

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078866.D
 Acq On : 11 Aug 2023 16:27
 Operator : JC\MD
 Sample : 03988-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(AUG)DL

Quant Time: Aug 12 01:42:17 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 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

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

Internal Standards						
1) Bromochloromethane	7.830	128	26675m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	139512m	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	110794	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	69609	32.413	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.033%			
60) 4-Bromofluorobenzene	12.853	95	32997	21.217	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 70.733%			
63) Toluene-d8	10.571	98	166801	30.723	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.400%			
Target Compounds						
15) Acetone	4.442	58	16725	76.295	ug/l	Qvalue 94
30) 2-Butanone	7.500	43	6008m	5.408	ug/l	
62) Toluene	10.635	91	185970	28.511	ug/l	100

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

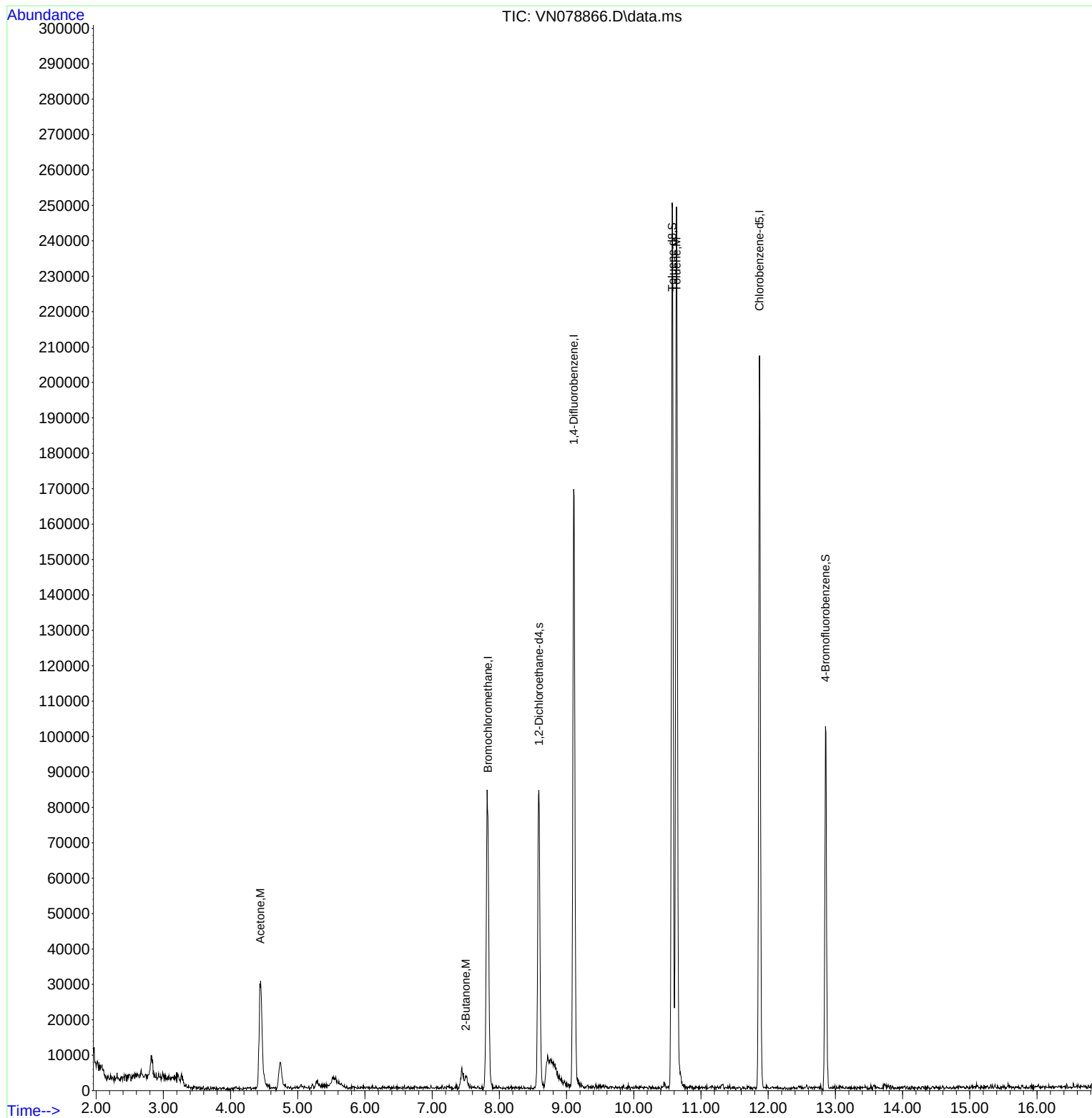
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
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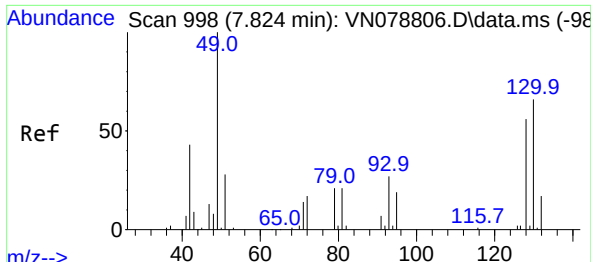
Instrument :
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ClientSampleId :
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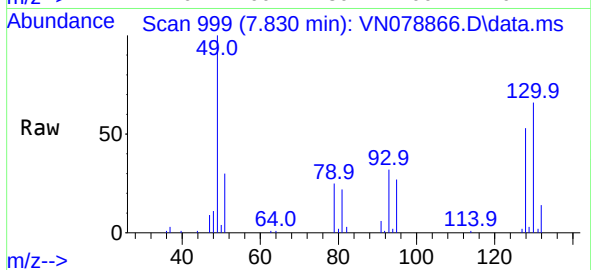
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023





