

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078858.D
 Acq On : 11 Aug 2023 11:56
 Operator : JC\MD
 Sample : 03960-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230809051-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 12 01:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	29088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	155277	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	125026	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	70222	29.986	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.967%		
60) 4-Bromofluorobenzene	12.853	95	40593	23.130	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	77.100%		
63) Toluene-d8	10.571	98	187030	30.527	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.767%		
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	64875	271.392	ug/l	86
16) Carbon Disulfide	4.718	76	5994	1.278	ug/l #	74
23) tert-Butyl Alcohol	5.530	59	482806	1400.463	ug/l #	100
30) 2-Butanone	7.494	43	237493	192.074	ug/l #	91
34) Benzene	8.618	78	5190m	0.676	ug/l	
58) 4-Methyl-2-Pentanone	10.459	43	7783m	3.239	ug/l	
62) Toluene	10.635	91	9597	1.304	ug/l	98
66) Ethyl Benzene	11.971	91	8101m	1.060	ug/l	
67) m/p-Xylenes	12.071	106	2961	1.056	ug/l	74
68) o-Xylene	12.400	106	2196m	0.787	ug/l	

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

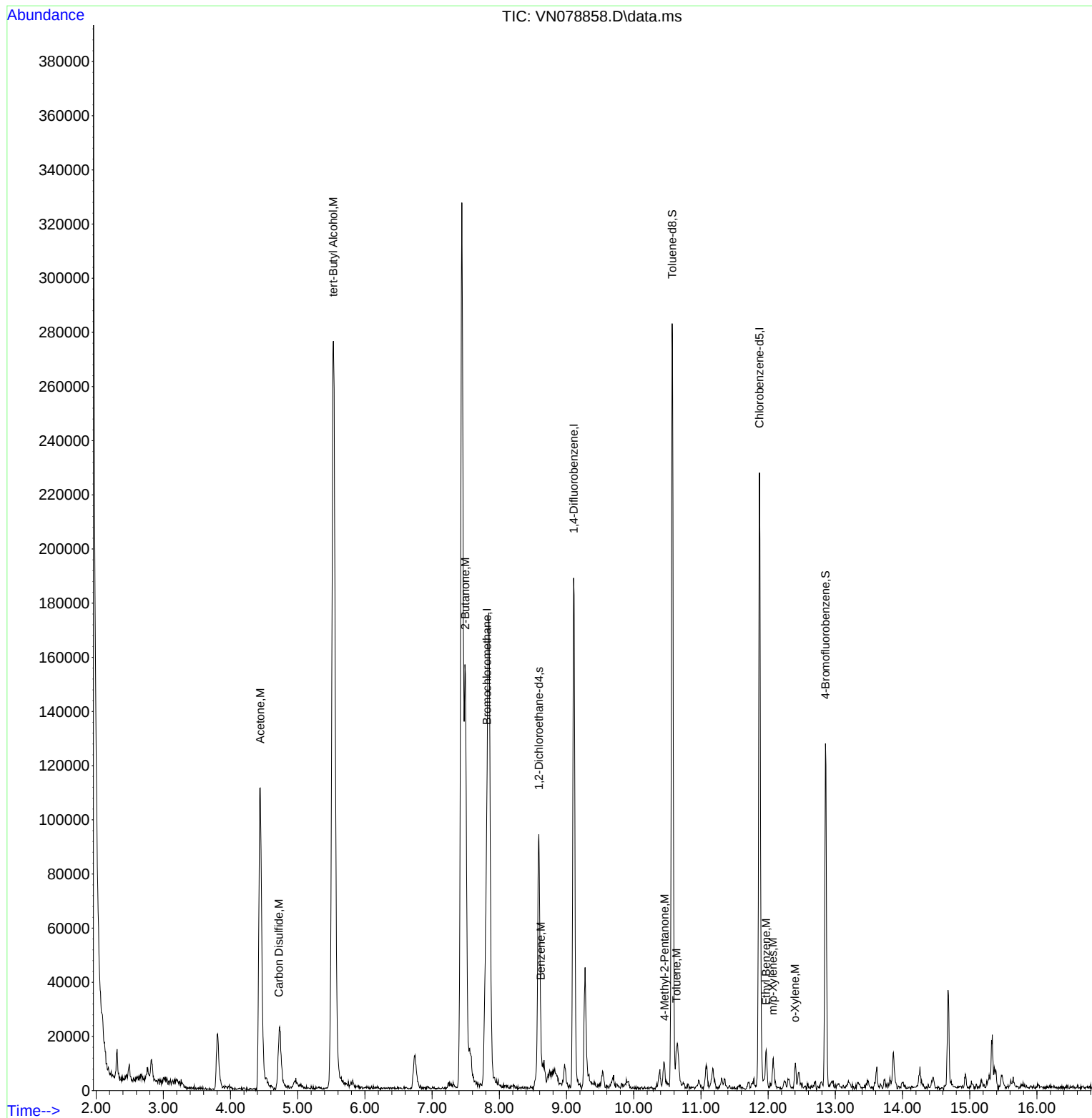
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
Data File : VN078858.D
Acq On : 11 Aug 2023 11:56
Operator : JC\MD
Sample : 03960-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

