

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020122\  
 Data File : VN070874.D  
 Acq On : 1 Feb 2022 16:29  
 Operator : JC/MD  
 Sample : N1342-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31523

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/02/2022  
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 02 00:36:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 18 13:32:07 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.086          | 168  | 1169877    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965          | 114  | 1827746    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744         | 117  | 1647274    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.672         | 152  | 703904     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.445          | 65   | 721726     | 43.047   | ug/l   | 0.01     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 86.100%  |        |          |
| 35) Dibromofluoromethane    | 8.021          | 113  | 530630     | 46.803   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 93.600%  |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 2294819    | 48.047   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 96.100%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.728         | 95   | 798727     | 46.929   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 93.860%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 8) Diethyl Ether            | 3.827          | 74   | 269296     | 28.714   | ug/l   | 84       |
| 11) Tert butyl alcohol      | 5.369          | 59   | 3397525    | 1123.209 | ug/l   | 99       |
| 16) Acetone                 | 4.283          | 43   | 3505493    | 301.238  | ug/l   | 100      |
| 18) Methyl Acetate          | 4.857          | 43   | 335590     | 14.664   | ug/l   | 92       |
| 20) Methylene Chloride      | 5.095          | 84   | 35687      | 2.328    | ug/l # | 75       |
| 25) 2-Butanone              | 7.332          | 43   | 769883     | 52.576   | ug/l # | 89       |
| 31) Cyclohexane             | 8.094          | 56   | 2123599    | 71.929   | ug/l   | 86       |
| 39) Methylcyclohexane       | 9.459          | 83   | 2224534    | 94.408   | ug/l   | 89       |
| 40) Benzene                 | 8.434          | 78   | 42392372m  | 716.806  | ug/l   |          |
| 52) Toluene                 | 10.489         | 92   | 27007924m  | 763.447  | ug/l   |          |
| 67) Ethyl Benzene           | 11.843         | 91   | 3498618    | 52.873   | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.948         | 106  | 6369903    | 264.621  | ug/l   | 94       |
| 69) o-Xylene                | 12.278         | 106  | 1492194    | 62.465   | ug/l   | 91       |
| 73) Isopropylbenzene        | 12.575         | 105  | 219540     | 3.297    | ug/l   | 97       |
| 78) n-propylbenzene         | 12.919         | 91   | 132375     | 1.777    | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene  | 13.055         | 105  | 414851     | 7.704    | ug/l   | 96       |
| 83) tert-Butylbenzene       | 13.321         | 119  | 57960      | 1.236    | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene  | 13.366         | 105  | 579833     | 11.201   | ug/l   | 96       |
| -----                       |                |      |            |          |        |          |

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

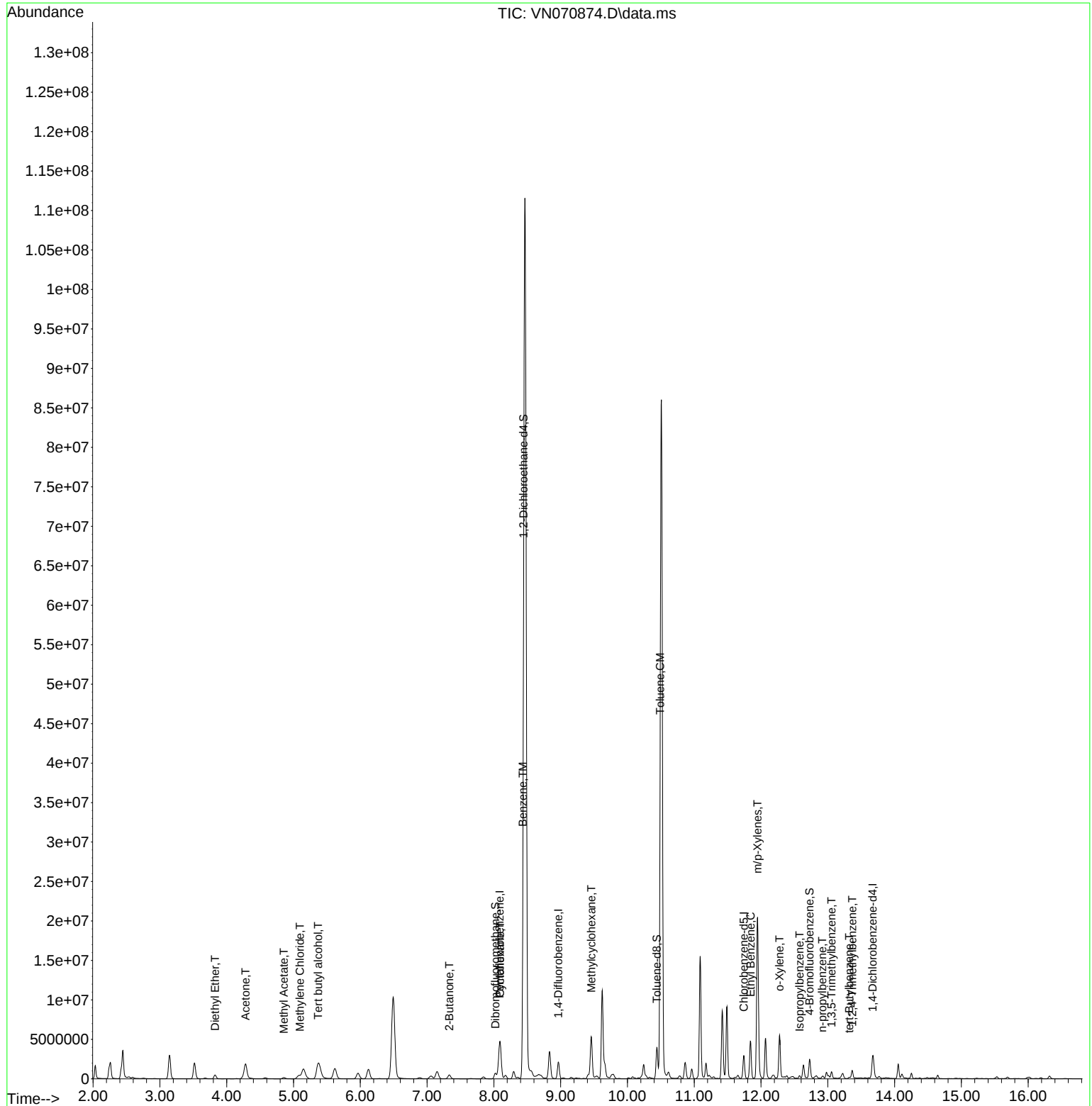
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020122\  
Data File : VN070874.D  
Acq On : 1 Feb 2022 16:29  
Operator : JC/MD  
Sample : N1342-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

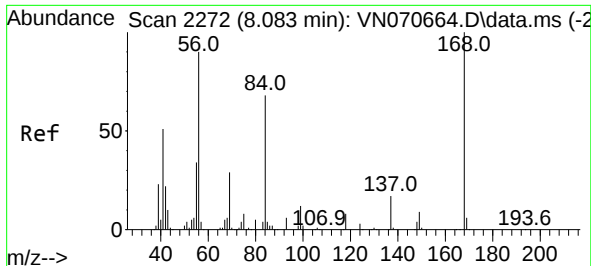
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523

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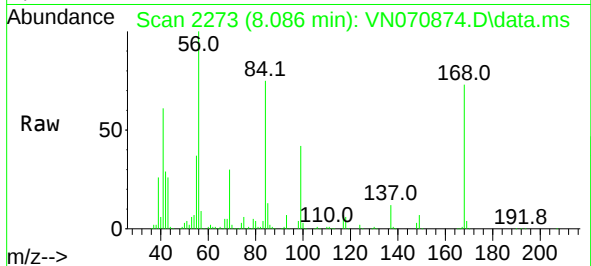
Quant Time: Feb 02 00:36:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 18 13:32:07 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

