

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078930.D
 Acq On : 17 Aug 2023 17:05
 Operator : JC\MD
 Sample : 04027-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 18 05:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	46555	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	250449	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	216442	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	110716	29.355	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.833%	
60) 4-Bromofluorobenzene	12.853	95	81893	25.938	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	86.467%	
63) Toluene-d8	10.571	98	300571	29.737	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.133%	
Target Compounds						Qvalue
15) Acetone	4.436	58	176140	377.910	ug/l	98
25) Chloroform	7.982	83	4314m	0.785	ug/l	
30) 2-Butanone	7.500	43	67106	30.088	ug/l	98
58) 4-Methyl-2-Pentanone	10.453	43	19814	4.614	ug/l	98
62) Toluene	10.635	91	2478099	209.712	ug/l	98
66) Ethyl Benzene	11.970	91	3129	0.253	ug/l #	87
67) m/p-Xylenes	12.070	106	3233	0.702	ug/l	94
68) o-Xylene	12.412	106	1452m	0.320	ug/l	
80) 1,2,4-Trimethylbenzene	13.488	105	3642	0.424	ug/l	63
82) p-Isopropyltoluene	13.735	119	13093	1.648	ug/l	94

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

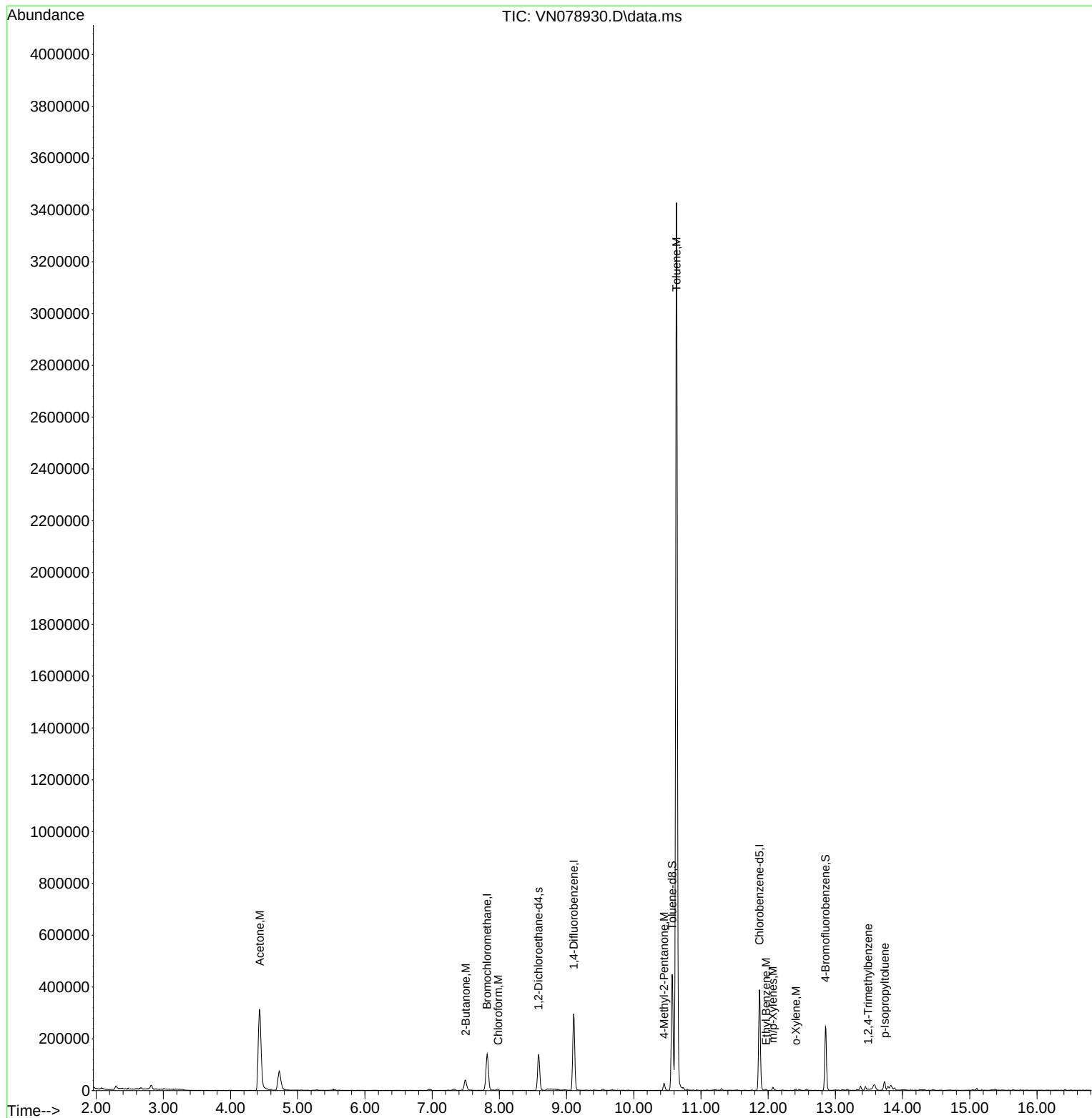
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
Data File : VN078930.D
Acq On : 17 Aug 2023 17:05
Operator : JC\MD
Sample : 04027-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

