

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080483.D
 Acq On : 14 Dec 2023 15:28
 Operator : JC\MD
 Sample : 05670-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5B

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 00:27:57 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	8.224	168	235274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	429475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	447261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161137	53.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.240%			
35) Dibromofluoromethane	8.165	113	134108	49.249	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.500%			
50) Toluene-d8	10.565	98	481984	47.460	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.920%			
62) 4-Bromofluorobenzene	12.847	95	211442	54.830	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.660%			
Target Compounds					Qvalue	
31) Cyclohexane	8.253	56	48853	11.955	ug/l	92
39) Methylcyclohexane	9.600	83	27931	6.039	ug/l	91
40) Benzene	8.612	78	5777	0.449	ug/l #	85
52) Toluene	10.629	92	99176	12.211	ug/l	100
67) Ethyl Benzene	11.965	91	671419	36.701	ug/l	98
68) m/p-Xylenes	12.071	106	326572	48.308	ug/l	90
69) o-Xylene	12.400	106	122792	18.570	ug/l	88
73) Isopropylbenzene	12.694	105	52099	2.943	ug/l	99
78) n-propylbenzene	13.035	91	246972	12.651	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	27259	1.788	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	1031104	67.969	ug/l	98
85) sec-Butylbenzene	13.618	105	18544m	1.161	ug/l	
86) p-Isopropyltoluene	13.729	119	10801	0.749	ug/l #	72
89) n-Butylbenzene	14.059	91	12471m	1.035	ug/l	

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

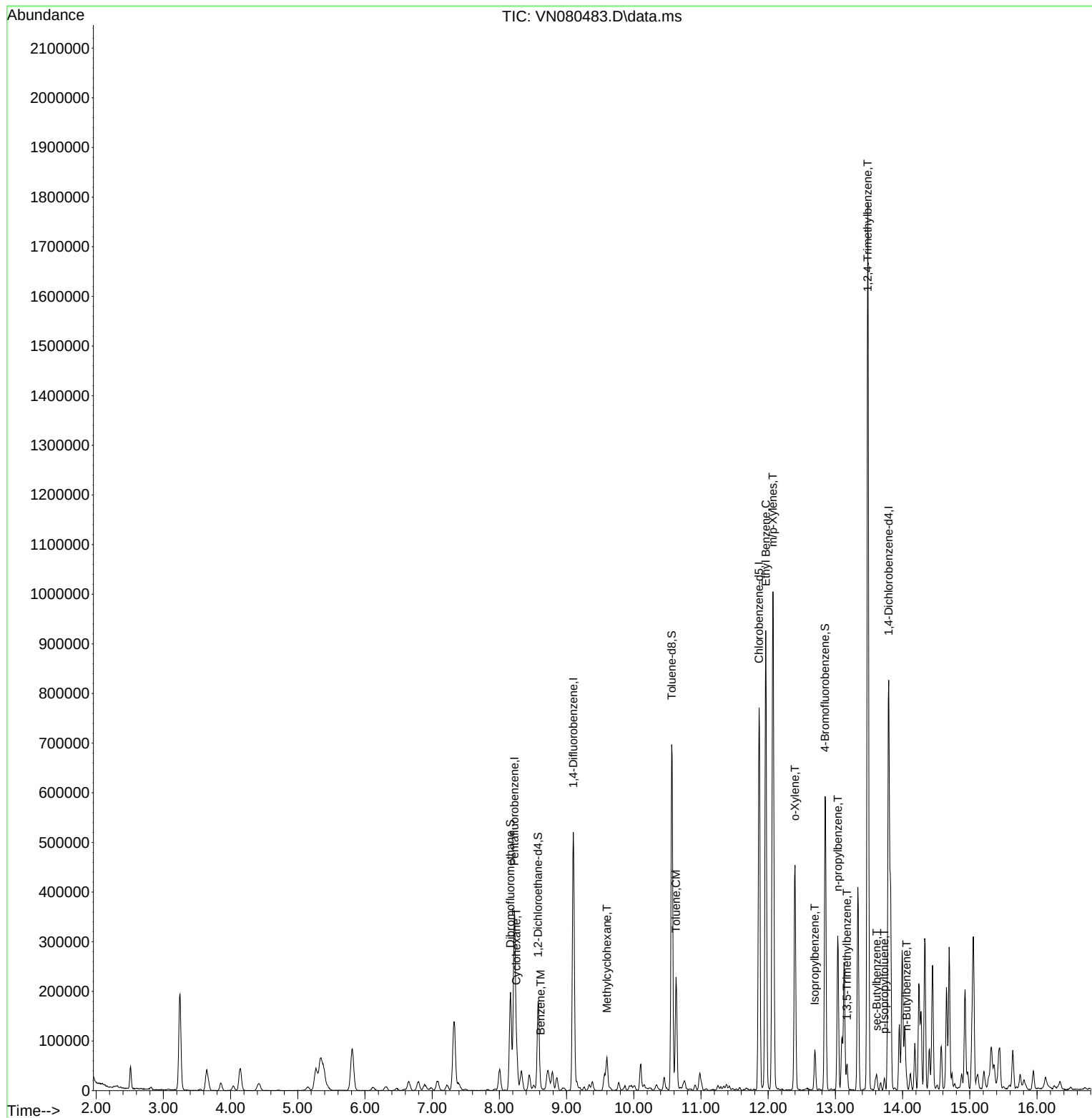
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
Data File : VN080483.D
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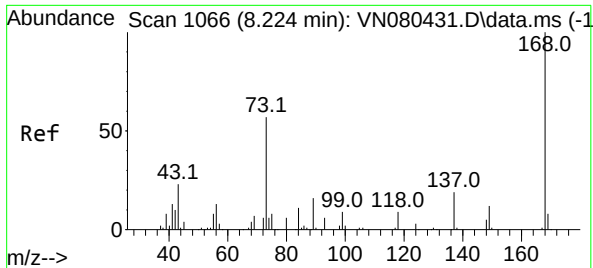
Instrument :
MSVOA_N
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MW-5B

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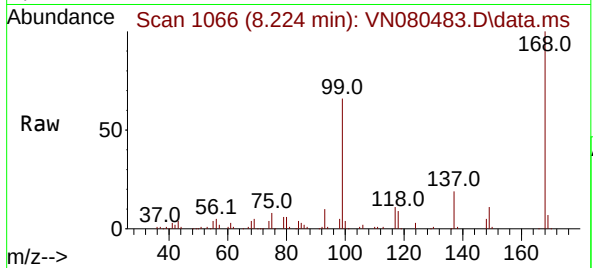
Quant Time: Dec 15 00:27:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