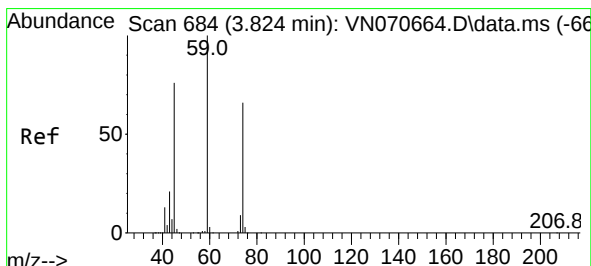
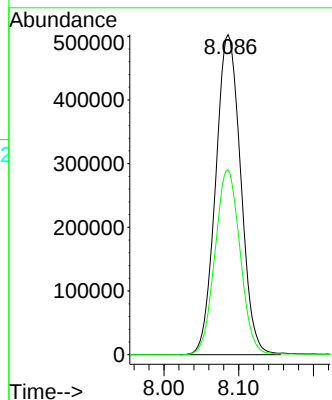
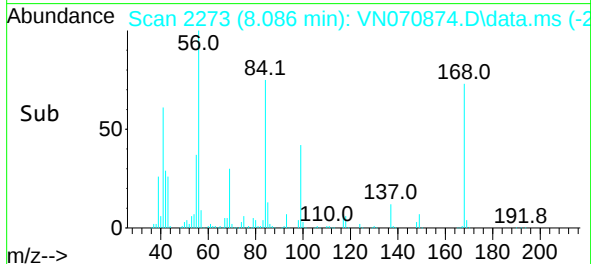
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



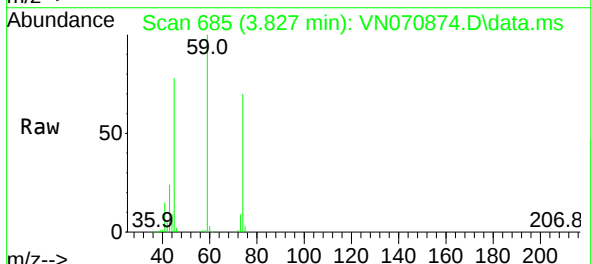
Tgt Ion:168 Resp: 116987  
Ion Ratio Lower Upper  
168 100  
99 57.8 41.3 61.9

Manual Integrations  
APPROVED

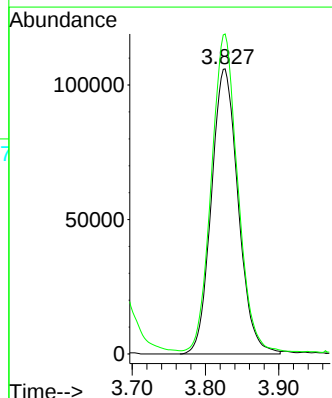
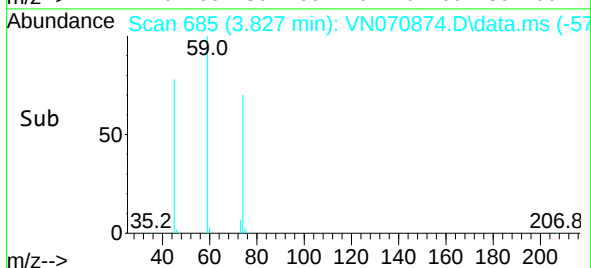
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022

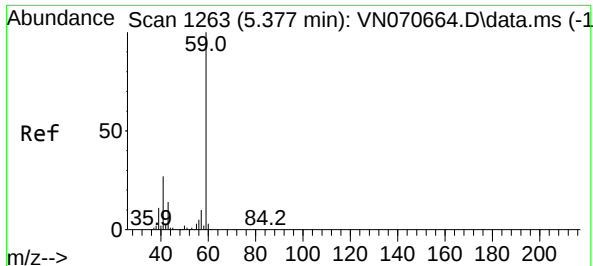


#8  
Diethyl Ether  
Concen: 28.714 ug/l  
RT: 3.827 min Scan# 685  
Delta R.T. 0.003 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29



Tgt Ion: 74 Resp: 269296  
Ion Ratio Lower Upper  
74 100  
45 109.7 47.0 141.2





#11

Tert butyl alcohol

Concen: 1123.209 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.008 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

31523

Tgt Ion: 59 Resp: 339752

Ion Ratio Lower Upper

59 100

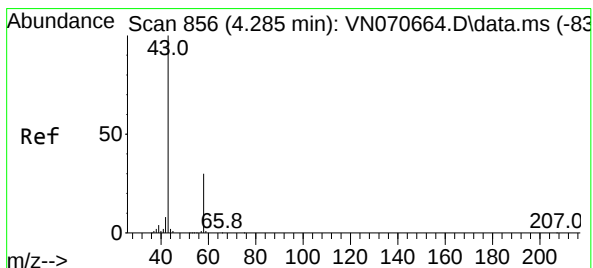
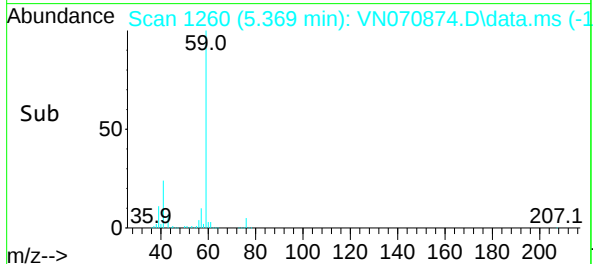
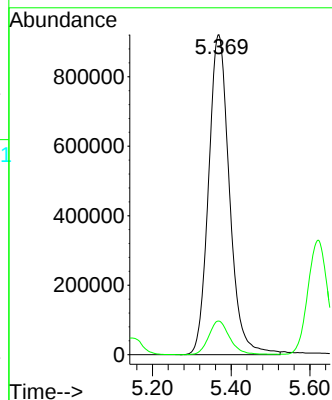
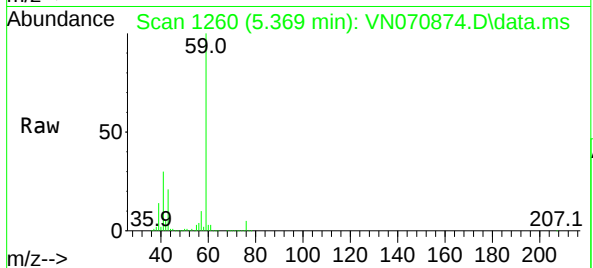
57 10.5 8.7 13.1

Manual Integrations

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#16

Acetone

Concen: 301.238 ug/l

RT: 4.283 min Scan# 855

Delta R.T. -0.002 min

Lab File: VN070874.D

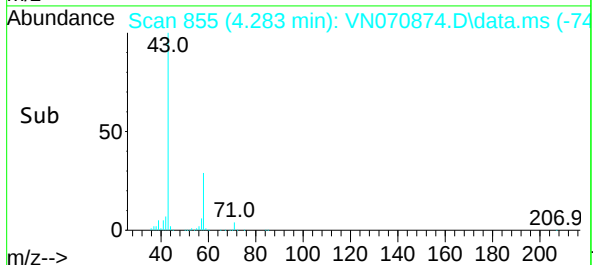
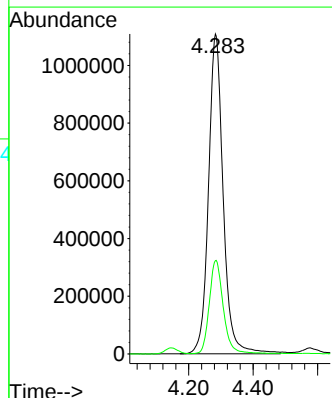
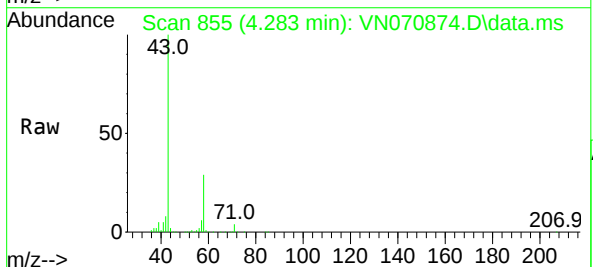
Acq: 1 Feb 2022 16:29

