

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069919.D
 Acq On : 9 Dec 2021 18:28
 Operator : JC/MD
 Sample : M4969-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Dec 10 06:20:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1231711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2222458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2532644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1255618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	934870	49.158	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.320%		
35) Dibromofluoromethane	8.021	113	688813	49.480	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.960%		
50) Toluene-d8	10.440	98	2949241	52.762	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.520%		
62) 4-Bromofluorobenzene	12.731	95	1330013	65.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	131.360%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.374	59	2050106	570.298	ug/l	98
16) Acetone	4.272	43	209749m	18.335	ug/l	
22) Diisopropyl ether	6.498	45	333755	6.459	ug/l	92
31) Cyclohexane	8.094	56	604867	22.855	ug/l #	85
39) Methylcyclohexane	9.459	83	558782	22.204	ug/l #	88
40) Benzene	8.461	78	14954261	231.242	ug/l	98
52) Toluene	10.505	92	783385	19.842	ug/l	98
67) Ethyl Benzene	11.843	91	11146632	119.432	ug/l	97
68) m/p-Xylenes	11.950	106	3614720	106.371	ug/l	92
69) o-Xylene	12.280	106	1085155	31.702	ug/l	92
73) Isopropylbenzene	12.578	105	1876218	16.795	ug/l	99
78) n-propylbenzene	12.919	91	5998543	48.253	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	5243462	58.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	7534923	87.990	ug/l	98
85) sec-Butylbenzene	13.500	105	288646	2.673	ug/l #	69
86) p-Isopropyltoluene	13.616	119	111215m	1.317	ug/l	
95) Naphthalene	15.504	128	4325013	68.851	ug/l	100

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

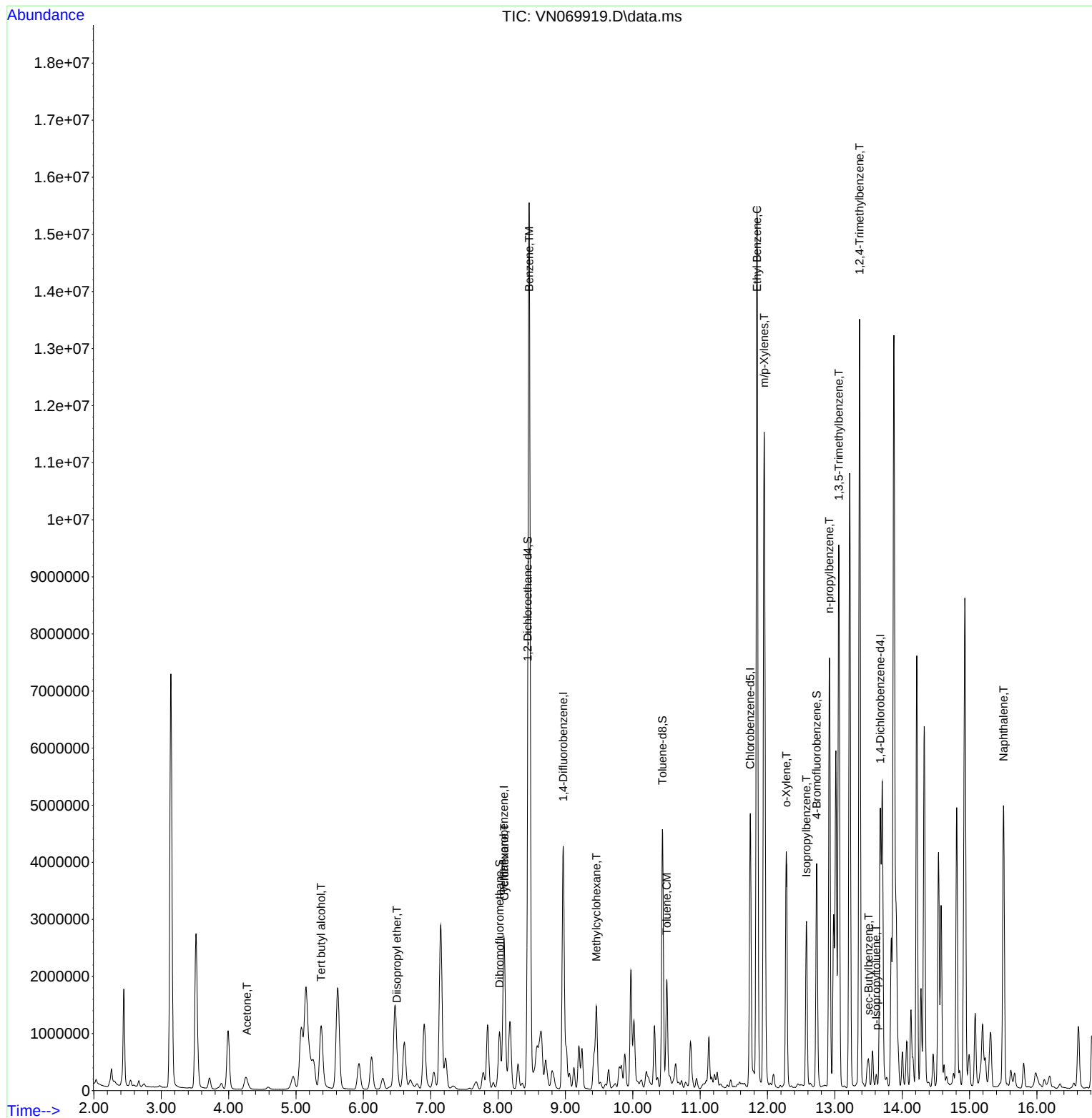
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069919.D
Acq On : 9 Dec 2021 18:28
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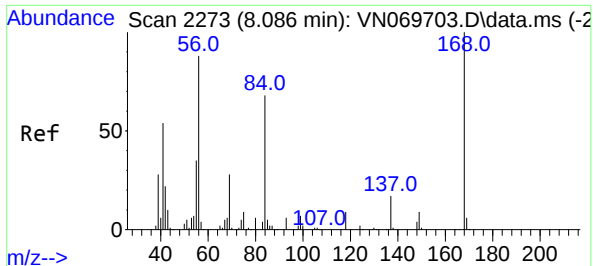
Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Time: Dec 10 06:20:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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APPROVED

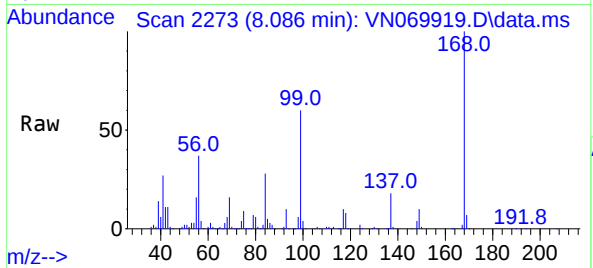
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

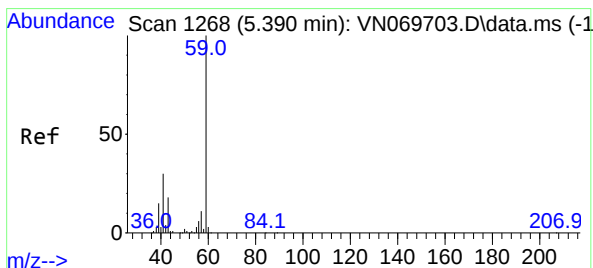
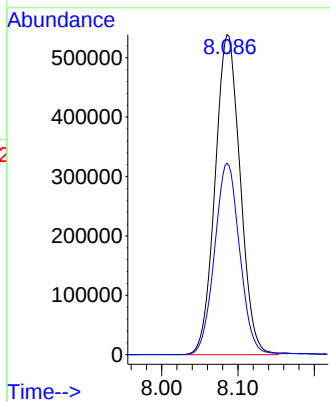
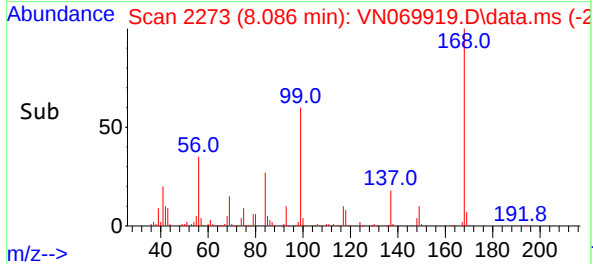
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:168 Resp: 123171
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9

