

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080923\  
 Data File : VY015014.D  
 Acq On : 09 Aug 2023 18:40  
 Operator : SY/MD  
 Sample : 03956-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-PP22

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 08/10/2023  
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:50:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 08 07:44:56 2023  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 14856      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 23430      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 20906      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422         | 152  | 9281       | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142          | 65   | 8305       | 46.124  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 92.240% |        |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 4873       | 32.524  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 65.040% |        |          |
| 50) Toluene-d8              | 10.179         | 98   | 26744      | 46.896  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = | 93.800% |        |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 9454       | 46.774  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = | 93.540% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         | Qvalue |          |
| 40) Benzene                 | 8.167          | 78   | 4377       | 7.991   | ug/l # | 89       |
| 67) Ethyl Benzene           | 11.587         | 91   | 43212      | 62.069  | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.697         | 106  | 12628      | 47.416  | ug/l   | 91       |
| 69) o-Xylene                | 12.026         | 106  | 7819       | 30.004  | ug/l   | 89       |
| 73) Isopropylbenzene        | 12.325         | 105  | 6736       | 10.797  | ug/l   | 100      |
| 78) n-propylbenzene         | 12.672         | 91   | 4124       | 5.527   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 10679      | 20.771  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.117         | 105  | 37224      | 72.265  | ug/l   | 97       |
| 86) p-Isopropyltoluene      | 13.367         | 119  | 3085       | 5.399   | ug/l   | 88       |
| 89) n-Butylbenzene          | 13.690         | 91   | 1356m      | 2.526   | ug/l   |          |
| -----                       |                |      |            |         |        |          |

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

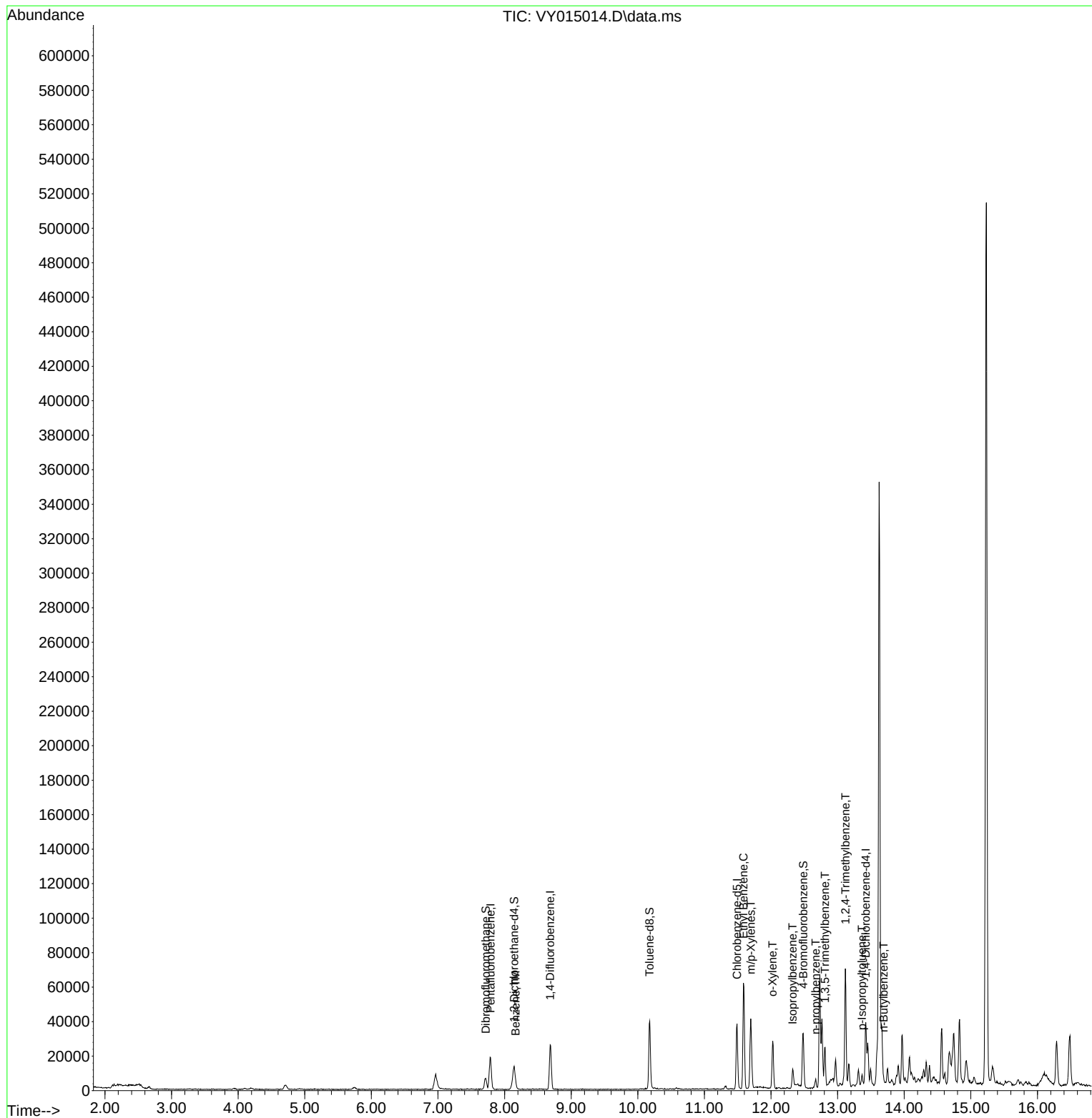
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080923\  
Data File : VY015014.D  
Acq On : 09 Aug 2023 18:40  
Operator : SY/MD  
Sample : 03956-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

