

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
 Data File : VN078739.D
 Acq On : 02 Aug 2023 20:03
 Operator : JC\MD
 Sample : 03884-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JULY)

Quant Time: Aug 03 05:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/03/2023
 Supervised By :Semsettin Yesilyurt 08/03/2023

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

Internal Standards						
1) Bromochloromethane	7.830	128	97180	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	521424	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	477937	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	218078	29.937	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.800%		
60) 4-Bromofluorobenzene	12.859	95	156531	21.854	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	72.833%		
63) Toluene-d8	10.577	98	648435	27.465	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	91.533%		
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	532163	714.266	ug/l	91
18) Methylene Chloride	5.283	84	5623m	0.866	ug/l	
25) Chloroform	7.971	83	182800	15.666	ug/l	90
30) 2-Butanone	7.500	43	110197	36.333	ug/l	99
41) Bromodichloromethane	9.894	83	14702	1.720	ug/l #	84
58) 4-Methyl-2-Pentanone	10.459	43	20789	2.906	ug/l #	91
62) Toluene	10.635	91	9379852	326.274	ug/l	99
66) Ethyl Benzene	11.965	91	7188	0.248	ug/l	89
67) m/p-Xylenes	12.071	106	6206m	0.561	ug/l	
82) p-Isopropyltoluene	13.735	119	41805	1.856	ug/l	97

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

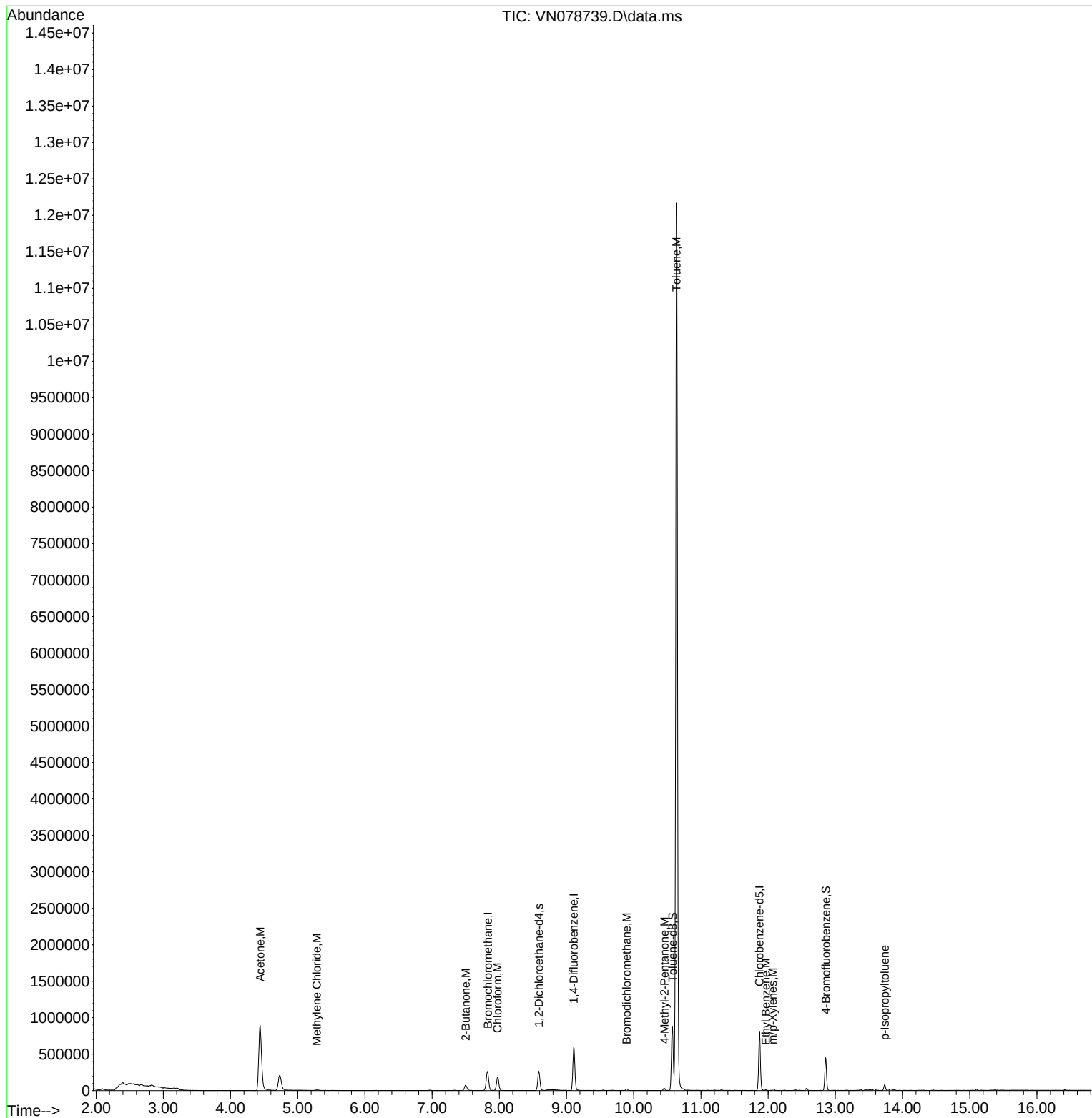
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
Data File : VN078739.D
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Sample : 03884-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

