

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
 Data File : VN078816.D
 Acq On : 09 Aug 2023 13:31
 Operator : JC\MD
 Sample : 03940-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 10 05:28:29 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	31850	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	166113	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	144374	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	75860	29.584	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.600%	
60) 4-Bromofluorobenzene	12.859	95	45708	22.555	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	75.167%	
63) Toluene-d8	10.576	98	208931	29.532	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.433%	
Target Compounds						Qvalue
15) Acetone	4.442	58	159118	607.915	ug/l	85
25) Chloroform	7.977	83	3124m	0.793	ug/l	
30) 2-Butanone	7.506	43	39904m	30.167	ug/l	
58) 4-Methyl-2-Pentanone	10.447	43	7438	2.680	ug/l #	87
62) Toluene	10.635	91	1966484	231.356	ug/l	98
82) p-Isopropyltoluene	13.735	119	6480	1.192	ug/l	92

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

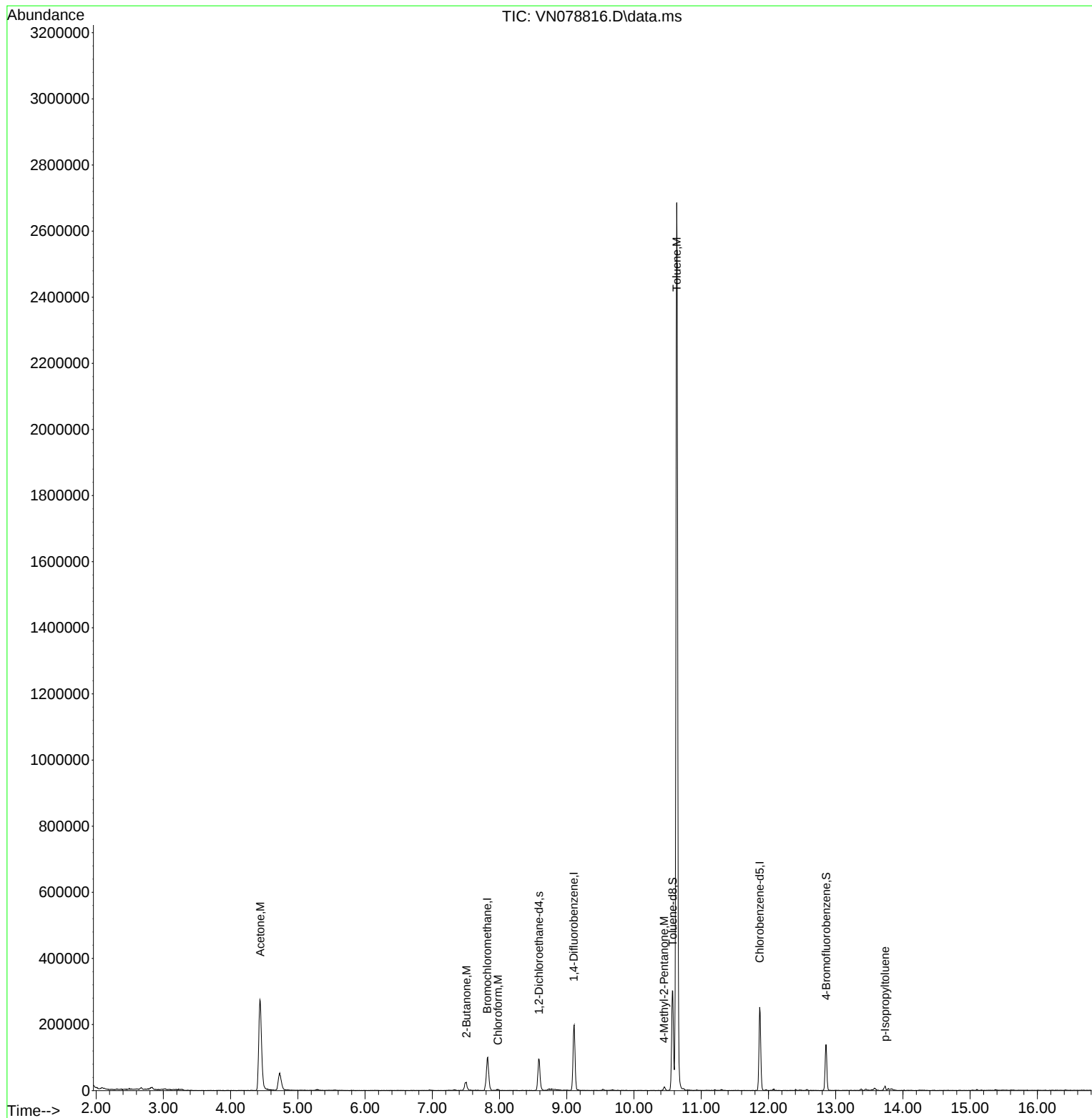
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
Data File : VN078816.D
Acq On : 09 Aug 2023 13:31
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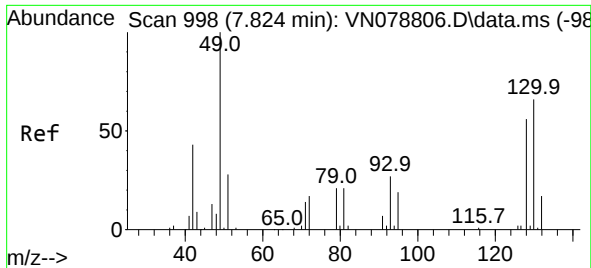
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Aug 10 05:28:29 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
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APPROVED