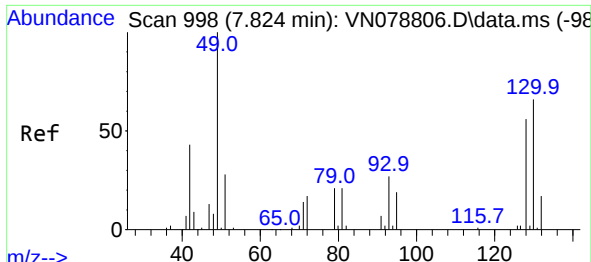
Instrument :
MSVOA_N
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230809051-02-VOA

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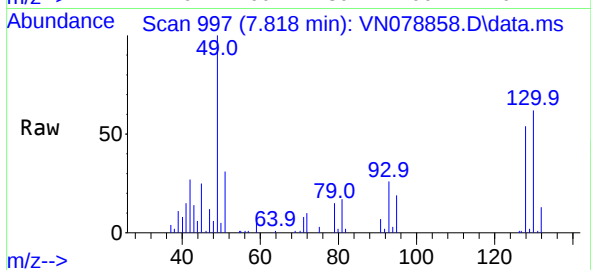
Quant Time: Aug 12 01:39:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 05:05:47 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

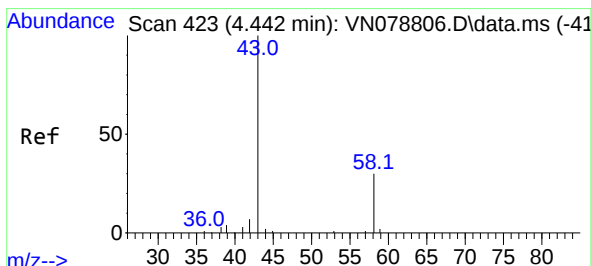
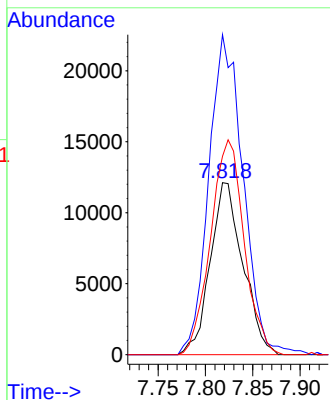
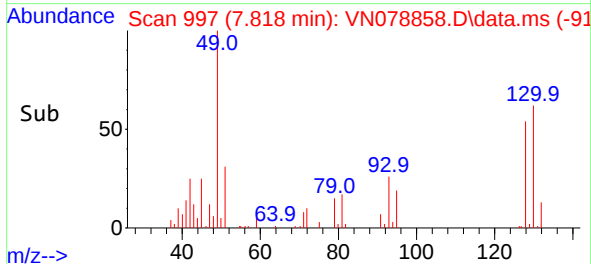
Instrument :
MSVOA_N
ClientSampleId :
230809051-02-VOA



Tgt Ion:128 Resp: 29088
Ion Ratio Lower Upper
128 100
49 195.3 0.0 370.8
130 128.4 0.0 307.0

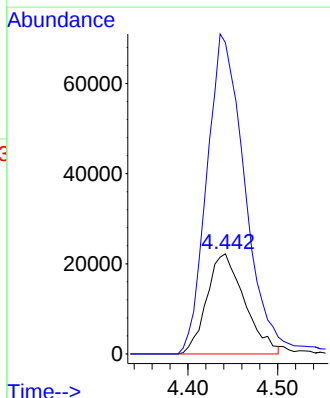
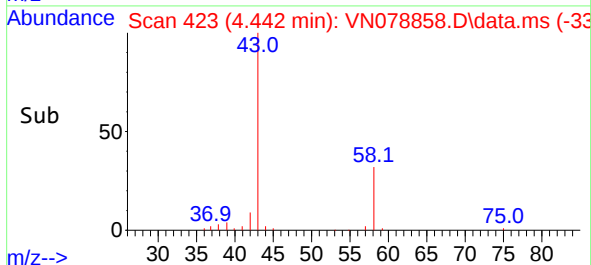
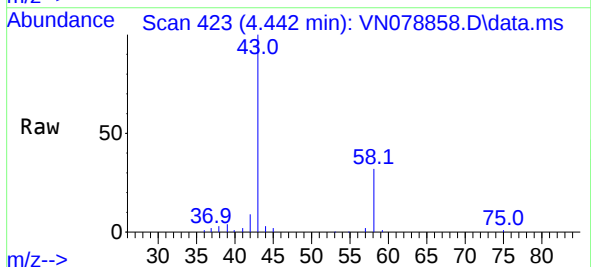
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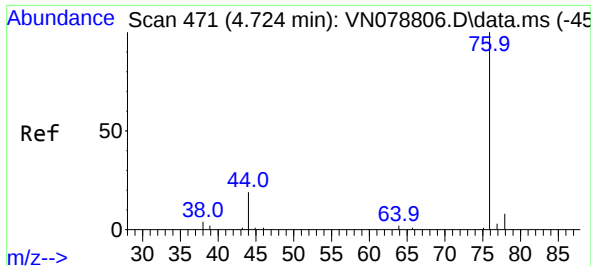
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#15
Acetone
Concen: 271.392 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

