

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069918.D
 Acq On : 9 Dec 2021 18:03
 Operator : JC/MD
 Sample : M4969-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 06:19:12 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

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1294620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2357412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2676280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	1300540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	979912	49.023	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.040%		
35) Dibromofluoromethane	8.021	113	718251	48.641	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.280%		
50) Toluene-d8	10.440	98	3095795	52.213	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.420%		
62) 4-Bromofluorobenzene	12.731	95	1401942	65.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	130.540%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.374	59	1502570	397.674	ug/l	99
16) Acetone	4.296	43	57614	4.791	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	2007419	41.866	ug/l #	74
22) Diisopropyl ether	6.498	45	90798	1.672	ug/l #	94
31) Cyclohexane	8.094	56	494746	17.785	ug/l #	88
39) Methylcyclohexane	9.459	83	493238	18.477	ug/l #	88
40) Benzene	8.448	78	25726331m	375.041	ug/l	
52) Toluene	10.505	92	179348	4.283	ug/l	95
67) Ethyl Benzene	11.843	91	3240033	32.853	ug/l	96
68) m/p-Xylenes	11.953	106	411712	11.465	ug/l	93
69) o-Xylene	12.280	106	85343	2.359	ug/l	89
73) Isopropylbenzene	12.578	105	7262385	62.763	ug/l	99
80) 1,3,5-Trimethylbenzene	13.058	105	362932	3.897	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	644568	7.267	ug/l	97
85) sec-Butylbenzene	13.501	105	1051100	9.397	ug/l #	71
89) n-Butylbenzene	13.940	91	1087016	15.326	ug/l #	82
95) Naphthalene	15.504	128	6244016	94.397	ug/l	100

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

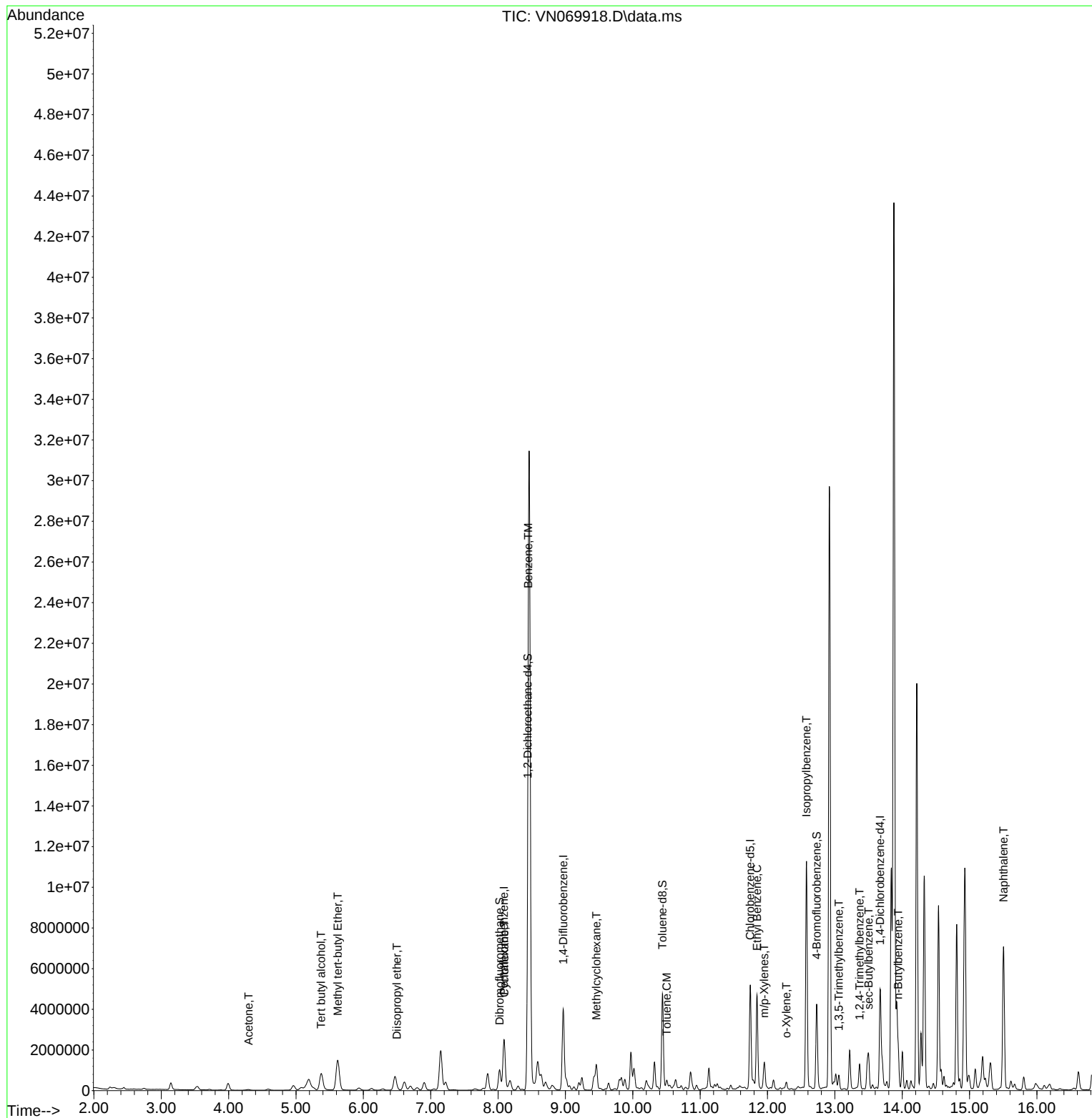
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
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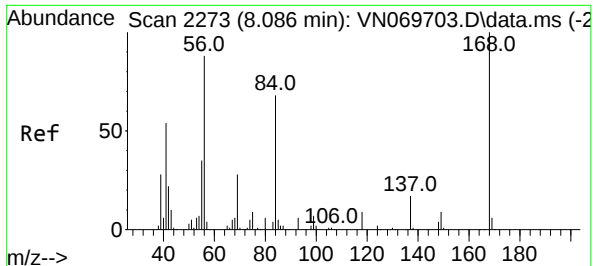
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Quant Time: Dec 10 06:19:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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APPROVED

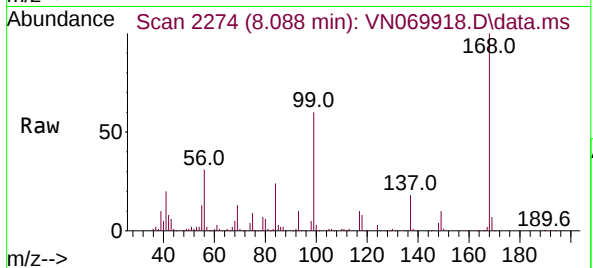
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

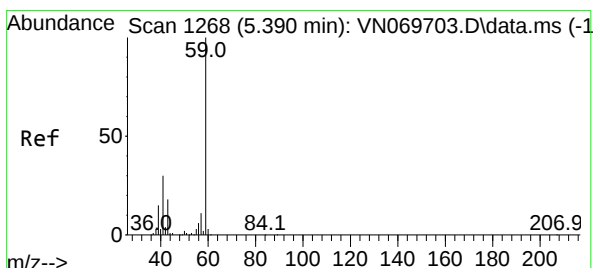
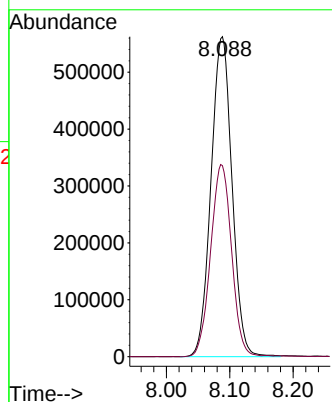
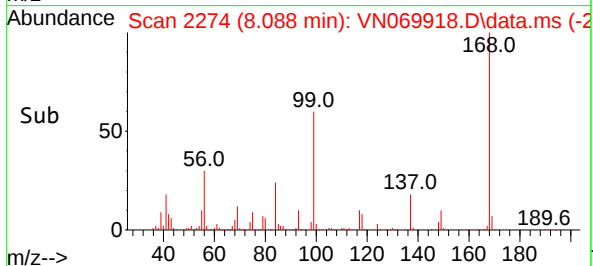
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



