

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072462.D
 Acq On : 12 May 2022 18:57
 Operator : JC\MD
 Sample : N2800-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP051022

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:48:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	216271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	346638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	317322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	144725	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	170375	51.433	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 102.860%		
35) Dibromofluoromethane	8.016	113	117984	51.160	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 102.320%		
50) Toluene-d8	10.439	98	443820	50.531	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.060%		
62) 4-Bromofluorobenzene	12.727	95	159513	54.686	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 109.380%		
Target Compounds						Qvalue
25) 2-Butanone	7.333	43	14632	7.067	ug/l #	75
31) Cyclohexane	8.092	56	288659	65.763	ug/l	92
39) Methylcyclohexane	9.457	83	223026	59.911	ug/l	95
40) Benzene	8.463	78	24611	2.487	ug/l #	83
51) 4-Methyl-2-Pentanone	10.327	43	14004	3.695	ug/l	94
52) Toluene	10.504	92	527162	86.400	ug/l	99
67) Ethyl Benzene	11.839	91	2664498	238.203	ug/l	99
68) m/p-Xylenes	11.945	106	2483653	585.428	ug/l	91
69) o-Xylene	12.274	106	1250117	299.907	ug/l	93
73) Isopropylbenzene	12.574	105	296453	24.726	ug/l	99
78) n-propylbenzene	12.915	91	656933	51.205	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	838168	85.359	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	2881969	301.713	ug/l	96
85) sec-Butylbenzene	13.498	105	57273m	4.996	ug/l	
86) p-Isopropyltoluene	13.610	119	29621m	3.317	ug/l	
89) n-Butylbenzene	13.939	91	57983	8.494	ug/l #	72
95) Naphthalene	15.498	128	681955	95.503	ug/l	100

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

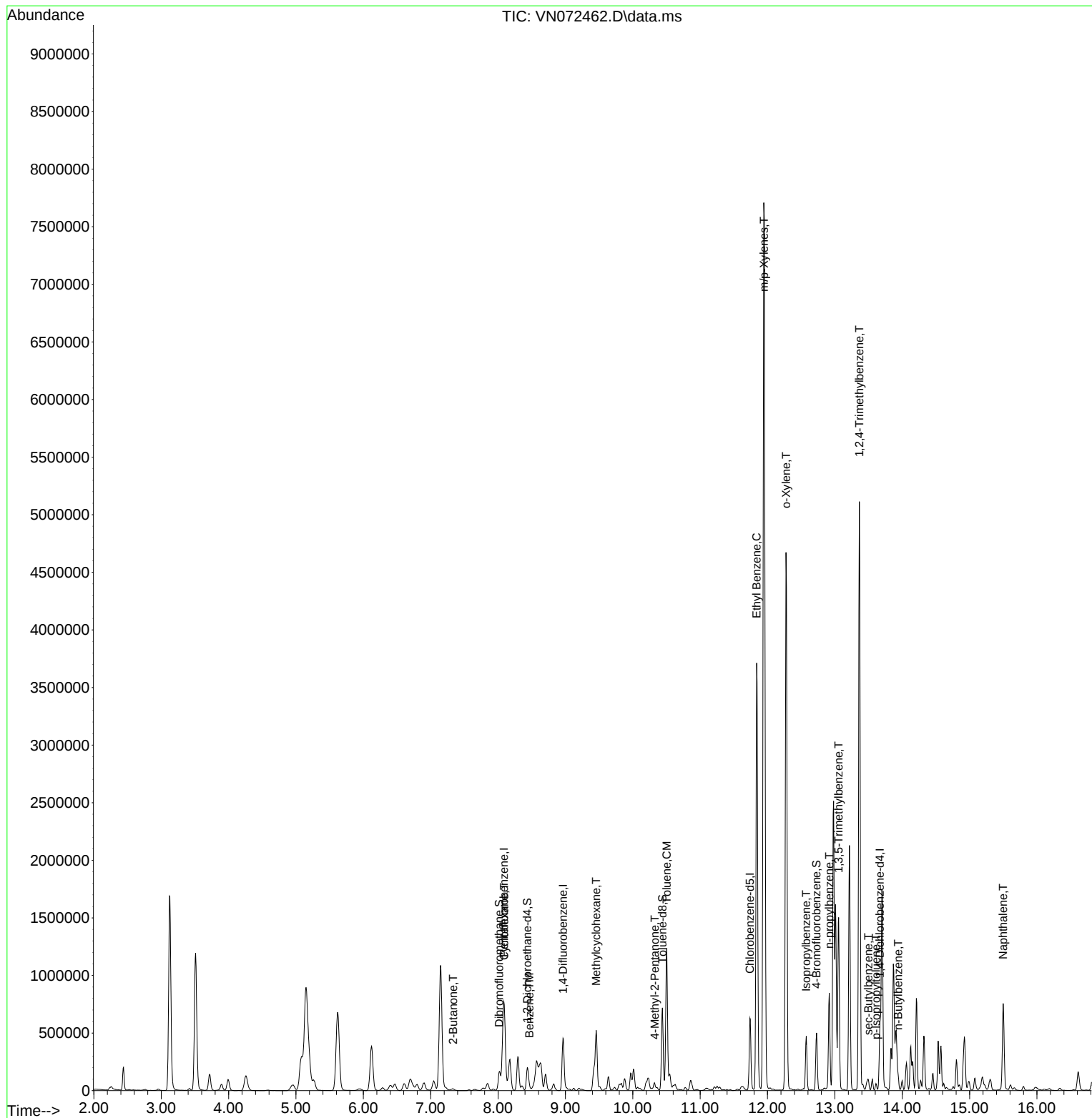
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
Data File : VN072462.D
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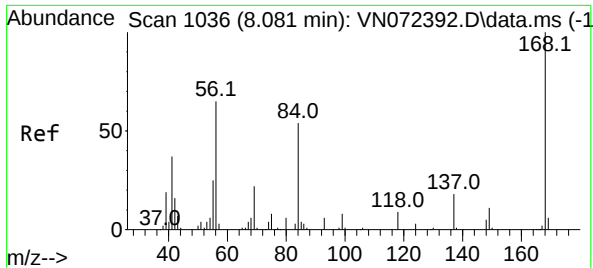
Instrument :
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Quant Time: May 13 02:48:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
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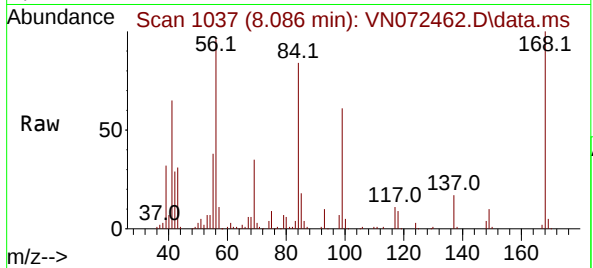
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

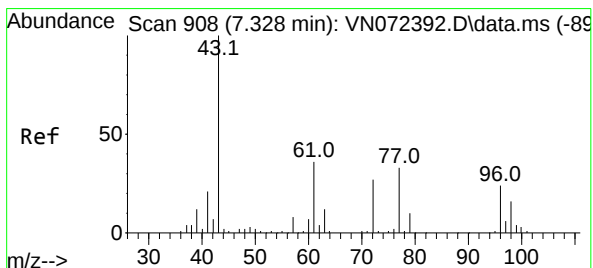
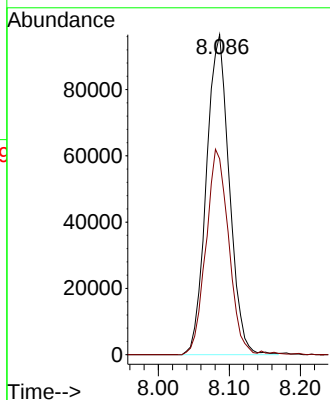
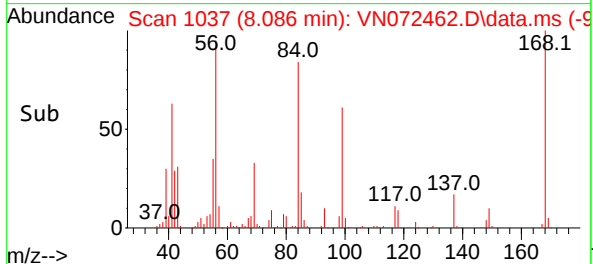
Instrument :
MSVOA_N
ClientSampleId :
DUP051022



