

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081496.D
 Acq On : 20 Mar 2024 16:10
 Operator : JC\MD
 Sample : P1784-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5B

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/21/2024
 Supervised By :Mahesh Dadoda 03/21/2024

Quant Time: Mar 21 01:21:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	567144	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	950229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	825526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	374556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	332446	45.965	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.920%		
35) Dibromofluoromethane	8.165	113	286823	47.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	10.565	98	1138212	52.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.020%		
62) 4-Bromofluorobenzene	12.847	95	378537	49.556	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	99.120%		
Target Compounds						
						Qvalue
25) 2-Butanone	7.494	43	40661	10.142	ug/l	# 65
31) Cyclohexane	8.259	56	1543100	131.111	ug/l	# 72
39) Methylcyclohexane	9.600	83	1005172	89.188	ug/l	87
40) Benzene	8.612	78	65004	2.203	ug/l	97
52) Toluene	10.630	92	1963902	104.724	ug/l	99
65) Chlorobenzene	11.888	112	5476	0.281	ug/l	# 80
67) Ethyl Benzene	11.965	91	15588912	459.854	ug/l	# 89
68) m/p-Xylenes	12.071	106	10766484	847.190	ug/l	80
69) o-Xylene	12.400	106	3318134	265.957	ug/l	97
73) Isopropylbenzene	12.694	105	1354192	42.415	ug/l	98
78) n-propylbenzene	13.035	91	6721963	178.279	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	845315	32.055	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	17750752	669.732	ug/l	73
85) sec-Butylbenzene	13.618	105	490722m	15.095	ug/l	
86) p-Isopropyltoluene	13.729	119	260897	9.818	ug/l	# 72
89) n-Butylbenzene	14.053	91	297467m	12.624	ug/l	

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

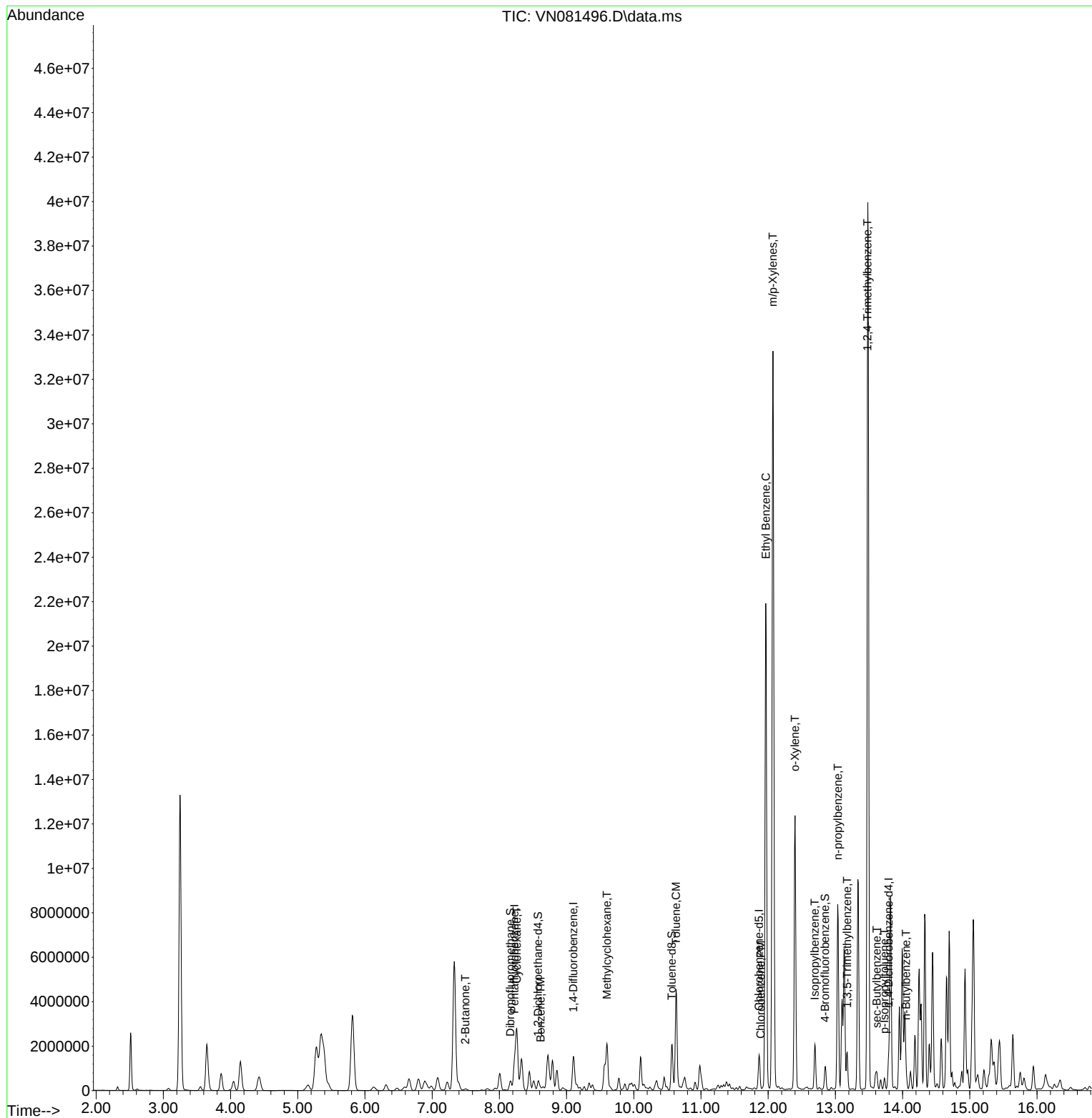
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
Data File : VN081496.D
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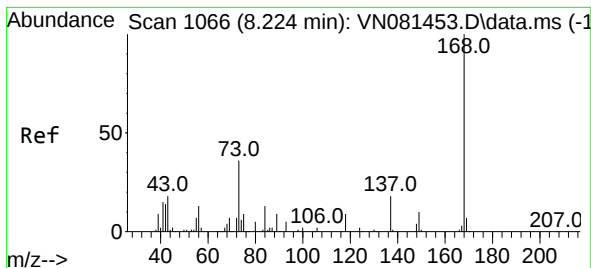
Instrument :
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MW-5B

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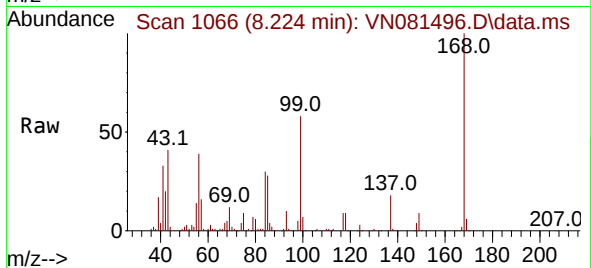
Quant Time: Mar 21 01:21:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

