

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078867.D
 Acq On : 11 Aug 2023 16:52
 Operator : JC\MD
 Sample : 03988-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(AUG)DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 12 01:42:34 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	26380	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	137806	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.877	117	115164	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	67639	31.848	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.167%			
60) 4-Bromofluorobenzene	12.859	95	33800	20.909	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 69.700%			
63) Toluene-d8	10.577	98	170305	30.178	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.600%			
Target Compounds						
15) Acetone	4.442	58	11119	51.289	ug/l	Qvalue 86
23) tert-Butyl Alcohol	5.530	59	2790m	8.924	ug/l	
30) 2-Butanone	7.494	43	4206m	3.833	ug/l	
62) Toluene	10.641	91	172366	25.422	ug/l	99

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

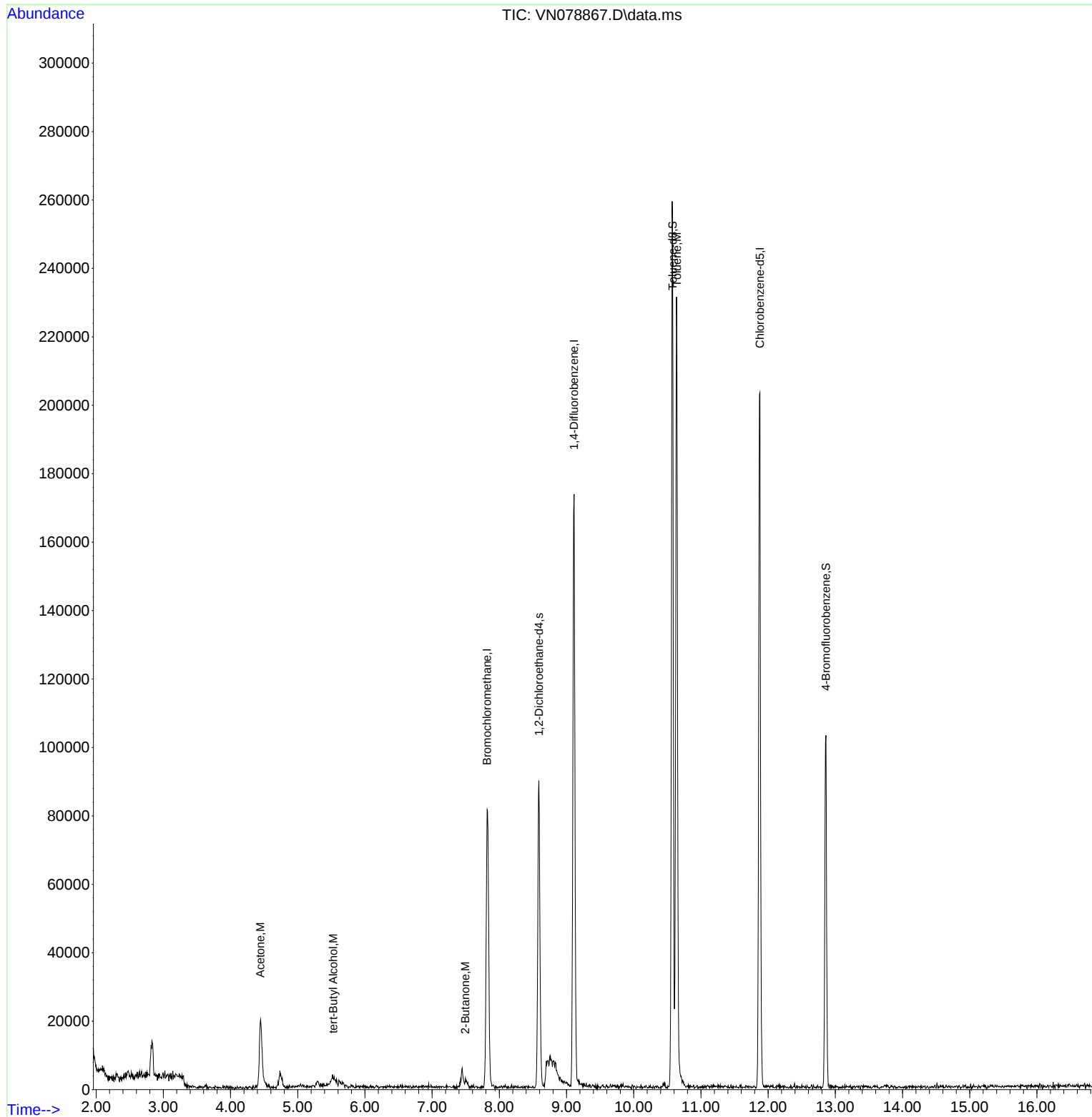
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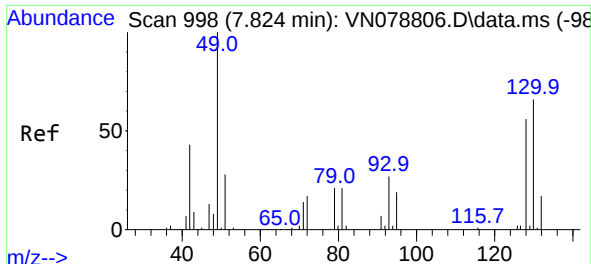
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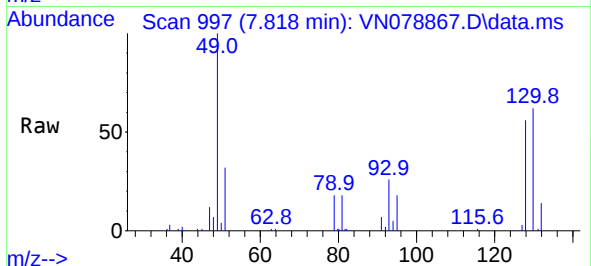
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

