

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072761.D
 Acq On : 10 Jun 2022 13:44
 Operator : JC\MD
 Sample : N3280-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 21ST-CASING-4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 11 01:53:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	158832	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	318298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	283388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	111486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	259293	60.825	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 121.640%			
35) Dibromofluoromethane	8.016	113	185193	58.801	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 117.600%			
50) Toluene-d8	10.439	98	617753	49.161	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.727	95	231267	53.634	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.375	59	872	0.857	ug/l	# 72
13) Acrolein	4.046	56	171	0.407	ug/l	# 54
15) Acrylonitrile	5.569	53	834	0.387	ug/l	# 25
16) Acetone	4.287	43	56459	27.640	ug/l	94
17) Carbon Disulfide	4.534	76	3464	0.934	ug/l	# 75
18) Methyl Acetate	4.851	43	1688	0.318	ug/l	# 48
25) 2-Butanone	7.339	43	61308	18.658	ug/l	95
31) Cyclohexane	8.081	56	5540	0.524	ug/l	# 57
52) Toluene	10.504	92	22181	2.678	ug/l	96
59) 2-Hexanone	11.080	43	7181	1.418	ug/l	82
67) Ethyl Benzene	11.845	91	52207	3.677	ug/l	91
68) m/p-Xylenes	11.951	106	103264	20.465	ug/l	82
69) o-Xylene	12.274	106	90469	17.836	ug/l	91
73) Isopropylbenzene	12.574	105	14976	1.252	ug/l	98
78) n-propylbenzene	12.916	91	47228	3.617	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	155307	16.391	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	672064	74.128	ug/l	96
85) sec-Butylbenzene	13.498	105	14365m	1.279	ug/l	
86) p-Isopropyltoluene	13.610	119	12871	1.457	ug/l	92
89) n-Butylbenzene	13.939	91	14693m	1.974	ug/l	
95) Naphthalene	15.498	128	763980	104.296	ug/l	99

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

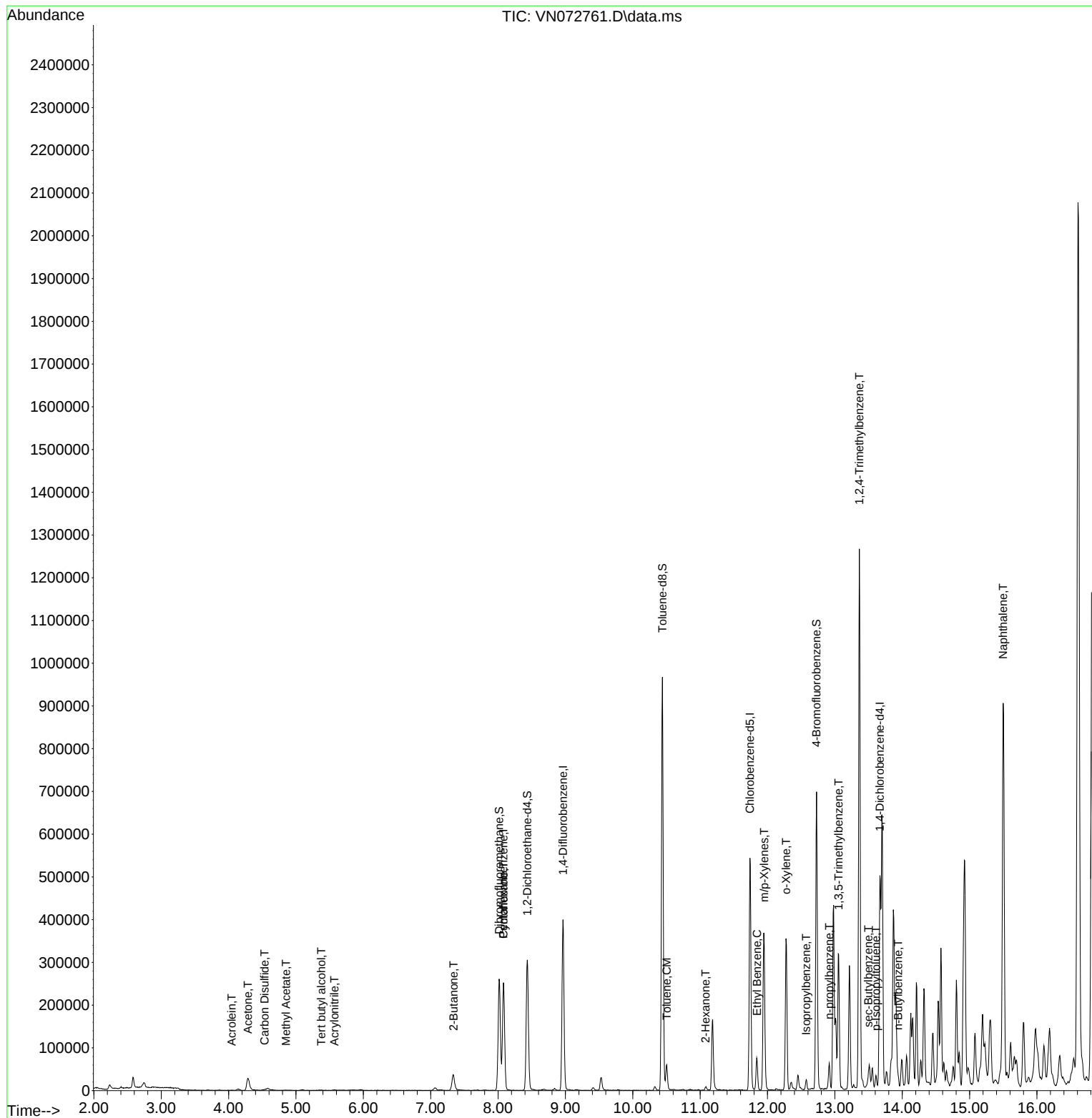
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072761.D
Acq On : 10 Jun 2022 13:44
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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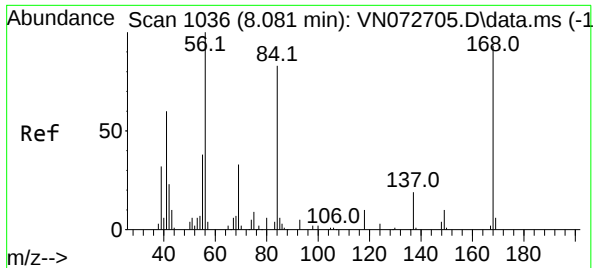
Instrument :
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21ST-CASING-4

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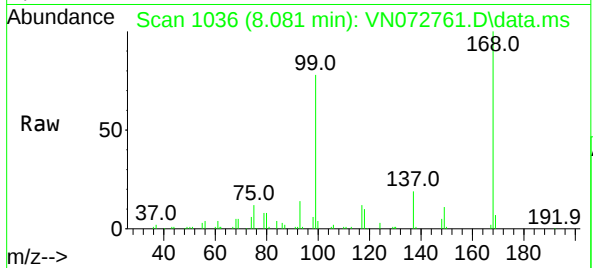
Quant Time: Jun 11 01:53:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

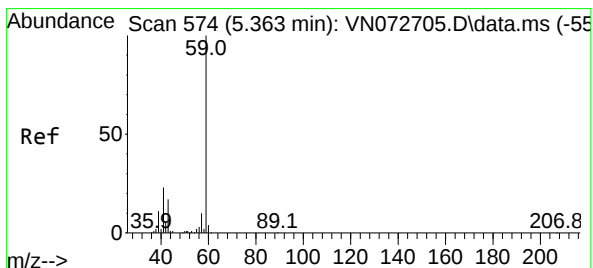
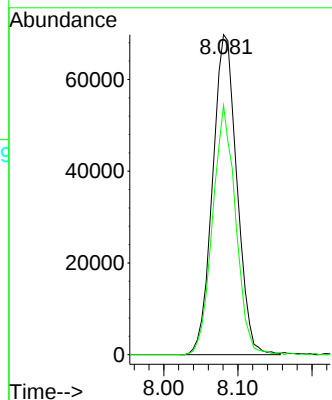
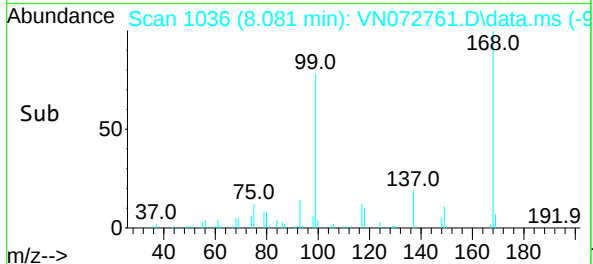
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



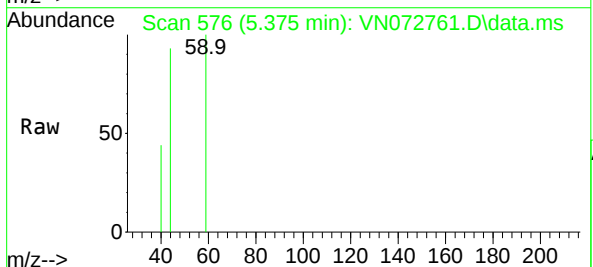
Tgt Ion:168 Resp: 158832
Ion Ratio Lower Upper
168 100
99 77.9 42.3 63.5

