

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011422\  
 Data File : VY007172.D  
 Acq On : 14 Jan 2022 16:31  
 Operator : SY/MD  
 Sample : N1143-05  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WEST-BOILER-ROOM-NORTH-SIDEWALL

Quant Time: Jan 17 04:55:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 01/17/2022  
 Supervised By :Mahesh Dadoda 01/17/2022

| Compound                    | R.T.           | QIon | Response   | Conc       | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|------------|-------|----------|
| -----                       |                |      |            |            |       |          |
| Internal Standards          |                |      |            |            |       |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 74928      | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 131590     | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 97728      | 50.000     | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.410         | 152  | 193860m    | 50.000     | ug/l  | -0.02    |
|                             |                |      |            |            |       |          |
| System Monitoring Compounds |                |      |            |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136          | 65   | 42913      | 46.676     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 93.360%    |       |          |
| 35) Dibromofluoromethane    | 7.710          | 113  | 42011      | 47.214     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 94.420%    |       |          |
| 50) Toluene-d8              | 10.179         | 98   | 169846     | 52.240     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 104.480%   |       |          |
| 62) 4-Bromofluorobenzene    | 12.465         | 95   | 2177510    | 1882.812   | ug/l  | -0.02    |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 3765.620%# |       |          |
|                             |                |      |            |            |       |          |
| Target Compounds            |                |      |            |            |       |          |
|                             |                |      |            |            |       | Qvalue   |
| 16) Acetone                 | 3.954          | 43   | 7780       | 32.607     | ug/l  | 94       |
| 17) Carbon Disulfide        | 4.186          | 76   | 3203       | 1.360      | ug/l  | 98       |
| 31) Cyclohexane             | 7.777          | 56   | 6106       | 3.928      | ug/l  | # 83     |
| 39) Methylcyclohexane       | 9.179          | 83   | 52633      | 30.334     | ug/l  | 93       |
| 65) Chlorobenzene           | 11.514         | 112  | 18146      | 8.492      | ug/l  | 98       |
| 67) Ethyl Benzene           | 11.593         | 91   | 303916     | 75.671     | ug/l  | 99       |
| 68) m/p-Xylenes             | 11.715         | 106  | 9809       | 6.572      | ug/l  | # 1      |
| 73) Isopropylbenzene        | 12.343         | 105  | 346289     | 20.682     | ug/l  | 98       |
| 78) n-propylbenzene         | 12.684         | 91   | 1229587    | 59.239     | ug/l  | 95       |
| 80) 1,3,5-Trimethylbenzene  | 12.782         | 105  | 160899     | 11.703     | ug/l  | # 63     |
| 83) tert-Butylbenzene       | 13.087         | 119  | 196231     | 16.519     | ug/l  | # 69     |
| 84) 1,2,4-Trimethylbenzene  | 13.129         | 105  | 966943     | 70.956     | ug/l  | 100      |
| 85) sec-Butylbenzene        | 13.263         | 105  | 1488094    | 83.732     | ug/l  | # 63     |
| 86) p-Isopropyltoluene      | 13.379         | 119  | 196952     | 13.485     | ug/l  | 98       |
| 89) n-Butylbenzene          | 13.696         | 91   | 803995     | 55.910     | ug/l  | # 80     |
| -----                       |                |      |            |            |       |          |

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

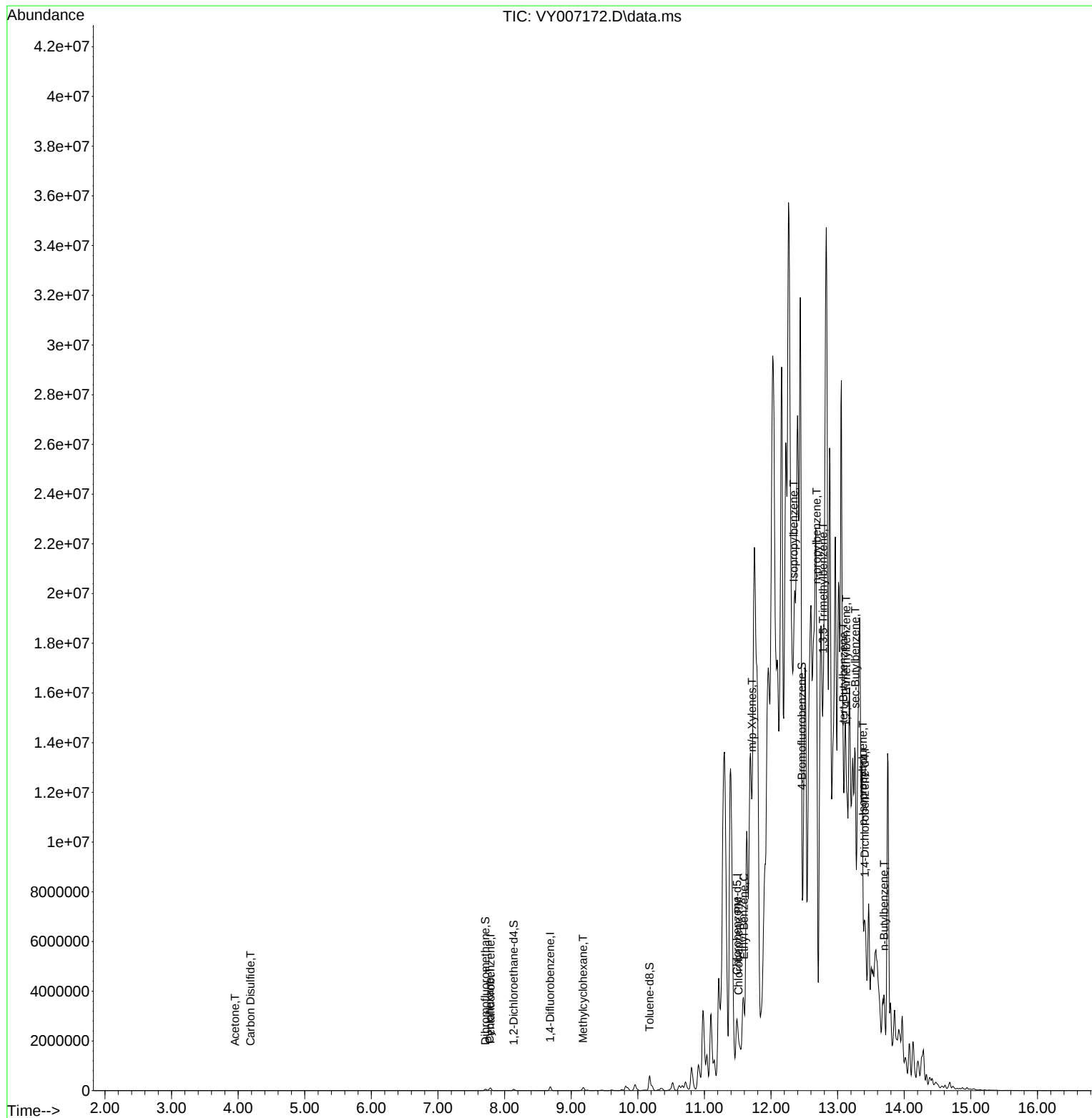
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011422\  
Data File : VY007172.D  
Acq On : 14 Jan 2022 16:31  
Operator : SY/MD  
Sample : N1143-05  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