Tgt Ion:168 Resp: 21627
Ion Ratio Lower Upper
168 100
99 61.2 42.3 63.5

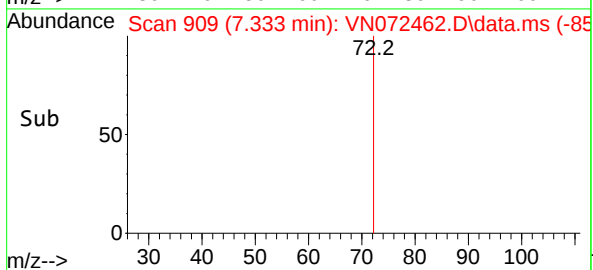
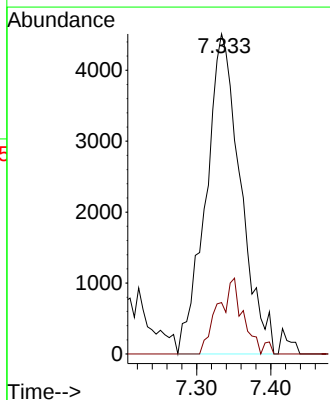
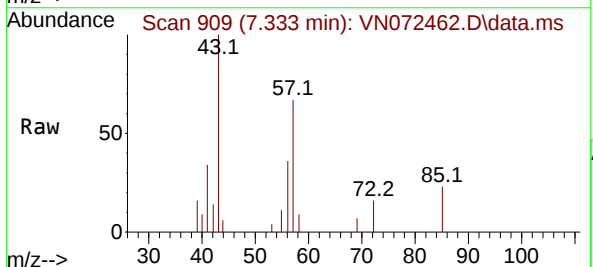
Manual Integrations
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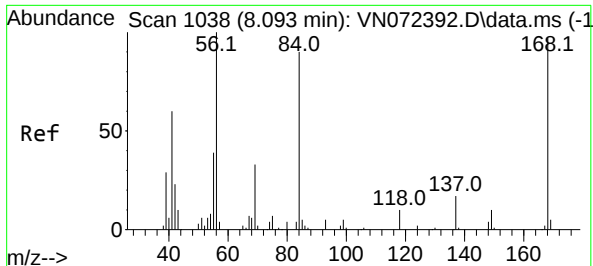
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#25
2-Butanone
Concen: 7.067 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

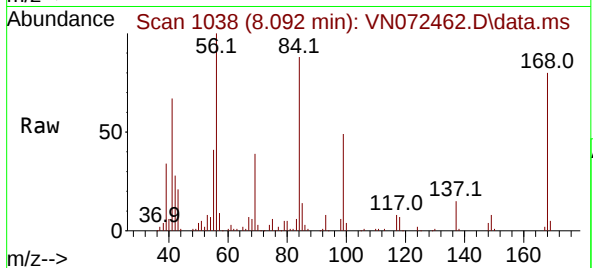
Tgt Ion: 43 Resp: 14632
Ion Ratio Lower Upper
43 100
72 16.0 23.7 35.5#





#31
Cyclohexane
Concen: 65.763 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

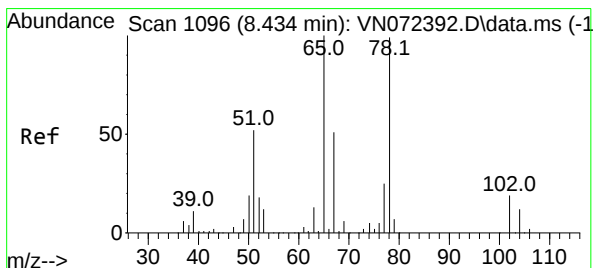
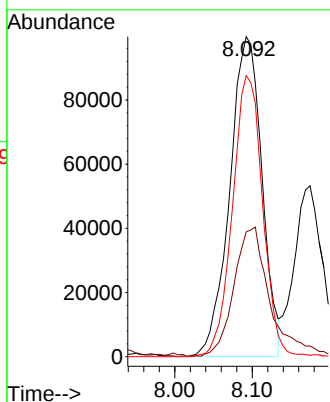
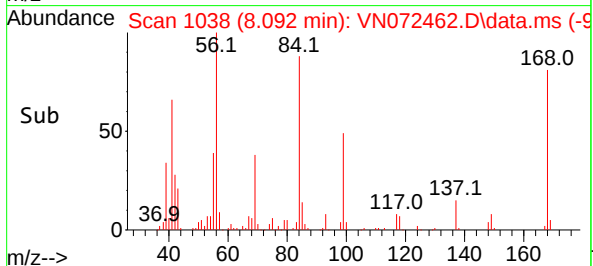
Instrument :
MSVOA_N
ClientSampleId :
DUP051022



Tgt Ion: 56 Resp: 288659
Ion Ratio Lower Upper
56 100
69 38.4 27.8 41.8
84 87.9 76.9 115.3

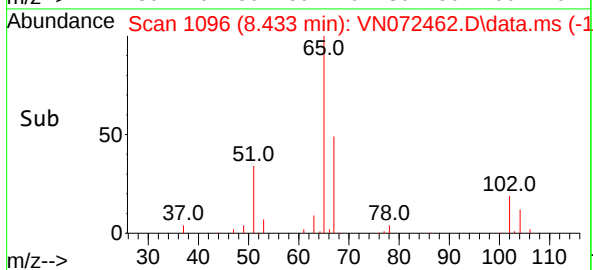
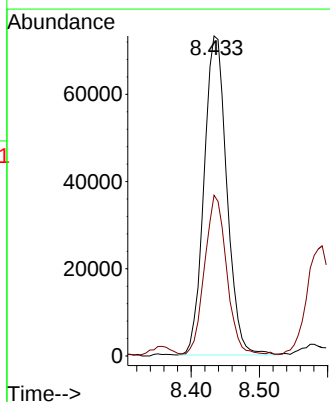
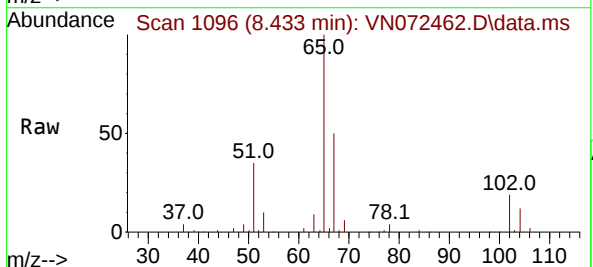
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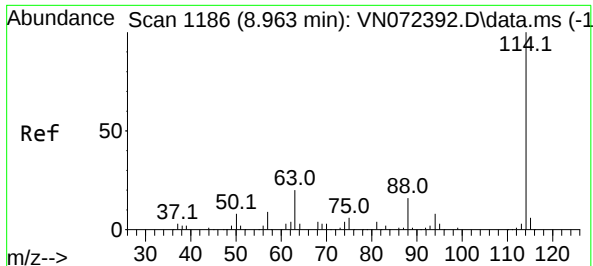
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#33
1,2-Dichloroethane-d4
Concen: 51.433 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

Tgt Ion: 65 Resp: 170375
Ion Ratio Lower Upper
65 100
67 47.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072462.D