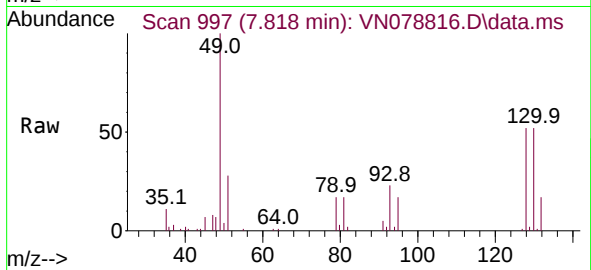
Reviewed By : John Carlone 08/10/2023
Supervised By : Mahesh Dadoda 08/10/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

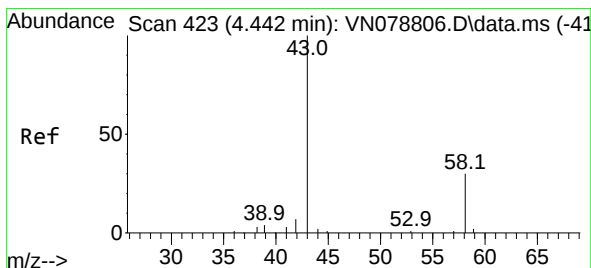
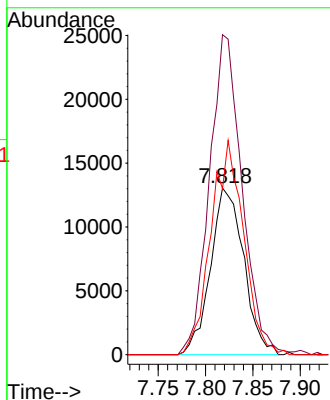
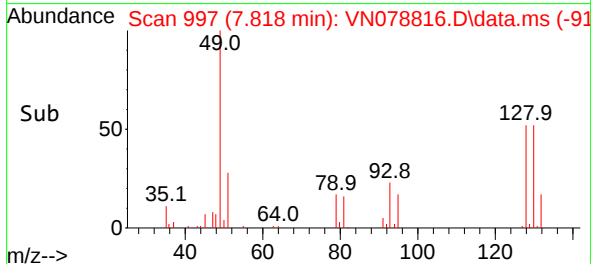
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