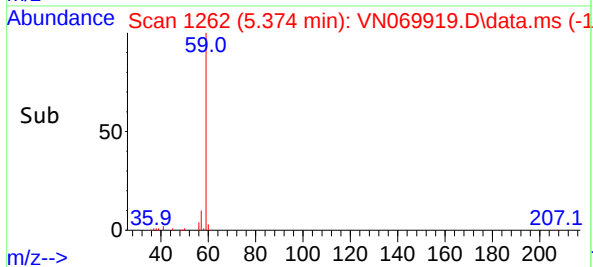
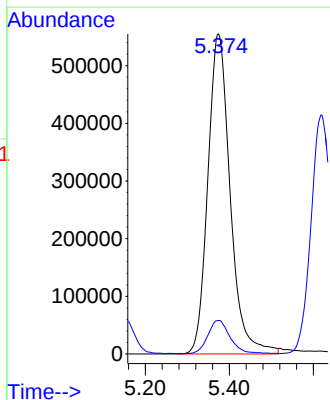
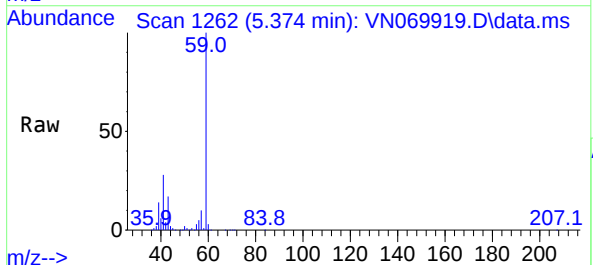
Manual Integrations
APPROVED

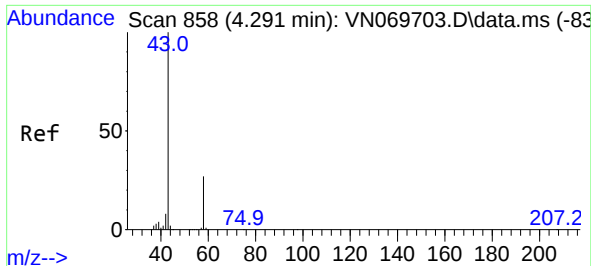
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#11
Tert butyl alcohol
Concen: 570.298 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

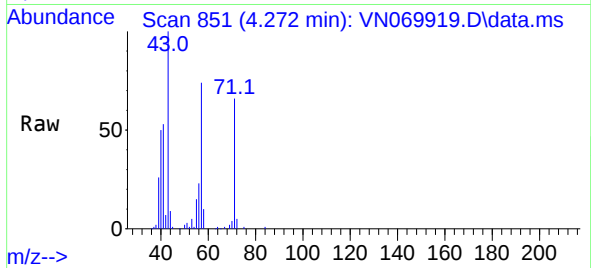
Tgt Ion: 59 Resp: 2050106
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1





#16
Acetone
Concen: 18.335 ug/l m
RT: 4.272 min Scan# 851
Delta R.T. -0.019 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

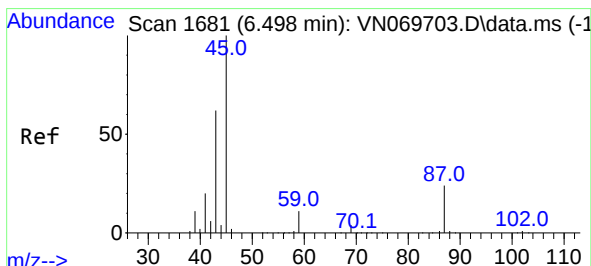
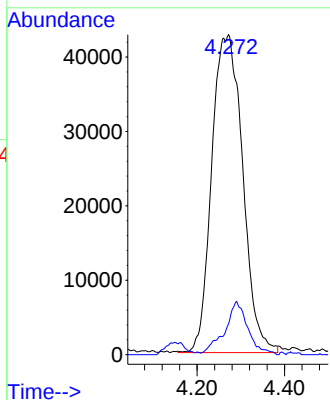
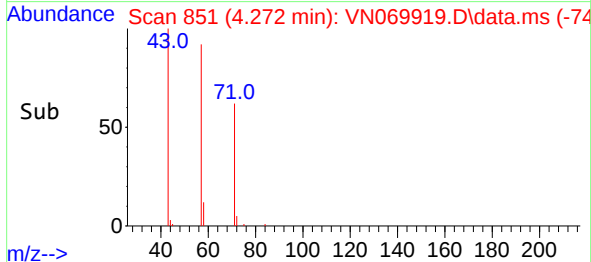
Instrument :
MSVOA_N
ClientSampleId :
MW-2



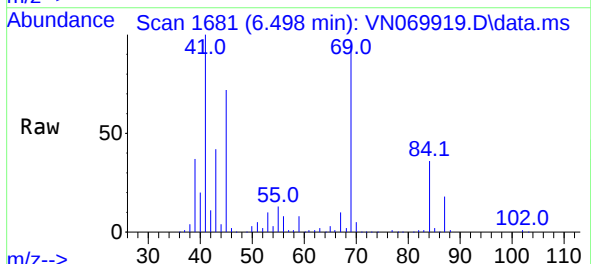
Tgt Ion: 43 Resp: 209749
Ion Ratio Lower Upper
43 100
58 9.7 23.1 34.7

Manual Integrations
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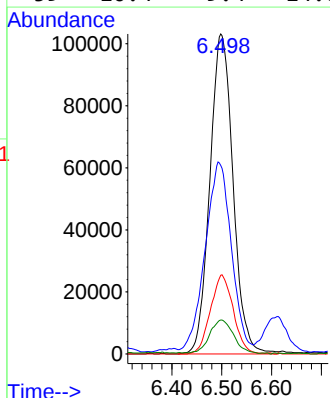
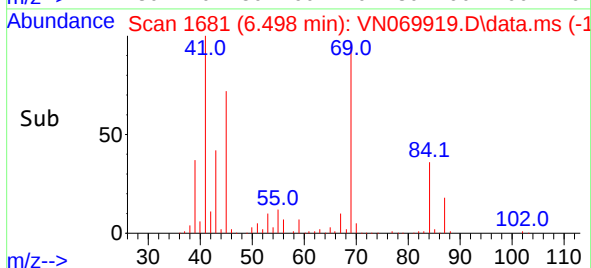
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

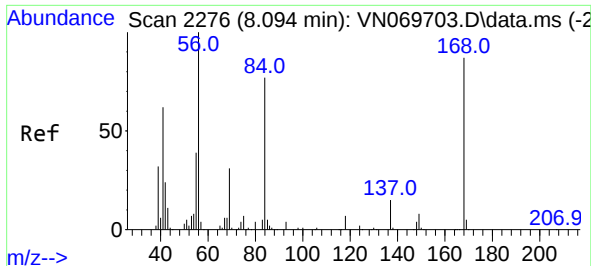


#22
Diisopropyl ether
Concen: 6.459 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