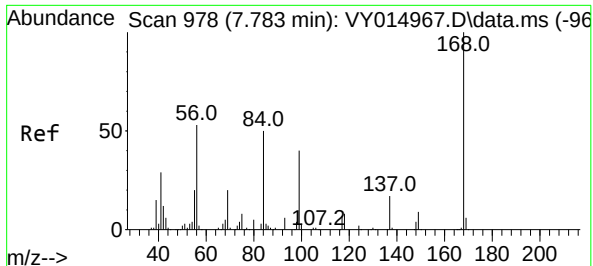
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22

Quant Time: Aug 10 01:50:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 08 07:44:56 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

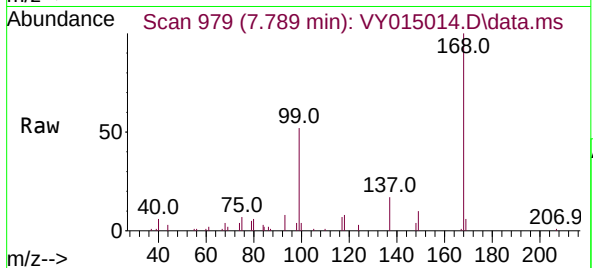
Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

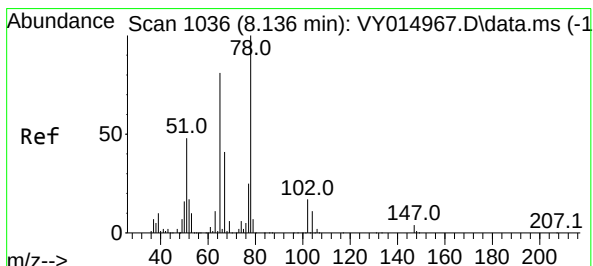
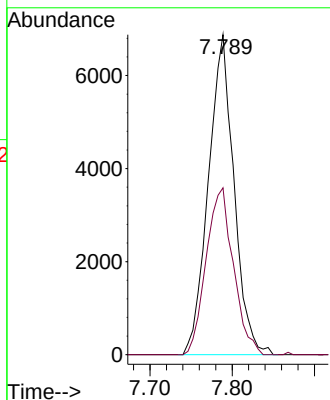
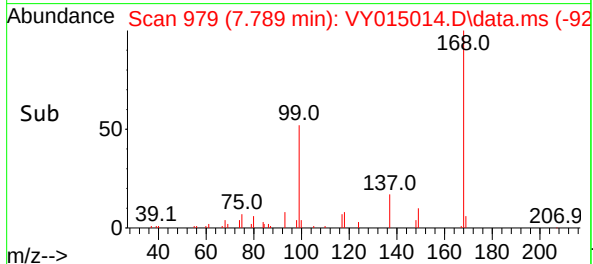
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22



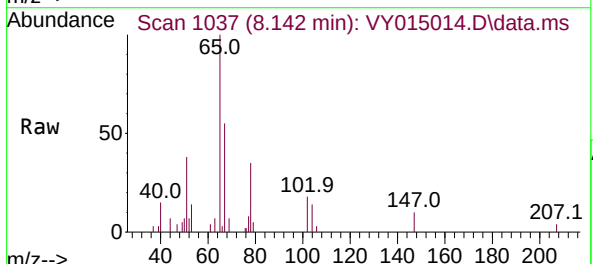
Tgt Ion:168 Resp: 1485  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0

Manual Integrations  
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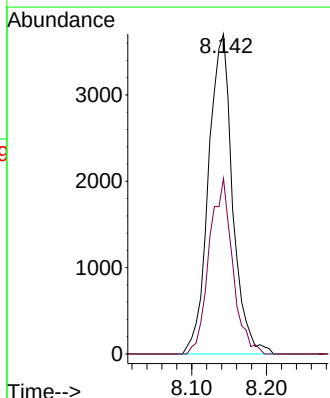
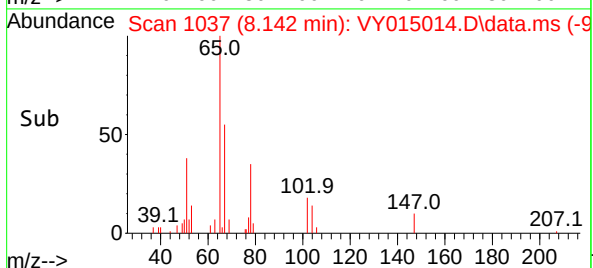
Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023

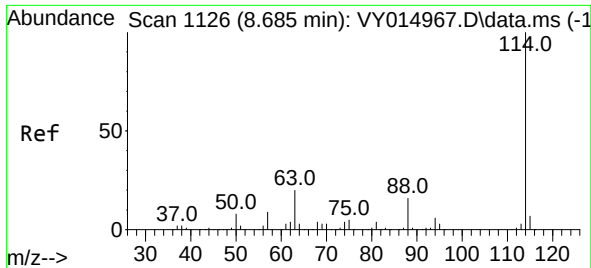


#33  
1,2-Dichloroethane-d4  
Concen: 46.124 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40



Tgt Ion: 65 Resp: 8305  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015014.D

Acq: 09 Aug 2023 18:40

Instrument :

MSVOA\_Y

ClientSampleId :

