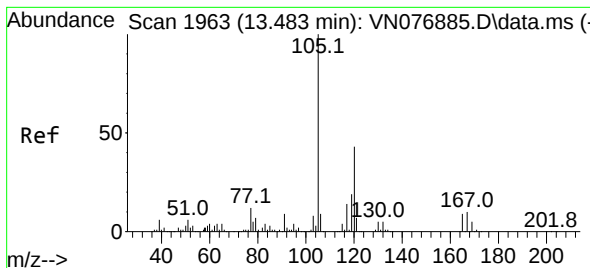
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#69
Styrene
Concen: 0.237 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN076902.D
Acq: 09 Mar 2023 14:52

Tgt Ion:104 Resp: 3117
Ion Ratio Lower Upper
104 100
78 34.7 39.6 59.4#
103 38.6 43.9 65.9#





#80

1,2,4-Trimethylbenzene

Concen: 0.538 ug/l

RT: 13.489 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VN076902.D

Acq: 09 Mar 2023 14:52

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAR)

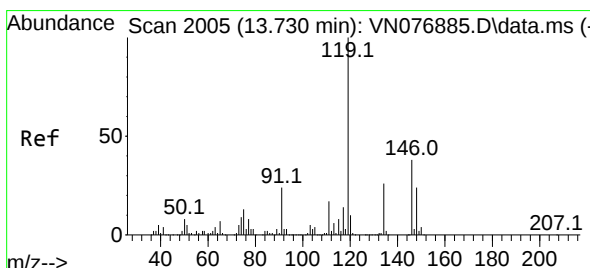
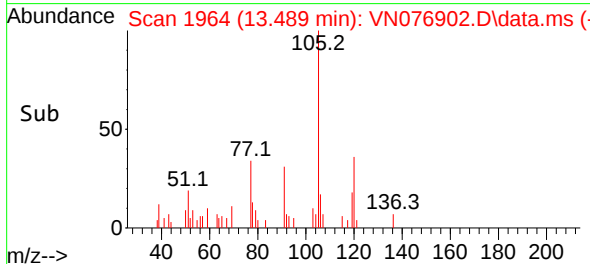
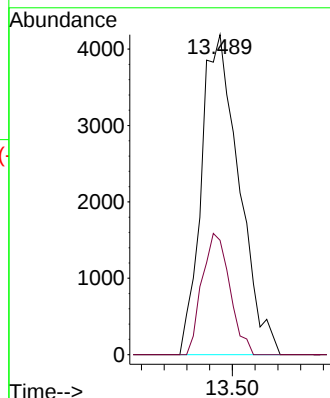
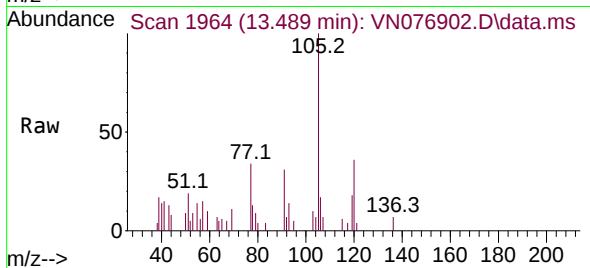
Tgt Ion:105 Resp: 964
 Ion Ratio Lower Upper
 105 100
 120 27.9 0.0 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#82

p-Isopropyltoluene

Concen: 0.584 ug/l

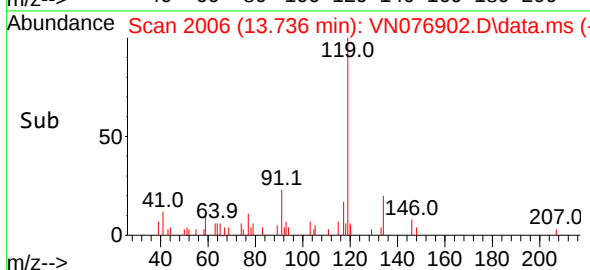
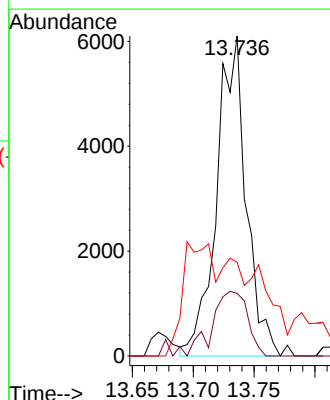
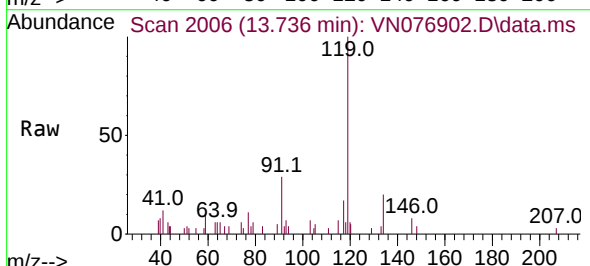
RT: 13.736 min Scan# 2006

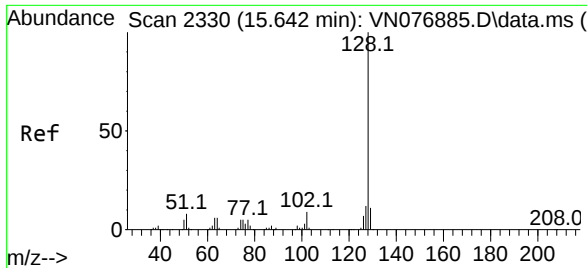
Delta R.T. 0.006 min

Lab File: VN076902.D

Acq: 09 Mar 2023 14:52

Tgt Ion:119 Resp: 10287
 Ion Ratio Lower Upper
 119 100
 134 20.9 0.0 53.4
 91 19.1 0.0 47.2





#91

Naphthalene

Concen: 1.674 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076902.D

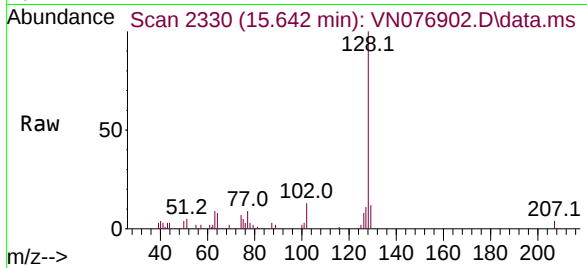
Acq: 09 Mar 2023 14:52

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAR)



Tgt Ion:128 Resp: 2484

Ion Ratio Lower Upper

128 100

127 7.9 11.0 16.6

129 12.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023