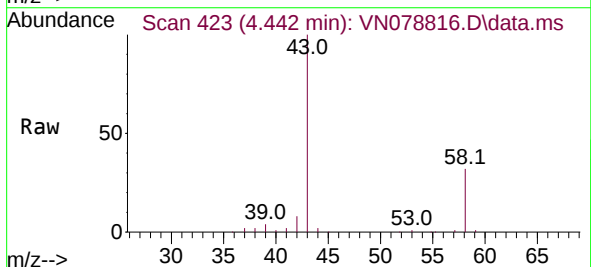
Tgt Ion:128 Resp: 31850
Ion Ratio Lower Upper
128 100
49 188.3 0.0 370.8
130 126.5 0.0 307.0

Manual Integrations
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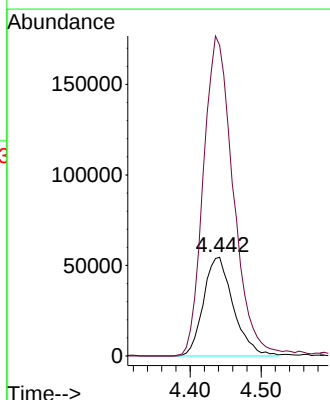
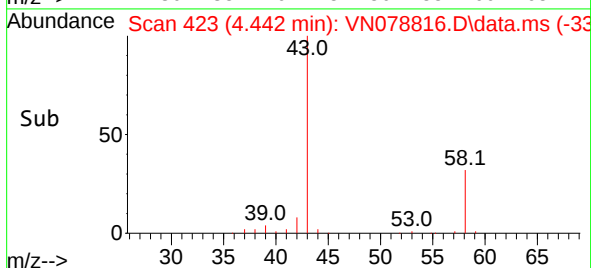
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

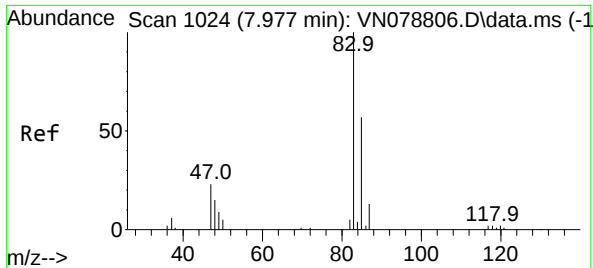


#15
Acetone
Concen: 607.915 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31



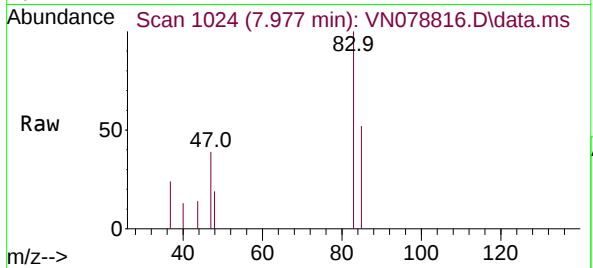
Tgt Ion: 58 Resp: 159118
Ion Ratio Lower Upper
58 100
43 313.5 227.5 341.3





#25
Chloroform
Concen: 0.793 ug/l m
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

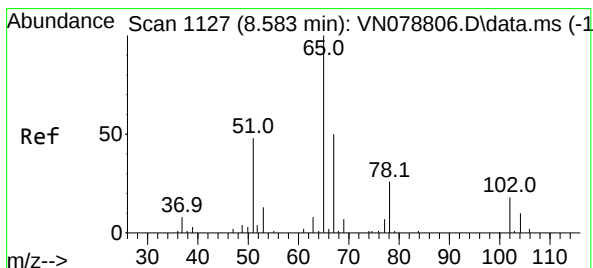
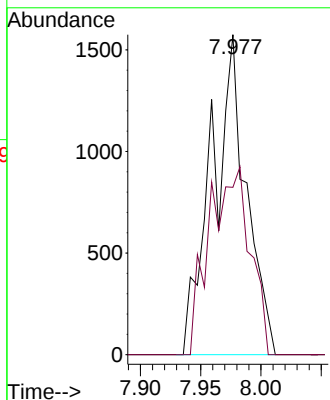
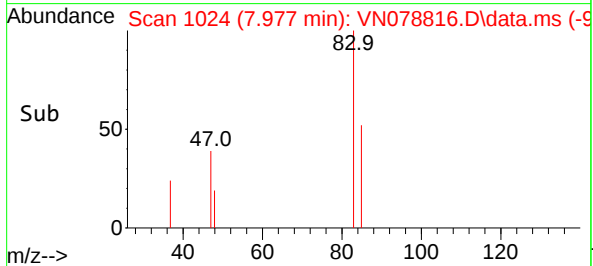
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