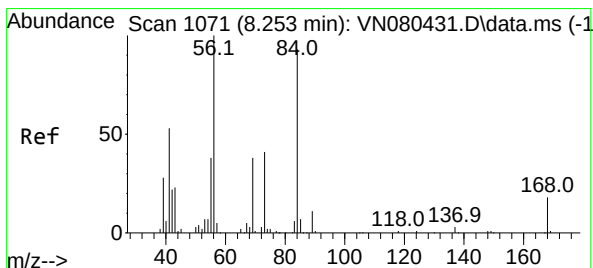
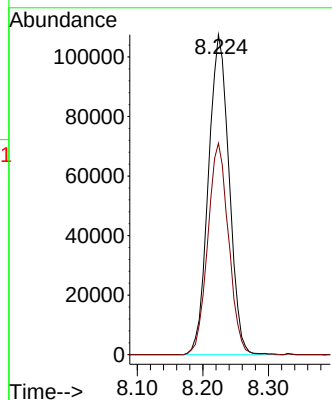
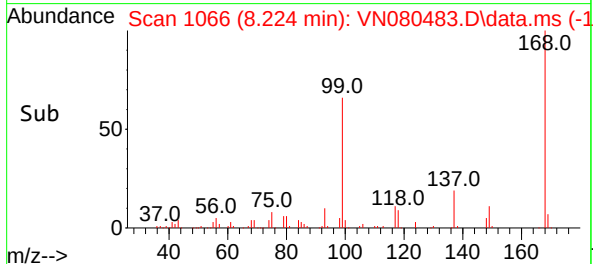
Instrument :
MSVOA_N
Client SampleId :
MW-5B



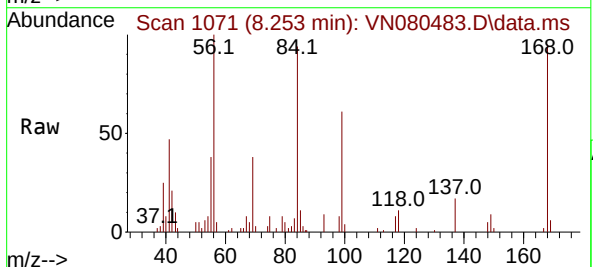
Tgt Ion:168 Resp: 235274
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6

Manual Integrations
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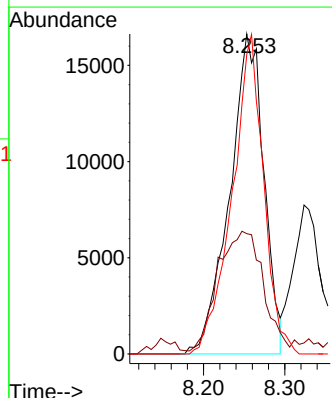
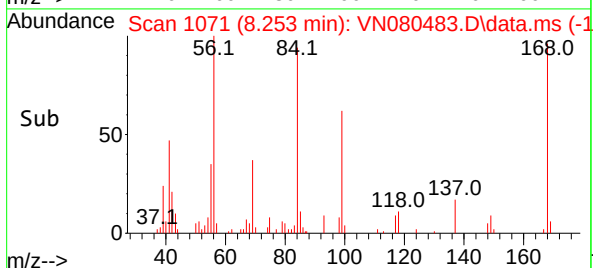
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

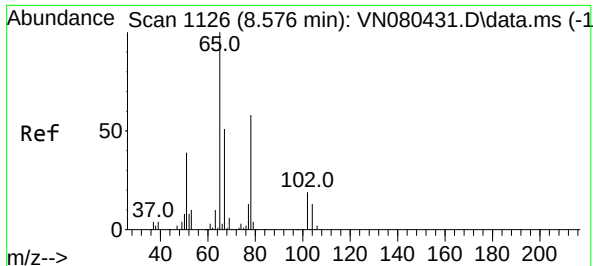


#31
Cyclohexane
Concen: 11.955 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28



Tgt Ion: 56 Resp: 48853
Ion Ratio Lower Upper
56 100
69 36.4 26.8 40.2
84 93.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.623 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080483.D

Acq: 14 Dec 2023 15:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

Tgt Ion: 65 Resp: 16113

Ion Ratio Lower Upper

65 100

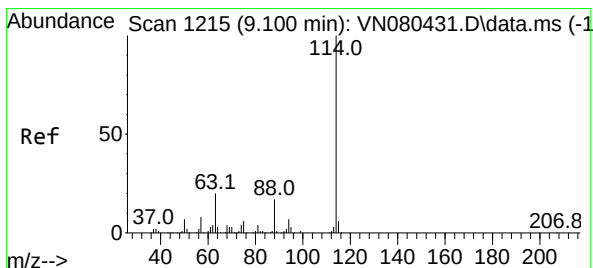
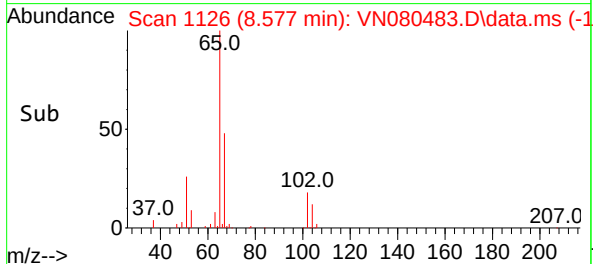
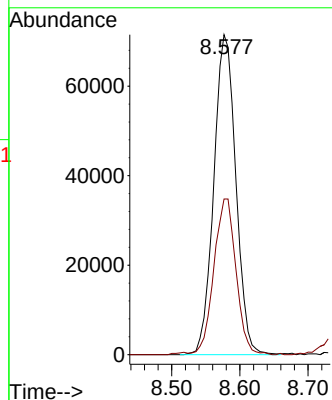
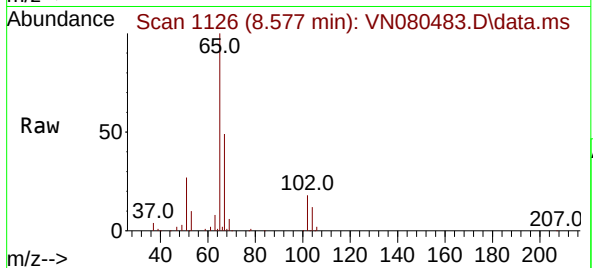
67 48.8 0.0 106.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080483.D