Acq: 12 May 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

DUP051022

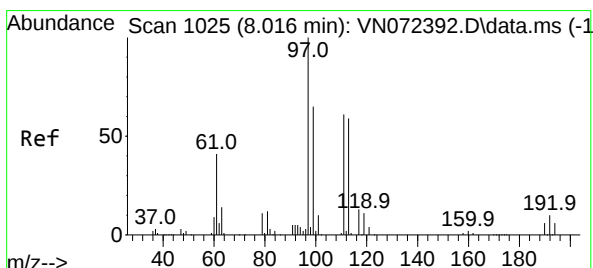
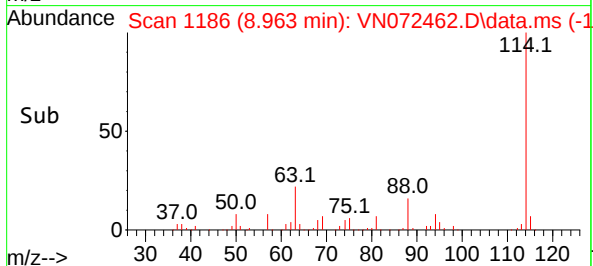
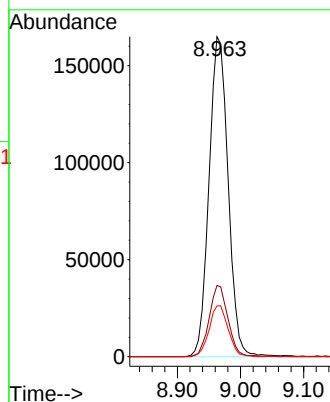
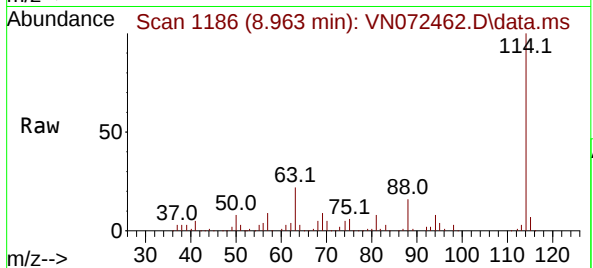
Tgt Ion:114 Resp: 346638
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 40.0
 88 15.9 0.0 32.6

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#35

Dibromofluoromethane

Concen: 51.160 ug/l

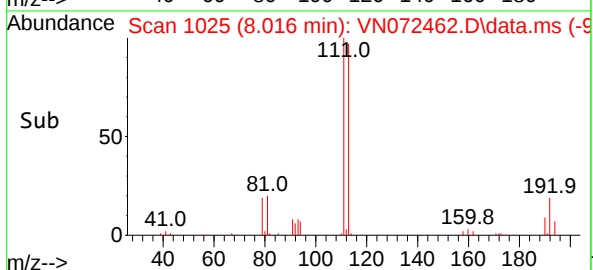
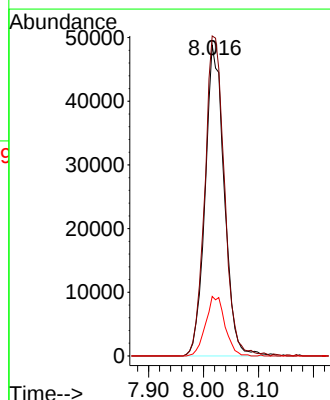
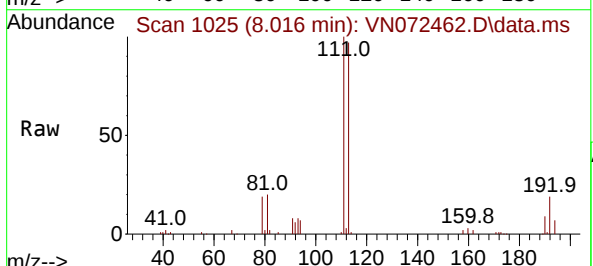
RT: 8.016 min Scan# 1025

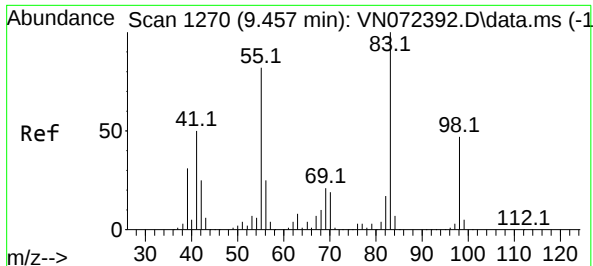
Delta R.T. -0.000 min

Lab File: VN072462.D

Acq: 12 May 2022 18:57

Tgt Ion:113 Resp: 117984
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.4 122.0
 192 19.4 17.0 25.6





#39

Methylcyclohexane

Concen: 59.911 ug/l

RT: 9.457 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VN072462.D

Acq: 12 May 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

DUP051022

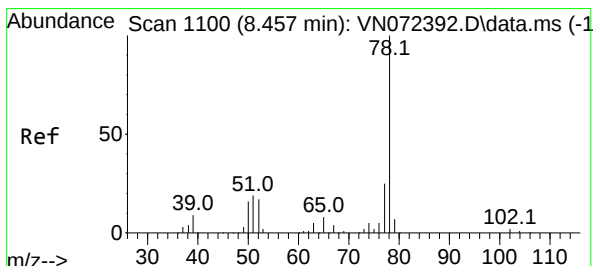
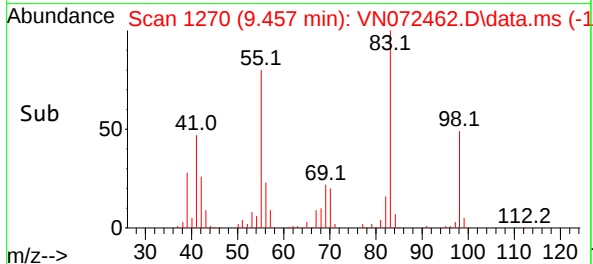
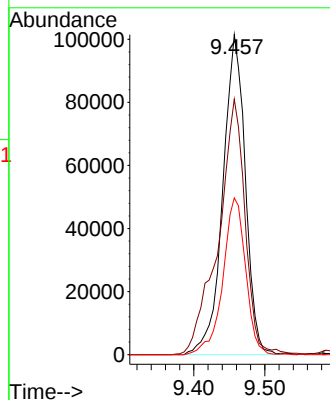
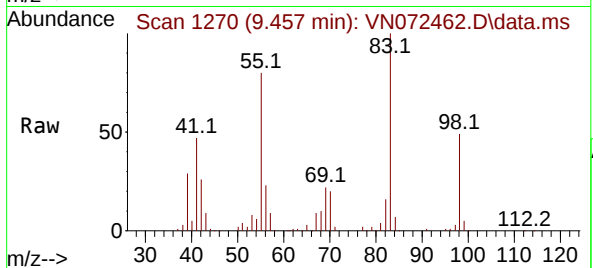
Tgt Ion: 83 Resp: 223020
 Ion Ratio Lower Upper
 83 100
 55 79.5 57.8 86.8
 98 49.0 39.4 59.2

Manual Integrations

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Reviewed By :John Carlone 05/13/2022