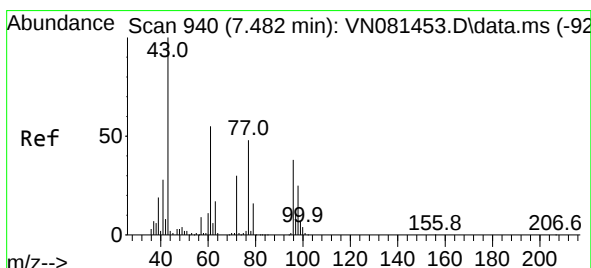
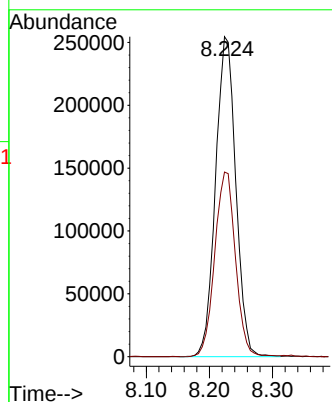
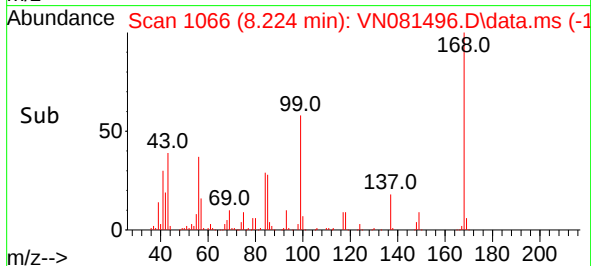
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



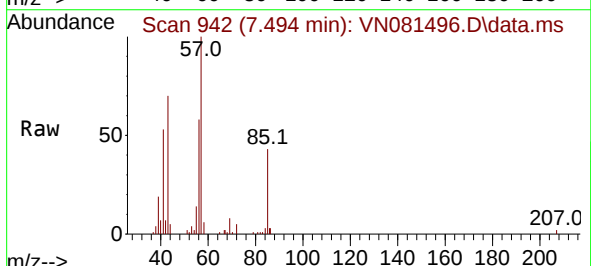
Tgt Ion:168 Resp: 567144
Ion Ratio Lower Upper
168 100
99 57.7 59.9 89.9

Manual Integrations
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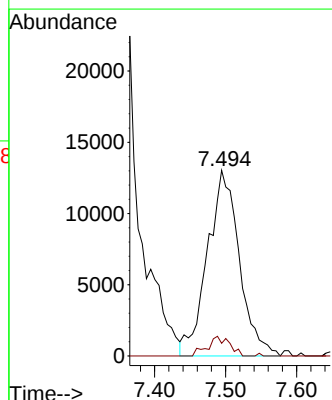
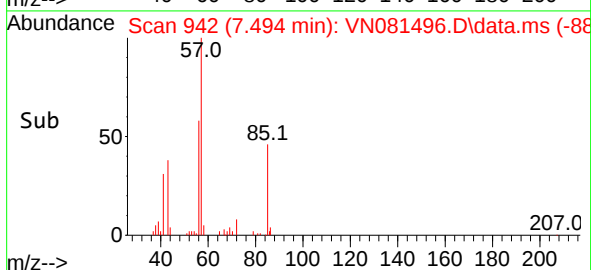
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

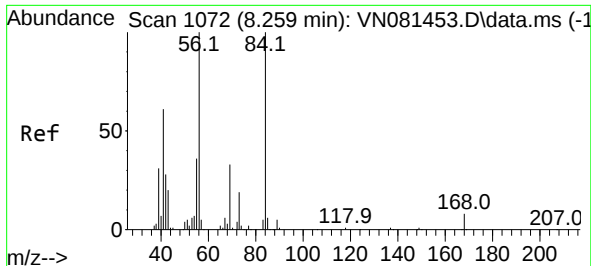


#25
2-Butanone
Concen: 10.142 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10



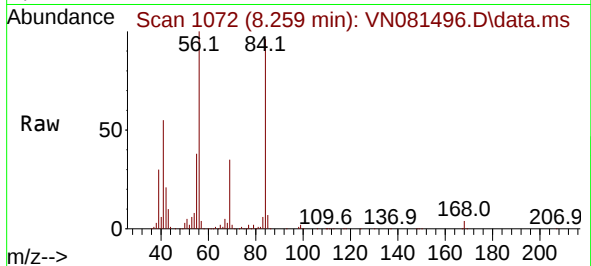
Tgt Ion: 43 Resp: 40661
Ion Ratio Lower Upper
43 100
72 6.8 19.5 29.3





#31
Cyclohexane
Concen: 131.111 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

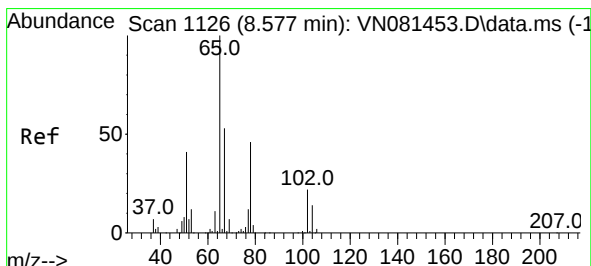
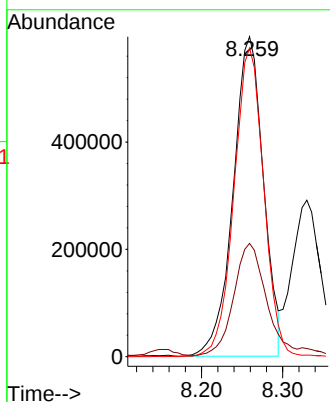
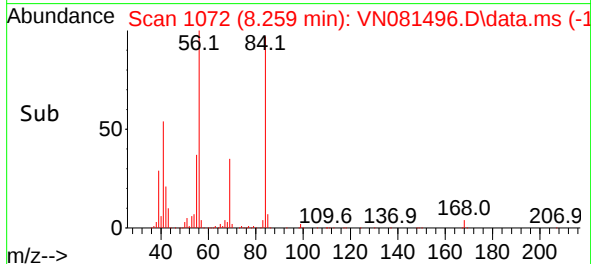
Instrument :
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Client Sample Id :
MW-5B



Tgt Ion: 56 Resp: 1543100
Ion Ratio Lower Upper
56 100
69 34.3 20.1 30.1
84 96.6 56.9 85.3

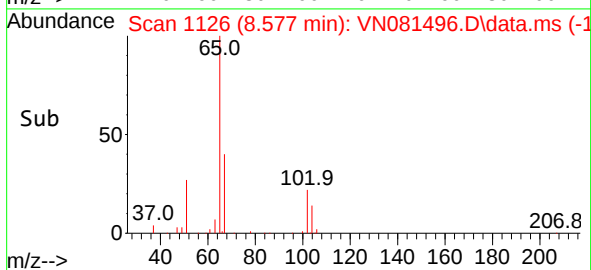
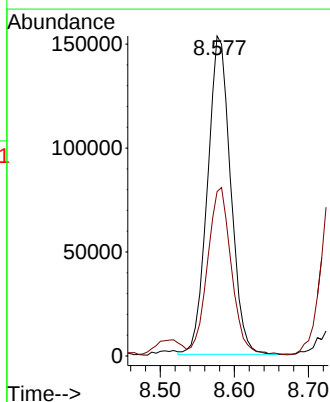
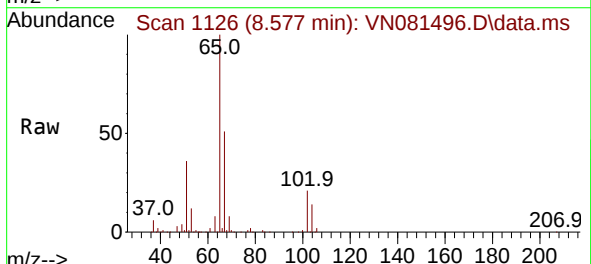
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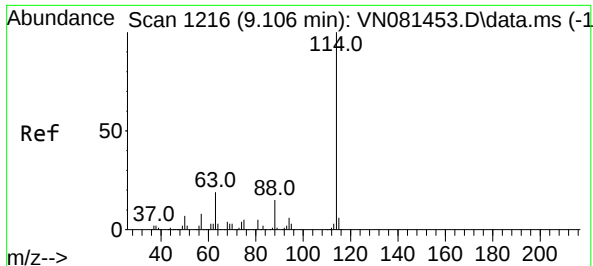
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#33
1,2-Dichloroethane-d4
Concen: 45.965 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