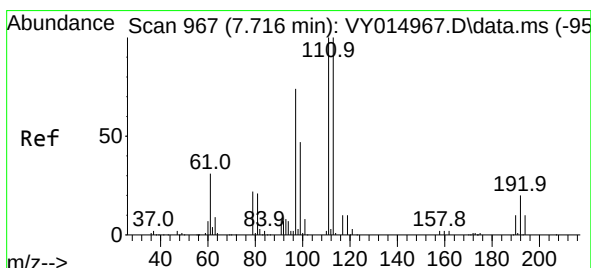
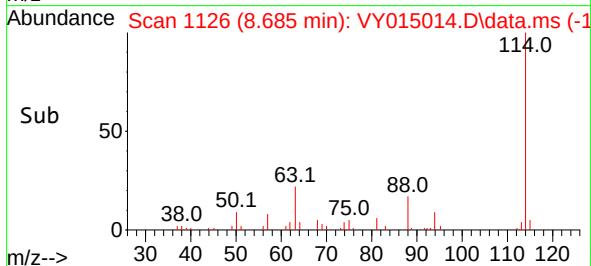
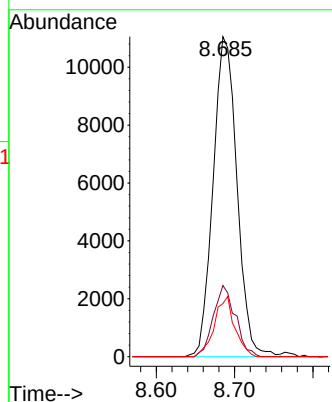
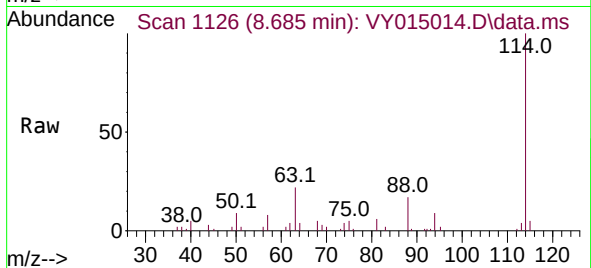
B-PP22

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 23430    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 22.2  | 0.0 42.4 |
| 88          | 16.6  | 0.0 30.6 |

Manual Integrations

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Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023



#35

Dibromofluoromethane

Concen: 32.524 ug/l

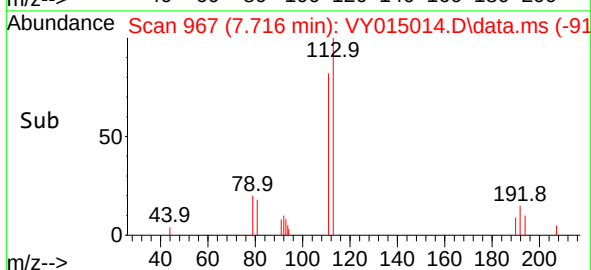
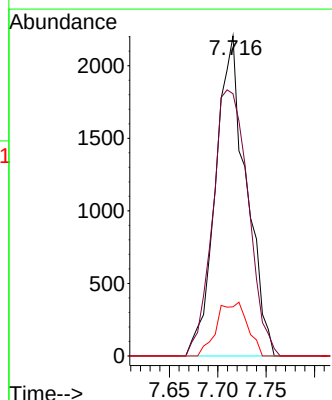
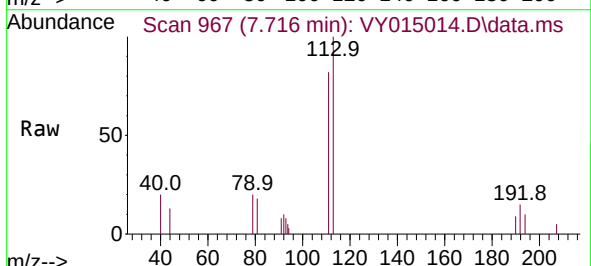
RT: 7.716 min Scan# 967

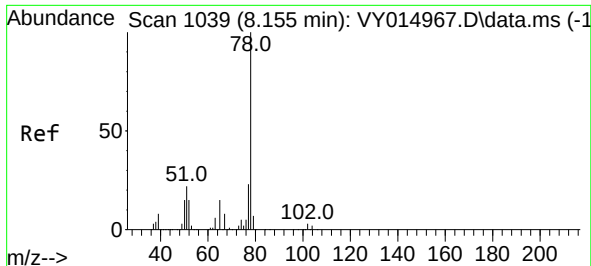
Delta R.T. -0.000 min

Lab File: VY015014.D

Acq: 09 Aug 2023 18:40

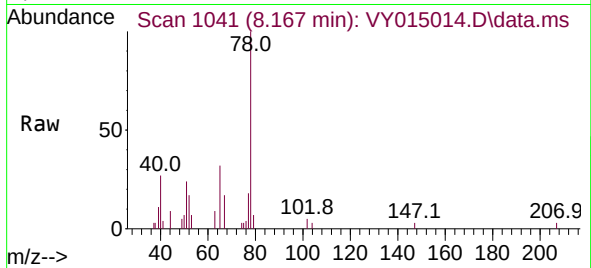
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 4873       |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 96.2  | 81.3 121.9 |
| 192         | 16.7  | 16.9 25.3  |





#40  
Benzene  
Concen: 7.991 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

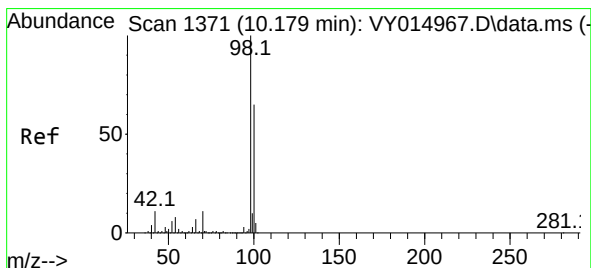
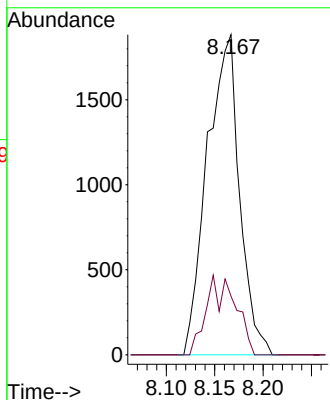
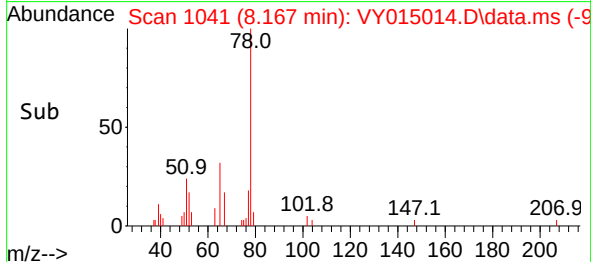
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22