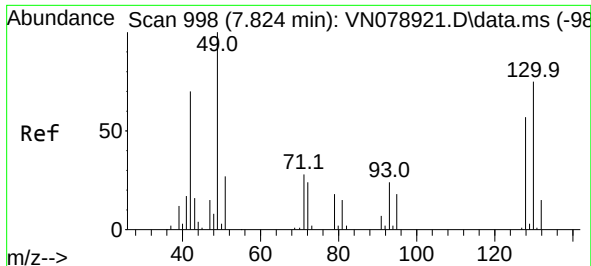
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)

Quant Time: Aug 18 05:33:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration

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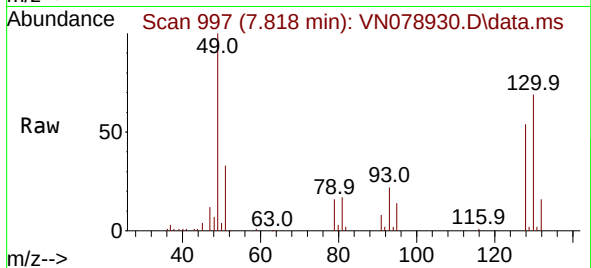
Reviewed By : John Carlone 08/18/2023
Supervised By : Semsettin Yesilyurt 08/18/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

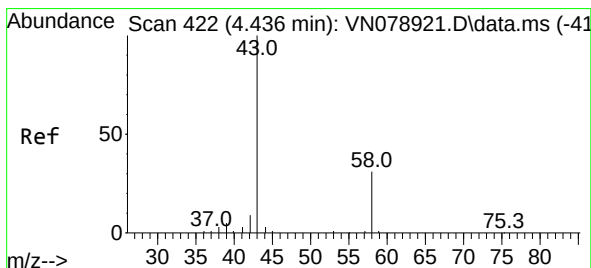
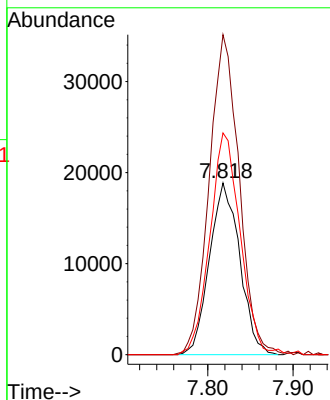
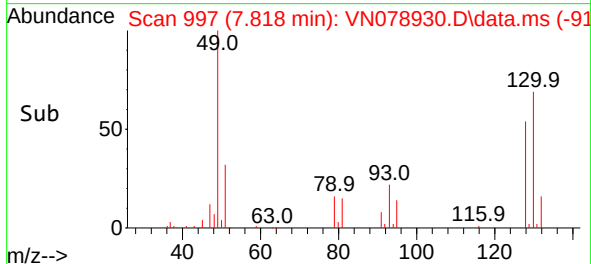
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)



Tgt Ion:128 Resp: 4655
Ion Ratio Lower Upper
128 100
49 184.1 0.0 481.8
130 128.9 0.0 320.5

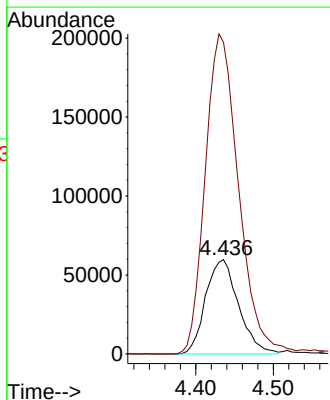
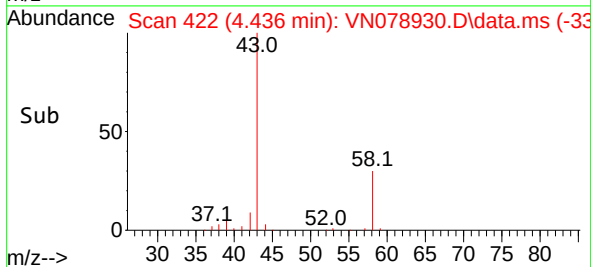
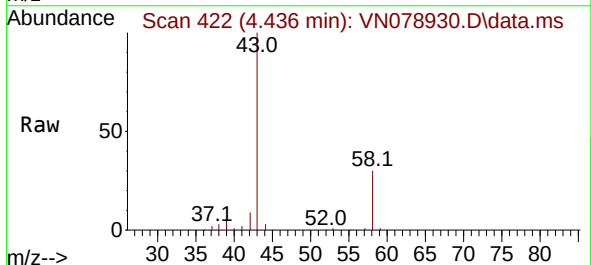
Manual Integrations
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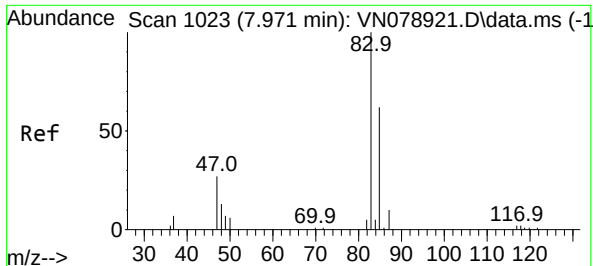
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#15
Acetone
Concen: 377.910 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