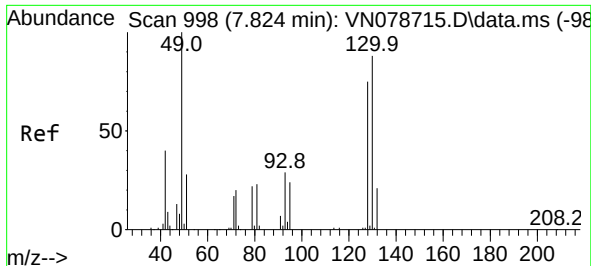
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Quant Time: Aug 03 05:34:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 04:51:47 2023
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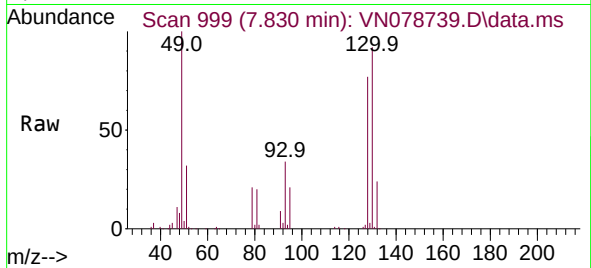
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

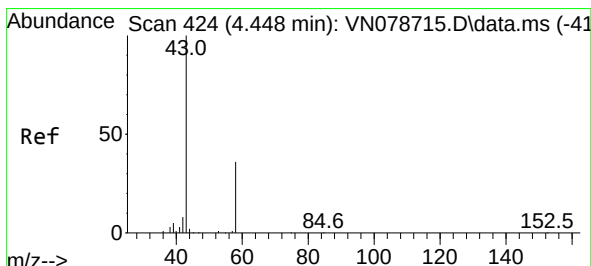
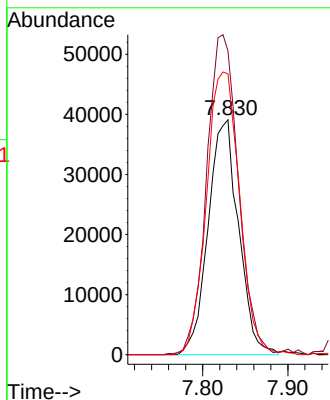
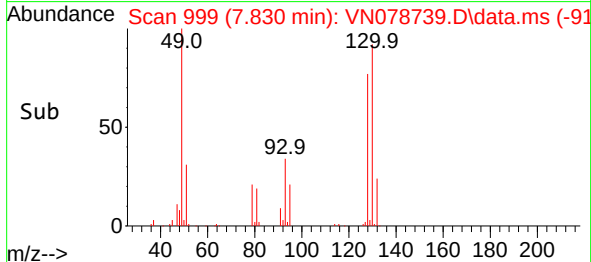
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



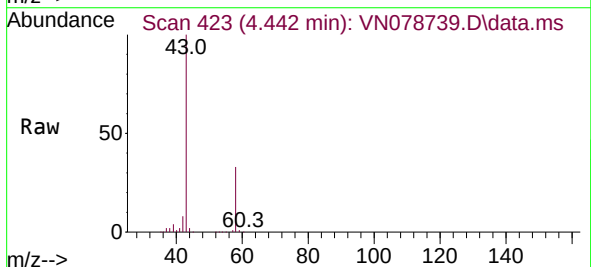
Tgt Ion:128 Resp: 97180
Ion Ratio Lower Upper
128 100
49 141.8 0.0 370.8
130 131.6 0.0 307.0

Manual Integrations
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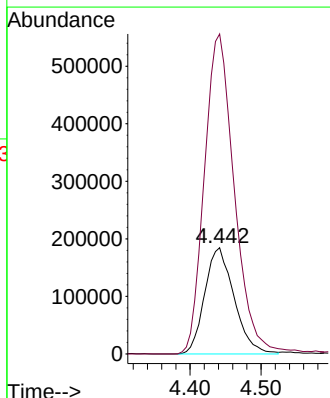
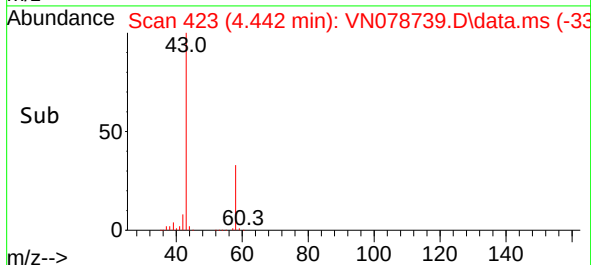
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023

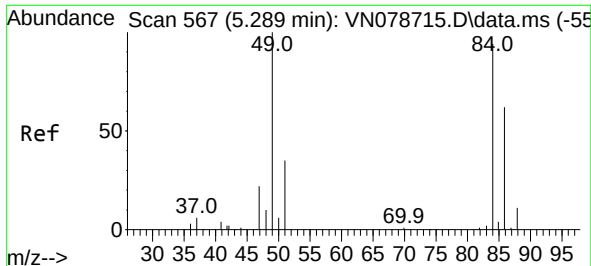


#15
Acetone
Concen: 714.266 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03



