

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010522\  
 Data File : VN070490.D  
 Acq On : 5 Jan 2022 15:31  
 Operator : JC/MD  
 Sample : N1012-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 31239

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/06/2022  
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 06 12:35:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.086          | 168  | 952880     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965          | 114  | 1601741    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744         | 117  | 1442641    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675         | 152  | 494220     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 663415     | 48.422   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 96.840%  |        |          |
| 35) Dibromofluoromethane    | 8.021          | 113  | 464337     | 47.913   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 95.820%  |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 1894749    | 47.859   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 95.720%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.731         | 95   | 696120     | 48.683   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 97.360%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.377          | 59   | 51263m     | 22.472   | ug/l   |          |
| 16) Acetone                 | 4.283          | 43   | 20073058   | 2256.967 | ug/l   | 97       |
| 25) 2-Butanone              | 7.340          | 43   | 83775      | 7.481    | ug/l # | 89       |
| 40) Benzene                 | 8.461          | 78   | 24452      | 0.497    | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone    | 10.330         | 43   | 97905      | 4.756    | ug/l   | 96       |
| 52) Toluene                 | 10.505         | 92   | 44374      | 1.492    | ug/l   | 97       |
| 67) Ethyl Benzene           | 11.846         | 91   | 20467      | 0.365    | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.950         | 106  | 30762      | 1.507    | ug/l   | 96       |
| 69) o-Xylene                | 12.280         | 106  | 15368      | 0.757    | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene  | 13.058         | 105  | 7521       | 0.204    | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.366         | 105  | 16207      | 0.458    | ug/l   | 92       |
| 95) Naphthalene             | 15.504         | 128  | 12971      | 2.352    | ug/l   | 96       |
| -----                       |                |      |            |          |        |          |

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

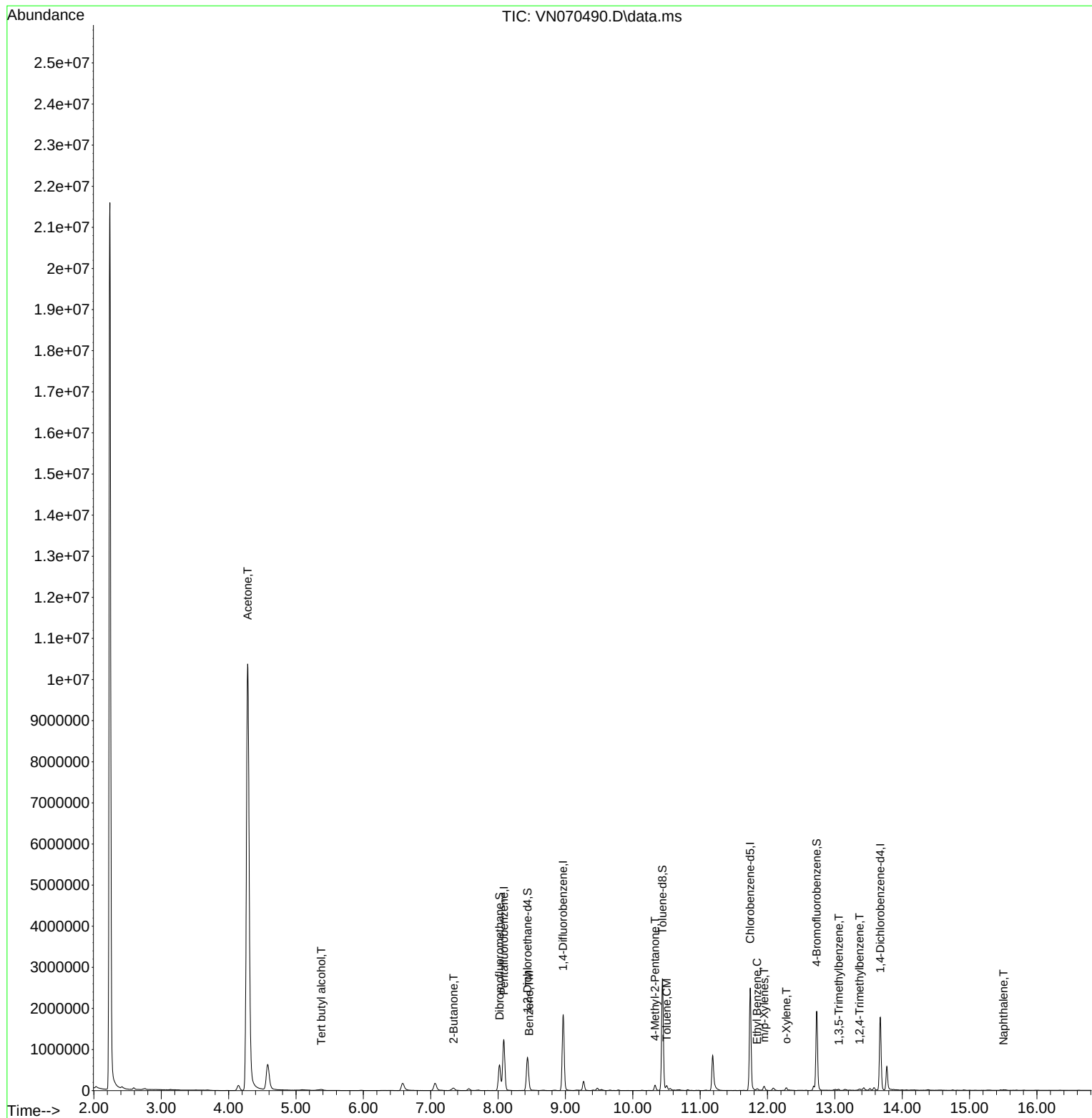
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010522\  
Data File : VN070490.D  
Acq On : 5 Jan 2022 15:31  
Operator : JC/MD  
Sample : N1012-07  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

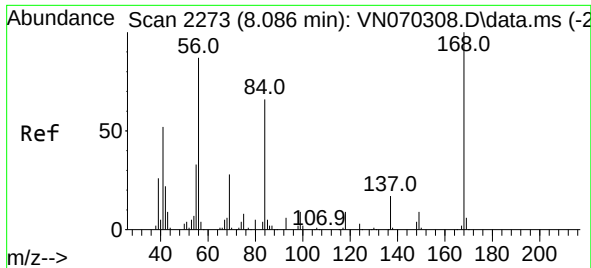
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239

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Supervised By : Mahesh Dadoda 01/11/2022