Tgt Ion: 65 Resp: 332446
Ion Ratio Lower Upper
65 100
67 54.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081496.D

Acq: 20 Mar 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

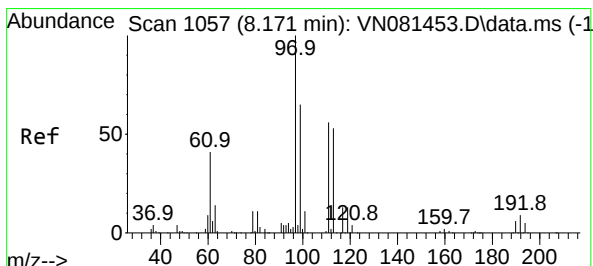
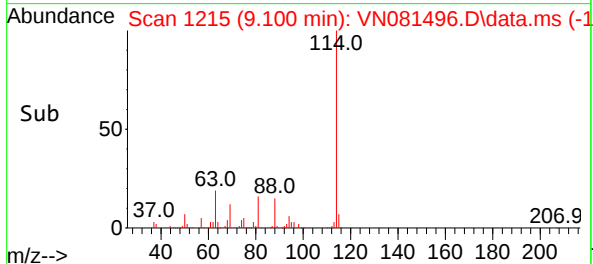
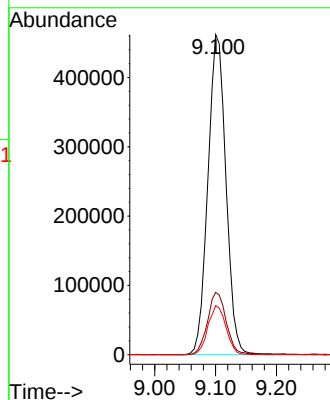
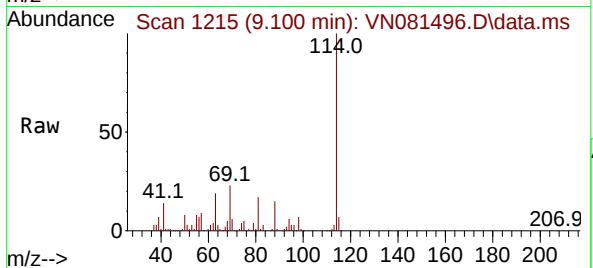
Tgt Ion:	114	Resp:	950229
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	48.0
88	15.4	0.0	34.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 47.828 ug/l

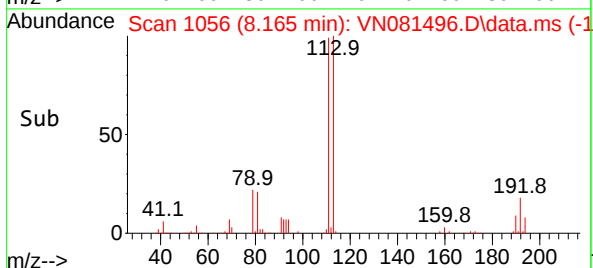
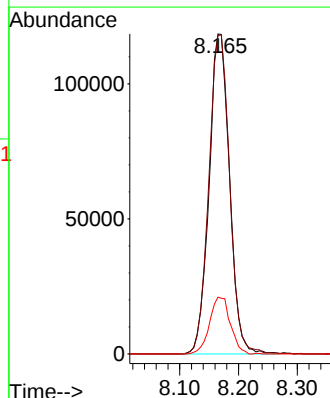
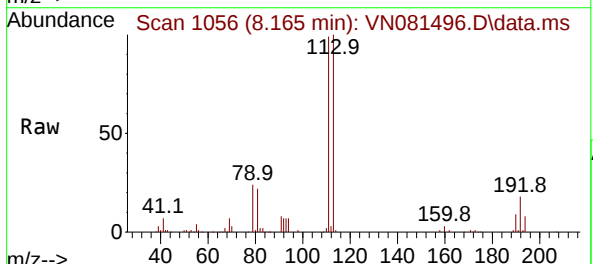
RT: 8.165 min Scan# 1056

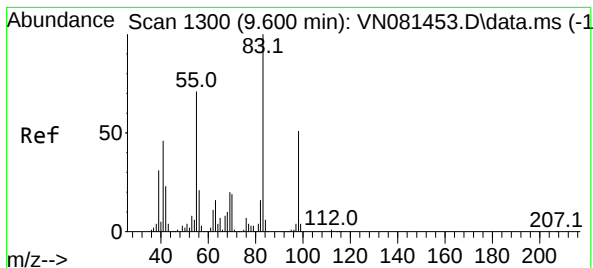
Delta R.T. -0.006 min

Lab File: VN081496.D

Acq: 20 Mar 2024 16:10

Tgt Ion:	113	Resp:	286823
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.2	123.4
192	18.0	12.5	18.7





#39

Methylcyclohexane

Concen: 89.188 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN081496.D

Acq: 20 Mar 2024 16:10

Instrument :

MSVOA_N

ClientSampleId :

MW-5B

Tgt Ion: 83 Resp: 100517

Ion Ratio Lower Upper

83 100

55 70.1 65.7 98.5

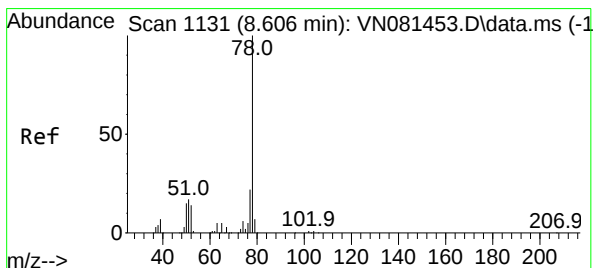
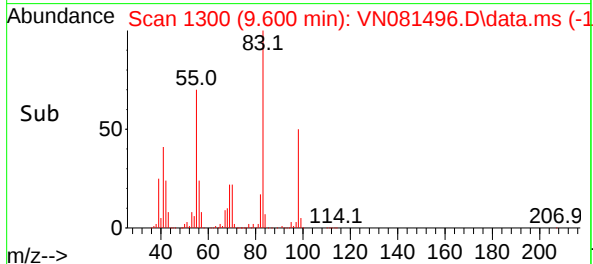
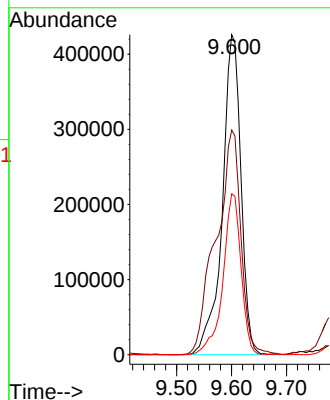
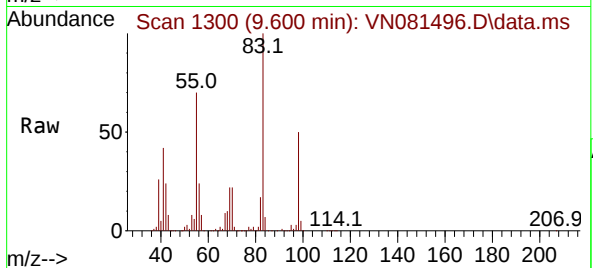
98 50.3 33.8 50.6