Manual Integrations
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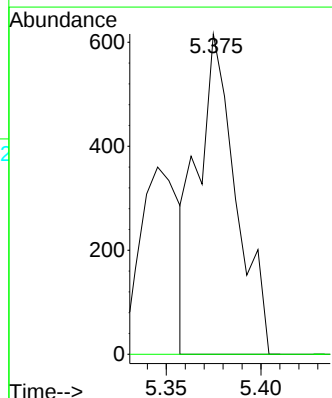
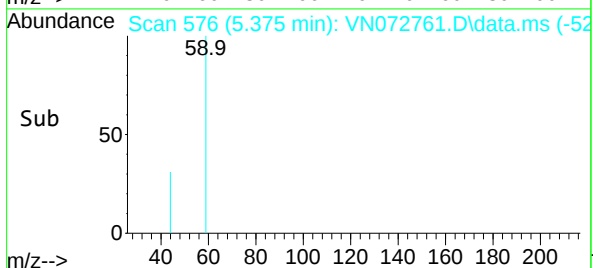
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

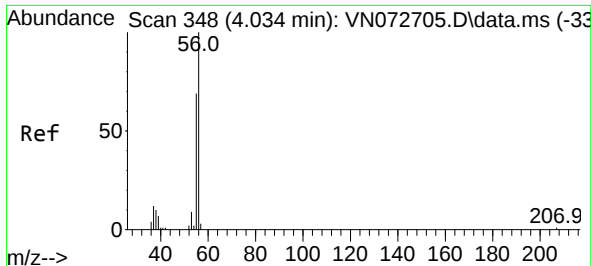


#11
Tert butyl alcohol
Concen: 0.857 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.012 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



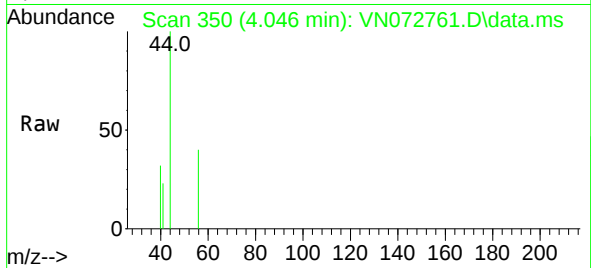
Tgt Ion: 59 Resp: 872
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5





#13
Acrolein
Concen: 0.407 ug/l
RT: 4.046 min Scan# 311
Delta R.T. 0.012 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

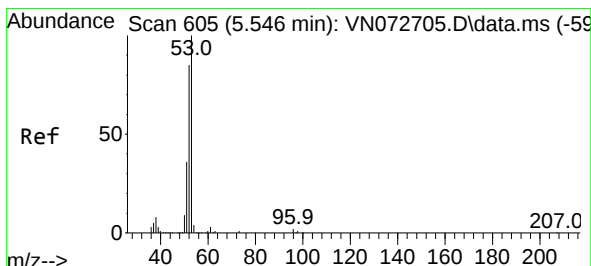
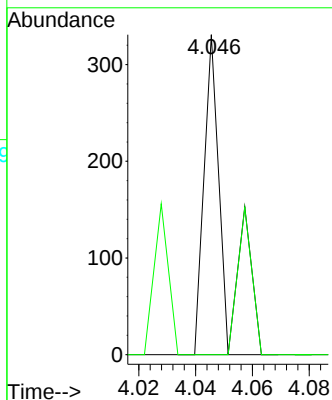
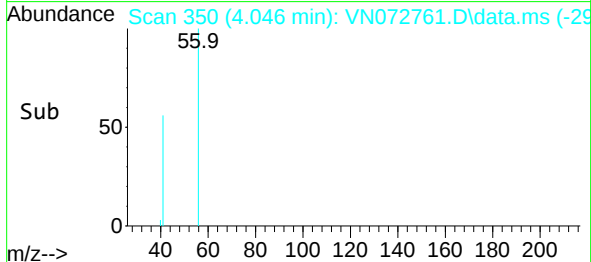
Instrument :
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ClientSampleId :
21ST-CASING-4



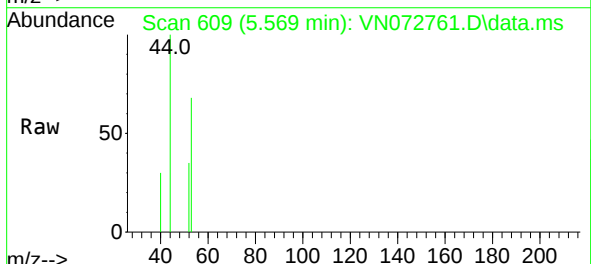
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 31.6 54.8 82.2

Manual Integrations
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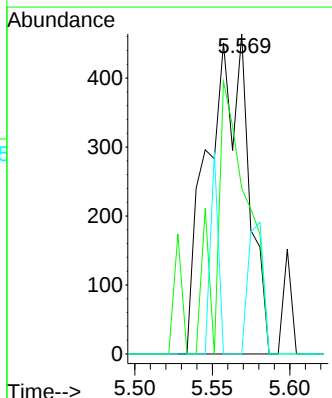
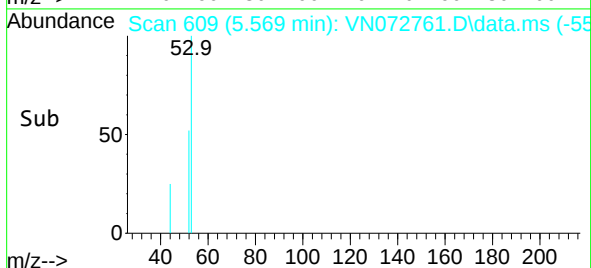
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

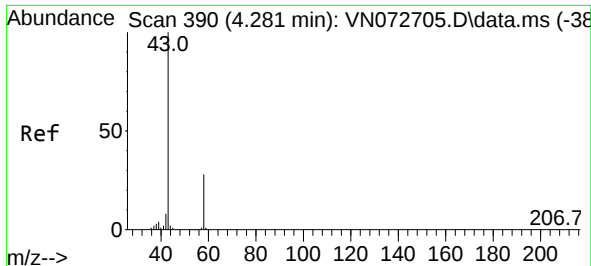


#15
Acrylonitrile
Concen: 0.387 ug/l
RT: 5.569 min Scan# 609
Delta R.T. 0.023 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



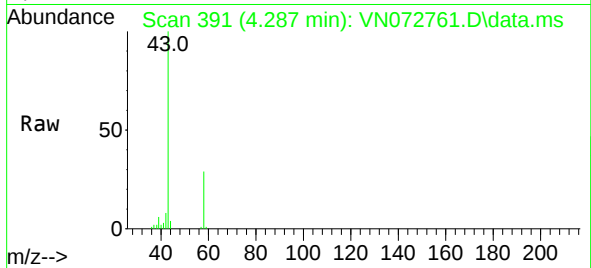
Tgt Ion: 53 Resp: 834
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 15.6 28.5 42.7#





#16
Acetone
Concen: 27.640 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

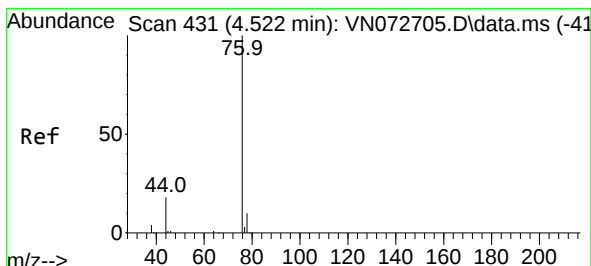
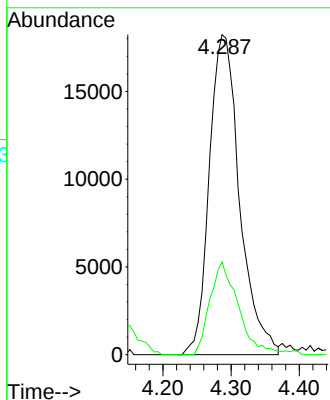
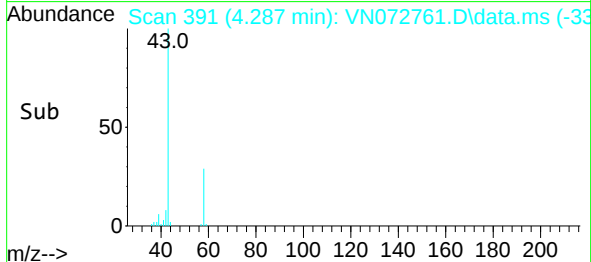
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