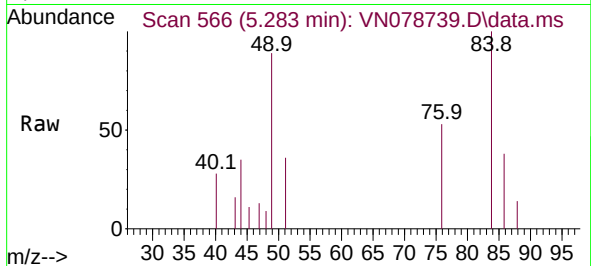
Tgt Ion: 58 Resp: 532163
Ion Ratio Lower Upper
58 100
43 300.9 227.5 341.3





#18
Methylene Chloride
Concen: 0.866 ug/l m
RT: 5.283 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

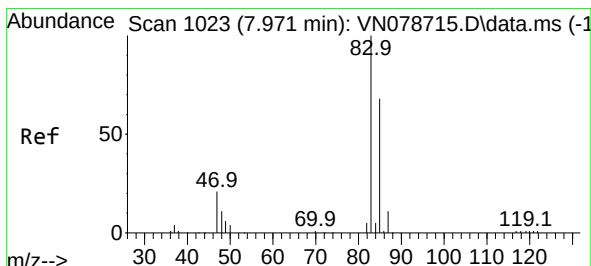
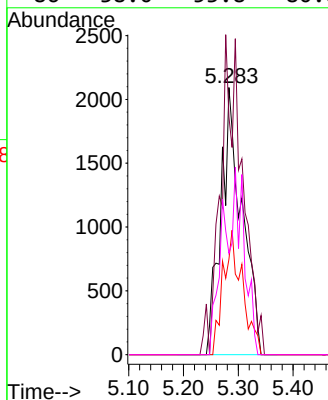
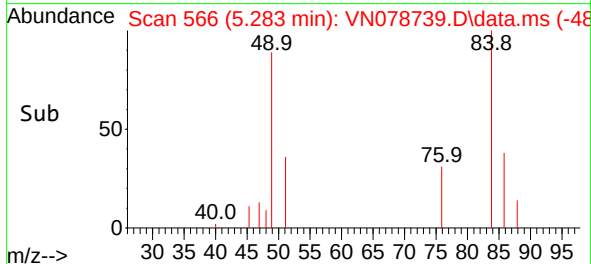
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 84 Resp: 562
Ion Ratio Lower Upper
84 100
49 89.0 88.1 132.1
51 35.7 24.0 36.0
86 38.0 53.8 80.8#

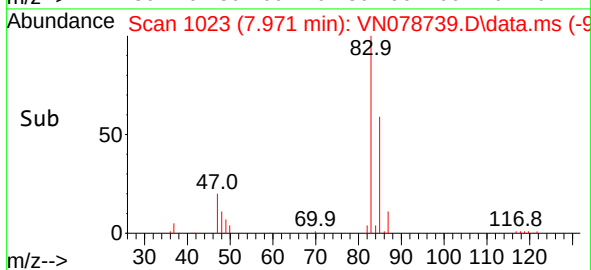
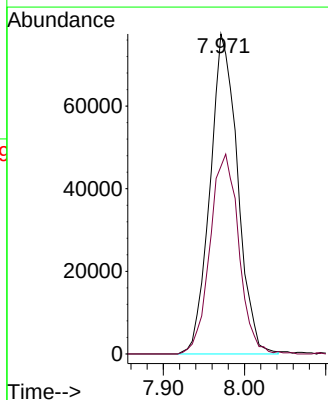
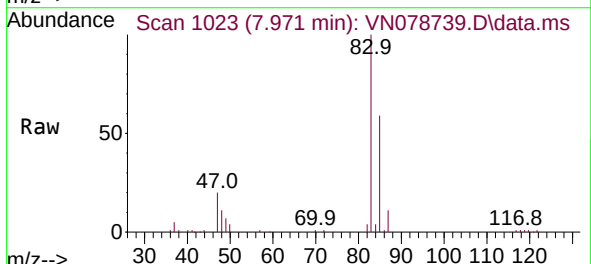
Manual Integrations
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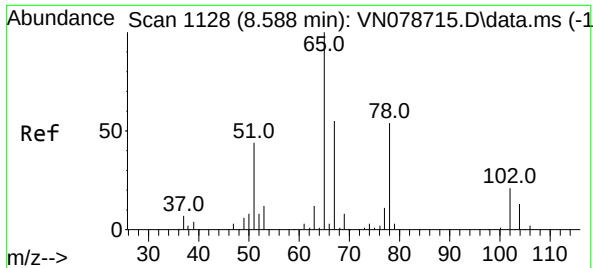
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#25
Chloroform
Concen: 15.666 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

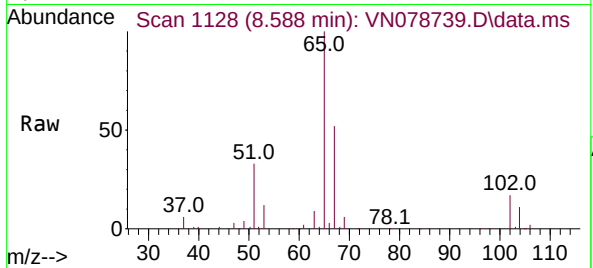
Tgt Ion: 83 Resp: 182800
Ion Ratio Lower Upper
83 100
85 58.6 53.4 80.0