Supervised By :Mahesh Dadoda 05/13/2022



#40

Benzene

Concen: 2.487 ug/l

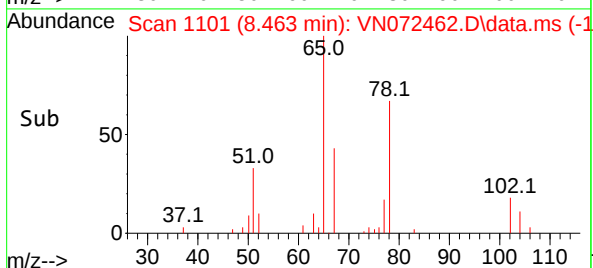
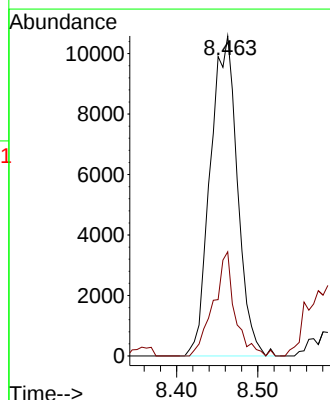
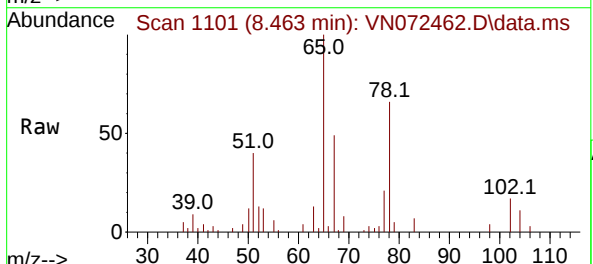
RT: 8.463 min Scan# 1101

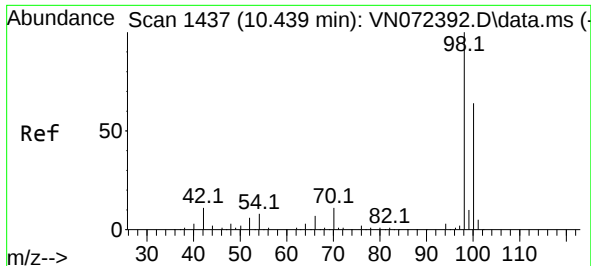
Delta R.T. 0.006 min

Lab File: VN072462.D

Acq: 12 May 2022 18:57

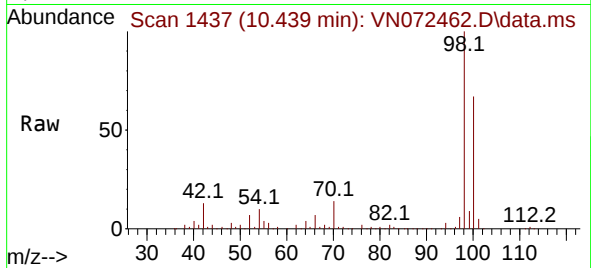
Tgt Ion: 78 Resp: 24611
 Ion Ratio Lower Upper
 78 100
 77 32.6 19.4 29.0#





#50
Toluene-d8
Concen: 50.531 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

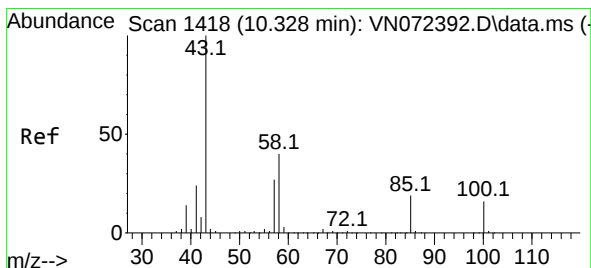
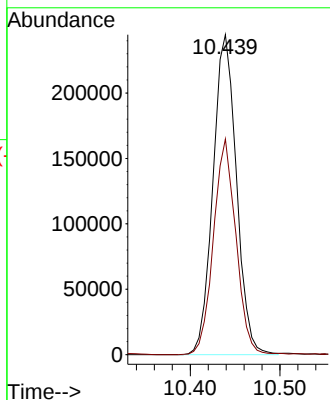
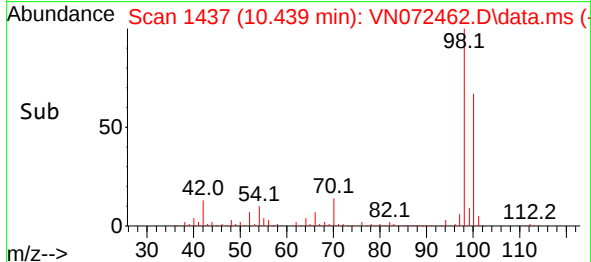
Instrument :
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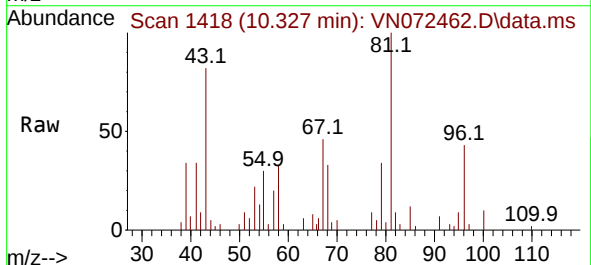
Tgt Ion: 98 Resp: 443820
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

Manual Integrations
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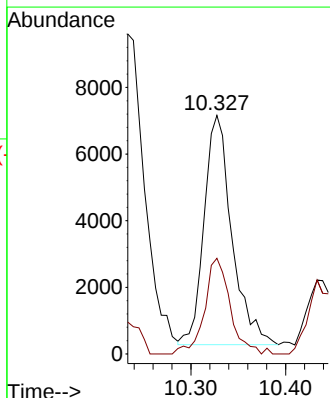
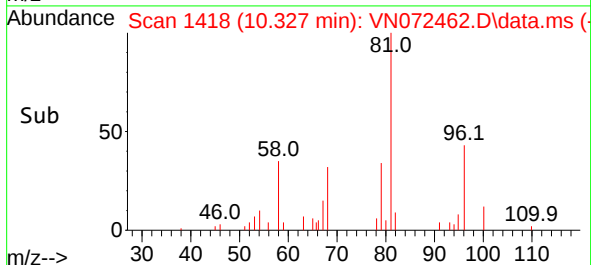
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

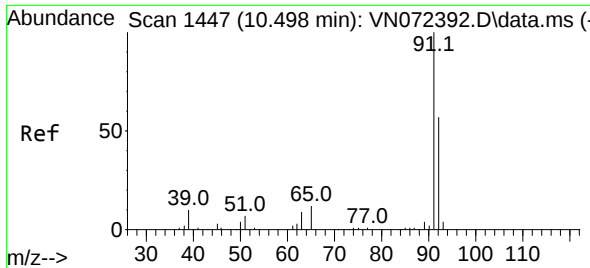


#51
4-Methyl-2-Pentanone
Concen: 3.695 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57



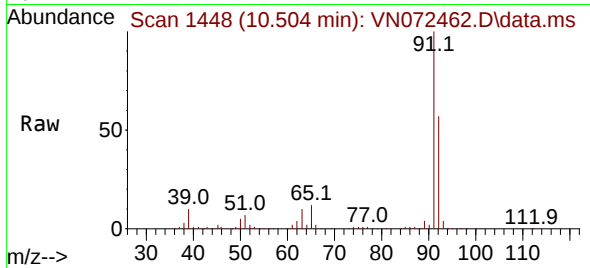
Tgt Ion: 43 Resp: 14004
Ion Ratio Lower Upper
43 100
58 38.5 34.1 51.1





#52
Toluene
Concen: 86.400 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

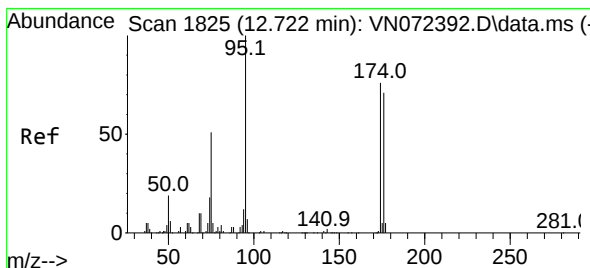
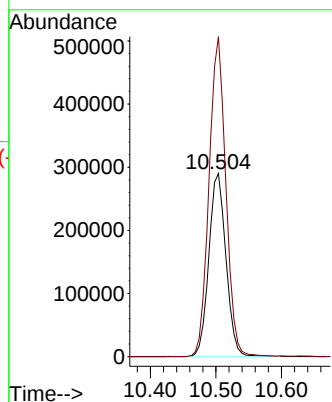
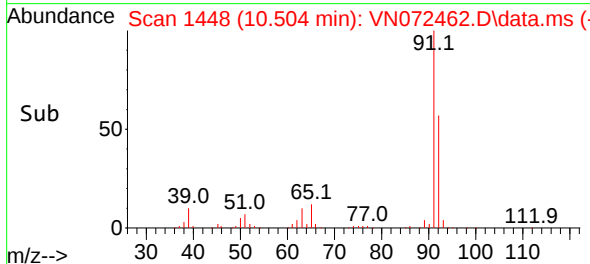
Instrument :
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Tgt Ion: 92 Resp: 527162
Ion Ratio Lower Upper
92 100
91 171.1 138.6 207.8

