

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080460.D
 Acq On : 13 Dec 2023 14:30
 Operator : JC\MD
 Sample : 05688-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:06:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	207764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	372987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	393604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162396	61.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.400%			
35) Dibromofluoromethane	8.165	113	134242	56.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.520%			
50) Toluene-d8	10.571	98	499068	56.585	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.160%#			
62) 4-Bromofluorobenzene	12.847	95	209547	62.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.140%#			
Target Compounds					Qvalue	
16) Acetone	4.436	43	18868	40.101	ug/l #	71
25) 2-Butanone	7.494	43	5485	6.051	ug/l #	84
31) Cyclohexane	8.259	56	281489	78.004	ug/l	94
39) Methylcyclohexane	9.600	83	325044	80.918	ug/l	91
52) Toluene	10.629	92	88810	12.590	ug/l	97
67) Ethyl Benzene	11.965	91	384431	23.878	ug/l	96
68) m/p-Xylenes	12.070	106	892666	150.048	ug/l	88
69) o-Xylene	12.400	106	436821	75.068	ug/l	90
73) Isopropylbenzene	12.694	105	168971	11.036	ug/l	99
78) n-propylbenzene	13.035	91	319122	18.904	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	247915	18.801	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	1444879	110.145	ug/l	97
85) sec-Butylbenzene	13.617	105	37199m	2.693	ug/l	
86) p-Isopropyltoluene	13.729	119	32034	2.568	ug/l	95
89) n-Butylbenzene	14.059	91	41193	3.955	ug/l #	80

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

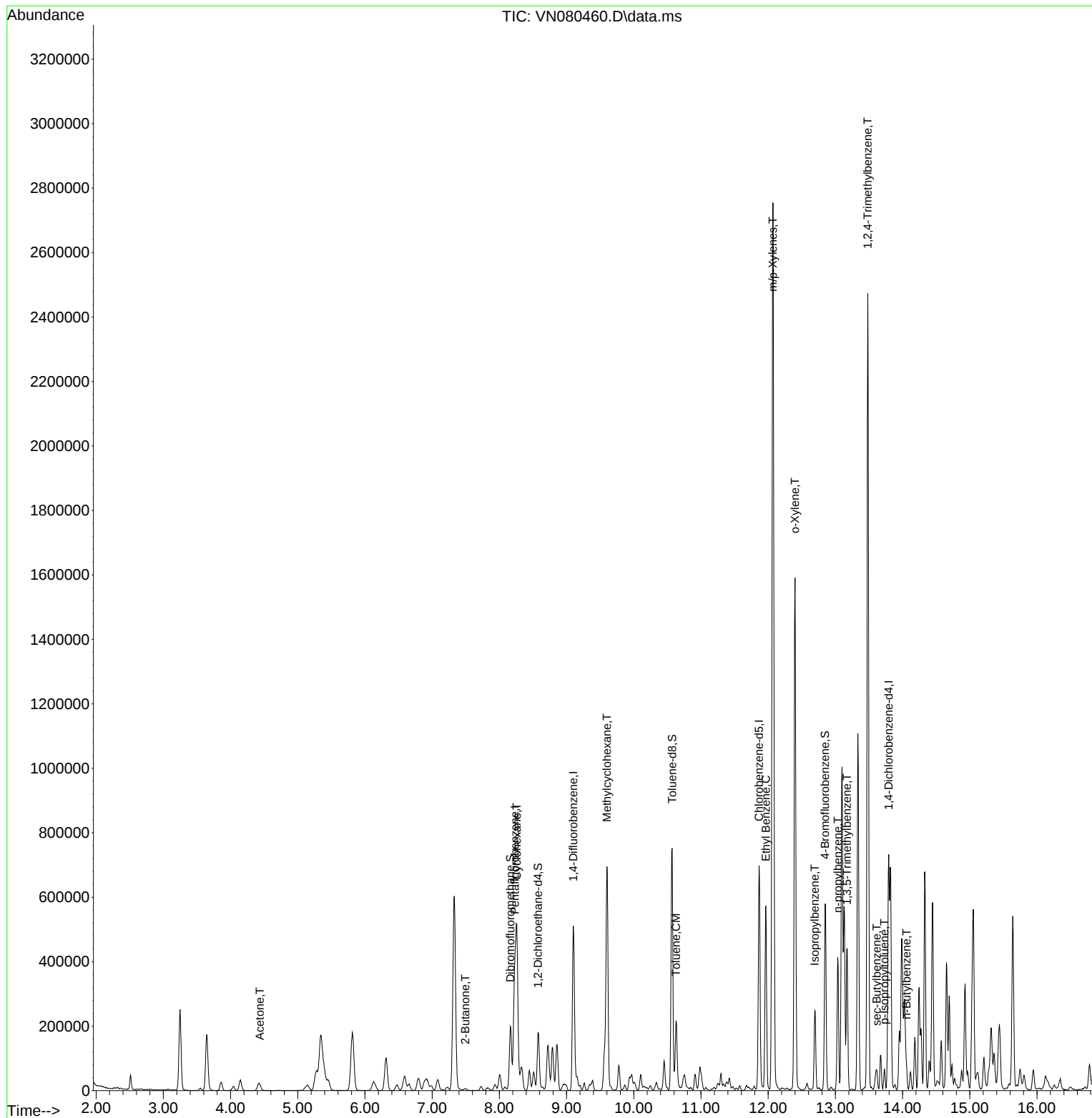
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
Data File : VN080460.D
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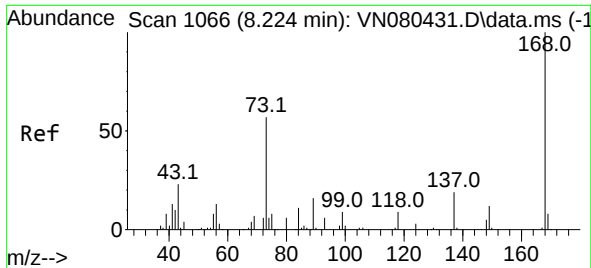
Instrument :
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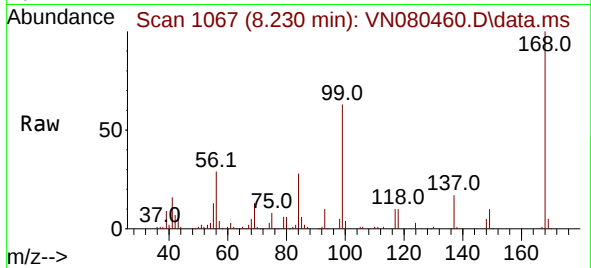
Quant Time: Dec 14 04:06:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