Tgt Ion: 78 Resp: 437  
Ion Ratio Lower Upper  
78 100  
77 18.3 19.0 28.6

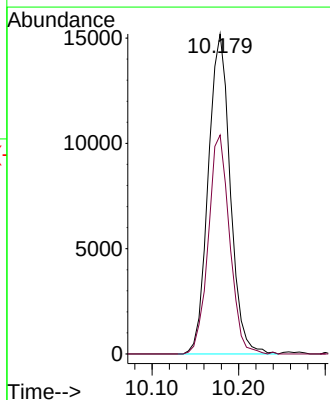
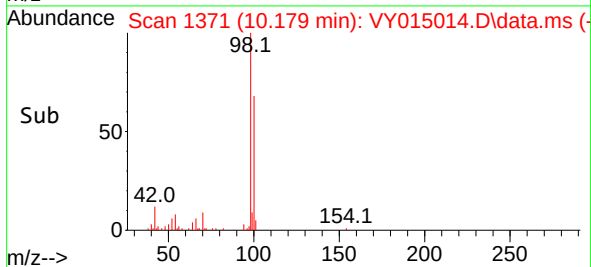
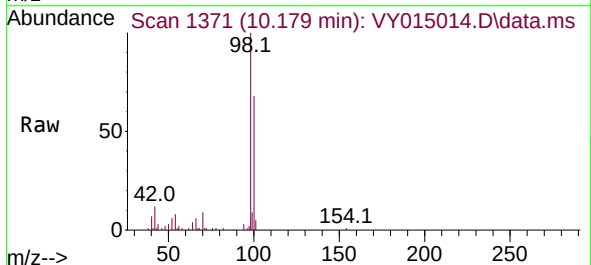
Manual Integrations  
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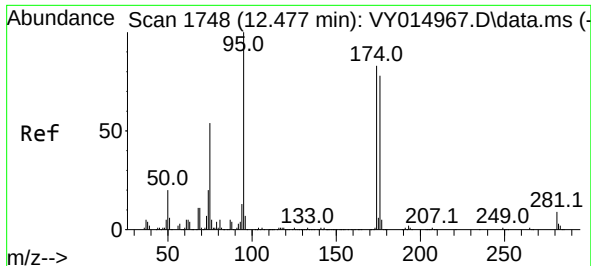
Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023



#50  
Toluene-d8  
Concen: 46.896 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

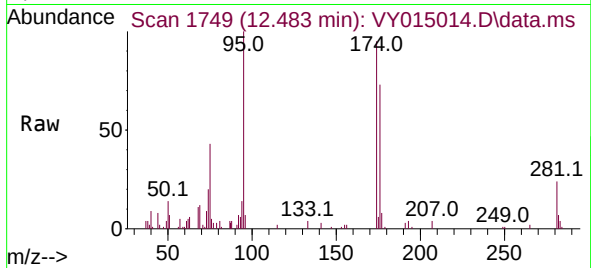
Tgt Ion: 98 Resp: 26744  
Ion Ratio Lower Upper  
98 100  
100 66.4 50.1 75.1





#62  
4-Bromofluorobenzene  
Concen: 46.774 ug/l  
RT: 12.483 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

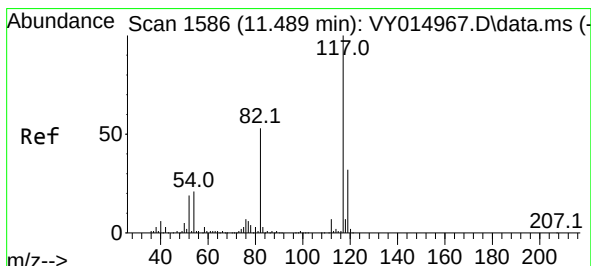
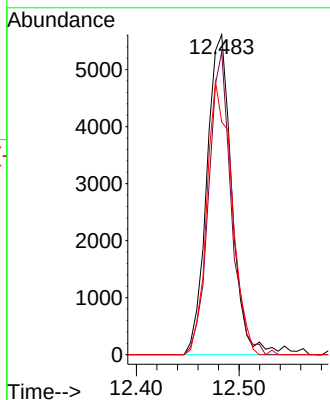
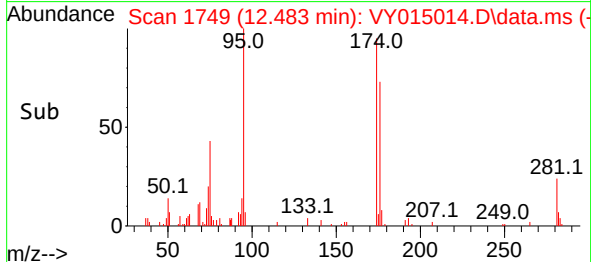
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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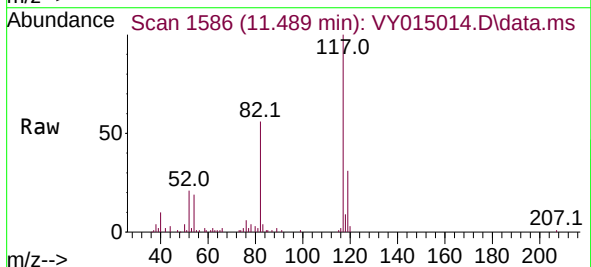
Tgt Ion: 95 Resp: 9454  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 178.2  
176 85.6 0.0 173.8