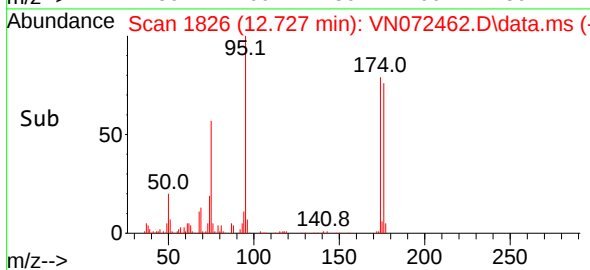
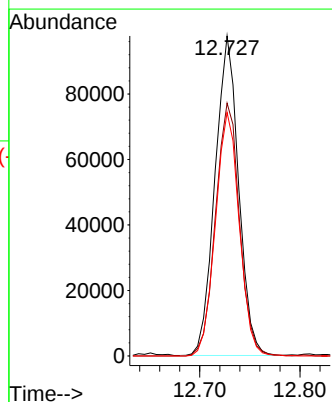
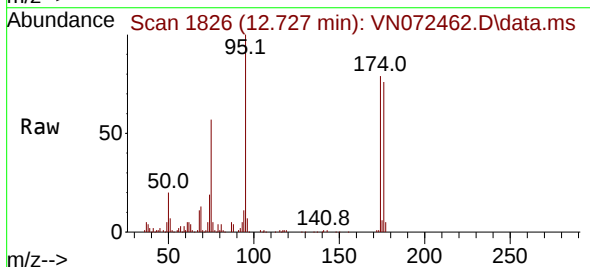
Manual Integrations
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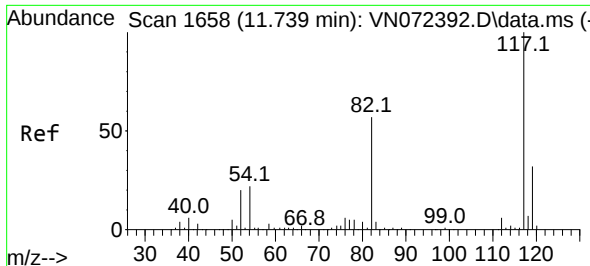
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#62
4-Bromofluorobenzene
Concen: 54.686 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

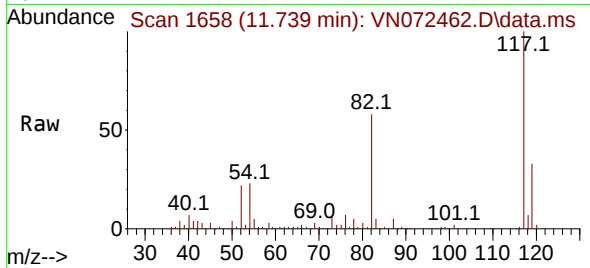
Tgt Ion: 95 Resp: 159513
Ion Ratio Lower Upper
95 100
174 80.3 0.0 167.6
176 76.8 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

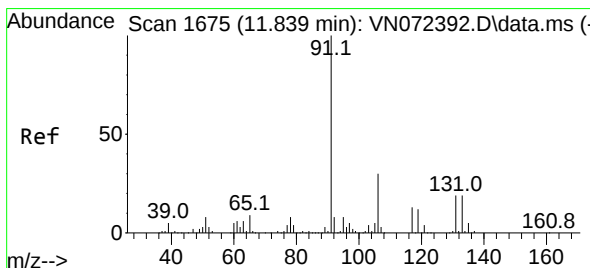
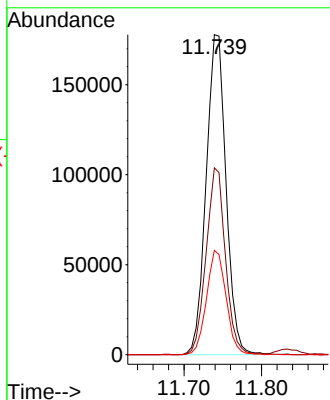
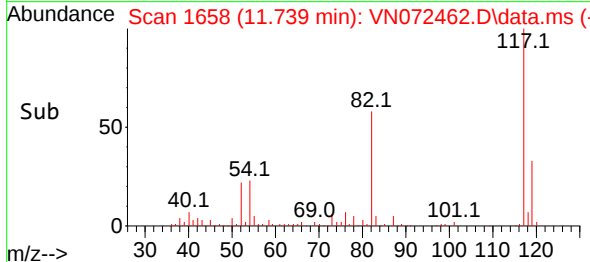
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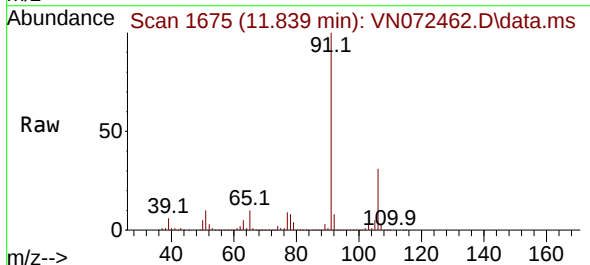
Tgt Ion: 117 Resp: 31732
Ion Ratio Lower Upper
117 100
82 58.4 44.2 66.2
119 32.6 25.4 38.0

Manual Integrations
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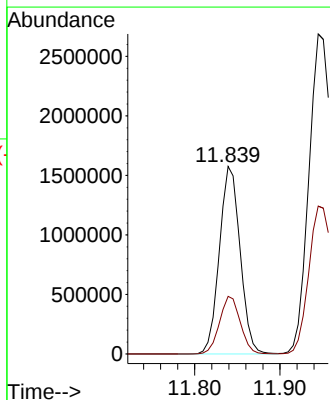
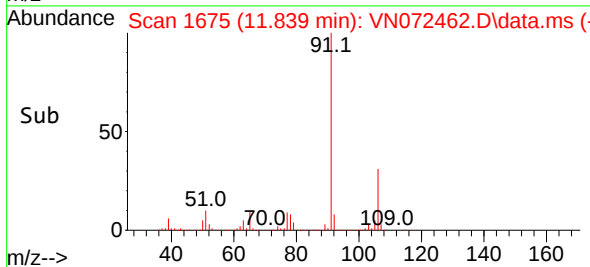
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

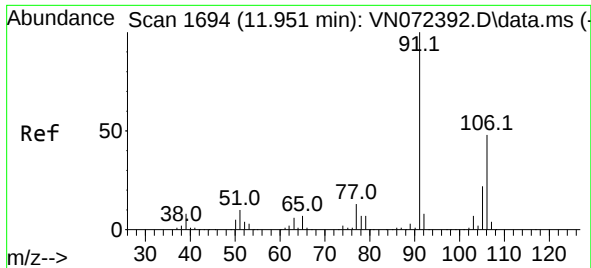


#67
Ethyl Benzene
Concen: 238.203 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57