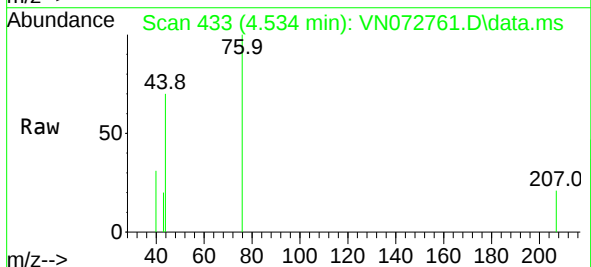
Tgt Ion: 43 Resp: 5645
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0

Manual Integrations
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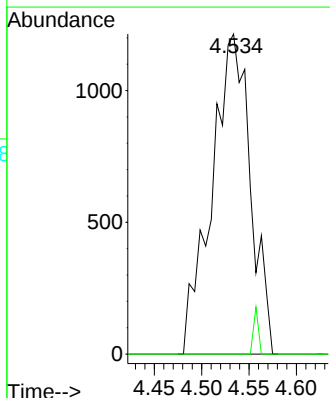
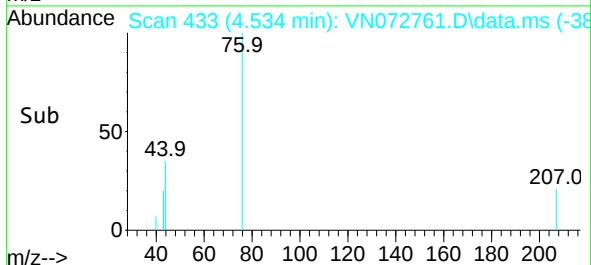
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

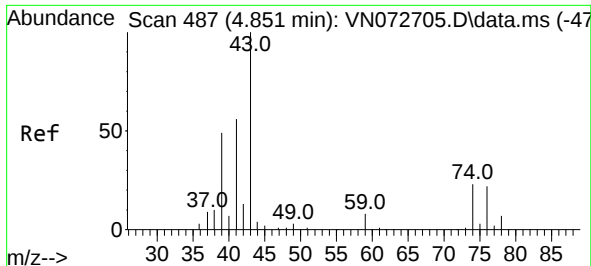


#17
Carbon Disulfide
Concen: 0.934 ug/l
RT: 4.534 min Scan# 433
Delta R.T. 0.012 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



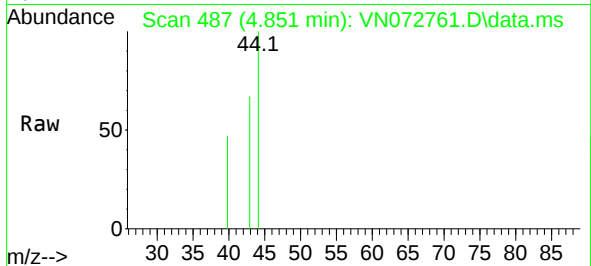
Tgt Ion: 76 Resp: 3464
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18
Methyl Acetate
Concen: 0.318 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

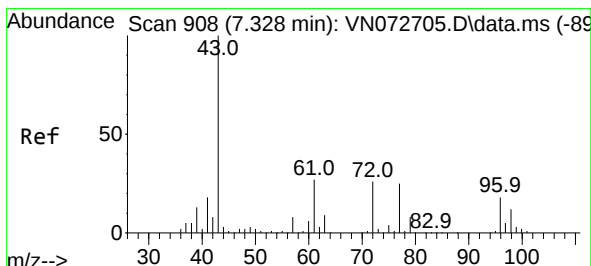
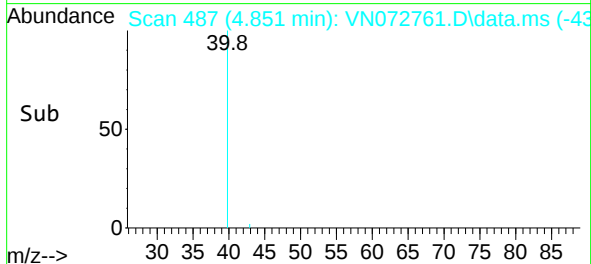
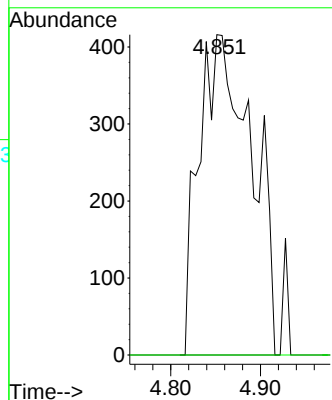
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4

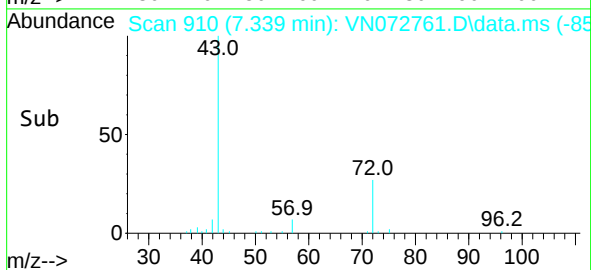
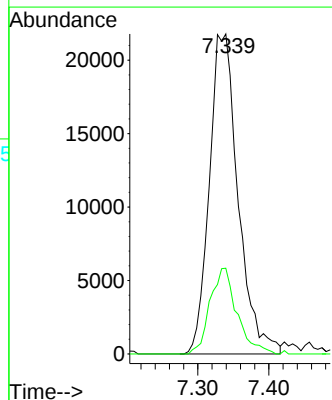
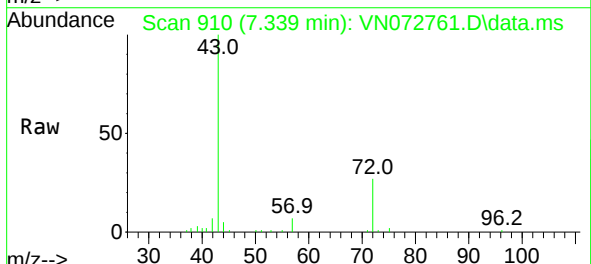
Manual Integrations
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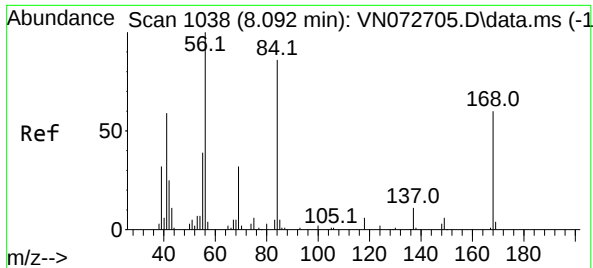
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#25
2-Butanone
Concen: 18.658 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

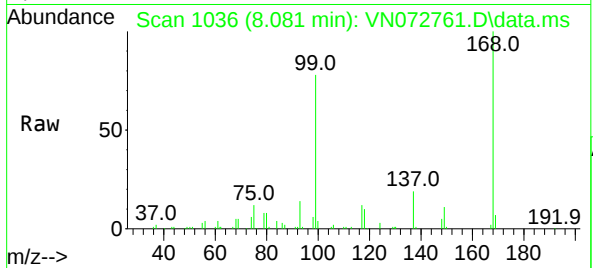
Tgt Ion: 43 Resp: 61308
Ion Ratio Lower Upper
43 100
72 26.8 23.7 35.5





#31
Cyclohexane
Concen: 0.524 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

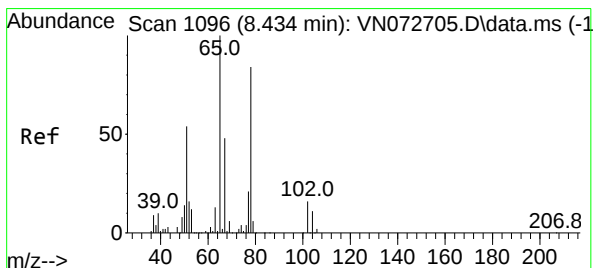
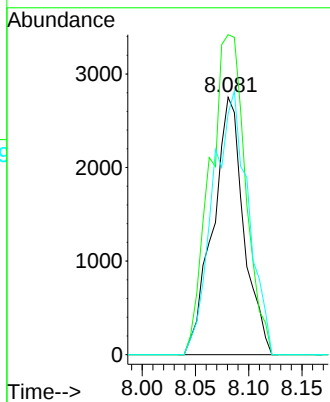
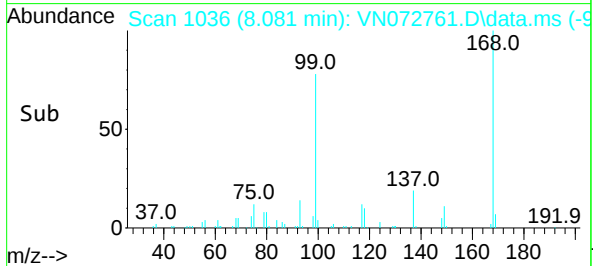
Instrument :
MSVOA_N
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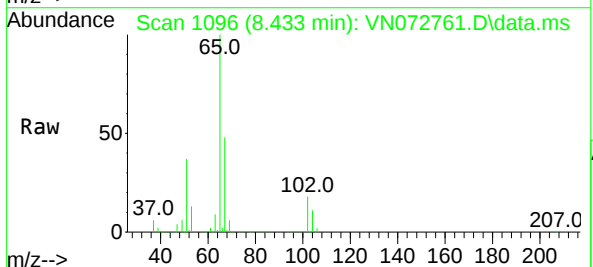
Tgt Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 124.3 27.8 41.8
84 93.6 76.9 115.3