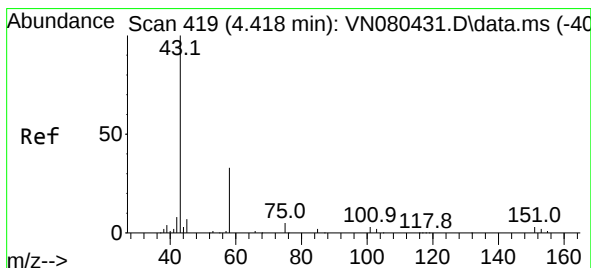
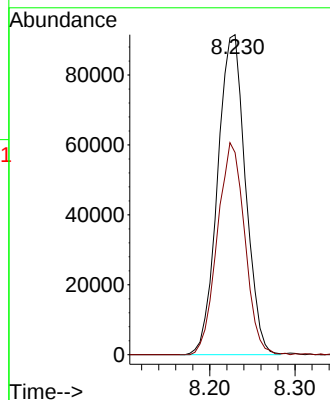
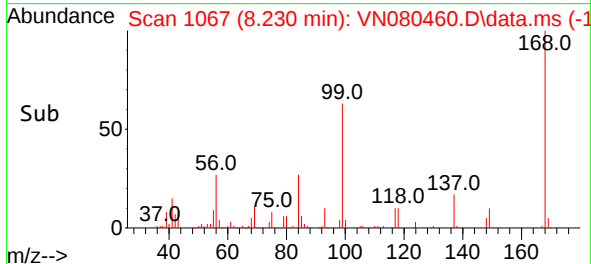
Instrument :
MSVOA_N
ClientSampleId :
MW-3



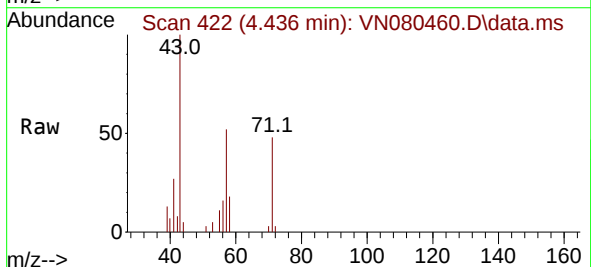
Tgt Ion:168 Resp: 207764
Ion Ratio Lower Upper
168 100
99 63.2 53.0 79.6

Manual Integrations
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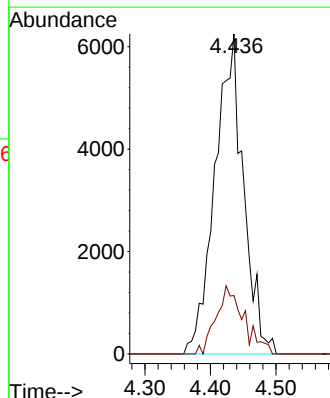
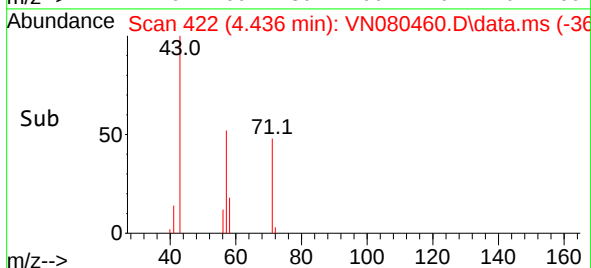
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

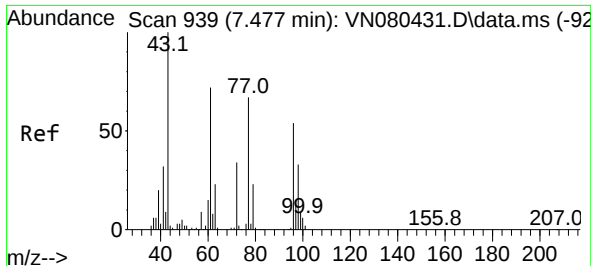


#16
Acetone
Concen: 40.101 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30



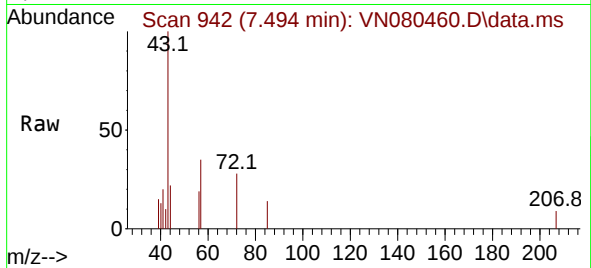
Tgt Ion: 43 Resp: 18868
Ion Ratio Lower Upper
43 100
58 18.3 28.0 42.0#





#25
2-Butanone
Concen: 6.051 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

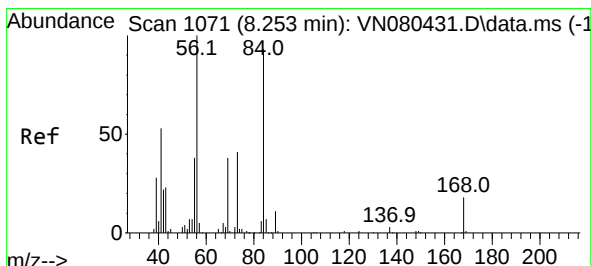
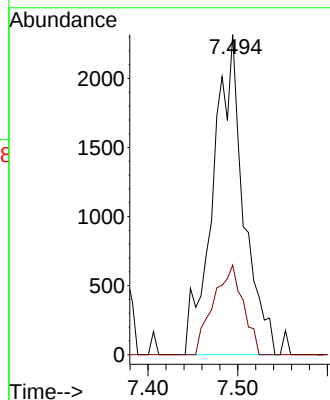
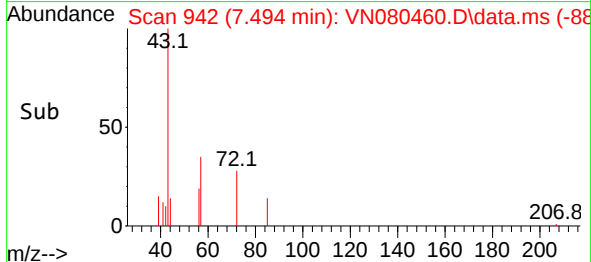
Instrument :
MSVOA_N
Client Sample Id :
MW-3



Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
72 28.0 30.2 45.2

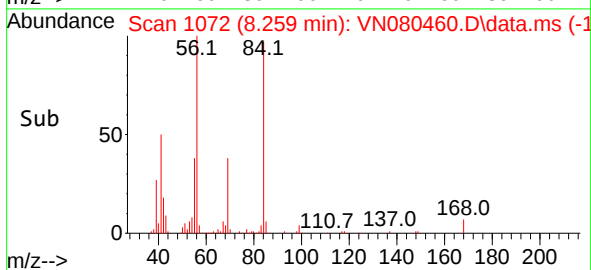
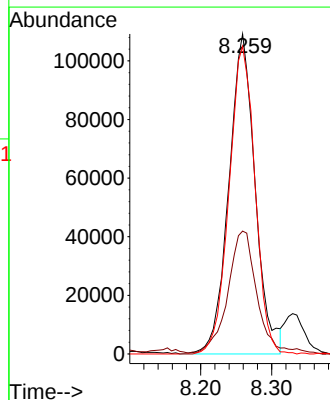
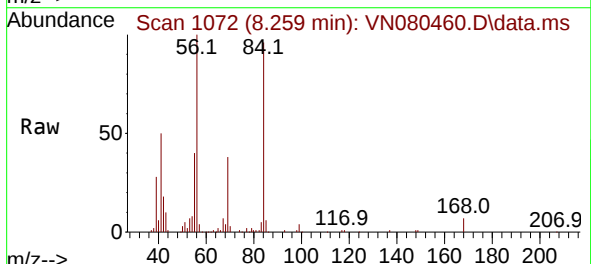
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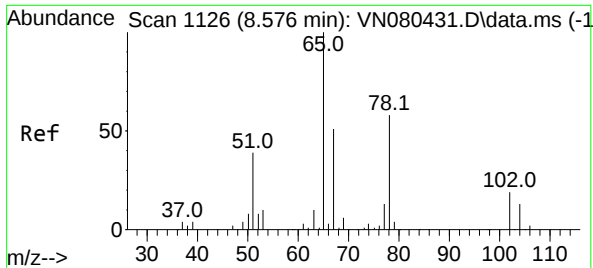
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#31
Cyclohexane
Concen: 78.004 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Tgt Ion: 56 Resp: 281489
Ion Ratio Lower Upper
56 100
69 37.6 26.8 40.2
84 96.2 81.8 122.6





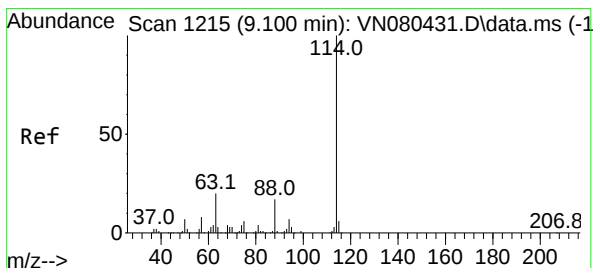
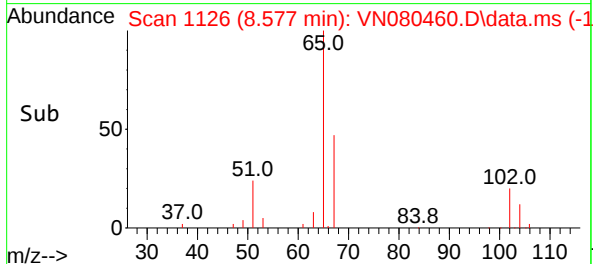
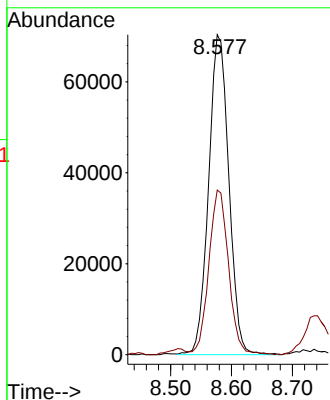
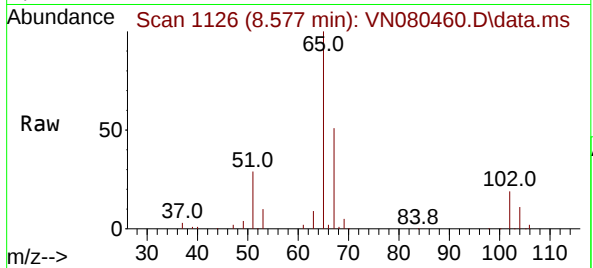
#33
1,2-Dichloroethane-d4
Concen: 61.198 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 65 Resp: 162390
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.6

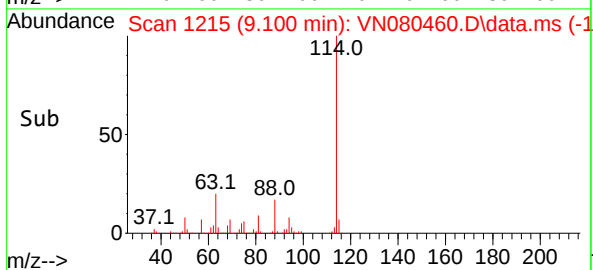
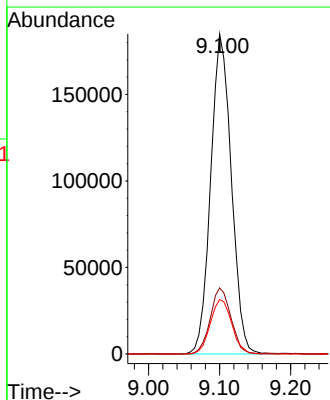
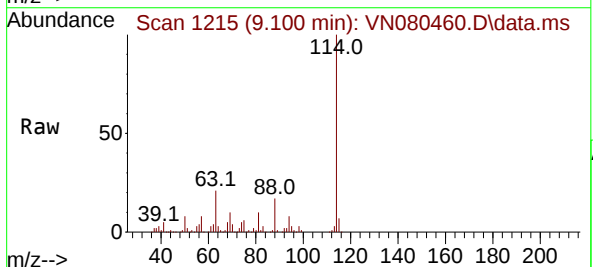
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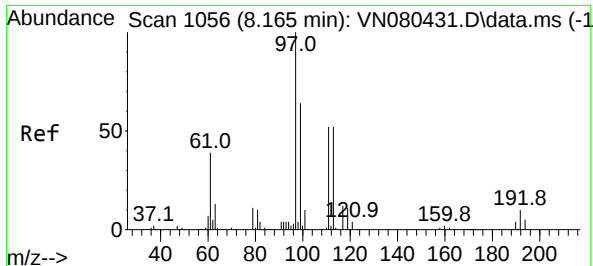
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

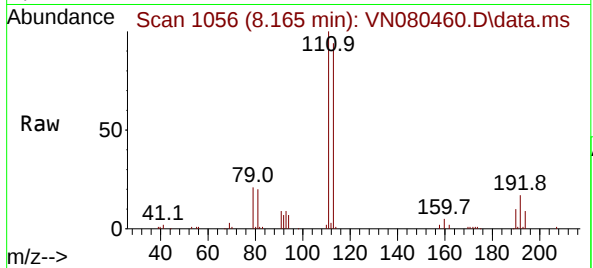
Tgt Ion:114 Resp: 372987
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 17.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 56.765 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

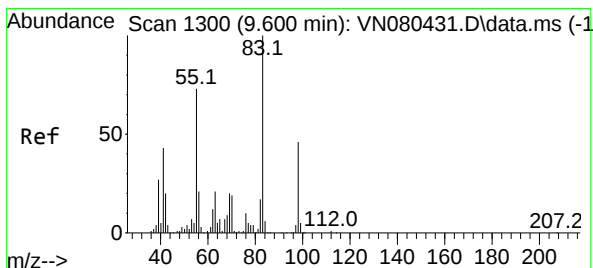
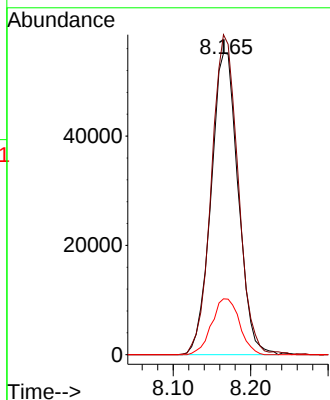
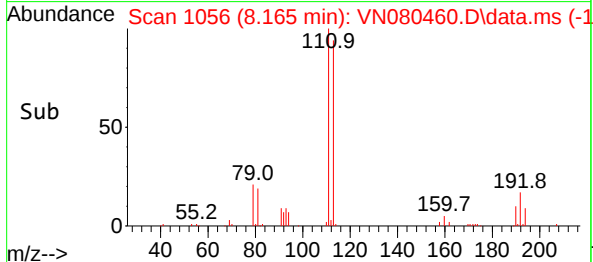
Instrument :
MSVOA_N
ClientSampleId :
MW-3