#27
1,2-Dichloroethane-d4
Concen: 29.937 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

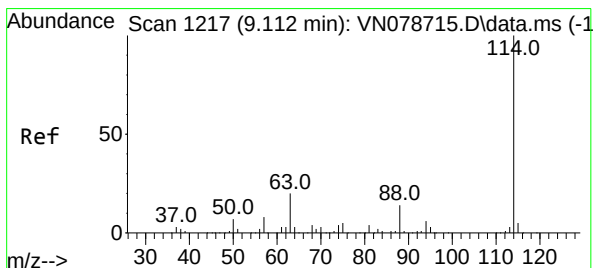
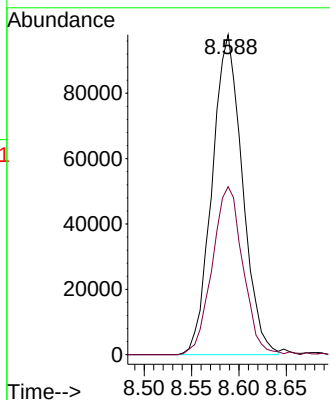
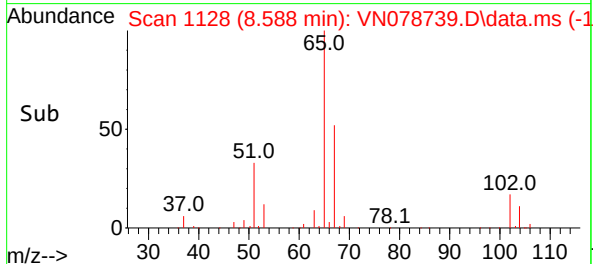
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



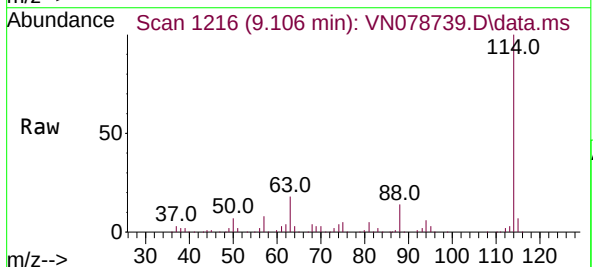
Tgt Ion: 65 Resp: 218078
Ion Ratio Lower Upper
65 100
67 52.9 42.9 64.3

Manual Integrations
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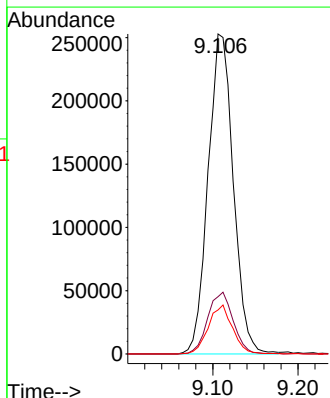
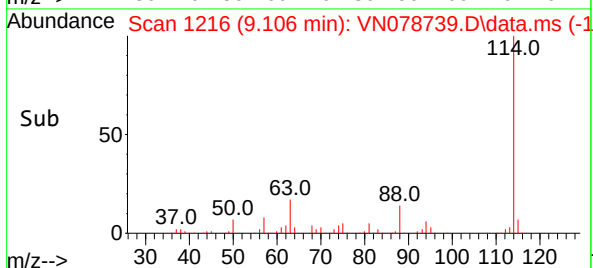
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023

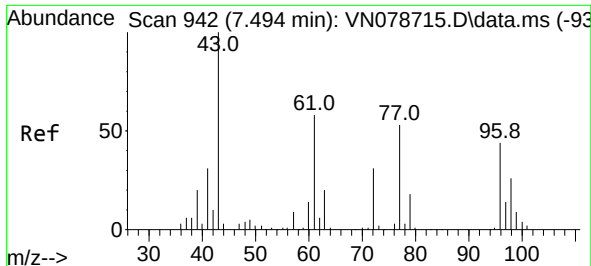


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03



Tgt Ion:114 Resp: 521424
Ion Ratio Lower Upper
114 100
63 19.5 15.2 22.8
88 14.6 12.5 18.7





#30

2-Butanone

Concen: 36.333 ug/l

RT: 7.500 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN078739.D

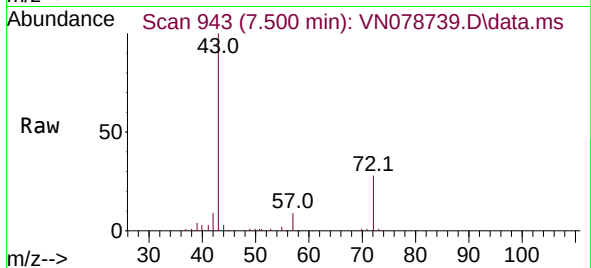
Acq: 02 Aug 2023 20:03

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)