Manual Integrations
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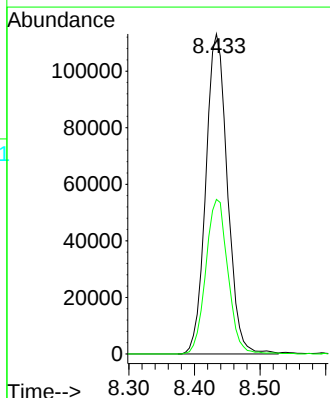
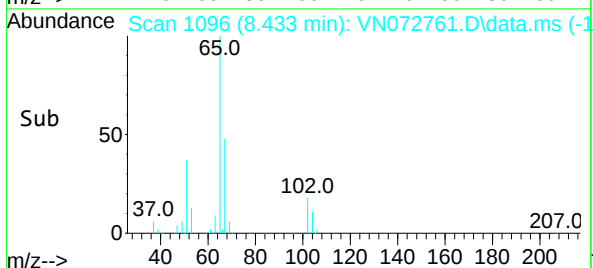
Reviewed By :John Carlone 06/11/2022
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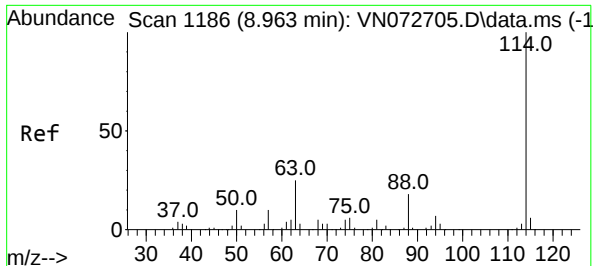


#33
1,2-Dichloroethane-d4
Concen: 60.825 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



Tgt Ion: 65 Resp: 259293
Ion Ratio Lower Upper
65 100
67 49.3 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: VN072761.D

Acq: 10 Jun 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-4

Tgt Ion:114 Resp: 318298

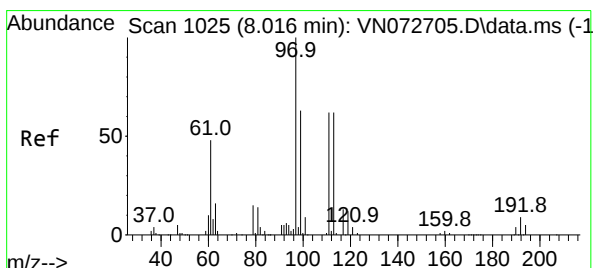
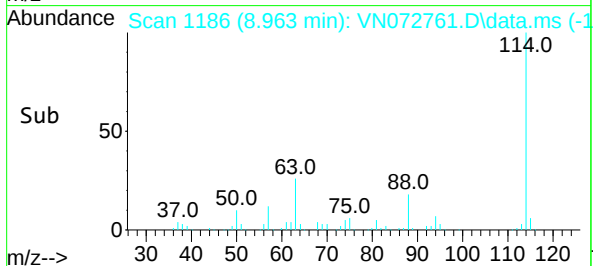
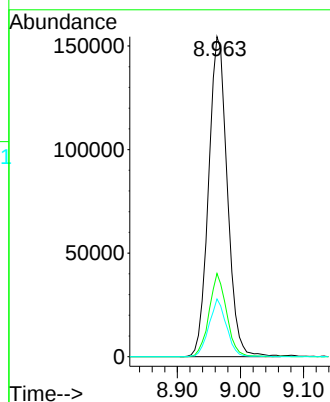
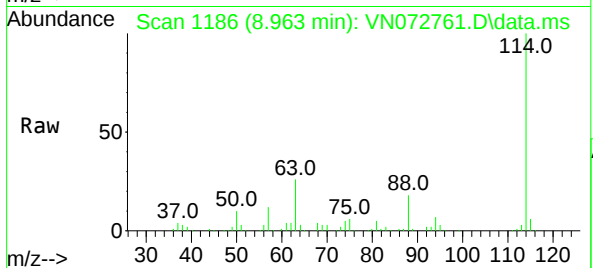
Ion	Ratio	Lower	Upper
114	100		
63	26.0	0.0	40.0
88	18.1	0.0	32.6

Manual Integrations

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Reviewed By :John Carlone 06/11/2022

Supervised By :Mahesh Dadoda 06/13/2022



#35

Dibromofluoromethane

Concen: 58.801 ug/l

RT: 8.016 min Scan# 1025

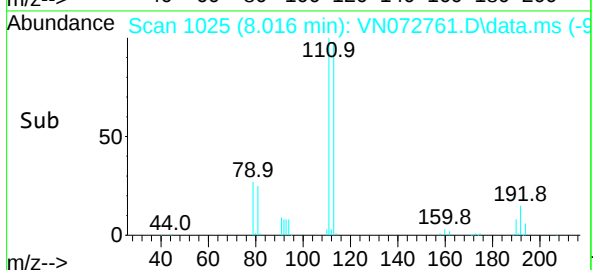
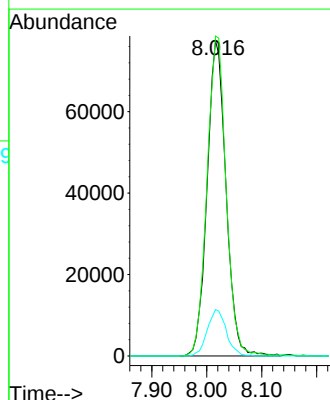
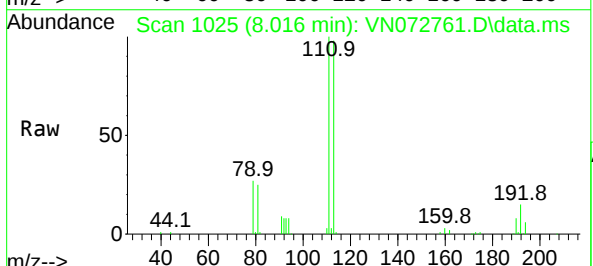
Delta R.T. -0.000 min

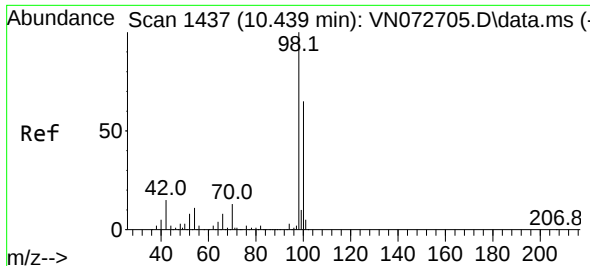
Lab File: VN072761.D

Acq: 10 Jun 2022 13:44

Tgt Ion:113 Resp: 185193

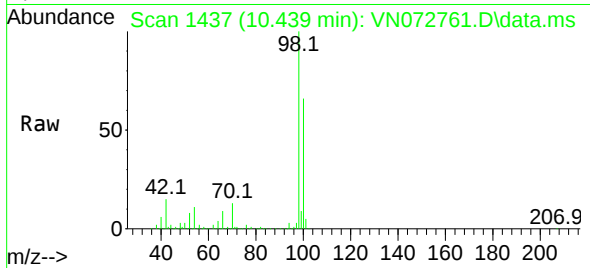
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	14.8	17.0	25.6