Manual Integrations

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Reviewed By :John Carlone 03/21/2024

Supervised By :Mahesh Dadoda 03/21/2024



#40

Benzene

Concen: 2.203 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN081496.D

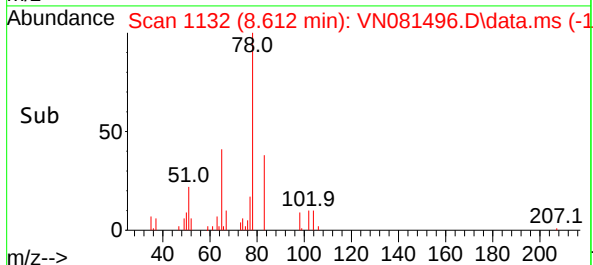
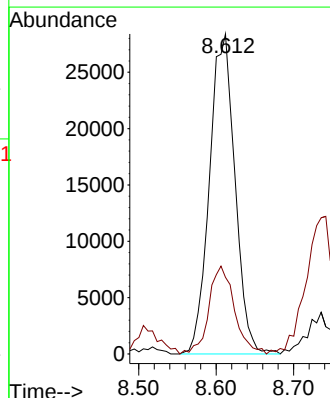
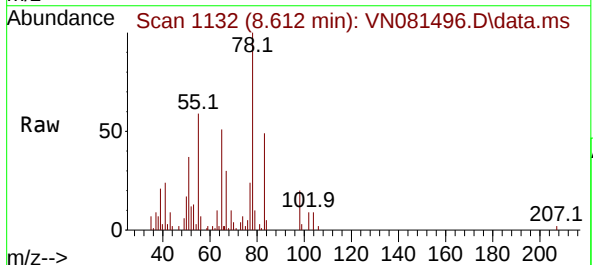
Acq: 20 Mar 2024 16:10

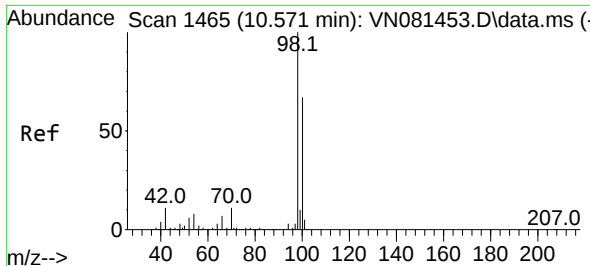
Tgt Ion: 78 Resp: 65004

Ion Ratio Lower Upper

78 100

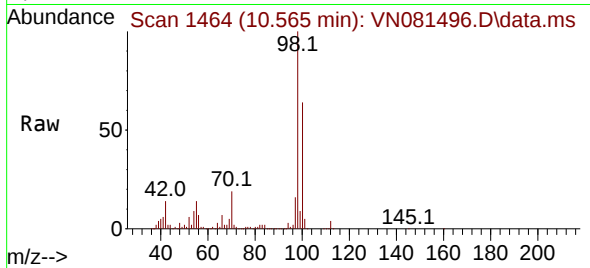
77 23.9 20.4 30.6





#50
Toluene-d8
Concen: 52.505 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

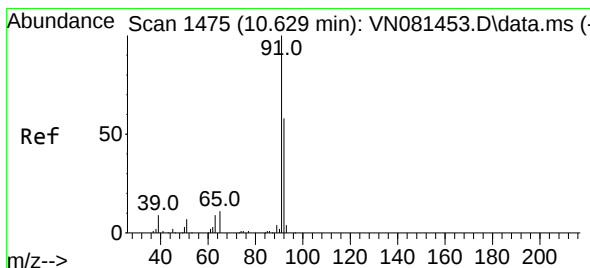
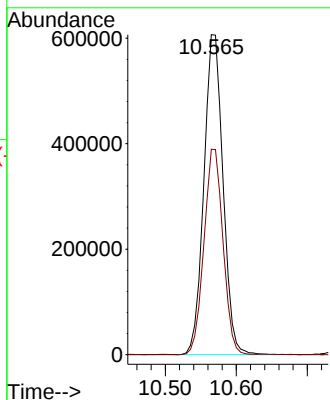
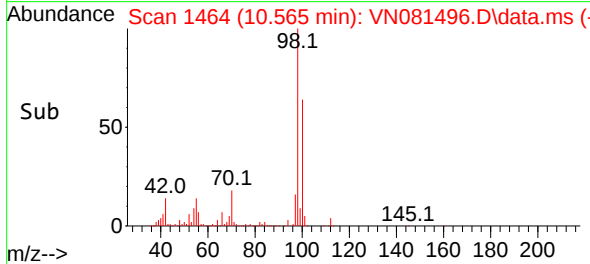
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion: 98 Resp: 113821
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

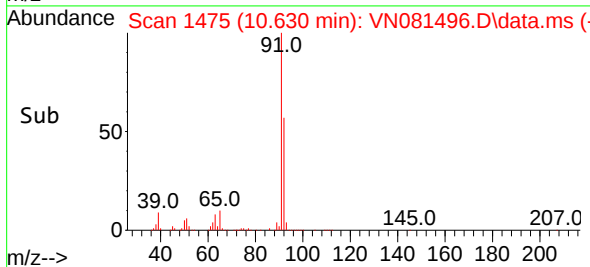
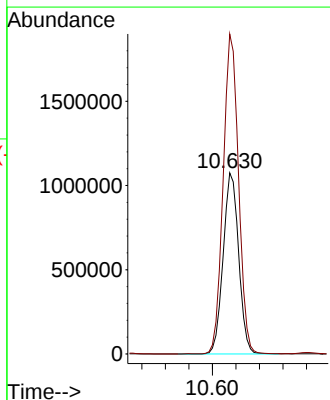
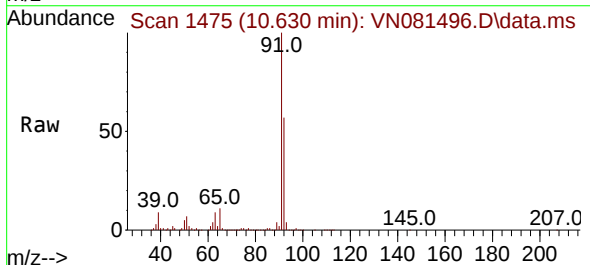
Manual Integrations
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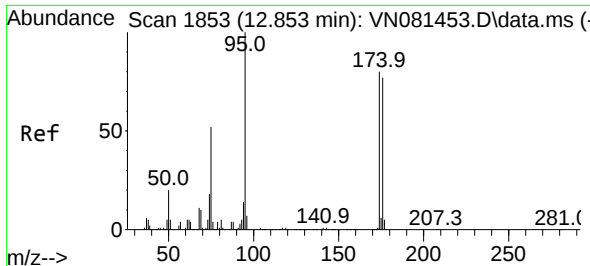
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#52
Toluene
Concen: 104.724 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

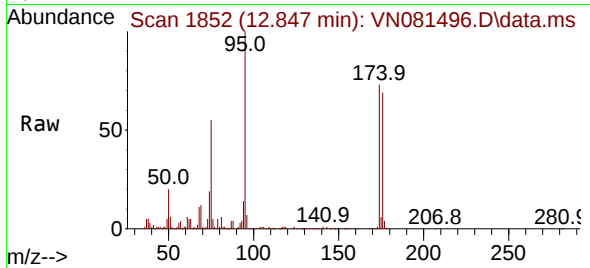
Tgt Ion: 92 Resp: 1963902
Ion Ratio Lower Upper
92 100
91 174.9 139.4 209.0