Manual Integrations  
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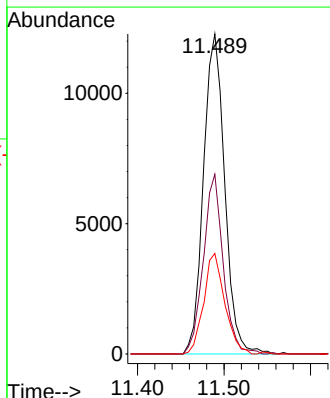
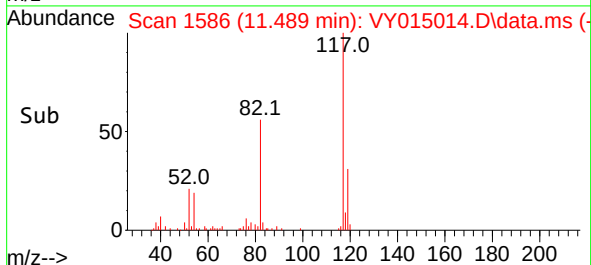
Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023

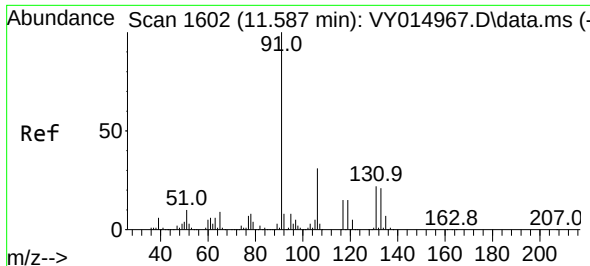


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40



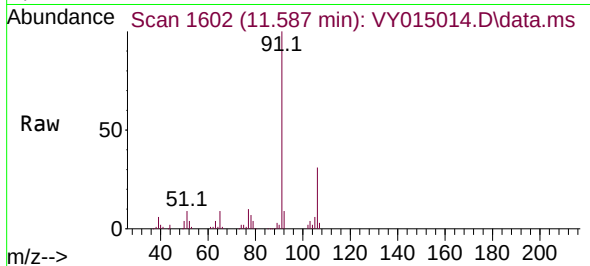
Tgt Ion:117 Resp: 20906  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.4 65.0  
119 31.4 26.3 39.5





#67  
Ethyl Benzene  
Concen: 62.069 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

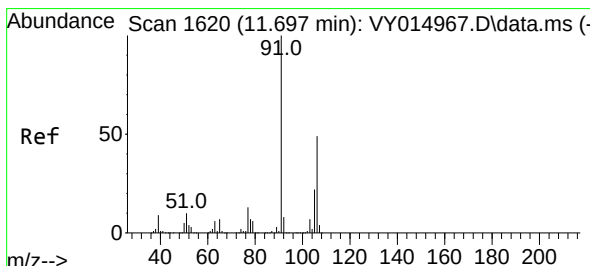
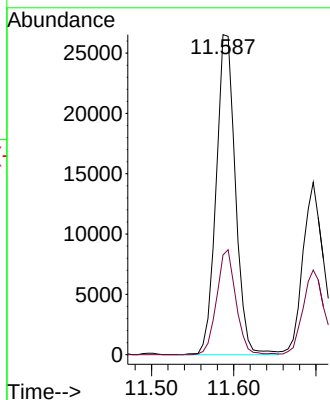
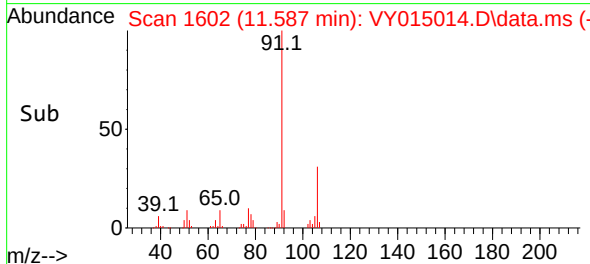
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22



Tgt Ion: 91 Resp: 4321  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.6 36.8

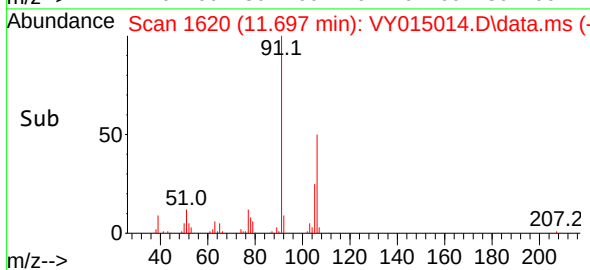
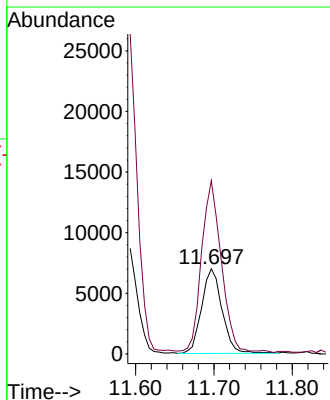
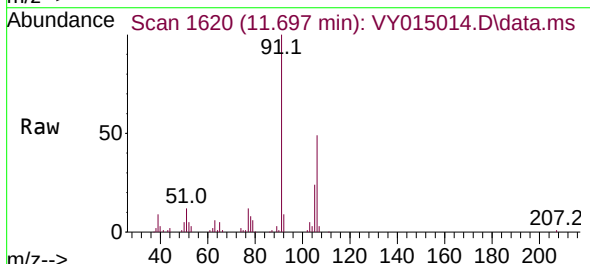
Manual Integrations  
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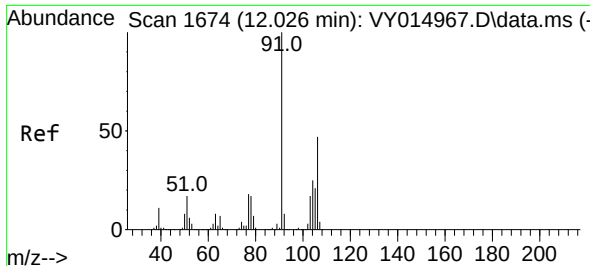
Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023