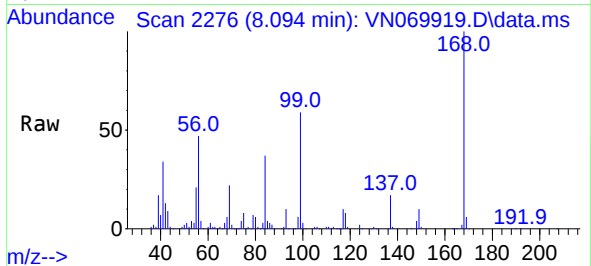
Tgt Ion: 45 Resp: 333755
Ion Ratio Lower Upper
45 100
43 57.6 51.7 77.5
87 24.6 23.2 34.8
59 10.4 9.4 14.0





#31
Cyclohexane
Concen: 22.855 ug/l
RT: 8.094 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

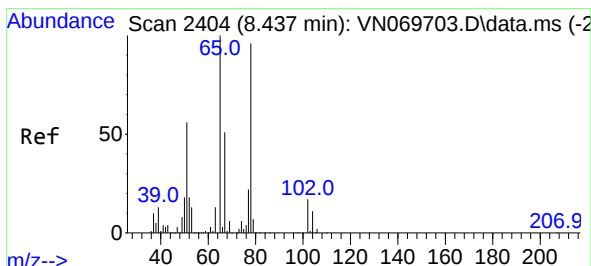
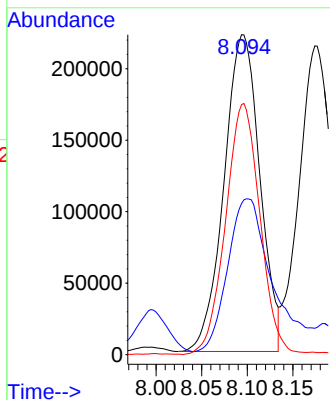
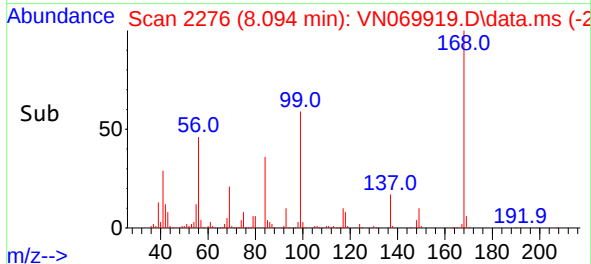
Instrument :
MSVOA_N
ClientSampleId :
MW-2



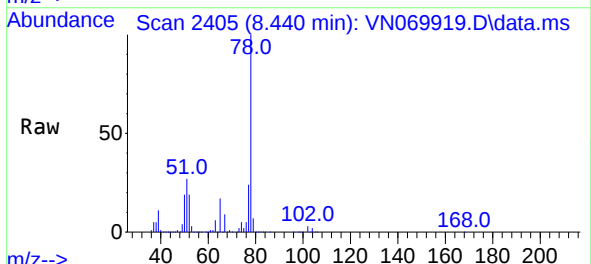
Tgt Ion: 56 Resp: 60486
Ion Ratio Lower Upper
56 100
69 44.0 27.1 40.7
84 78.8 73.4 110.0

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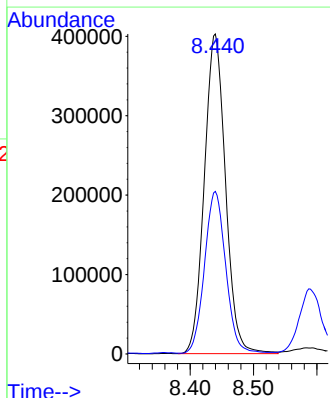
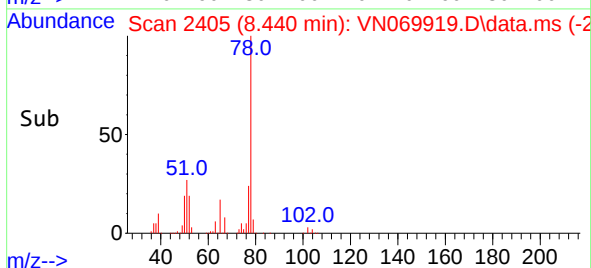
Reviewed By :John Carlone 12/10/2021
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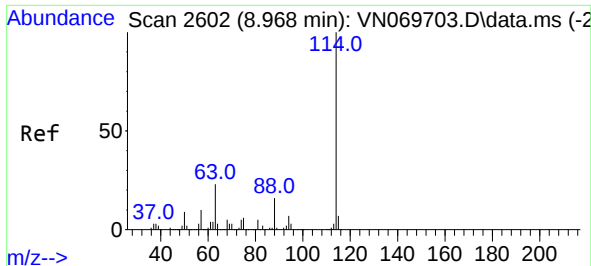


#33
1,2-Dichloroethane-d4
Concen: 49.158 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



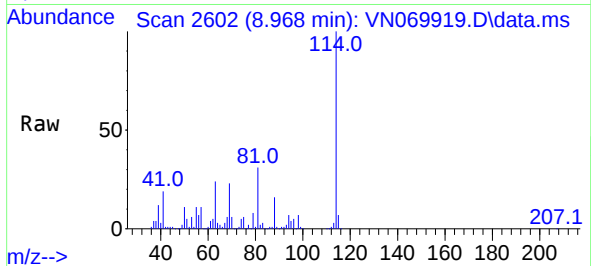
Tgt Ion: 65 Resp: 934870
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

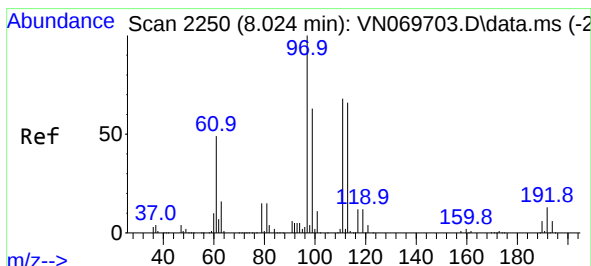
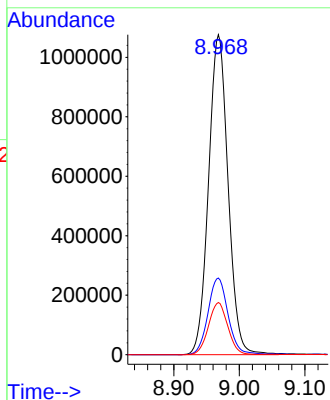
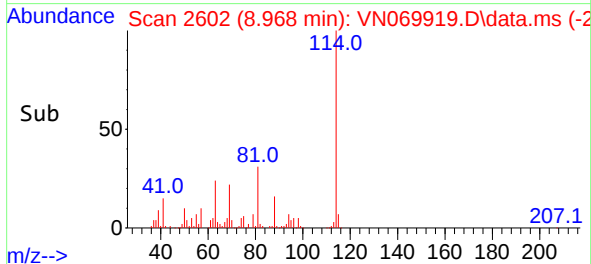
Instrument :
MSVOA_N
ClientSampleId :
MW-2



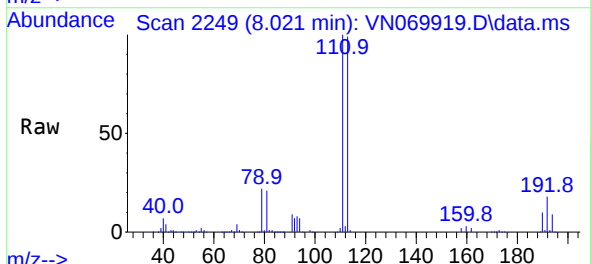
Tgt Ion:114 Resp: 2222458
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.3 0.0 27.4

