

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071120.D
 Acq On : 01 Mar 2022 15:48
 Operator : JC\MD
 Sample : N1689-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:30:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	922405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1479506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1386126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	499489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	564025	53.529	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.060%			
35) Dibromofluoromethane	8.016	113	426276	48.440	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.880%			
50) Toluene-d8	10.433	98	1821317	51.536	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.727	95	667997	52.880	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.760%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.375	59	122148	63.610	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	58577	1.849	ug/l #	20
22) Diisopropyl ether	6.492	45	14805	0.448	ug/l #	82
31) Cyclohexane	8.086	56	60805	3.337	ug/l #	71
39) Methylcyclohexane	9.451	83	19524	1.052	ug/l	94
40) Benzene	8.451	78	3548137	83.198	ug/l	99
52) Toluene	10.498	92	214093	7.989	ug/l	96
67) Ethyl Benzene	11.839	91	2085865	39.900	ug/l	97
68) m/p-Xylenes	11.951	106	1076750	53.323	ug/l	99
69) o-Xylene	12.274	106	719979	36.499	ug/l	98
73) Isopropylbenzene	12.574	105	108191	2.691	ug/l	100
78) n-propylbenzene	12.915	91	275952	6.109	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	267765	8.221	ug/l	100
84) 1,2,4-Trimethylbenzene	13.362	105	1140366	35.566	ug/l	100
86) p-Isopropyltoluene	13.610	119	10872m	0.325	ug/l	
89) n-Butylbenzene	13.933	91	12465	0.457	ug/l #	72
95) Naphthalene	15.504	128	255313	15.282	ug/l	100

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

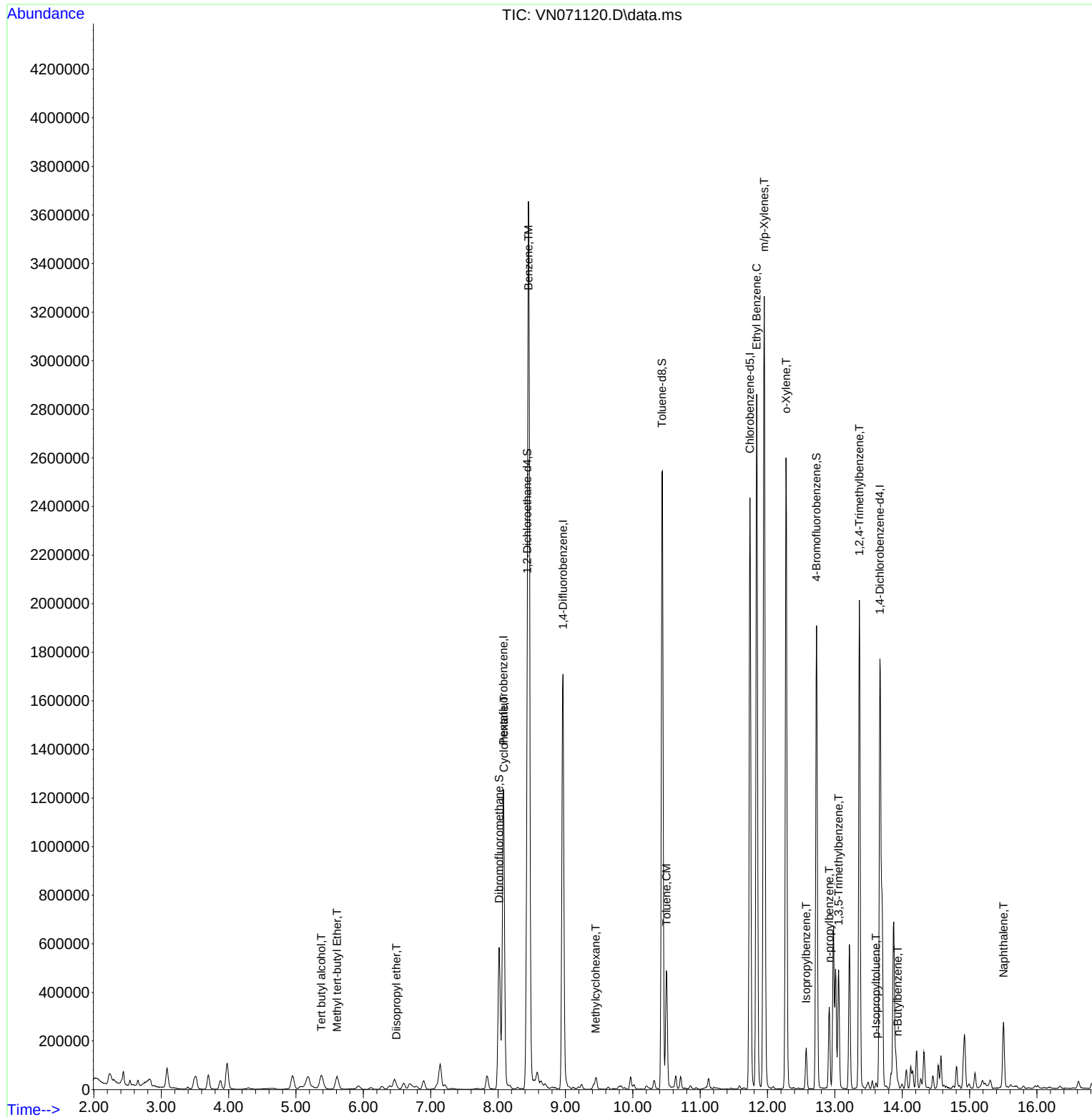
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
Data File : VN071120.D
Acq On : 01 Mar 2022 15:48
Operator : JC\MD
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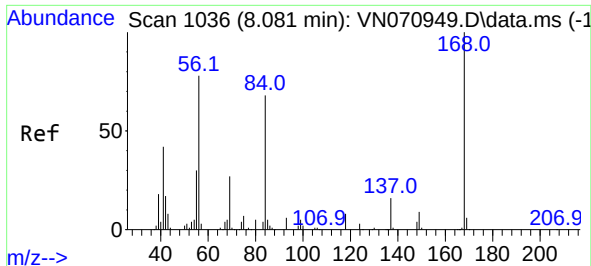
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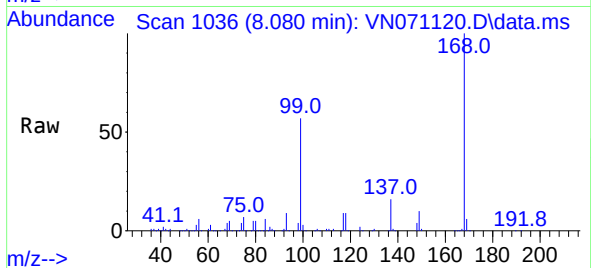
Quant Time: Mar 02 03:30:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

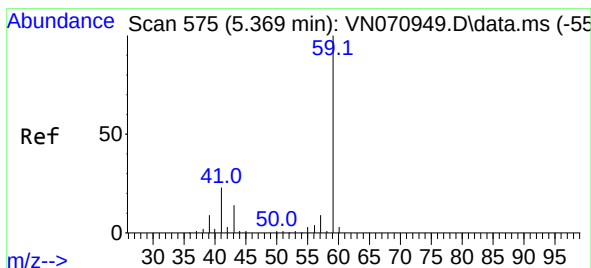
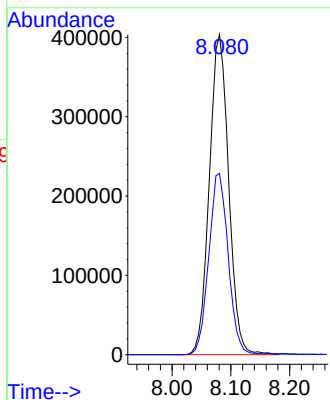
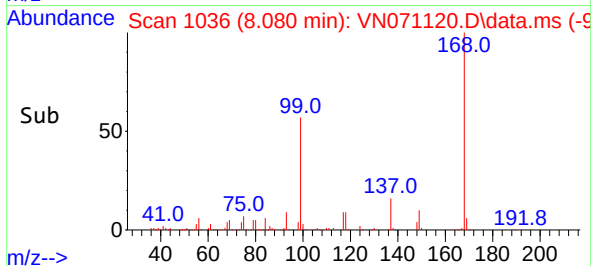
Instrument :
MSVOA_N
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Tgt Ion:168 Resp: 922405
Ion Ratio Lower Upper
168 100
99 56.6 41.3 61.9