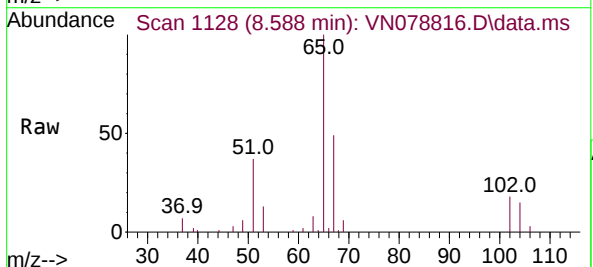
Tgt Ion: 83 Resp: 3124
Ion Ratio Lower Upper
83 100
85 52.3 53.4 80.0

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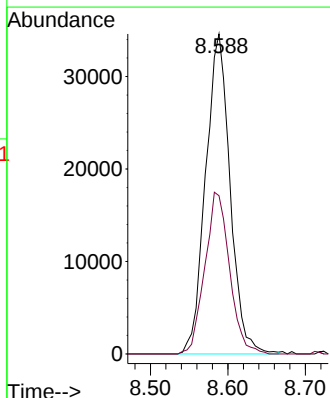
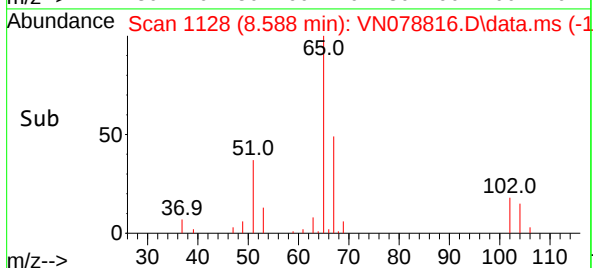
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

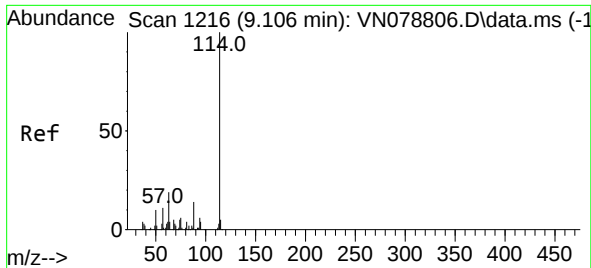


#27
1,2-Dichloroethane-d4
Concen: 29.584 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31



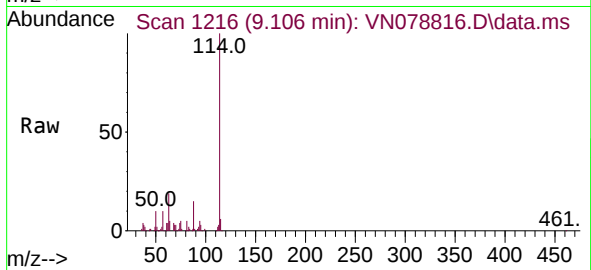
Tgt Ion: 65 Resp: 75860
Ion Ratio Lower Upper
65 100
67 51.0 42.9 64.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