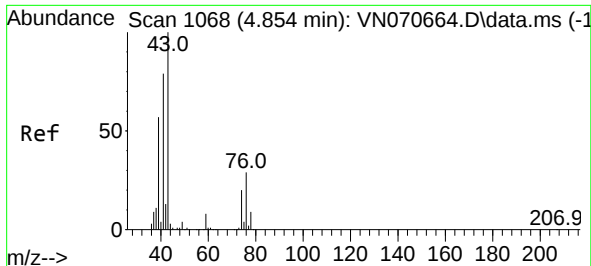
Tgt Ion: 43 Resp: 3505493

Ion Ratio Lower Upper

43 100

58 29.0 23.1 34.7





#18

Methyl Acetate

Concen: 14.664 ug/l

RT: 4.857 min Scan# 1068

Delta R.T. 0.003 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

31523

Tgt Ion: 43 Resp: 335590

Ion Ratio Lower Upper

43 100

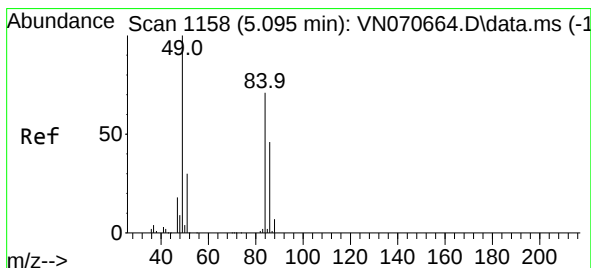
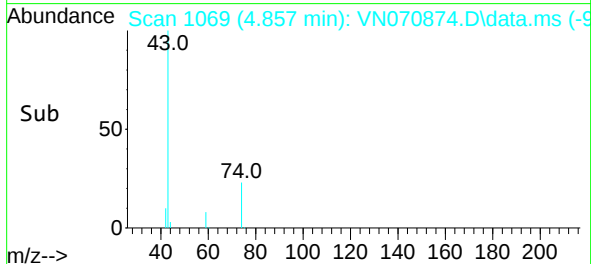
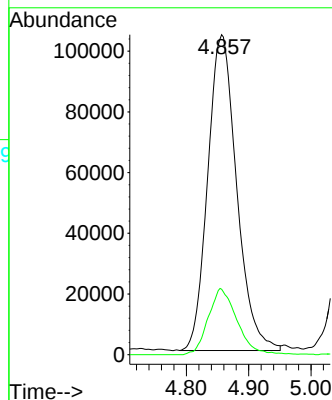
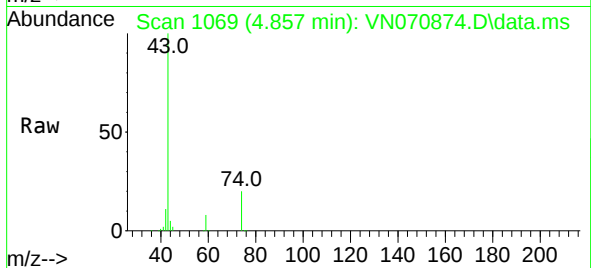
74 20.5 19.4 29.2

Manual Integrations

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#20

Methylene Chloride

Concen: 2.328 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Tgt Ion: 84 Resp: 35687

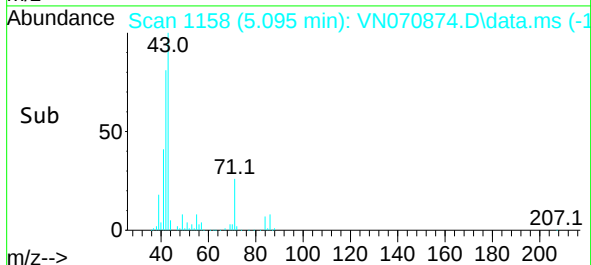
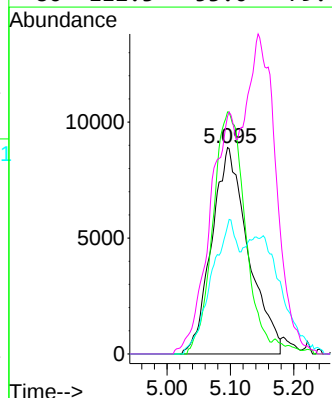
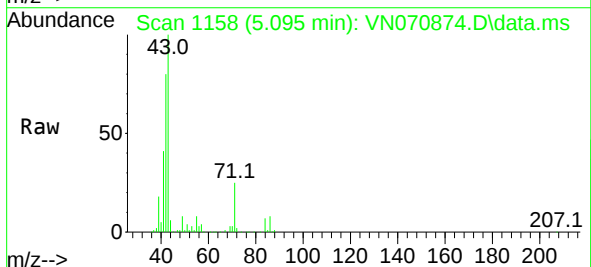
Ion Ratio Lower Upper

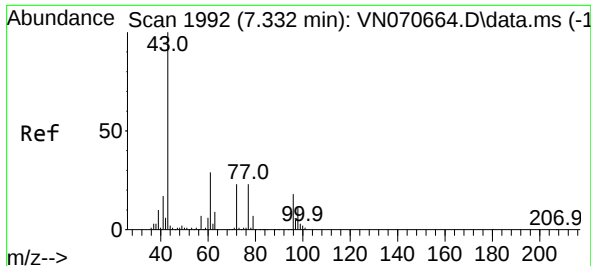
84 100

49 117.3 93.5 140.3

51 62.1 29.4 44.2#

86 112.3 53.0 79.4#





#25

2-Butanone

Concen: 52.576 ug/l

RT: 7.332 min Scan# 1992

Delta R.T. 0.000 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

31523

Tgt Ion: 43 Resp: 76988

Ion Ratio Lower Upper

43 100

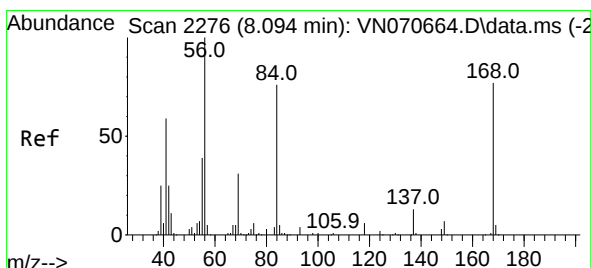
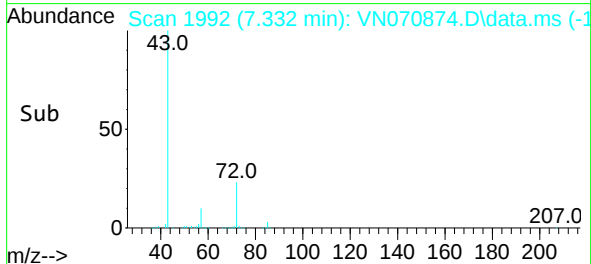
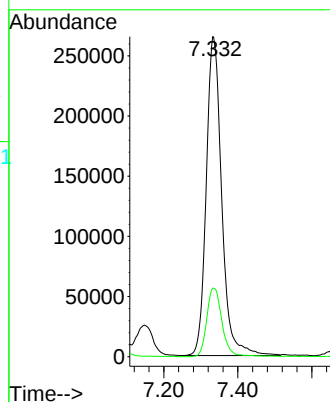
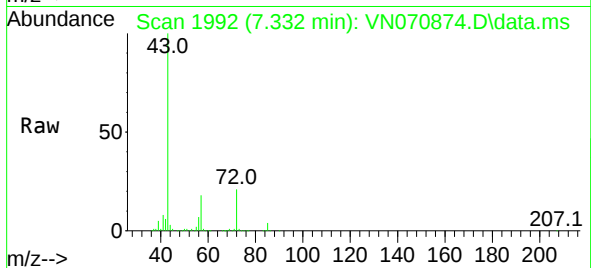
72 21.5 21.7 32.5

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 02/07/2022



#31

Cyclohexane

Concen: 71.929 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.000 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

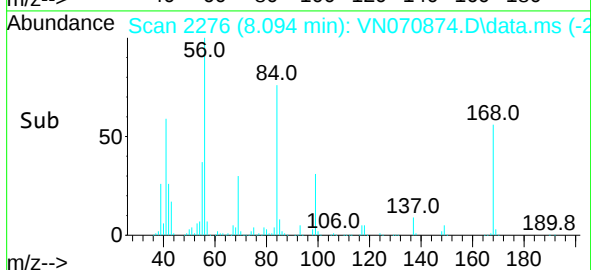
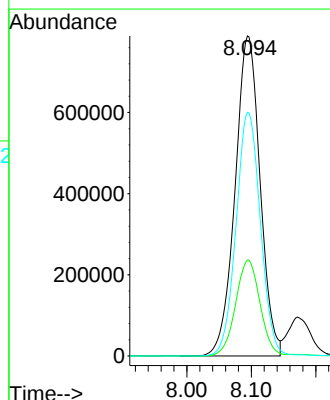
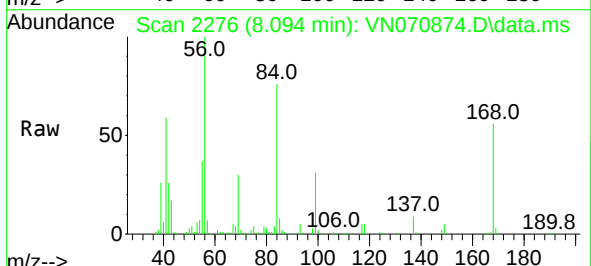
Tgt Ion: 56 Resp: 2123599