Acq: 14 Dec 2023 15:28

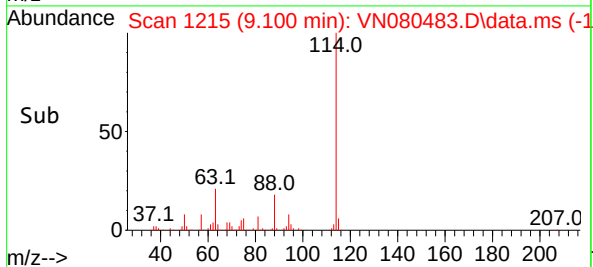
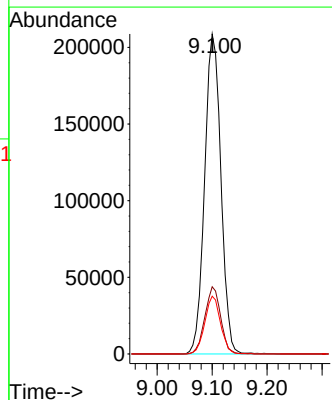
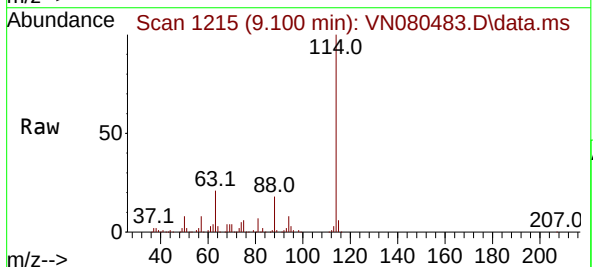
Tgt Ion:114 Resp: 429475

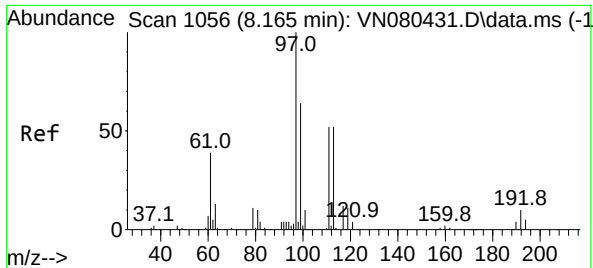
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

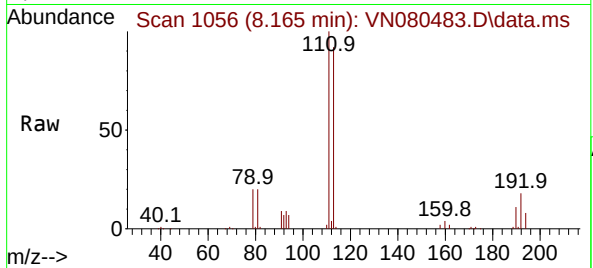
88 18.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.249 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

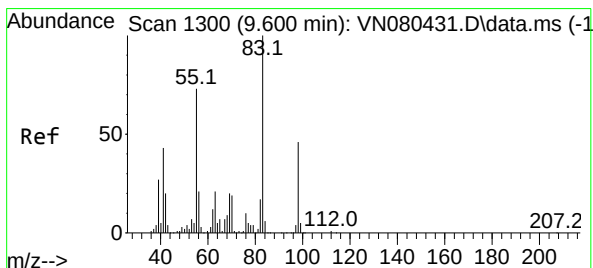
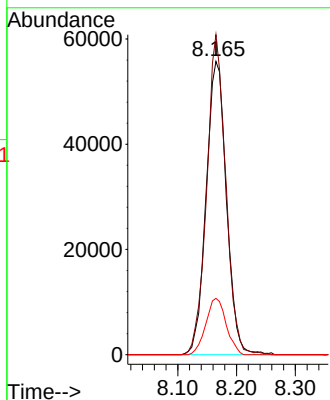
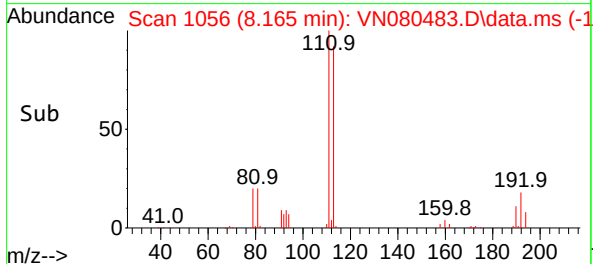
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion:113 Resp: 134108
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.1 12.7 19.1

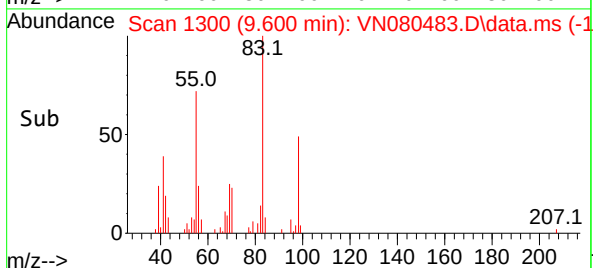
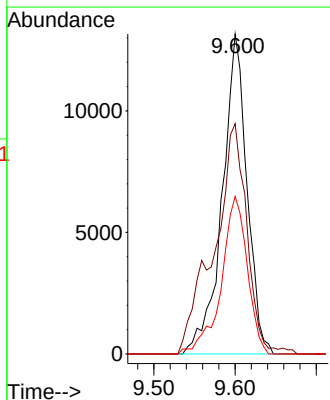
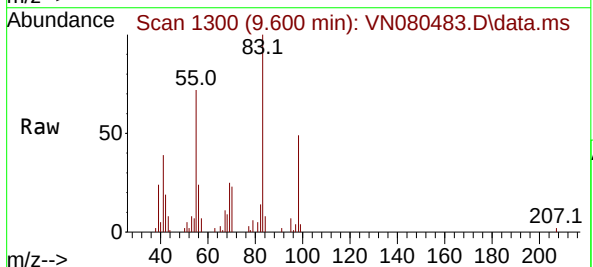
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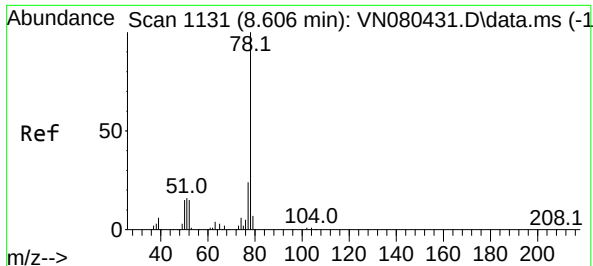
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#39
Methylcyclohexane
Concen: 6.039 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Tgt Ion: 83 Resp: 27931
Ion Ratio Lower Upper
83 100
55 72.0 49.1 73.7
98 49.2 40.6 61.0