#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

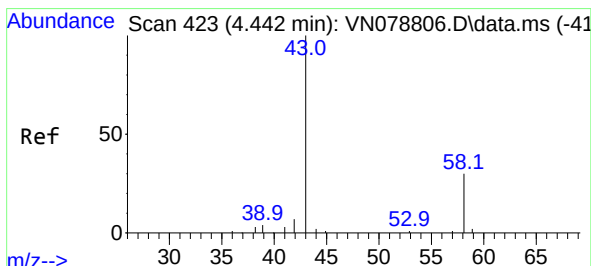
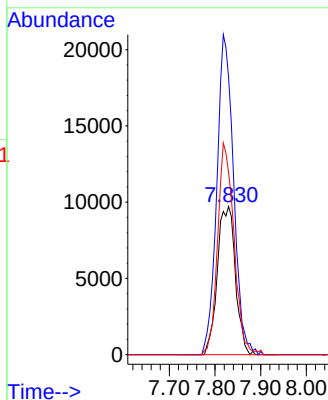
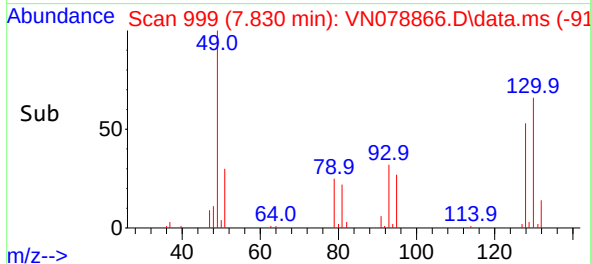
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)DL



Tgt Ion:128 Resp: 2667
Ion Ratio Lower Upper
128 100
49 0.3 0.0 370.8
130 0.4 0.0 307.0