Tgt Ion: 91 Resp: 2664498
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3





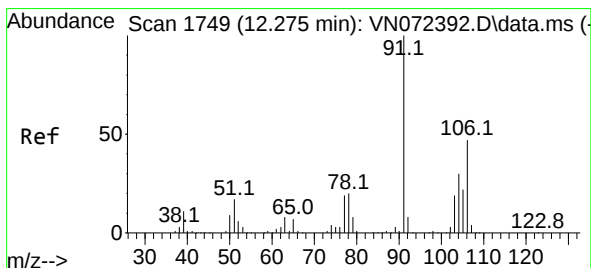
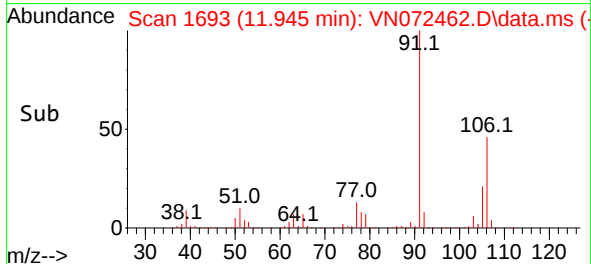
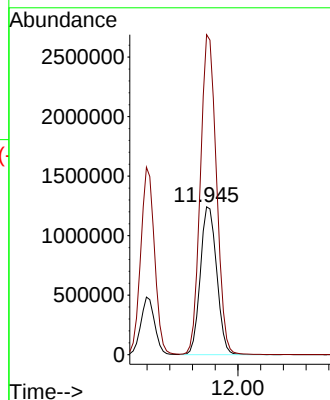
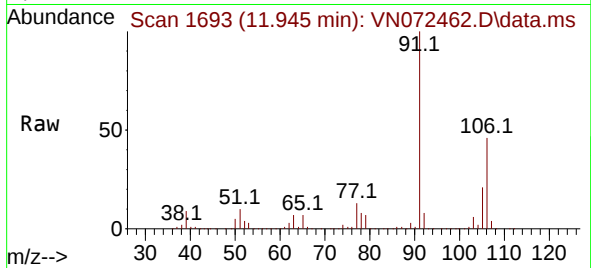
#68
m/p-Xylenes
Concen: 585.428 ug/l
RT: 11.945 min Scan# 1694
Delta R.T. -0.006 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :
DUP051022

Tgt Ion:106 Resp: 248365
Ion Ratio Lower Upper
106 100
91 212.7 158.9 238.3

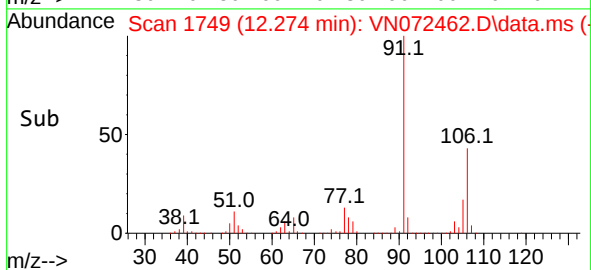
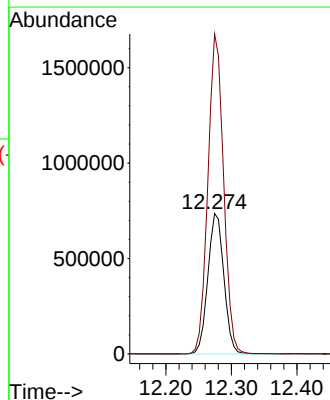
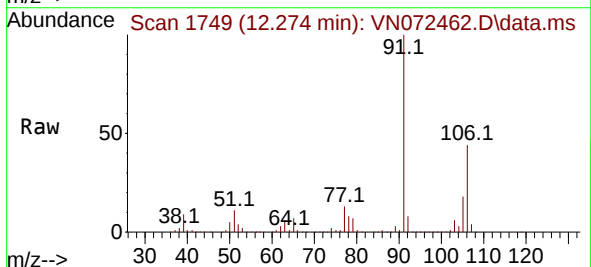
Manual Integrations
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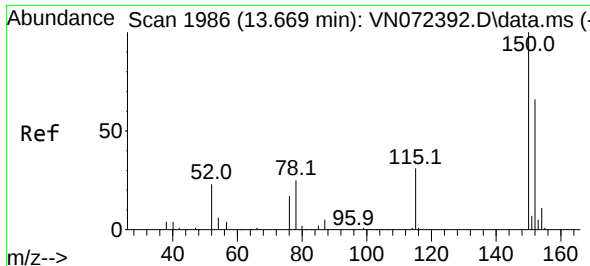
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#69
o-Xylene
Concen: 299.907 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

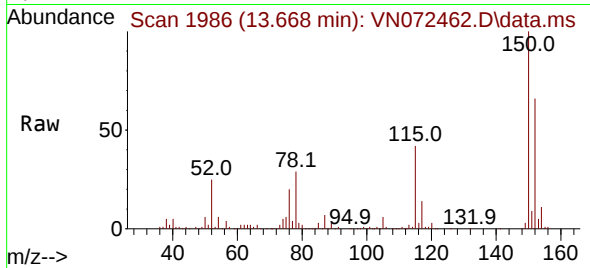
Tgt Ion:106 Resp: 1250117
Ion Ratio Lower Upper
106 100
91 223.1 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

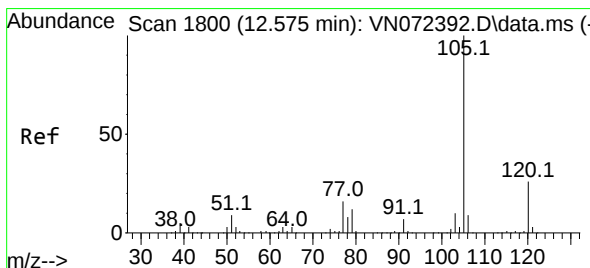
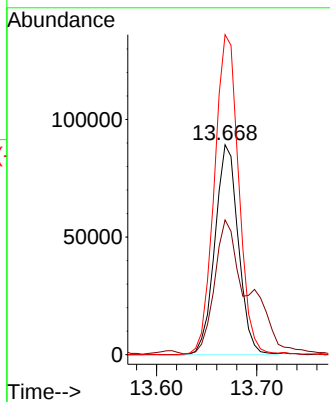
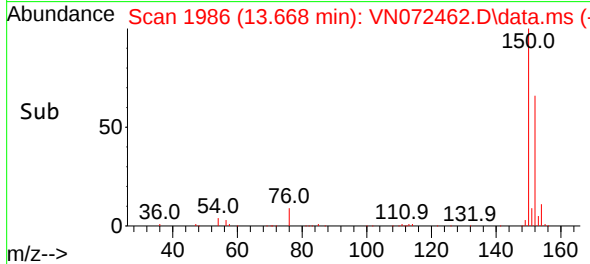
Instrument :
MSVOA_N
ClientSampleId :
DUP051022



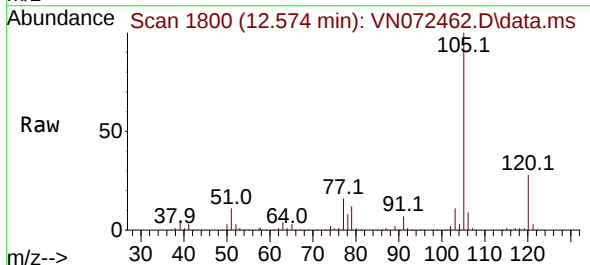
Tgt Ion:152 Resp: 144725
Ion Ratio Lower Upper
152 100
115 93.5 28.9 86.7
150 159.0 0.0 356.2