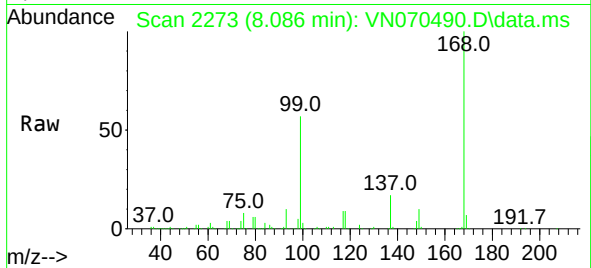
Quant Time: Jan 06 12:35:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

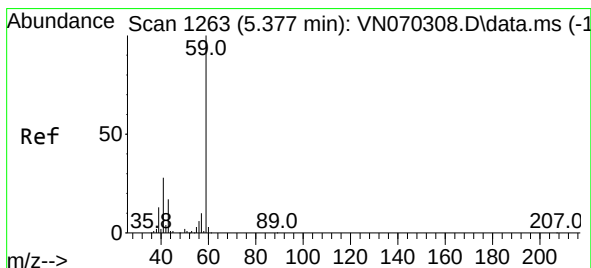
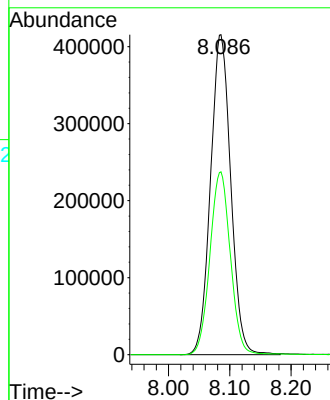
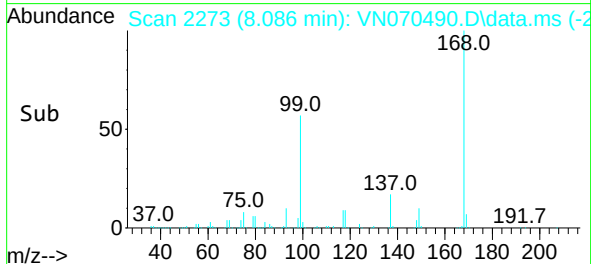
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239



Tgt Ion:168 Resp: 952880  
Ion Ratio Lower Upper  
168 100  
99 57.2 41.3 61.9

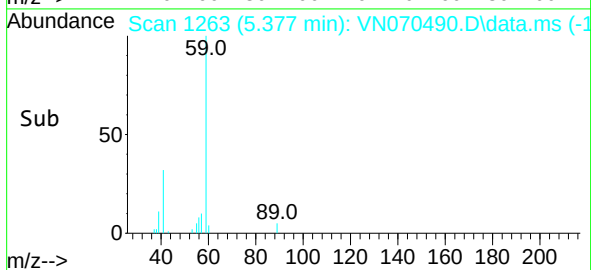
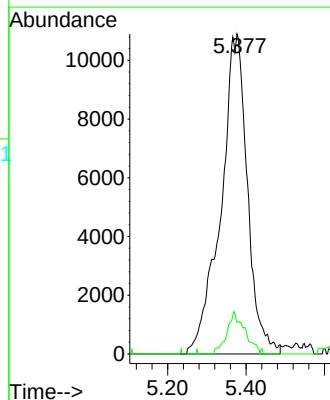
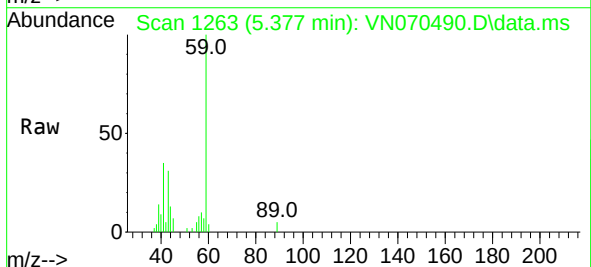
Manual Integrations  
APPROVED

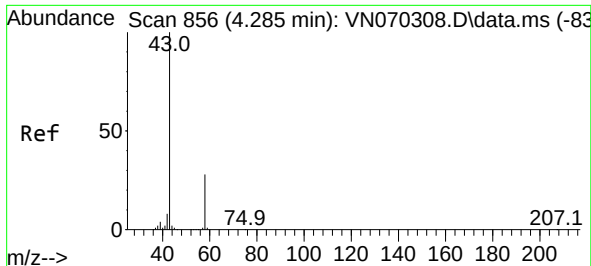
Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#11  
Tert butyl alcohol  
Concen: 22.472 ug/l m  
RT: 5.377 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

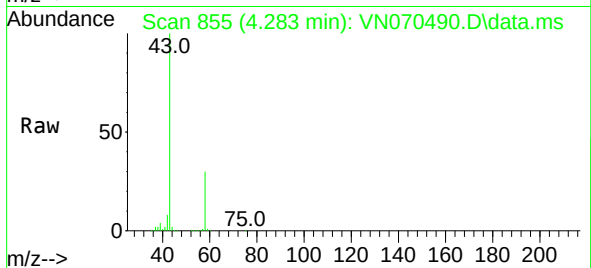
Tgt Ion: 59 Resp: 51263  
Ion Ratio Lower Upper  
59 100  
57 8.9 8.7 13.1





#16  
Acetone  
Concen: 2256.967 ug/l  
RT: 4.283 min Scan# 856  
Delta R.T. -0.002 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

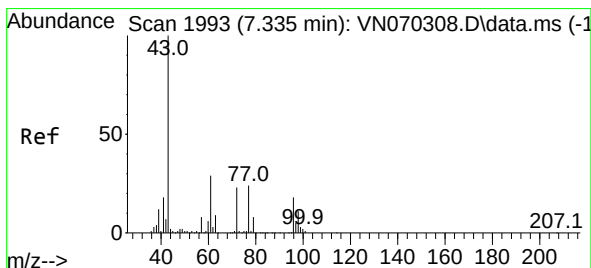
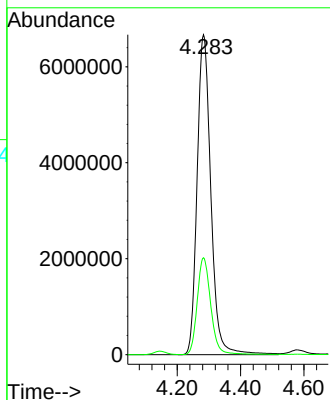
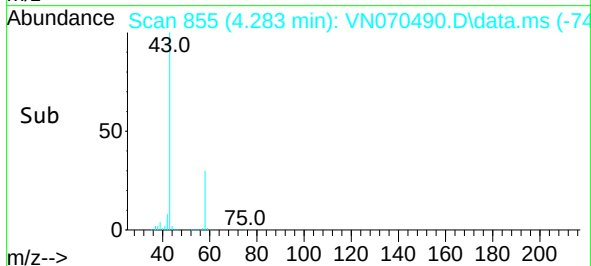
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31239