Tgt Ion: 58 Resp: 176140
Ion Ratio Lower Upper
58 100
43 329.8 260.6 390.8





#25

Chloroform

Concen: 0.785 ug/l m

RT: 7.982 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN078930.D

Acq: 17 Aug 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

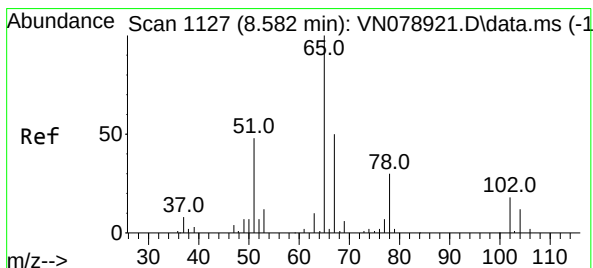
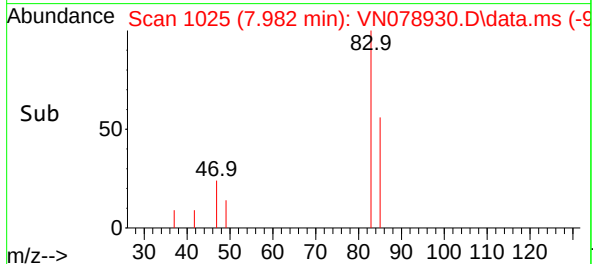
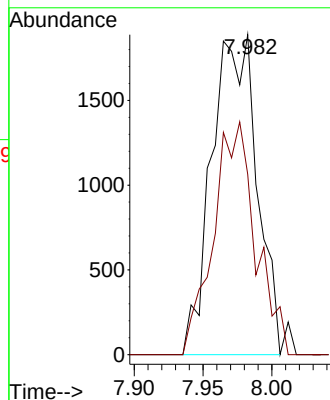
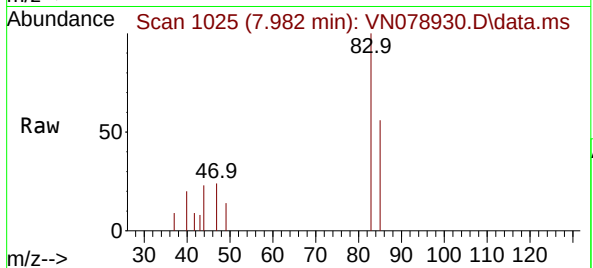
001-WILLETS-PT-BLVD(JUN)

Tgt Ion: 83 Resp: 4314
 Ion Ratio Lower Upper
 83 100
 85 56.4 49.6 74.4

Manual Integrations

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Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#27

1,2-Dichloroethane-d4

Concen: 29.355 ug/l

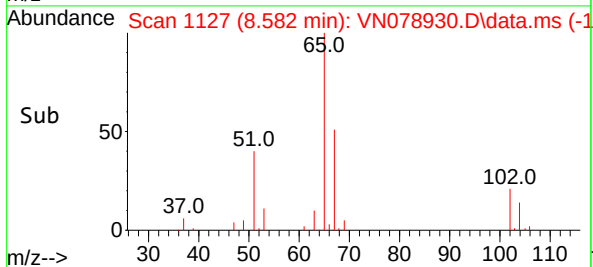
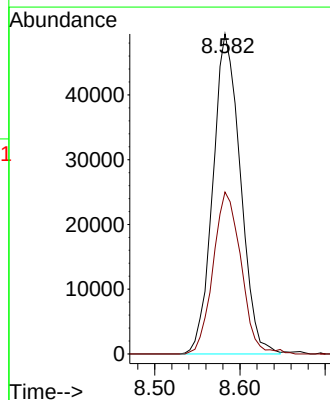
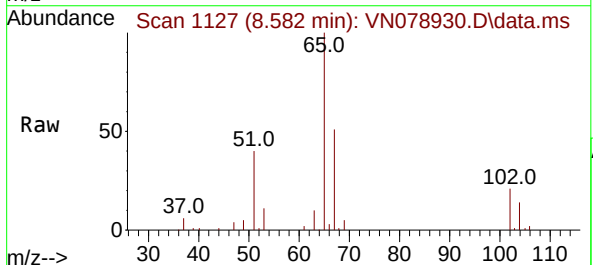
RT: 8.582 min Scan# 1127

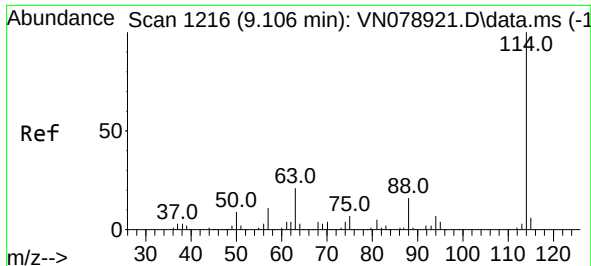
Delta R.T. 0.000 min

Lab File: VN078930.D

Acq: 17 Aug 2023 17:05

Tgt Ion: 65 Resp: 110716
 Ion Ratio Lower Upper
 65 100
 67 51.1 40.7 61.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN078930.D

Acq: 17 Aug 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUN)