Manual Integrations
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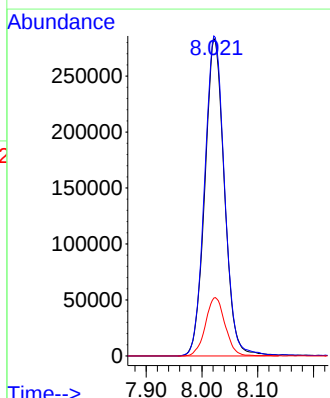
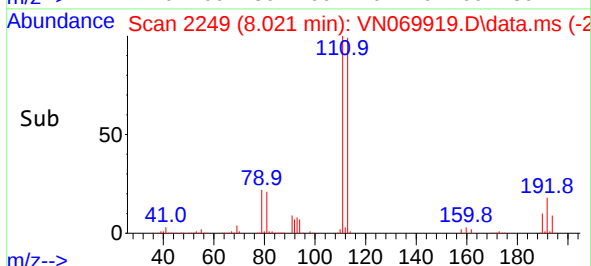
Reviewed By :John Carlone 12/10/2021
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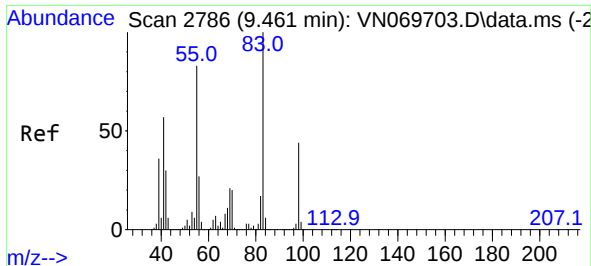


#35
Dibromofluoromethane
Concen: 49.480 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



Tgt Ion:113 Resp: 688813
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.6 16.9 25.3





#39

Methylcyclohexane

Concen: 22.204 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069919.D

Acq: 9 Dec 2021 18:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion: 83 Resp: 55878

Ion Ratio Lower Upper

83 100

55 88.3 58.1 87.1

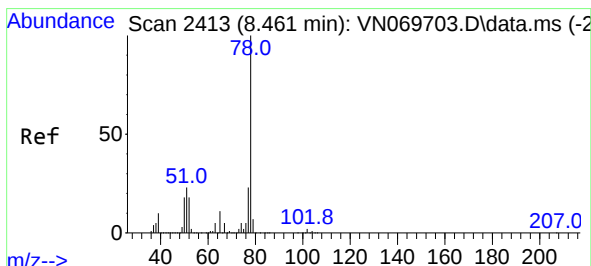
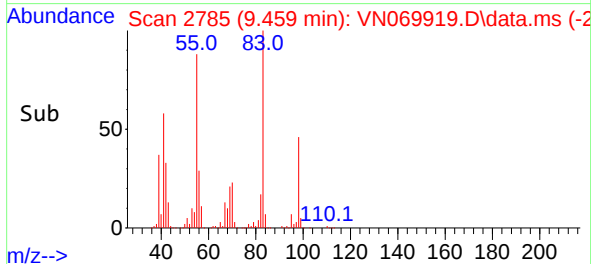
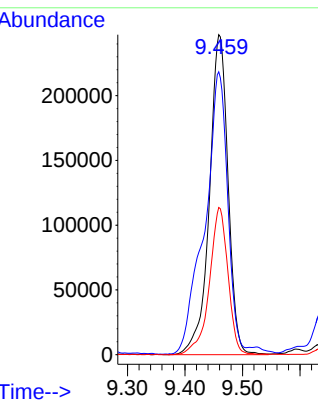
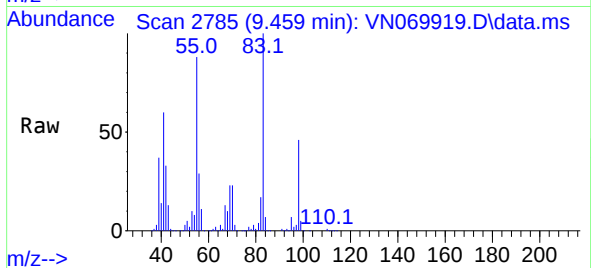
98 46.0 38.4 57.6

Manual Integrations

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Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#40

Benzene

Concen: 231.242 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN069919.D

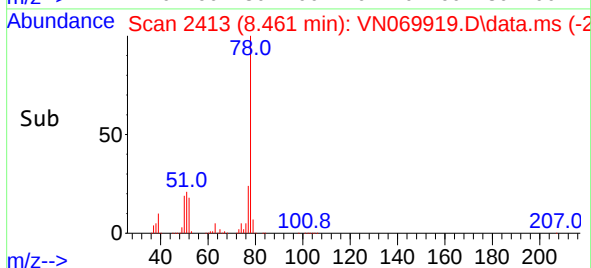
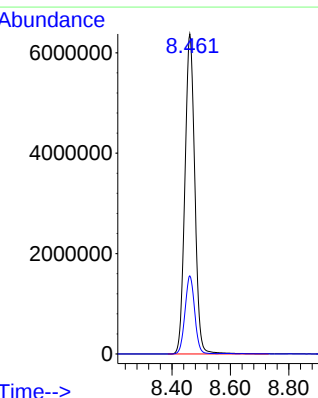
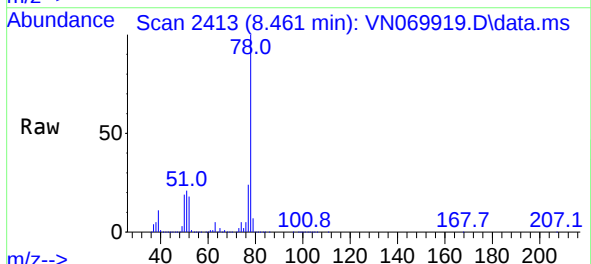
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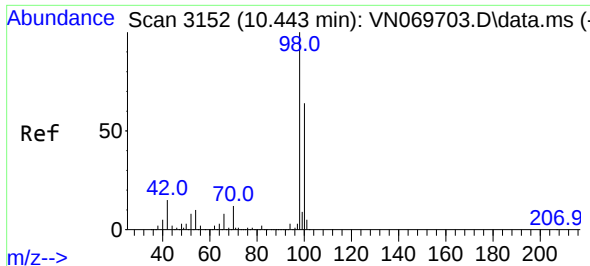
Tgt Ion: 78 Resp:14954261

Ion Ratio Lower Upper

78 100

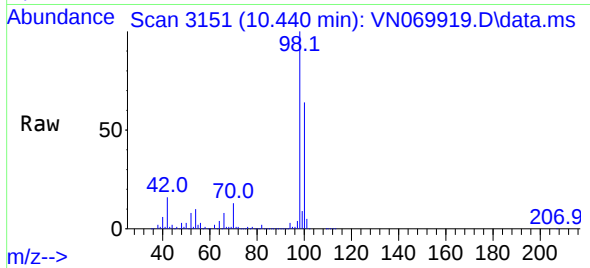
77 24.4 18.6 27.8





#50
Toluene-d8
Concen: 52.762 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