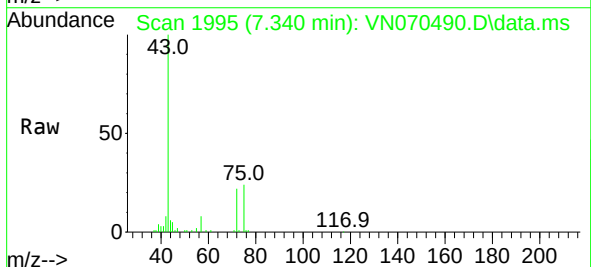
Tgt Ion: 43 Resp: 20073058  
Ion Ratio Lower Upper  
43 100  
58 30.3 23.1 34.7

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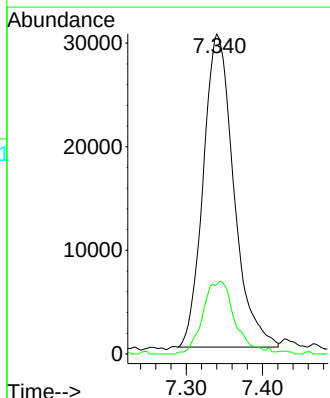
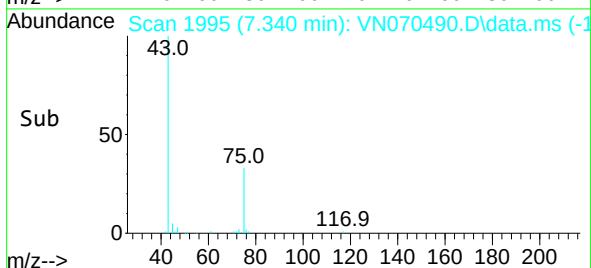
Reviewed By : John Carlone 01/06/2022  
Supervised By : Mahesh Dadoda 01/11/2022

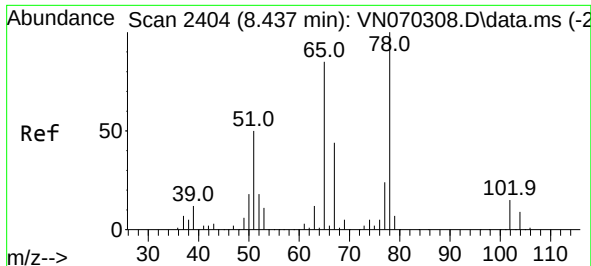


#25  
2-Butanone  
Concen: 7.481 ug/l  
RT: 7.340 min Scan# 1995  
Delta R.T. 0.005 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31



Tgt Ion: 43 Resp: 83775  
Ion Ratio Lower Upper  
43 100  
72 21.6 21.7 32.5#





#33

1,2-Dichloroethane-d4

Concen: 48.422 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070490.D

Acq: 5 Jan 2022 15:31

Instrument :

MSVOA\_N

ClientSampleId :

31239

Tgt Ion: 65 Resp: 66341

Ion Ratio Lower Upper

65 100

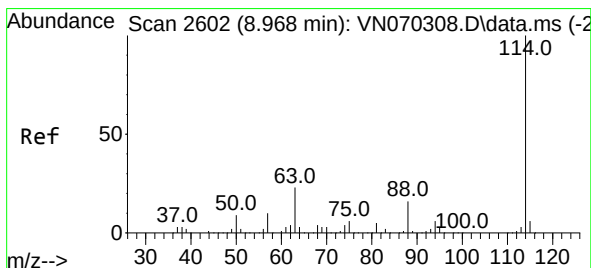
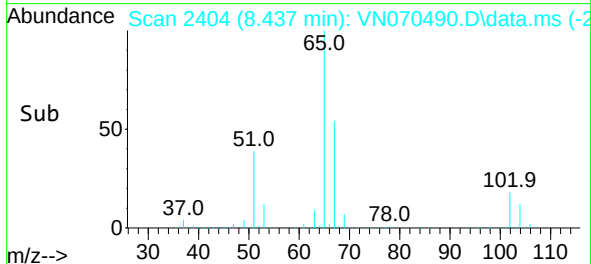
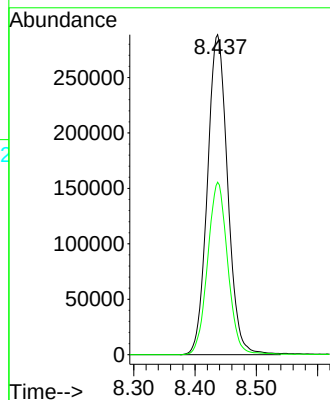
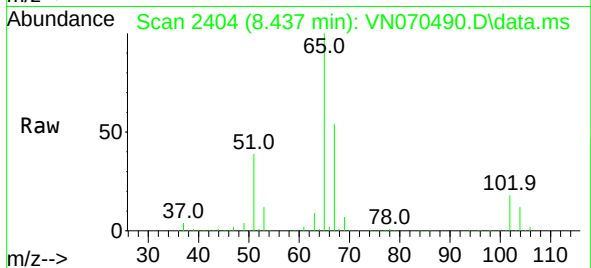
67 53.6 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 01/11/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070490.D

Acq: 5 Jan 2022 15:31

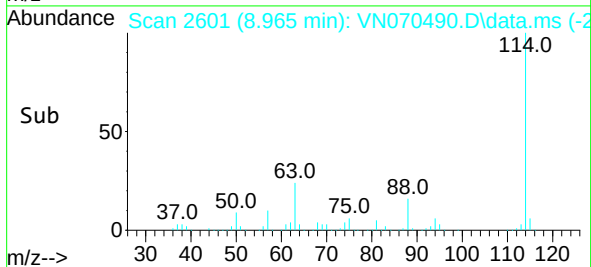
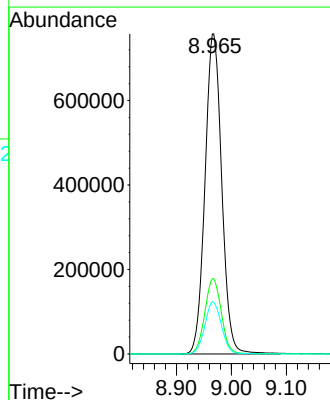
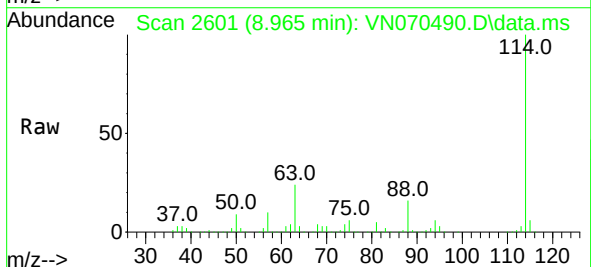
Tgt Ion:114 Resp: 1601741