Tgt Ion:114 Resp: 250449

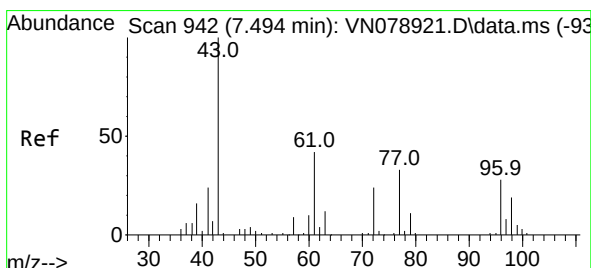
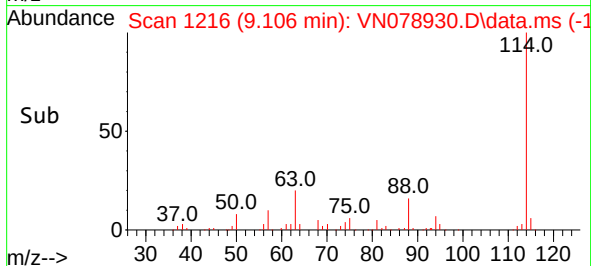
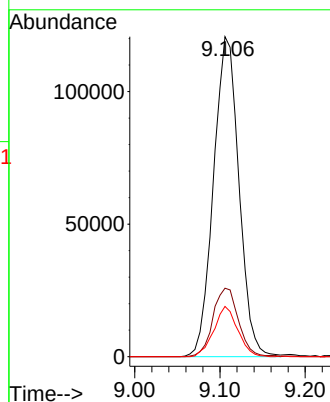
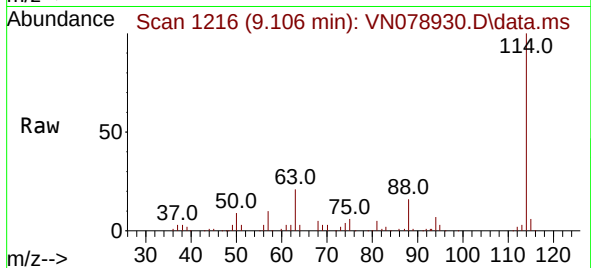
Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.2
88	14.7	12.0	18.0

Manual Integrations

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#30

2-Butanone

Concen: 30.088 ug/l

RT: 7.500 min Scan# 943

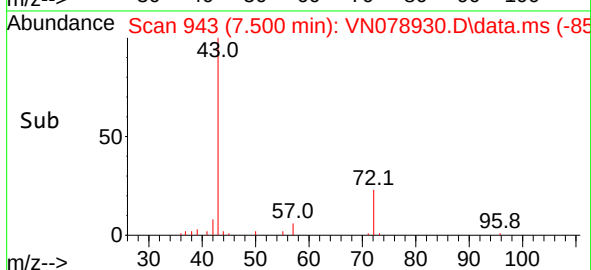
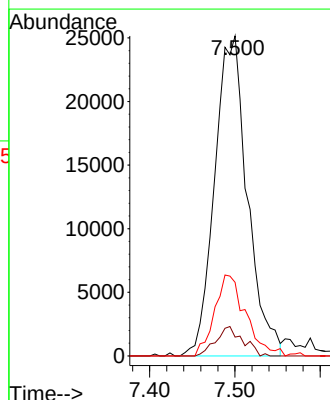
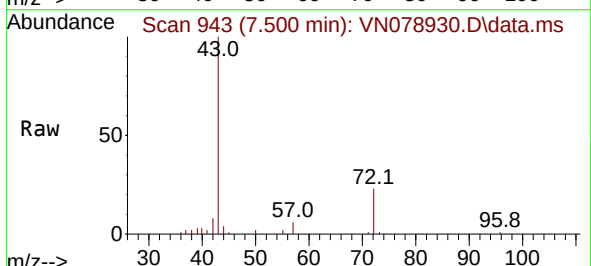
Delta R.T. 0.006 min

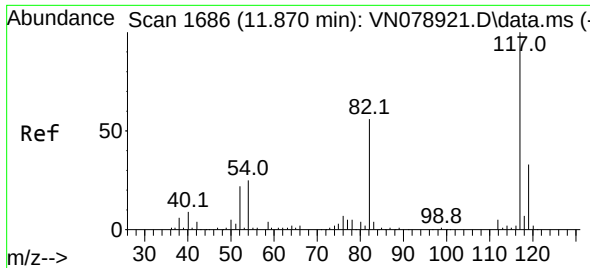
Lab File: VN078930.D

Acq: 17 Aug 2023 17:05

Tgt Ion: 43 Resp: 67106

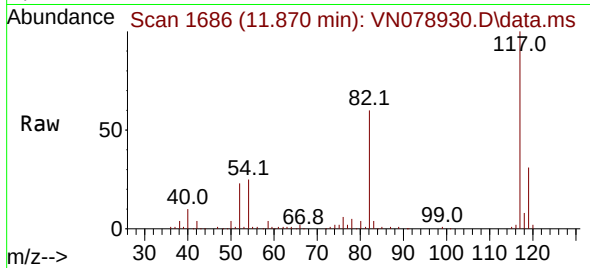
Ion	Ratio	Lower	Upper
43	100		
57	6.5	6.2	9.4
72	23.7	19.4	29.2