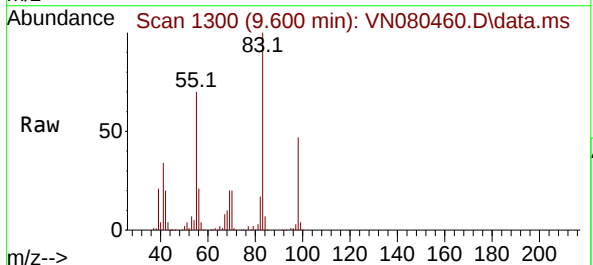
Tgt Ion: 113 Resp: 13424
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 19.0 12.7 19.1

Manual Integrations
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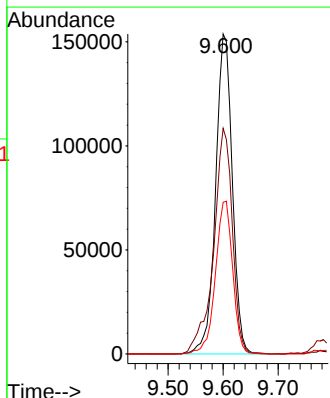
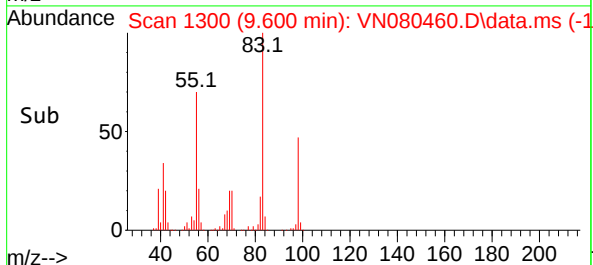
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

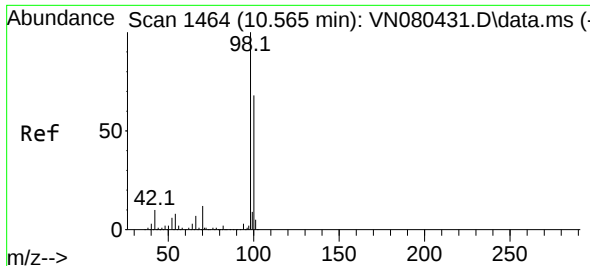


#39
Methylcyclohexane
Concen: 80.918 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30



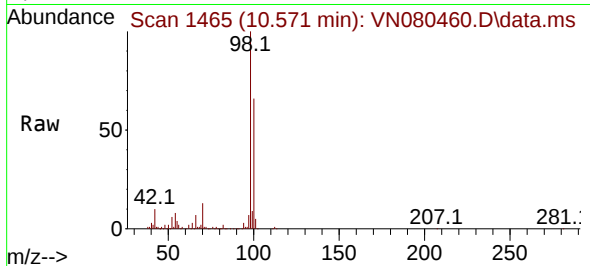
Tgt Ion: 83 Resp: 325044
Ion Ratio Lower Upper
83 100
55 70.4 49.1 73.7
98 47.4 40.6 61.0





#50
Toluene-d8
Concen: 56.585 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

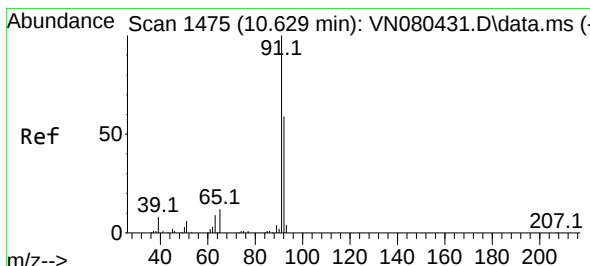
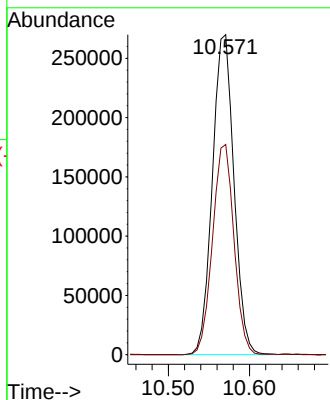
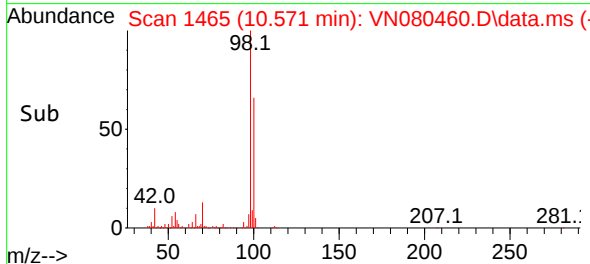
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion: 98 Resp: 499068
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

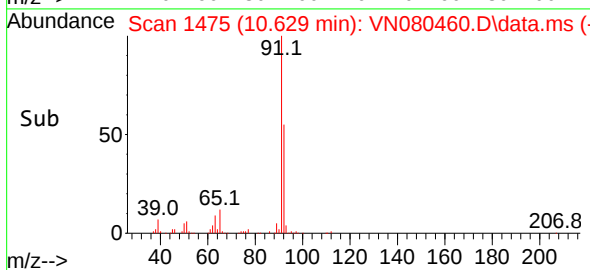
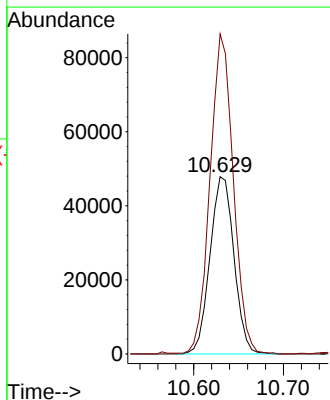
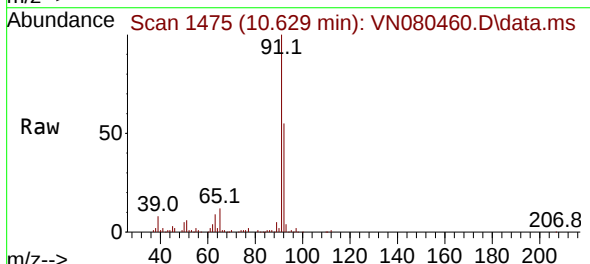
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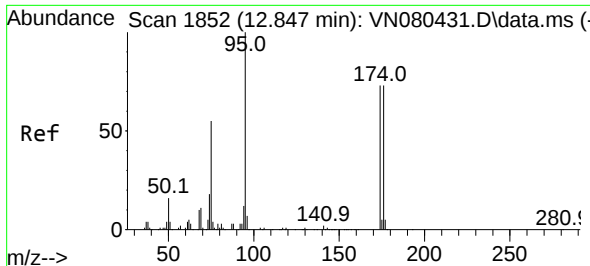
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#52
Toluene
Concen: 12.590 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