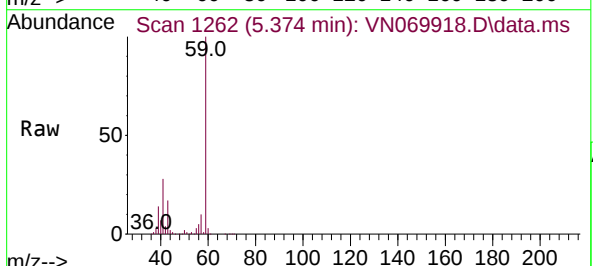
Tgt Ion:168 Resp: 1294620
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9

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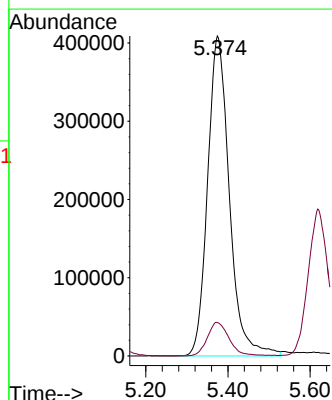
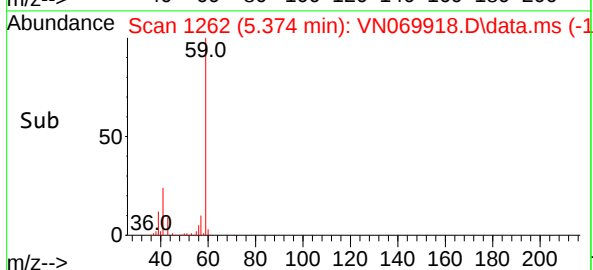
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

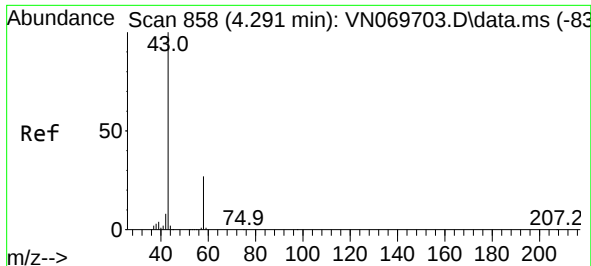


#11
Tert butyl alcohol
Concen: 397.674 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03



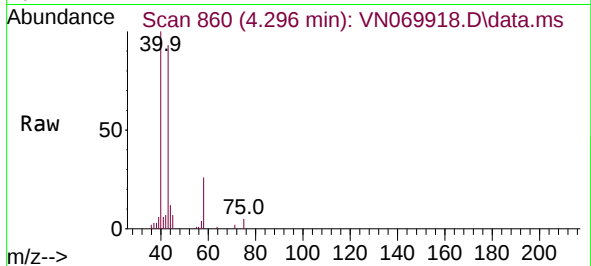
Tgt Ion: 59 Resp: 1502570
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1





#16
Acetone
Concen: 4.791 ug/l
RT: 4.296 min Scan# 858
Delta R.T. 0.005 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

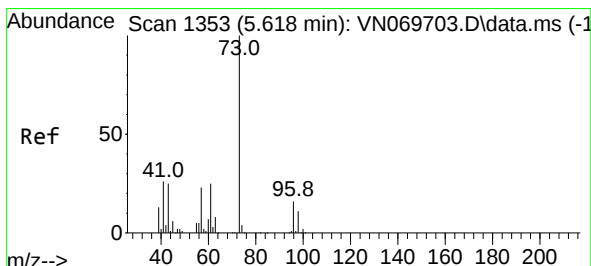
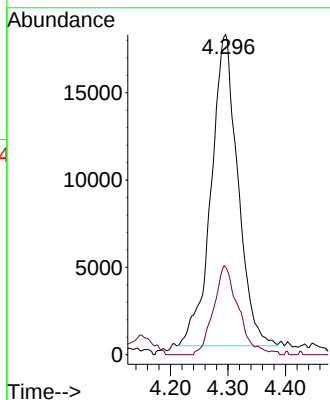
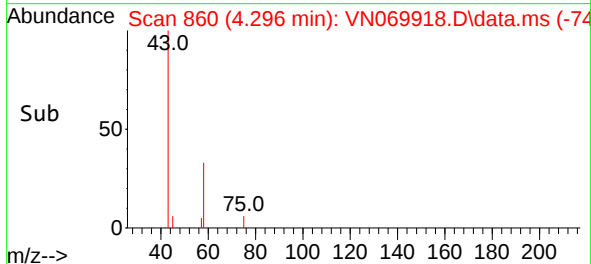
Instrument :
MSVOA_N
Client Sample Id :
MW-1A



Tgt Ion: 43 Resp: 57614
Ion Ratio Lower Upper
43 100
58 28.2 23.1 34.7

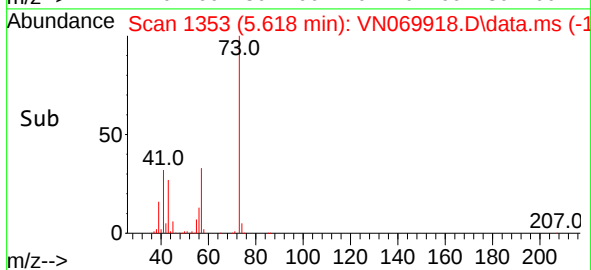
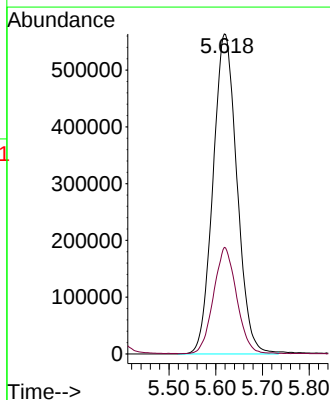
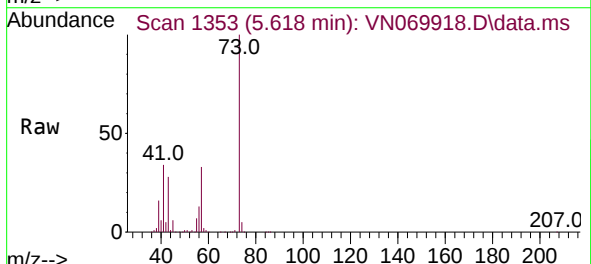
Manual Integrations
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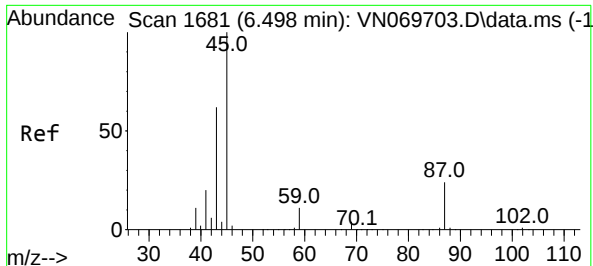
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#19
Methyl tert-butyl Ether
Concen: 41.866 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