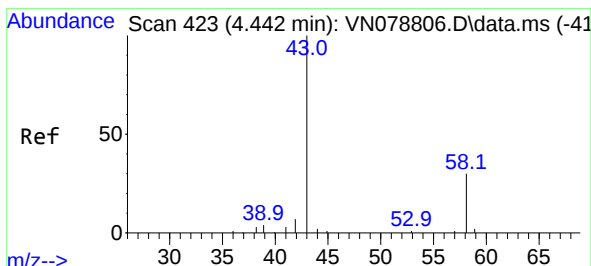
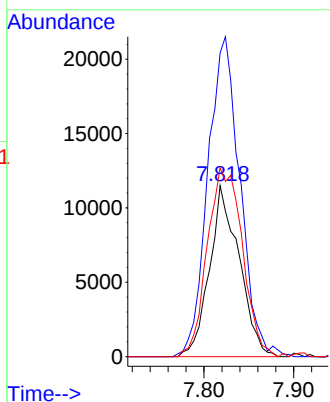
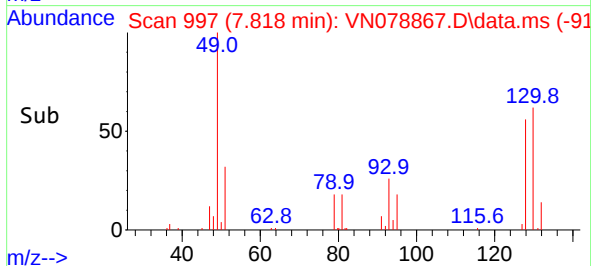
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ClientSampleId :
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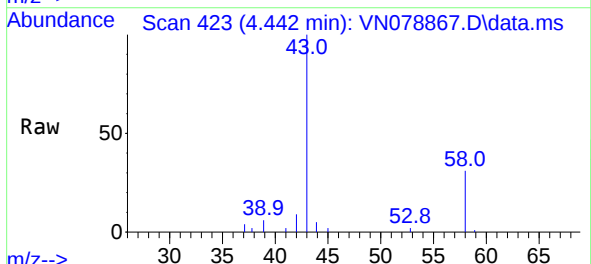
Tgt Ion:128 Resp: 26380
Ion Ratio Lower Upper
128 100
49 200.9 0.0 370.8
130 130.5 0.0 307.0