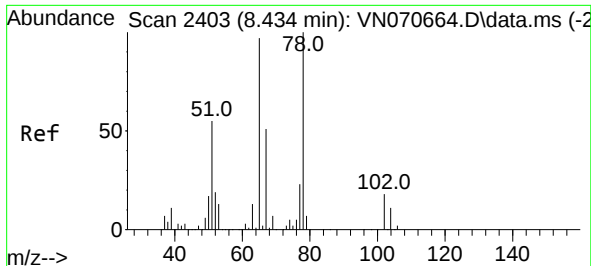
Ion Ratio Lower Upper

56 100

69 30.0 27.1 40.7

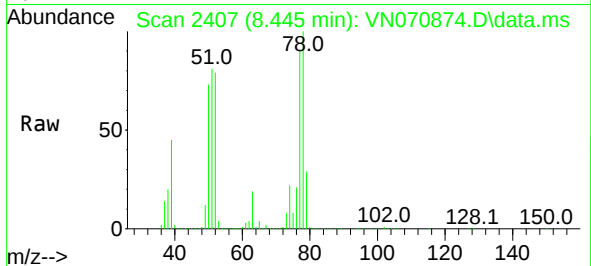
84 76.2 73.4 110.0





#33  
1,2-Dichloroethane-d4  
Concen: 43.047 ug/l  
RT: 8.445 min Scan# 2407  
Delta R.T. 0.011 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

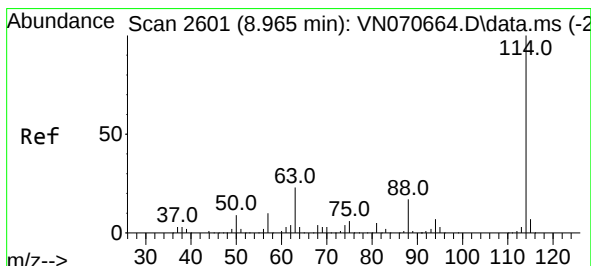
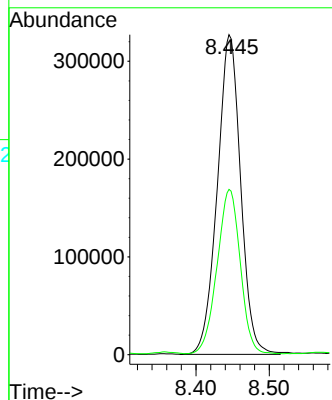
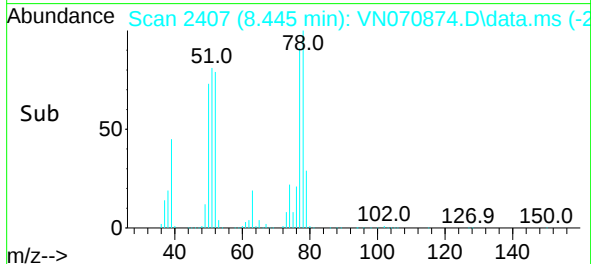
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



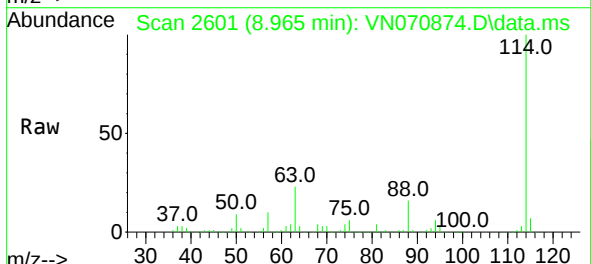
Tgt Ion: 65 Resp: 721720  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 103.0

Manual Integrations  
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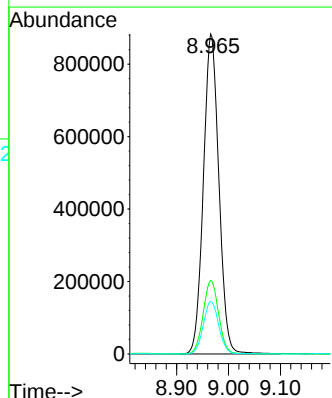
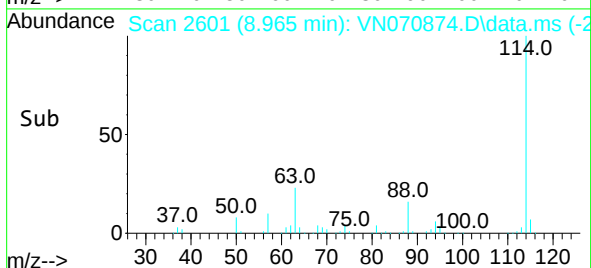
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022

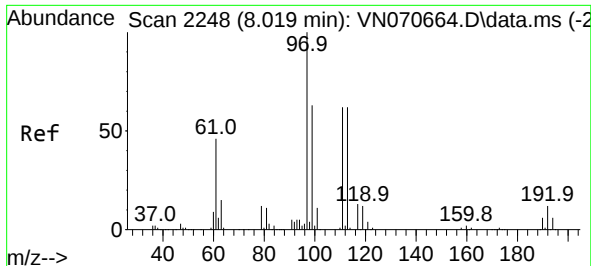


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.965 min Scan# 2601  
Delta R.T. 0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29



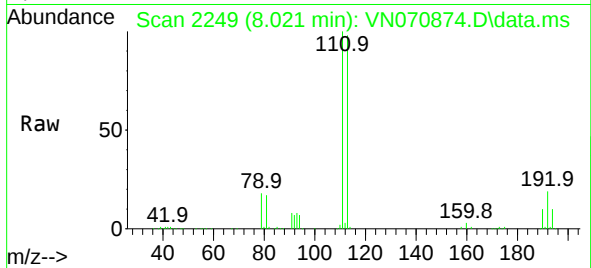
Tgt Ion:114 Resp: 1827746  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 37.8  
88 16.4 0.0 27.4





#35  
Dibromofluoromethane  
Concen: 46.803 ug/l  
RT: 8.021 min Scan# 2113  
Delta R.T. 0.002 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

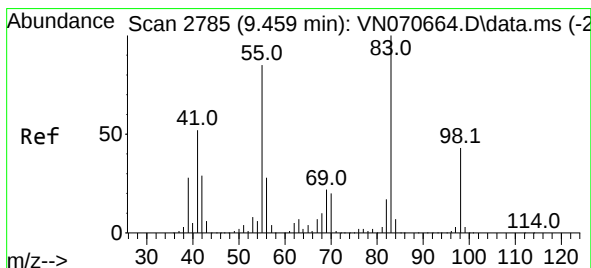
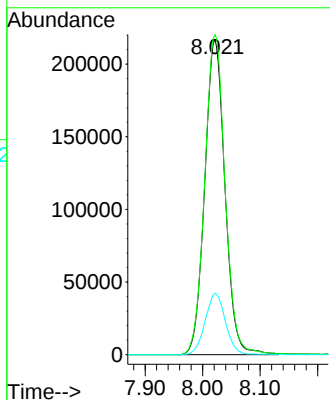
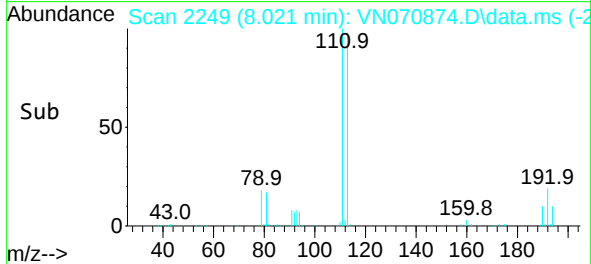
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



Tgt Ion:113 Resp: 530630  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.2  
192 19.5 16.9 25.3