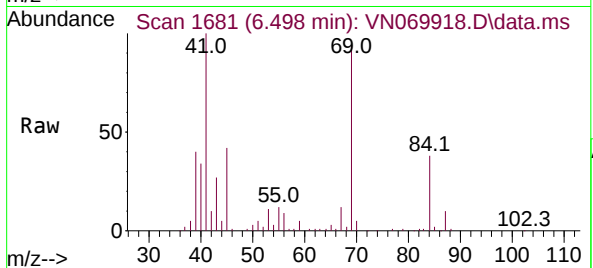
Tgt Ion: 73 Resp: 2007419
Ion Ratio Lower Upper
73 100
57 33.2 16.8 25.2#





#22
Diisopropyl ether
Concen: 1.672 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

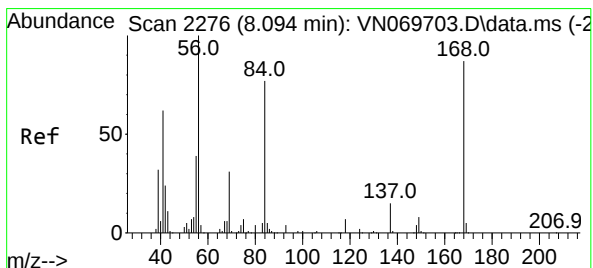
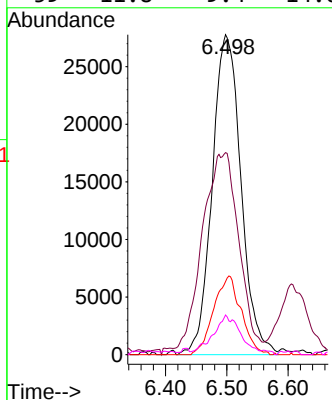
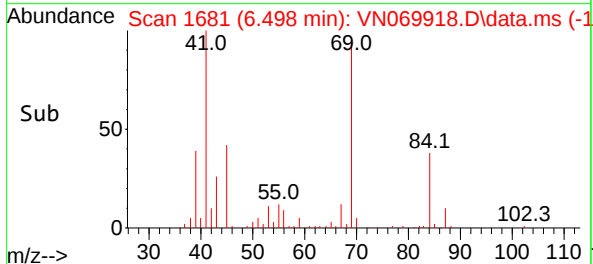
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



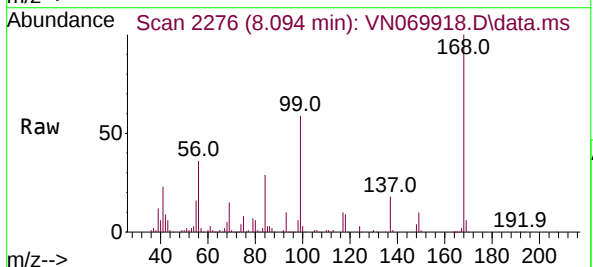
Tgt Ion: 45 Resp: 90798
Ion Ratio Lower Upper
45 100
43 60.6 51.7 77.5
87 22.9 23.2 34.8
59 11.8 9.4 14.0

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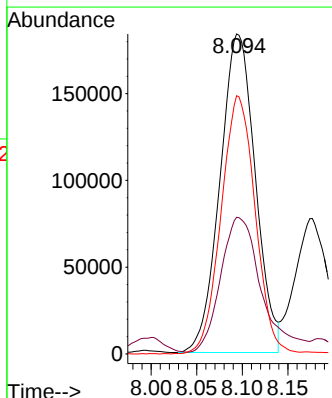
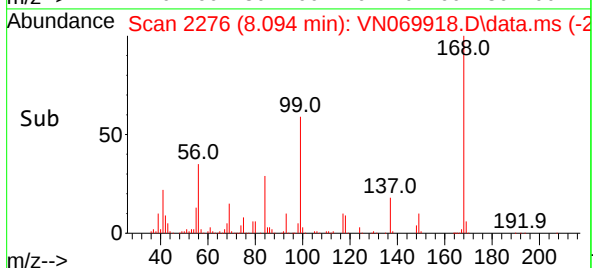
Reviewed By :John Carlone 12/10/2021
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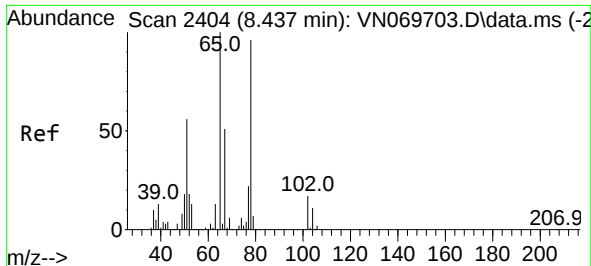


#31
Cyclohexane
Concen: 17.785 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03



Tgt Ion: 56 Resp: 494746
Ion Ratio Lower Upper
56 100
69 42.0 27.1 40.7
84 80.9 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.023 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN069918.D

Acq: 9 Dec 2021 18:03

Instrument :

MSVOA_N

ClientSampleId :

MW-1A

Tgt Ion: 65 Resp: 979912

Ion Ratio Lower Upper

65 100

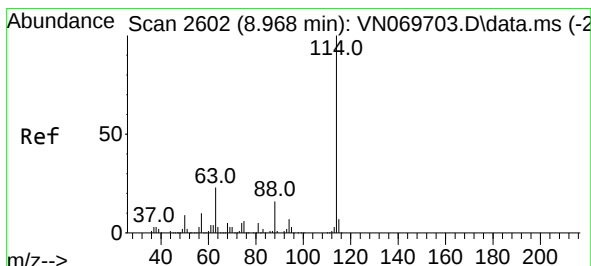
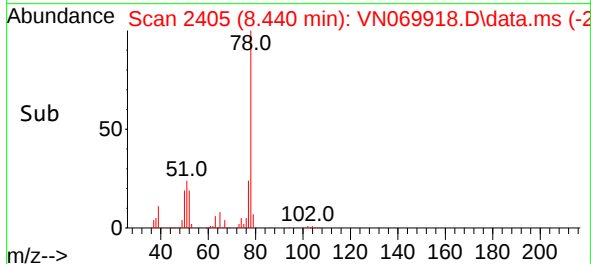
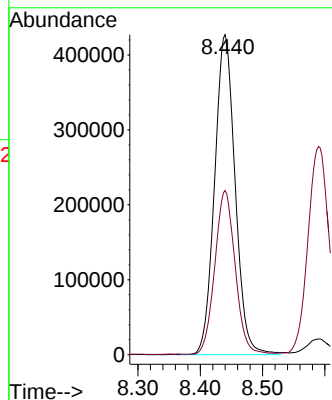
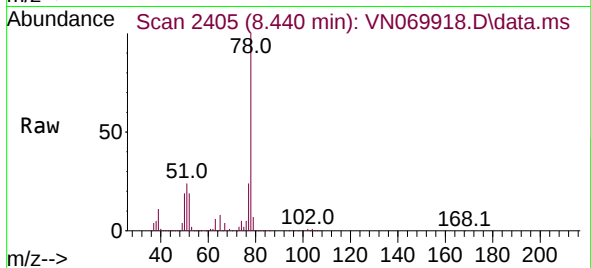
67 50.6 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 12/15/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069918.D

Acq: 9 Dec 2021 18:03

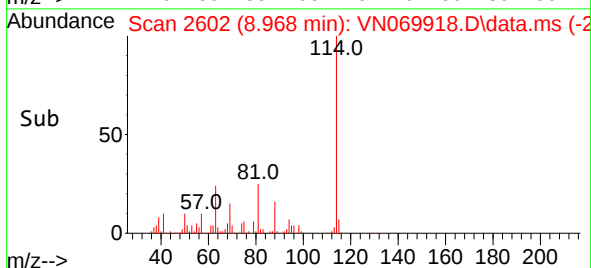
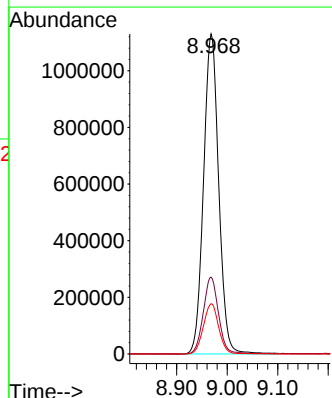
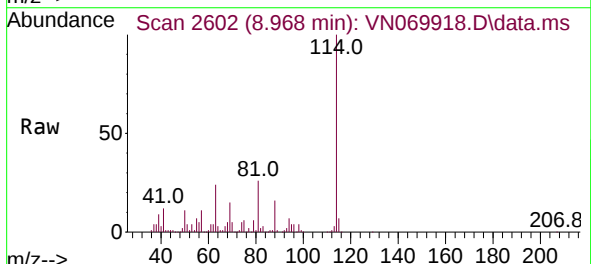
Tgt Ion:114 Resp: 2357412