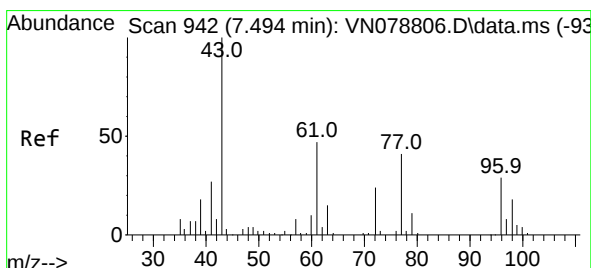
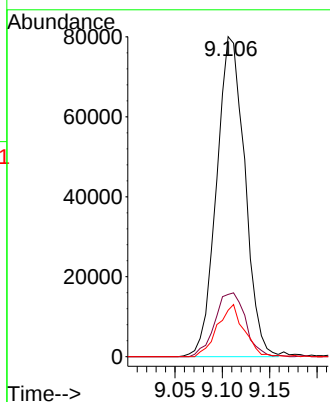
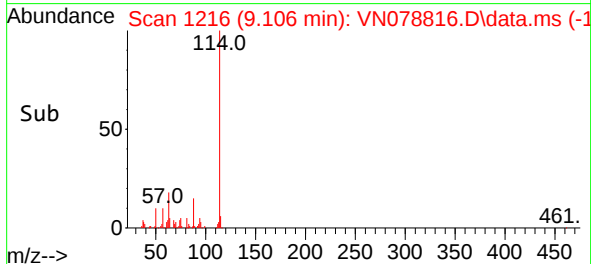
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:114 Resp: 16611
Ion Ratio Lower Upper
114 100
63 21.6 15.2 22.8
88 15.4 12.5 18.7

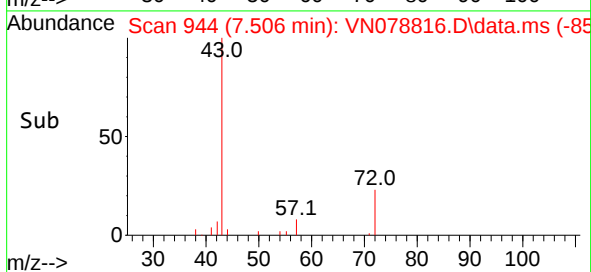
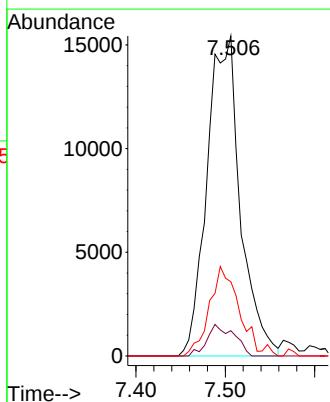
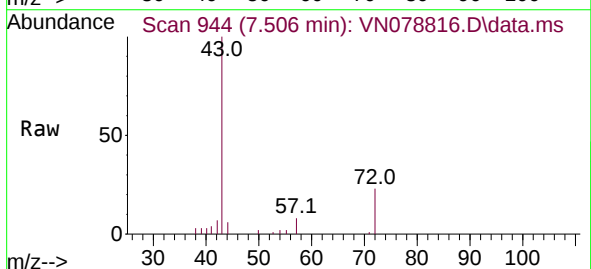
Manual Integrations
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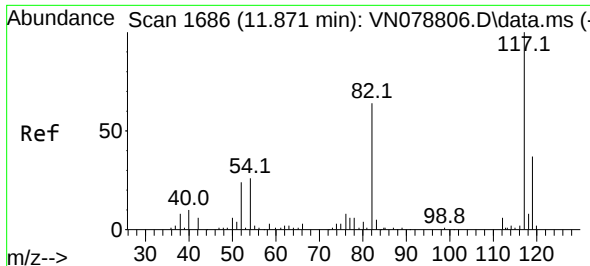
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#30
2-Butanone
Concen: 30.167 ug/l m
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

Tgt Ion: 43 Resp: 39904
Ion Ratio Lower Upper
43 100
57 5.3 6.8 10.2#
72 24.4 23.8 35.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078816.D