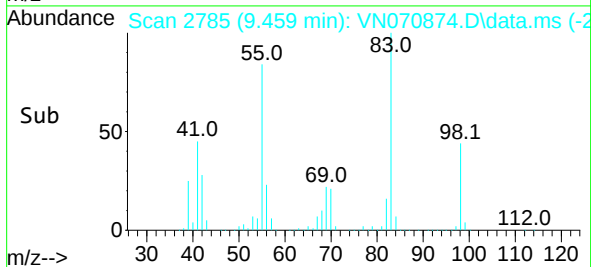
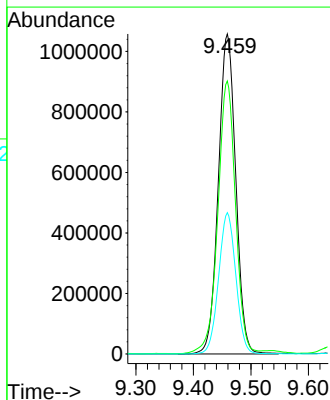
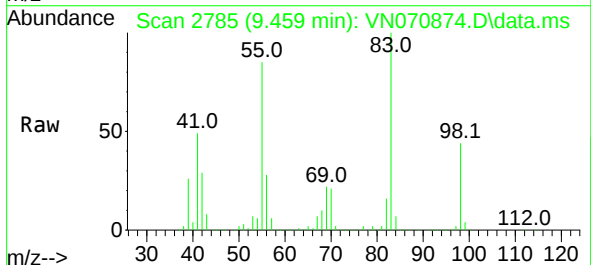
Manual Integrations  
APPROVED

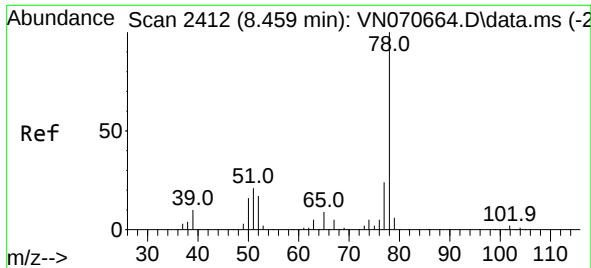
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022



#39  
Methylcyclohexane  
Concen: 94.408 ug/l  
RT: 9.459 min Scan# 2785  
Delta R.T. -0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

Tgt Ion: 83 Resp: 2224534  
Ion Ratio Lower Upper  
83 100  
55 85.2 58.1 87.1  
98 44.2 38.4 57.6





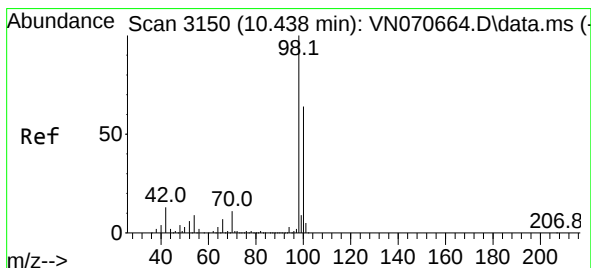
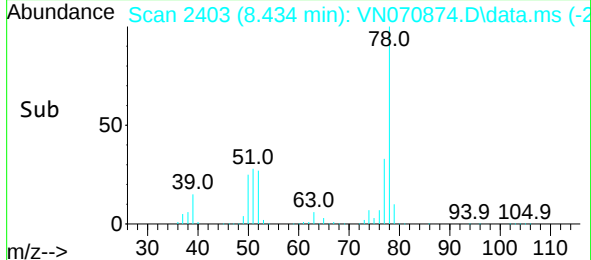
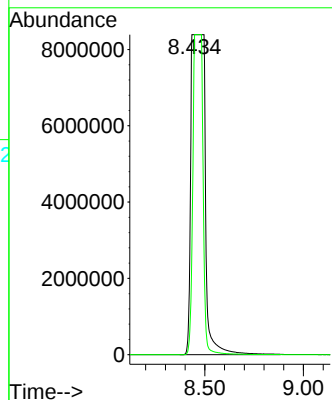
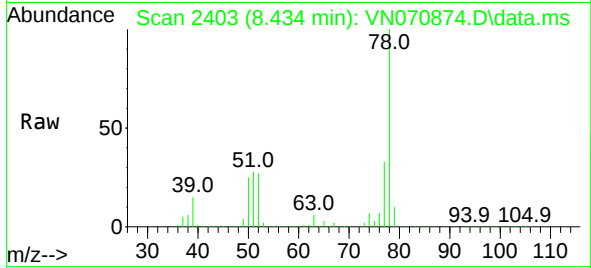
#40  
Benzene  
Concen: 716.806 ug/l m  
RT: 8.434 min Scan# 2412  
Delta R.T. -0.025 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
31523

Tgt Ion: 78 Resp:4239237  
Ion Ratio Lower Upper  
78 100  
77 32.9 18.6 27.8

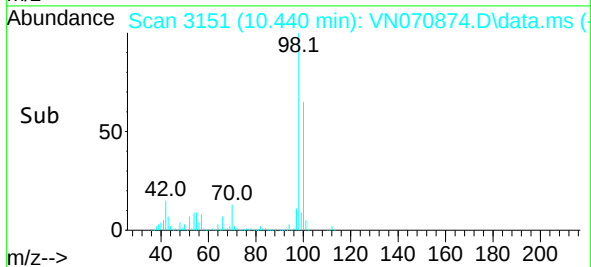
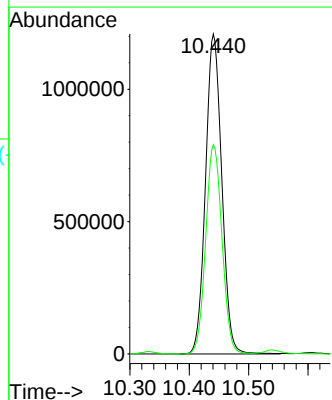
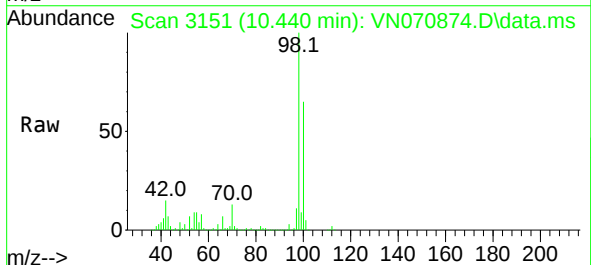
Manual Integrations  
APPROVED

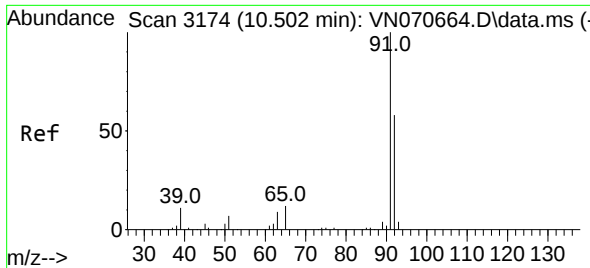
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022



#50  
Toluene-d8  
Concen: 48.047 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. 0.002 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

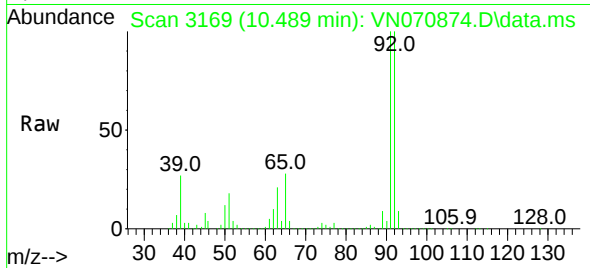
Tgt Ion: 98 Resp: 2294819  
Ion Ratio Lower Upper  
98 100  
100 65.8 50.4 75.6





#52  
Toluene  
Concen: 763.447 ug/l m  
RT: 10.489 min Scan# 3174  
Delta R.T. -0.013 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

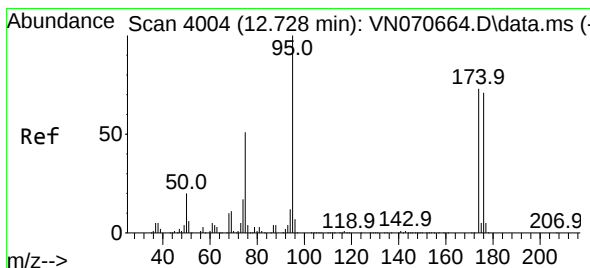
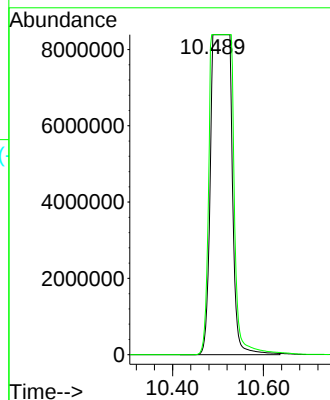
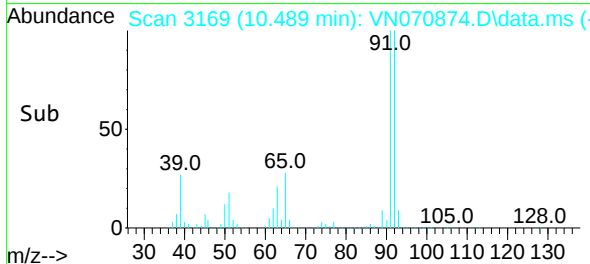
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