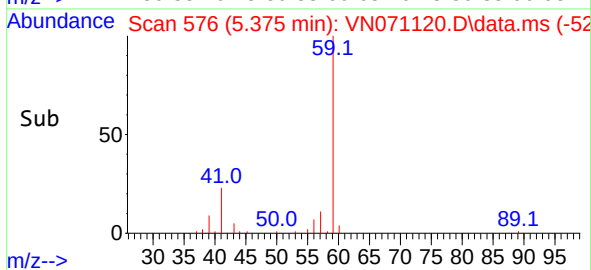
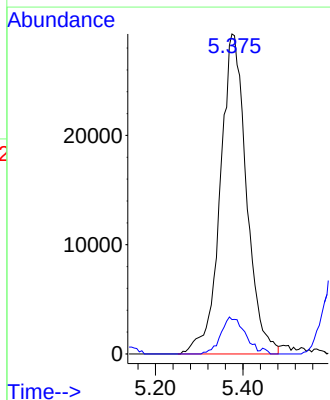
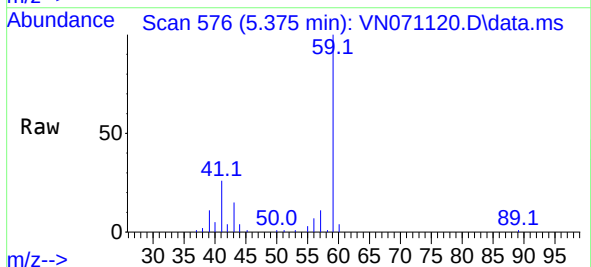
Manual Integrations
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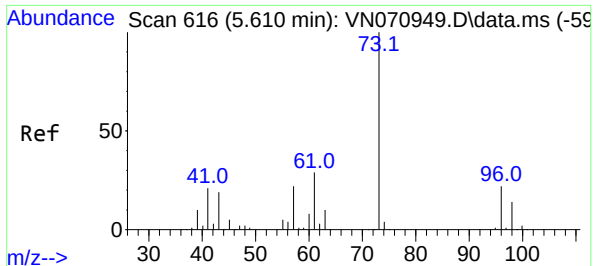
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#11
Tert butyl alcohol
Concen: 63.610 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

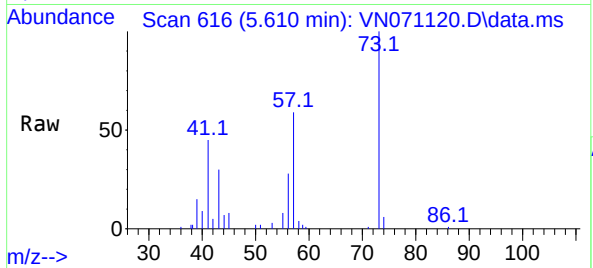
Tgt Ion: 59 Resp: 122148
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1





#19
Methyl tert-butyl Ether
Concen: 1.849 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

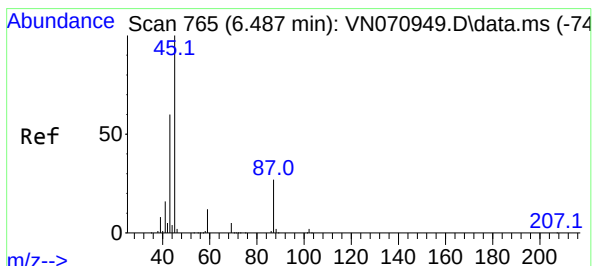
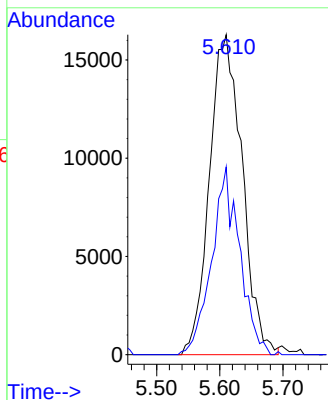
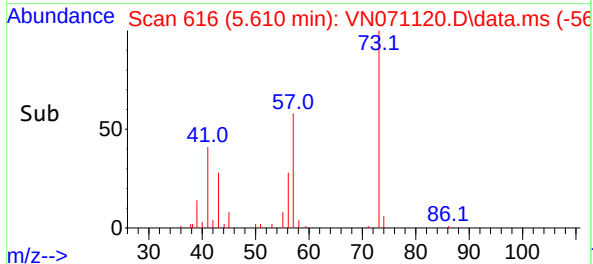
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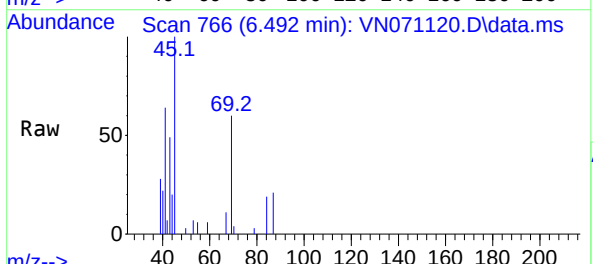
Tgt Ion: 73 Resp: 5857
Ion Ratio Lower Upper
73 100
57 58.6 16.8 25.2

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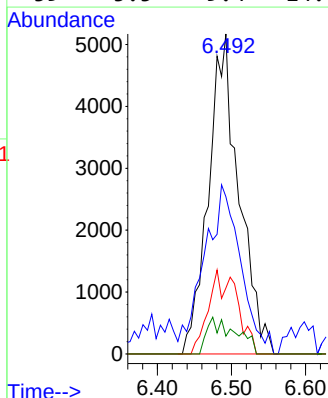
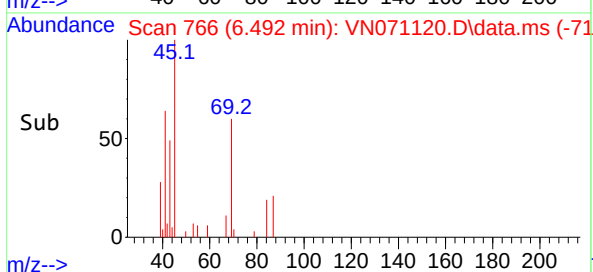
Reviewed By :John Carlone 03/02/2022
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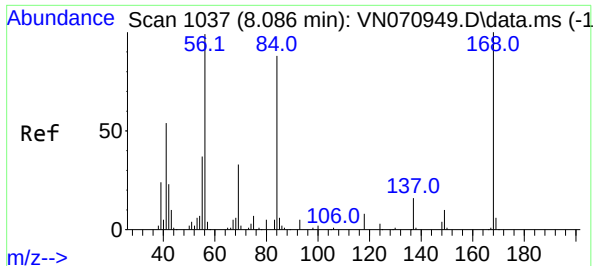


#22
Diisopropyl ether
Concen: 0.448 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



