

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078862.D
 Acq On : 11 Aug 2023 14:51
 Operator : JC\MD
 Sample : 03988-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Aug 12 01:41:16 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	27000	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	151036	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	128152	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	69722	32.075	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.900%			
60) 4-Bromofluorobenzene	12.859	95	42659	23.715	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 79.033%			
63) Toluene-d8	10.576	98	185907	29.604	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.667%			
Target Compounds						
					Qvalue	
15) Acetone	4.441	58	149511	673.817	ug/l	81
23) tert-Butyl Alcohol	5.535	59	19501m	60.940	ug/l	
30) 2-Butanone	7.500	43	44260	36.801	ug/l #	91
58) 4-Methyl-2-Pentanone	10.447	43	10022	4.069	ug/l #	86
62) Toluene	10.635	91	2238136	296.647	ug/l	99
67) m/p-Xylenes	12.082	106	1562m	0.544	ug/l	
82) p-Isopropyltoluene	13.735	119	9269	1.920	ug/l	91

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

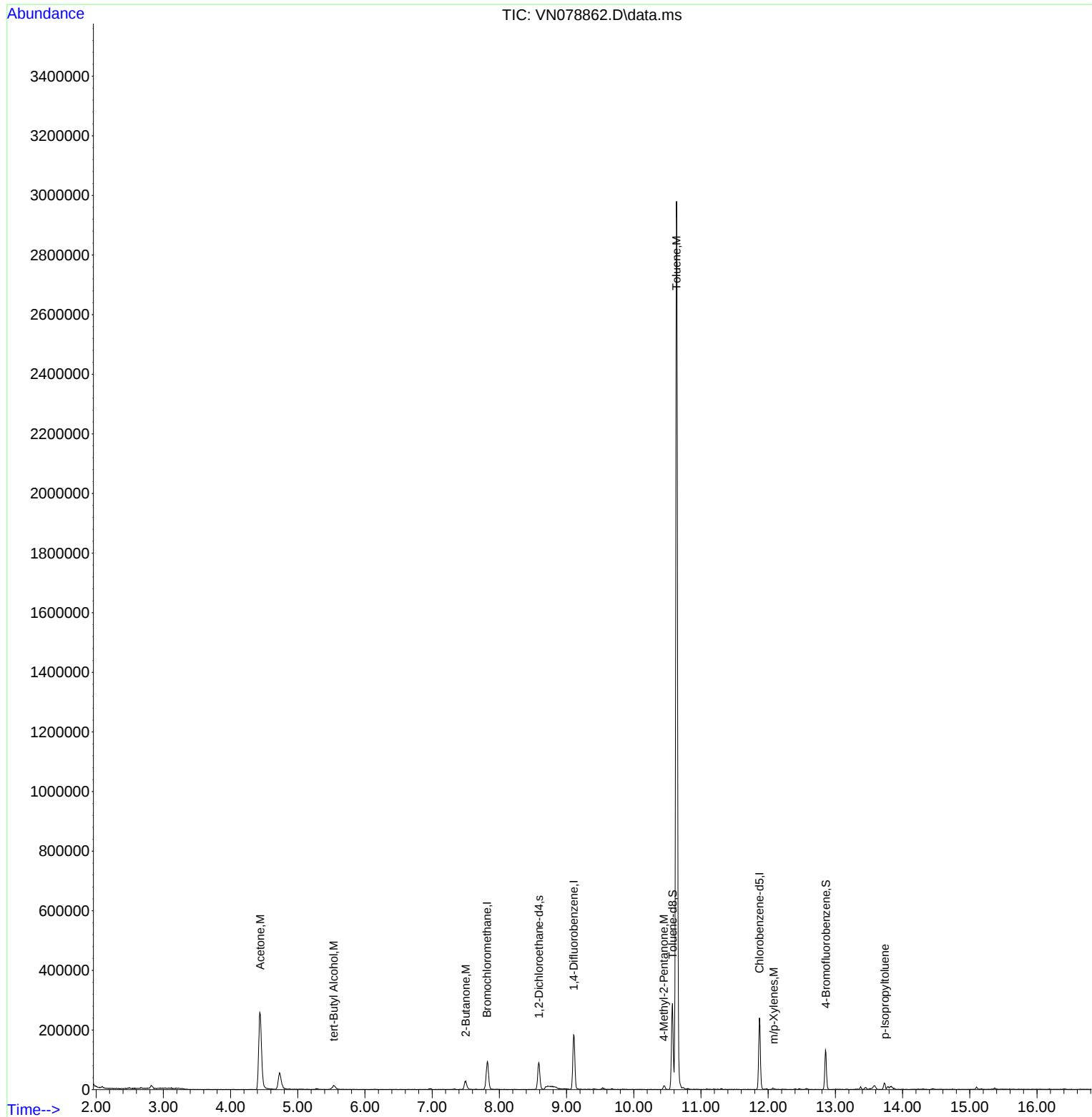
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
Data File : VN078862.D
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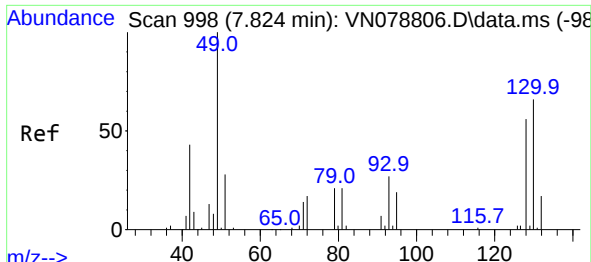
Instrument :
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002-35TH-AVE(AUG)