Acq: 09 Aug 2023 13:31

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:117 Resp: 144374

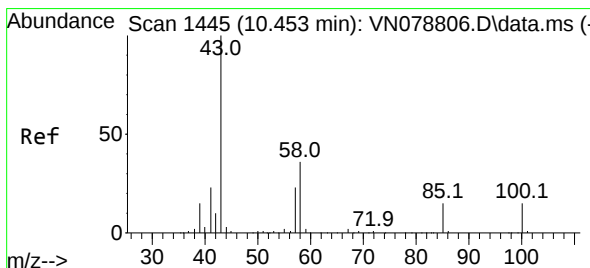
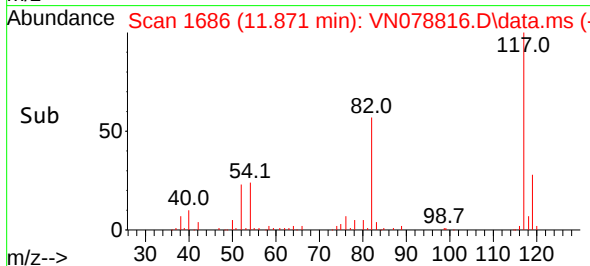
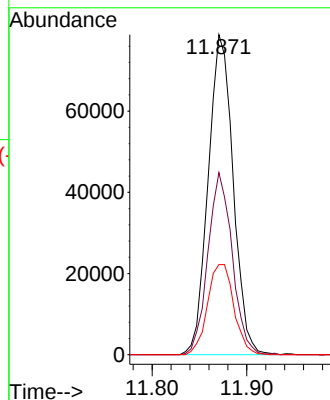
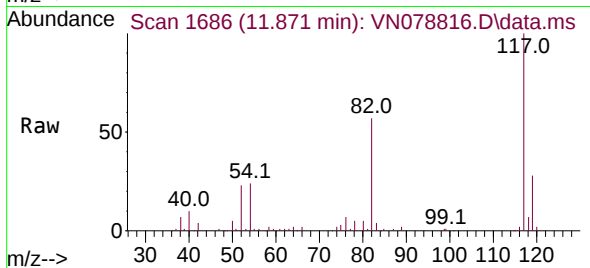
Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.9	65.9
119	29.8	26.2	39.4

Manual Integrations

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Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#58

4-Methyl-2-Pentanone

Concen: 2.680 ug/l

RT: 10.447 min Scan# 1444

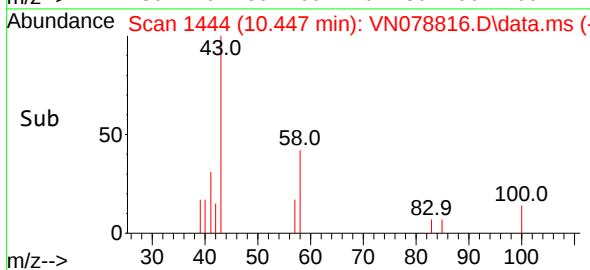
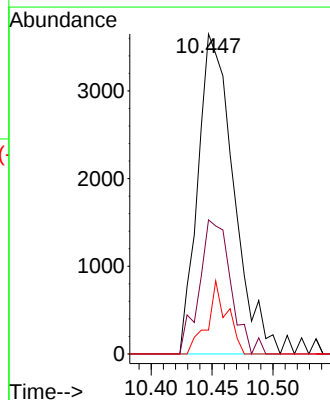
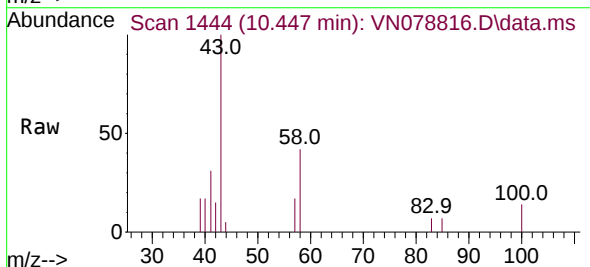
Delta R.T. -0.006 min