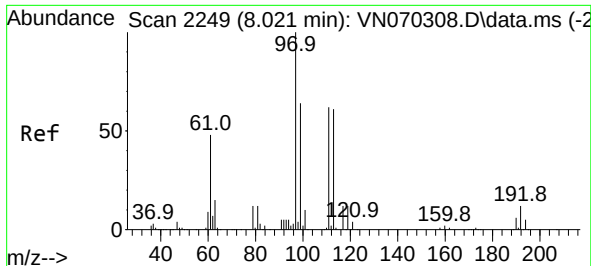
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

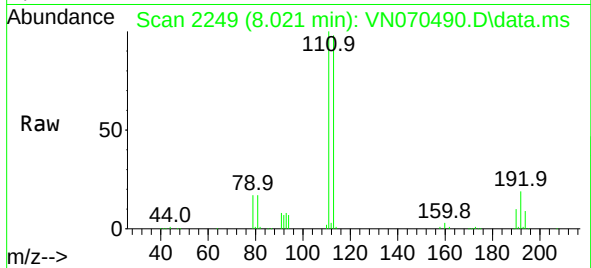
88 16.4 0.0 27.4





#35  
Dibromofluoromethane  
Concen: 47.913 ug/l  
RT: 8.021 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

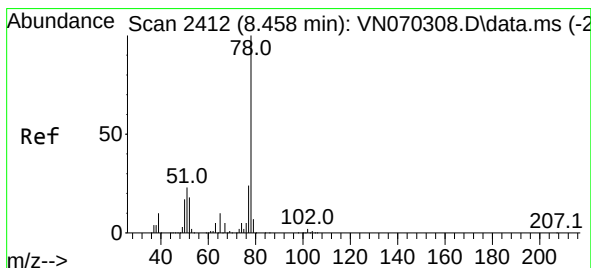
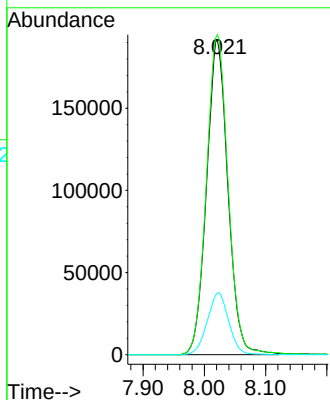
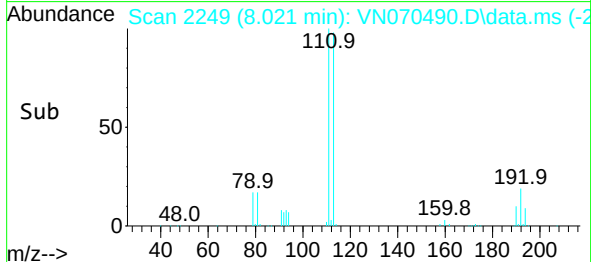
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239



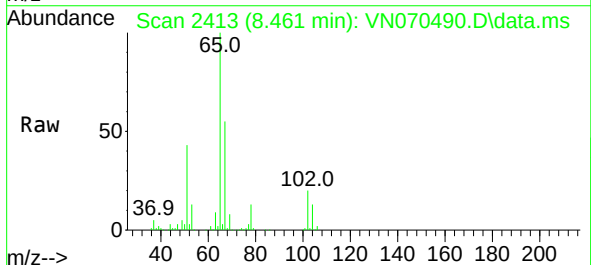
Tgt Ion:113 Resp: 46433  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.2 123.2  
192 19.7 16.9 25.3

Manual Integrations  
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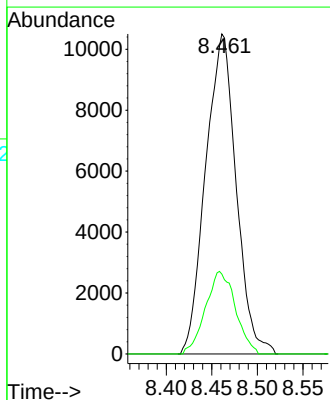
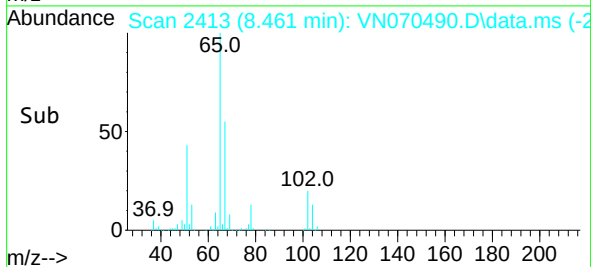
Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022

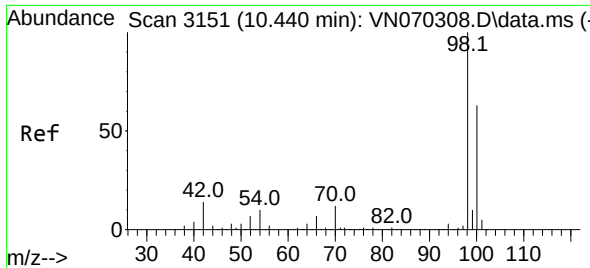


#40  
Benzene  
Concen: 0.497 ug/l  
RT: 8.461 min Scan# 2413  
Delta R.T. 0.003 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31



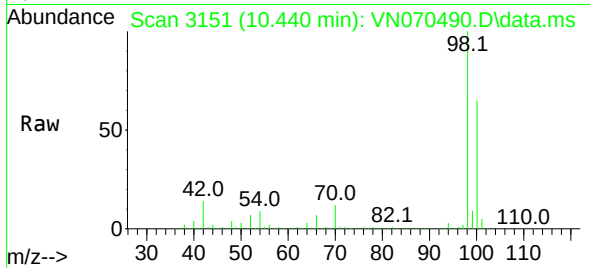
Tgt Ion: 78 Resp: 24452  
Ion Ratio Lower Upper  
78 100  
77 25.0 18.6 27.8





#50  
Toluene-d8  
Concen: 47.859 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