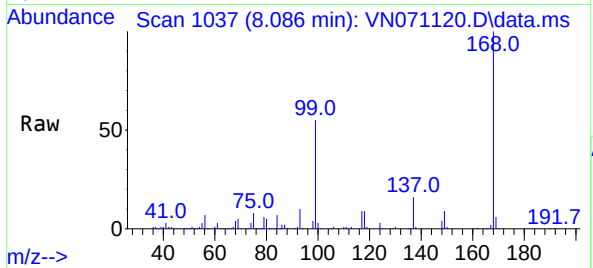
Tgt Ion: 45 Resp: 14805
Ion Ratio Lower Upper
45 100
43 49.1 51.7 77.5#
87 20.6 23.2 34.8#
59 5.5 9.4 14.0#





#31
Cyclohexane
Concen: 3.337 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

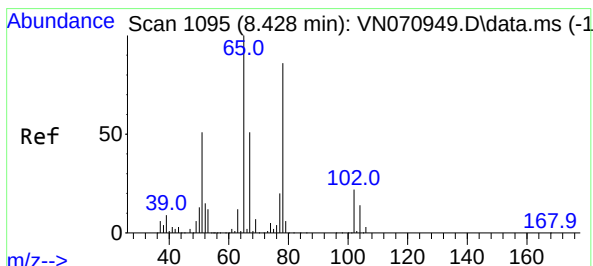
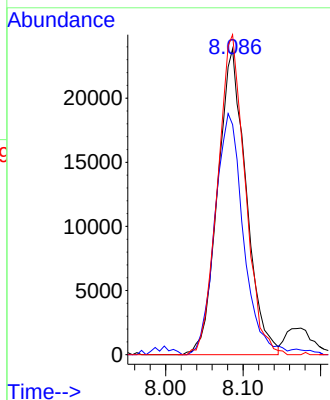
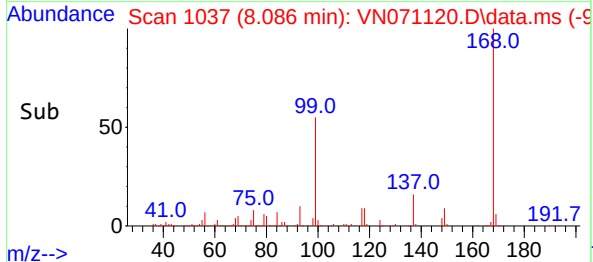
Instrument :
MSVOA_N
ClientSampleId :
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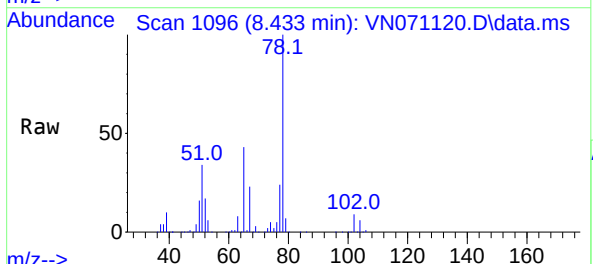
Tgt Ion: 56 Resp: 6080
Ion Ratio Lower Upper
56 100
69 74.2 27.1 40.7
84 104.6 73.4 110.0

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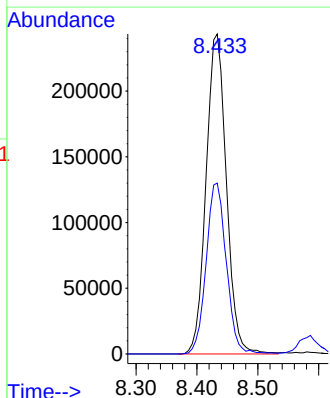
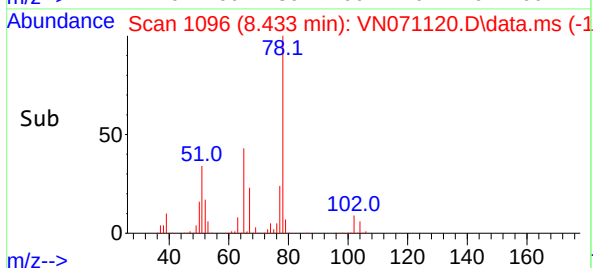
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

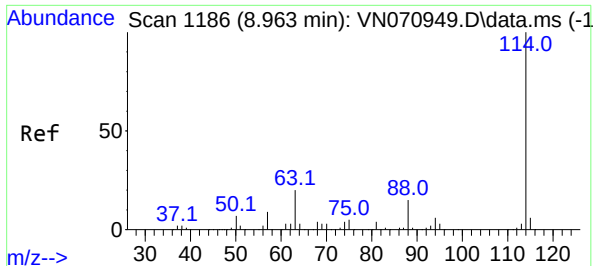


#33
1,2-Dichloroethane-d4
Concen: 53.529 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



Tgt Ion: 65 Resp: 564025
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071120.D

Acq: 01 Mar 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

MW-38

Tgt Ion:114 Resp: 1479500

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.8

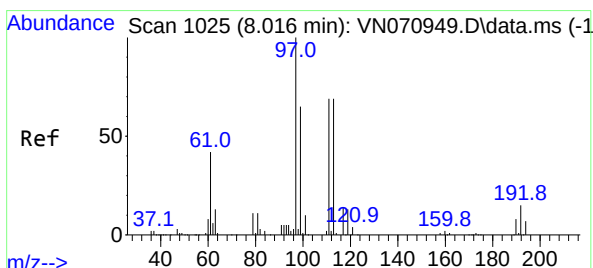
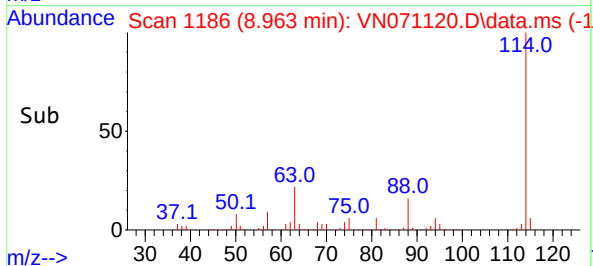
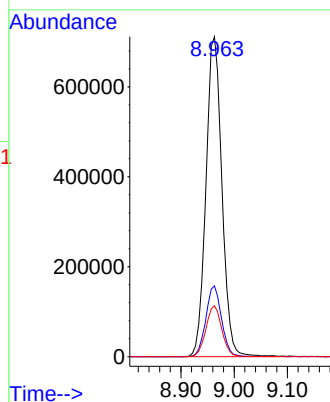
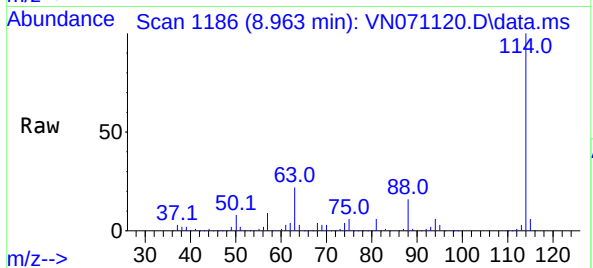
88 15.9 0.0 27.4

Manual Integrations

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#35

Dibromofluoromethane

Concen: 48.440 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071120.D

Acq: 01 Mar 2022 15:48

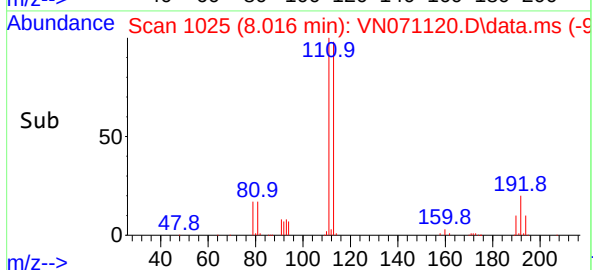
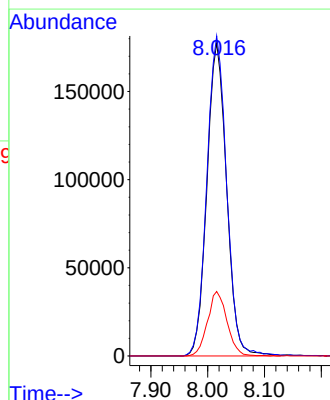
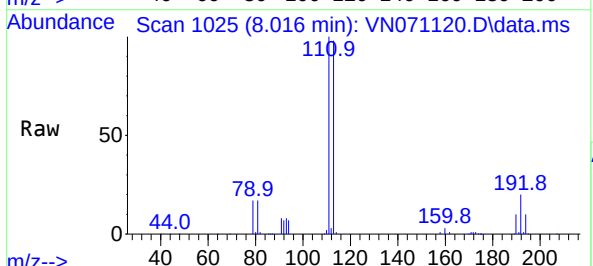
Tgt Ion:113 Resp: 426276