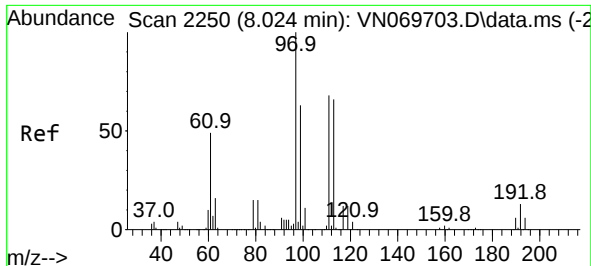
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

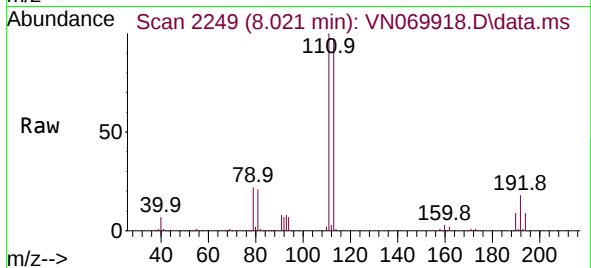
88 15.7 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.641 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

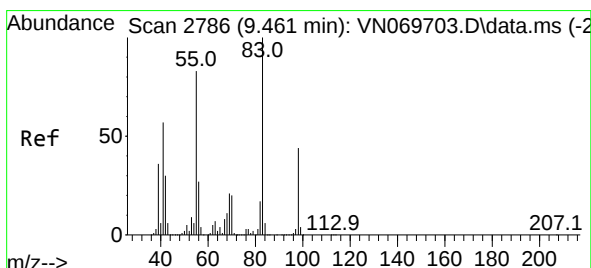
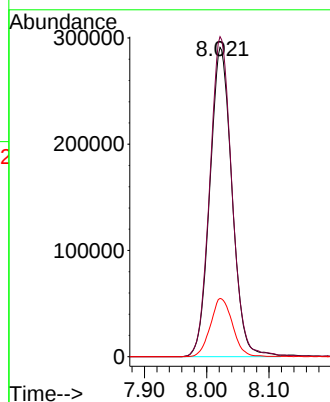
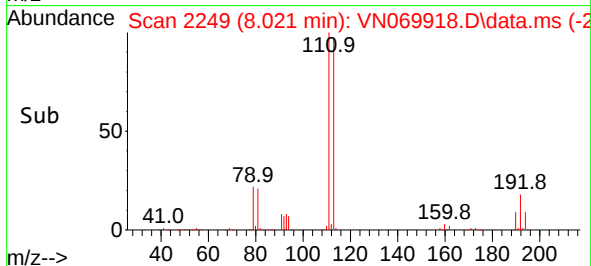
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



Tgt Ion: 113 Resp: 71825
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.8 16.9 25.3

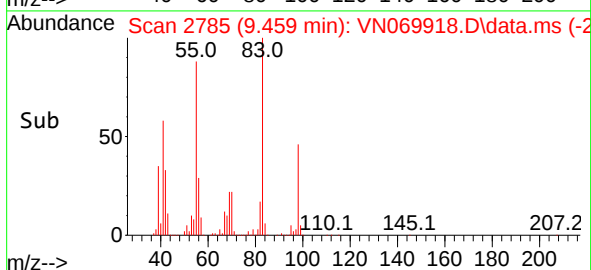
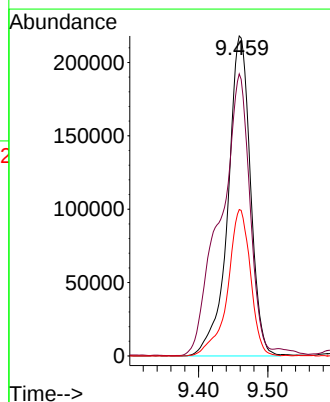
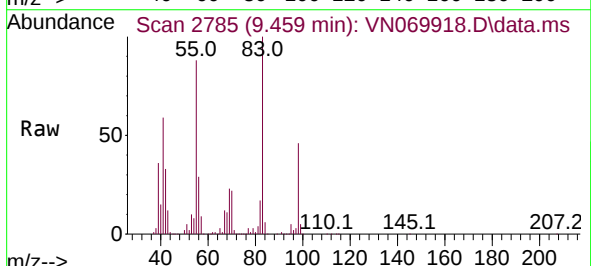
Manual Integrations
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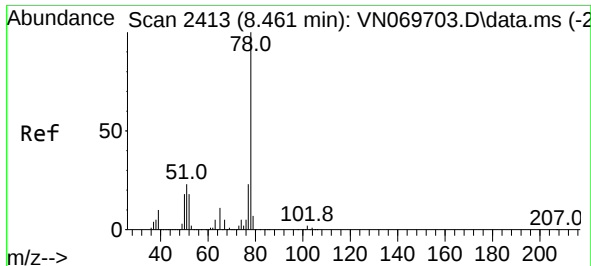
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#39
Methylcyclohexane
Concen: 18.477 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Tgt Ion: 83 Resp: 493238
Ion Ratio Lower Upper
83 100
55 88.0 58.1 87.1#
98 45.8 38.4 57.6





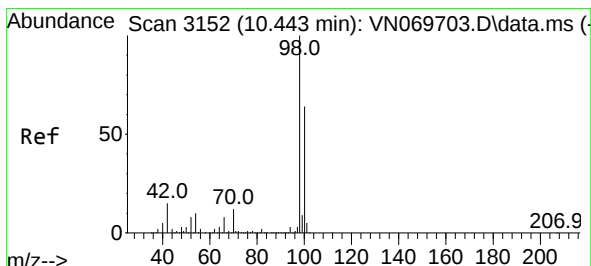
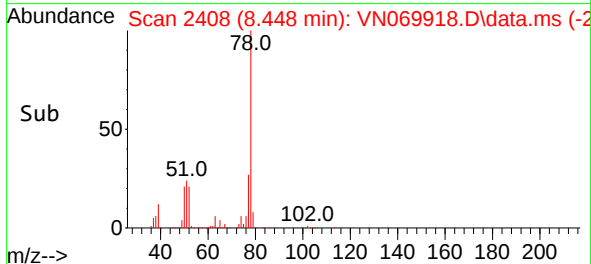
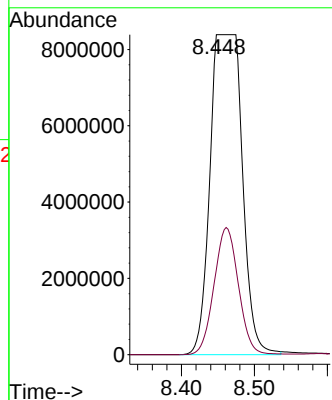
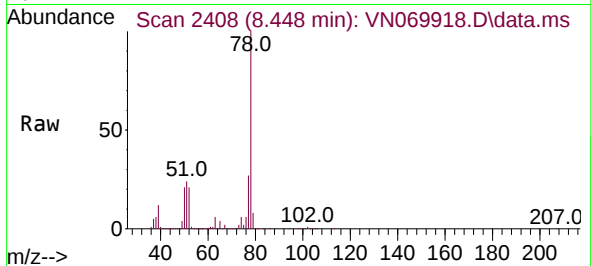
#40
Benzene
Concen: 375.041 ug/l m
RT: 8.448 min Scan# 2413
Delta R.T. -0.013 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 78 Resp: 2572633
Ion Ratio Lower Upper
78 100
77 26.6 18.6 27.8