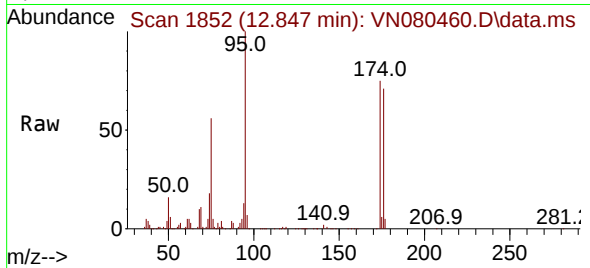
Tgt Ion: 92 Resp: 88810
Ion Ratio Lower Upper
92 100
91 175.7 137.4 206.0





#62
4-Bromofluorobenzene
Concen: 62.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

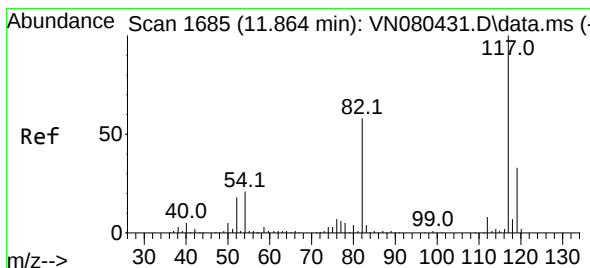
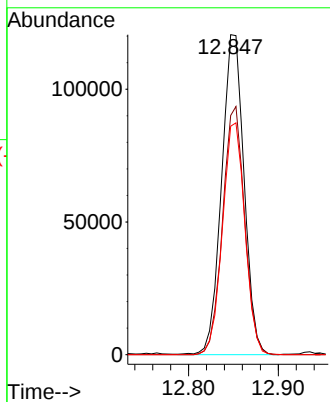
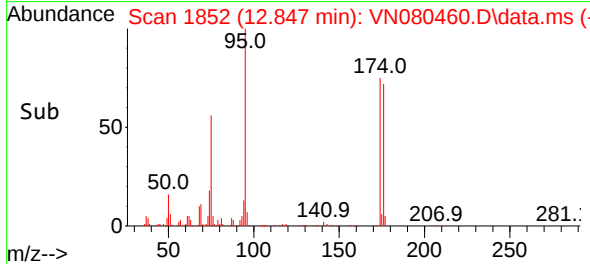
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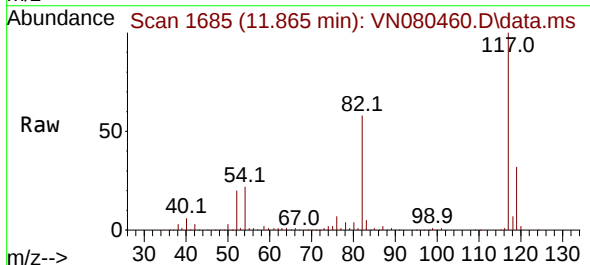
Tgt Ion: 95 Resp: 20954
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 72.3 0.0 135.8

Manual Integrations
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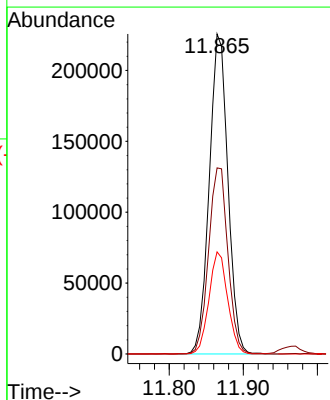
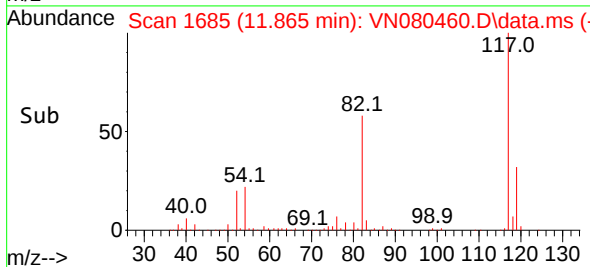
Reviewed By :John Carlone 12/14/2023
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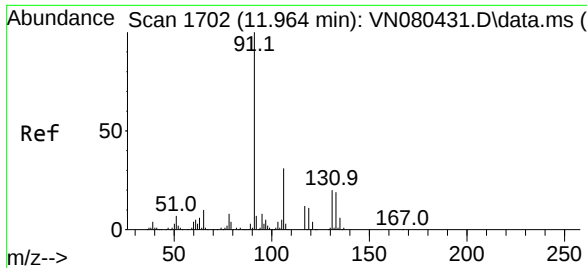


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30



Tgt Ion:117 Resp: 393604
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 31.9 25.6 38.4





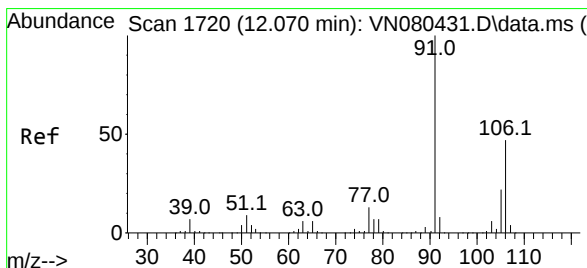
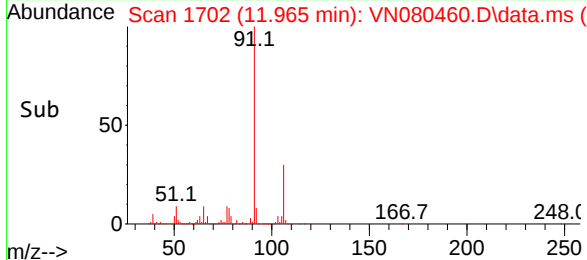
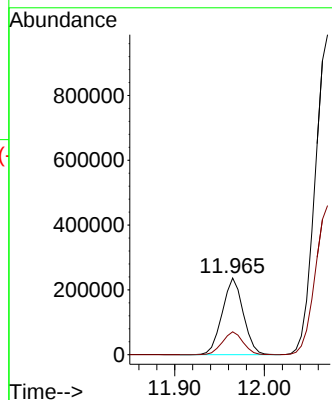
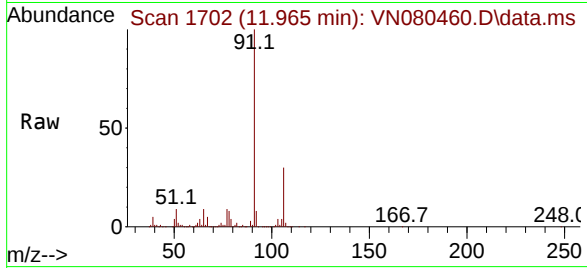
#67
Ethyl Benzene
Concen: 23.878 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 91 Resp: 384431
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