Tgt Ion: 92 Resp: 27007924  
Ion Ratio Lower Upper  
92 100  
91 0.0 142.0 213.0

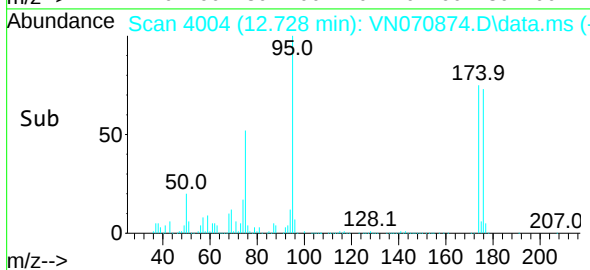
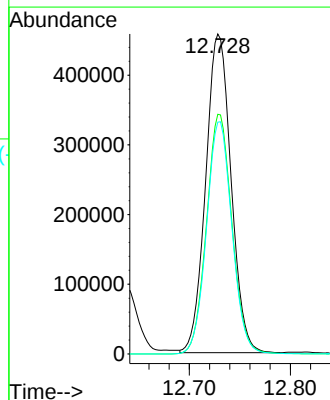
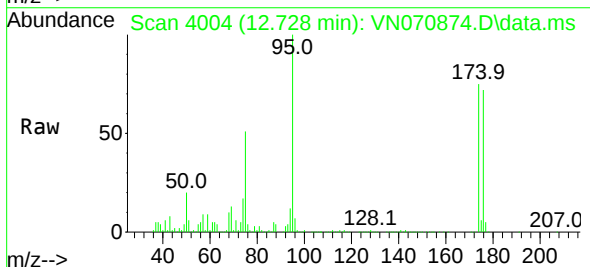
Manual Integrations  
APPROVED

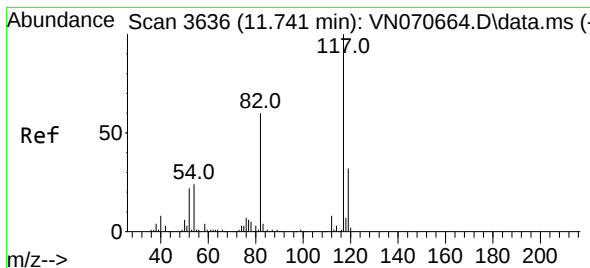
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022



#62  
4-Bromofluorobenzene  
Concen: 46.929 ug/l  
RT: 12.728 min Scan# 4004  
Delta R.T. 0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

Tgt Ion: 95 Resp: 798727  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 187.2  
176 73.0 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3636

Delta R.T. 0.003 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

31523

Tgt Ion:117 Resp: 1647274

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

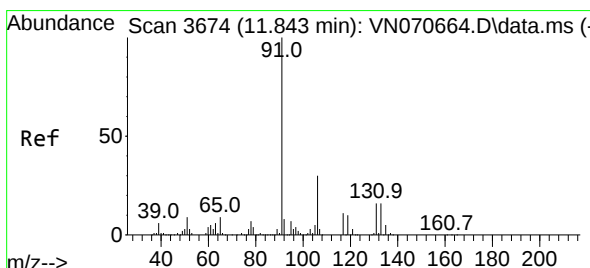
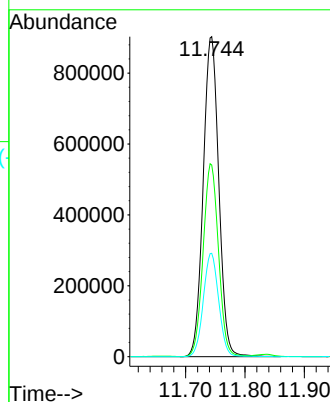
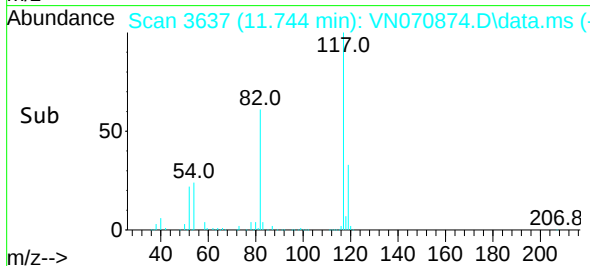
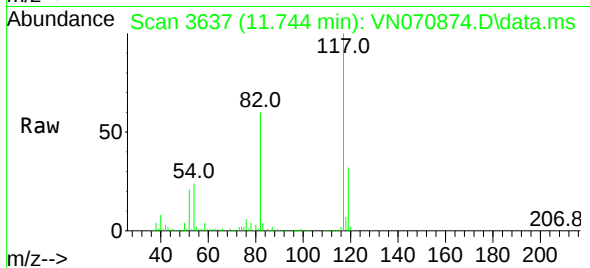
119 32.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#67

Ethyl Benzene

Concen: 52.873 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070874.D

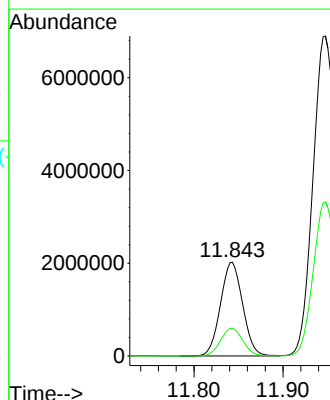
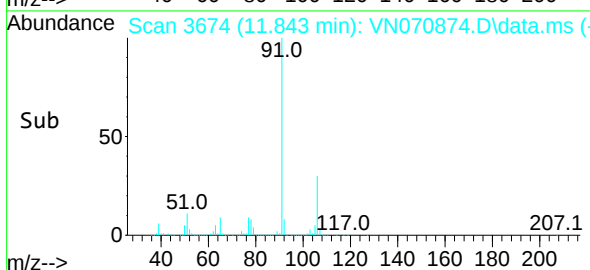
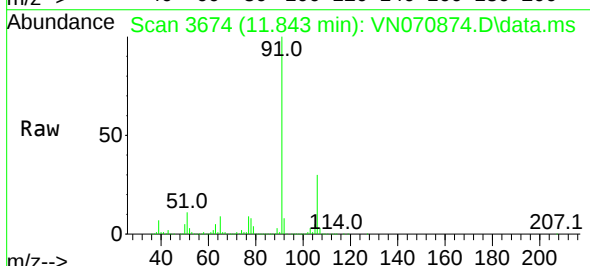
Acq: 1 Feb 2022 16:29