#62
4-Bromofluorobenzene
Concen: 49.556 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

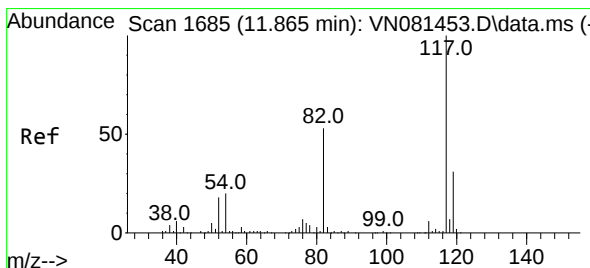
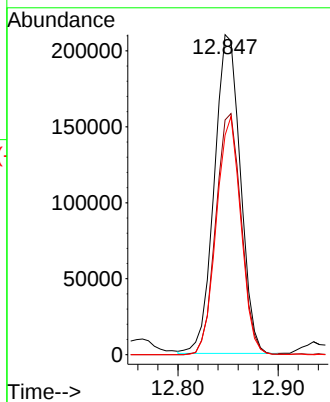
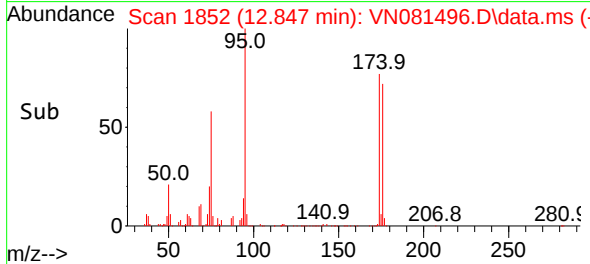
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



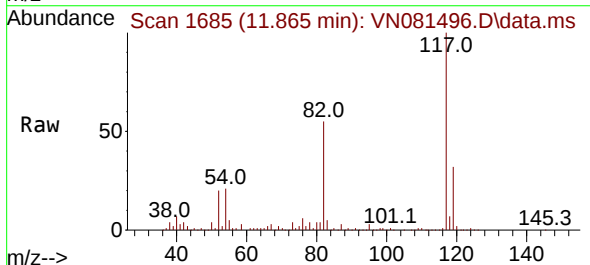
Tgt Ion: 95 Resp: 37853
Ion Ratio Lower Upper
95 100
174 73.7 0.0 120.4
176 70.1 0.0 121.0

Manual Integrations
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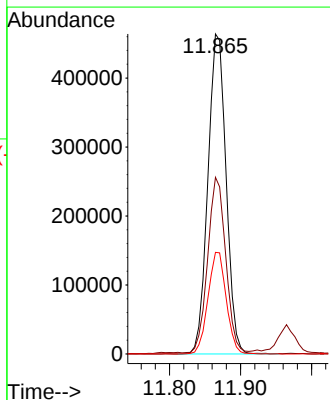
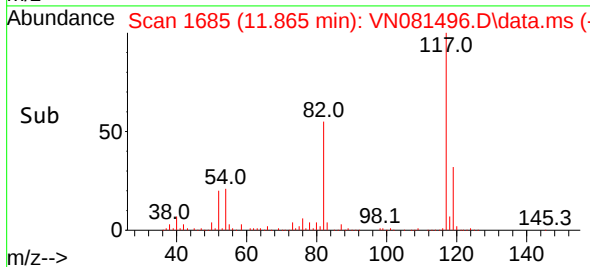
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

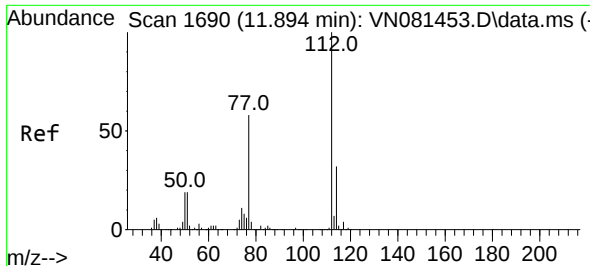


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10



Tgt Ion:117 Resp: 825526
Ion Ratio Lower Upper
117 100
82 54.7 52.7 79.1
119 31.8 25.3 37.9





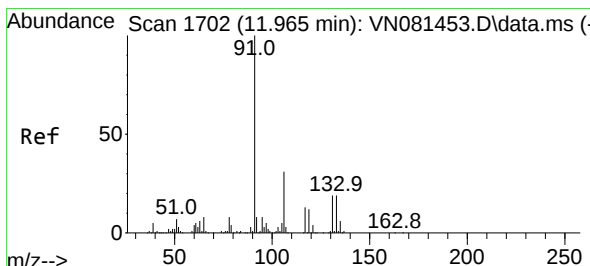
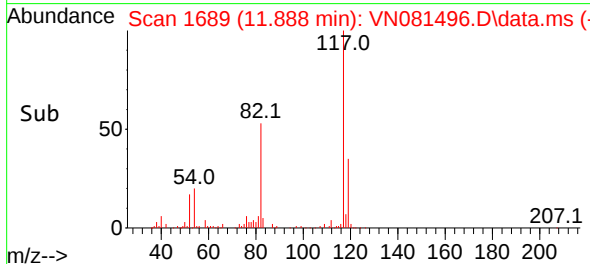
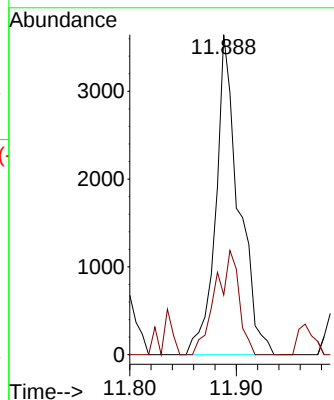
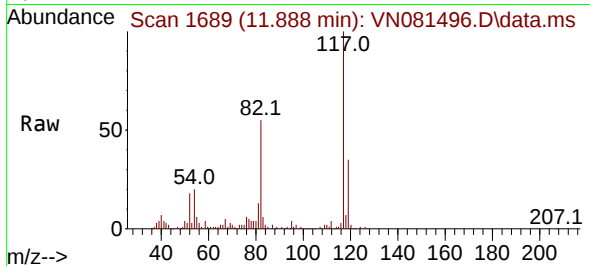
#65
Chlorobenzene
Concen: 0.281 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:112 Resp: 5470
Ion Ratio Lower Upper
112 100
114 18.7 23.7 35.5

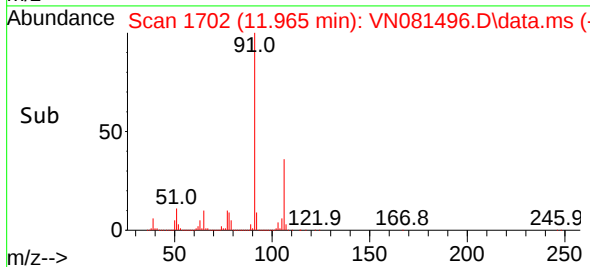
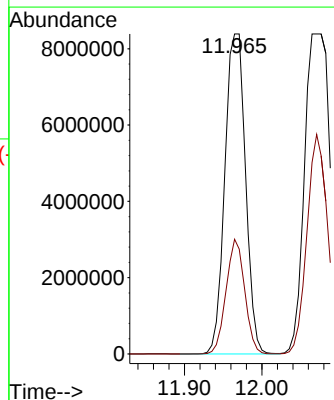
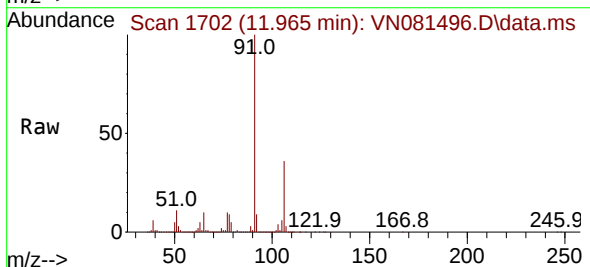
Manual Integrations
APPROVED