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

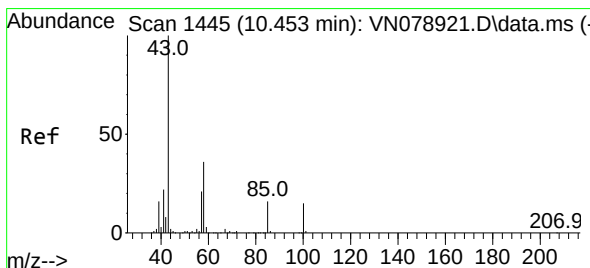
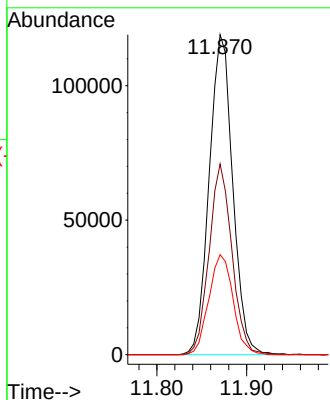
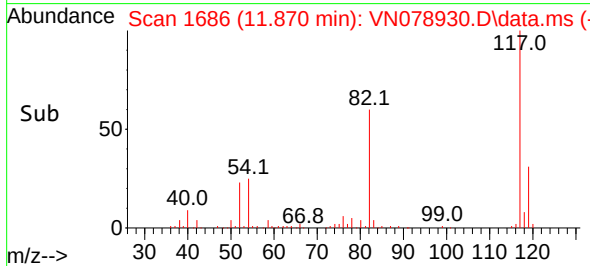
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)



Tgt Ion: 117 Resp: 21644
Ion Ratio Lower Upper
117 100
82 58.0 43.4 65.0
119 32.2 25.5 38.3

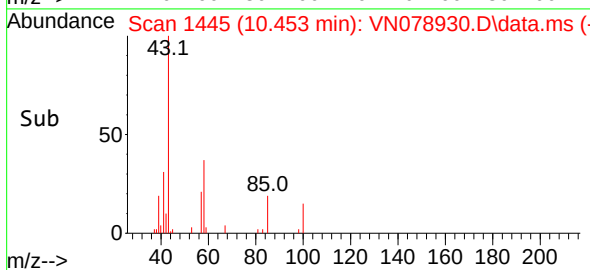
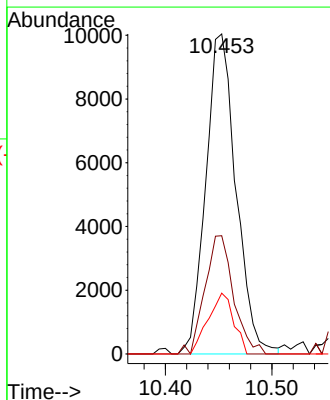
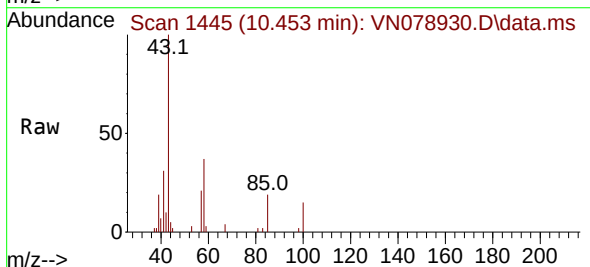
Manual Integrations
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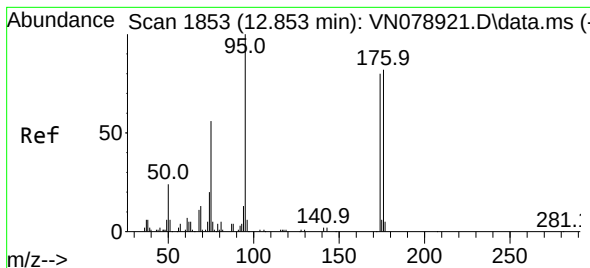
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#58
4-Methyl-2-Pentanone
Concen: 4.614 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

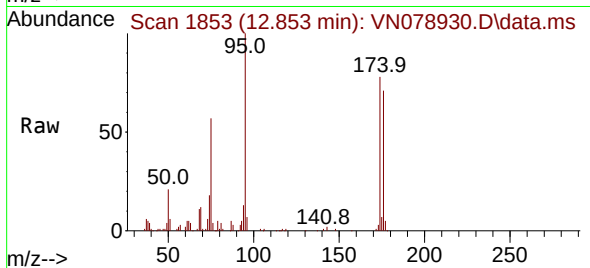
Tgt Ion: 43 Resp: 19814
Ion Ratio Lower Upper
43 100
58 34.4 28.8 43.2
85 16.0 12.7 19.1





#60
4-Bromofluorobenzene
Concen: 25.938 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