#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

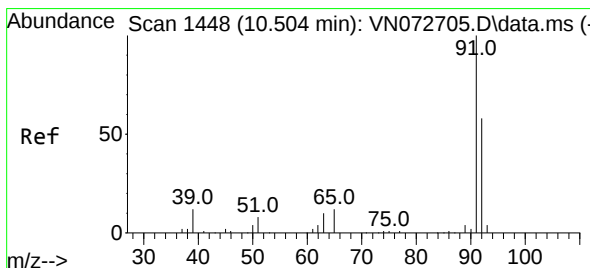
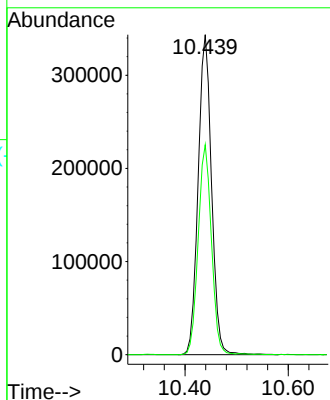
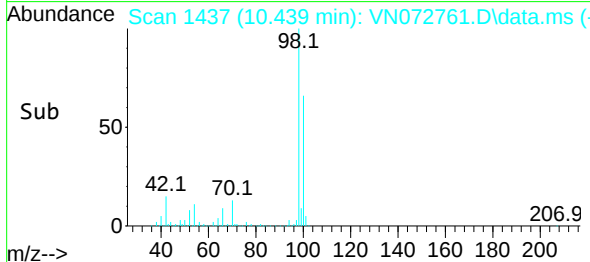
Instrument :
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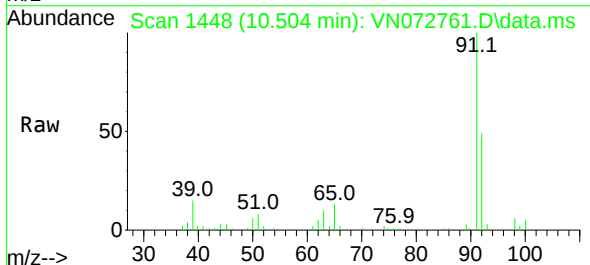
Tgt Ion: 98 Resp: 61775
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

Manual Integrations
APPROVED

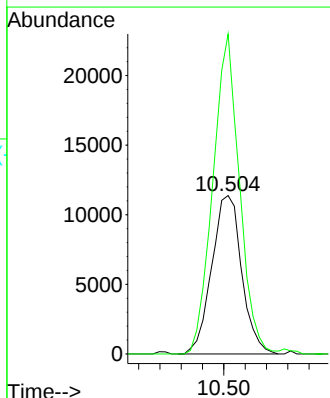
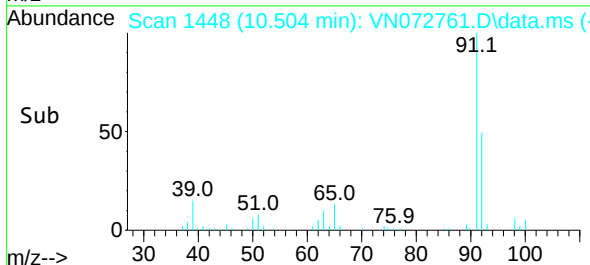
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

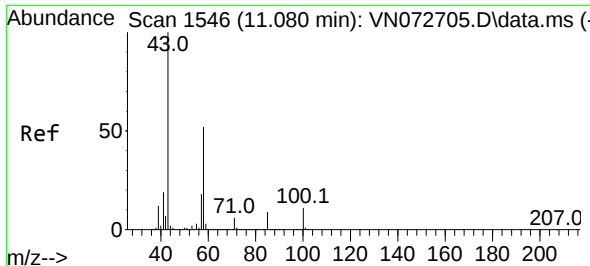


#52
Toluene
Concen: 2.678 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



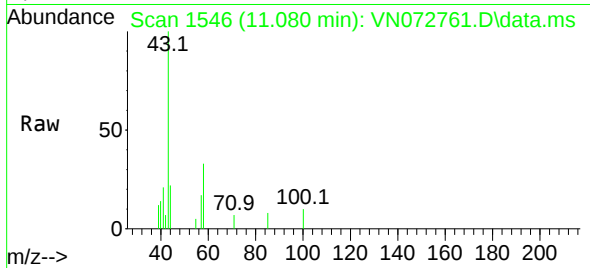
Tgt Ion: 92 Resp: 22181
Ion Ratio Lower Upper
92 100
91 179.3 138.6 207.8





#59
2-Hexanone
Concen: 1.418 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

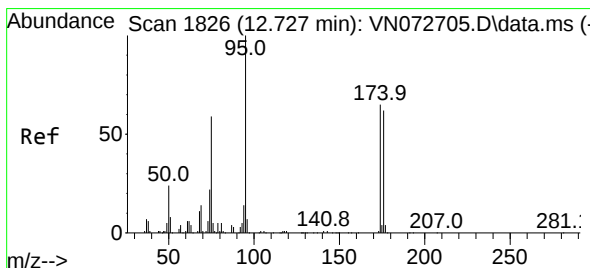
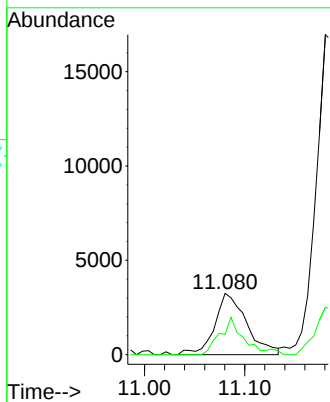
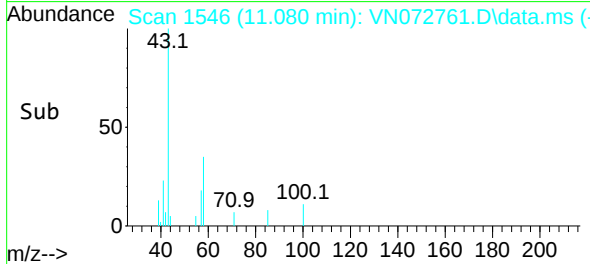
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



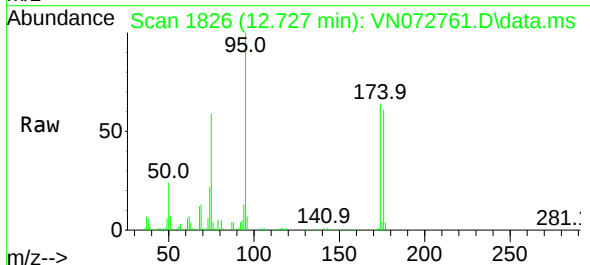
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 45.5 29.7 89.1

Manual Integrations
APPROVED

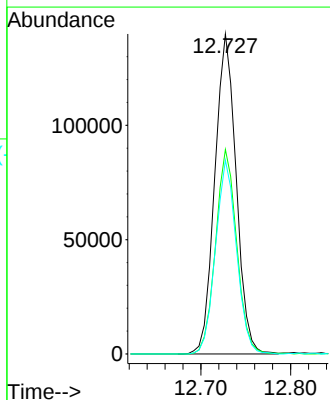
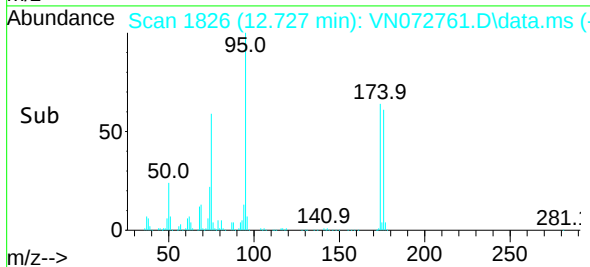
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

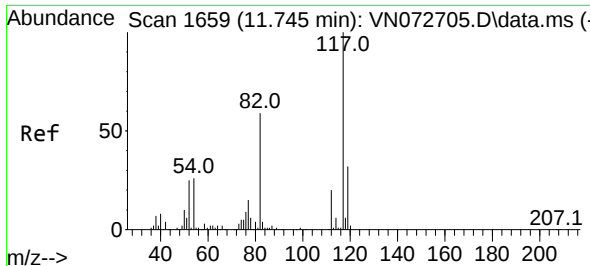


#62
4-Bromofluorobenzene
Concen: 53.634 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



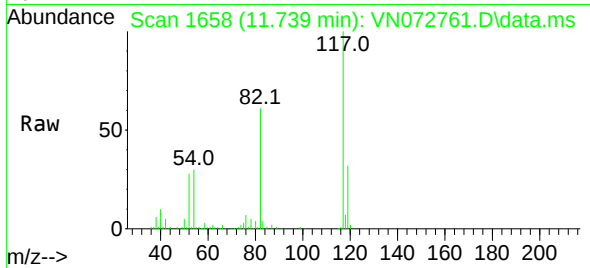
Tgt Ion: 95 Resp: 231267
Ion Ratio Lower Upper
95 100
174 63.3 0.0 167.6
176 59.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

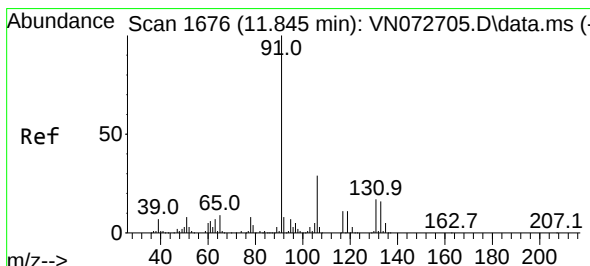
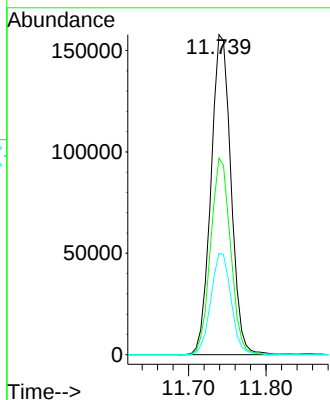
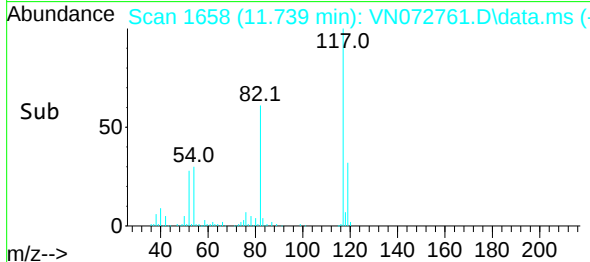
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