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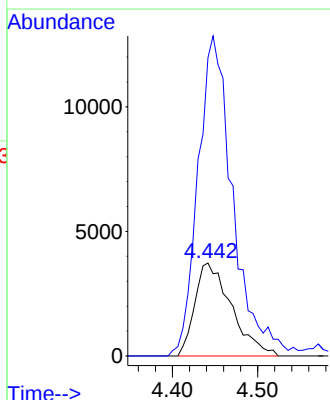
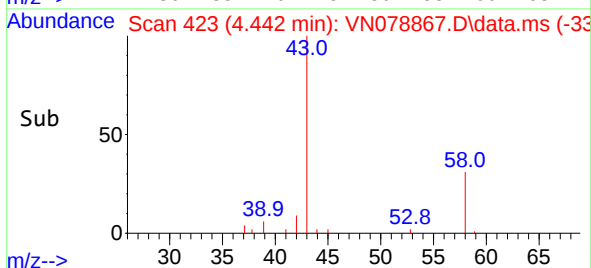
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

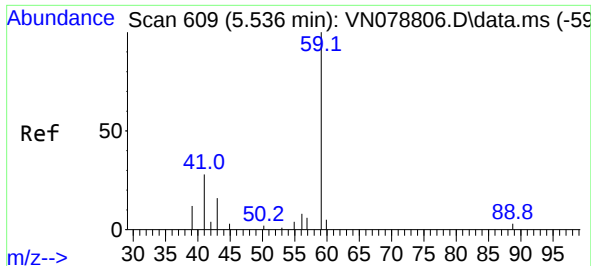


#15
Acetone
Concen: 51.289 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52



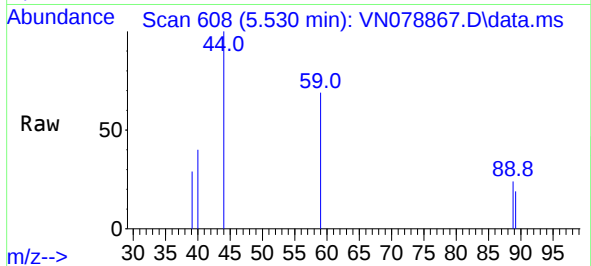
Tgt Ion: 58 Resp: 11119
Ion Ratio Lower Upper
58 100
43 311.1 227.5 341.3





#23
tert-Butyl Alcohol
Concen: 8.924 ug/l m
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