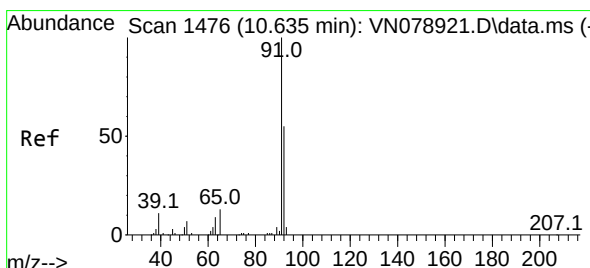
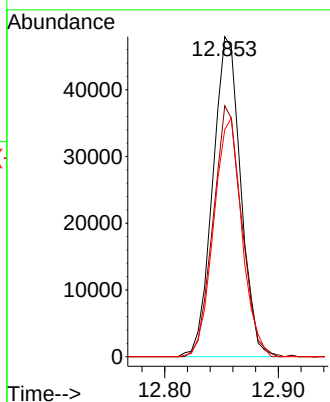
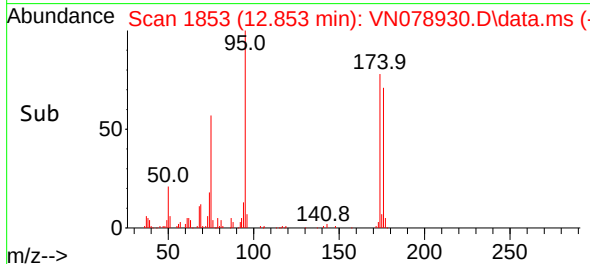
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)



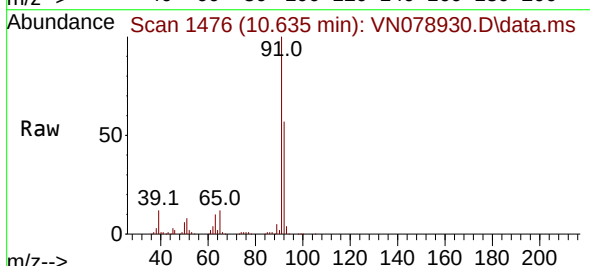
Tgt Ion: 95 Resp: 8189
Ion Ratio Lower Upper
95 100
174 79.7 64.8 97.2
176 75.3 63.0 94.6

Manual Integrations
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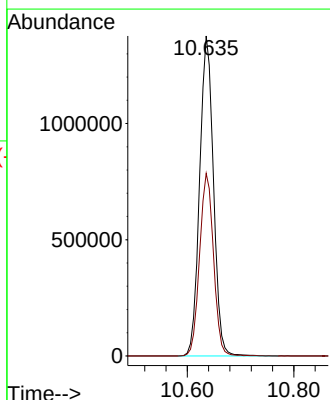
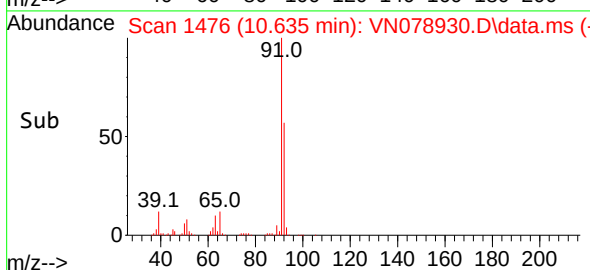
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

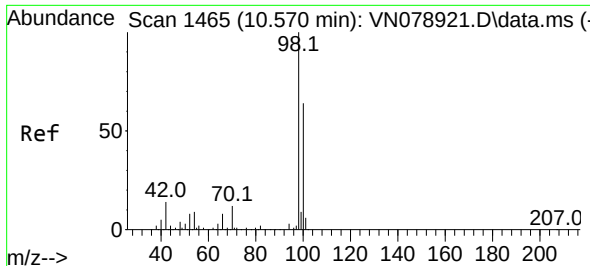


#62
Toluene
Concen: 209.712 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05



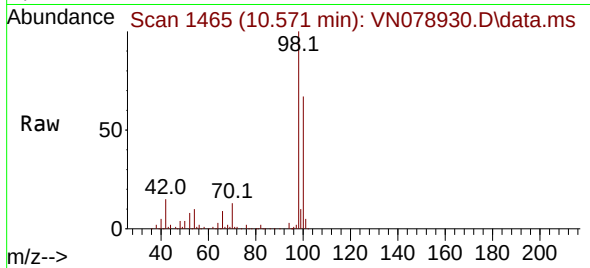
Tgt Ion: 91 Resp: 2478099
Ion Ratio Lower Upper
91 100
92 57.3 44.7 67.1





#63
Toluene-d8
Concen: 29.737 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

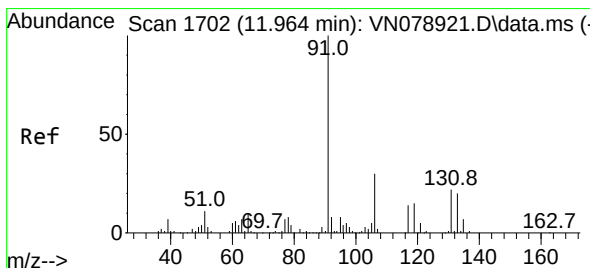
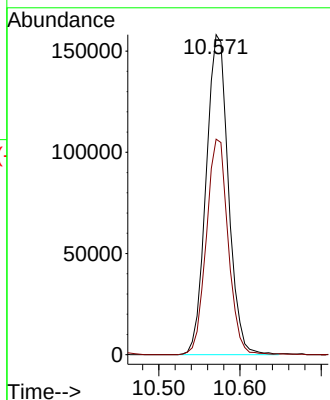
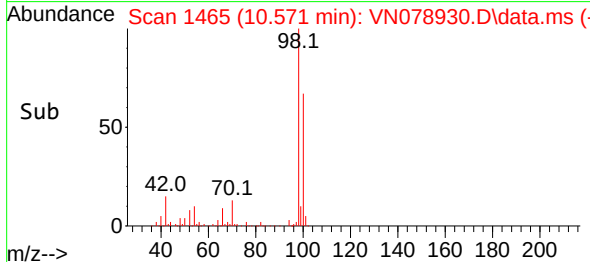
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)