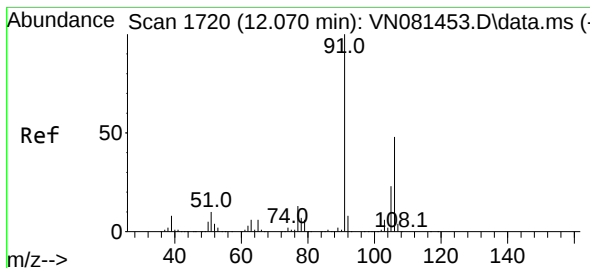
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#67
Ethyl Benzene
Concen: 459.854 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

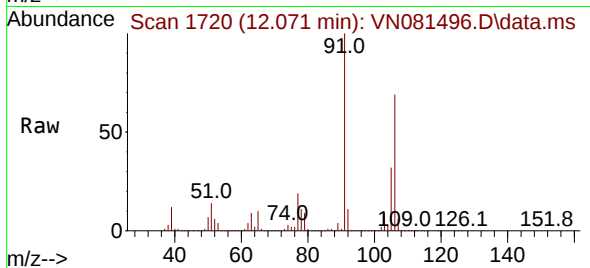
Tgt Ion: 91 Resp:15588912
Ion Ratio Lower Upper
91 100
106 35.9 23.8 35.6





#68
m/p-Xylenes
Concen: 847.190 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

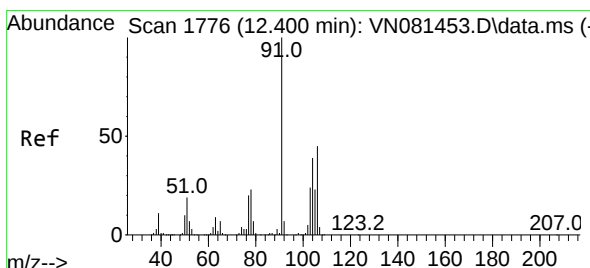
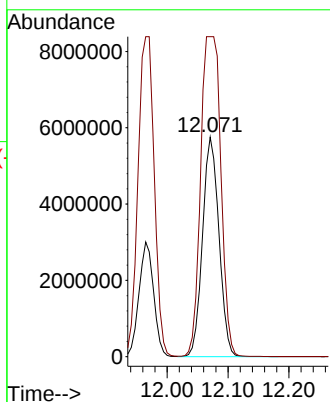
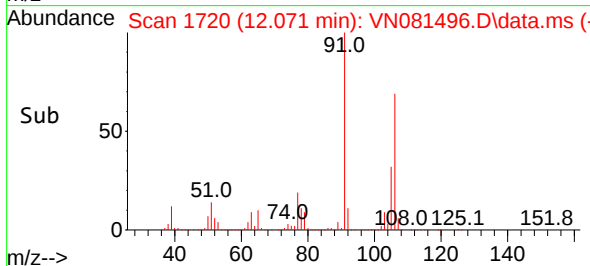
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



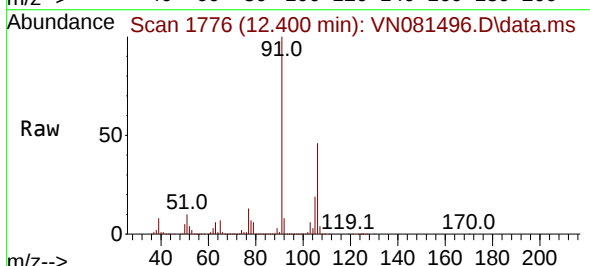
Tgt Ion:106 Resp:10766484
Ion Ratio Lower Upper
106 100
91 179.6 169.0 253.6

Manual Integrations
APPROVED

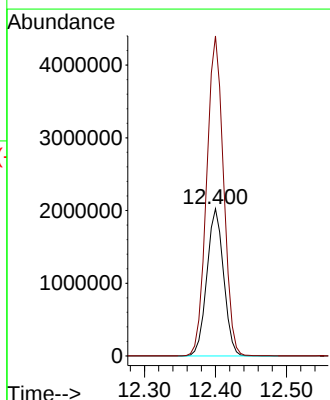
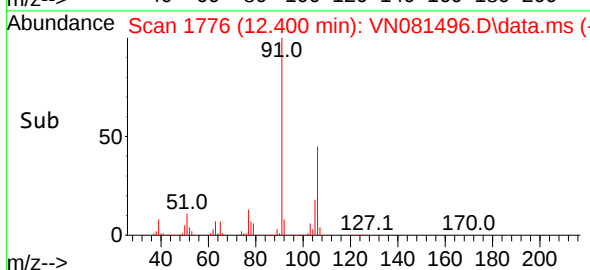
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

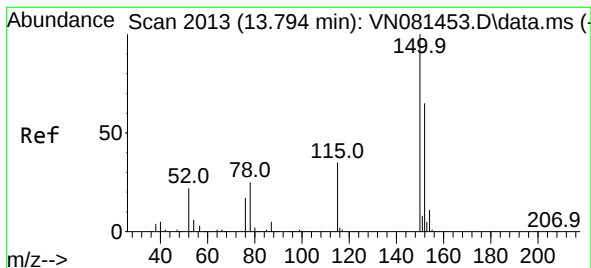


#69
o-Xylene
Concen: 265.957 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10



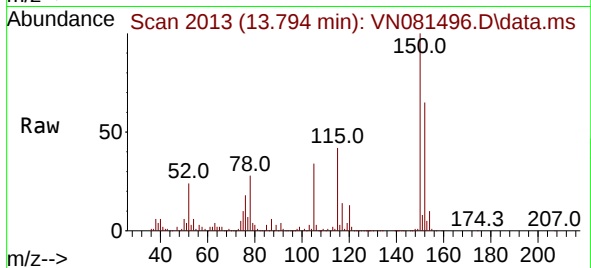
Tgt Ion:106 Resp: 3318134
Ion Ratio Lower Upper
106 100
91 219.5 112.1 336.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