Quant Time: Aug 12 01:41:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
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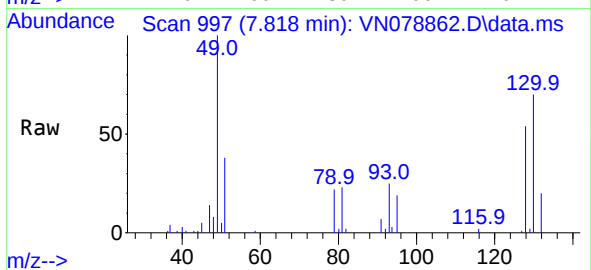
Reviewed By : John Carlone 08/14/2023
Supervised By : Mahesh Dadoda 08/15/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

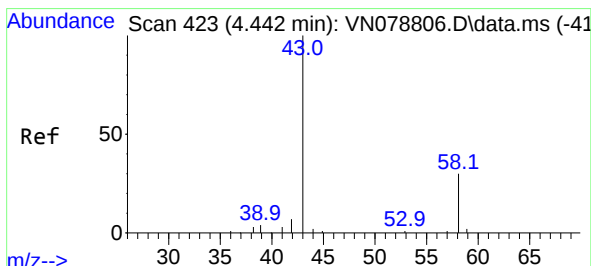
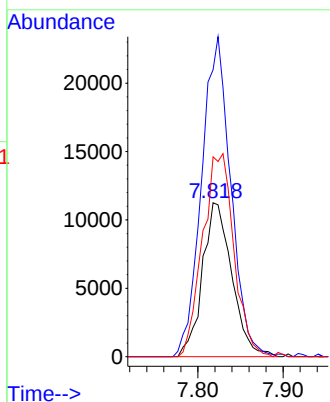
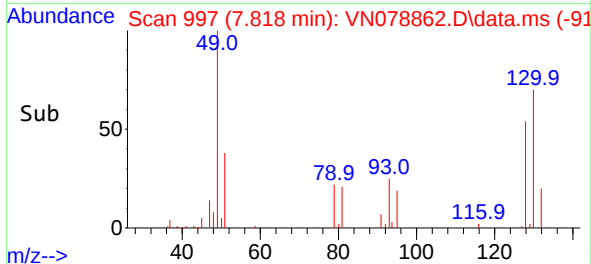
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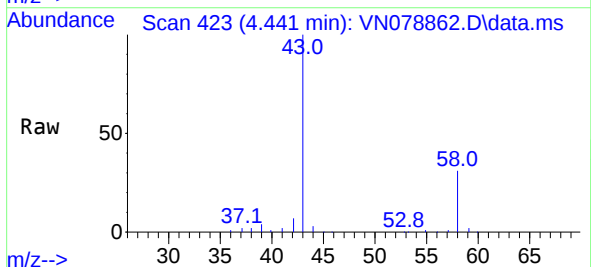
Tgt Ion:128 Resp: 27000
Ion Ratio Lower Upper
128 100
49 206.8 0.0 370.8
130 140.3 0.0 307.0