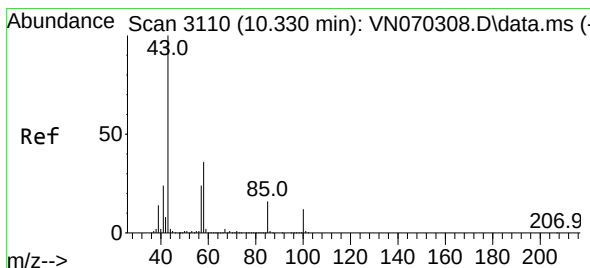
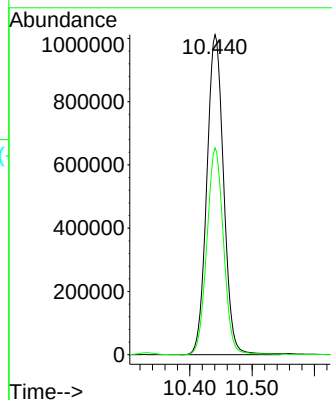
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239



Tgt Ion: 98 Resp: 1894749  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.4 75.6

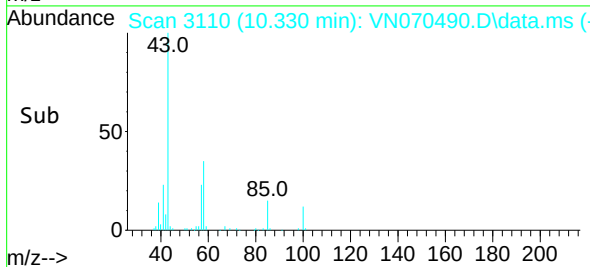
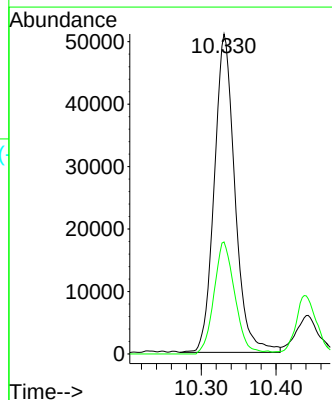
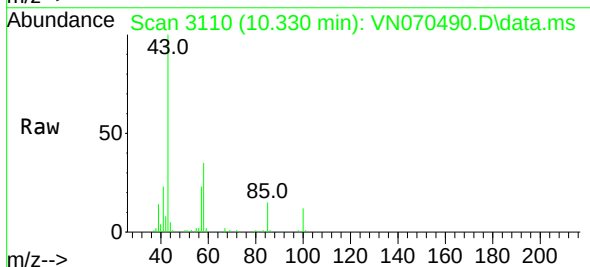
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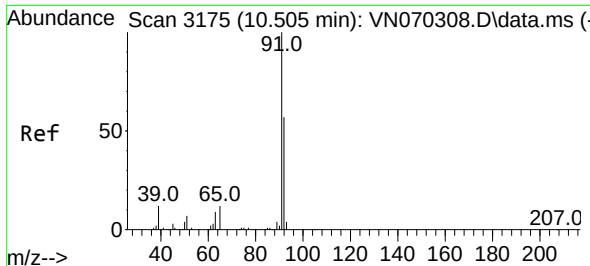
Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#51  
4-Methyl-2-Pentanone  
Concen: 4.756 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. 0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

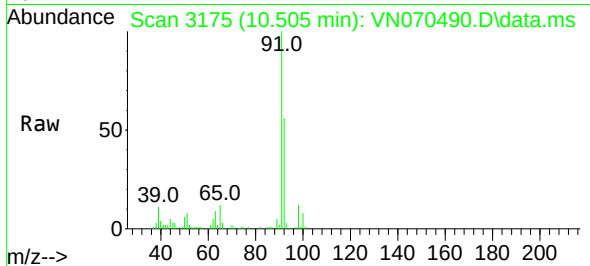
Tgt Ion: 43 Resp: 97905  
Ion Ratio Lower Upper  
43 100  
58 35.4 30.4 45.6





#52  
Toluene  
Concen: 1.492 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

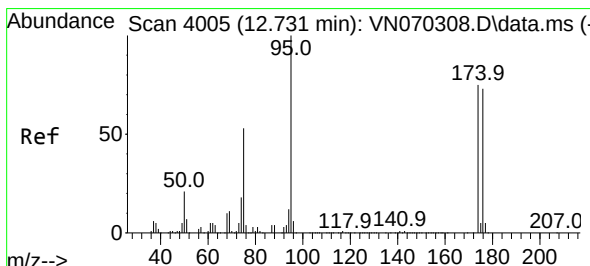
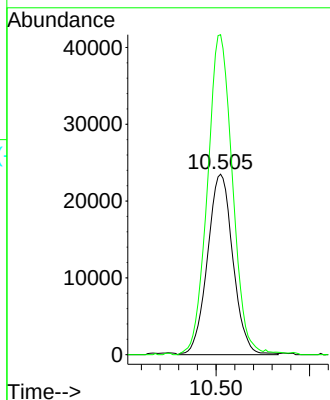
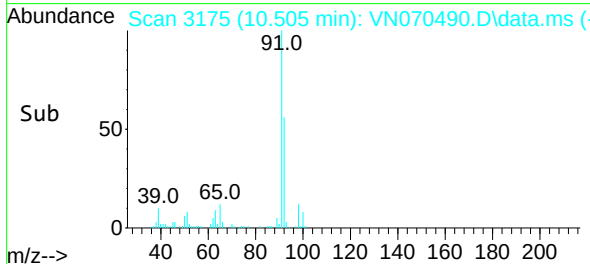
Instrument :  
MSVOA\_N  
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31239



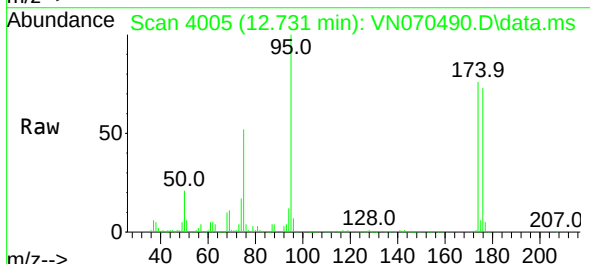
Tgt Ion: 92 Resp: 44374  
Ion Ratio Lower Upper  
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Manual Integrations  
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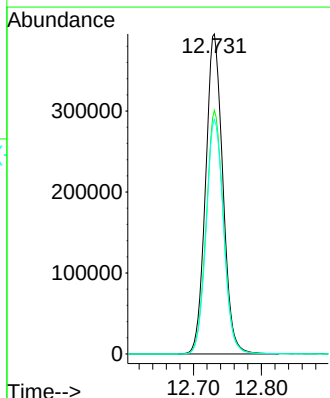
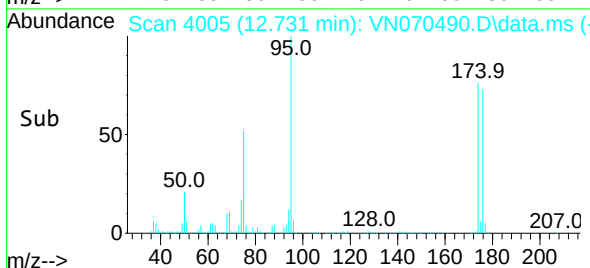
Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022