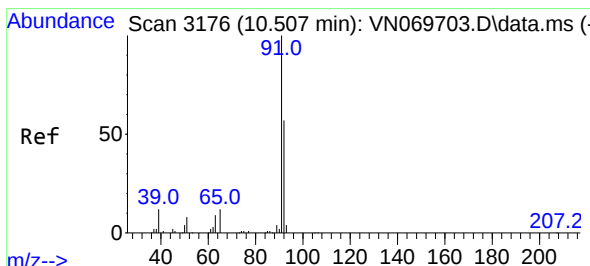
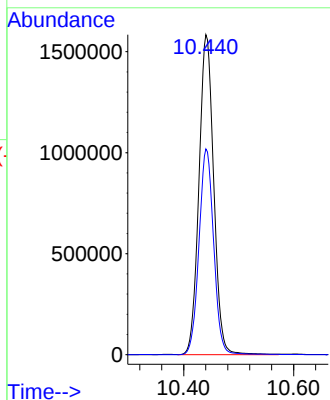
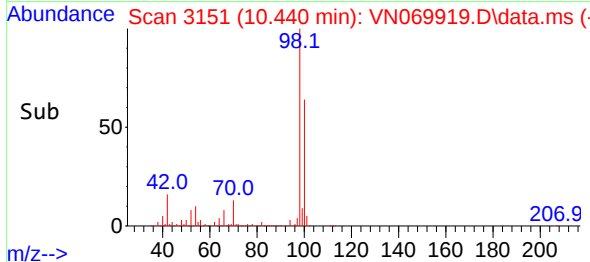
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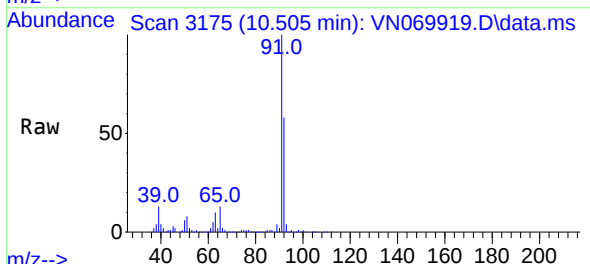
Tgt Ion: 98 Resp: 294924
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

Manual Integrations
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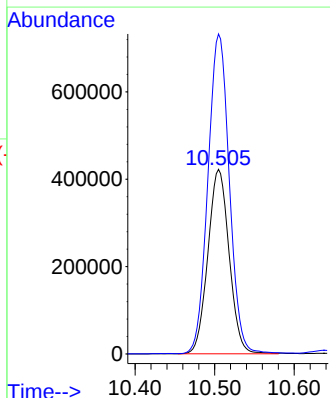
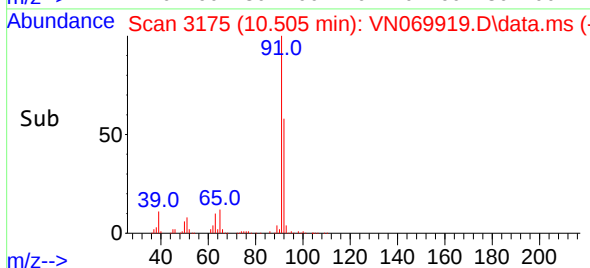
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

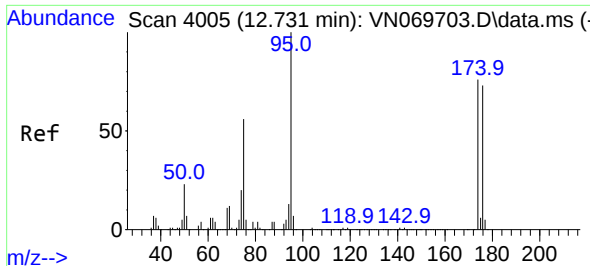


#52
Toluene
Concen: 19.842 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



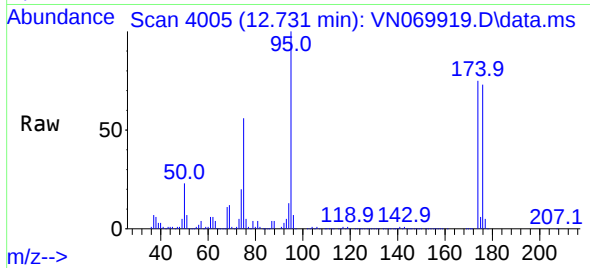
Tgt Ion: 92 Resp: 783385
Ion Ratio Lower Upper
92 100
91 174.6 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 65.678 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

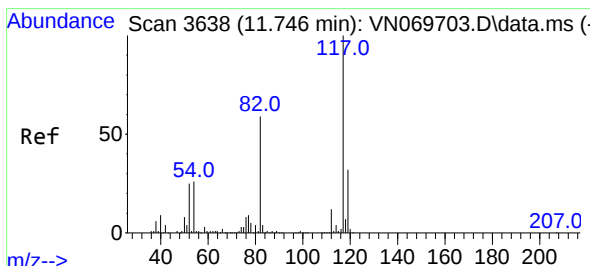
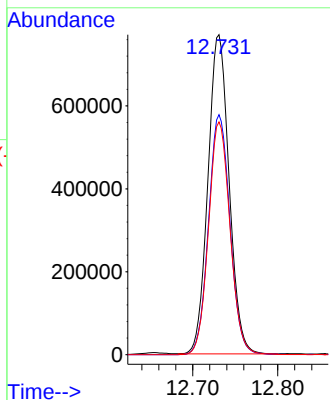
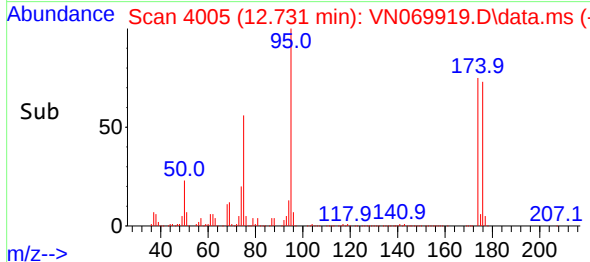
Instrument :
MSVOA_N
ClientSampleId :
MW-2



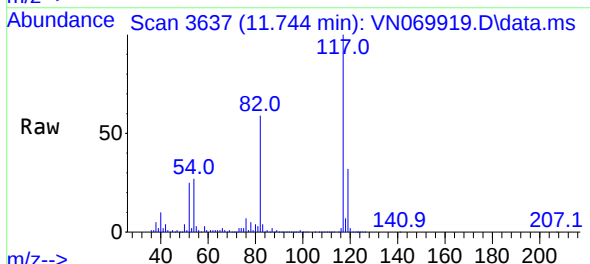
Tgt Ion: 95 Resp: 133001
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 74.2 0.0 181.4

Manual Integrations
APPROVED

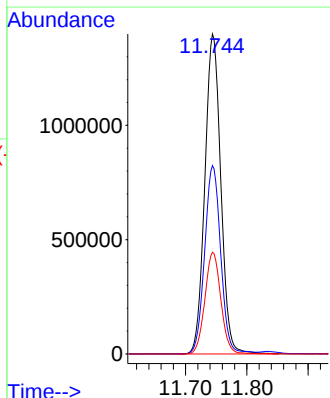
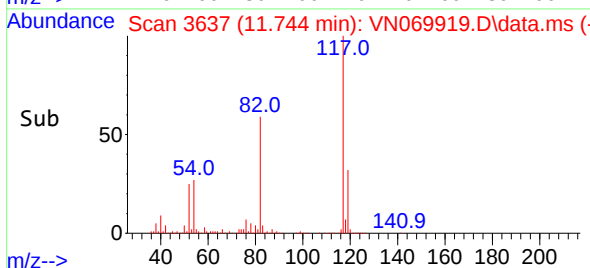
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

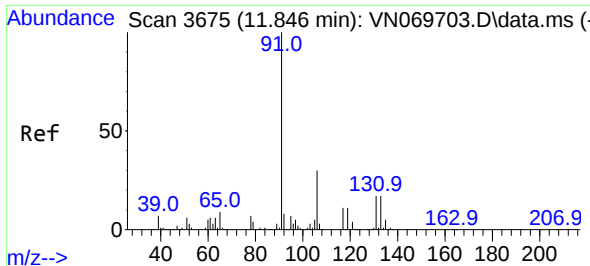


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



Tgt Ion:117 Resp: 2532644
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.8 25.4 38.2