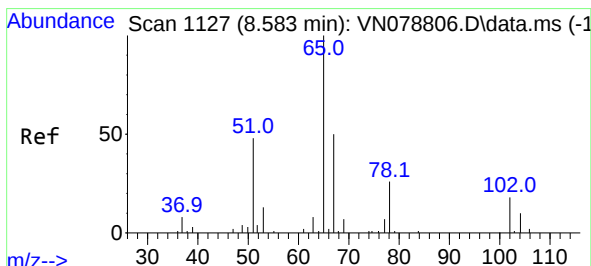
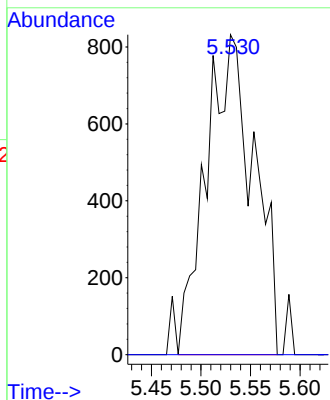
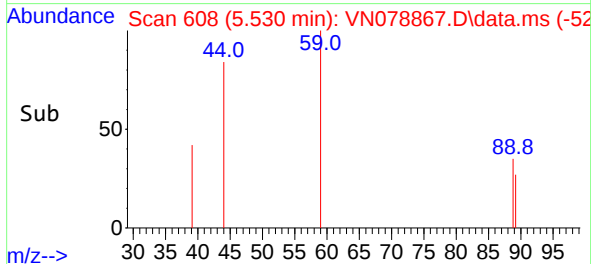
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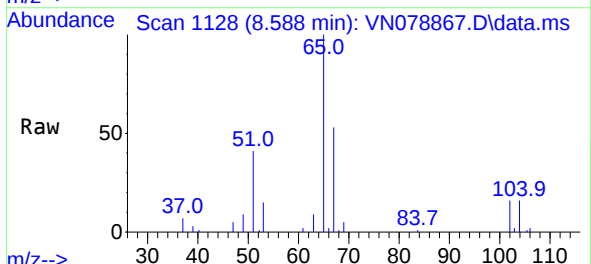
Tgt Ion: 59 Resp: 2790
Ion Ratio Lower Upper
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52 0.0 0.1 0.1

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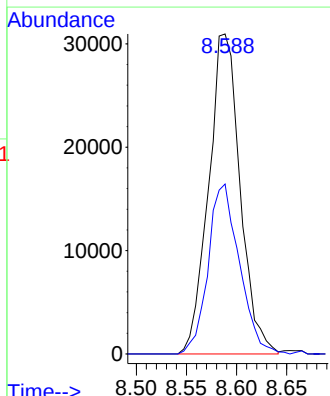
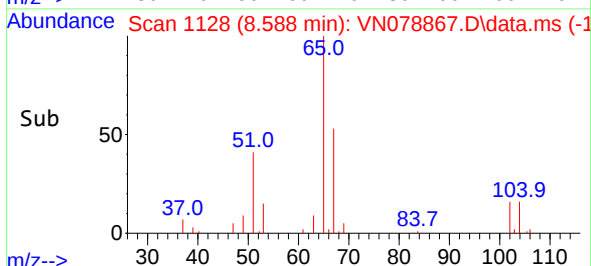
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

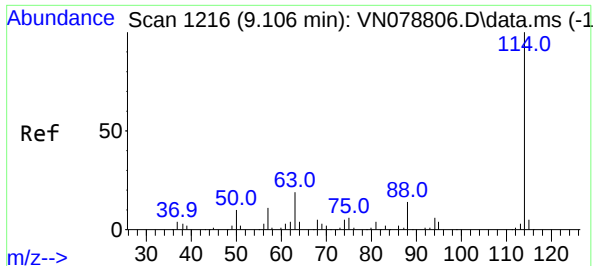


#27
1,2-Dichloroethane-d4
Concen: 31.848 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52



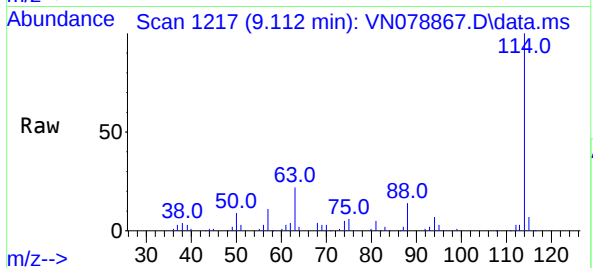
Tgt Ion: 65 Resp: 67639
Ion Ratio Lower Upper
65 100
67 52.7 42.9 64.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