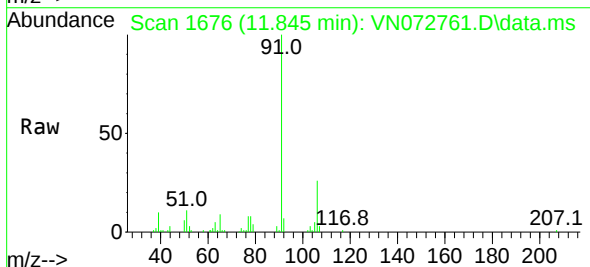
Tgt Ion:117 Resp: 28338
Ion Ratio Lower Upper
117 100
82 61.5 44.2 66.2
119 31.7 25.4 38.0

Manual Integrations
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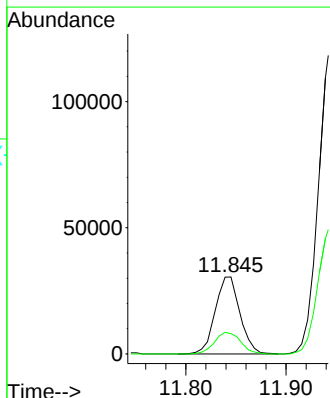
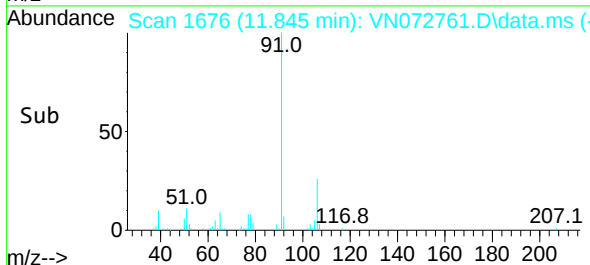
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

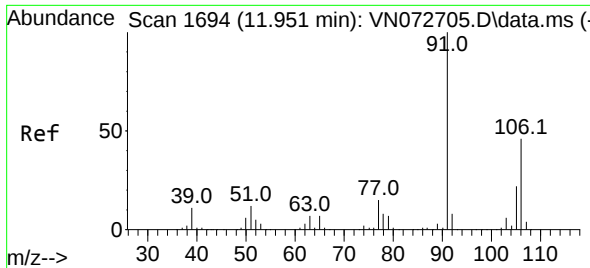


#67
Ethyl Benzene
Concen: 3.677 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



Tgt Ion: 91 Resp: 52207
Ion Ratio Lower Upper
91 100
106 26.4 24.9 37.3





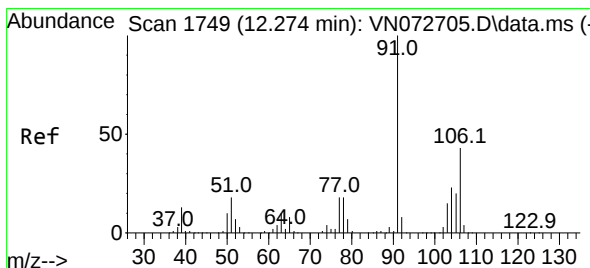
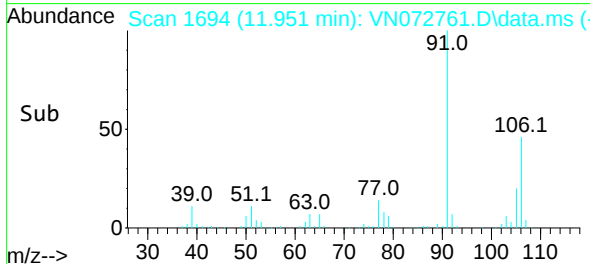
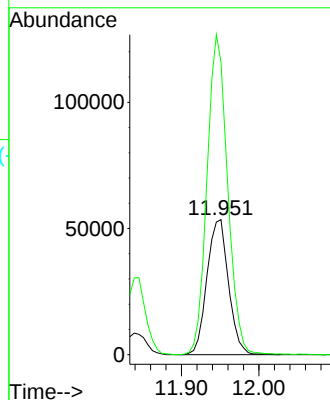
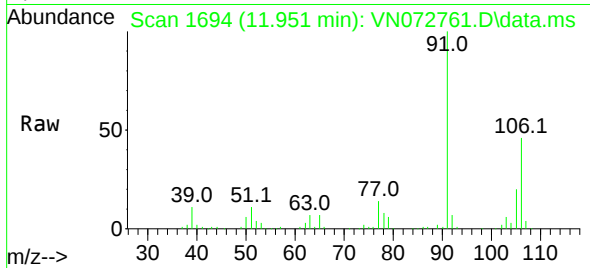
#68
m/p-Xylenes
Concen: 20.465 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4

Tgt Ion:106 Resp: 103264
Ion Ratio Lower Upper
106 100
91 226.3 158.9 238.3

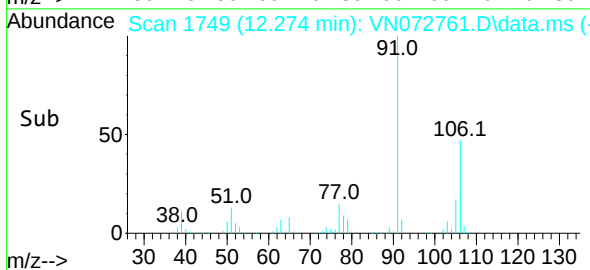
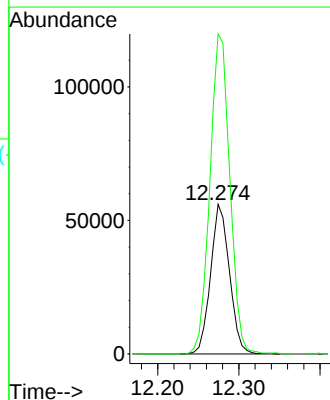
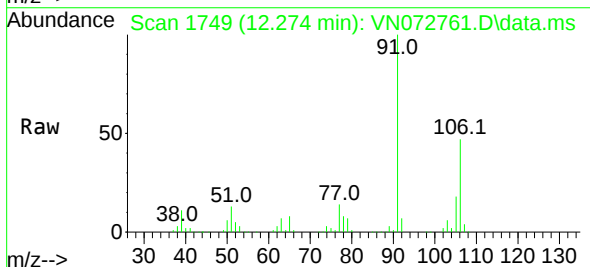
Manual Integrations
APPROVED

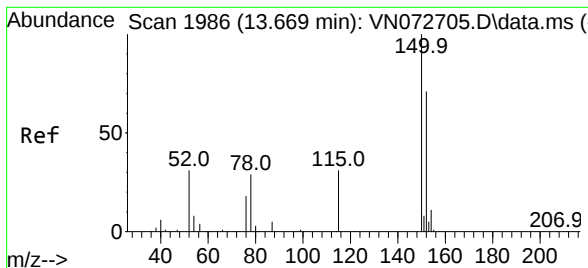
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#69
o-Xylene
Concen: 17.836 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

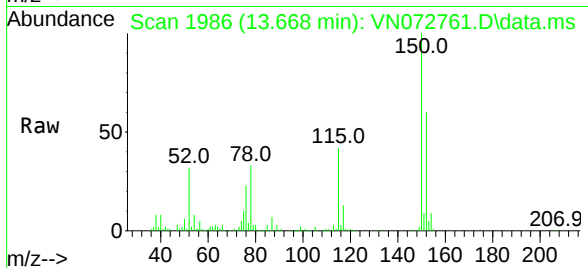
Tgt Ion:106 Resp: 90469
Ion Ratio Lower Upper
106 100
91 225.7 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

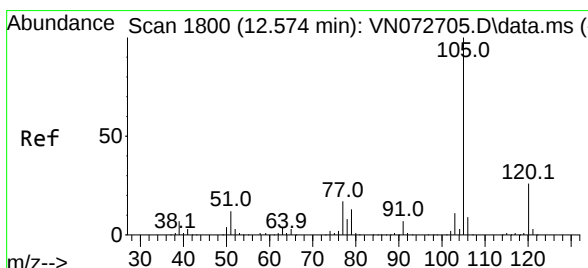
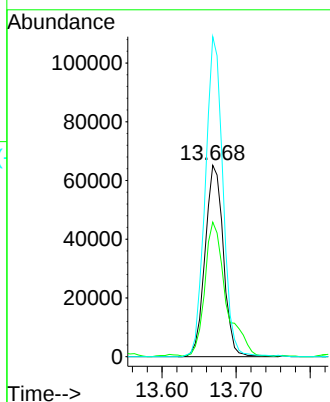
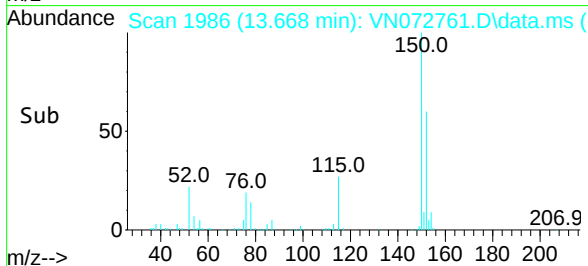
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