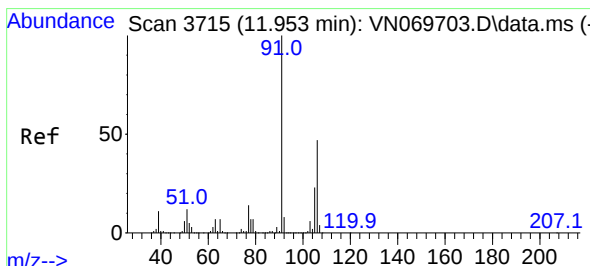
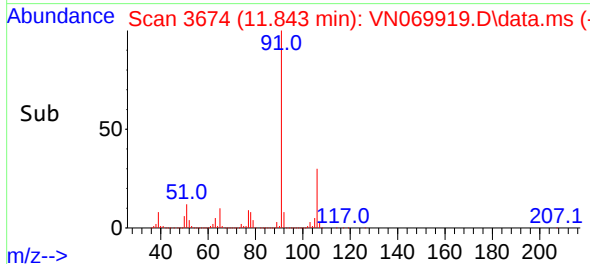
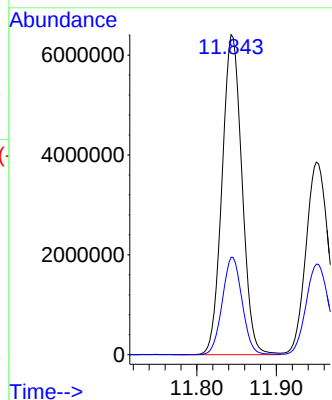
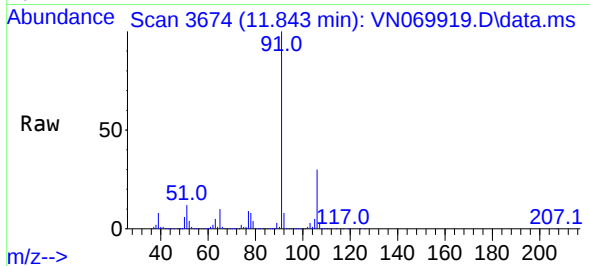
#67
Ethyl Benzene
Concen: 119.432 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 91 Resp:1114663
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5

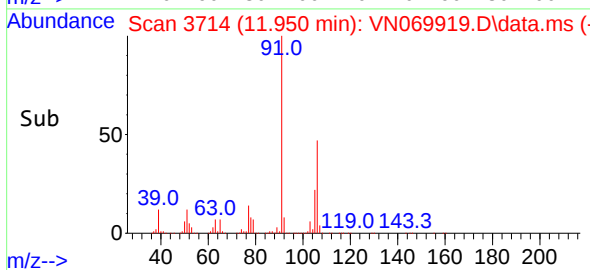
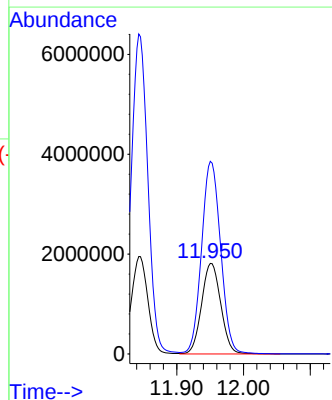
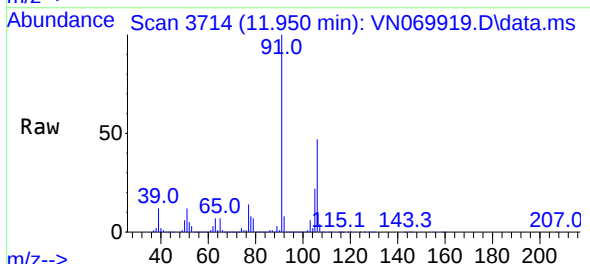
Manual Integrations
APPROVED

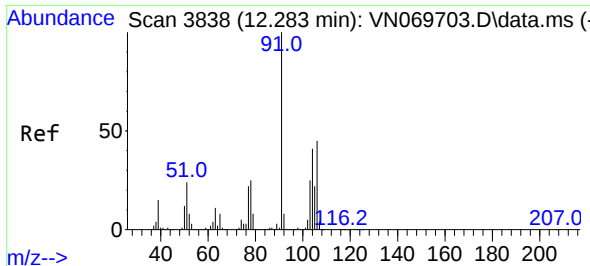
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#68
m/p-Xylenes
Concen: 106.371 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

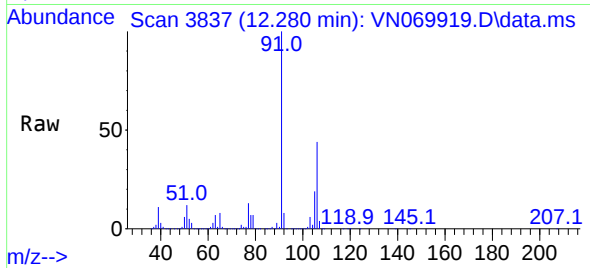
Tgt Ion:106 Resp: 3614720
Ion Ratio Lower Upper
106 100
91 212.2 160.6 240.8





#69
o-Xylene
Concen: 31.702 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

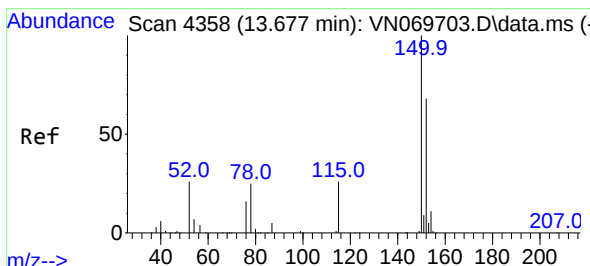
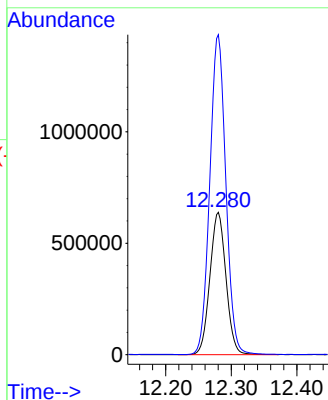
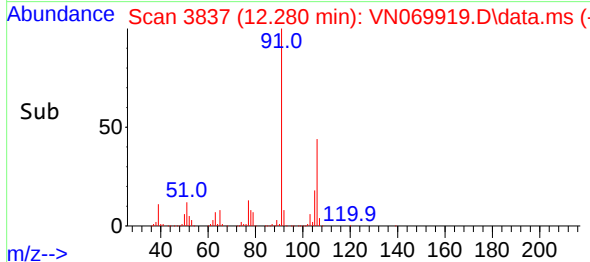
Instrument :
MSVOA_N
ClientSampleId :
MW-2



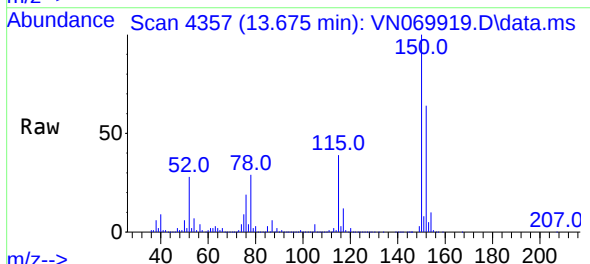
Tgt Ion:106 Resp: 108515
Ion Ratio Lower Upper
106 100
91 224.2 105.8 317.3

Manual Integrations
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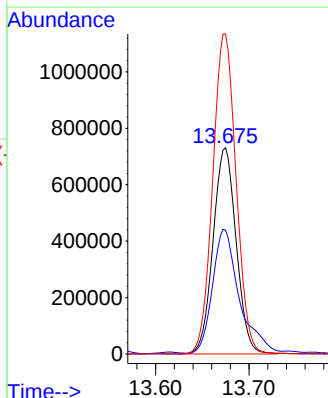
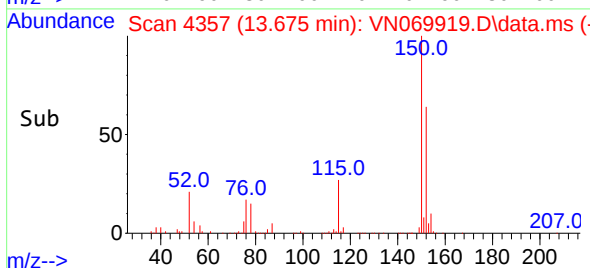
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