#68  
m/p-Xylenes  
Concen: 47.416 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

Tgt Ion:106 Resp: 12628  
Ion Ratio Lower Upper  
106 100  
91 193.8 166.1 249.1





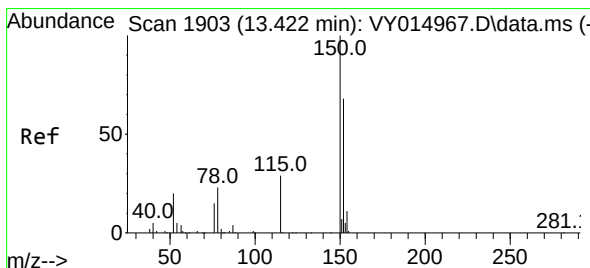
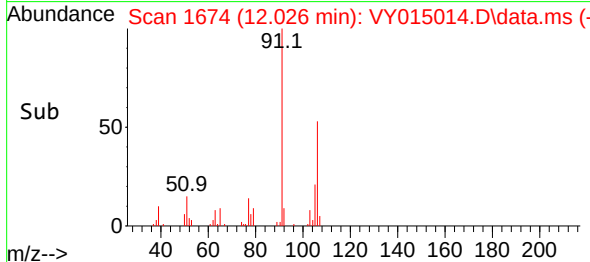
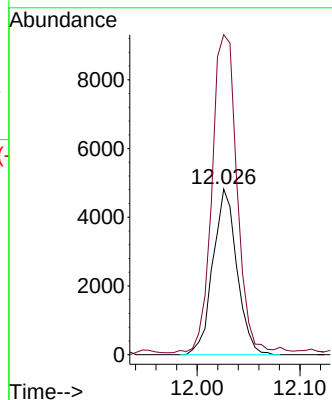
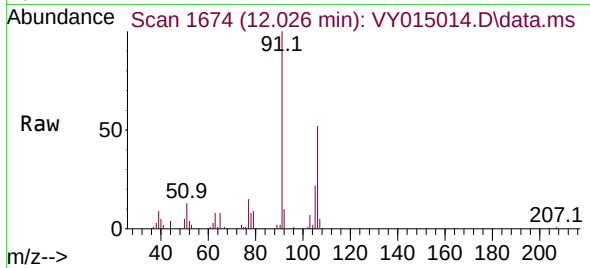
#69  
o-Xylene  
Concen: 30.004 ug/l  
RT: 12.026 min Scan# 106  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22

Tgt Ion:106 Resp: 7819  
Ion Ratio Lower Upper  
106 100  
91 199.4 108.1 324.3

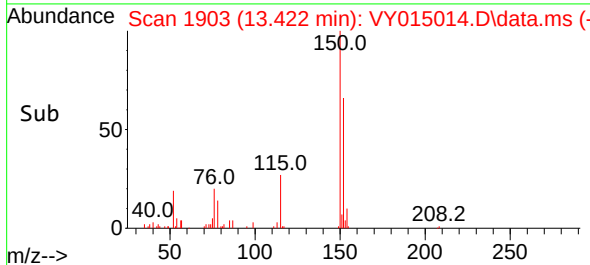
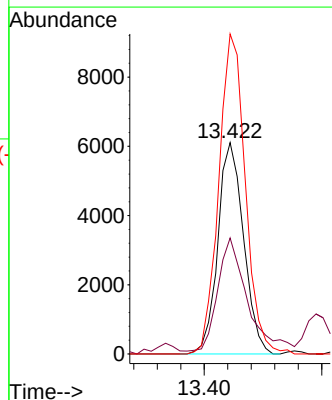
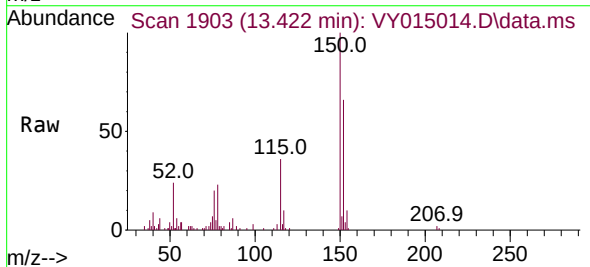
Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023

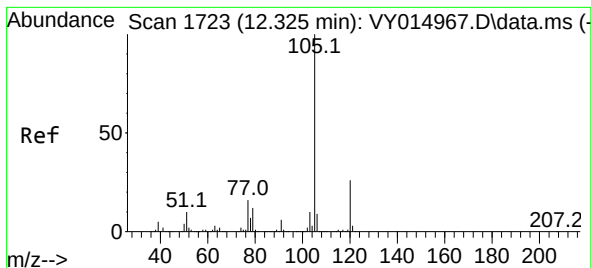


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

Tgt Ion:152 Resp: 9281  
Ion Ratio Lower Upper  
152 100  
115 61.0 28.8 86.5  
150 156.5 0.0 348.8







#73

Isopropylbenzene

Concen: 10.797 ug/l

RT: 12.325 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015014.D

Acq: 09 Aug 2023 18:40

Instrument :

MSVOA\_Y

ClientSampleId :