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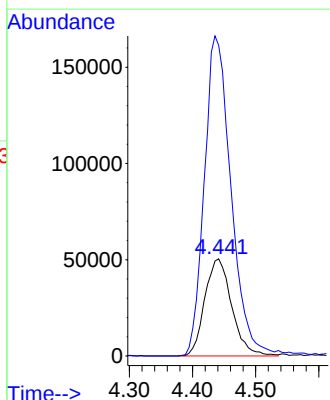
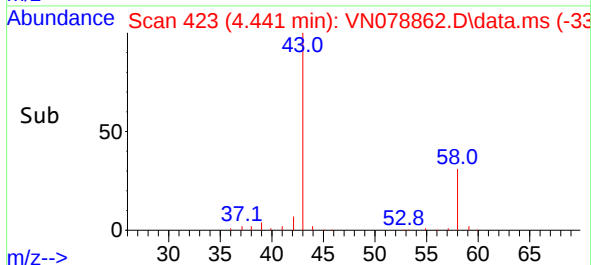
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

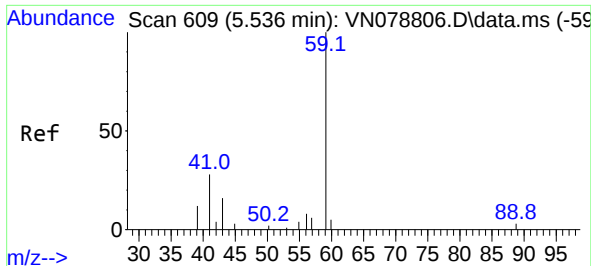


#15
Acetone
Concen: 673.817 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51



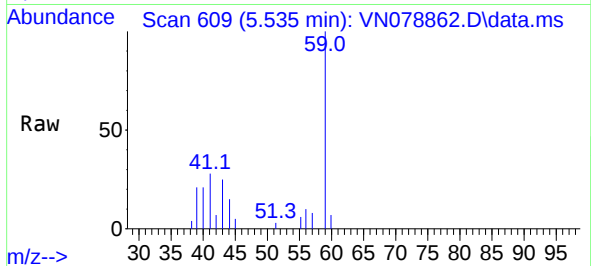
Tgt Ion: 58 Resp: 149511
Ion Ratio Lower Upper
58 100
43 319.8 227.5 341.3





#23
tert-Butyl Alcohol
Concen: 60.940 ug/l m
RT: 5.535 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

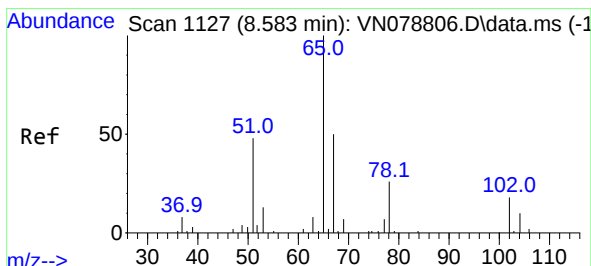
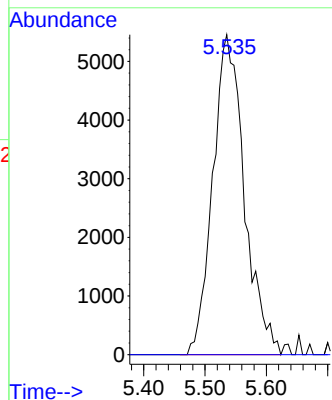
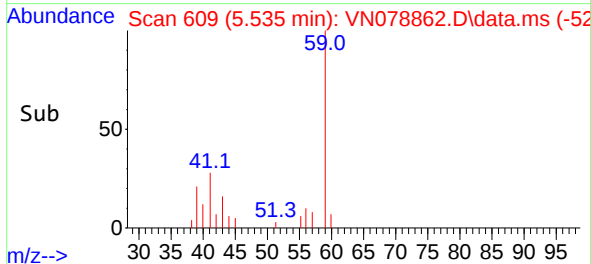
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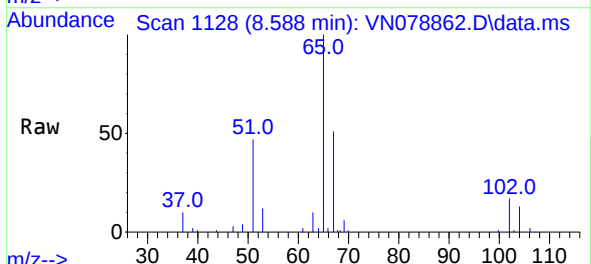
Tgt Ion: 59 Resp: 1950
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