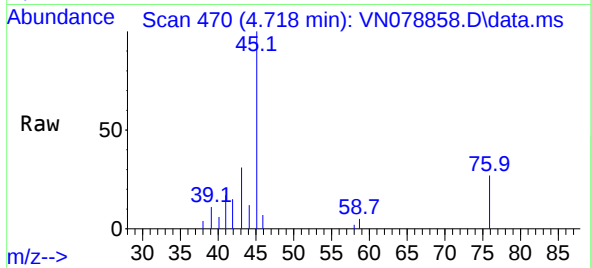
Tgt Ion: 58 Resp: 64875
Ion Ratio Lower Upper
58 100
43 310.8 227.5 341.3





#16
Carbon Disulfide
Concen: 1.278 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

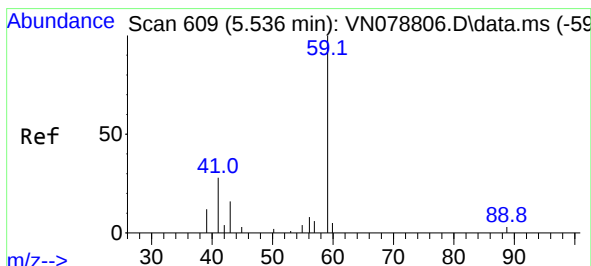
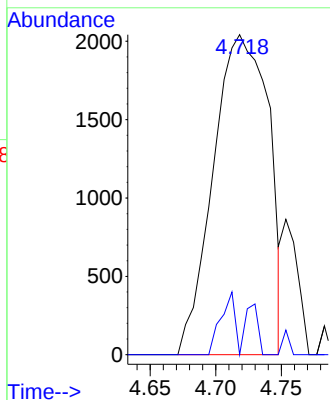
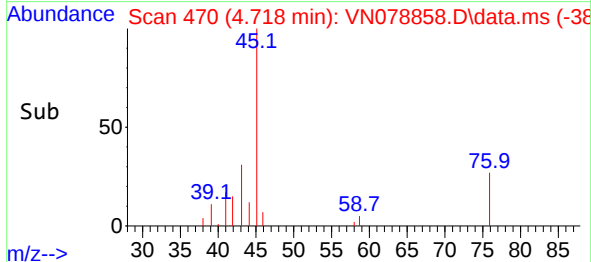
Instrument :
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Tgt Ion: 76 Resp: 5994
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5

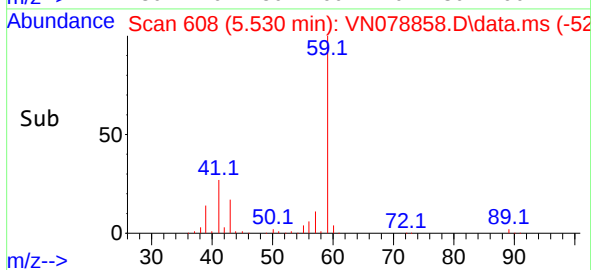
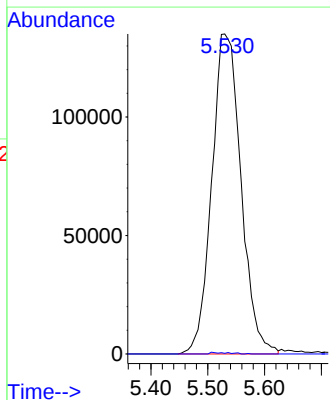
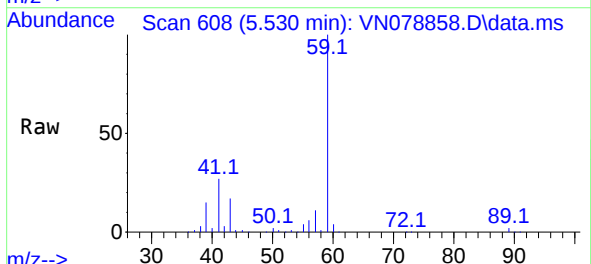
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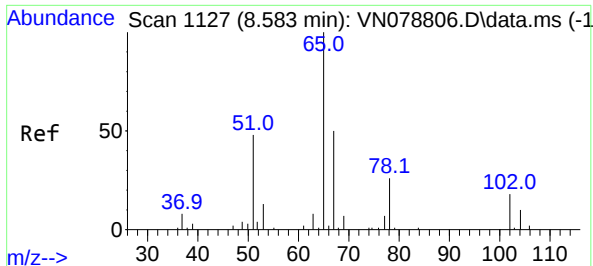
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#23
tert-Butyl Alcohol
Concen: 1400.463 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

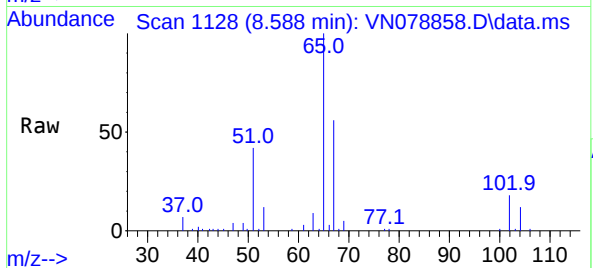
Tgt Ion: 59 Resp: 482806
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1#