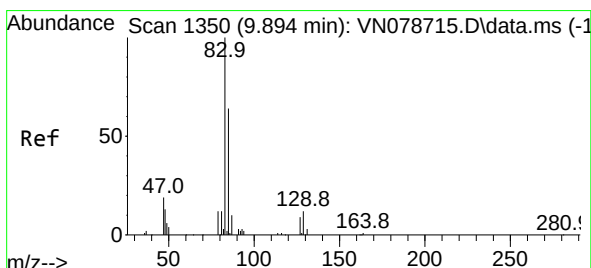
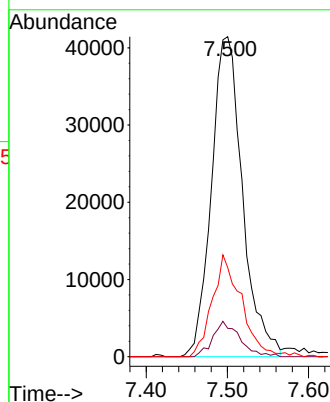
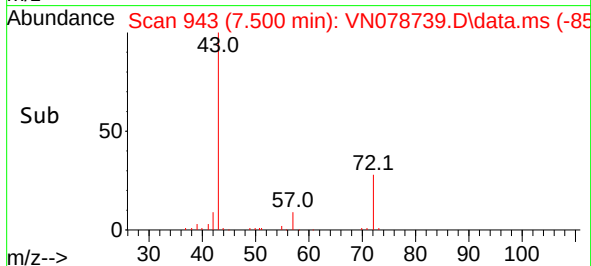
Tgt Ion:	43	Resp:	11019
Ion Ratio	100	Lower	Upper
57	9.6	6.8	10.2
72	29.6	23.8	35.6

Manual Integrations

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Reviewed By :John Carlone 08/03/2023

Supervised By :Semsettin Yesilyurt 08/03/2023



#41

Bromodichloromethane

Concen: 1.720 ug/l

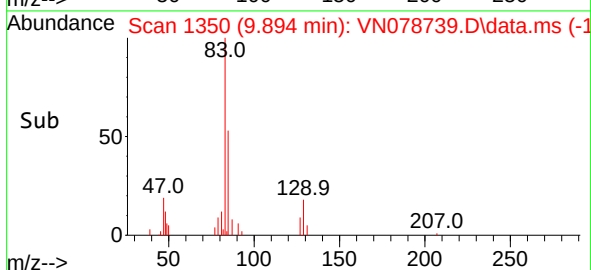
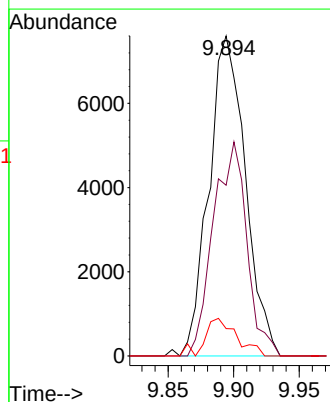
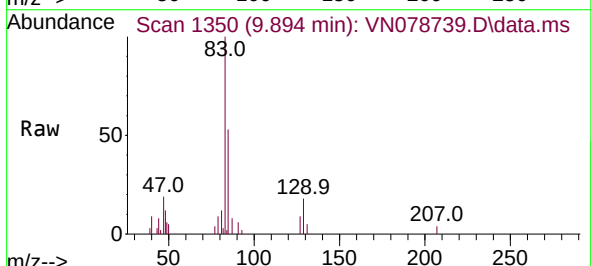
RT: 9.894 min Scan# 1350

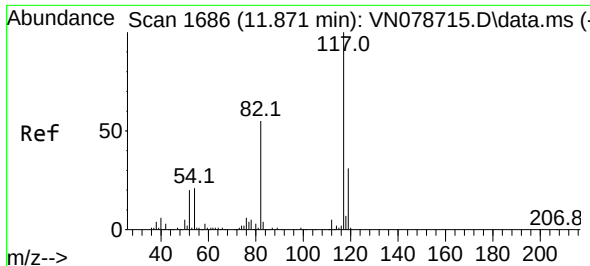
Delta R.T. 0.000 min

Lab File: VN078739.D

Acq: 02 Aug 2023 20:03

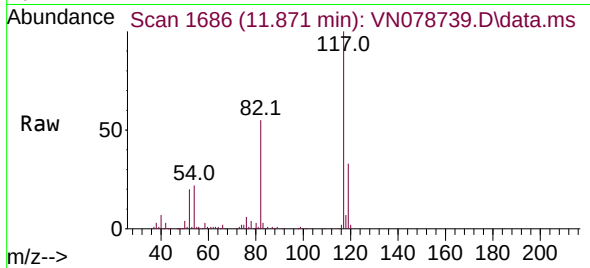
Tgt Ion:	83	Resp:	14702
Ion Ratio	100	Lower	Upper
85	53.4	54.1	81.1
127	8.6	7.8	11.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