Manual Integrations
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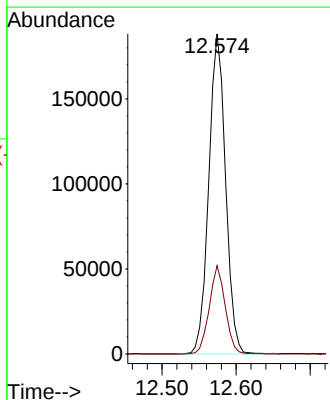
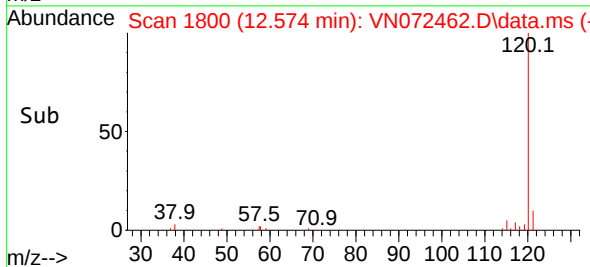
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

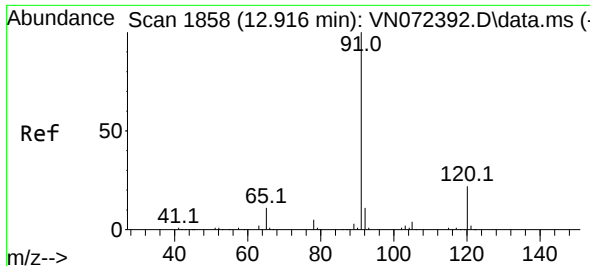


#73
Isopropylbenzene
Concen: 24.726 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57



Tgt Ion:105 Resp: 296453
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.4





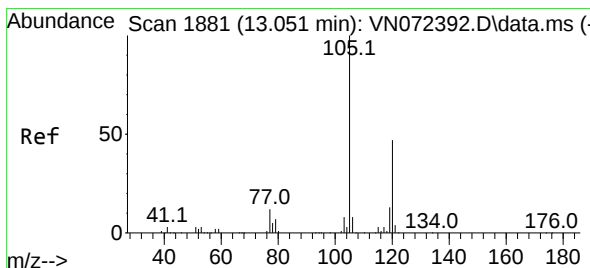
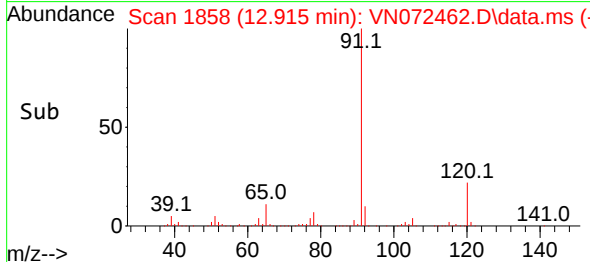
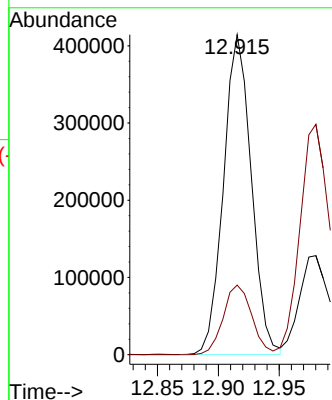
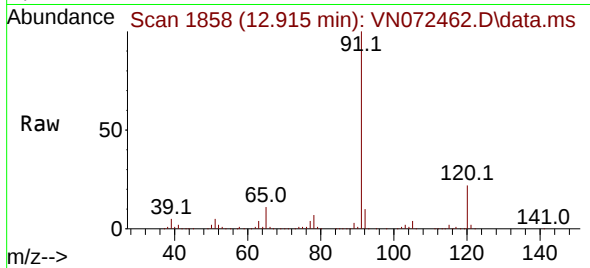
#78
n-propylbenzene
Concen: 51.205 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :
DUP051022

Tgt Ion: 91 Resp: 65693
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.5

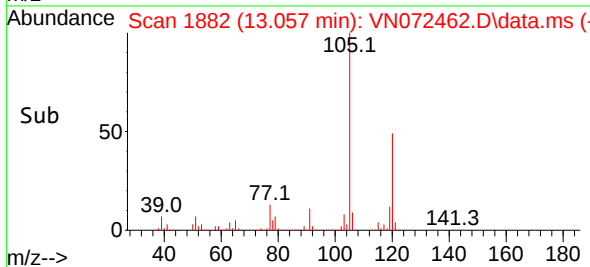
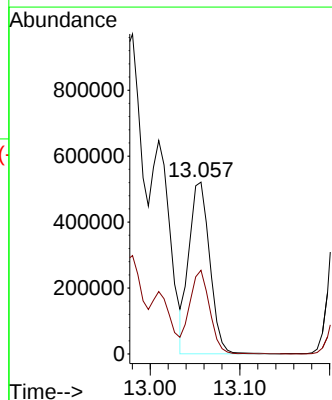
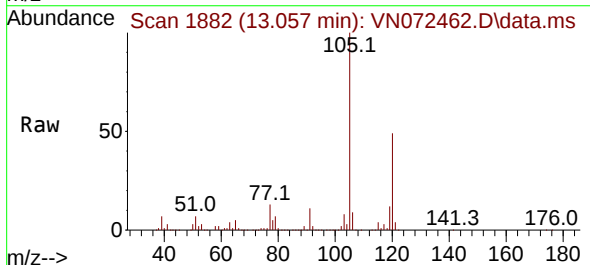
Manual Integrations
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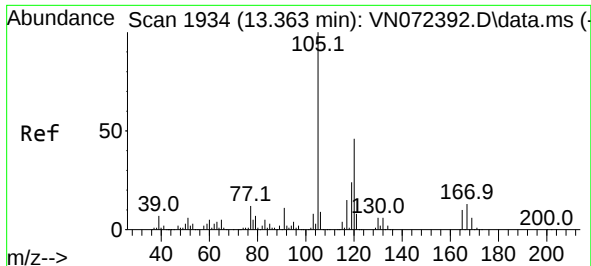
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#80
1,3,5-Trimethylbenzene
Concen: 85.359 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

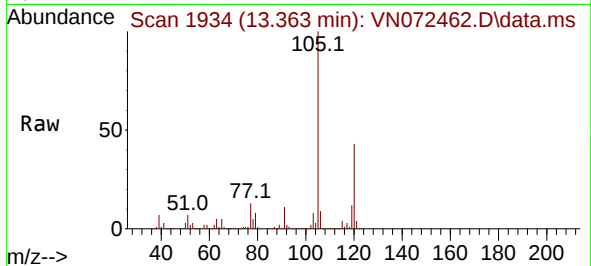
Tgt Ion:105 Resp: 838168
Ion Ratio Lower Upper
105 100
120 46.8 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 301.713 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

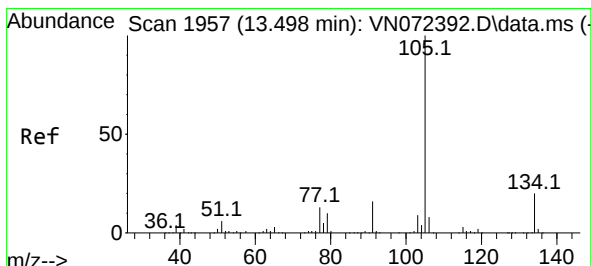
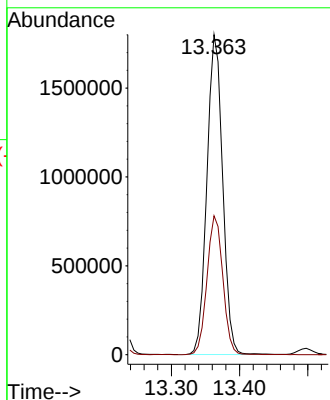
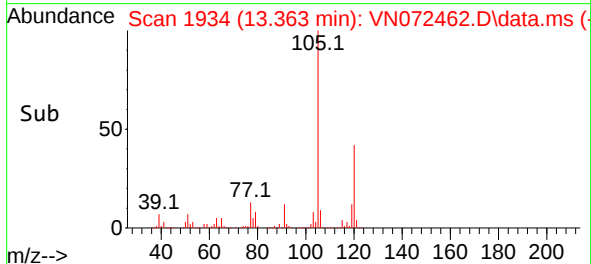
Instrument :
MSVOA_N
ClientSampleId :
DUP051022