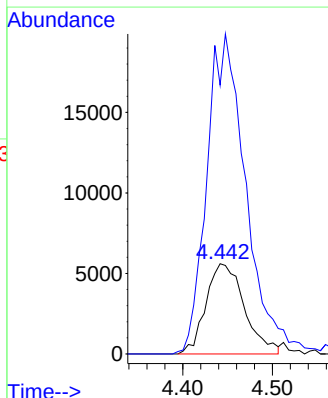
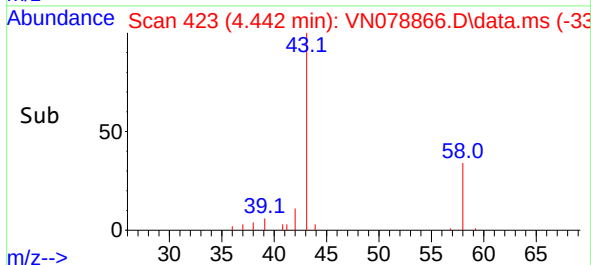
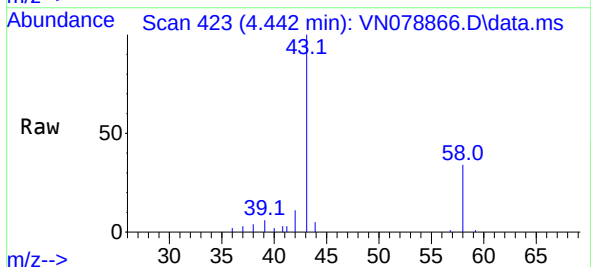
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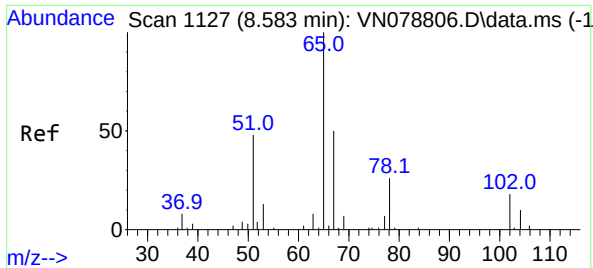
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#15
Acetone
Concen: 76.295 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

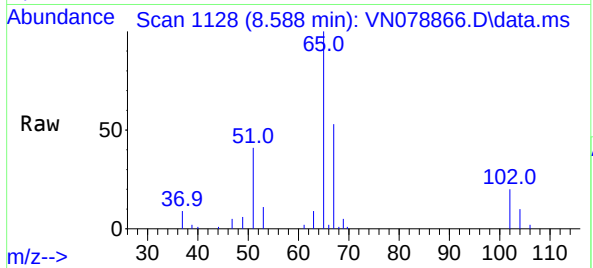
Tgt Ion: 58 Resp: 16725
Ion Ratio Lower Upper
58 100
43 295.0 227.5 341.3





#27
1,2-Dichloroethane-d4
Concen: 32.413 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

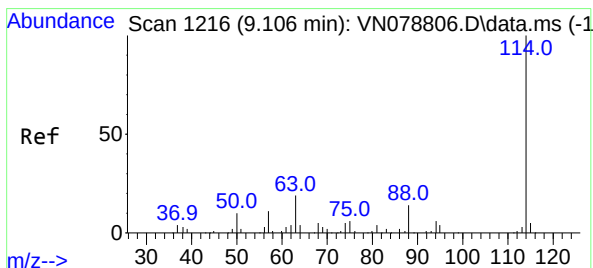
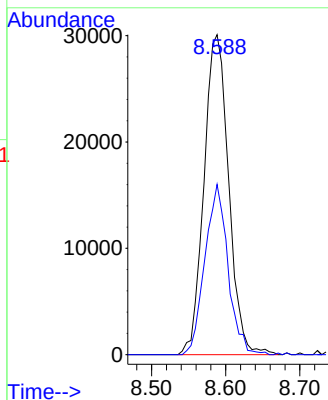
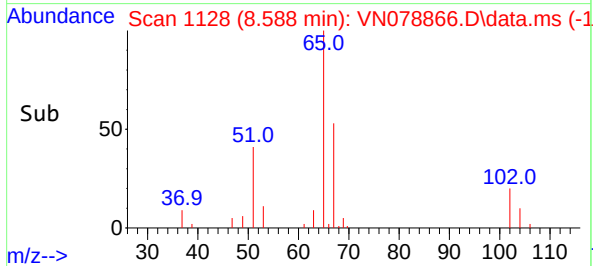
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)DL