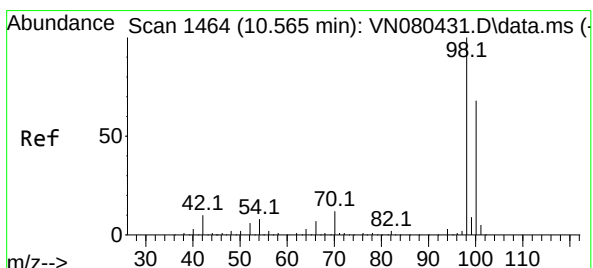
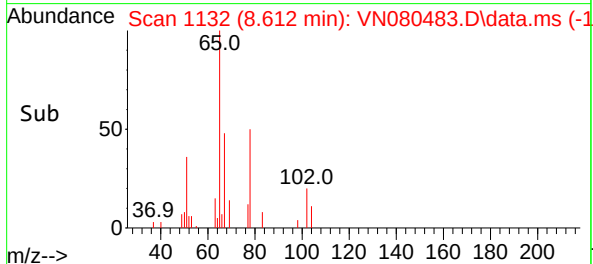
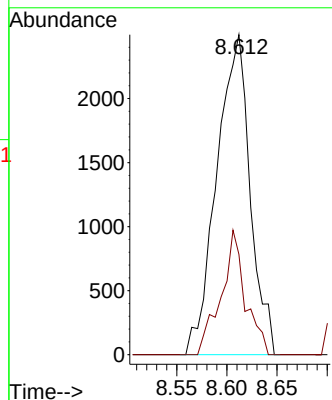
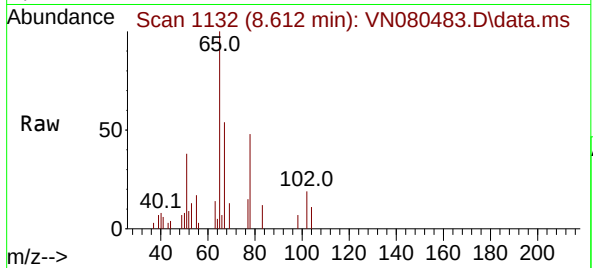
#40
Benzene
Concen: 0.449 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion: 78 Resp: 577
Ion Ratio Lower Upper
78 100
77 31.4 19.0 28.6

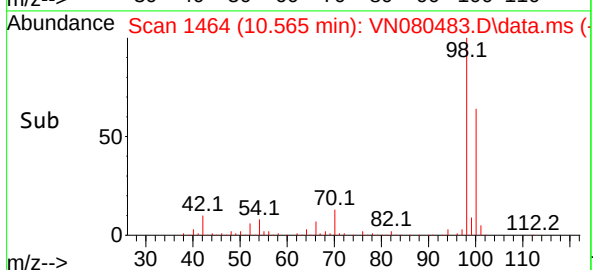
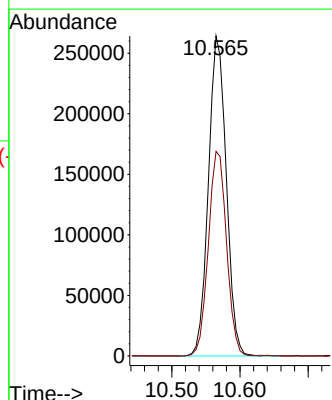
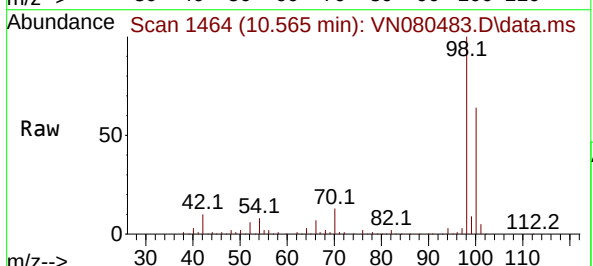
Manual Integrations
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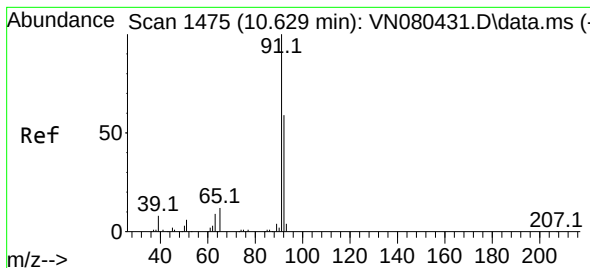
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#50
Toluene-d8
Concen: 47.460 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Tgt Ion: 98 Resp: 481984
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0





#52

Toluene

Concen: 12.211 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080483.D

Acq: 14 Dec 2023 15:28

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

Tgt Ion: 92 Resp: 99170

Ion Ratio Lower Upper

92 100

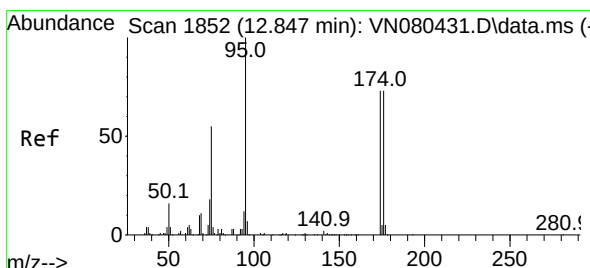
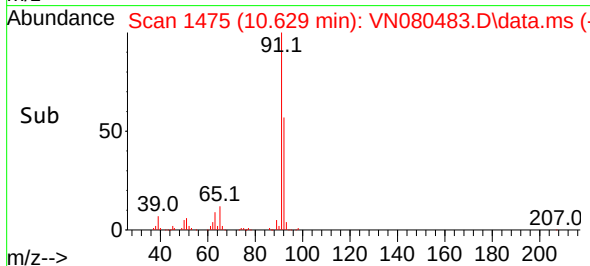
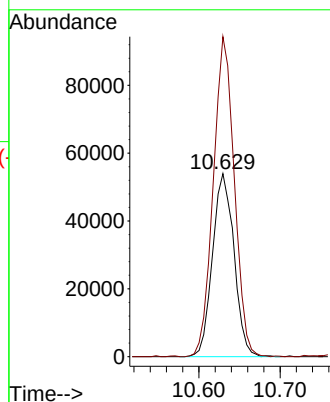
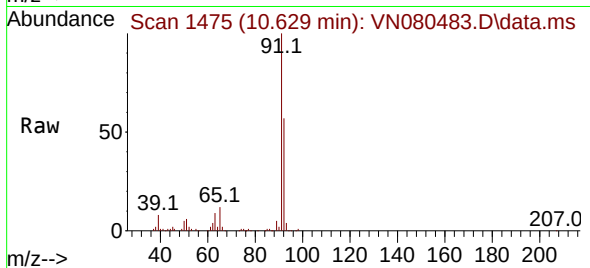
91 171.4 137.4 206.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#62