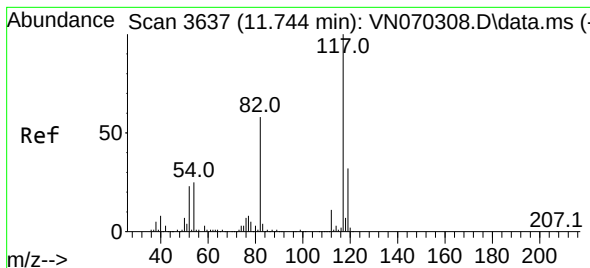
#62  
4-Bromofluorobenzene  
Concen: 48.683 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31



Tgt Ion: 95 Resp: 696120  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 187.2  
176 73.9 0.0 181.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VN070490.D

Acq: 5 Jan 2022 15:31

Instrument :

MSVOA\_N

ClientSampleId :

31239

Tgt Ion:117 Resp: 144264

Ion Ratio Lower Upper

117 100

82 58.8 42.4 63.6

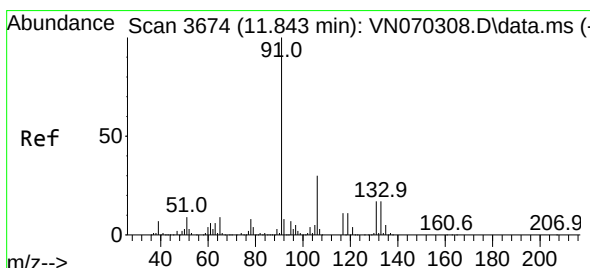
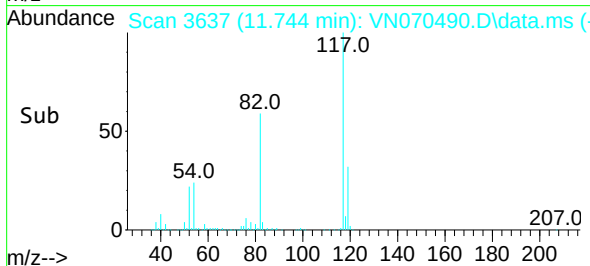
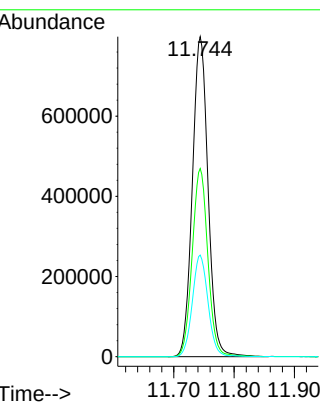
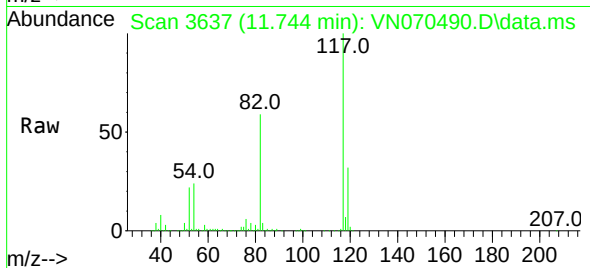
119 31.8 25.4 38.2

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#67

Ethyl Benzene

Concen: 0.365 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.003 min

Lab File: VN070490.D

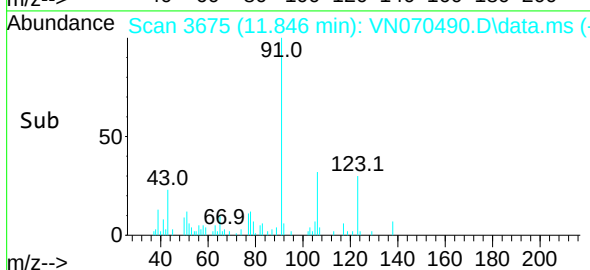
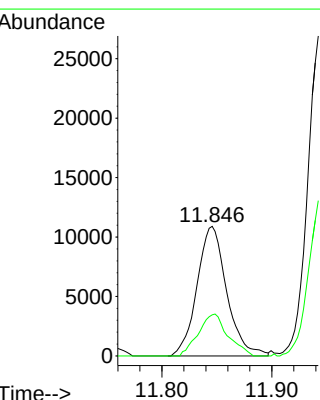
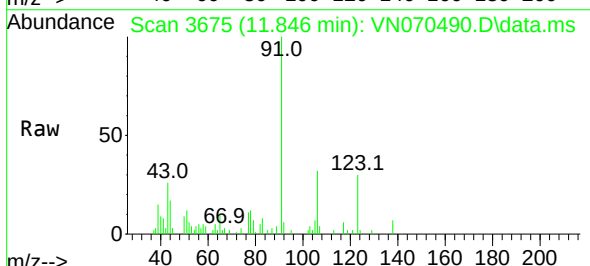
Acq: 5 Jan 2022 15:31

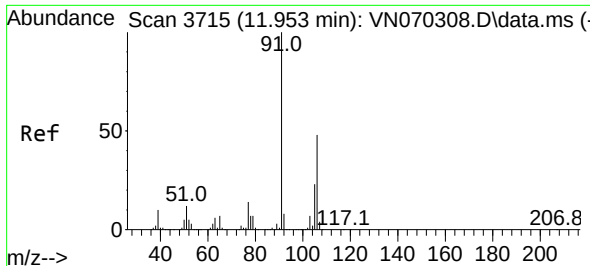
Tgt Ion: 91 Resp: 20467

Ion Ratio Lower Upper

91 100

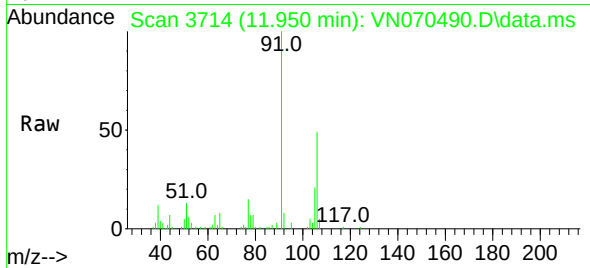
106 31.7 25.7 38.5





#68  
m/p-Xylenes  
Concen: 1.507 ug/l  
RT: 11.950 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