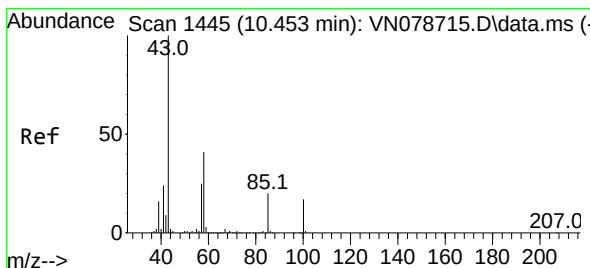
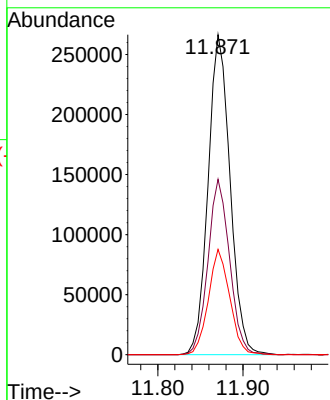
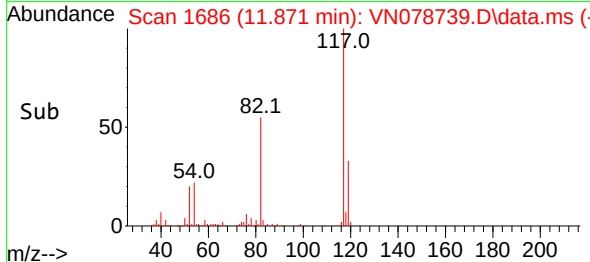
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



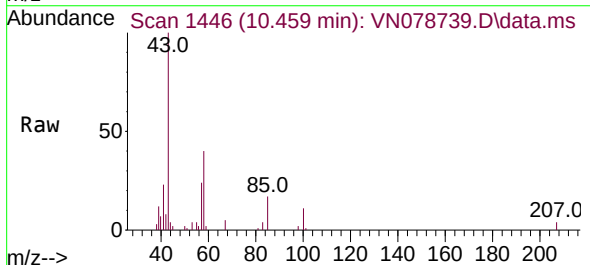
Tgt Ion: 117 Resp: 47793
Ion Ratio Lower Upper
117 100
82 53.9 43.9 65.9
119 31.9 26.2 39.4

Manual Integrations
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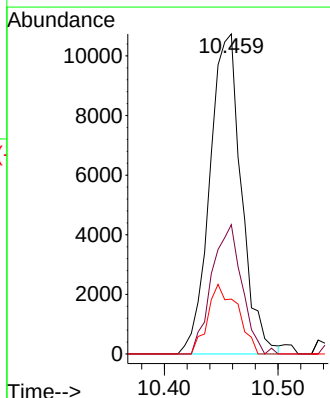
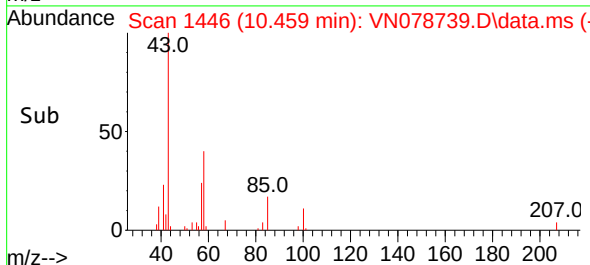
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023

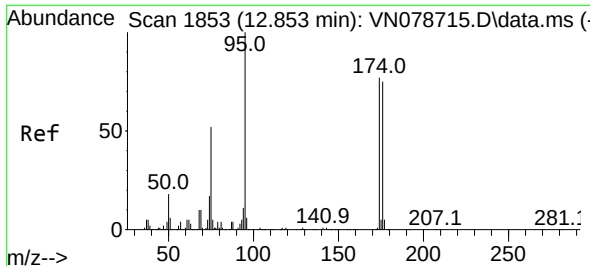


#58
4-Methyl-2-Pentanone
Concen: 2.906 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03



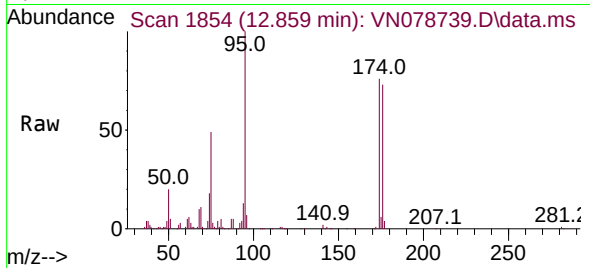
Tgt Ion: 43 Resp: 20789
Ion Ratio Lower Upper
43 100
58 38.0 32.6 48.8
85 12.3 16.2 24.2#





#60
4-Bromofluorobenzene
Concen: 21.854 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

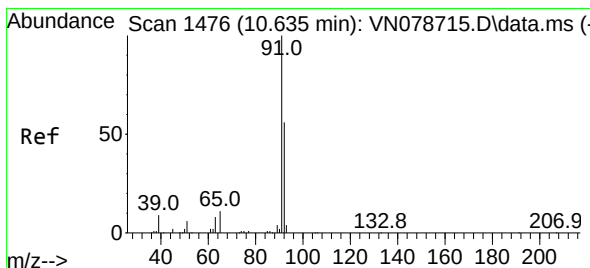
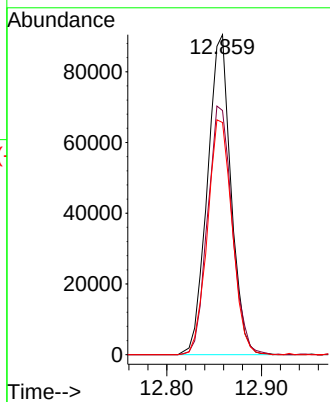
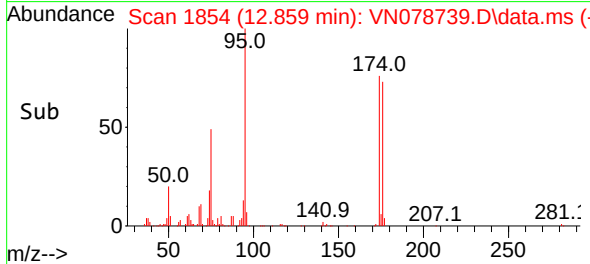
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001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 95 Resp: 15653
Ion Ratio Lower Upper
95 100
174 80.8 61.7 92.5
176 76.5 58.1 87.1