4-Bromofluorobenzene

Concen: 54.830 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080483.D

Acq: 14 Dec 2023 15:28

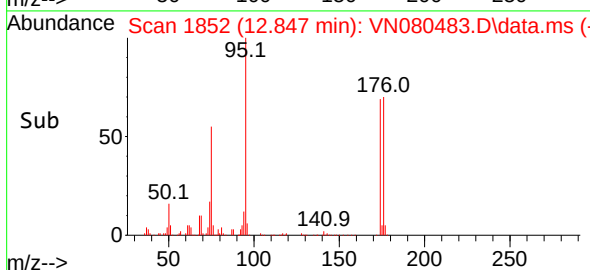
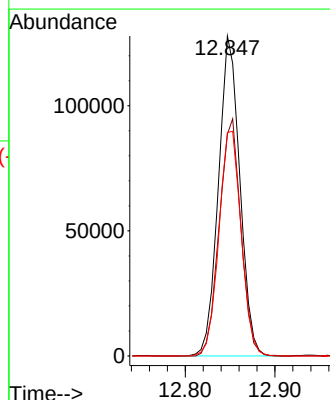
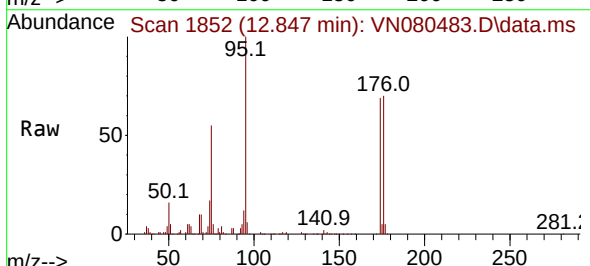
Tgt Ion: 95 Resp: 211442

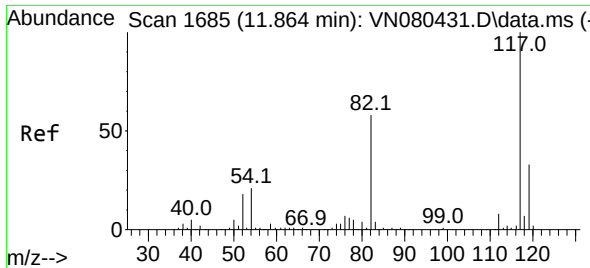
Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.8

176 73.3 0.0 135.8





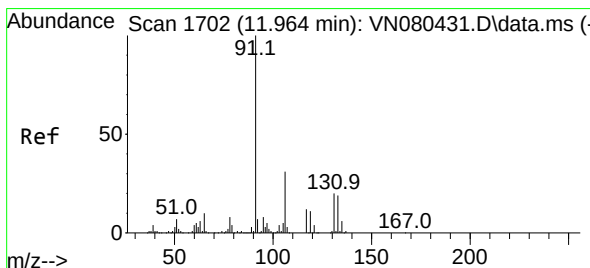
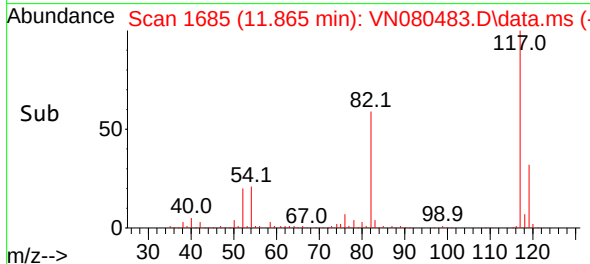
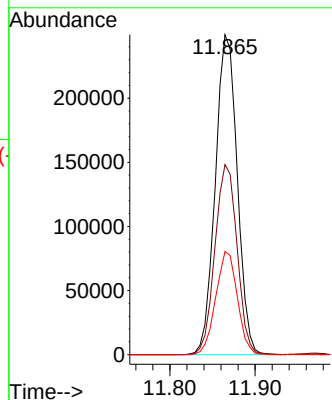
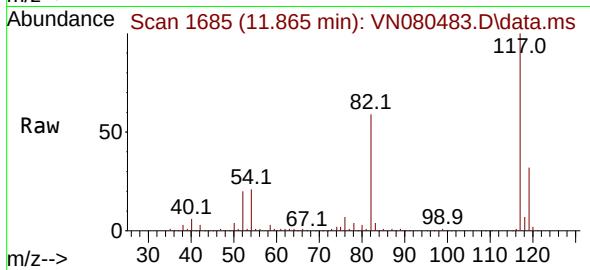
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:117 Resp: 44726
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 32.2 25.6 38.4

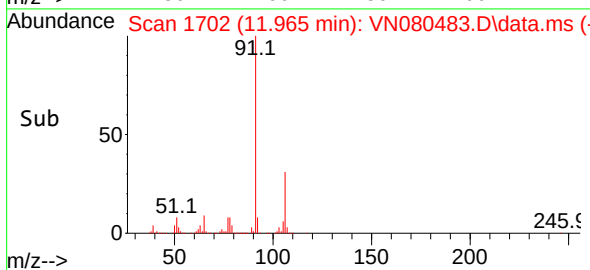
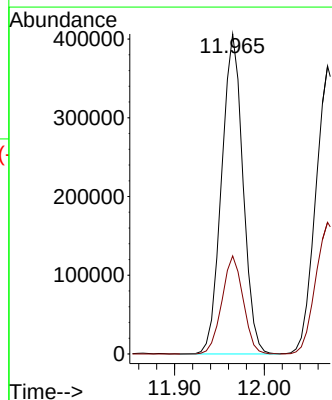
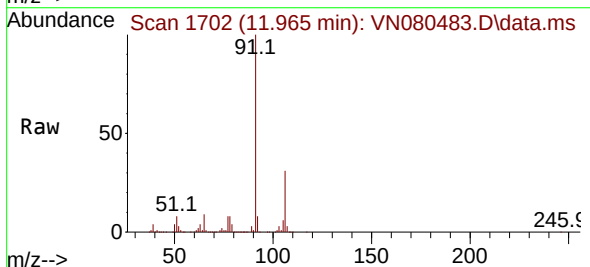
Manual Integrations
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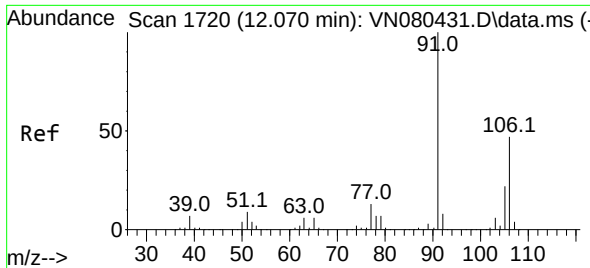
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#67
Ethyl Benzene
Concen: 36.701 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Tgt Ion: 91 Resp: 671419
Ion Ratio Lower Upper
91 100
106 30.6 25.6 38.4