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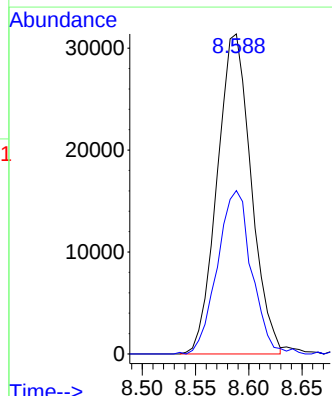
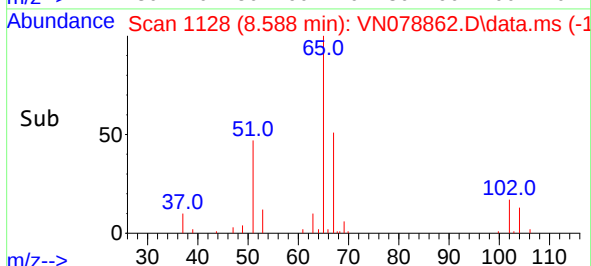
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

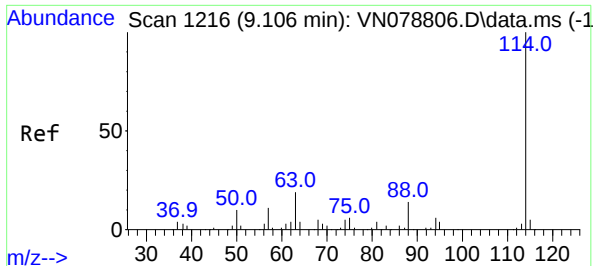


#27
1,2-Dichloroethane-d4
Concen: 32.075 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51



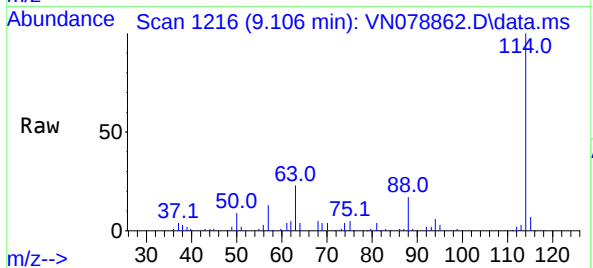
Tgt Ion: 65 Resp: 69722
Ion Ratio Lower Upper
65 100
67 51.2 42.9 64.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

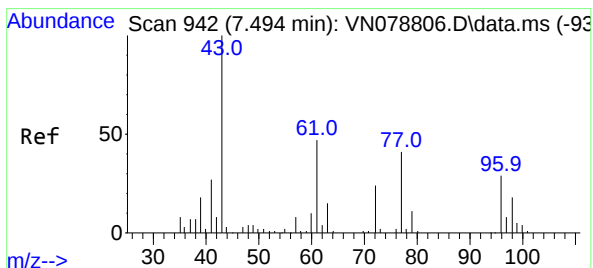
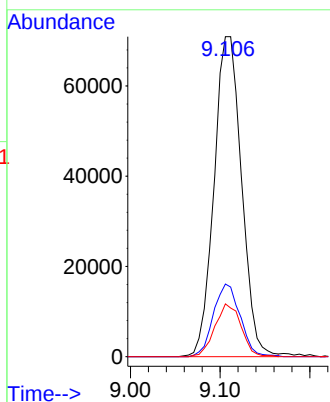
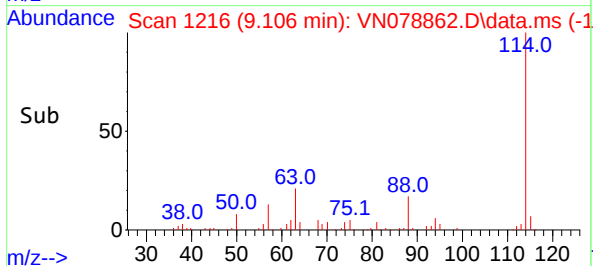
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)