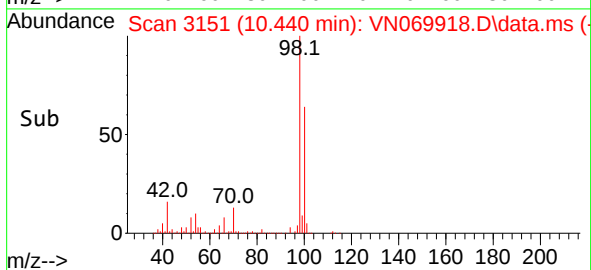
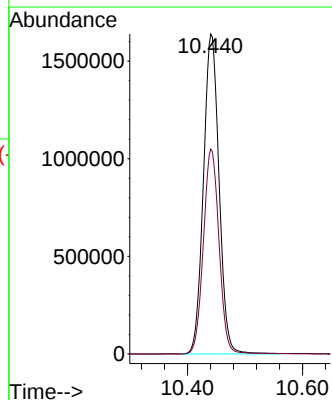
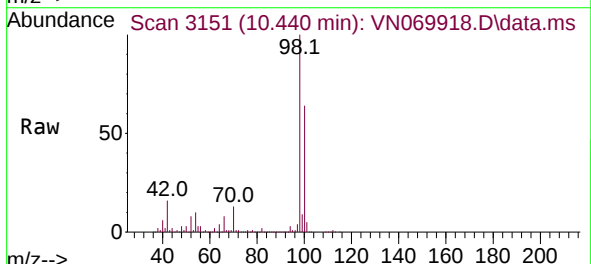
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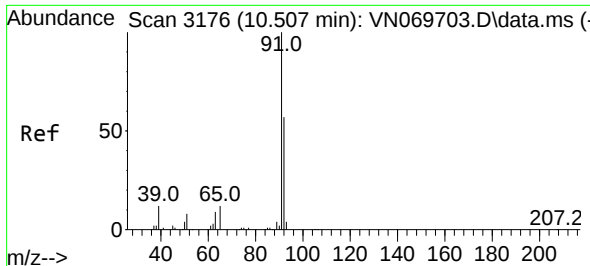
Reviewed By : John Carlone 12/10/2021
Supervised By : Mahesh Dadoda 12/15/2021



#50
Toluene-d8
Concen: 52.213 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Tgt Ion: 98 Resp: 3095795
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





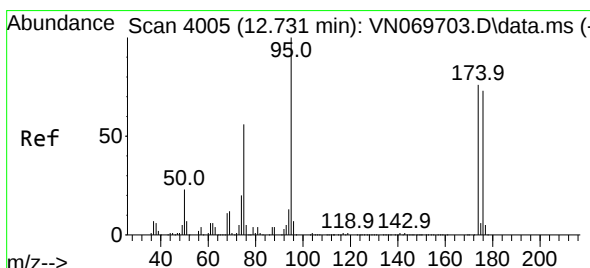
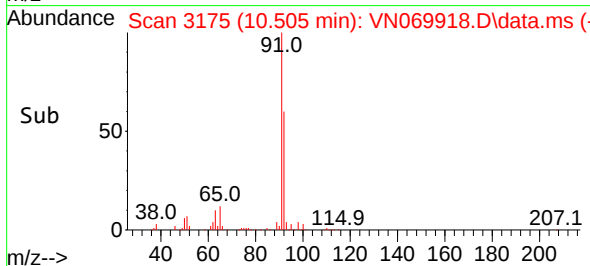
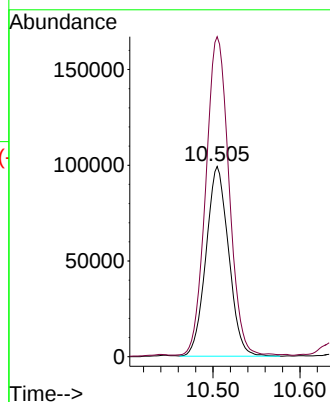
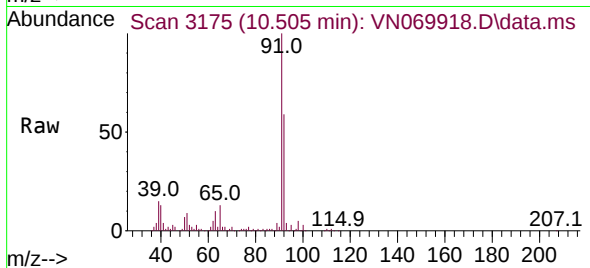
#52
Toluene
Concen: 4.283 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Instrument :
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Tgt Ion: 92 Resp: 17934
Ion Ratio Lower Upper
92 100
91 171.1 142.0 213.0

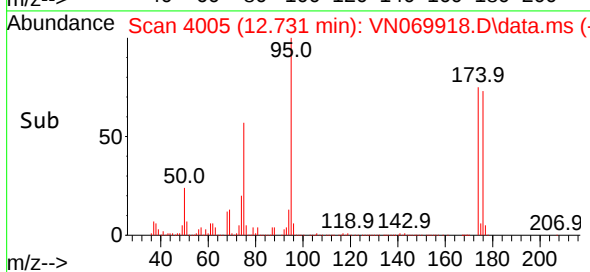
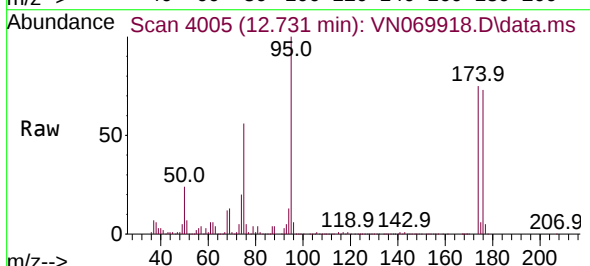
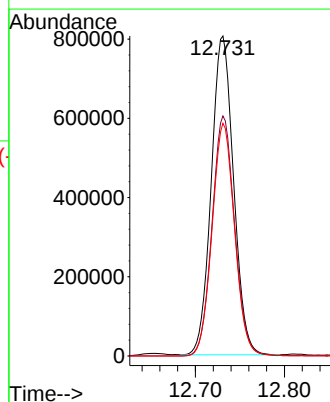
Manual Integrations
APPROVED

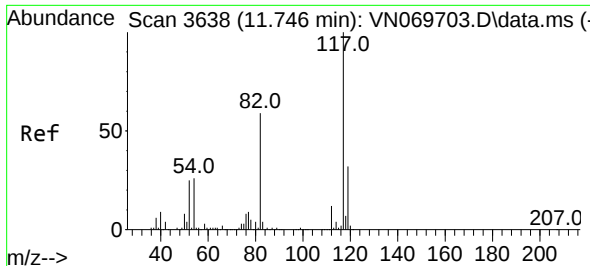
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#62
4-Bromofluorobenzene
Concen: 65.267 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

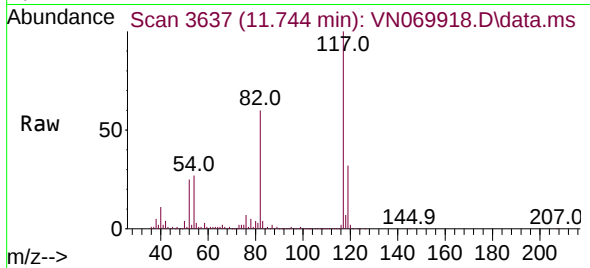
Tgt Ion: 95 Resp: 1401942
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.5 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