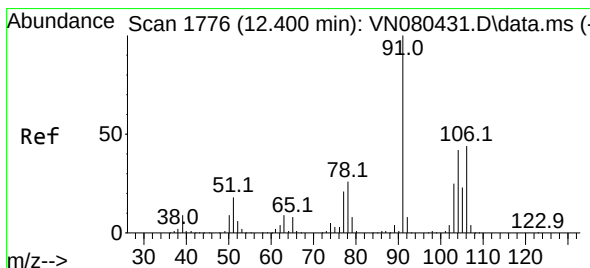
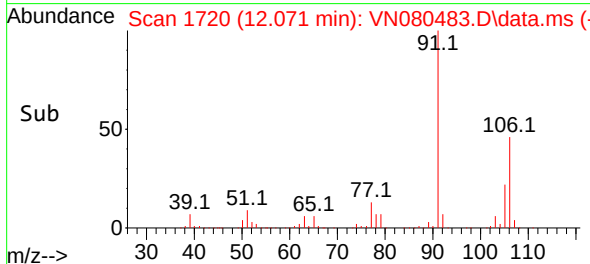
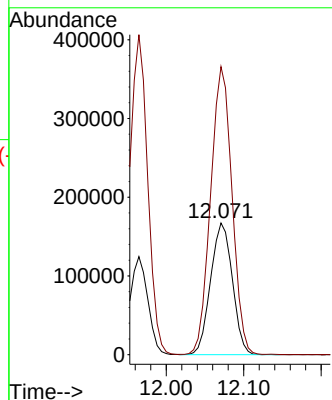
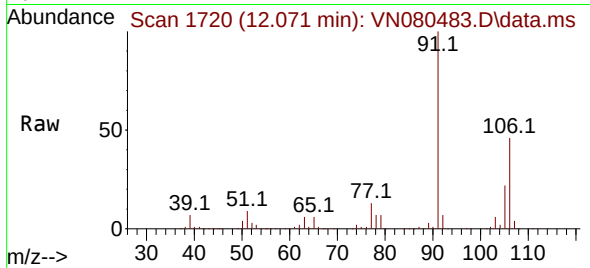
#68
m/p-Xylenes
Concen: 48.308 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:106 Resp: 326572
Ion Ratio Lower Upper
106 100
91 214.7 159.6 239.4

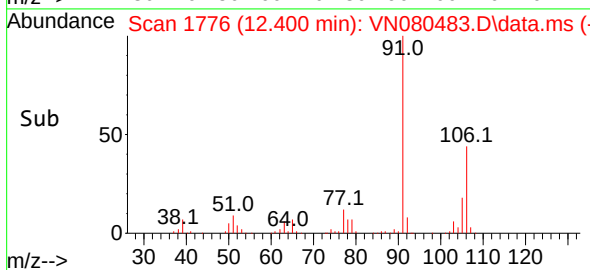
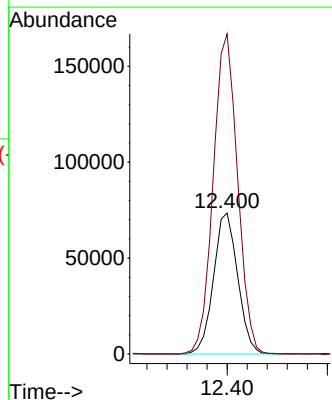
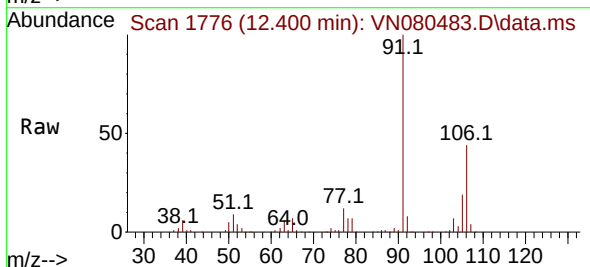
Manual Integrations
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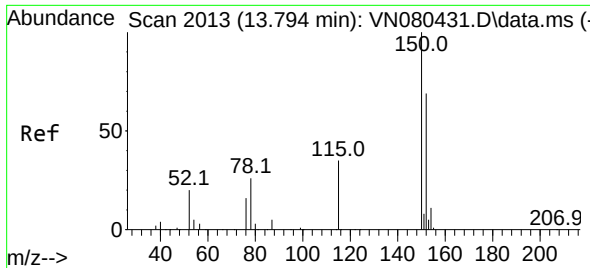
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#69
o-Xylene
Concen: 18.570 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

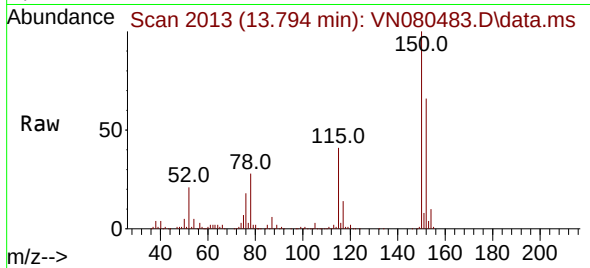
Tgt Ion:106 Resp: 122792
Ion Ratio Lower Upper
106 100
91 228.7 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

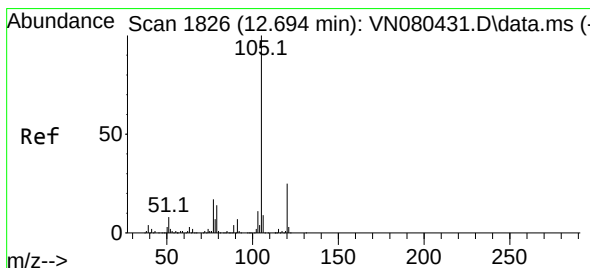
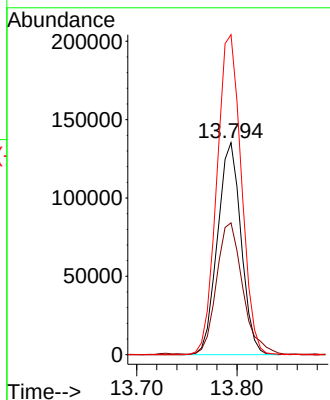
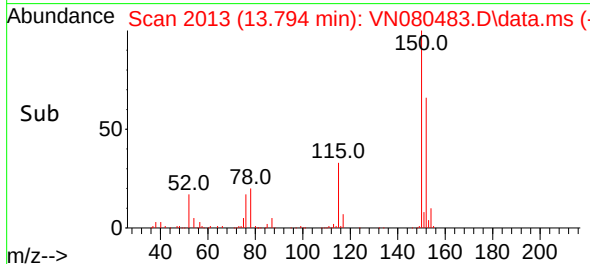
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



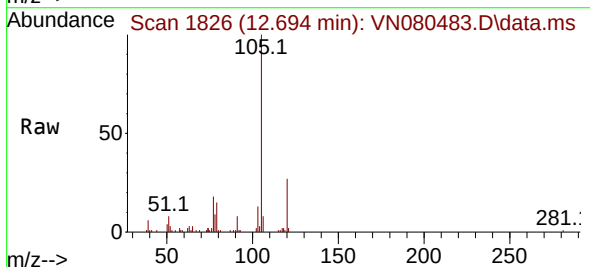
Tgt Ion:152 Resp: 22040
Ion Ratio Lower Upper
152 100
115 69.8 32.3 96.8
150 156.9 0.0 355.8