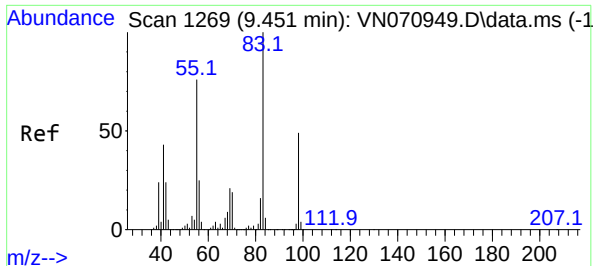
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.4 16.9 25.3





#39

Methylcyclohexane

Concen: 1.052 ug/l

RT: 9.451 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VN071120.D

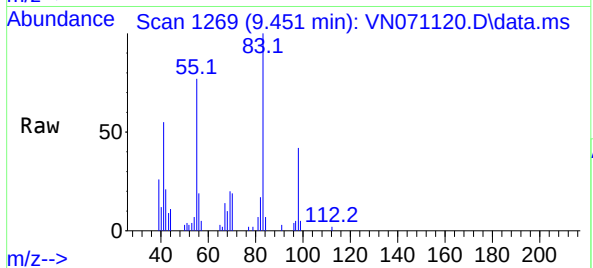
Acq: 01 Mar 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

MW-38



Tgt Ion: 83 Resp: 19524

Ion Ratio Lower Upper

83 100

55 76.6 58.1 87.1

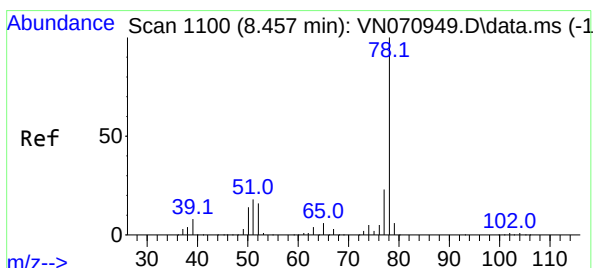
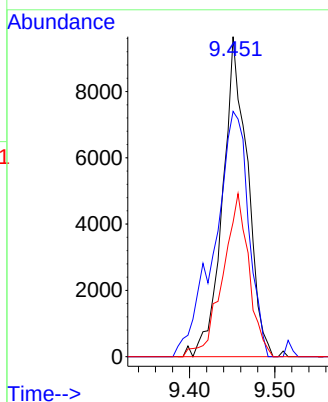
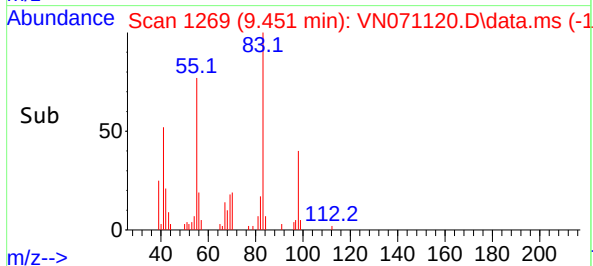
98 42.0 38.4 57.6

Manual Integrations

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#40

Benzene

Concen: 83.198 ug/l

RT: 8.451 min Scan# 1099

Delta R.T. -0.006 min

Lab File: VN071120.D

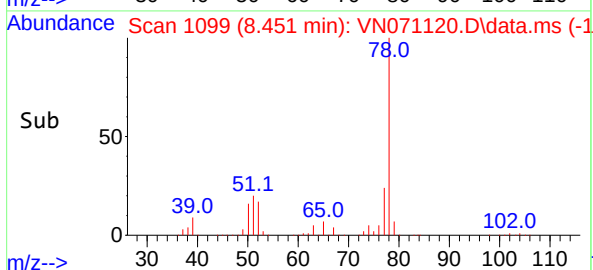
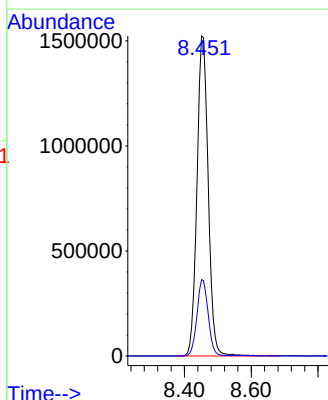
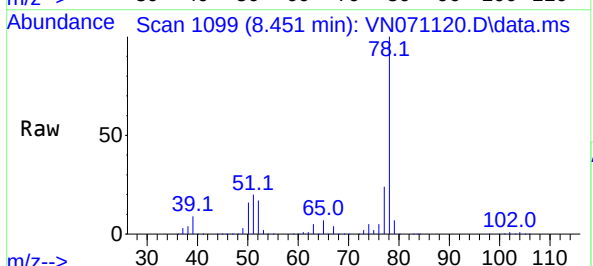
Acq: 01 Mar 2022 15:48

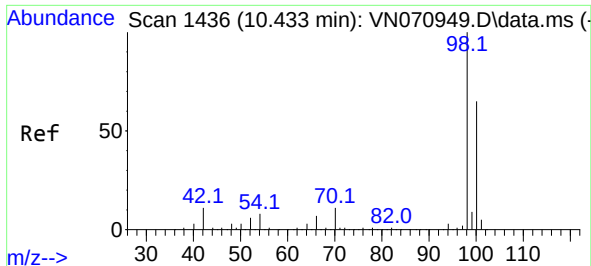
Tgt Ion: 78 Resp: 3548137

Ion Ratio Lower Upper

78 100

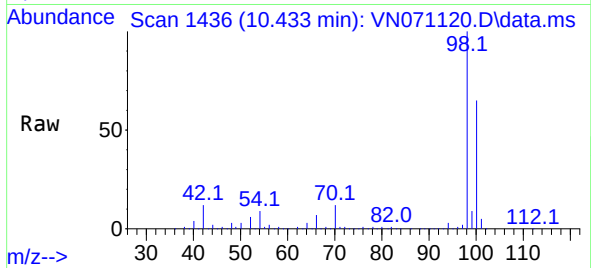
77 23.8 18.6 27.8





#50
Toluene-d8
Concen: 51.536 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