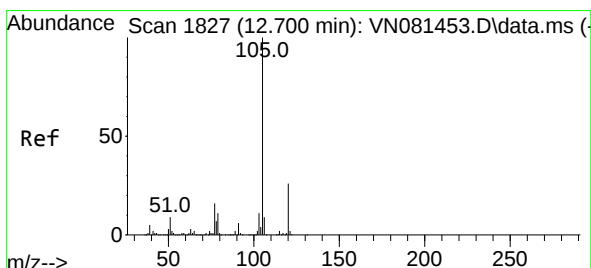
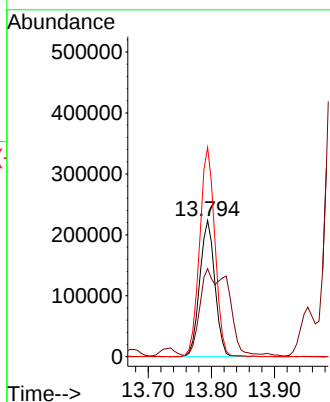
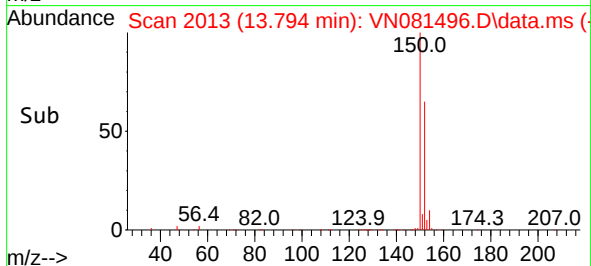
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion:152 Resp: 374550
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 154.0 0.0 339.8

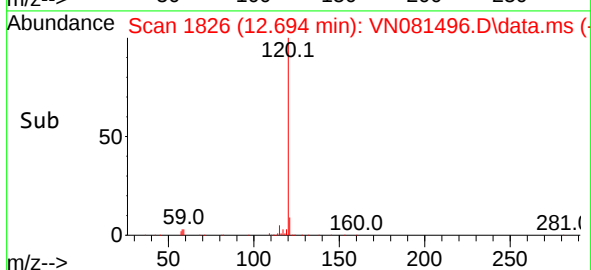
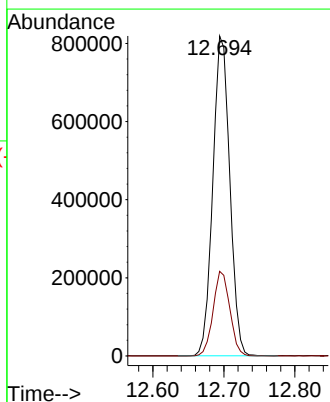
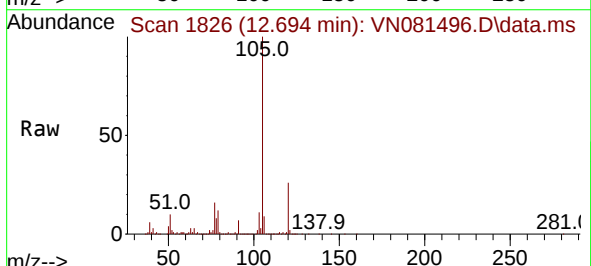
Manual Integrations
APPROVED

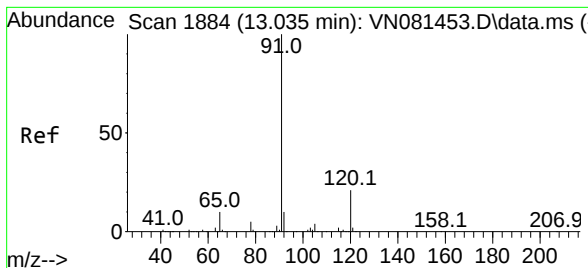
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#73
Isopropylbenzene
Concen: 42.415 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

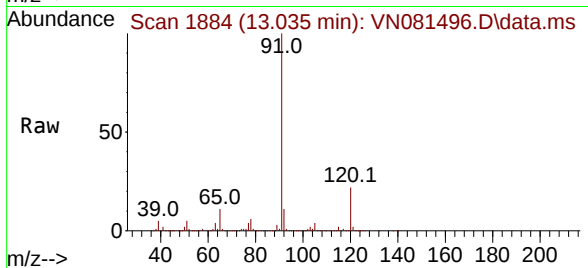
Tgt Ion:105 Resp: 1354192
Ion Ratio Lower Upper
105 100
120 26.0 12.6 37.6





#78
n-propylbenzene
Concen: 178.279 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

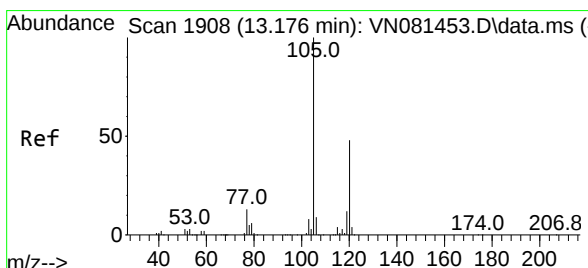
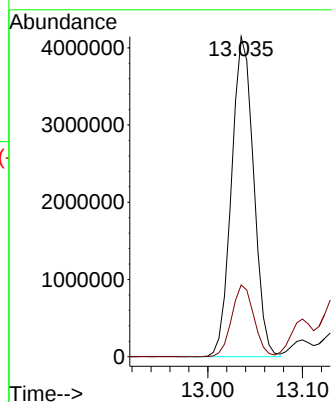
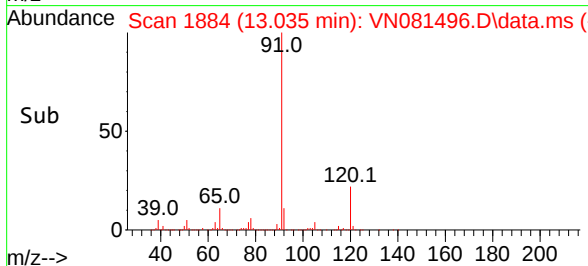
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



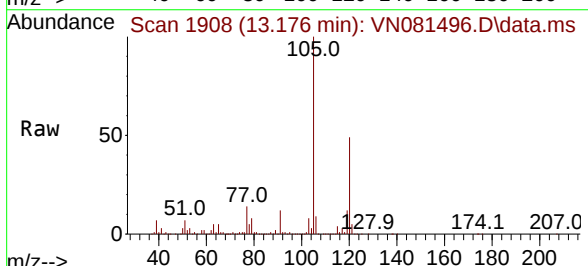
Tgt Ion: 91 Resp: 672196
Ion Ratio Lower Upper
91 100
120 22.4 10.3 30.9

Manual Integrations
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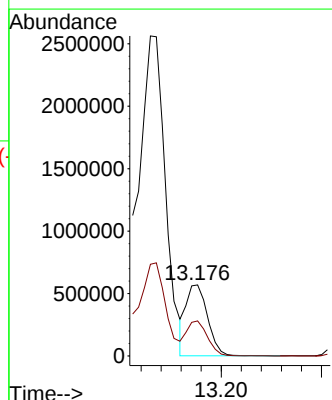
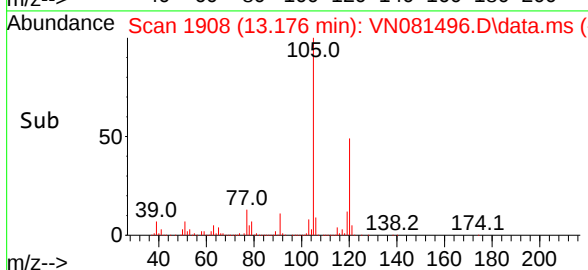
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

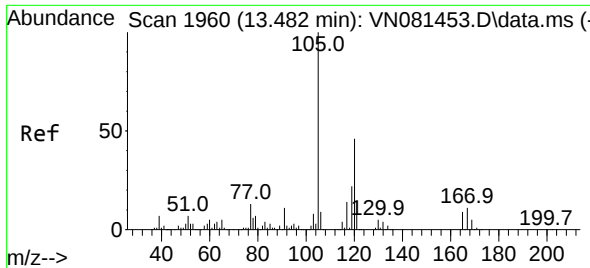


#80
1,3,5-Trimethylbenzene
Concen: 32.055 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10