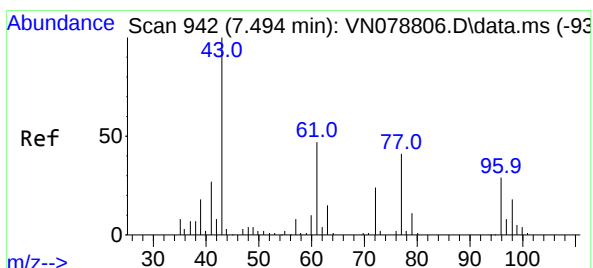
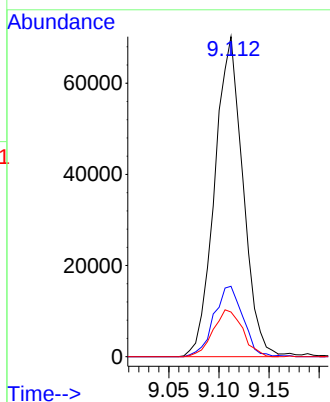
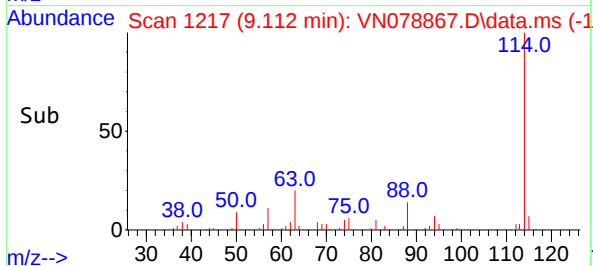
Instrument :
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Tgt Ion:114 Resp: 137800
Ion Ratio Lower Upper
114 100
63 22.5 15.2 22.8
88 15.3 12.5 18.7

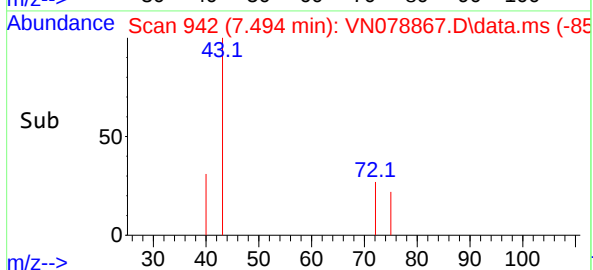
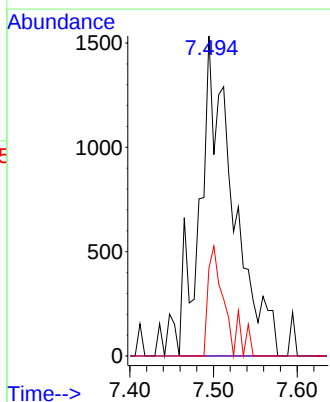
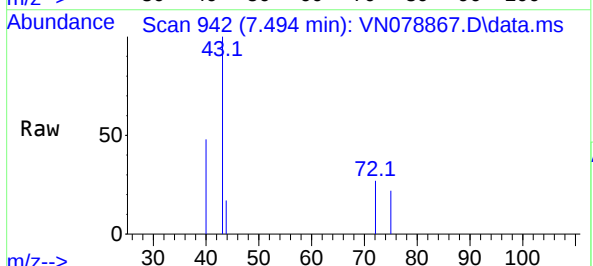
Manual Integrations
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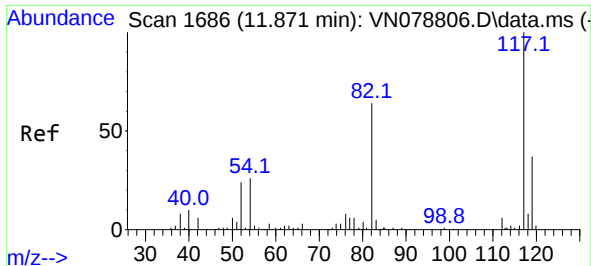
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#30
2-Butanone
Concen: 3.833 ug/l m
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