#27
1,2-Dichloroethane-d4
Concen: 29.986 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

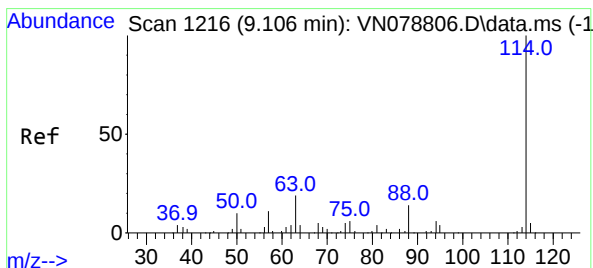
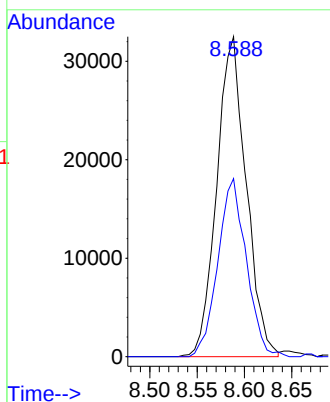
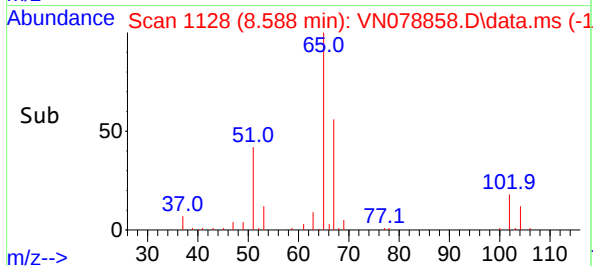
Instrument :
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Tgt Ion: 65 Resp: 7022
Ion Ratio Lower Upper
65 100
67 53.5 42.9 64.3

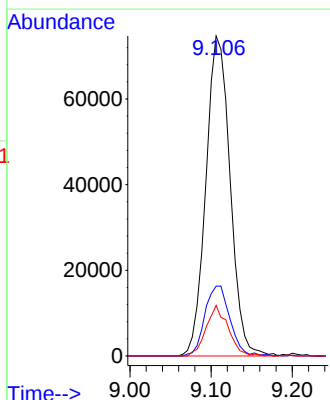
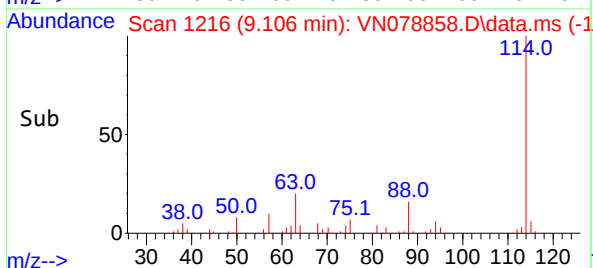
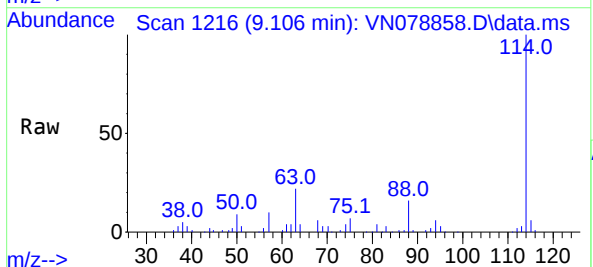
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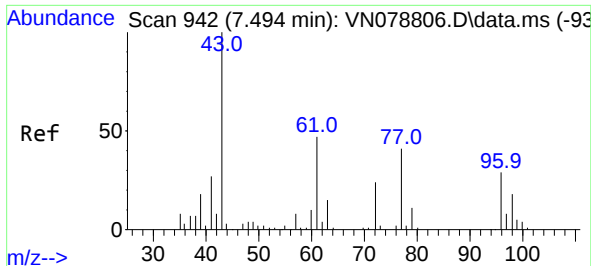
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

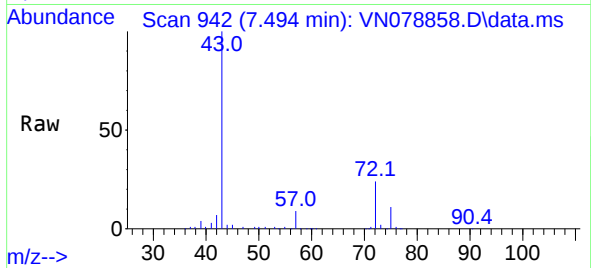
Tgt Ion:114 Resp: 155277
Ion Ratio Lower Upper
114 100
63 22.4 15.2 22.8
88 14.2 12.5 18.7





#30
2-Butanone
Concen: 192.074 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