Manual Integrations
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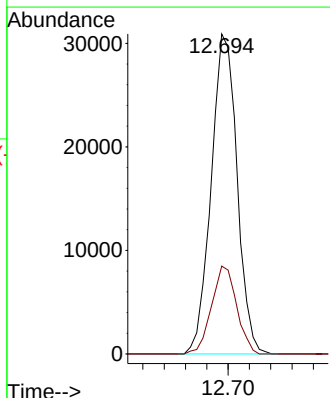
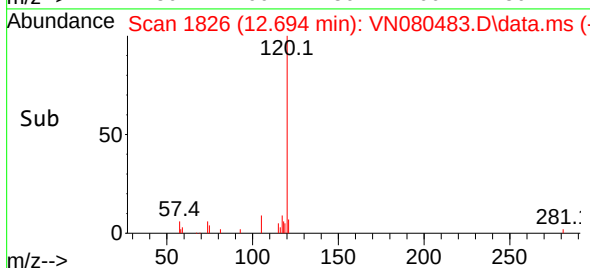
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

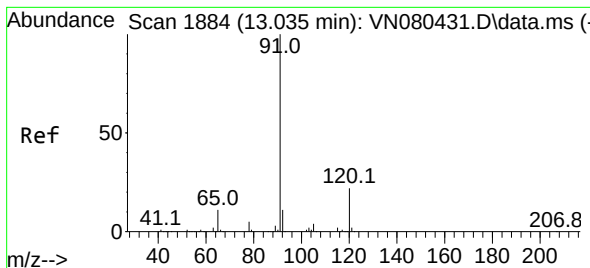


#73
Isopropylbenzene
Concen: 2.943 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28



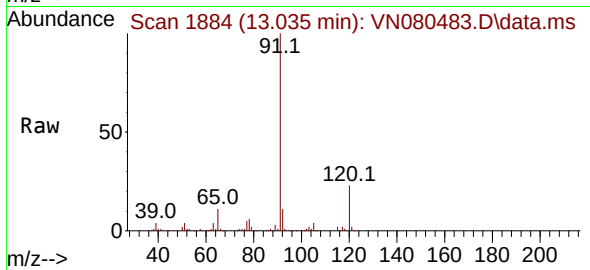
Tgt Ion:105 Resp: 52099
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.1





#78
n-propylbenzene
Concen: 12.651 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

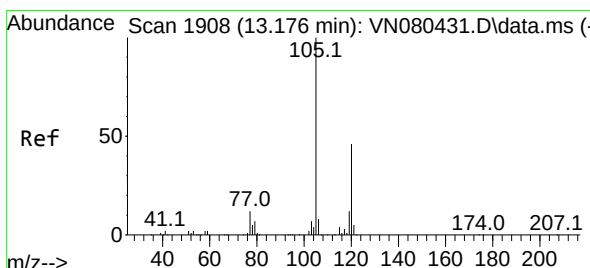
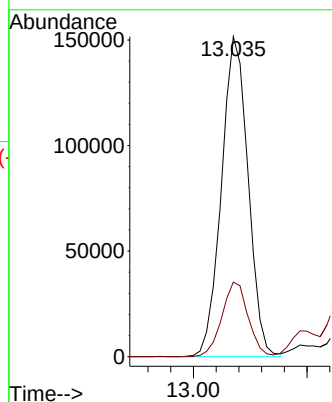
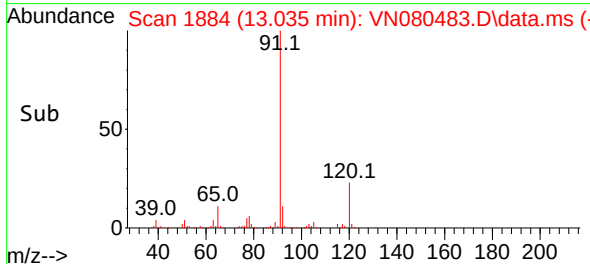
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



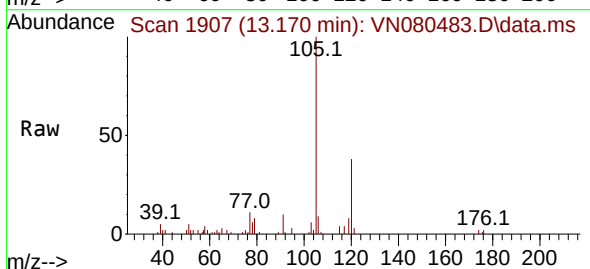
Tgt Ion: 91 Resp: 246972
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4

Manual Integrations
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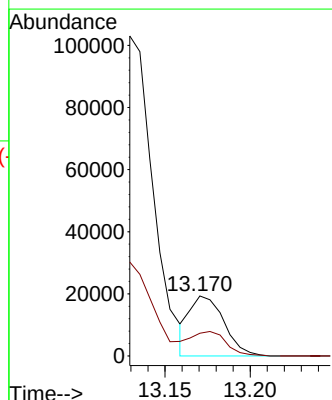
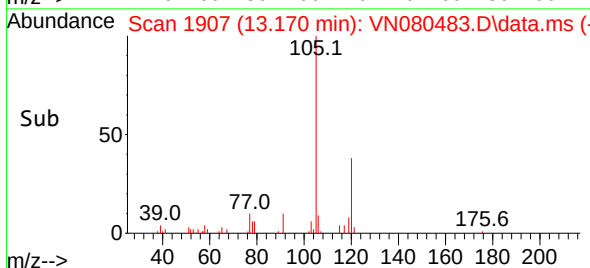
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

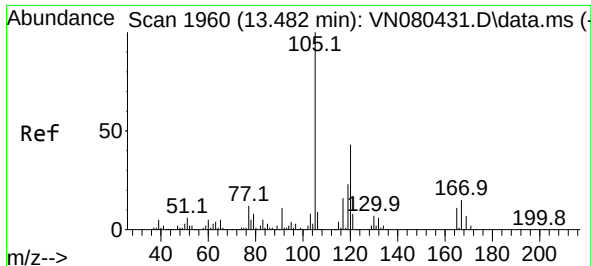


#80
1,3,5-Trimethylbenzene
Concen: 1.788 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28



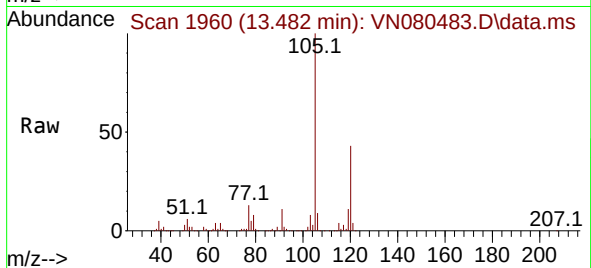
Tgt Ion:105 Resp: 27259
Ion Ratio Lower Upper
105 100
120 41.9 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 67.969 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