Tgt Ion: 98 Resp: 30057
Ion Ratio Lower Upper
98 100
100 66.0 51.1 76.7

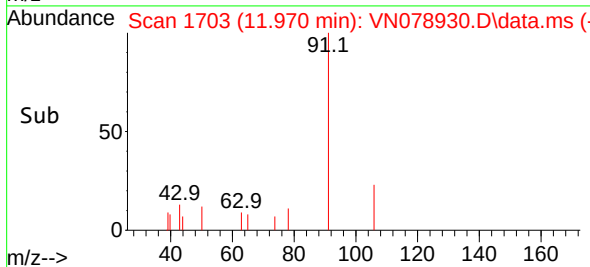
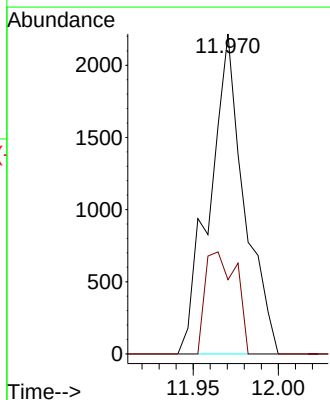
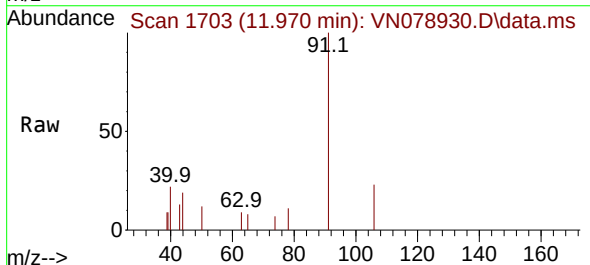
Manual Integrations
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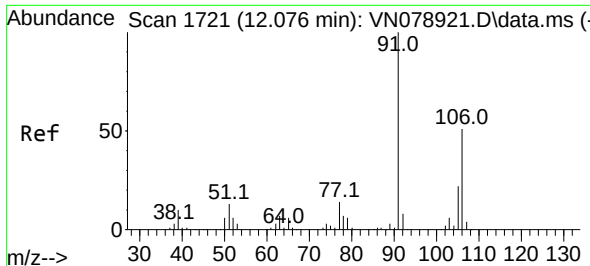
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#66
Ethyl Benzene
Concen: 0.253 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

Tgt Ion: 91 Resp: 3129
Ion Ratio Lower Upper
91 100
106 23.2 24.1 36.1#





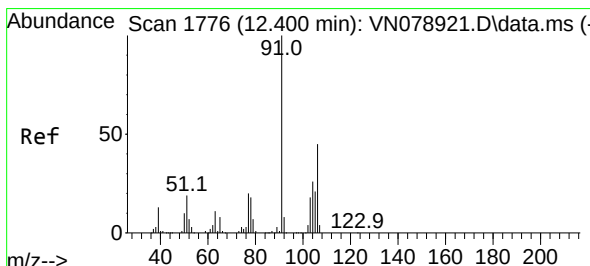
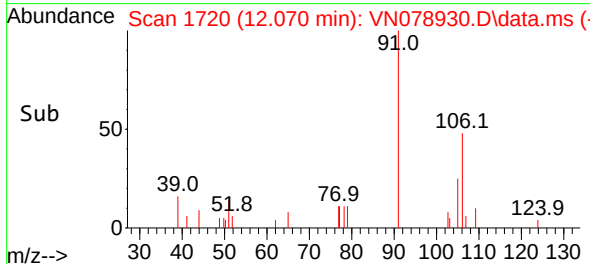
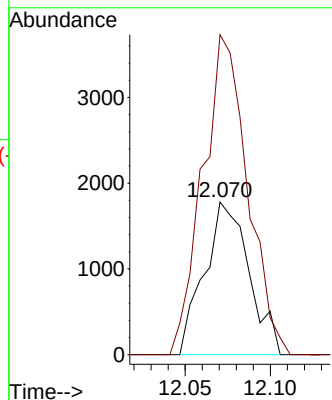
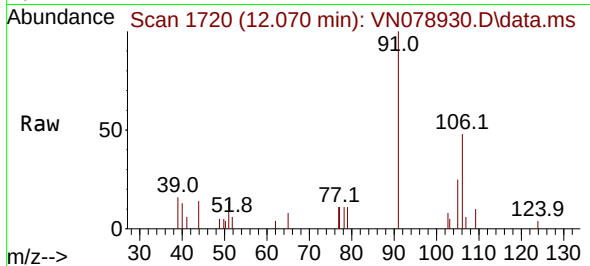
#67
m/p-Xylenes
Concen: 0.702 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