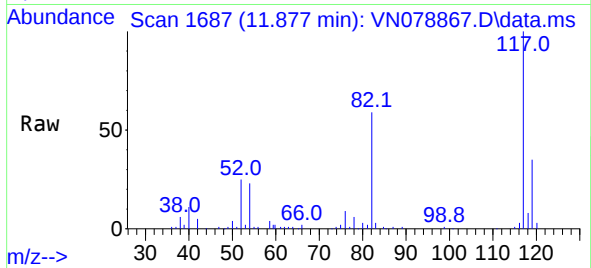
Tgt Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 14.7 23.8 35.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.877 min Scan# 115164
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

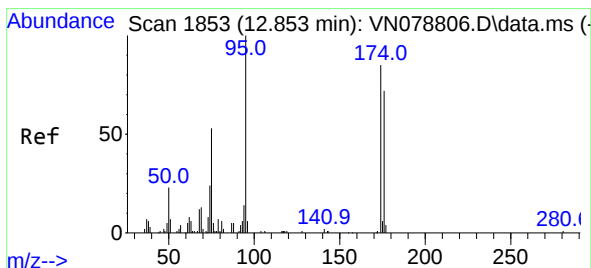
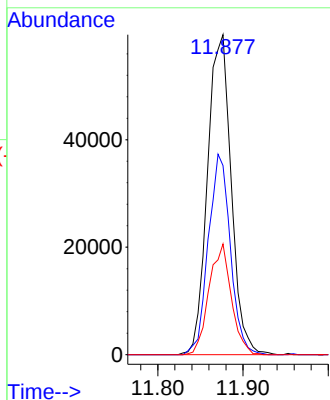
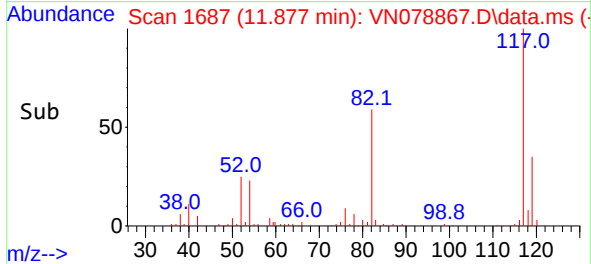
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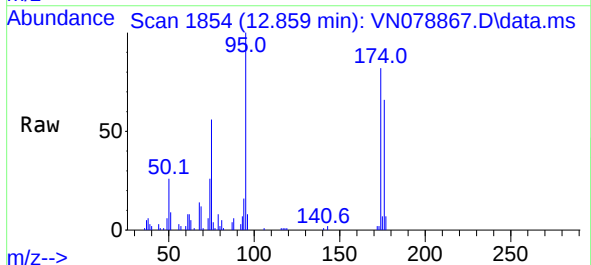
Tgt Ion: 117 Resp: 115164
Ion Ratio Lower Upper
117 100
82 58.3 43.9 65.9
119 32.5 26.2 39.4

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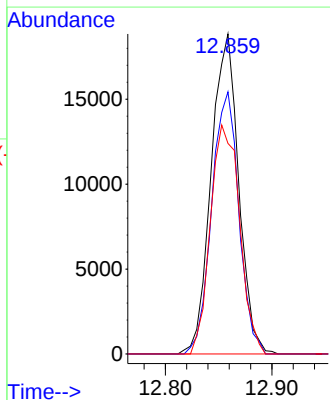
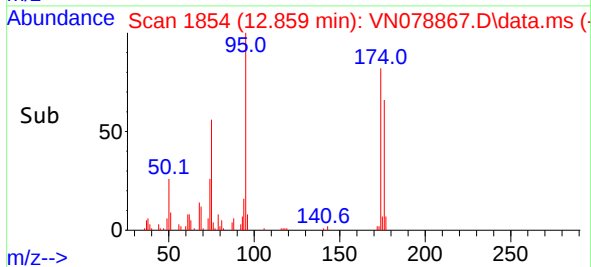
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