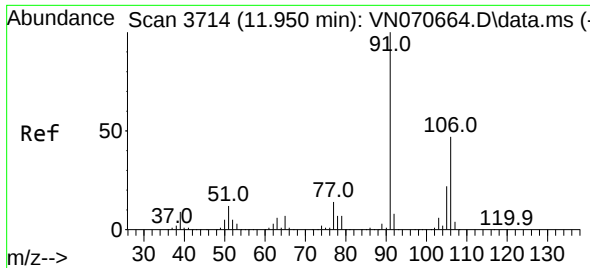
Tgt Ion: 91 Resp: 3498618

Ion Ratio Lower Upper

91 100

106 29.5 25.7 38.5





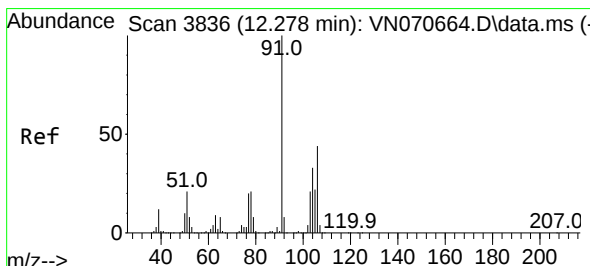
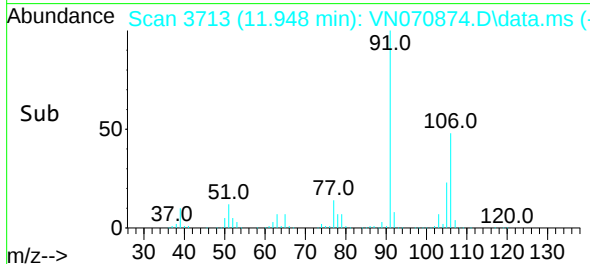
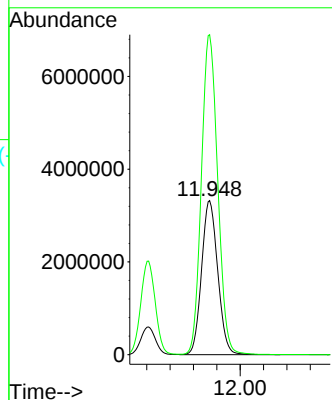
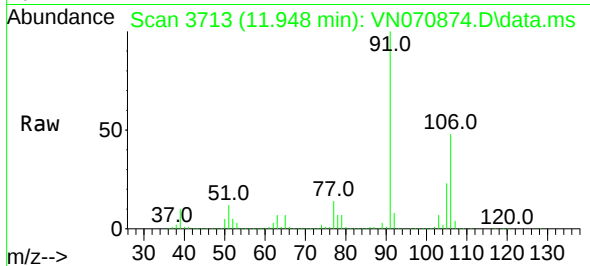
#68  
m/p-Xylenes  
Concen: 264.621 ug/l  
RT: 11.948 min Scan# 31  
Delta R.T. -0.002 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
31523

Tgt Ion:106 Resp: 636990  
Ion Ratio Lower Upper  
106 100  
91 209.9 160.6 240.8

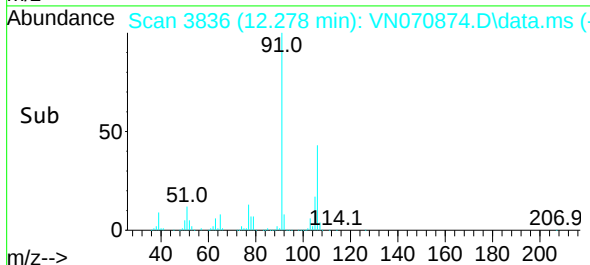
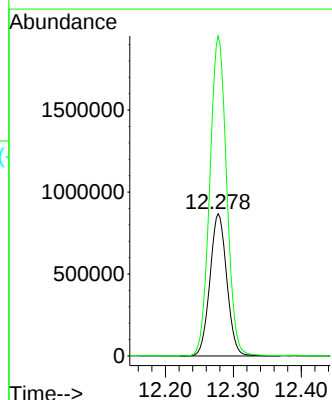
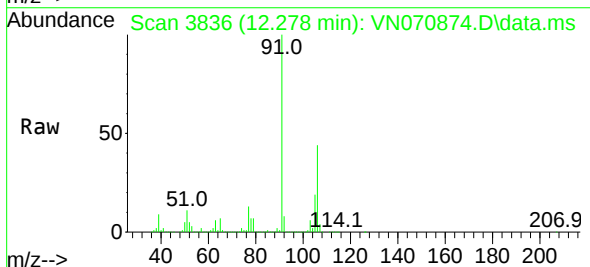
Manual Integrations  
APPROVED

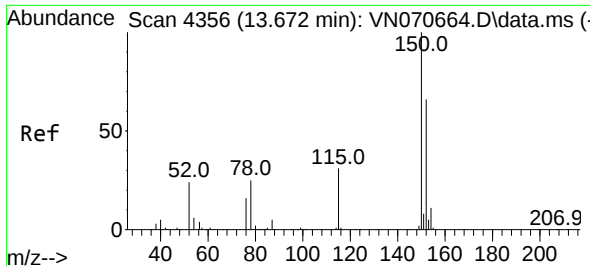
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022



#69  
o-Xylene  
Concen: 62.465 ug/l  
RT: 12.278 min Scan# 3836  
Delta R.T. -0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

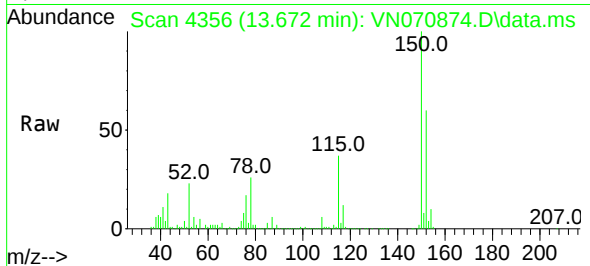
Tgt Ion:106 Resp: 1492194  
Ion Ratio Lower Upper  
106 100  
91 225.7 105.8 317.3





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.672 min Scan# 4356  
Delta R.T. 0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

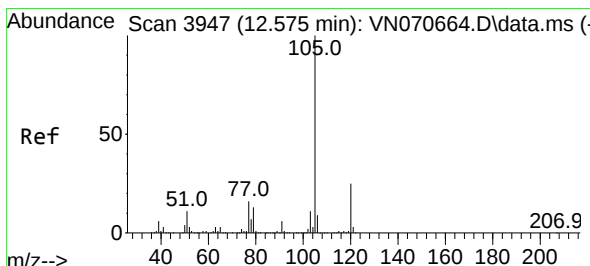
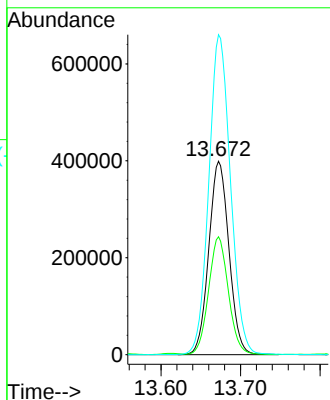
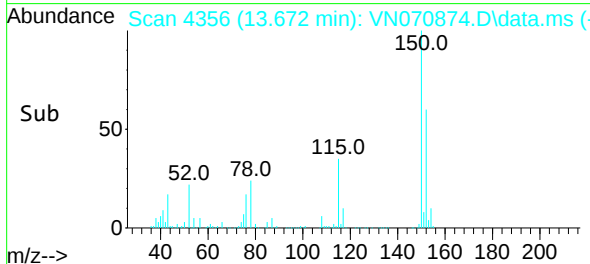
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



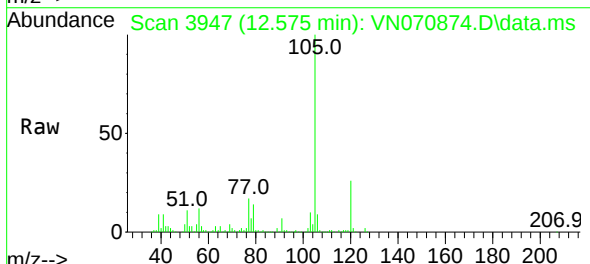
Tgt Ion:152 Resp: 703904  
Ion Ratio Lower Upper  
152 100  
115 59.6 27.5 82.5  
150 177.7 0.0 344.4

Manual Integrations  
APPROVED

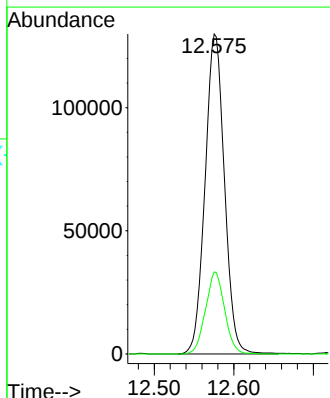
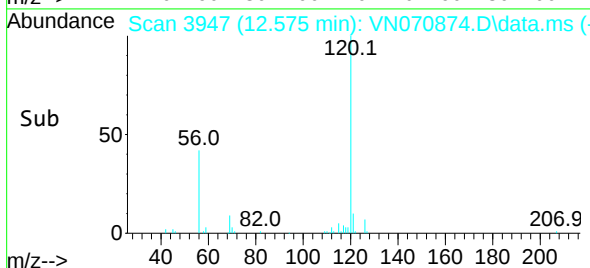
Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022