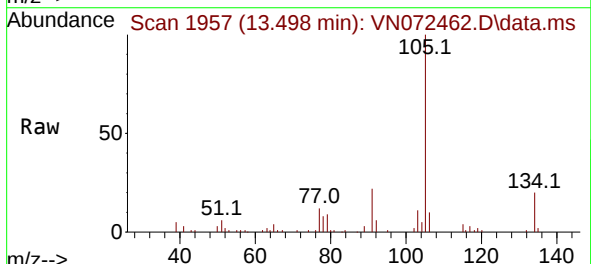
Tgt Ion:105 Resp: 288196
Ion Ratio Lower Upper
105 100
120 43.9 23.3 69.8

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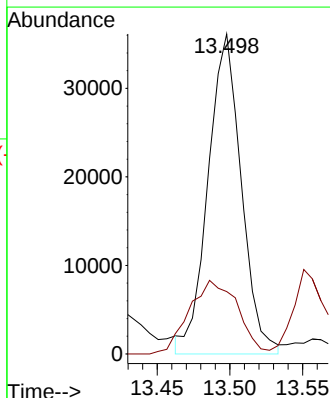
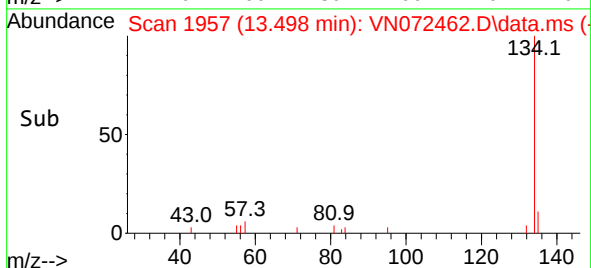
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

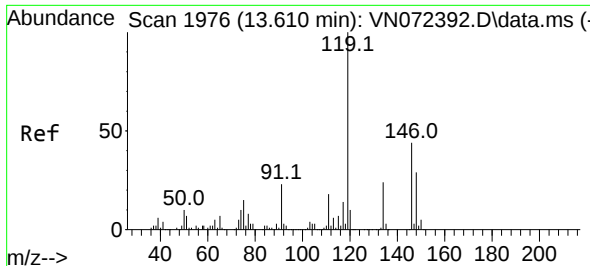


#85
sec-Butylbenzene
Concen: 4.996 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57



Tgt Ion:105 Resp: 57273
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





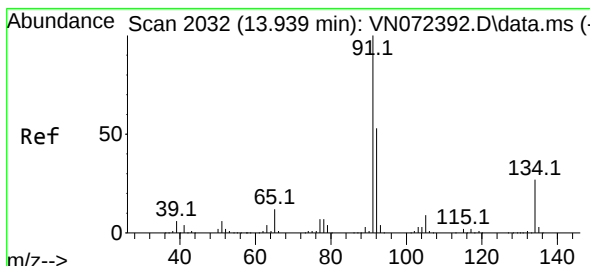
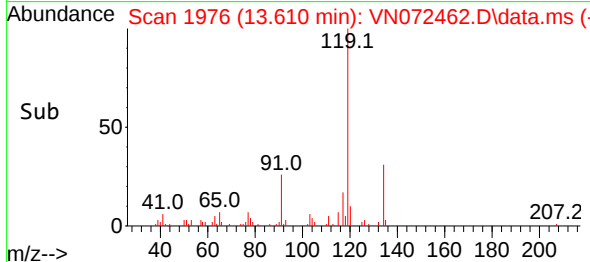
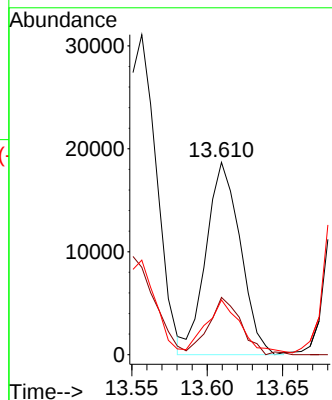
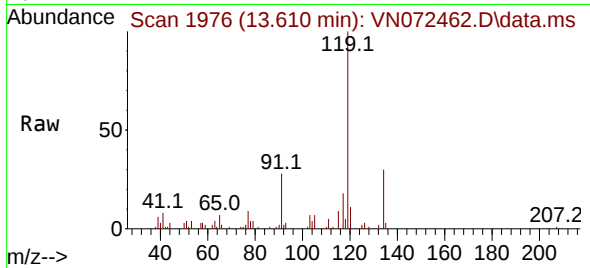
#86
p-Isopropyltoluene
Concen: 3.317 ug/l m
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :
DUP051022

Tgt Ion:119 Resp: 2962
Ion Ratio Lower Upper
119 100
134 49.0 13.3 39.8
91 42.7 11.3 33.9

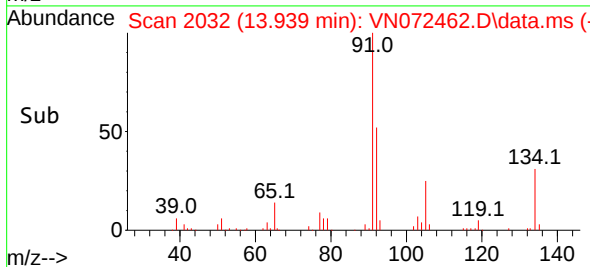
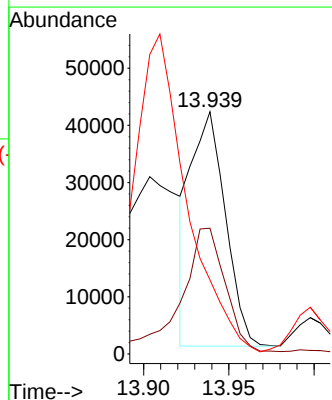
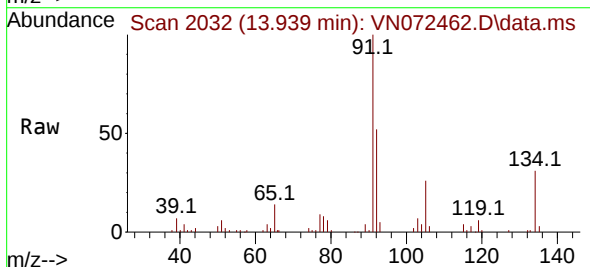
Manual Integrations
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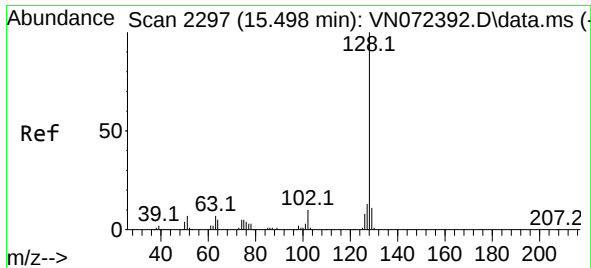
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#89
n-Butylbenzene
Concen: 8.494 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

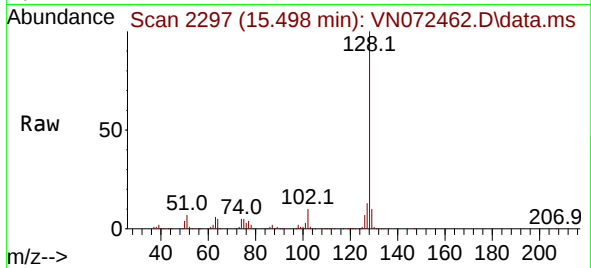
Tgt Ion: 91 Resp: 57983
Ion Ratio Lower Upper
91 100
92 65.1 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 95.503 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072462.D
Acq: 12 May 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :
DUP051022



Tgt Ion:128 Resp: 68195
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