Tgt Ion: 65 Resp: 69609
Ion Ratio Lower Upper
65 100
67 49.5 42.9 64.3

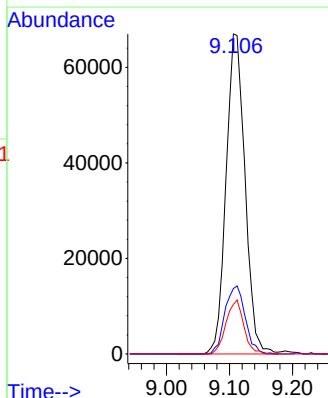
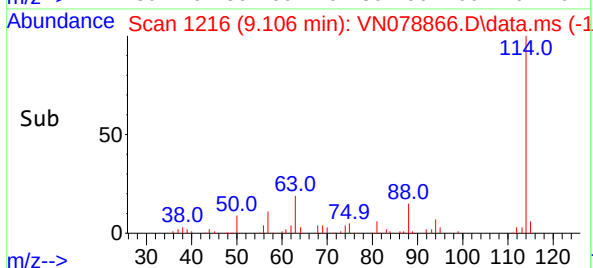
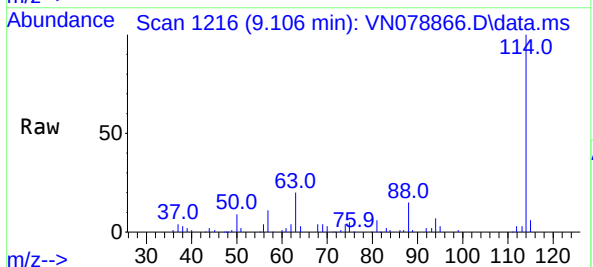
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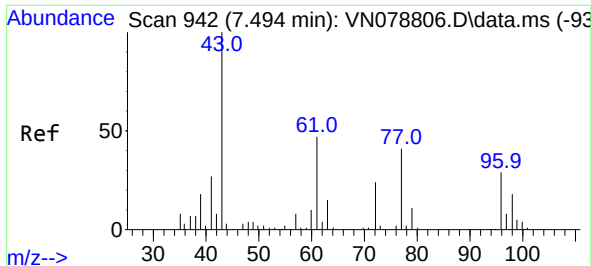
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l m
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

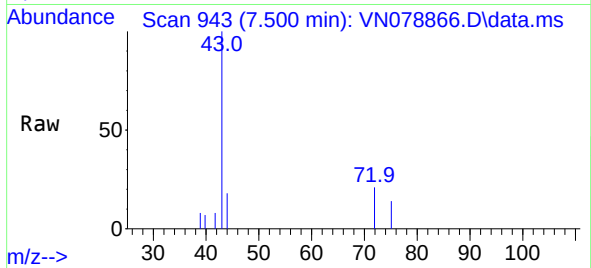
Tgt Ion:114 Resp: 139512
Ion Ratio Lower Upper
114 100
63 0.1 15.2 22.8#
88 0.0 12.5 18.7#





#30
2-Butanone
Concen: 5.408 ug/l m
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

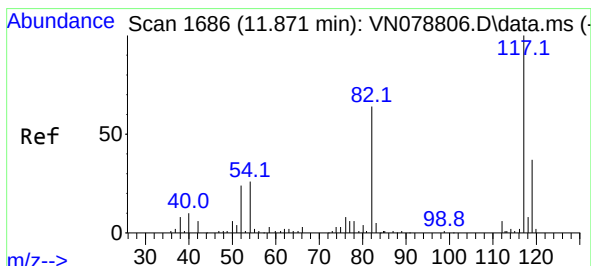
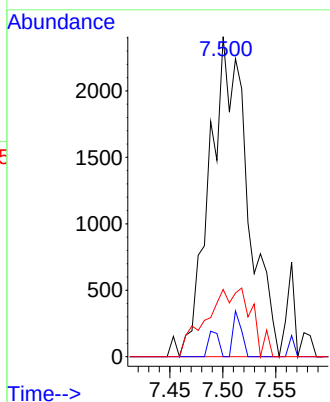
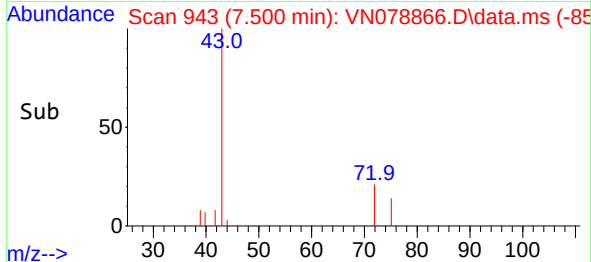
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)DL