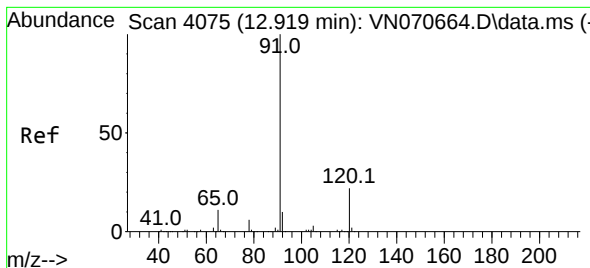


#73  
Isopropylbenzene  
Concen: 3.297 ug/l  
RT: 12.575 min Scan# 3947  
Delta R.T. 0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29



Tgt Ion:105 Resp: 219540  
Ion Ratio Lower Upper  
105 100  
120 25.3 13.4 40.1





#78

n-propylbenzene

Concen: 1.777 ug/l

RT: 12.919 min Scan# 4075

Delta R.T. -0.000 min

Lab File: VN070874.D

Acq: 1 Feb 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

31523

Tgt Ion: 91 Resp: 132375

Ion Ratio Lower Upper

91 100

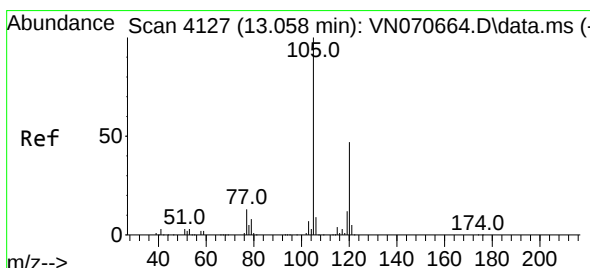
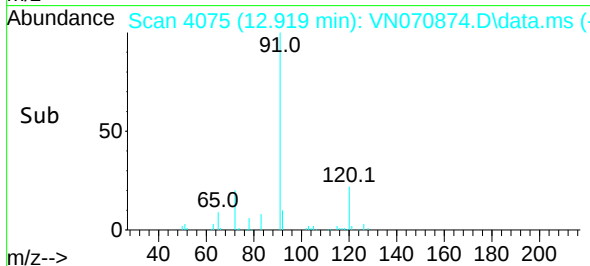
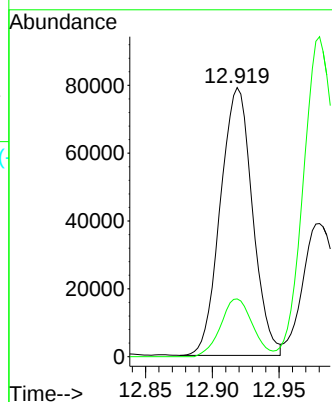
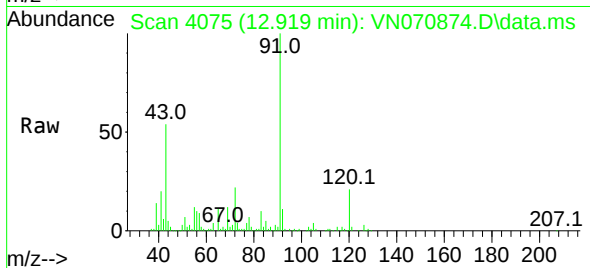
120 21.5 11.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/02/2022

Supervised By :Mahesh Dadoda 02/07/2022



#80

1,3,5-Trimethylbenzene

Concen: 7.704 ug/l

RT: 13.055 min Scan# 4126

Delta R.T. -0.003 min

Lab File: VN070874.D

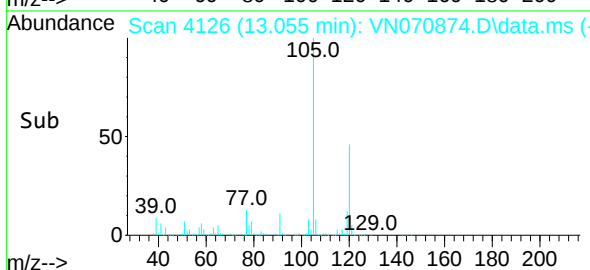
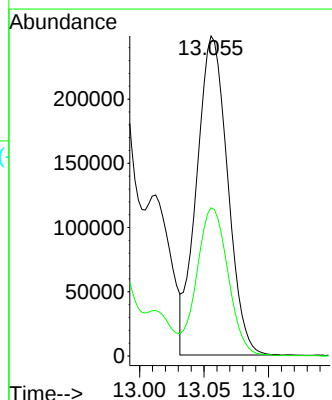
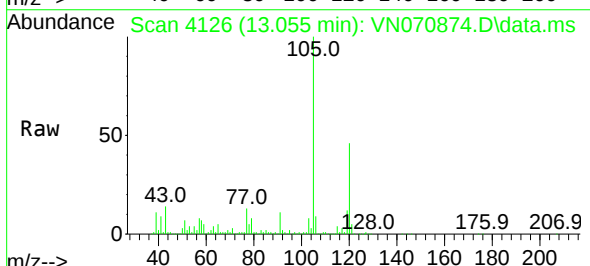
Acq: 1 Feb 2022 16:29

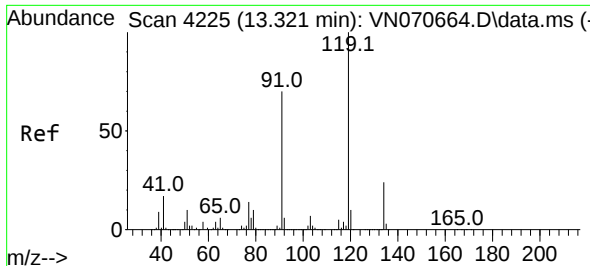
Tgt Ion:105 Resp: 414851

Ion Ratio Lower Upper

105 100

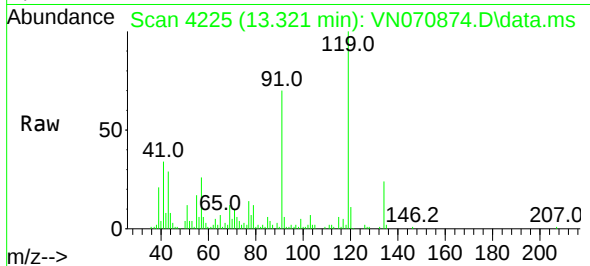
120 46.5 24.6 73.6





#83  
tert-Butylbenzene  
Concen: 1.236 ug/l  
RT: 13.321 min Scan# 4225  
Delta R.T. -0.000 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

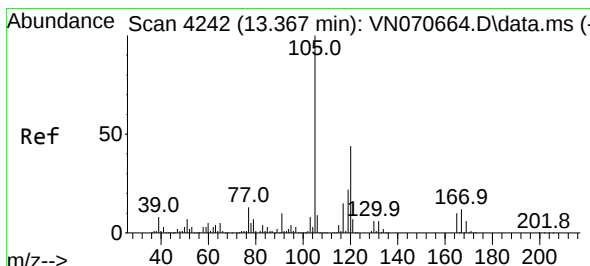
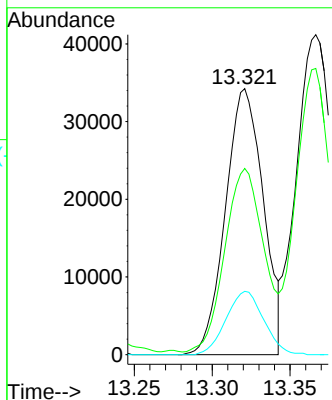
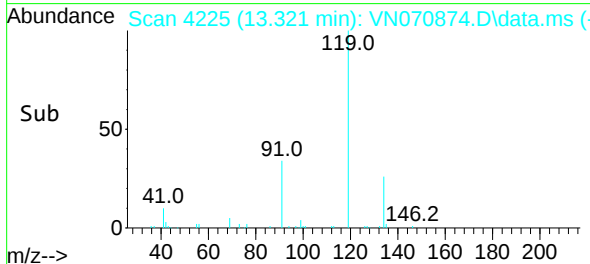
Instrument :  
MSVOA\_N  
ClientSampleId :  
31523



Tgt Ion:119 Resp: 57960  
Ion Ratio Lower Upper  
119 100  
91 70.8 31.5 94.5  
134 23.7 12.4 37.4

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/02/2022  
Supervised By :Mahesh Dadoda 02/07/2022



#84  
1,2,4-Trimethylbenzene  
Concen: 11.201 ug/l  
RT: 13.366 min Scan# 4242  
Delta R.T. -0.001 min  
Lab File: VN070874.D  
Acq: 1 Feb 2022 16:29

Tgt Ion:105 Resp: 579833  
Ion Ratio Lower Upper  
105 100  
120 42.8 22.8 68.4