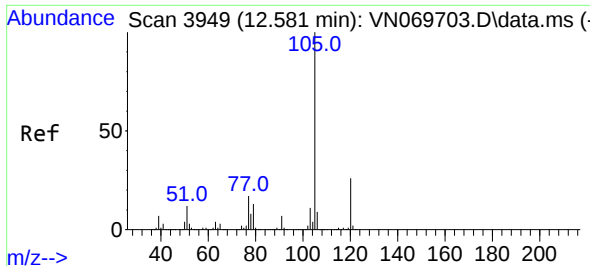


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28



Tgt Ion:152 Resp: 1255618
Ion Ratio Lower Upper
152 100
115 69.8 27.5 82.5
150 157.0 0.0 344.4





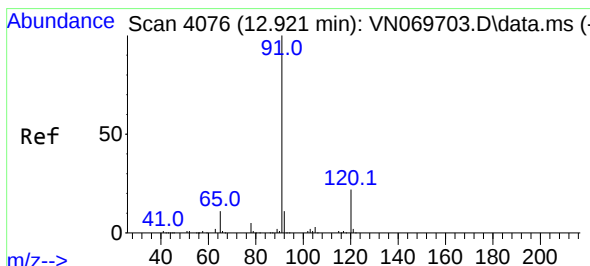
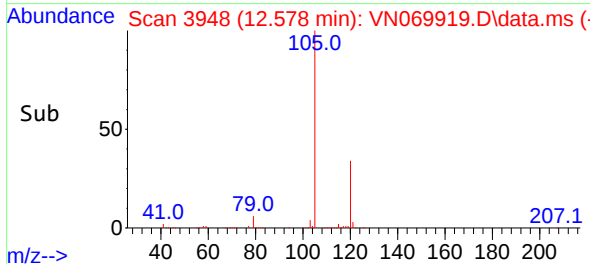
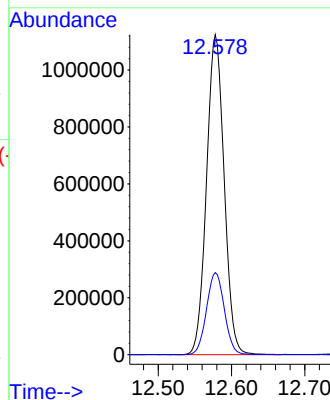
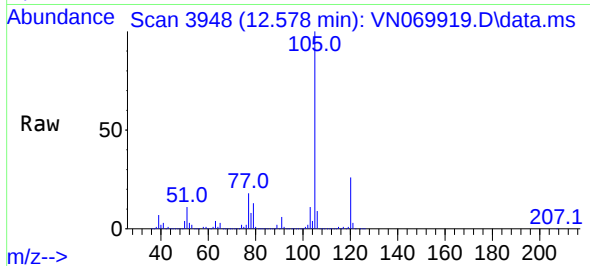
#73
Isopropylbenzene
Concen: 16.795 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:105 Resp: 1876218
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1

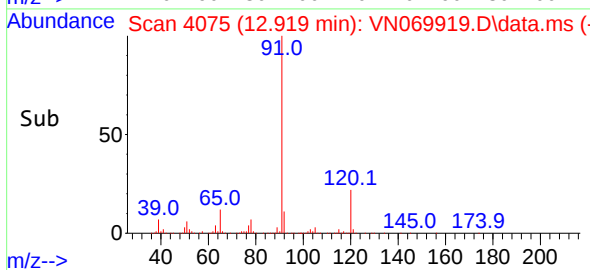
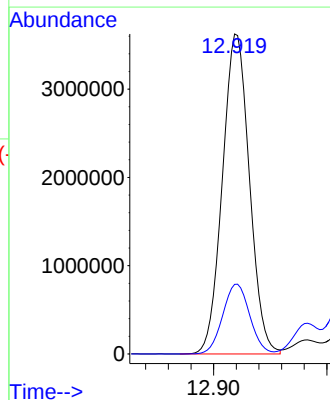
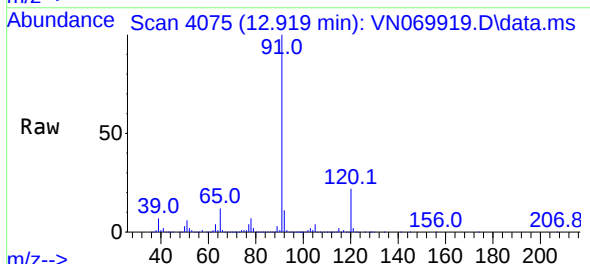
Manual Integrations
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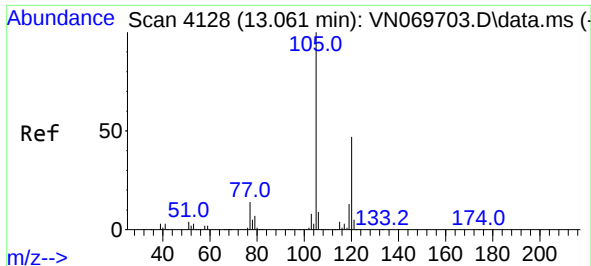
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#78
n-propylbenzene
Concen: 48.253 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

Tgt Ion: 91 Resp: 5998543
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9





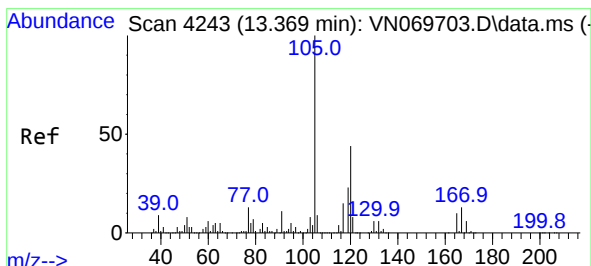
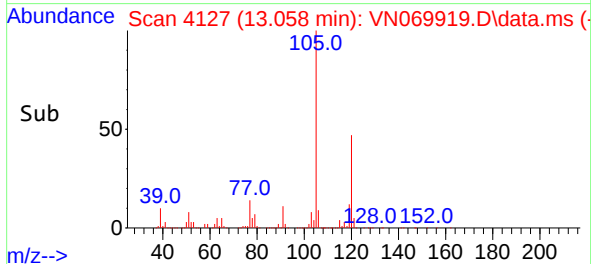
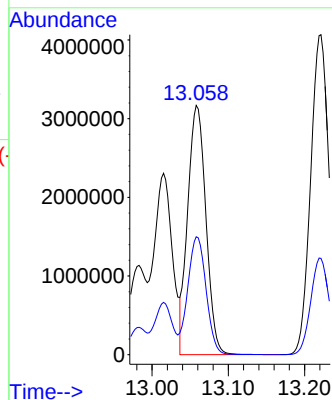
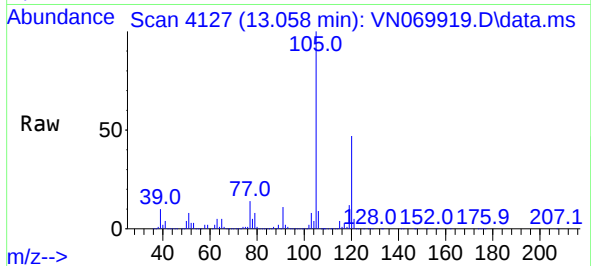
#80
1,3,5-Trimethylbenzene
Concen: 58.314 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:105 Resp: 5243462
Ion Ratio Lower Upper
105 100
120 47.9 24.6 73.6