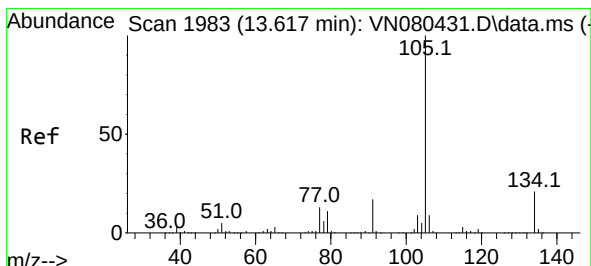
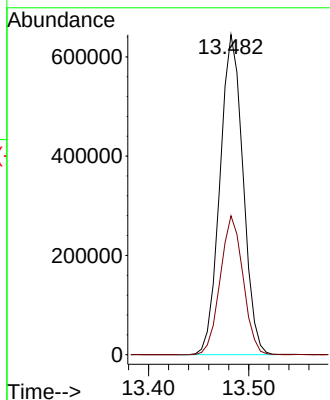
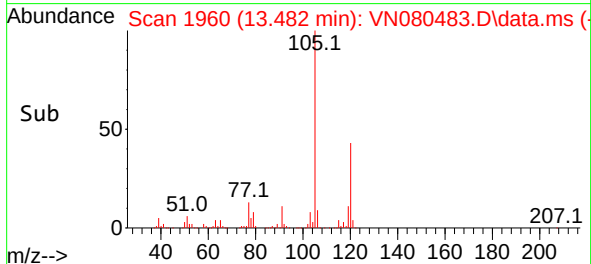
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



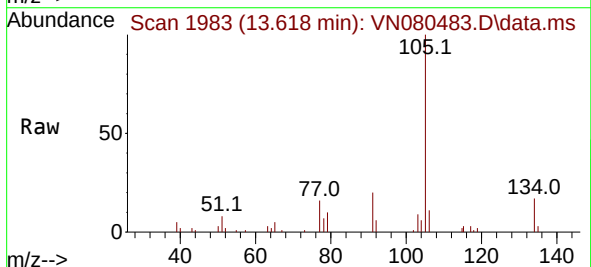
Tgt Ion:105 Resp: 1031104
Ion Ratio Lower Upper
105 100
120 42.8 22.0 66.0

Manual Integrations
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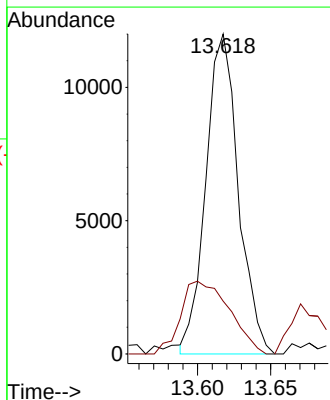
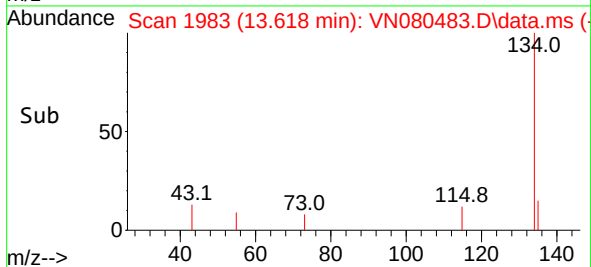
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

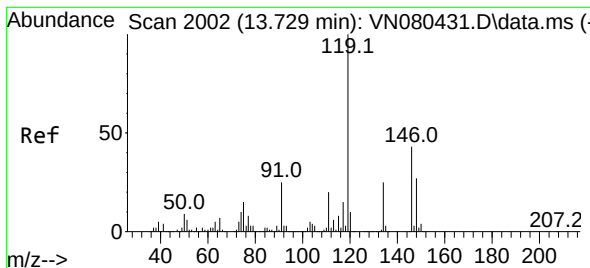


#85
sec-Butylbenzene
Concen: 1.161 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28



Tgt Ion:105 Resp: 18544
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





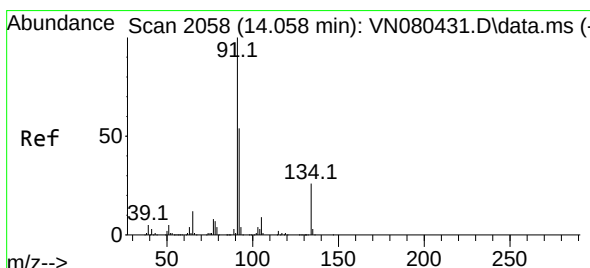
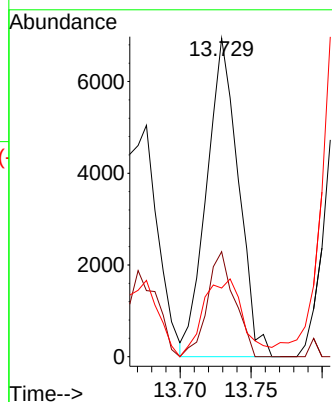
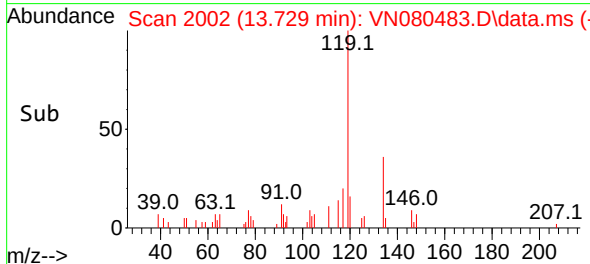
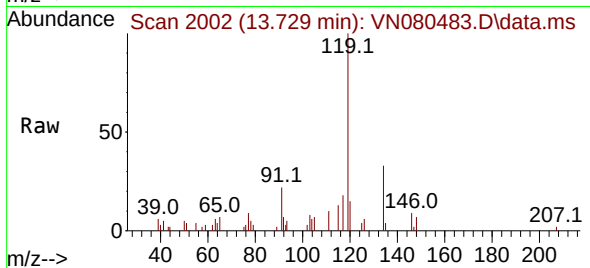
#86
p-Isopropyltoluene
Concen: 0.749 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:119 Resp: 1080
Ion Ratio Lower Upper
119 100
134 28.5 12.6 37.8
91 0.0 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#89
n-Butylbenzene
Concen: 1.035 ug/l m
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080483.D
Acq: 14 Dec 2023 15:28

Tgt Ion: 91 Resp: 12471
Ion Ratio Lower Upper
91 100
92 68.4 26.4 79.0
134 0.0 12.6 37.6