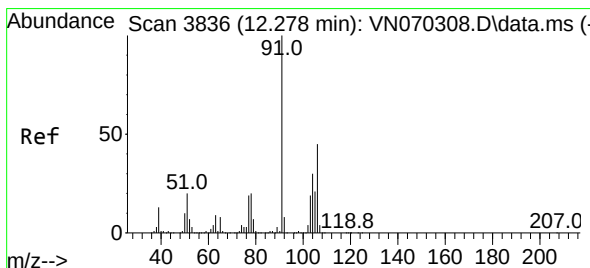
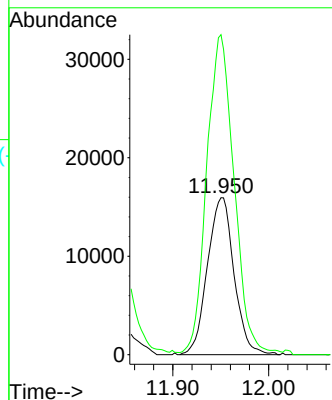
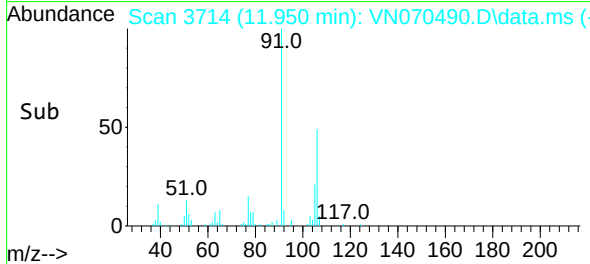
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239



Tgt Ion:106 Resp: 30762  
Ion Ratio Lower Upper  
106 100  
91 207.0 160.6 240.8

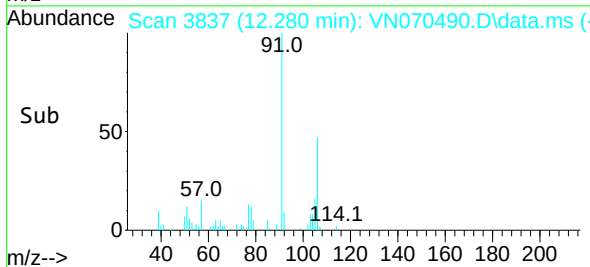
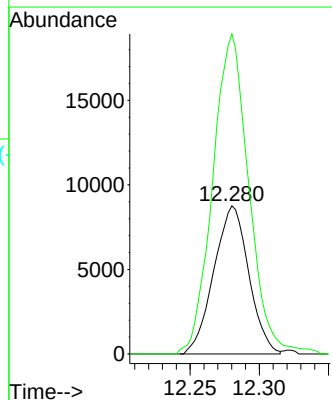
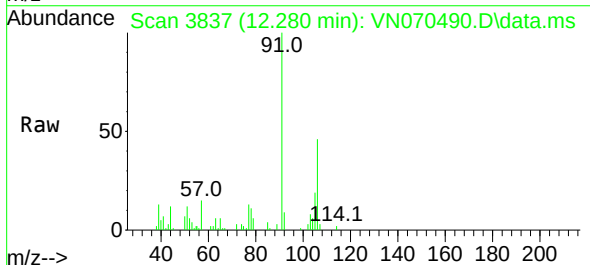
Manual Integrations  
APPROVED

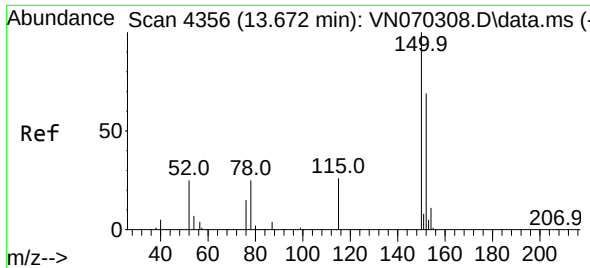
Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#69  
o-Xylene  
Concen: 0.757 ug/l  
RT: 12.280 min Scan# 3837  
Delta R.T. 0.002 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

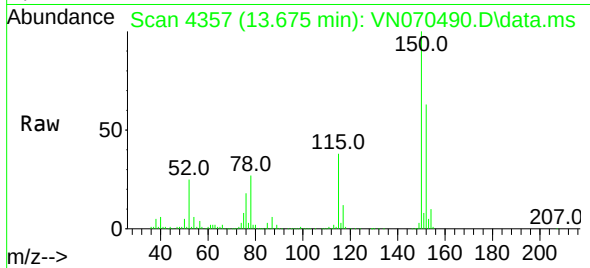
Tgt Ion:106 Resp: 15368  
Ion Ratio Lower Upper  
106 100  
91 223.5 105.8 317.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 411  
 Delta R.T. 0.003 min  
 Lab File: VN070490.D  
 Acq: 5 Jan 2022 15:31

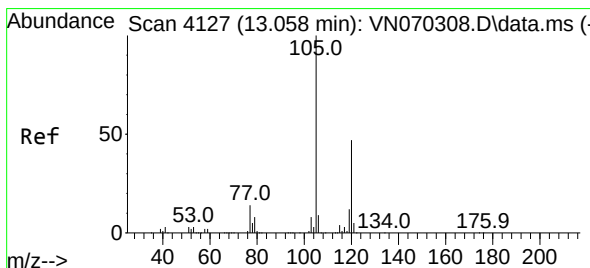
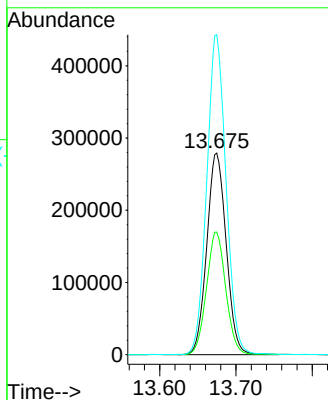
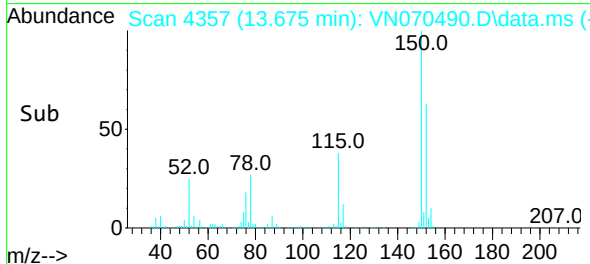
Instrument :  
 MSVOA\_N  
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 31239