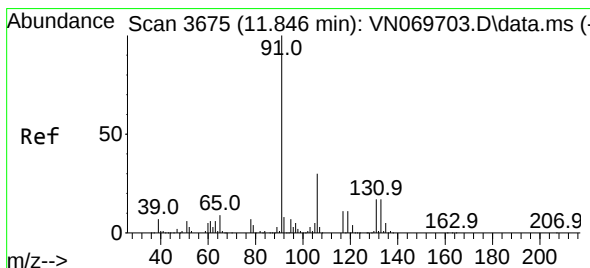
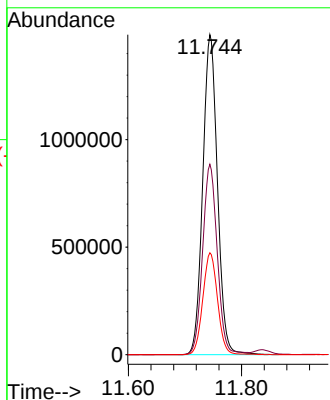
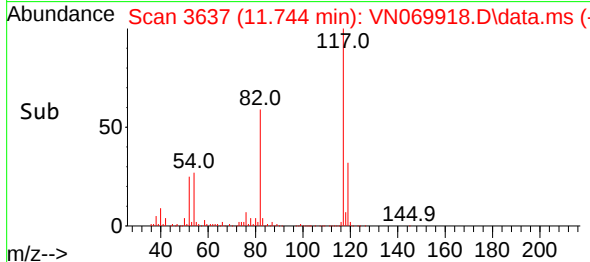
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



Tgt Ion:117 Resp: 2676280
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.9 25.4 38.2

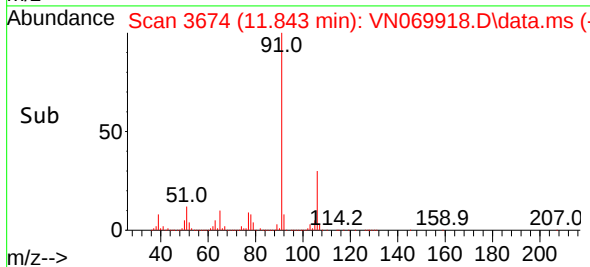
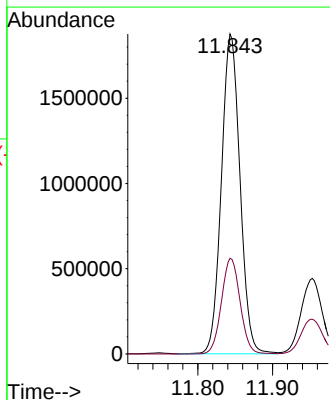
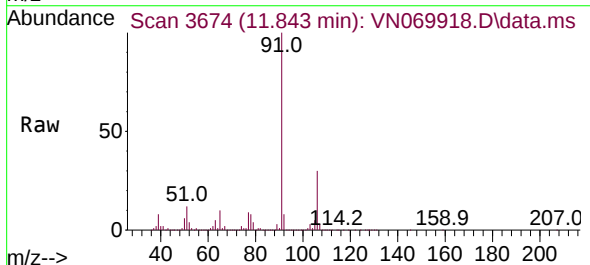
Manual Integrations
APPROVED

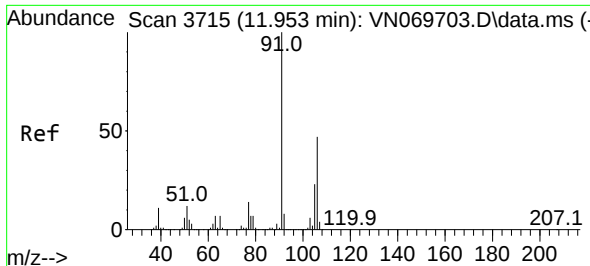
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#67
Ethyl Benzene
Concen: 32.853 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

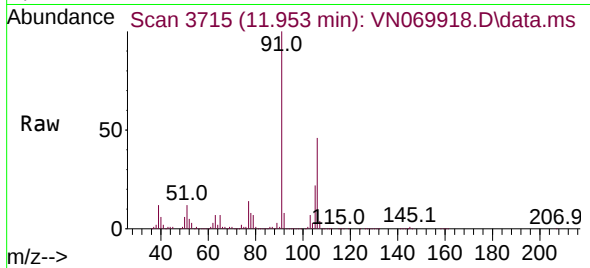
Tgt Ion: 91 Resp: 3240033
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5





#68
m/p-Xylenes
Concen: 11.465 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

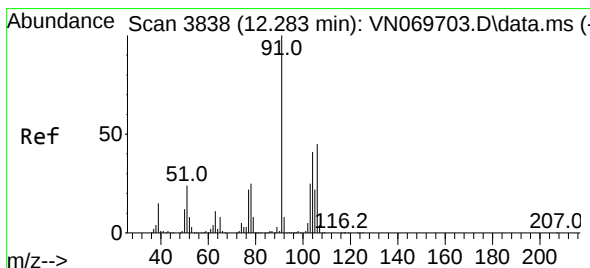
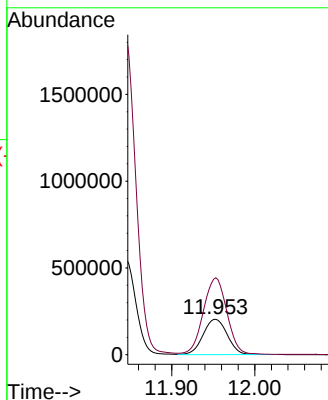
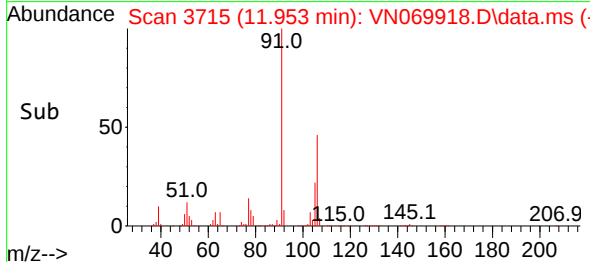
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



Tgt Ion:106 Resp: 411712
Ion Ratio Lower Upper
106 100
91 211.3 160.6 240.8

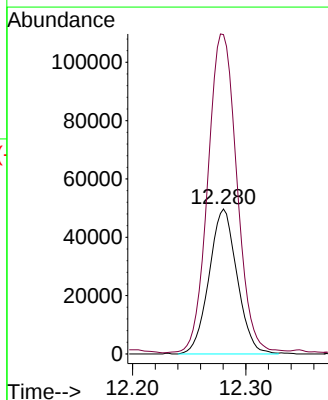
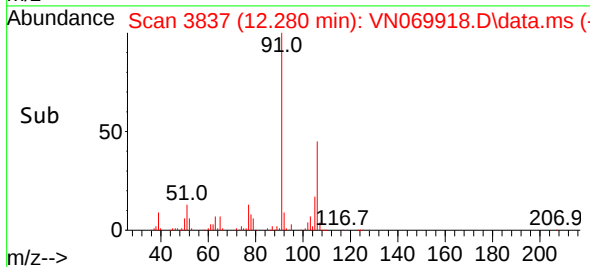
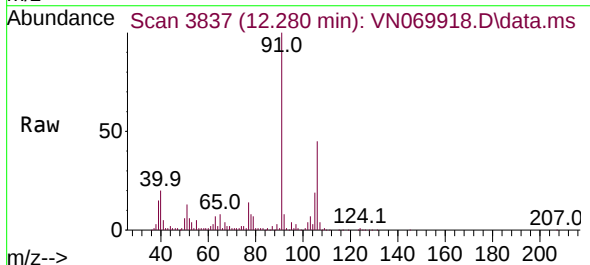
Manual Integrations
APPROVED