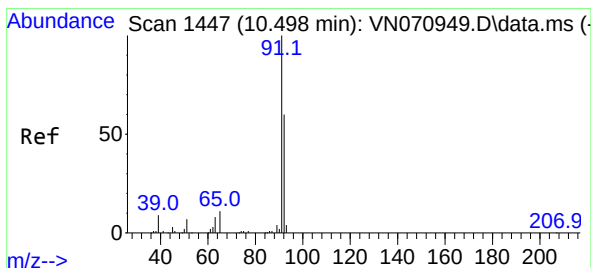
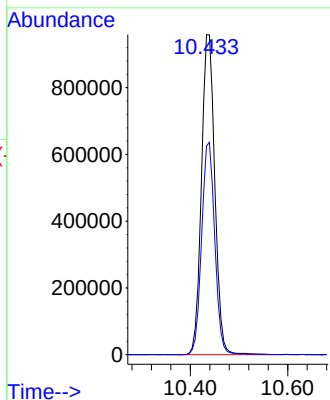
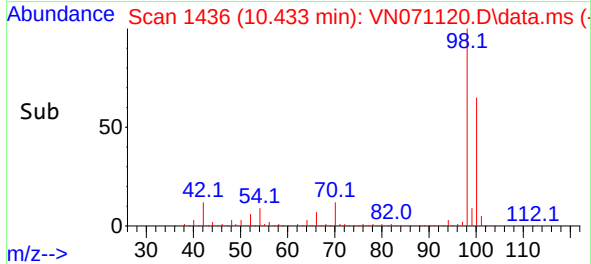
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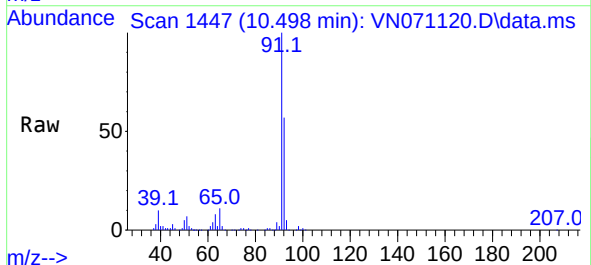
Tgt Ion: 98 Resp: 182131
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

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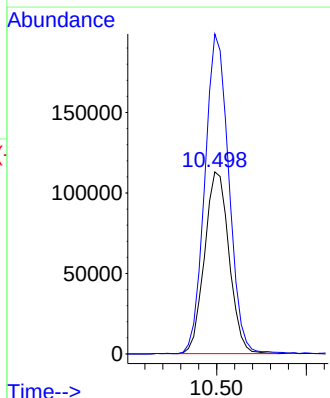
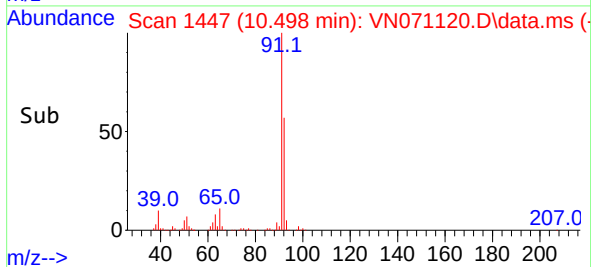
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

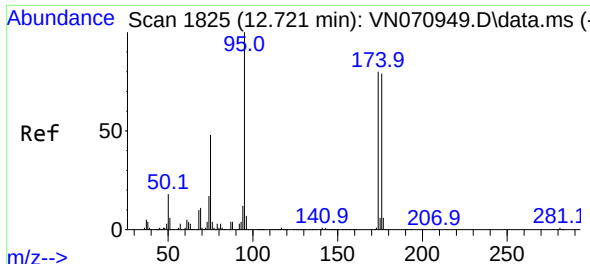


#52
Toluene
Concen: 7.989 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



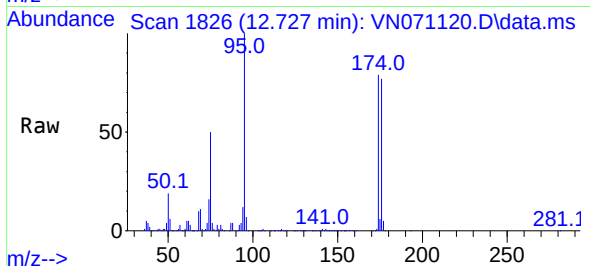
Tgt Ion: 92 Resp: 214093
Ion Ratio Lower Upper
92 100
91 172.3 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 52.880 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

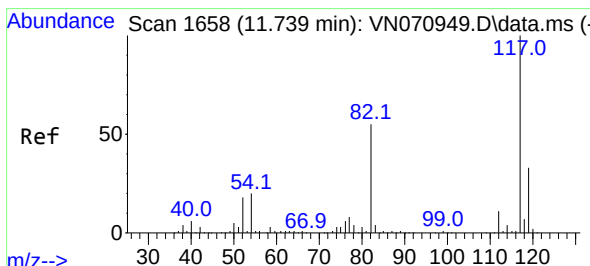
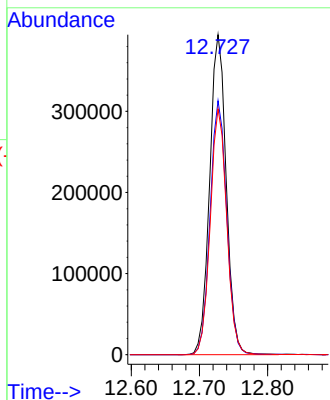
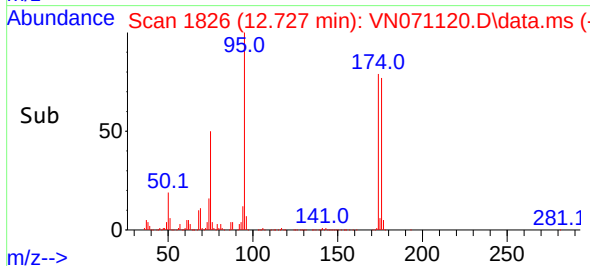
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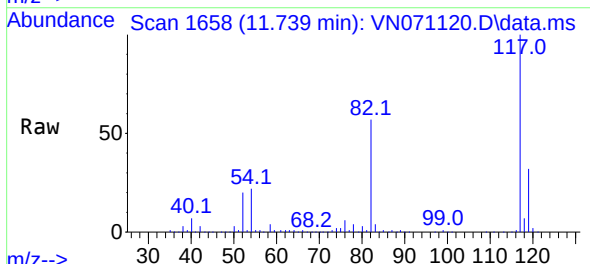
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Ion Ratio Lower Upper
95 100
174 79.7 0.0 187.2
176 76.5 0.0 181.4

Manual Integrations
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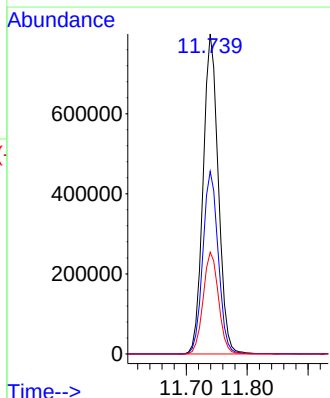
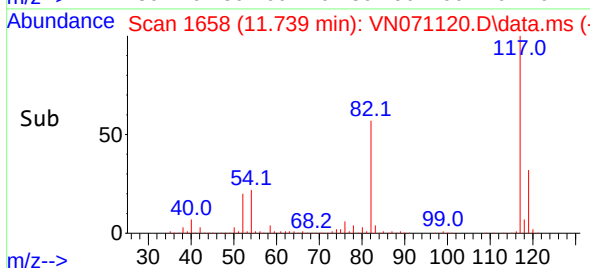
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

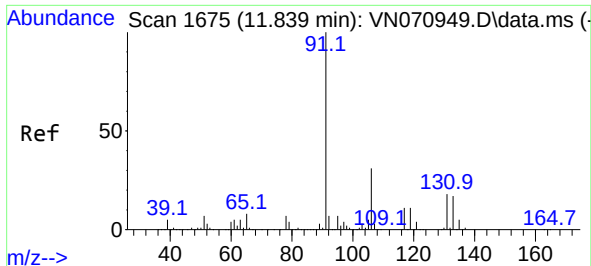


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



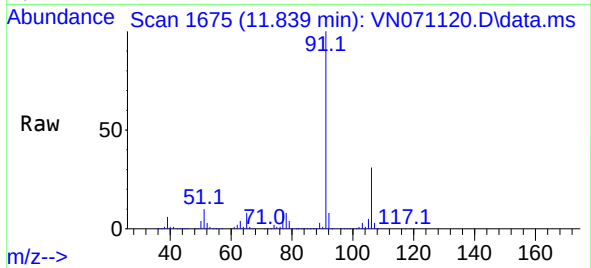
Tgt Ion:117 Resp: 1386126
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 31.8 25.4 38.2