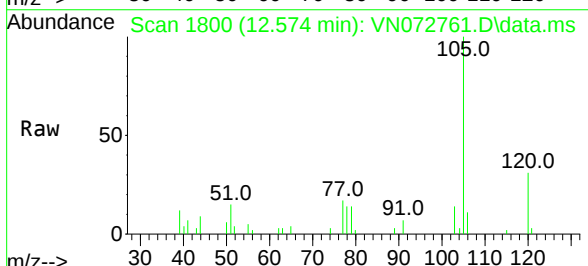
Tgt Ion:152 Resp: 111480
Ion Ratio Lower Upper
152 100
115 80.7 28.9 86.7
150 161.6 0.0 356.2

Manual Integrations
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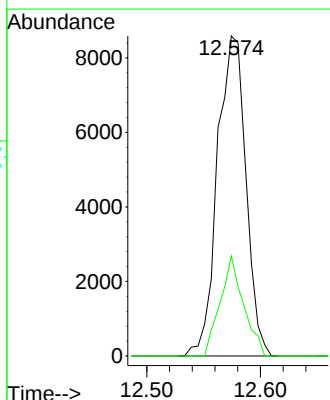
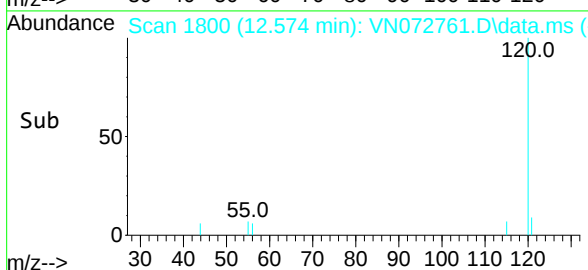
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

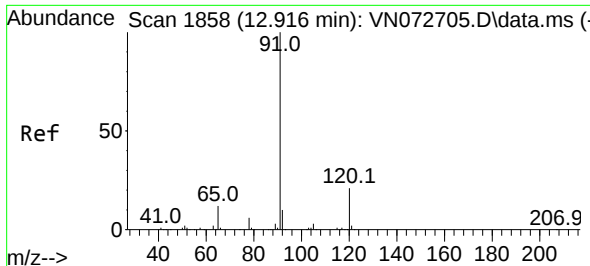


#73
Isopropylbenzene
Concen: 1.252 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



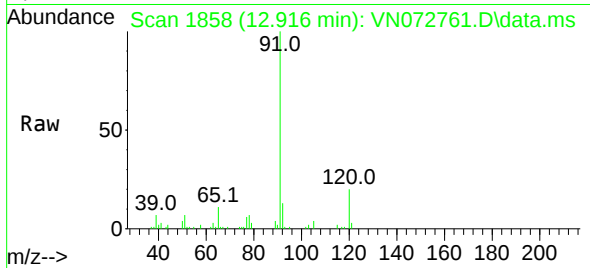
Tgt Ion:105 Resp: 14976
Ion Ratio Lower Upper
105 100
120 25.6 13.5 40.4





#78
n-propylbenzene
Concen: 3.617 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

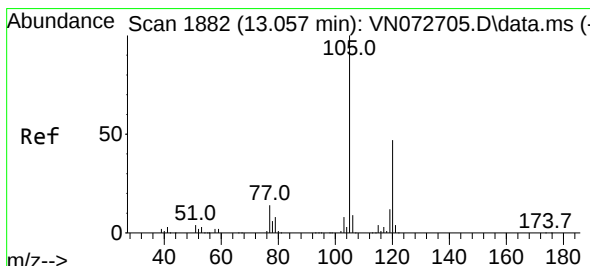
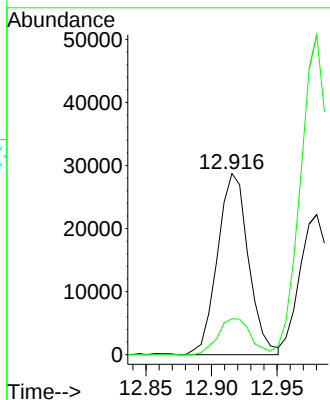
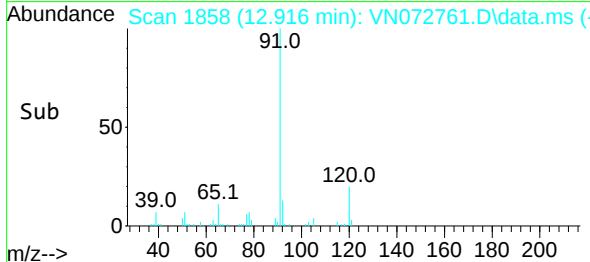
Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4



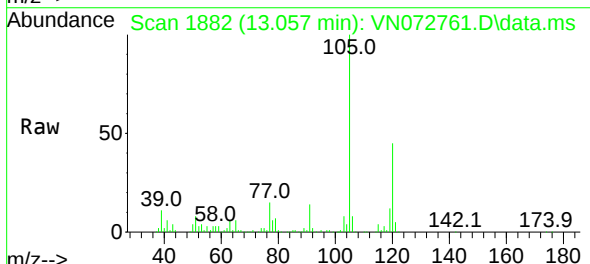
Tgt Ion: 91 Resp: 47228
Ion Ratio Lower Upper
91 100
120 21.2 11.9 35.5

Manual Integrations
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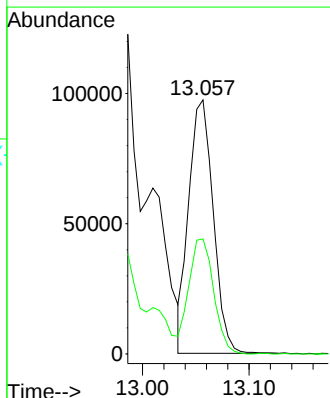
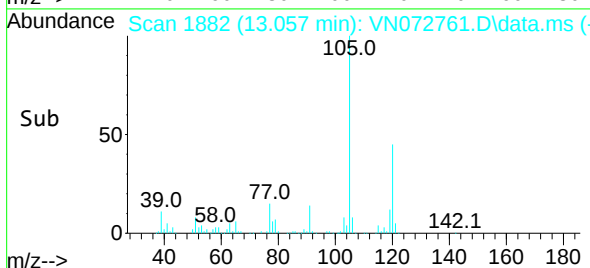
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

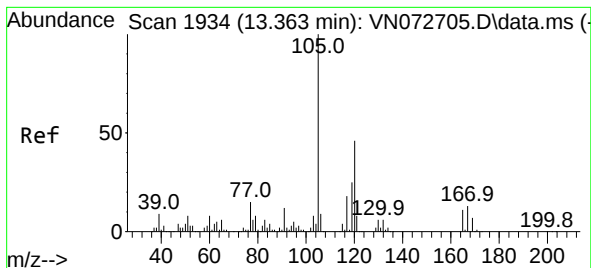


#80
1,3,5-Trimethylbenzene
Concen: 16.391 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44



Tgt Ion:105 Resp: 155307
Ion Ratio Lower Upper
105 100
120 46.0 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 74.128 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072761.D

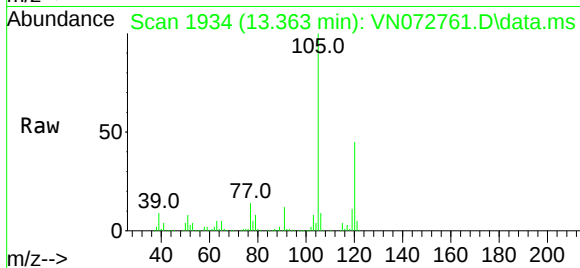
Acq: 10 Jun 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-4