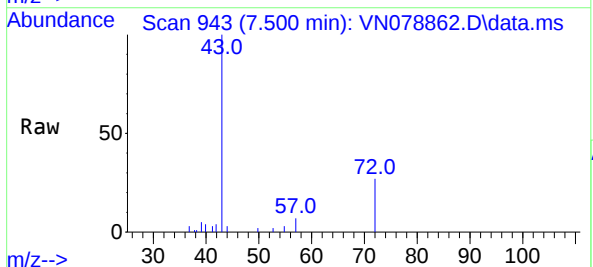
Tgt Ion:114 Resp: 151036
Ion Ratio Lower Upper
114 100
63 22.1 15.2 22.8
88 15.6 12.5 18.7

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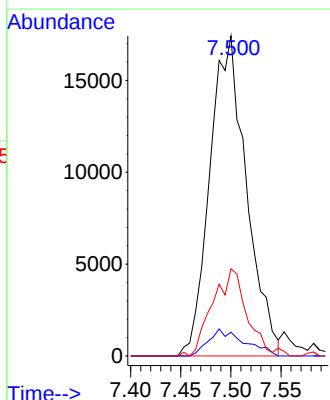
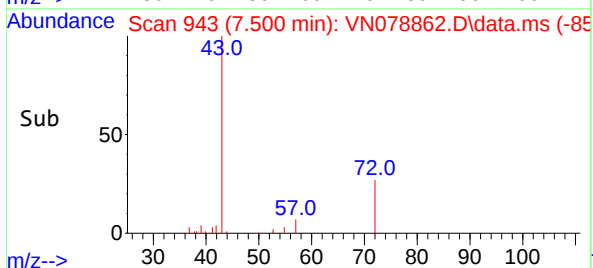
Reviewed By :John Carlone 08/14/2023
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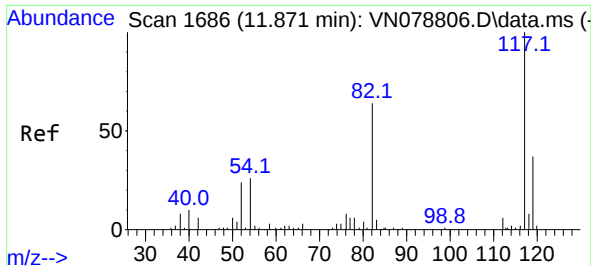


#30
2-Butanone
Concen: 36.801 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51



Tgt Ion: 43 Resp: 44260
Ion Ratio Lower Upper
43 100
57 4.0 6.8 10.2#
72 25.1 23.8 35.6





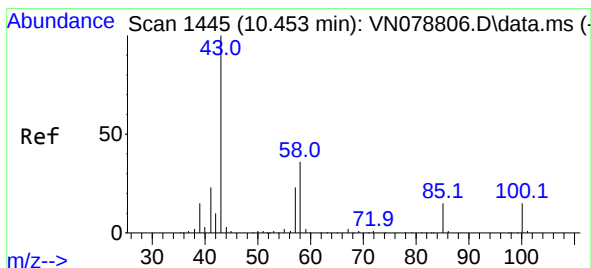
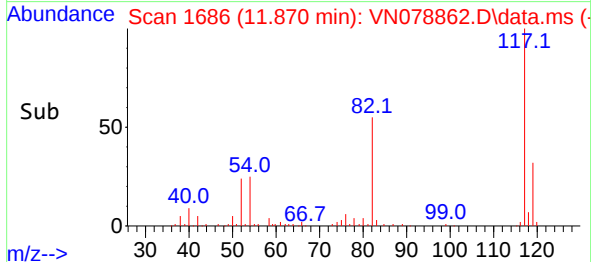
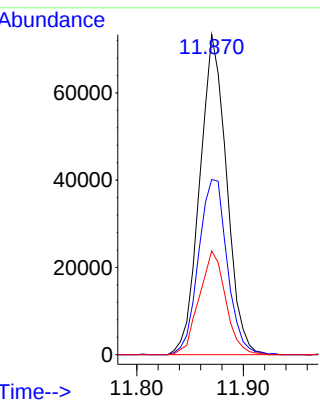
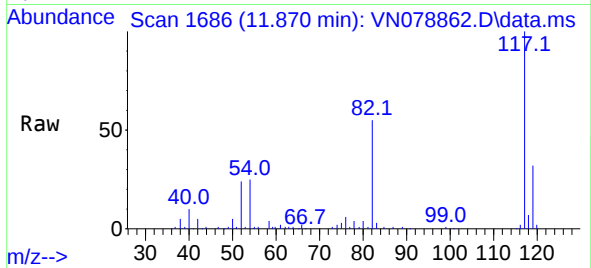
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