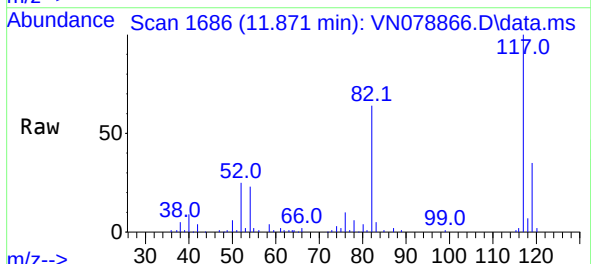
Tgt Ion: 43 Resp: 6008
Ion Ratio Lower Upper
43 100
57 3.2 6.8 10.2
72 10.0 23.8 35.6

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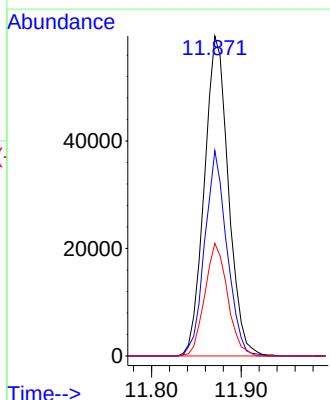
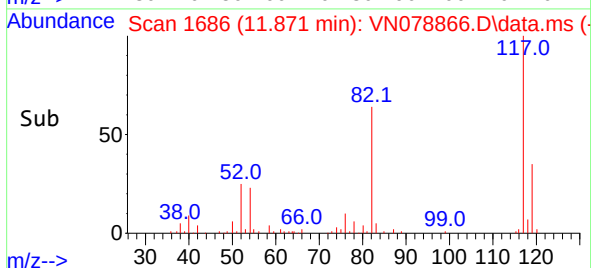
Reviewed By :John Carlone 08/14/2023
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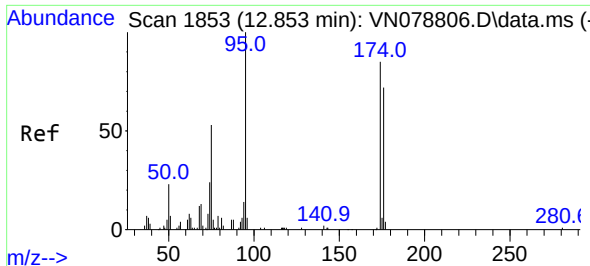


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27



Tgt Ion:117 Resp: 110794
Ion Ratio Lower Upper
117 100
82 59.2 43.9 65.9
119 33.3 26.2 39.4





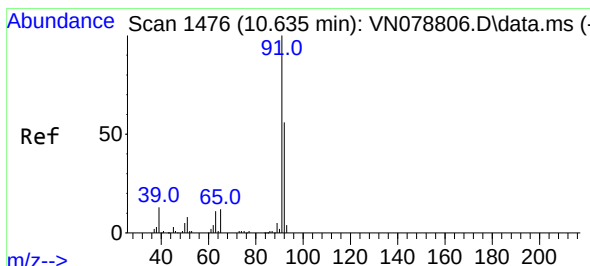
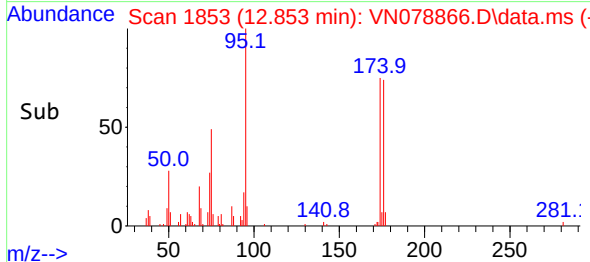
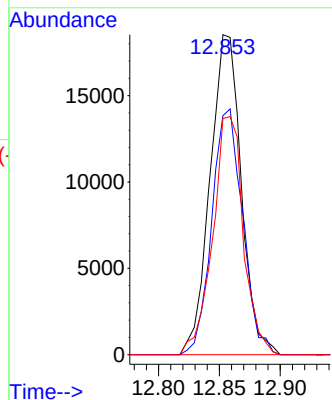
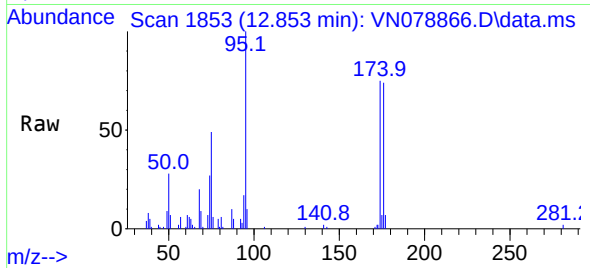
#60
4-Bromofluorobenzene
Concen: 21.217 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(AUG)DL