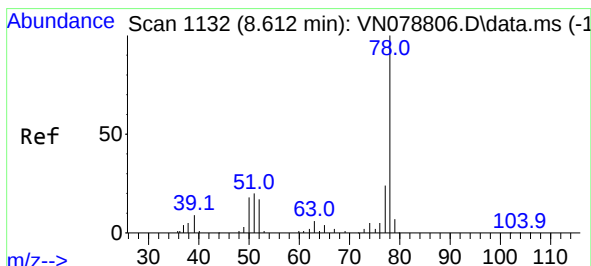
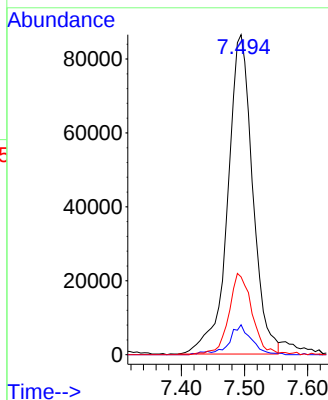
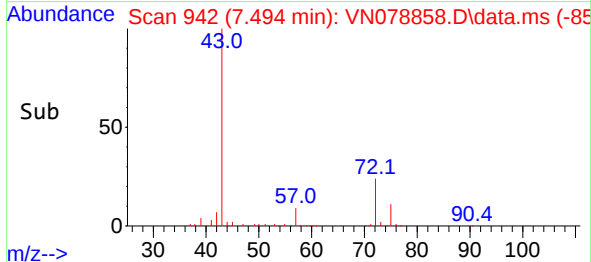
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ClientSampleId :
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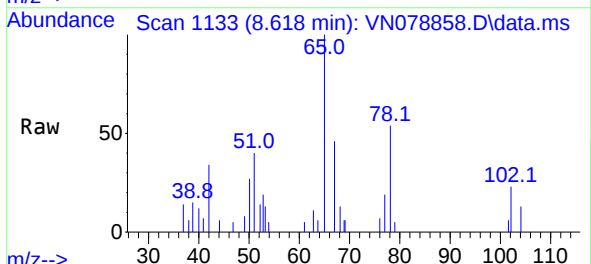
Tgt Ion: 43 Resp: 237493
Ion Ratio Lower Upper
43 100
57 8.0 6.8 10.2
72 23.4 23.8 35.6

Manual Integrations
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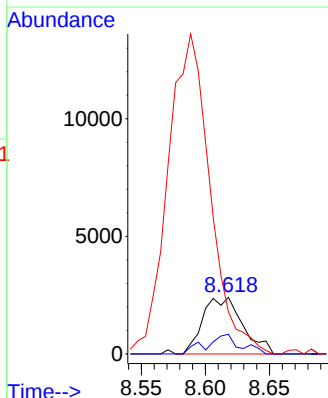
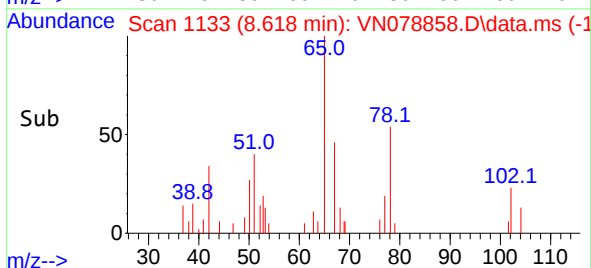
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

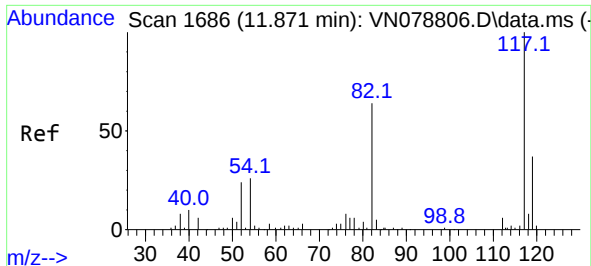


#34
Benzene
Concen: 0.676 ug/l m
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56



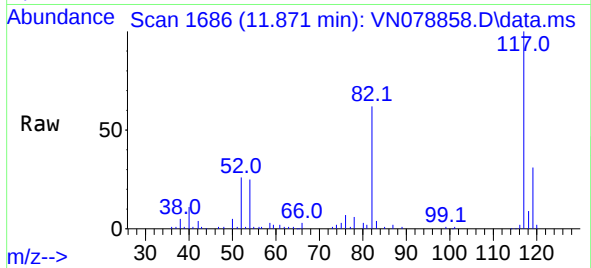
Tgt Ion: 78 Resp: 5190
Ion Ratio Lower Upper
78 100
77 34.8 18.3 27.5#
51 74.2 13.7 20.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