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

Tgt Ion:117 Resp: 128152
Ion Ratio Lower Upper
117 100
82 58.5 43.9 65.9
119 32.0 26.2 39.4

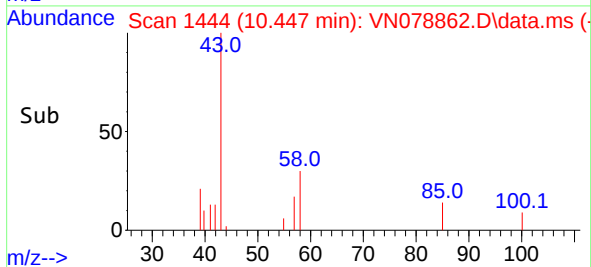
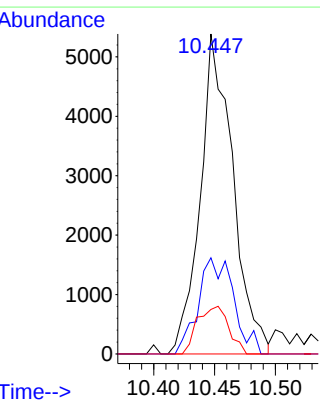
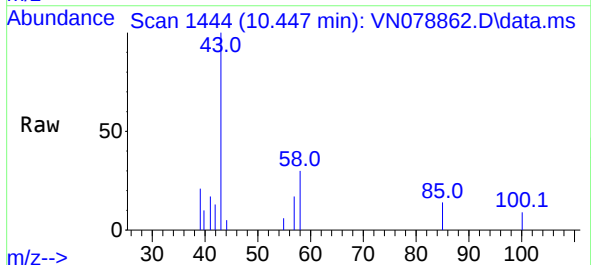
Manual Integrations
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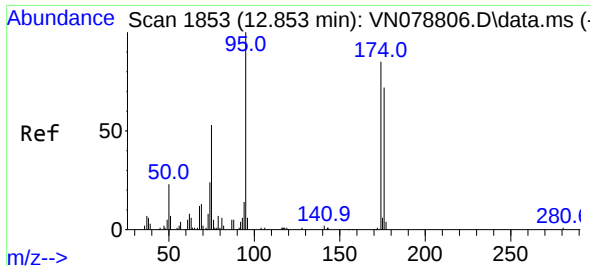
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#58
4-Methyl-2-Pentanone
Concen: 4.069 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

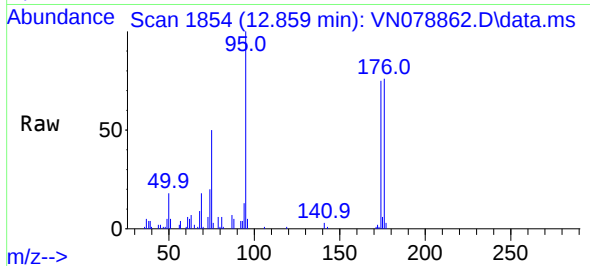
Tgt Ion: 43 Resp: 10022
Ion Ratio Lower Upper
43 100
58 31.3 32.6 48.8#
85 14.3 16.2 24.2#





#60
4-Bromofluorobenzene
Concen: 23.715 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