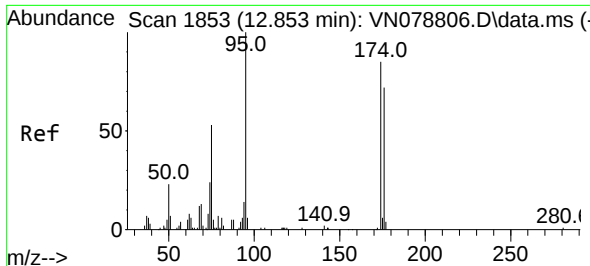
Lab File: VN078816.D

Acq: 09 Aug 2023 13:31

Tgt Ion: 43 Resp: 7438

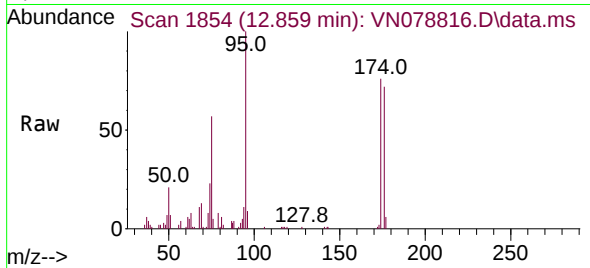
Ion	Ratio	Lower	Upper
43	100		
58	36.2	32.6	48.8
85	9.2	16.2	24.2





#60
4-Bromofluorobenzene
Concen: 22.555 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

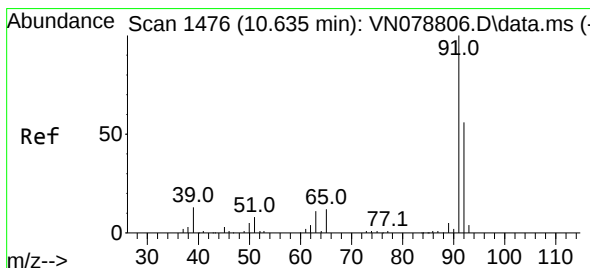
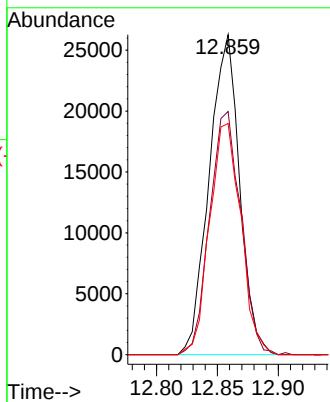
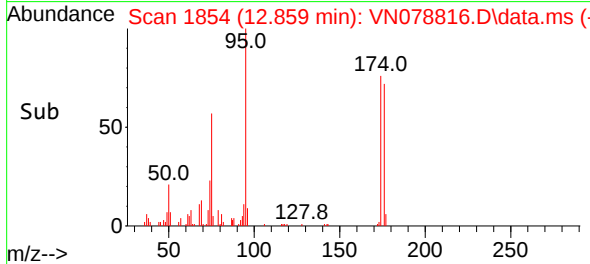
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 95 Resp: 45708
Ion Ratio Lower Upper
95 100
174 77.8 61.7 92.5
176 74.2 58.1 87.1

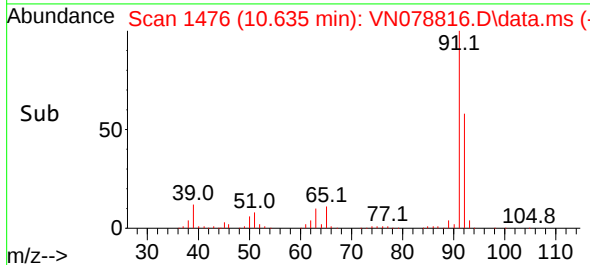
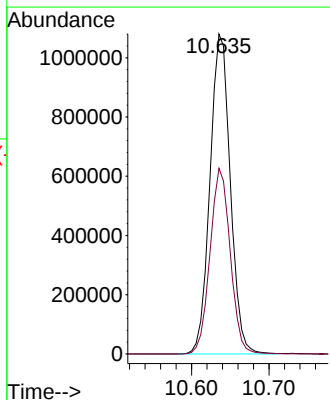
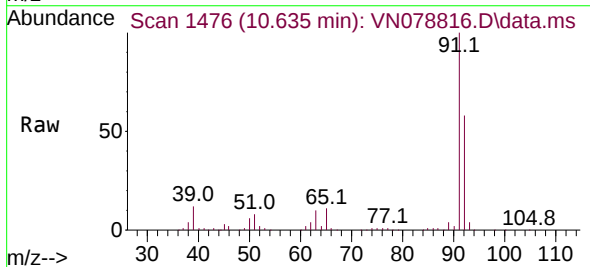
Manual Integrations
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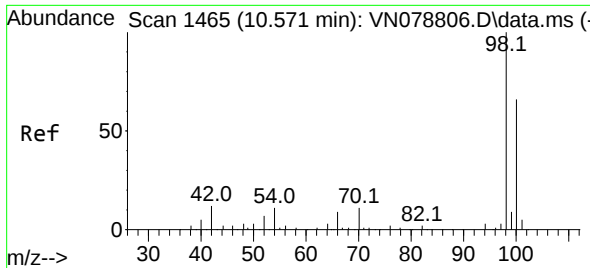
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#62
Toluene
Concen: 231.356 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