Tgt Ion:105 Resp: 672064

Ion Ratio Lower Upper

105 100

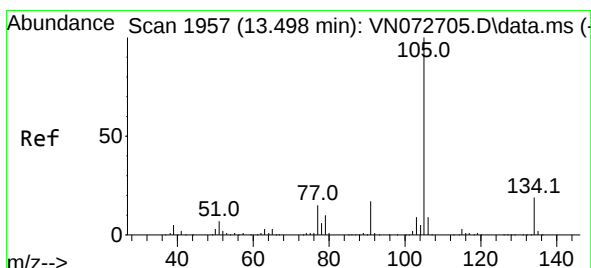
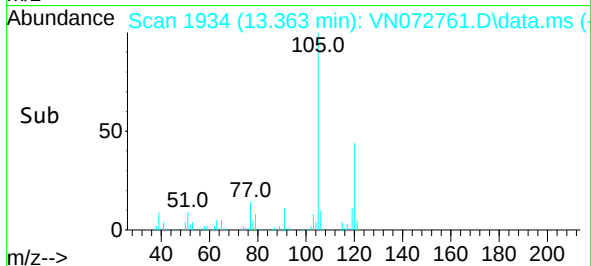
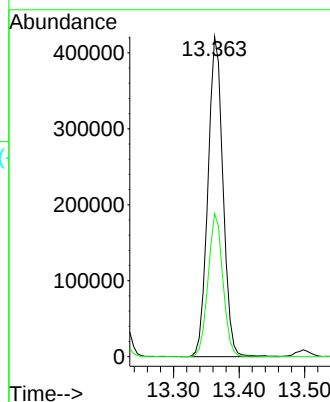
120 43.9 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2022

Supervised By :Mahesh Dadoda 06/13/2022



#85

sec-Butylbenzene

Concen: 1.279 ug/l m

RT: 13.498 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VN072761.D

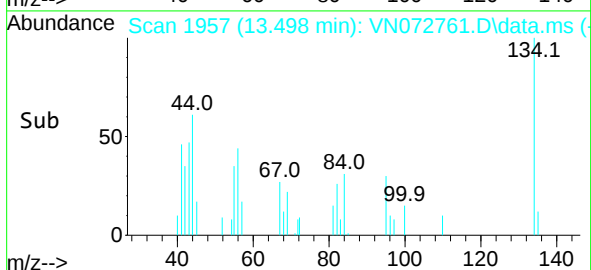
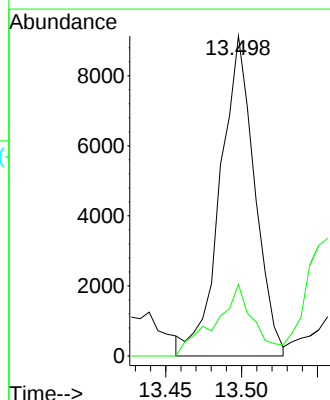
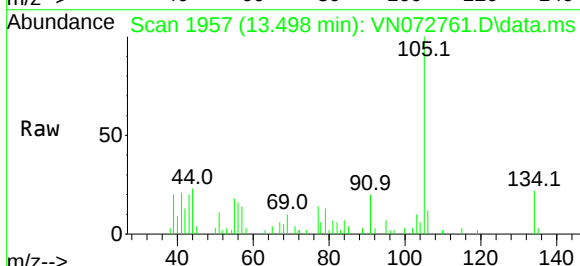
Acq: 10 Jun 2022 13:44

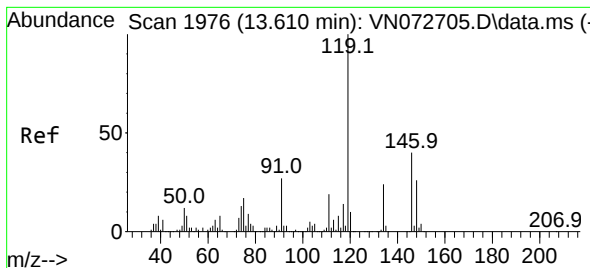
Tgt Ion:105 Resp: 14365

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





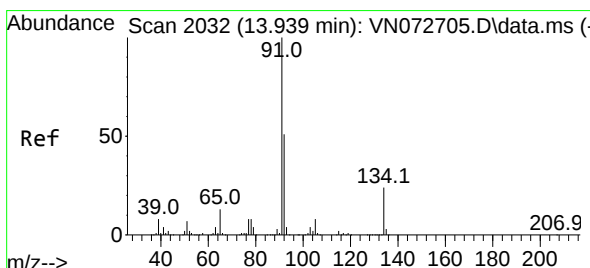
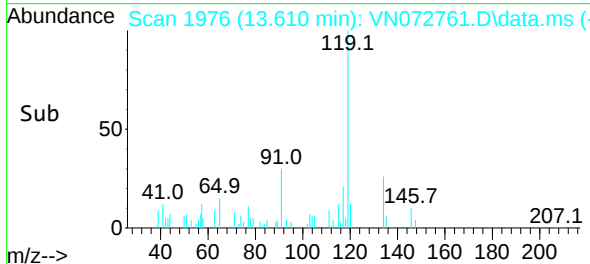
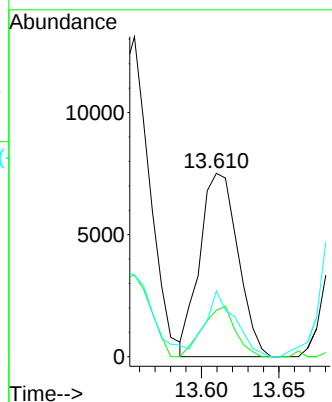
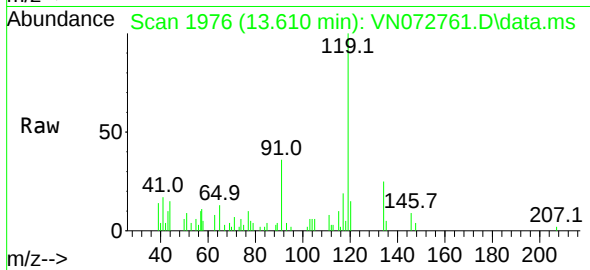
#86
p-Isopropyltoluene
Concen: 1.457 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

Instrument :
MSVOA_N
ClientSampleId :
21ST-CASING-4

Tgt Ion:119 Resp: 1287
Ion Ratio Lower Upper
119 100
134 23.5 13.3 39.8
91 27.7 11.3 33.9

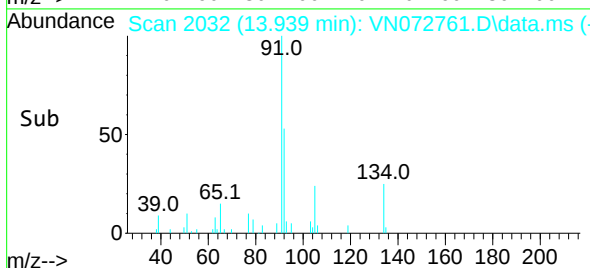
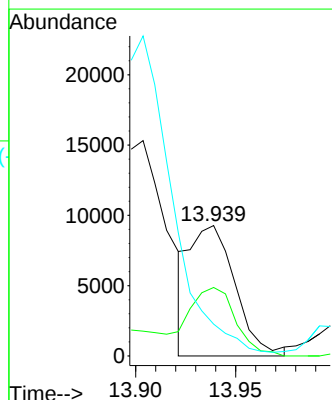
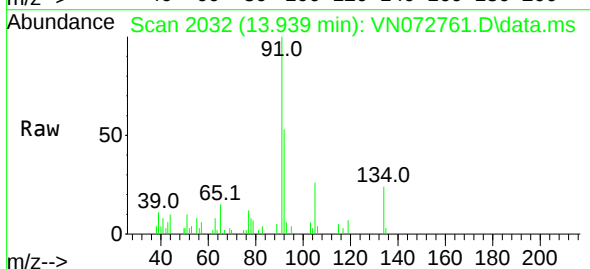
Manual Integrations
APPROVED

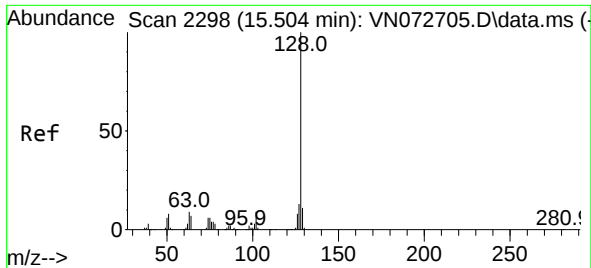
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#89
n-Butylbenzene
Concen: 1.974 ug/l m
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072761.D
Acq: 10 Jun 2022 13:44

Tgt Ion: 91 Resp: 14693
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 26.3 13.6 40.8





#95

Naphthalene

Concen: 104.296 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN072761.D

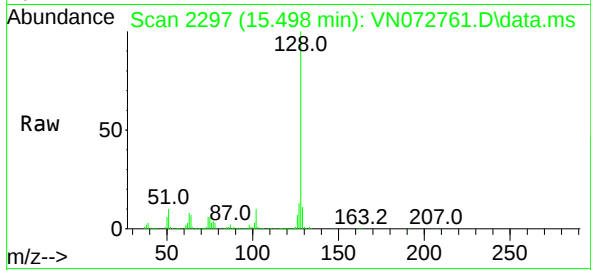
Acq: 10 Jun 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

21ST-CASING-4



Tgt Ion:128 Resp: 763980

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2022

Supervised By :Mahesh Dadoda 06/13/2022