#67
Ethyl Benzene
Concen: 39.900 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

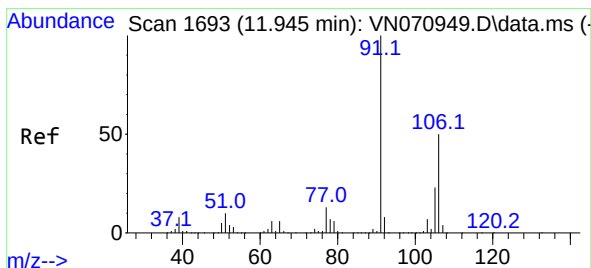
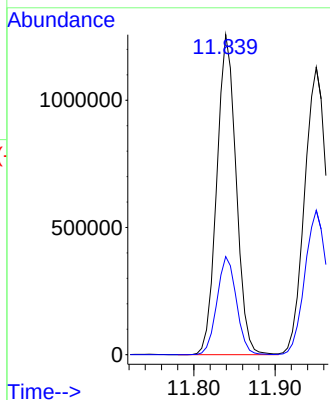
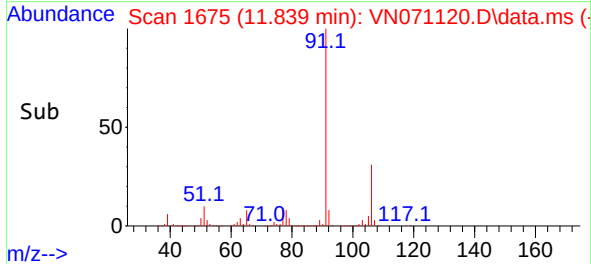
Instrument :
MSVOA_N
ClientSampleId :
MW-38



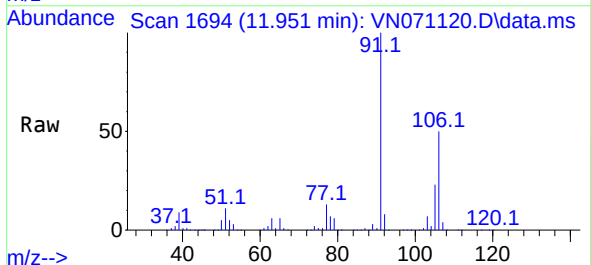
Tgt Ion: 91 Resp: 208586
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5

Manual Integrations
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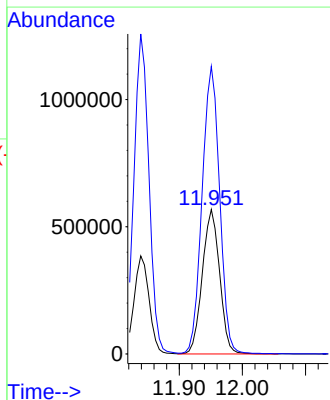
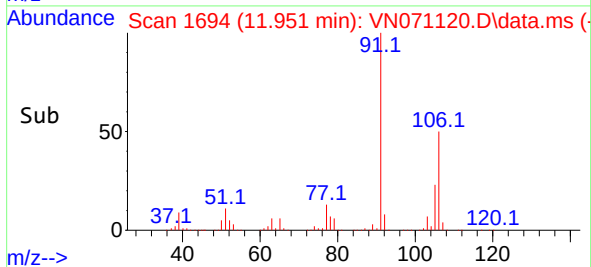
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

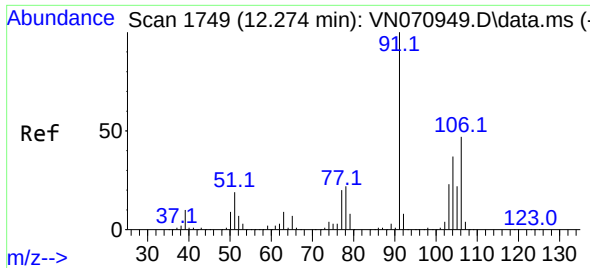


#68
m/p-Xylenes
Concen: 53.323 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



Tgt Ion:106 Resp: 1076750
Ion Ratio Lower Upper
106 100
91 201.8 160.6 240.8





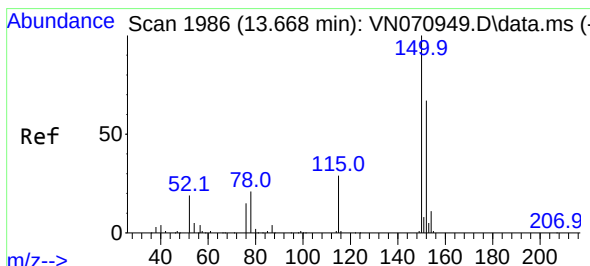
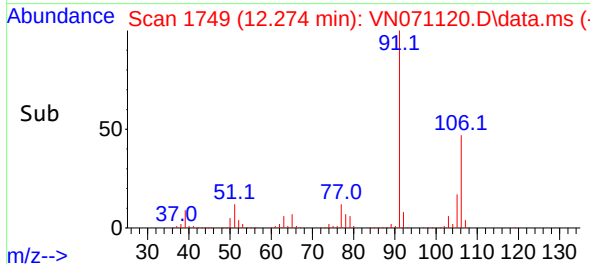
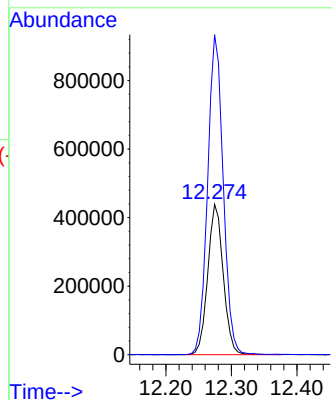
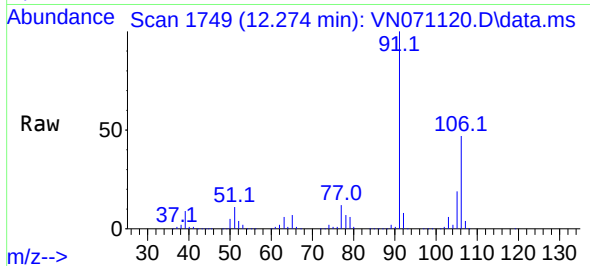
#69
o-Xylene
Concen: 36.499 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-38

Tgt Ion:106 Resp: 719979
Ion Ratio Lower Upper
106 100
91 214.3 105.8 317.3

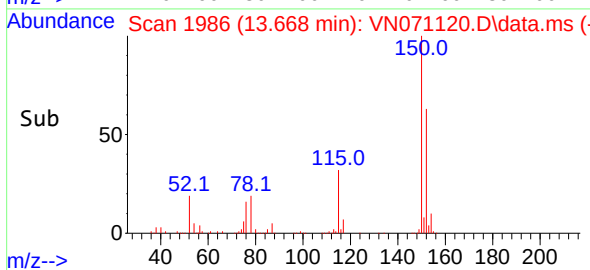
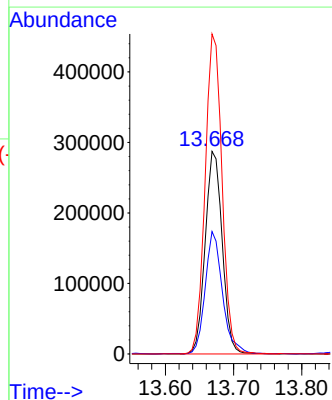
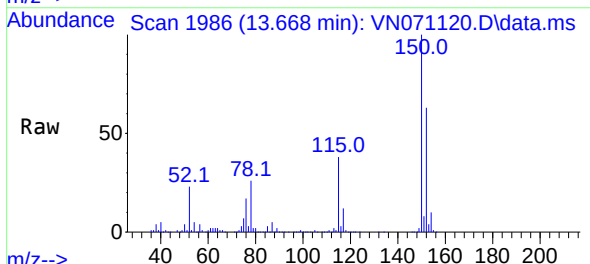
Manual Integrations
APPROVED