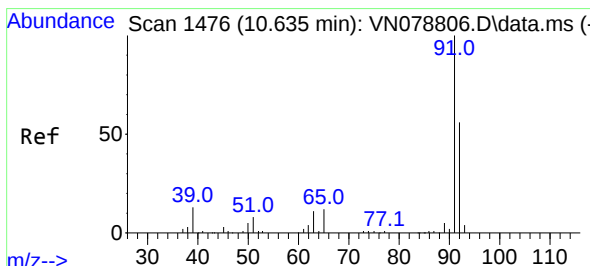
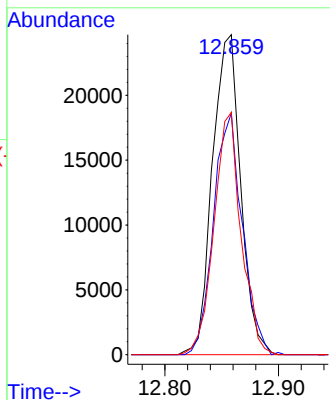
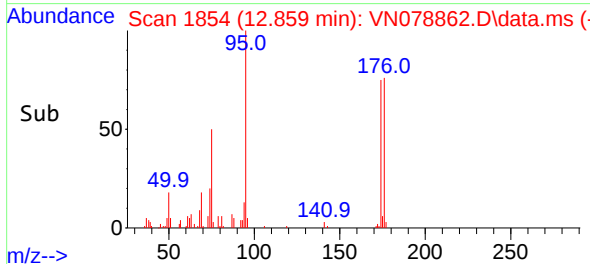
Instrument :
MSVOA_N
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002-35TH-AVE(AUG)



Tgt Ion: 95 Resp: 42659
Ion Ratio Lower Upper
95 100
174 76.8 61.7 92.5
176 72.8 58.1 87.1

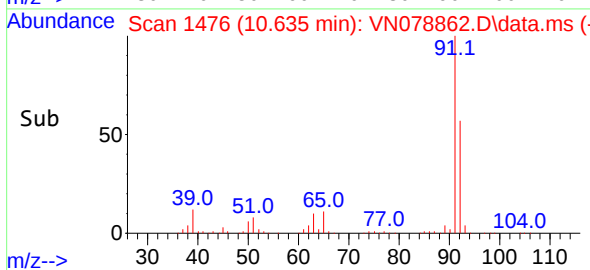
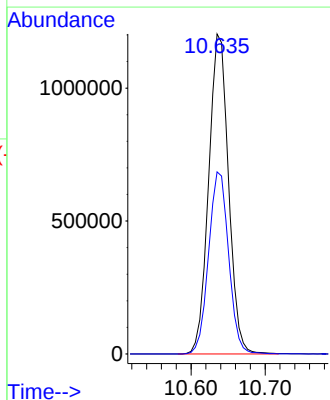
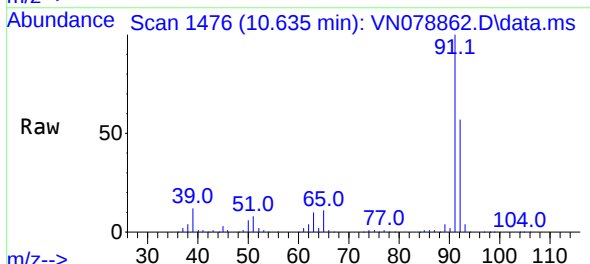
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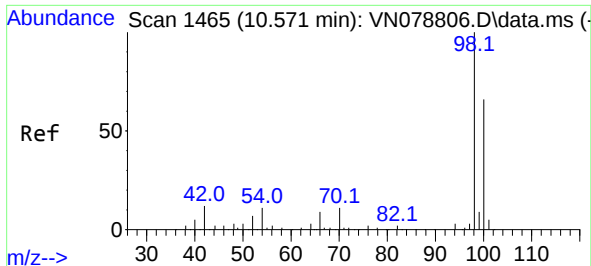
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#62
Toluene
Concen: 296.647 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

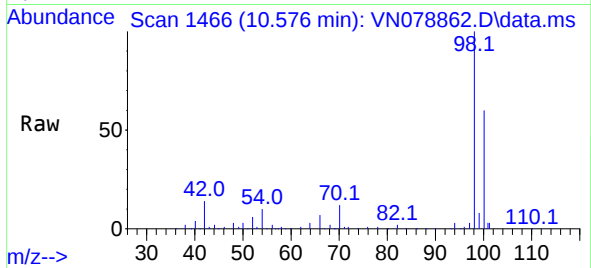
Tgt Ion: 91 Resp: 2238136
Ion Ratio Lower Upper
91 100
92 57.5 45.2 67.8





#63
Toluene-d8
Concen: 29.604 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51