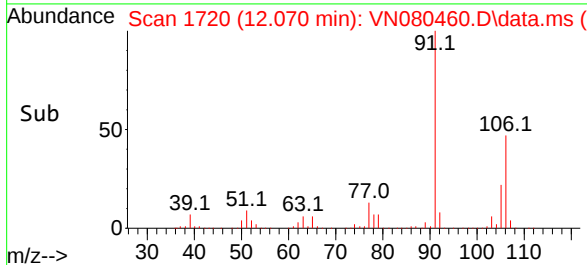
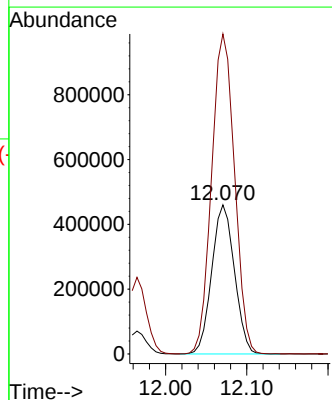
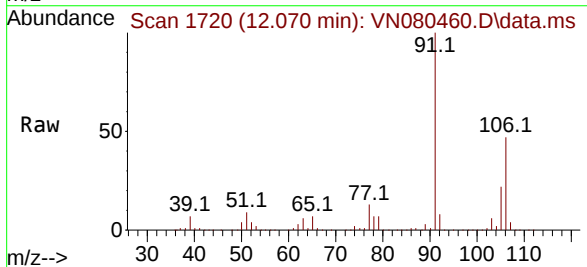
Manual Integrations
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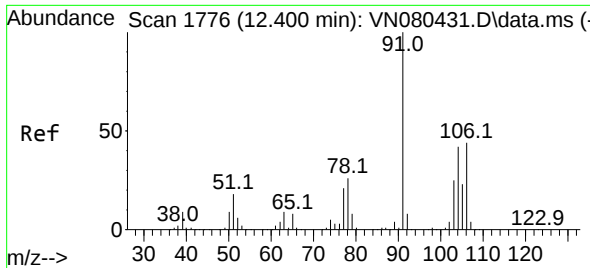
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#68
m/p-Xylenes
Concen: 150.048 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Tgt Ion:106 Resp: 892666
Ion Ratio Lower Upper
106 100
91 217.7 159.6 239.4





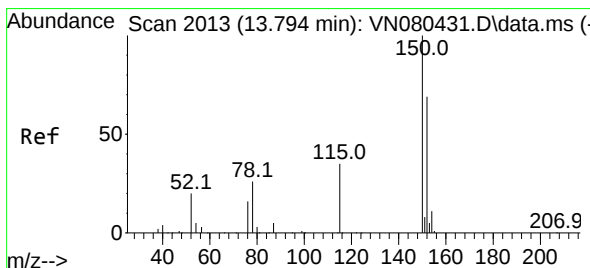
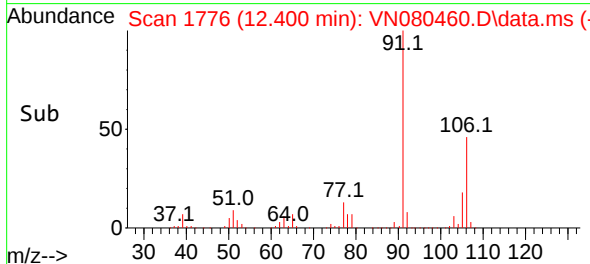
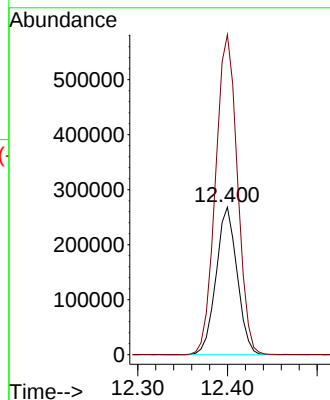
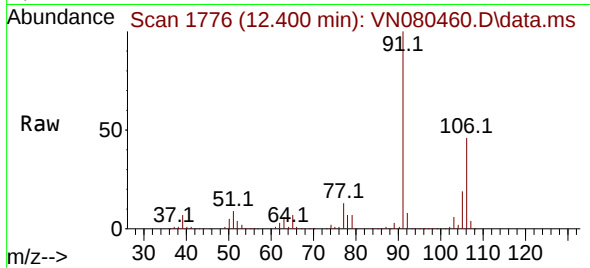
#69
o-Xylene
Concen: 75.068 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:106 Resp: 43682
Ion Ratio Lower Upper
106 100
91 225.5 105.2 315.5

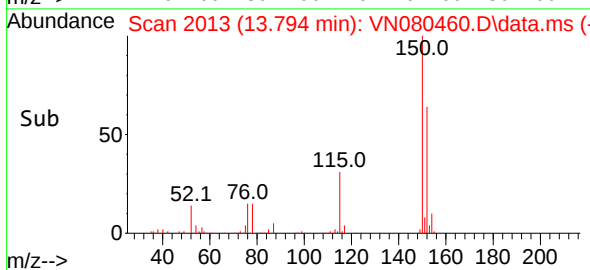
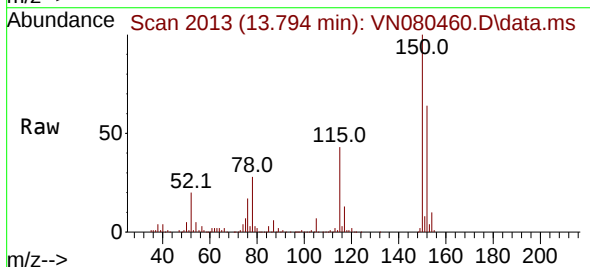
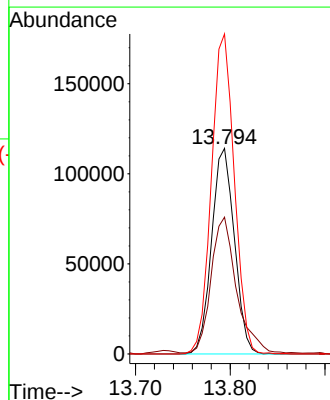
Manual Integrations
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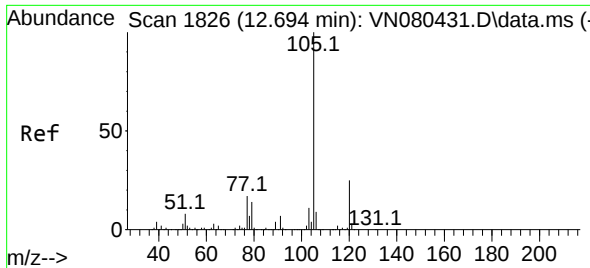
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Tgt Ion:152 Resp: 190589
Ion Ratio Lower Upper
152 100
115 74.0 32.3 96.8
150 156.6 0.0 355.8