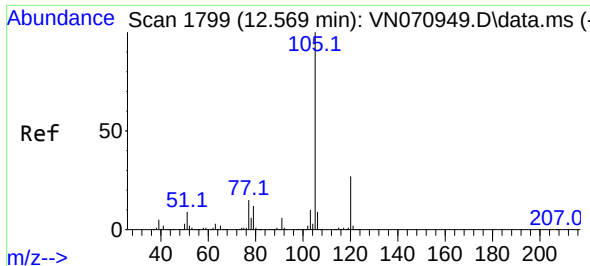
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Tgt Ion:152 Resp: 499489
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 156.4 0.0 344.4





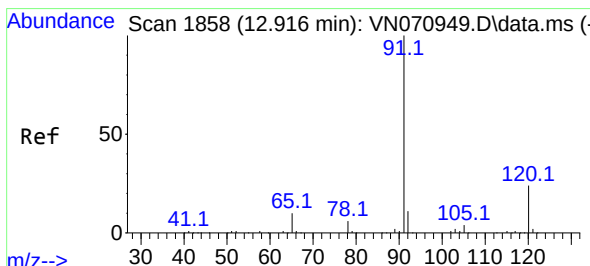
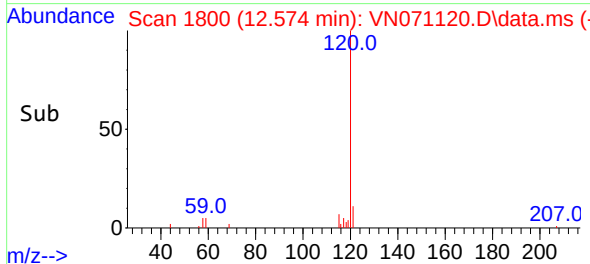
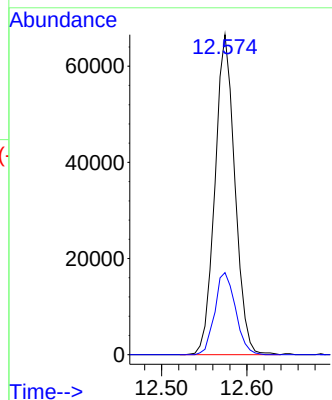
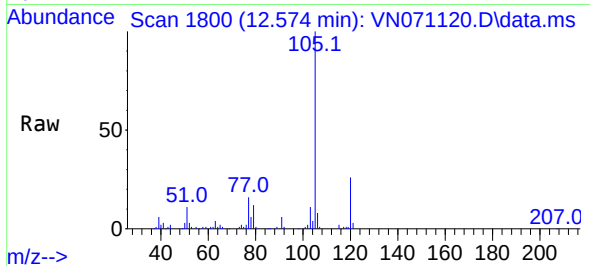
#73
Isopropylbenzene
Concen: 2.691 ug/l
RT: 12.574 min Scan# 1799
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-38

Tgt Ion:105 Resp: 10819
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

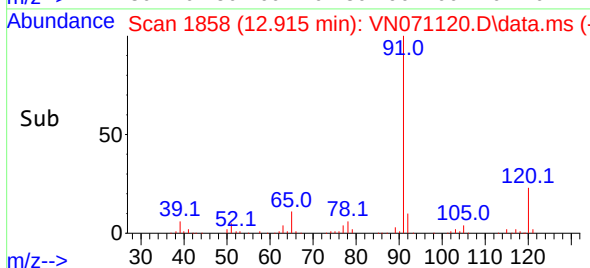
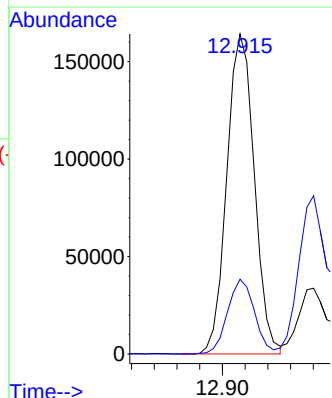
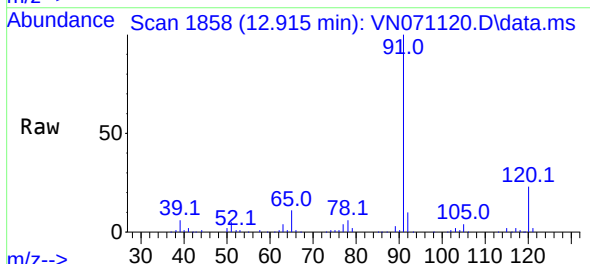
Manual Integrations
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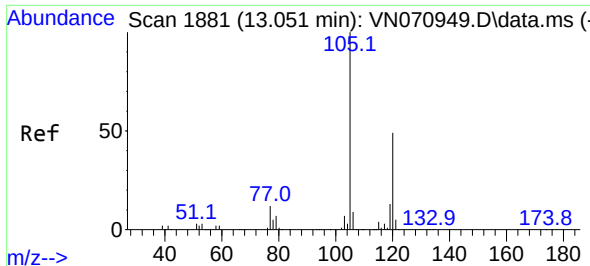
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#78
n-propylbenzene
Concen: 6.109 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Tgt Ion: 91 Resp: 275952
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.9





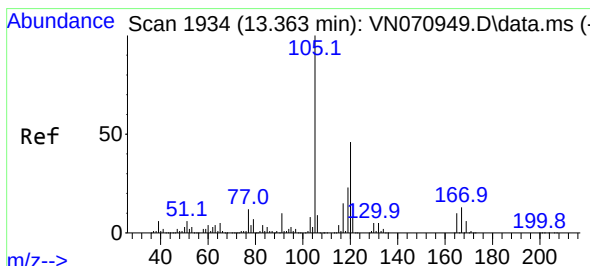
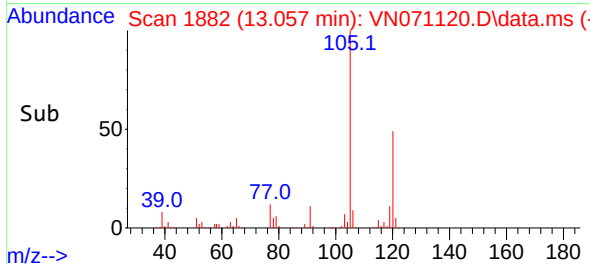
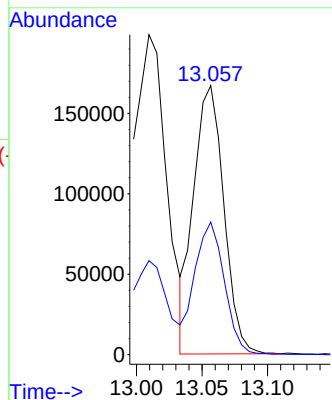
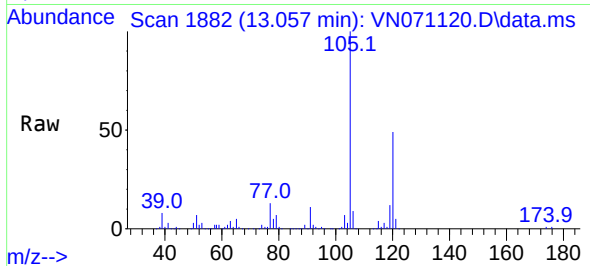
#80
1,3,5-Trimethylbenzene
Concen: 8.221 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-38