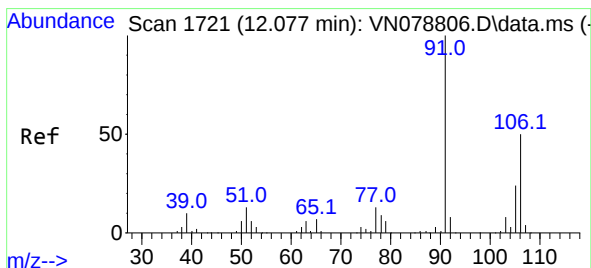
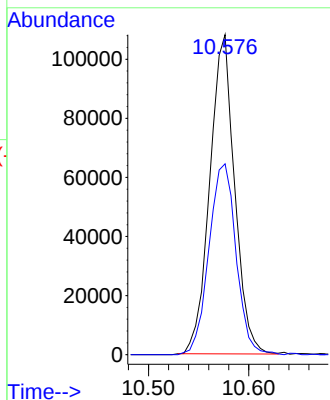
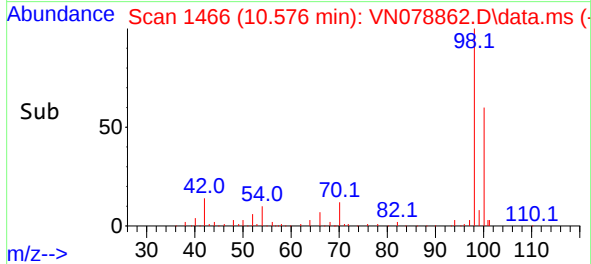
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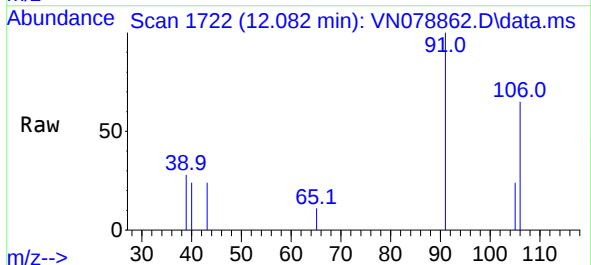
Tgt Ion: 98 Resp: 18590
Ion Ratio Lower Upper
98 100
100 65.3 49.7 74.5

Manual Integrations
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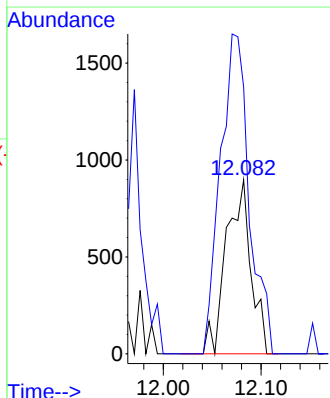
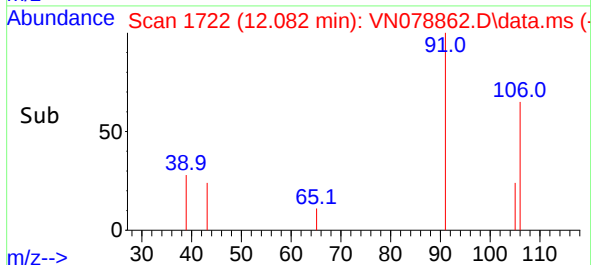
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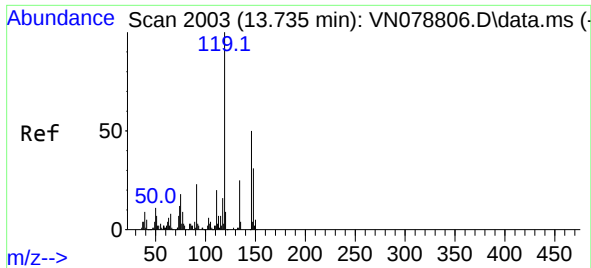


#67
m/p-Xylenes
Concen: 0.544 ug/l m
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078862.D
Acq: 11 Aug 2023 14:51



Tgt Ion:106 Resp: 1562
Ion Ratio Lower Upper
106 100
91 57.6 162.5 243.7#





#82
 p-Isopropyltoluene
 Concen: 1.920 ug/l
 RT: 13.735 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078862.D
 Acq: 11 Aug 2023 14:51

Instrument :
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Tgt Ion	Ratio	Lower	Upper
119	100		
134	21.3	0.0	52.4
91	27.9	0.0	48.2

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