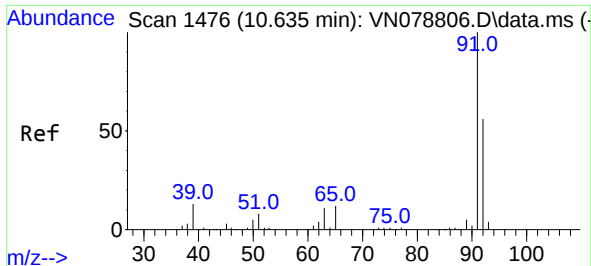


#60
4-Bromofluorobenzene
Concen: 20.909 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52



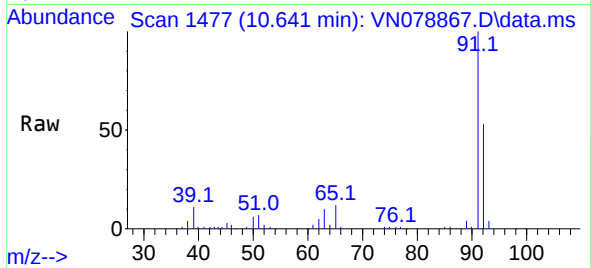
Tgt Ion: 95 Resp: 33800
Ion Ratio Lower Upper
95 100
174 80.7 61.7 92.5
176 75.8 58.1 87.1





#62
Toluene
Concen: 25.422 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

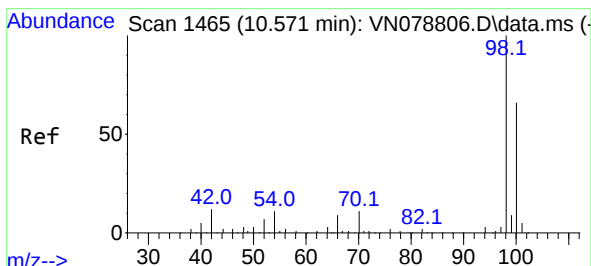
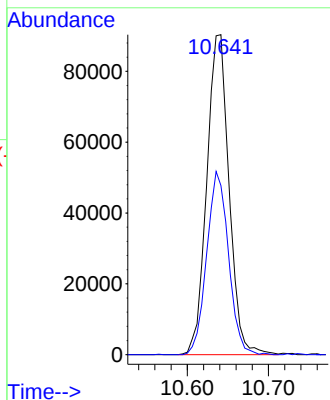
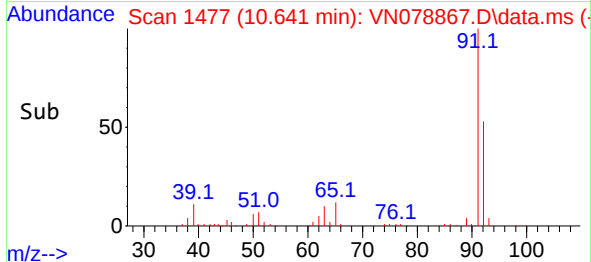
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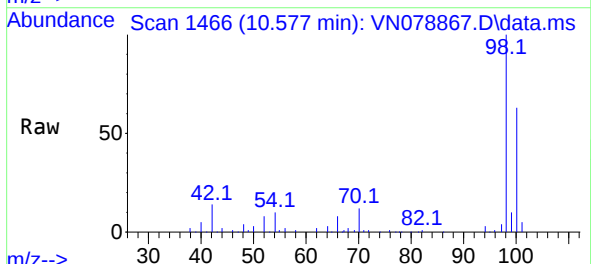
Tgt Ion: 91 Resp: 172360
Ion Ratio Lower Upper
91 100
92 55.8 45.2 67.8

Manual Integrations
APPROVED

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



#63
Toluene-d8
Concen: 30.178 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52



Tgt Ion: 98 Resp: 170305
Ion Ratio Lower Upper
98 100
100 63.3 49.7 74.5