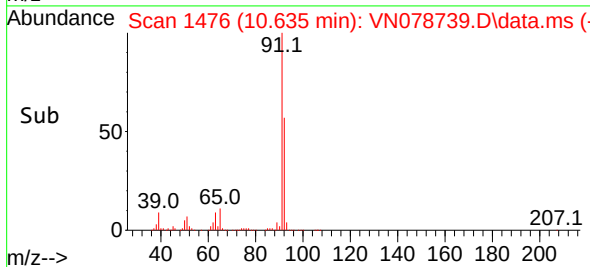
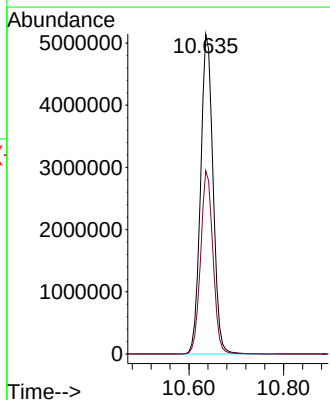
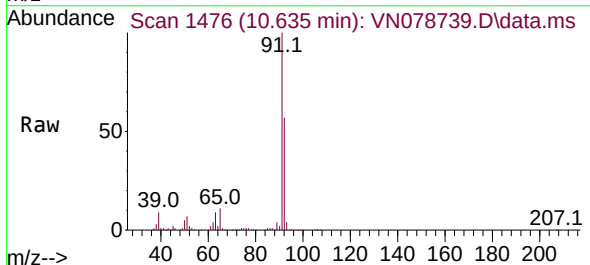
Manual Integrations
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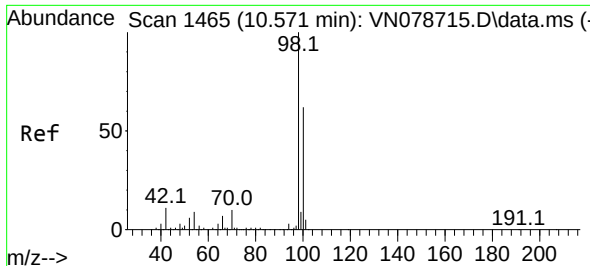
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#62
Toluene
Concen: 326.274 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

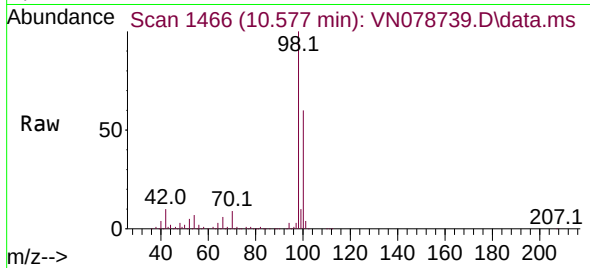
Tgt Ion: 91 Resp: 9379852
Ion Ratio Lower Upper
91 100
92 56.9 45.2 67.8





#63
Toluene-d8
Concen: 27.465 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

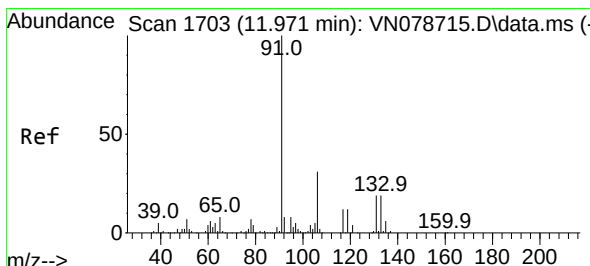
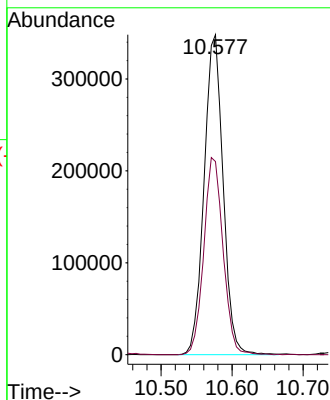
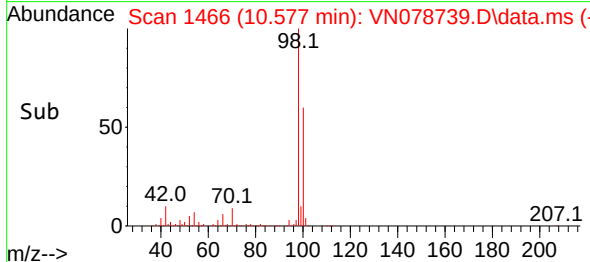
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)