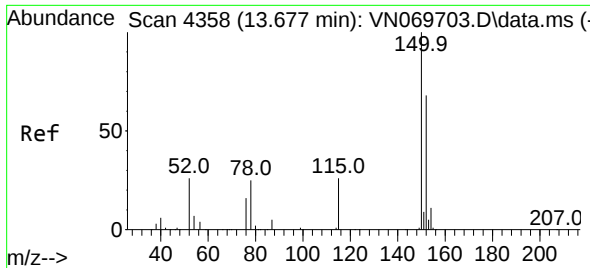
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#69
o-Xylene
Concen: 2.359 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

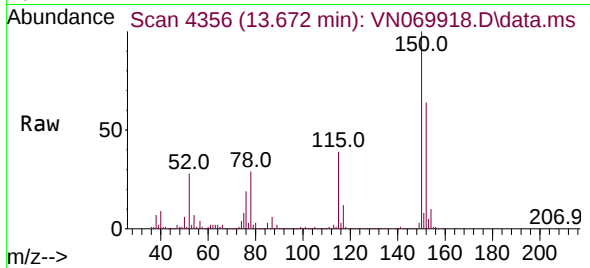
Tgt Ion:106 Resp: 85343
Ion Ratio Lower Upper
106 100
91 228.2 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4358
Delta R.T. -0.005 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

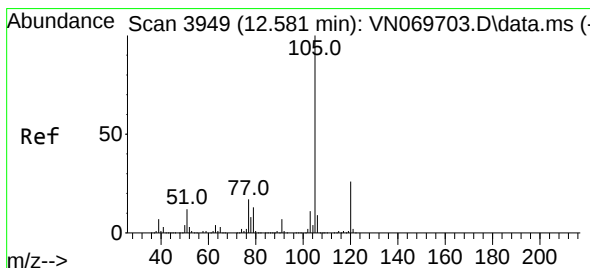
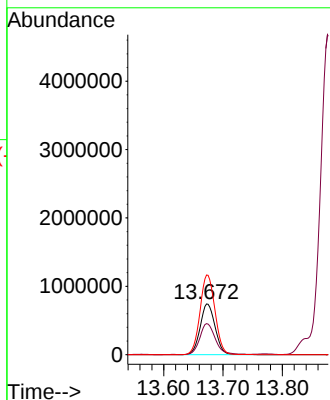
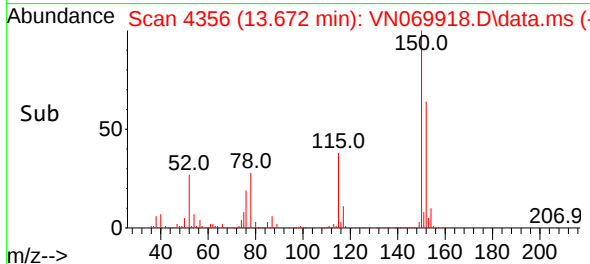
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



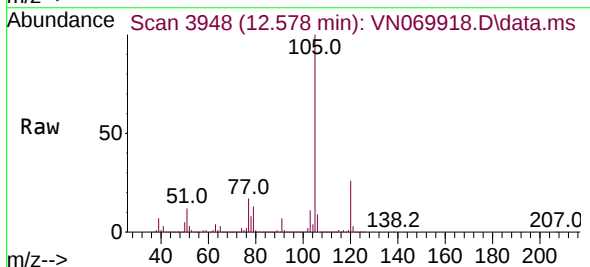
Tgt Ion:152 Resp: 1300540
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 156.4 0.0 344.4

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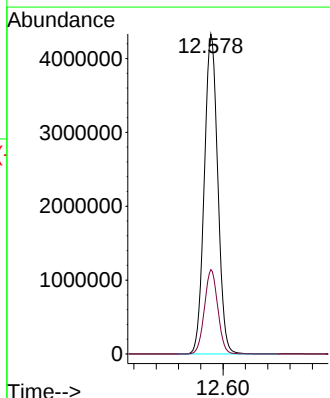
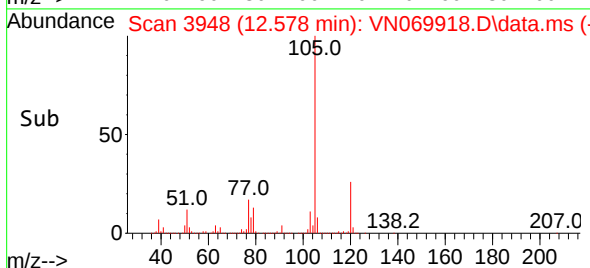
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

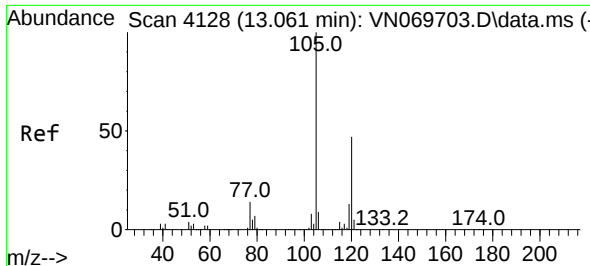


#73
Isopropylbenzene
Concen: 62.763 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03



Tgt Ion:105 Resp: 7262385
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1





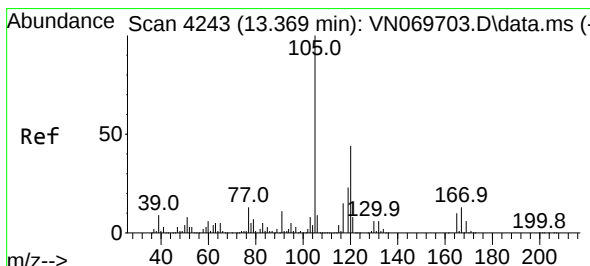
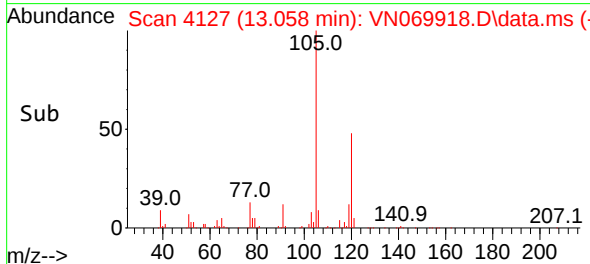
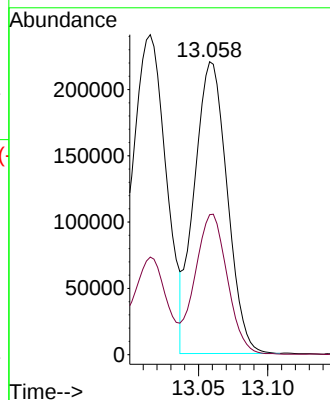
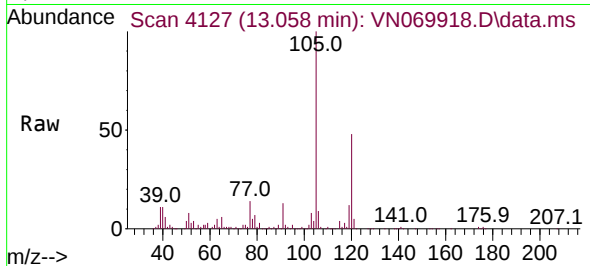
#80
1,3,5-Trimethylbenzene
Concen: 3.897 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Instrument :
MSVOA_N
ClientSampleId :
MW-1A