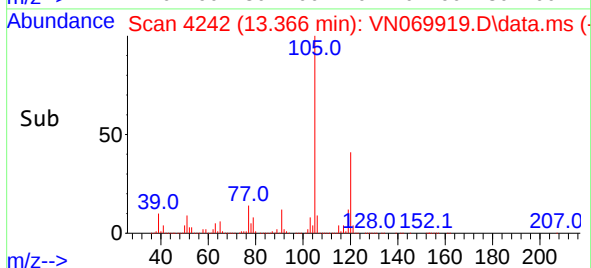
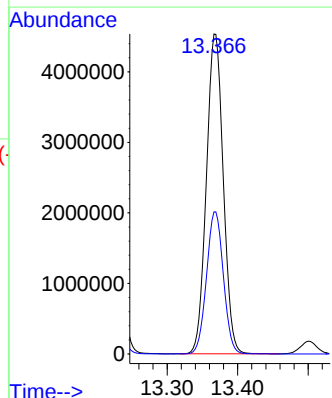
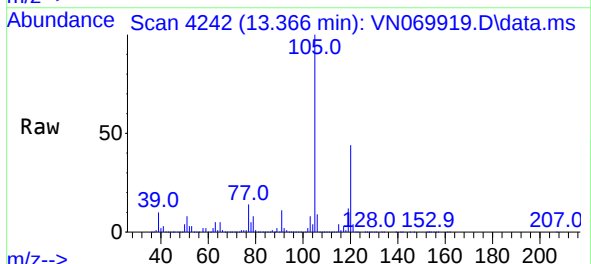
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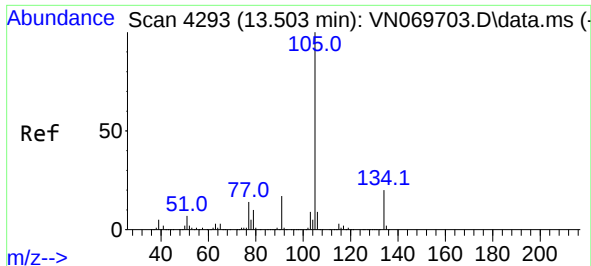
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#84
1,2,4-Trimethylbenzene
Concen: 87.990 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069919.D
Acq: 9 Dec 2021 18:28

Tgt Ion:105 Resp: 7534923
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4





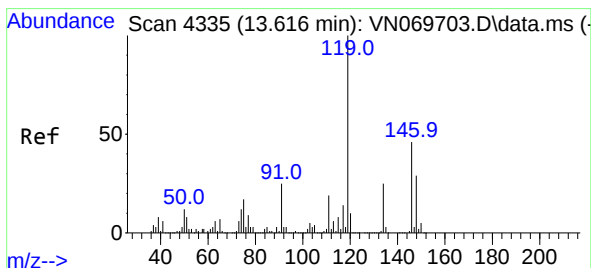
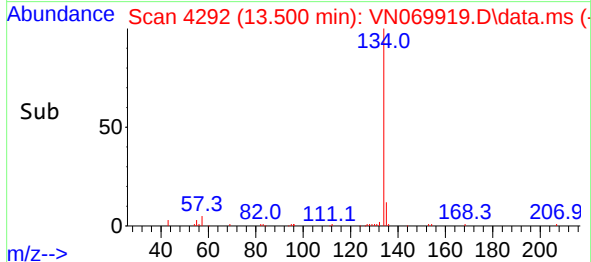
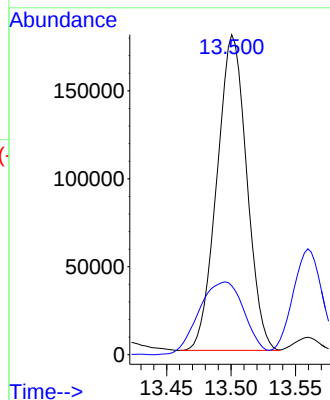
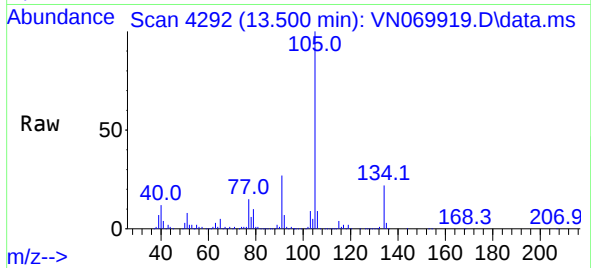
#85
 sec-Butylbenzene
 Concen: 2.673 ug/l
 RT: 13.500 min Scan# 4293
 Delta R.T. -0.003 min
 Lab File: VN069919.D
 Acq: 9 Dec 2021 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tgt Ion:105 Resp: 288640
 Ion Ratio Lower Upper
 105 100
 134 35.1 10.4 31.1%

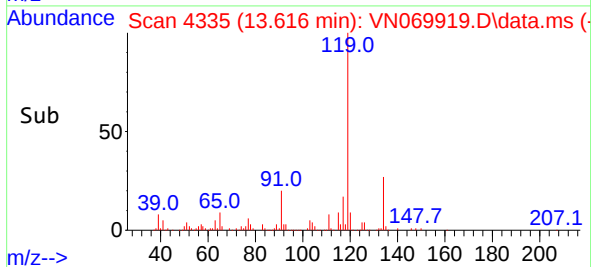
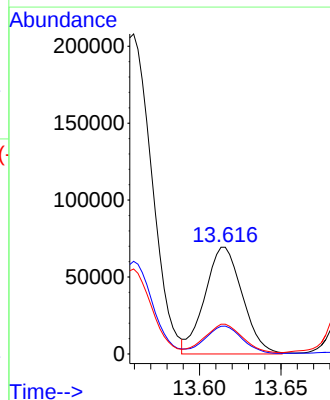
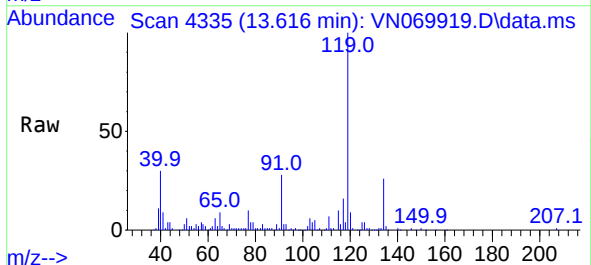
Manual Integrations
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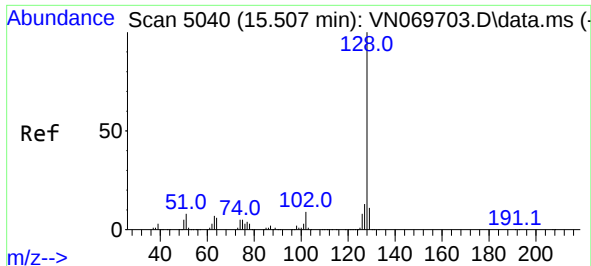
Reviewed By :John Carlone 12/10/2021
 Supervised By :Mahesh Dadoda 12/15/2021



#86
 p-Isopropyltoluene
 Concen: 1.317 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN069919.D
 Acq: 9 Dec 2021 18:28

Tgt Ion:119 Resp: 111215
 Ion Ratio Lower Upper
 119 100
 134 86.8 13.6 40.7#
 91 71.9 11.4 34.1#





#95

Naphthalene

Concen: 68.851 ug/l

RT: 15.504 min Scan# 50

Delta R.T. -0.003 min

Lab File: VN069919.D

Acq: 9 Dec 2021 18:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tgt Ion:128 Resp: 432501

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021