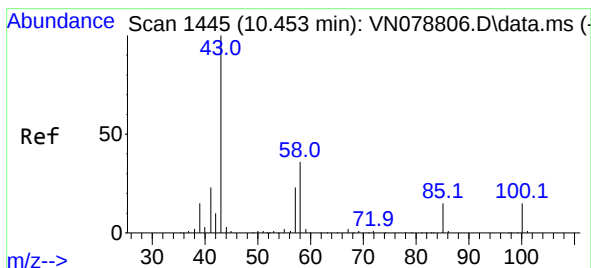
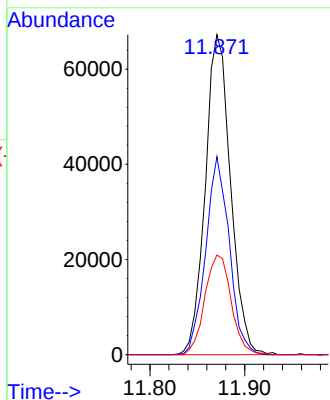
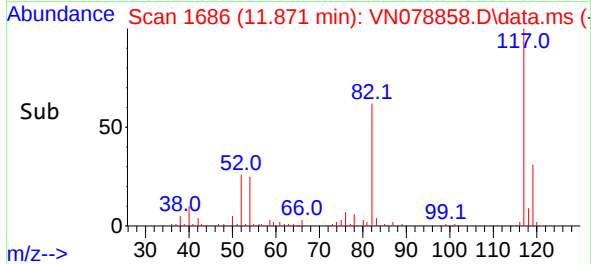
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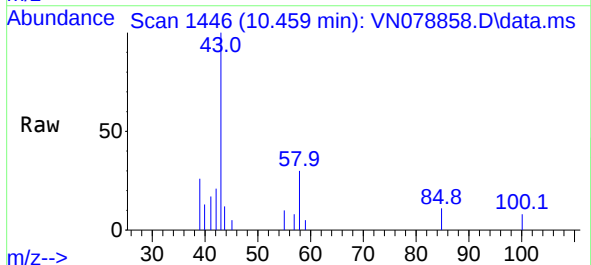
Tgt Ion:117 Resp: 125020
Ion Ratio Lower Upper
117 100
82 57.7 43.9 65.9
119 32.4 26.2 39.4

Manual Integrations
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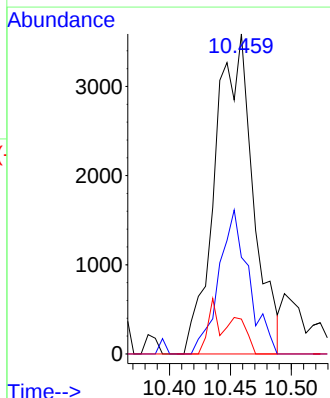
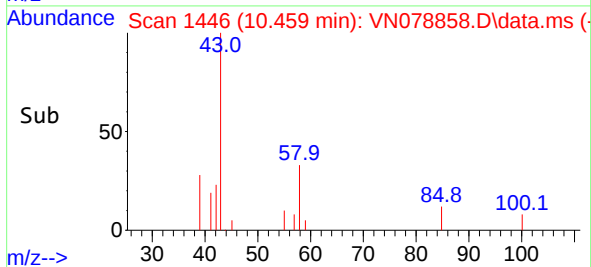
Reviewed By :John Carlone 08/14/2023
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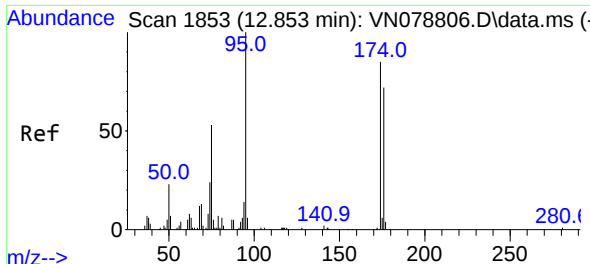


#58
4-Methyl-2-Pentanone
Concen: 3.239 ug/l m
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56



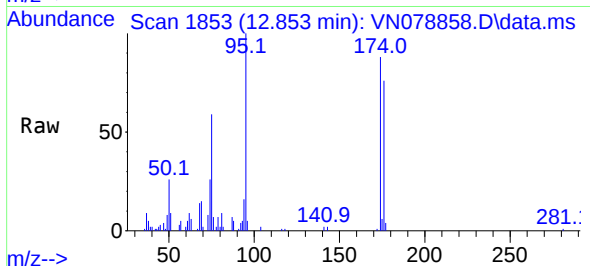
Tgt Ion: 43 Resp: 7783
Ion Ratio Lower Upper
43 100
58 32.3 32.6 48.8#
85 5.9 16.2 24.2#





#60
4-Bromofluorobenzene
Concen: 23.130 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