Tgt Ion:105 Resp: 362932
Ion Ratio Lower Upper
105 100
120 47.0 24.6 73.6

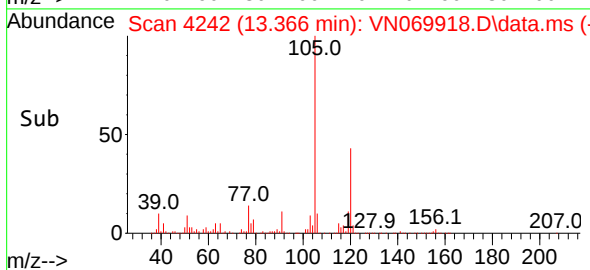
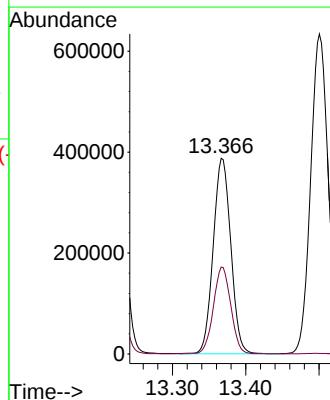
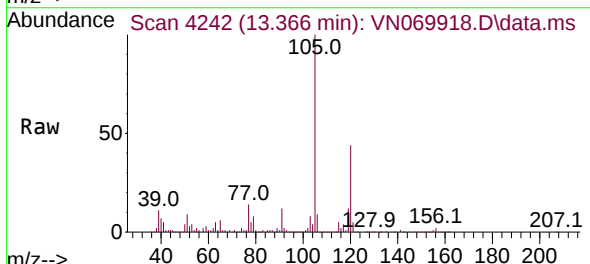
Manual Integrations
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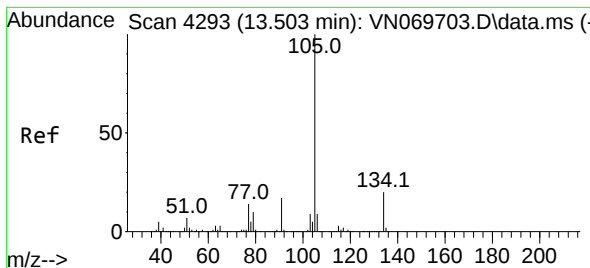
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#84
1,2,4-Trimethylbenzene
Concen: 7.267 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

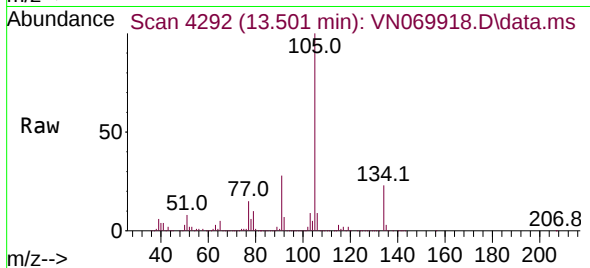
Tgt Ion:105 Resp: 644568
Ion Ratio Lower Upper
105 100
120 43.6 22.8 68.4





#85
sec-Butylbenzene
Concen: 9.397 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

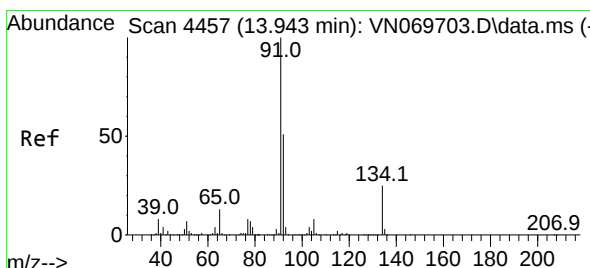
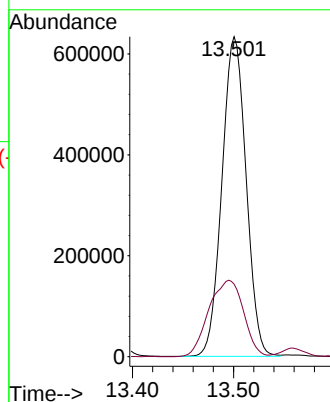
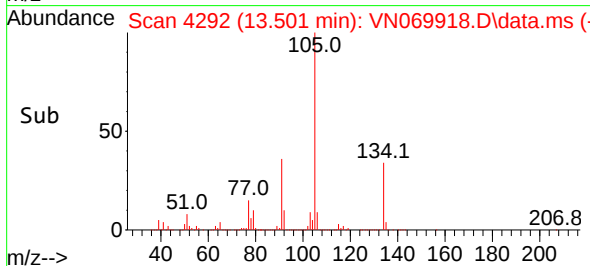
Instrument :
MSVOA_N
ClientSampleId :
MW-1A



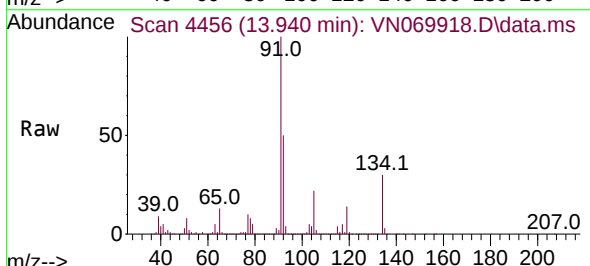
Tgt Ion:105 Resp: 1051100
Ion Ratio Lower Upper
105 100
134 34.4 10.4 31.1

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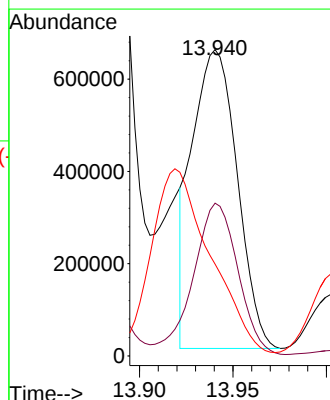
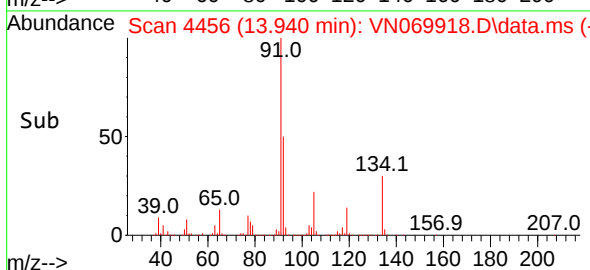
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

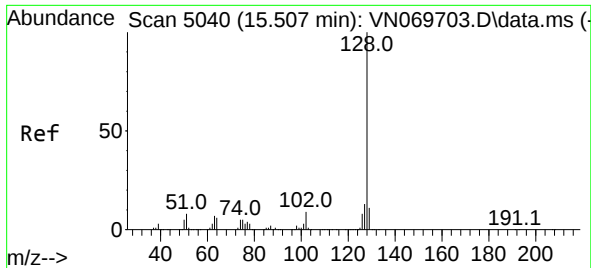


#89
n-Butylbenzene
Concen: 15.326 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03



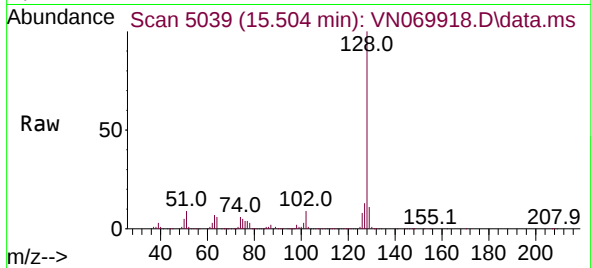
Tgt Ion: 91 Resp: 1087016
Ion Ratio Lower Upper
91 100
92 50.9 25.4 76.0
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 94.397 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069918.D
Acq: 9 Dec 2021 18:03

Instrument :
MSVOA_N
ClientSampleId :
MW-1A



Tgt Ion:128 Resp: 6244010
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.8 8.7 13.1

Manual Integrations
APPROVED

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