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

Tgt Ion:106 Resp: 323
Ion Ratio Lower Upper
106 100
91 211.1 161.2 241.8

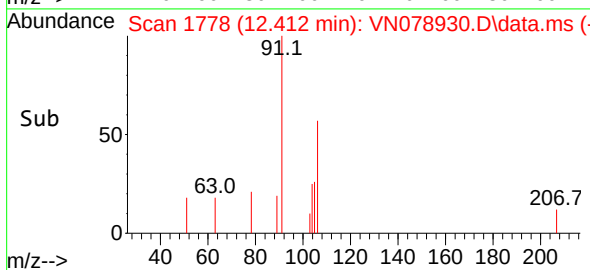
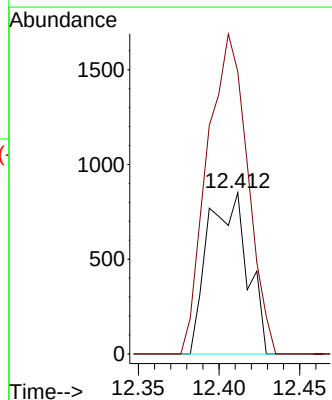
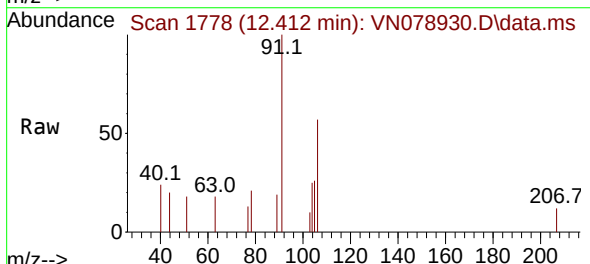
Manual Integrations
APPROVED

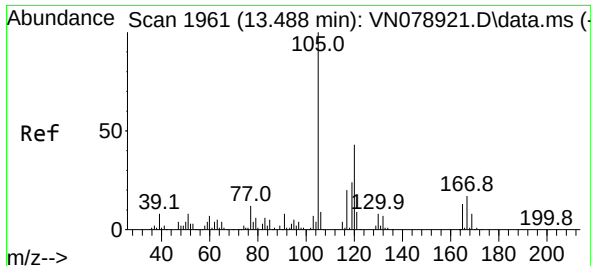
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#68
o-Xylene
Concen: 0.320 ug/l m
RT: 12.412 min Scan# 1778
Delta R.T. 0.012 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

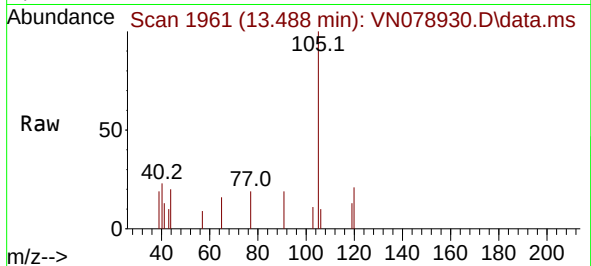
Tgt Ion:106 Resp: 1452
Ion Ratio Lower Upper
106 100
91 470.0 109.0 327.0#





#80
1,2,4-Trimethylbenzene
Concen: 0.424 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05

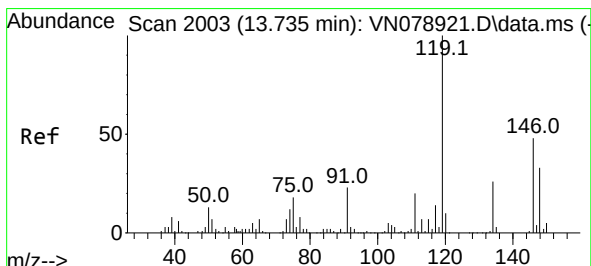
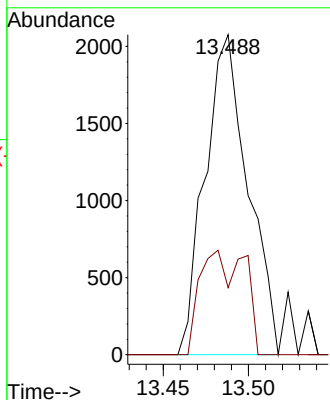
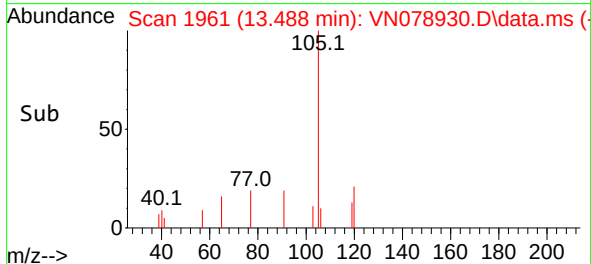
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUN)



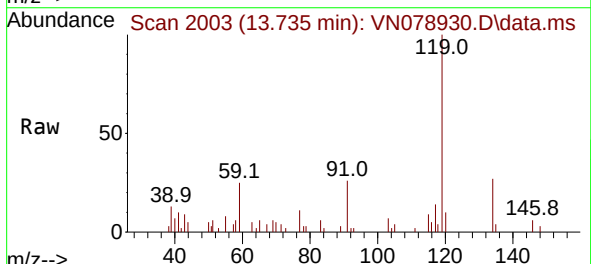
Tgt Ion:105 Resp: 364
Ion Ratio Lower Upper
105 100
120 21.6 0.0 91.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#82
p-Isopropyltoluene
Concen: 1.648 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078930.D
Acq: 17 Aug 2023 17:05



Tgt Ion:119 Resp: 13093
Ion Ratio Lower Upper
119 100
134 27.4 0.0 52.4
91 28.2 0.0 47.4