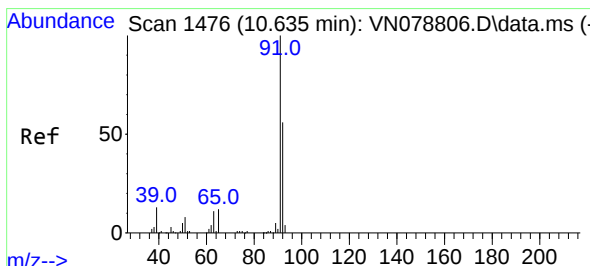
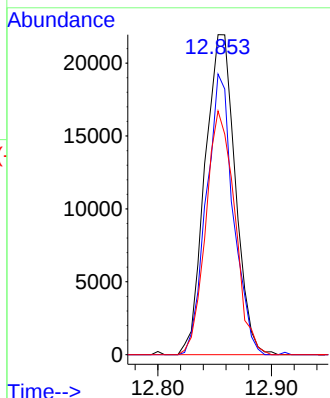
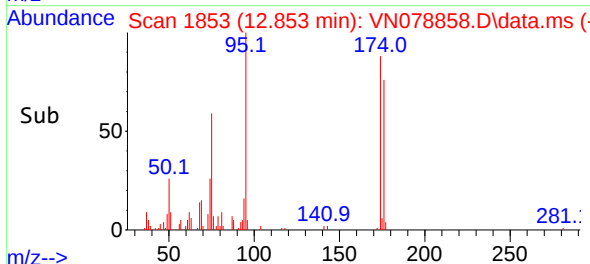
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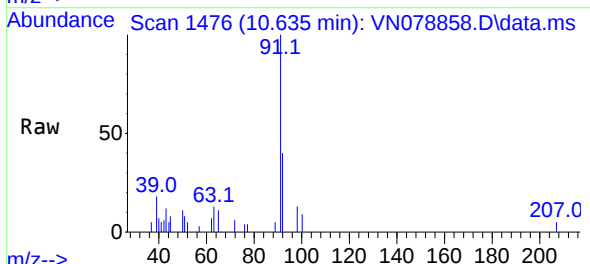
Tgt Ion: 95 Resp: 4059
Ion Ratio Lower Upper
95 100
174 78.4 61.7 92.5
176 72.7 58.1 87.1

Manual Integrations
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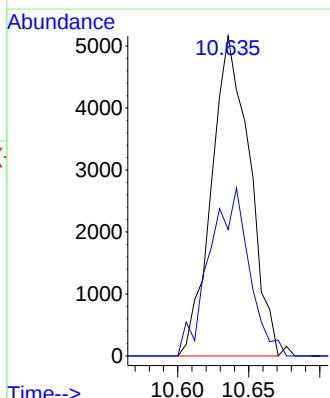
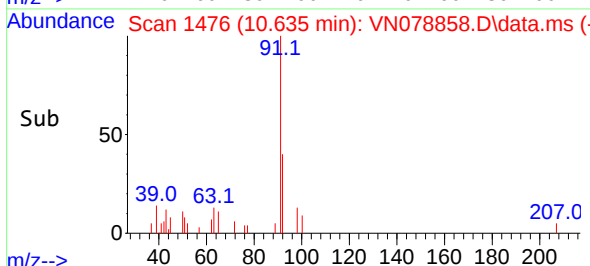
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

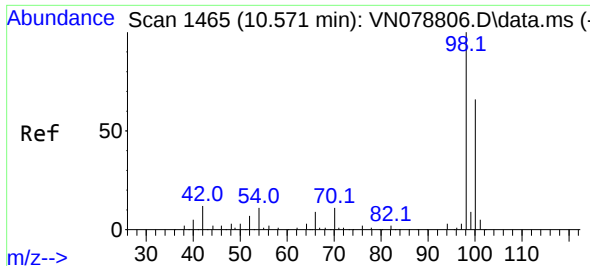


#62
Toluene
Concen: 1.304 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56



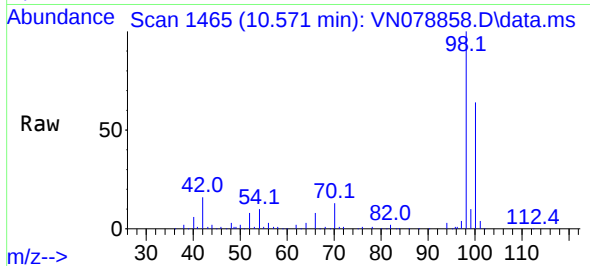
Tgt Ion: 91 Resp: 9597
Ion Ratio Lower Upper
91 100
92 54.9 45.2 67.8





#63
Toluene-d8
Concen: 30.527 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

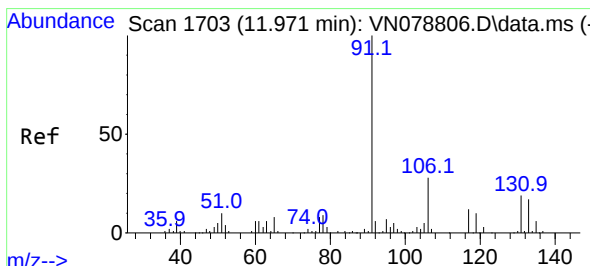
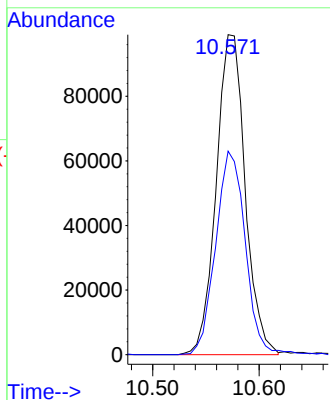
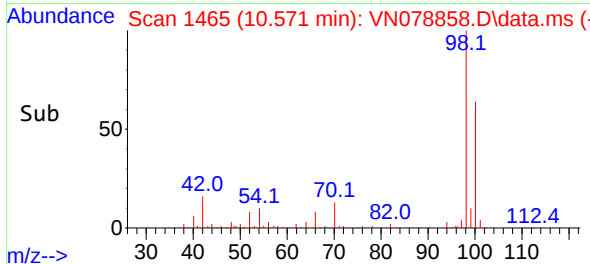
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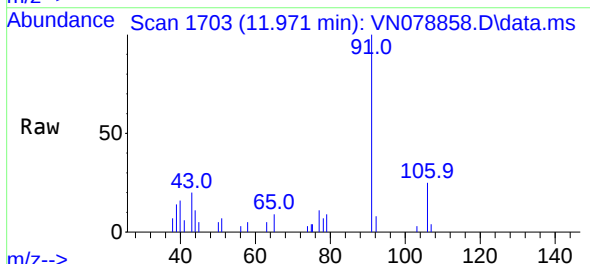
Tgt Ion: 98 Resp: 187030
Ion Ratio Lower Upper
98 100
100 65.1 49.7 74.5