Tgt Ion: 98 Resp: 64843
Ion Ratio Lower Upper
98 100
100 62.4 49.7 74.5

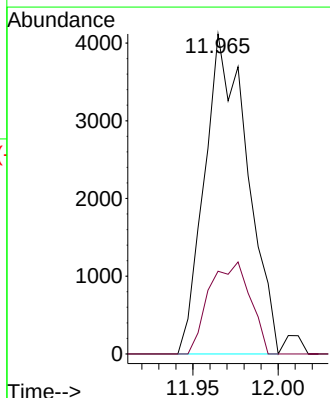
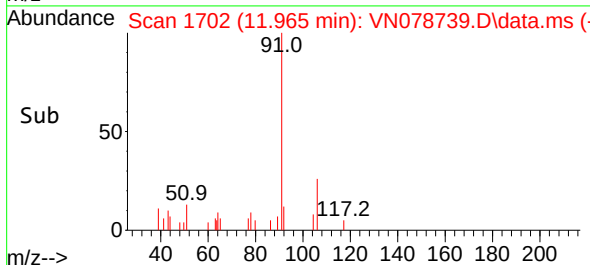
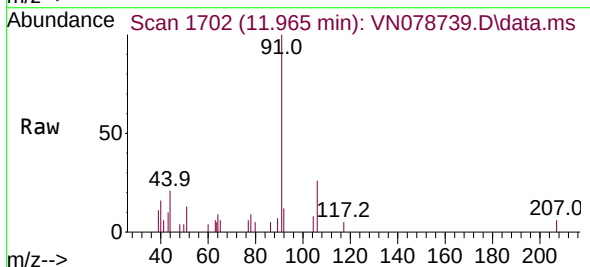
Manual Integrations
APPROVED

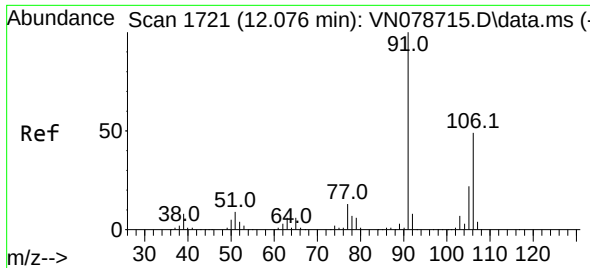
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#66
Ethyl Benzene
Concen: 0.248 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

Tgt Ion: 91 Resp: 7188
Ion Ratio Lower Upper
91 100
106 25.8 25.6 38.4





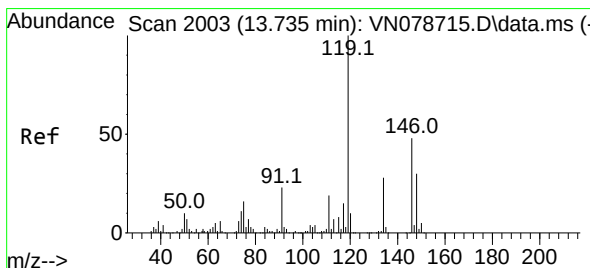
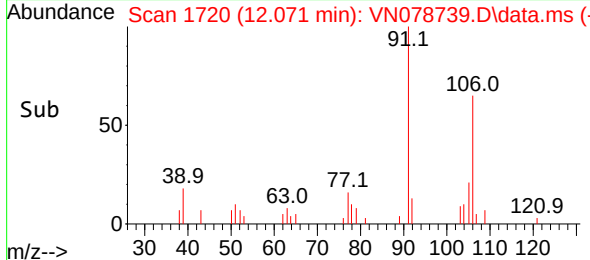
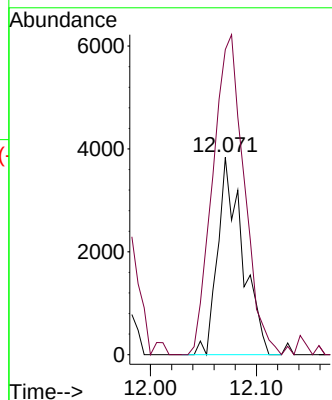
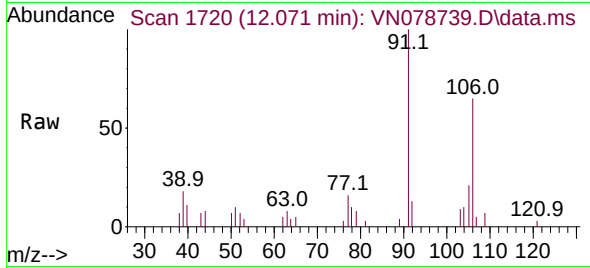
#67
m/p-Xylenes
Concen: 0.561 ug/l m
RT: 12.071 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

Tgt Ion:106 Resp: 6200
Ion Ratio Lower Upper
106 100
91 2.7 162.5 243.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#82
p-Isopropyltoluene
Concen: 1.856 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078739.D
Acq: 02 Aug 2023 20:03

Tgt Ion:119 Resp: 41805
Ion Ratio Lower Upper
119 100
134 24.5 0.0 52.4
91 23.2 0.0 48.2