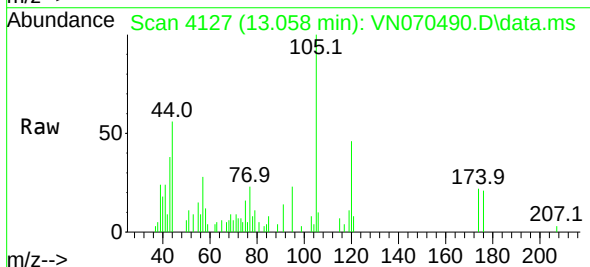
Tgt Ion:152 Resp: 494220  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 27.5 82.5  
 150 157.3 0.0 344.4

Manual Integrations  
 APPROVED

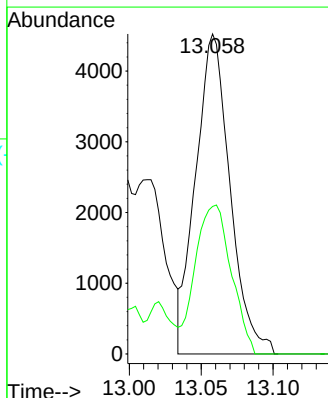
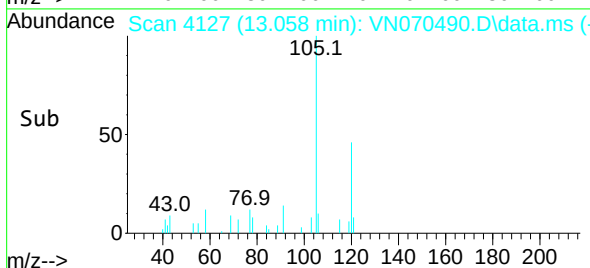
Reviewed By :John Carlone 01/06/2022  
 Supervised By :Mahesh Dadoda 01/11/2022

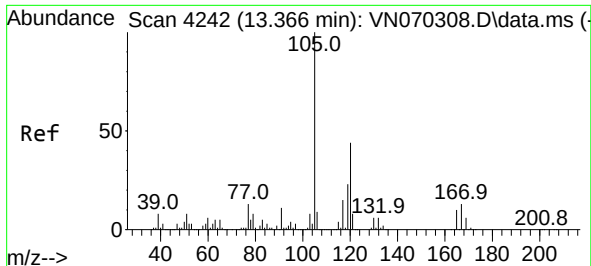


#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.204 ug/l  
 RT: 13.058 min Scan# 4127  
 Delta R.T. -0.000 min  
 Lab File: VN070490.D  
 Acq: 5 Jan 2022 15:31



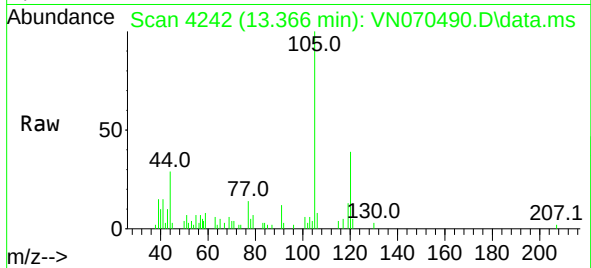
Tgt Ion:105 Resp: 7521  
 Ion Ratio Lower Upper  
 105 100  
 120 49.0 24.6 73.6





#84  
1,2,4-Trimethylbenzene  
Concen: 0.458 ug/l  
RT: 13.366 min Scan# 4242  
Delta R.T. 0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31

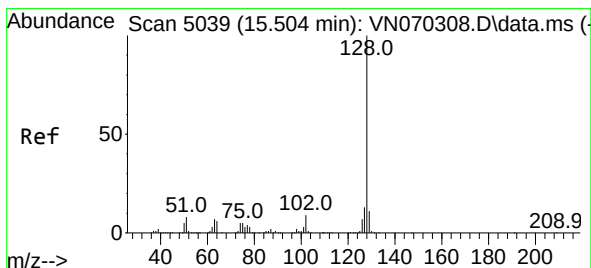
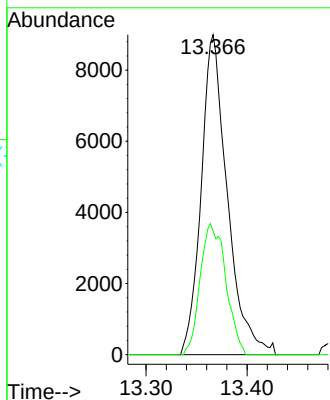
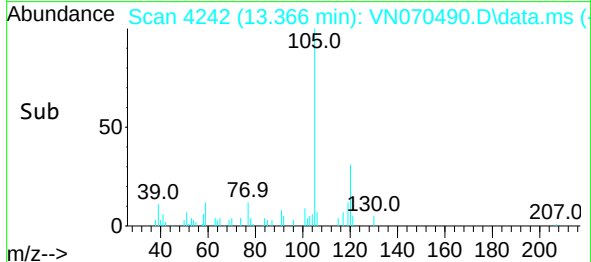
Instrument :  
MSVOA\_N  
ClientSampleId :  
31239



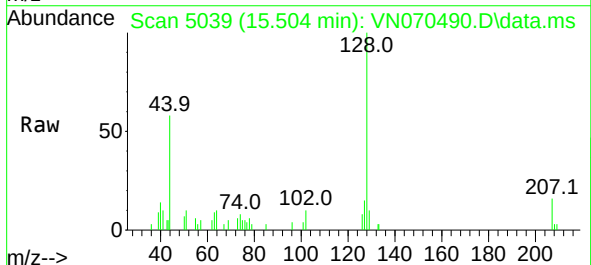
Tgt Ion:105 Resp: 1620  
Ion Ratio Lower Upper  
105 100  
120 40.1 22.8 68.4

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/06/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#95  
Naphthalene  
Concen: 2.352 ug/l  
RT: 15.504 min Scan# 5039  
Delta R.T. -0.000 min  
Lab File: VN070490.D  
Acq: 5 Jan 2022 15:31



Tgt Ion:128 Resp: 12971  
Ion Ratio Lower Upper  
128 100  
127 14.3 10.5 15.7  
129 9.0 8.7 13.1