B-PP22

Tgt Ion:105 Resp: 6730

Ion Ratio Lower Upper

105 100

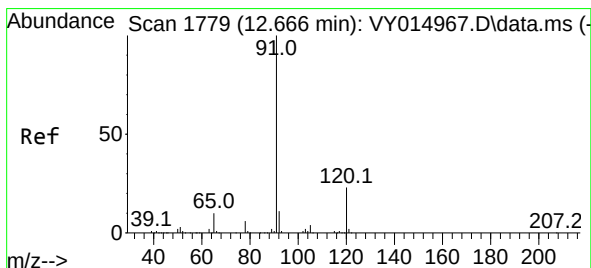
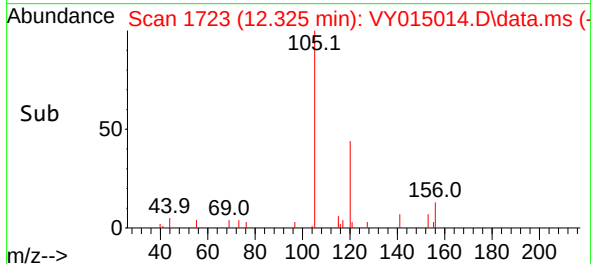
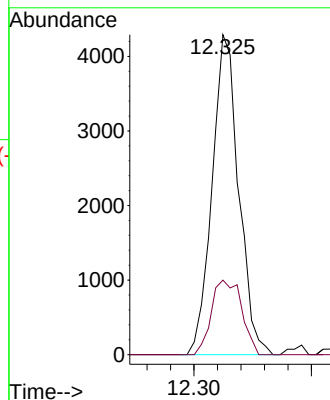
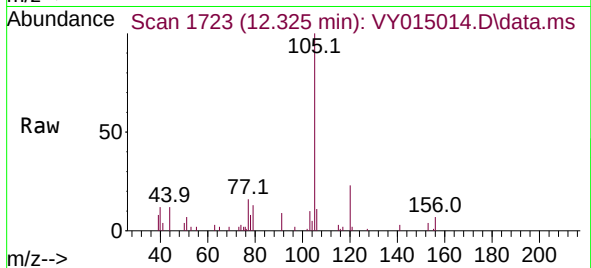
120 26.5 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#78

n-propylbenzene

Concen: 5.527 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015014.D

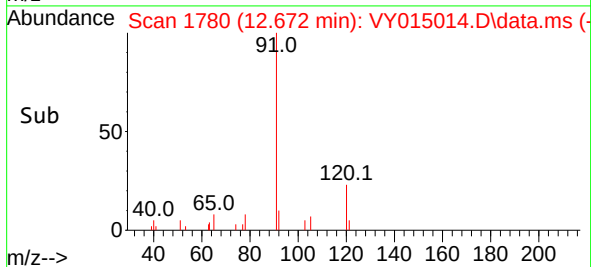
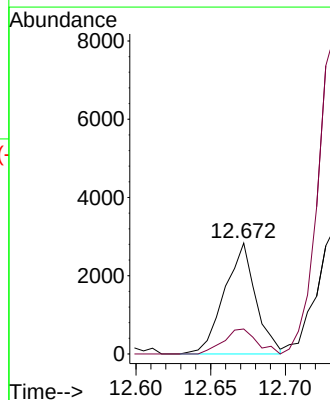
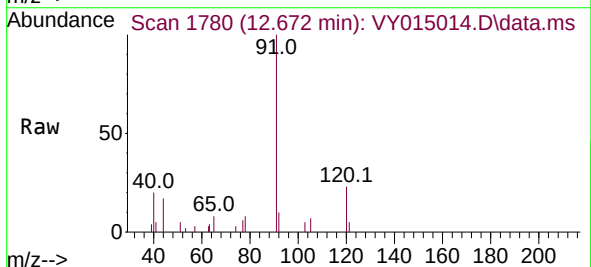
Acq: 09 Aug 2023 18:40

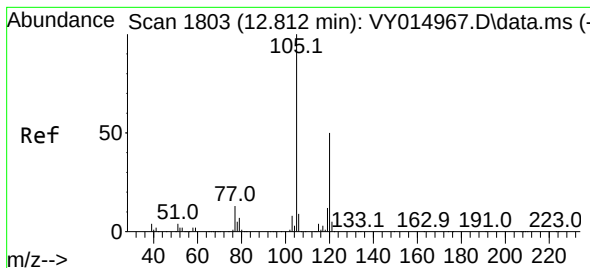
Tgt Ion: 91 Resp: 4124

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 20.771 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY015014.D

Acq: 09 Aug 2023 18:40

Instrument :

MSVOA\_Y

ClientSampleId :

B-PP22

Tgt Ion:105 Resp: 10679

Ion Ratio Lower Upper

105 100

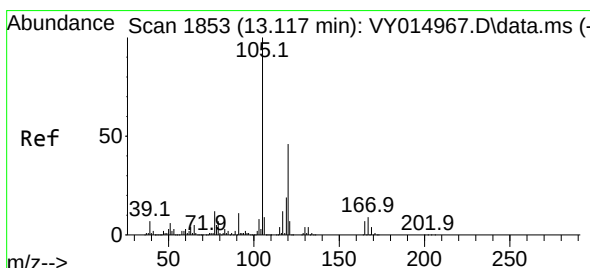
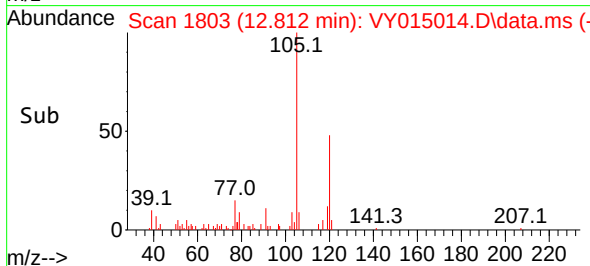
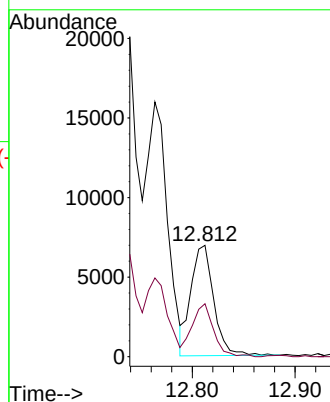
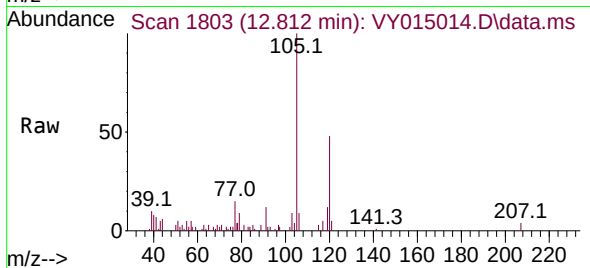
120 45.9 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#84