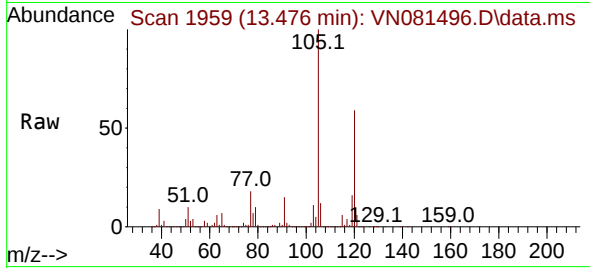
Tgt Ion:105 Resp: 845315
Ion Ratio Lower Upper
105 100
120 48.3 23.0 69.0





#84
1,2,4-Trimethylbenzene
Concen: 669.732 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

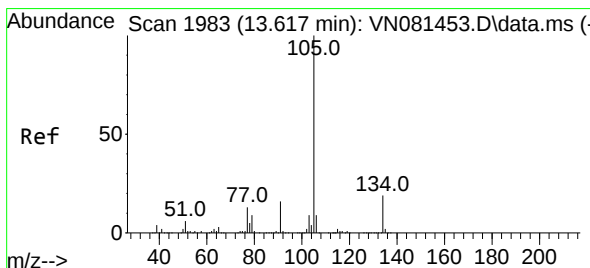
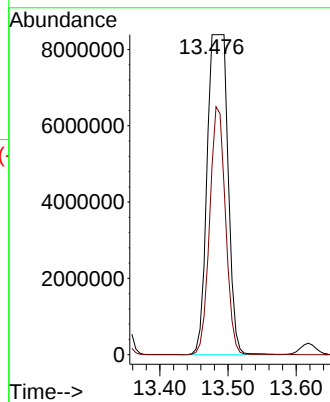
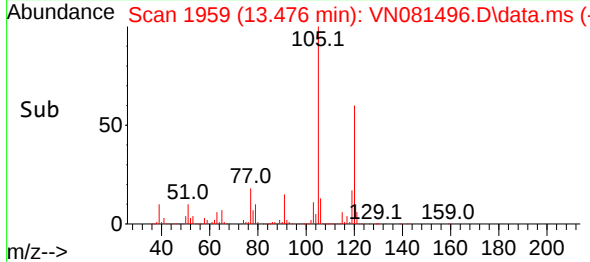
Instrument :
MSVOA_N
ClientSampleId :
MW-5B



Tgt Ion:105 Resp:1775075
Ion Ratio Lower Upper
105 100
120 59.1 20.9 62.7

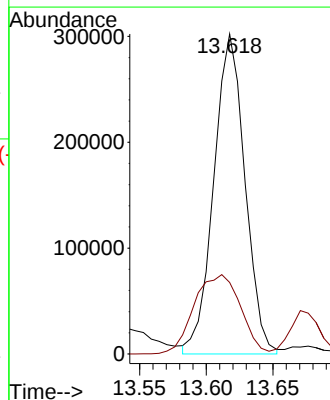
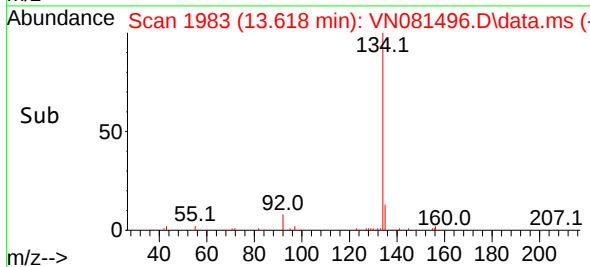
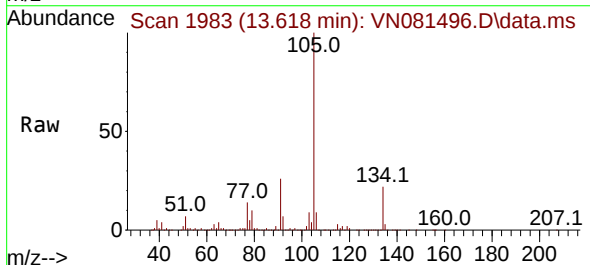
Manual Integrations
APPROVED

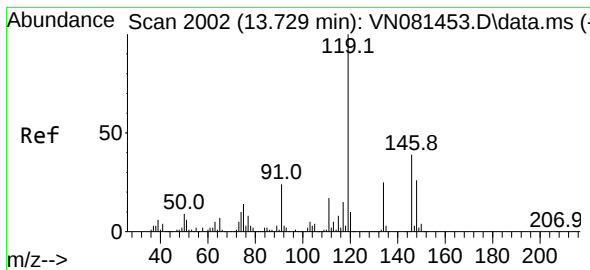
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#85
sec-Butylbenzene
Concen: 15.095 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

Tgt Ion:105 Resp: 490722
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





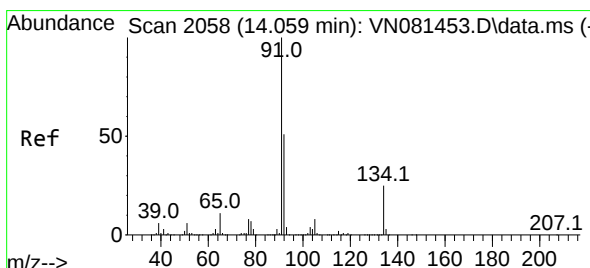
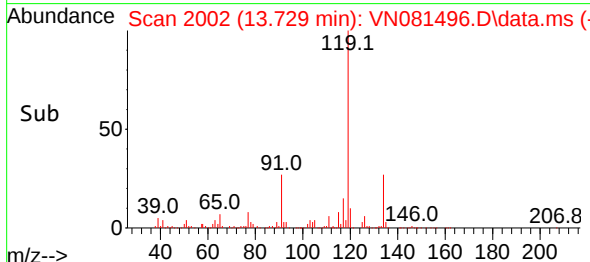
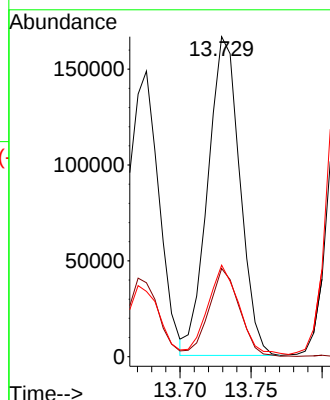
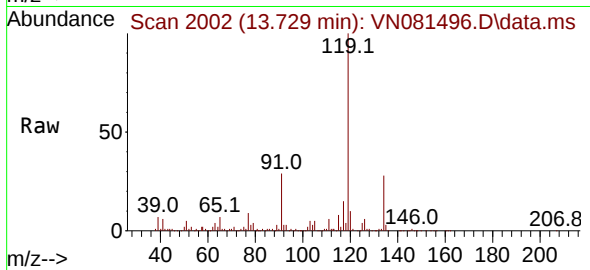
#86
p-Isopropyltoluene
Concen: 9.818 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

Instrument :
MSVOA_N
ClientSampleId :
MW-5B

Tgt Ion:119 Resp: 260897
Ion Ratio Lower Upper
119 100
134 26.3 12.4 37.2
91 0.0 13.5 40.4

Manual Integrations
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Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#89
n-Butylbenzene
Concen: 12.624 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN081496.D
Acq: 20 Mar 2024 16:10

Tgt Ion: 91 Resp: 297467
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 0.0 10.8 32.4#