Tgt Ion: 95 Resp: 32997
Ion Ratio Lower Upper
95 100
174 76.0 61.7 92.5
176 73.1 58.1 87.1

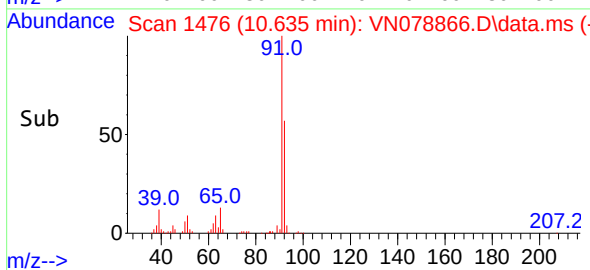
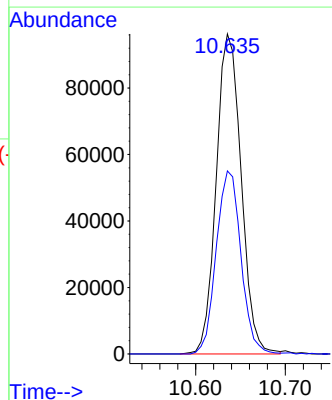
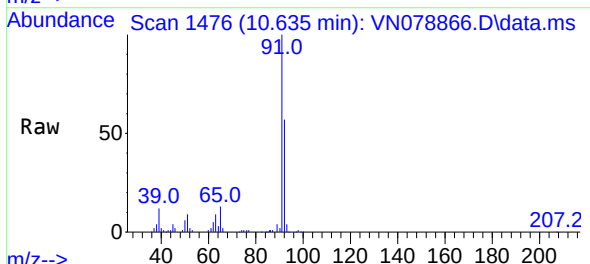
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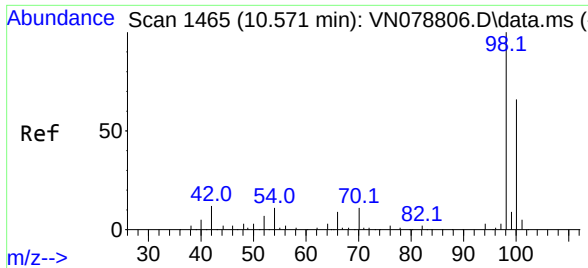
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#62
Toluene
Concen: 28.511 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

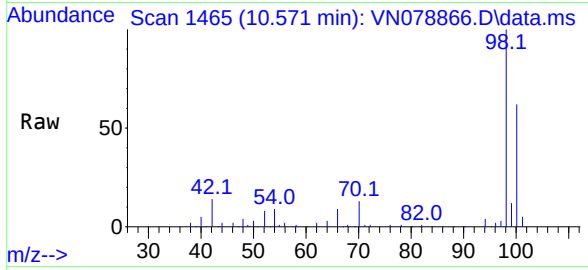
Tgt Ion: 91 Resp: 185970
Ion Ratio Lower Upper
91 100
92 56.6 45.2 67.8





#63
Toluene-d8
Concen: 30.723 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078866.D
Acq: 11 Aug 2023 16:27

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)DL



Tgt Ion: 98 Resp: 166800
Ion Ratio Lower Upper
98 100
100 63.6 49.7 74.5

Manual Integrations
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