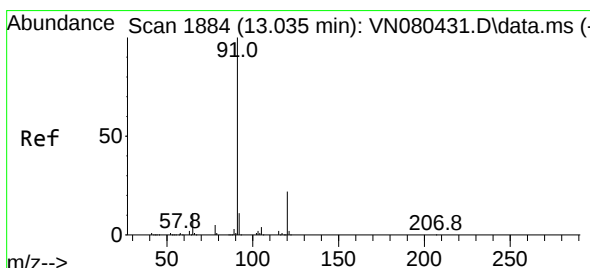
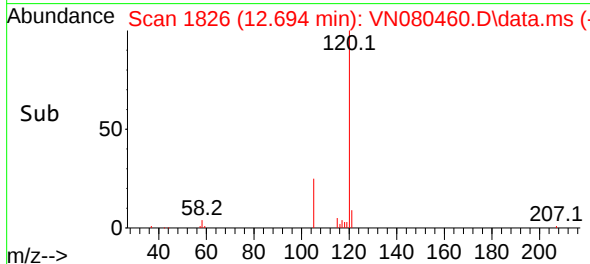
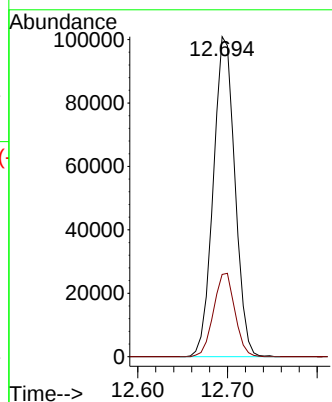
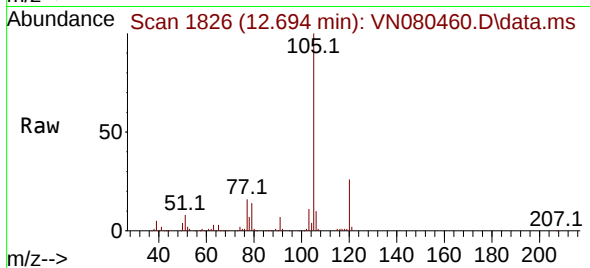
#73
Isopropylbenzene
Concen: 11.036 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 16897
Ion Ratio Lower Upper
105 100
120 25.7 13.1 39.1

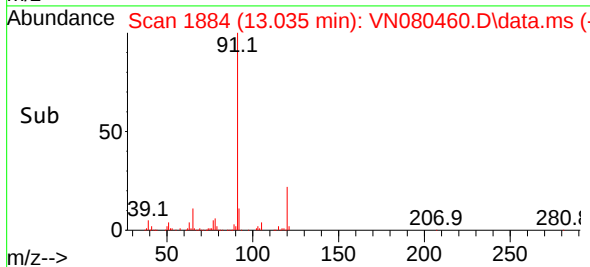
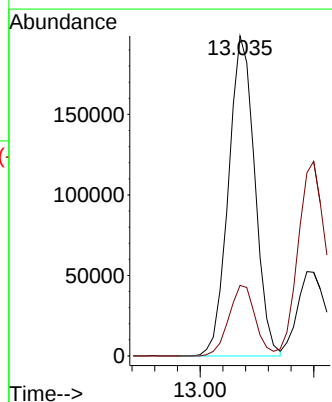
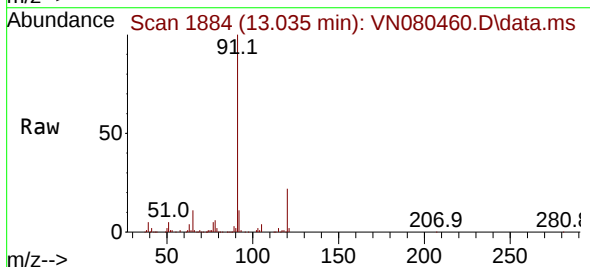
Manual Integrations
APPROVED

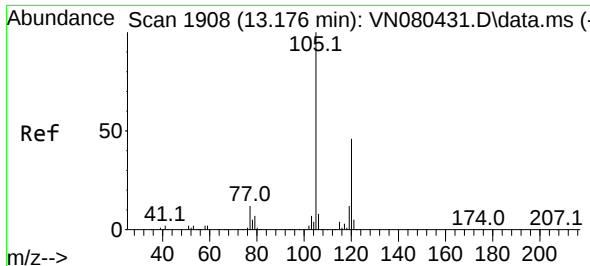
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#78
n-propylbenzene
Concen: 18.904 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

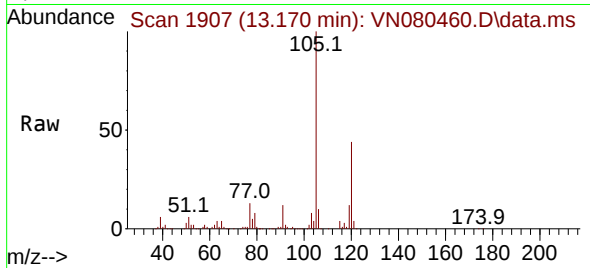
Tgt Ion: 91 Resp: 319122
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 18.801 ug/l
RT: 13.170 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30

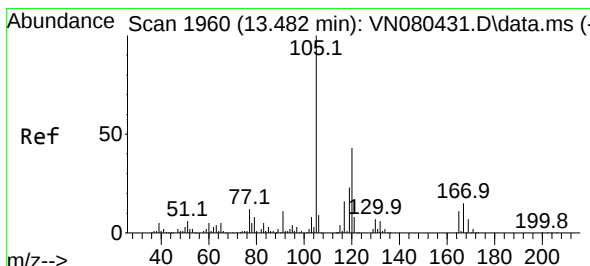
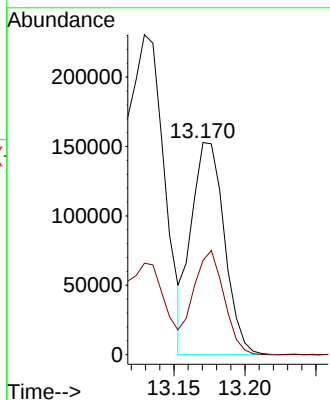
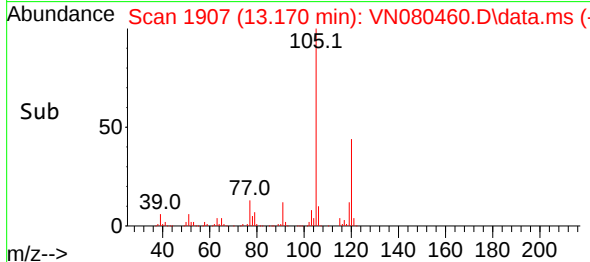
Instrument :
MSVOA_N
ClientSampleId :
MW-3