1,2,4-Trimethylbenzene

Concen: 72.265 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY015014.D

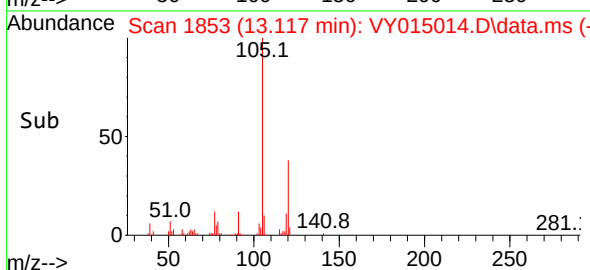
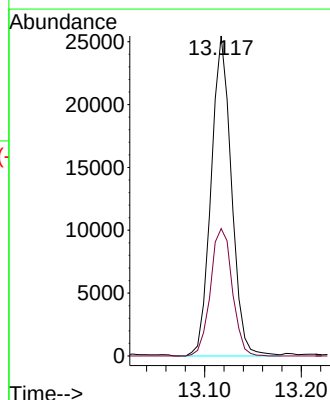
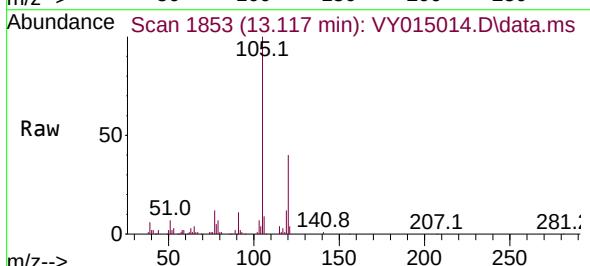
Acq: 09 Aug 2023 18:40

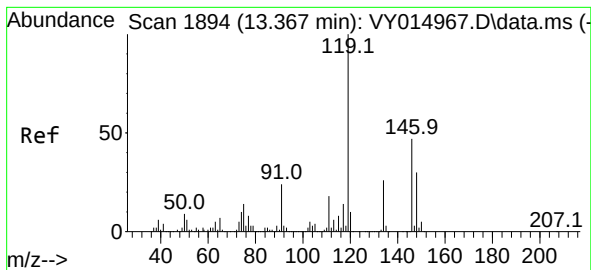
Tgt Ion:105 Resp: 37224

Ion Ratio Lower Upper

105 100

120 42.5 22.2 66.6





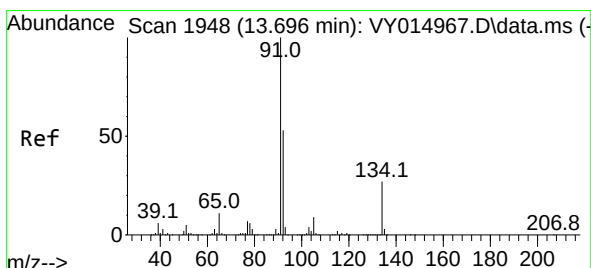
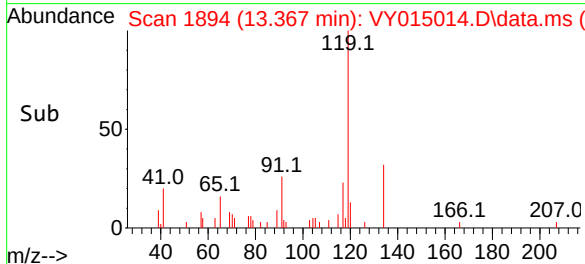
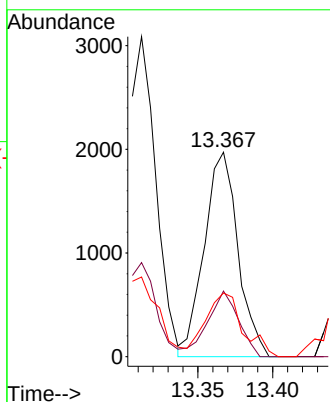
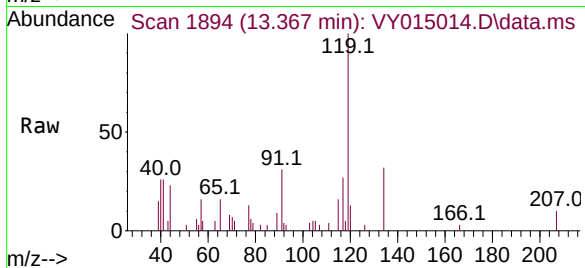
#86  
p-Isopropyltoluene  
Concen: 5.399 ug/l  
RT: 13.367 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PP22

Tgt Ion: 119 Resp: 3085  
Ion Ratio Lower Upper  
119 100  
134 29.7 13.3 39.8  
91 34.2 12.4 37.4

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 08/10/2023  
Supervised By :Mahesh Dadoda 08/10/2023



#89  
n-Butylbenzene  
Concen: 2.526 ug/l m  
RT: 13.690 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: VY015014.D  
Acq: 09 Aug 2023 18:40

Tgt Ion: 91 Resp: 1356  
Ion Ratio Lower Upper  
91 100  
92 217.5 25.4 76.0#  
134 0.0 12.6 37.6#