Manual Integrations
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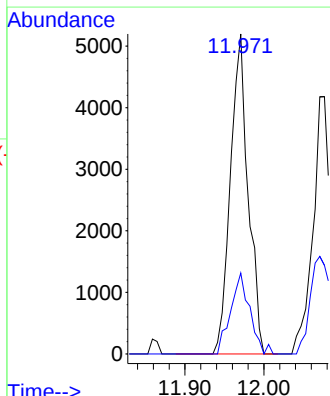
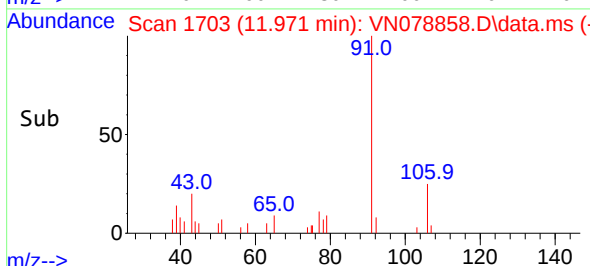
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

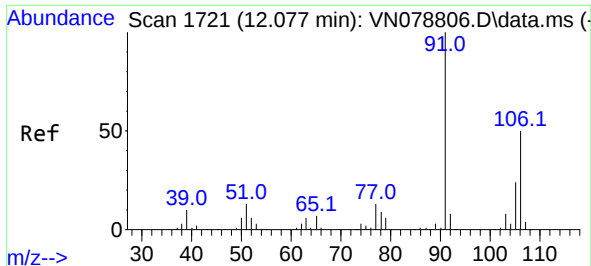


#66
Ethyl Benzene
Concen: 1.060 ug/l m
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56



Tgt Ion: 91 Resp: 8101
Ion Ratio Lower Upper
91 100
106 25.3 25.6 38.4#





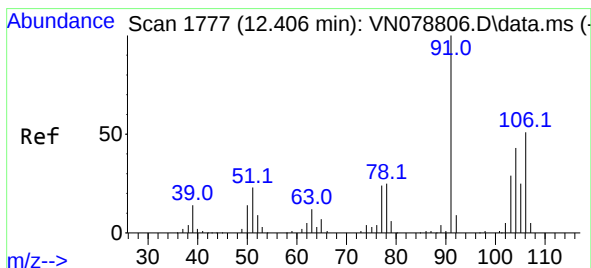
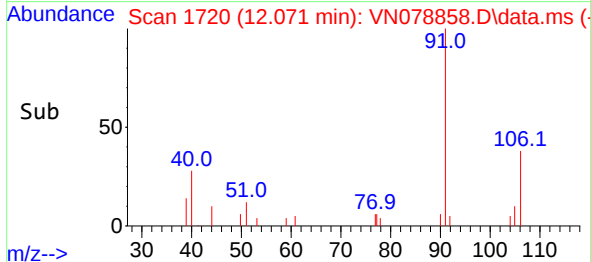
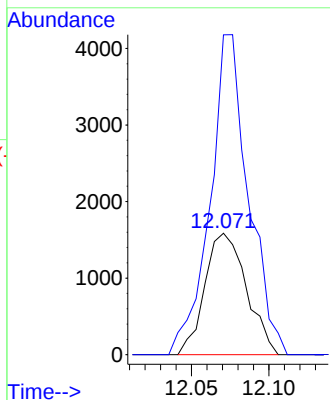
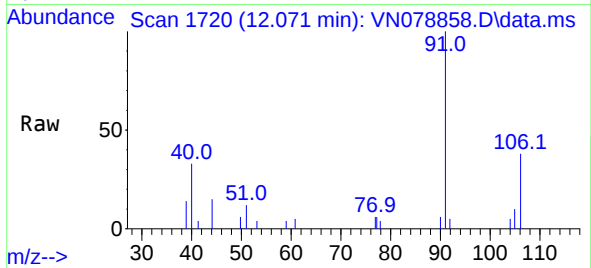
#67
m/p-Xylenes
Concen: 1.056 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

Instrument :
MSVOA_N
ClientSampleId :
230809051-02-VOA

Tgt Ion:106 Resp: 296
Ion Ratio Lower Upper
106 100
91 243.6 162.5 243.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#68
o-Xylene
Concen: 0.787 ug/l m
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN078858.D
Acq: 11 Aug 2023 11:56

Tgt Ion:106 Resp: 2196
Ion Ratio Lower Upper
106 100
91 247.3 106.1 318.3