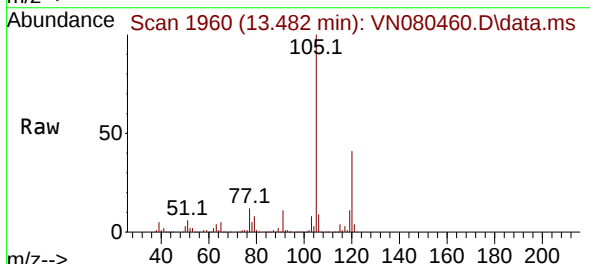
Tgt Ion:105 Resp: 247915
Ion Ratio Lower Upper
105 100
120 45.6 24.1 72.3

Manual Integrations
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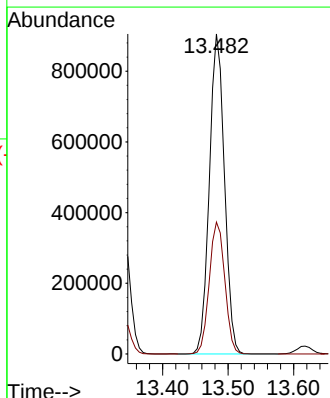
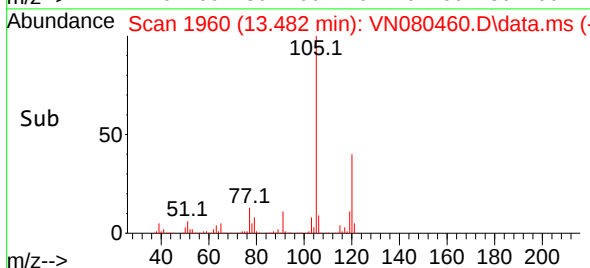
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

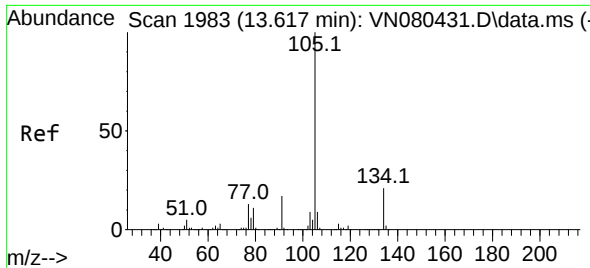


#84
1,2,4-Trimethylbenzene
Concen: 110.145 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080460.D
Acq: 13 Dec 2023 14:30



Tgt Ion:105 Resp: 1444879
Ion Ratio Lower Upper
105 100
120 42.4 22.0 66.0





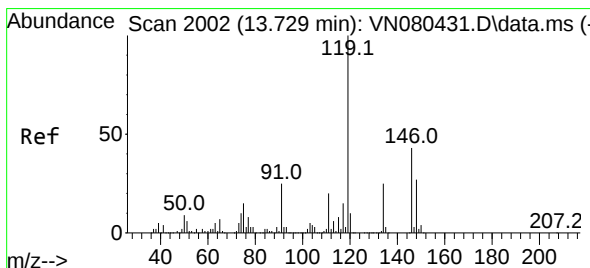
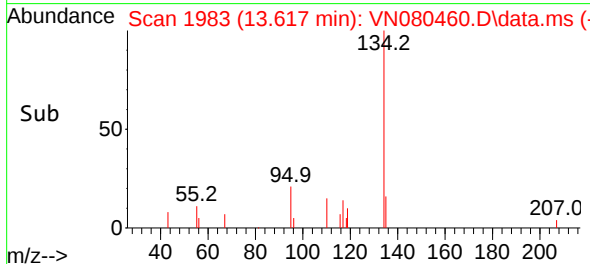
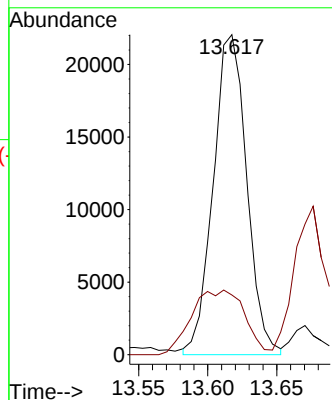
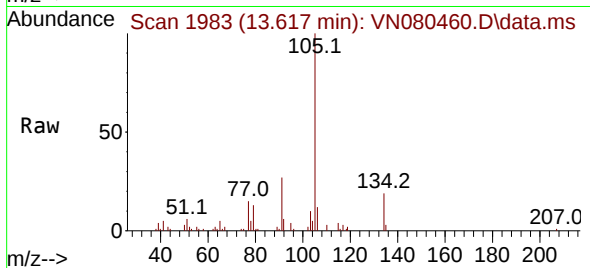
#85
 sec-Butylbenzene
 Concen: 2.693 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080460.D
 Acq: 13 Dec 2023 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tgt Ion:105 Resp: 37199
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3

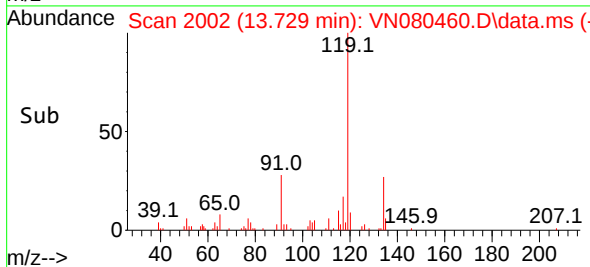
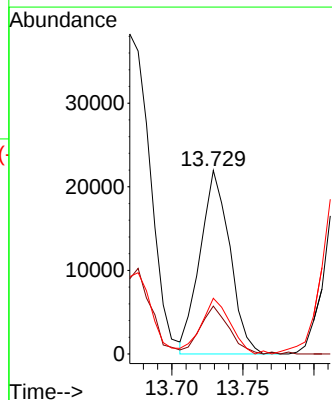
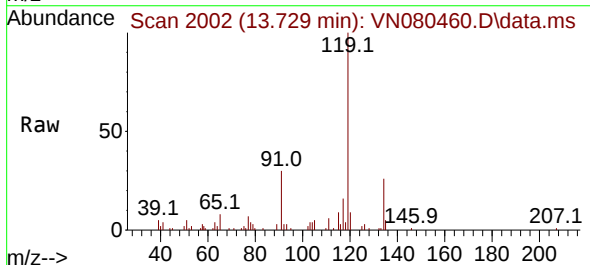
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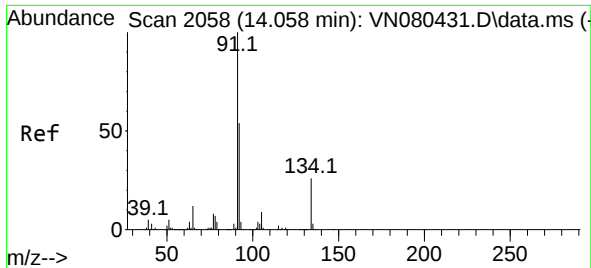
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#86
 p-Isopropyltoluene
 Concen: 2.568 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080460.D
 Acq: 13 Dec 2023 14:30

Tgt Ion:119 Resp: 32034
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 29.7 12.4 37.2





#89

n-Butylbenzene

Concen: 3.955 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080460.D

Acq: 13 Dec 2023 14:30

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion: 91 Resp: 4119

Ion Ratio Lower Upper

91 100

92 56.3 26.4 79.0

134 0.0 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023