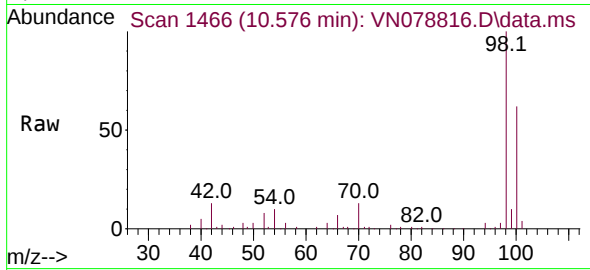
Tgt Ion: 91 Resp: 1966484
Ion Ratio Lower Upper
91 100
92 57.8 45.2 67.8





#63
Toluene-d8
Concen: 29.532 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31

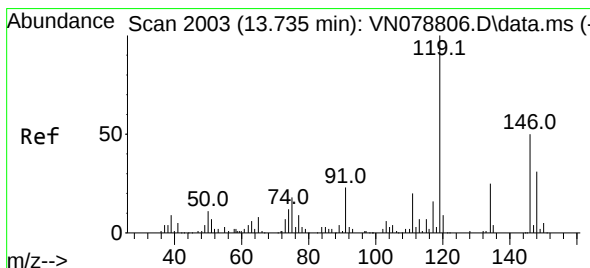
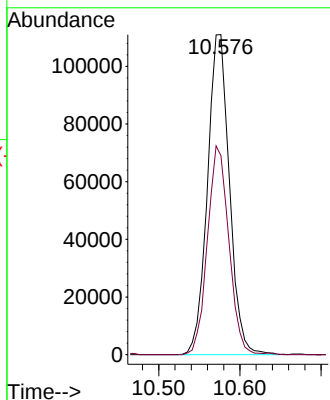
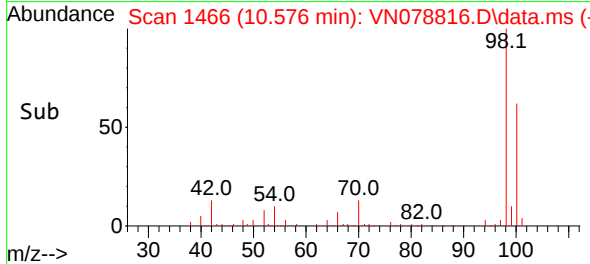
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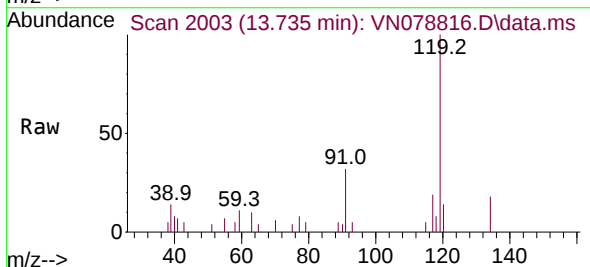
Tgt Ion: 98 Resp: 20893
Ion Ratio Lower Upper
98 100
100 63.5 49.7 74.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#82
p-Isopropyltoluene
Concen: 1.192 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN078816.D
Acq: 09 Aug 2023 13:31



Tgt Ion:119 Resp: 6480
Ion Ratio Lower Upper
119 100
134 24.4 0.0 52.4
91 30.0 0.0 48.2