Tgt Ion:105 Resp: 26776
Ion Ratio Lower Upper
105 100
120 48.9 24.6 73.6

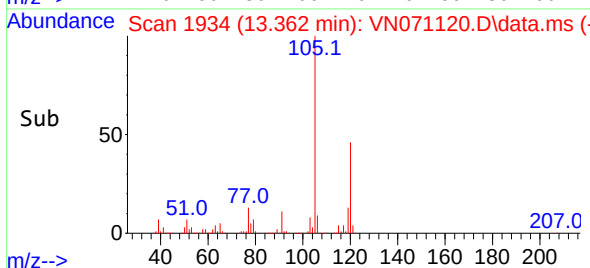
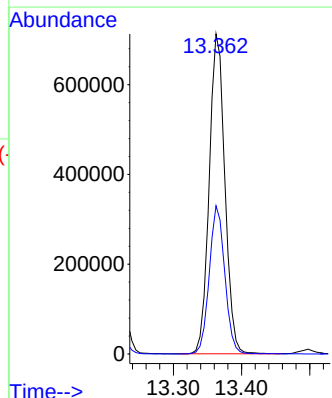
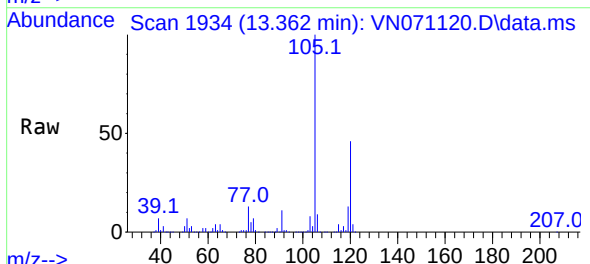
Manual Integrations
APPROVED

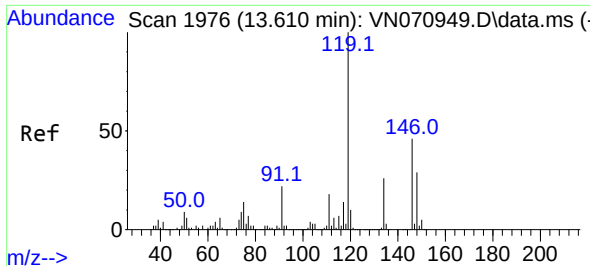
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#84
1,2,4-Trimethylbenzene
Concen: 35.566 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

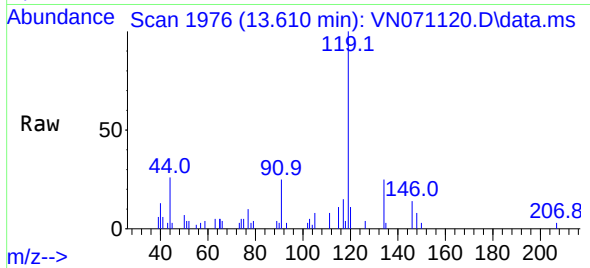
Tgt Ion:105 Resp: 1140366
Ion Ratio Lower Upper
105 100
120 45.9 22.8 68.4





#86
p-Isopropyltoluene
Concen: 0.325 ug/l m
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

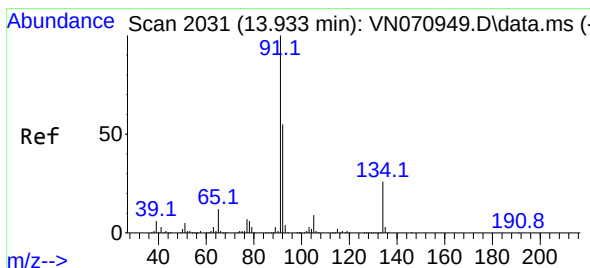
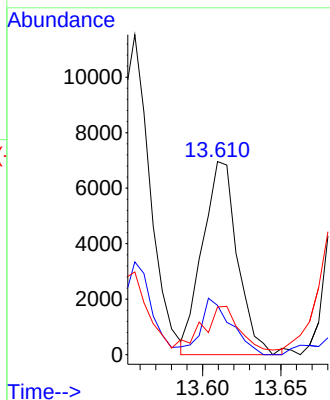
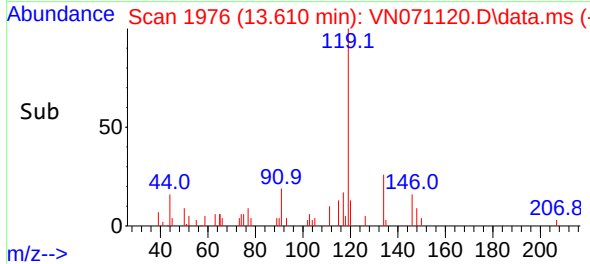
Instrument :
MSVOA_N
ClientSampleId :
MW-38



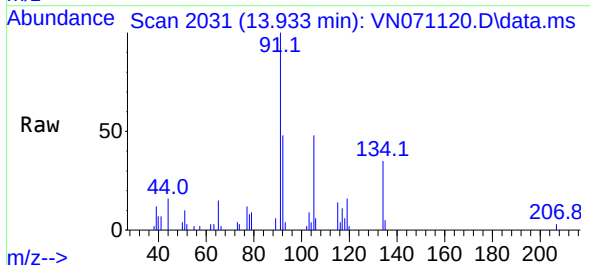
Tgt Ion:119 Resp: 10872
Ion Ratio Lower Upper
119 100
134 46.5 13.6 40.7
91 34.3 11.4 34.1

Manual Integrations
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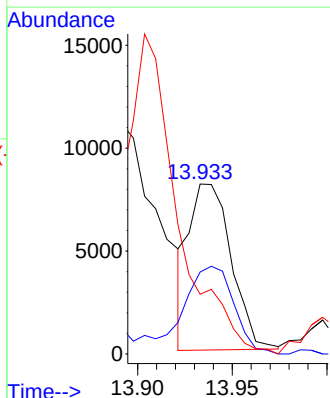
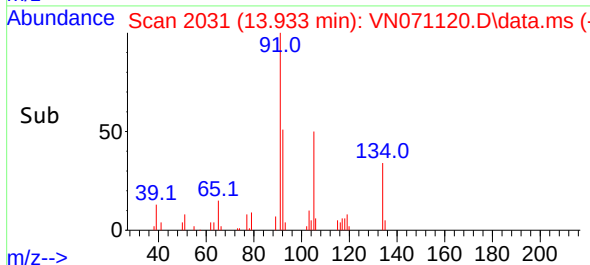
Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

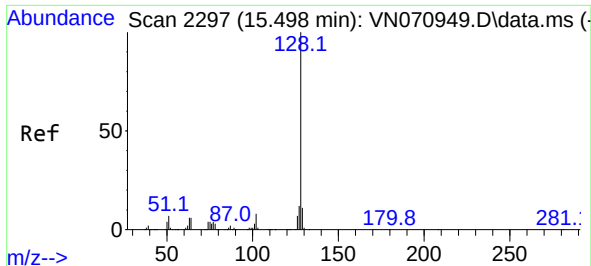


#89
n-Butylbenzene
Concen: 0.457 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48



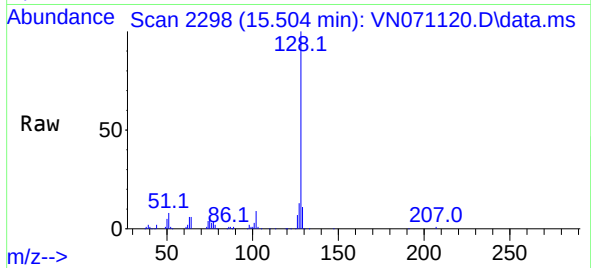
Tgt Ion: 91 Resp: 12465
Ion Ratio Lower Upper
91 100
92 61.3 25.4 76.0
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 15.282 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071120.D
Acq: 01 Mar 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion:128 Resp: 255311
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.1 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