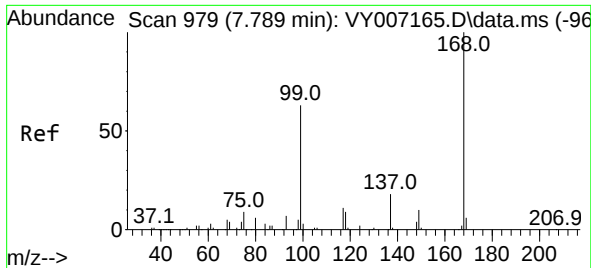
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WEST-BOILER-ROOM-NORTH-SIDEWALL

Quant Time: Jan 17 04:55:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

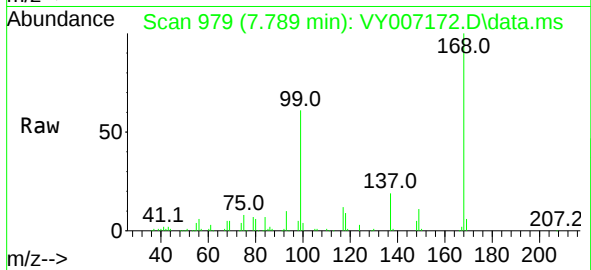
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

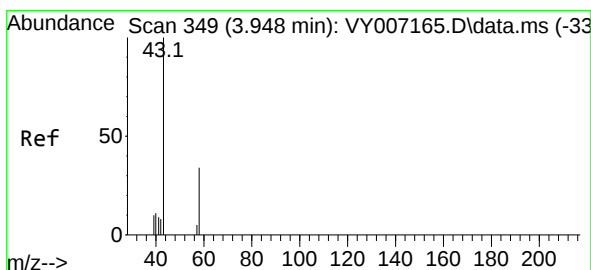
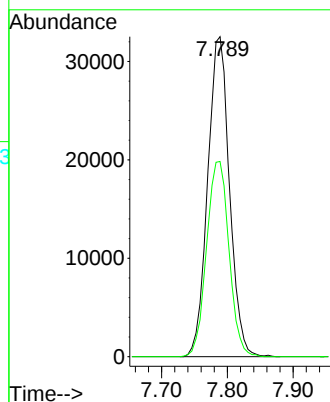
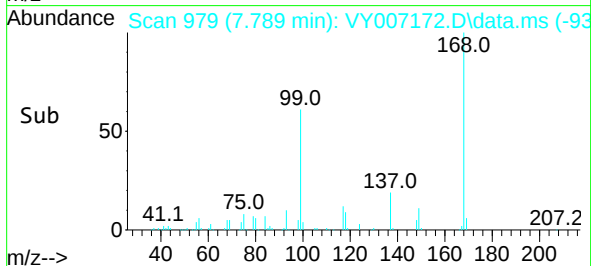
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WEST-BOILER-ROOM-NORTH-SIDEWALL



Tgt Ion:168 Resp: 74928  
Ion Ratio Lower Upper  
168 100  
99 61.0 49.1 73.7

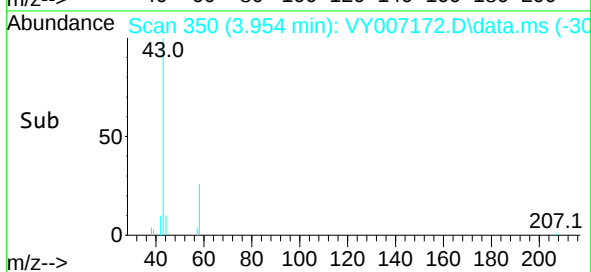
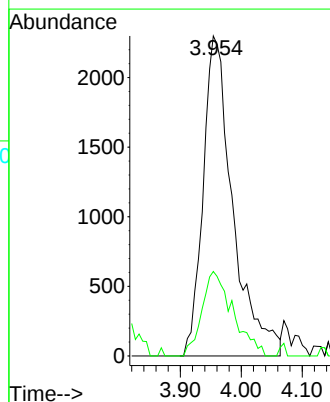
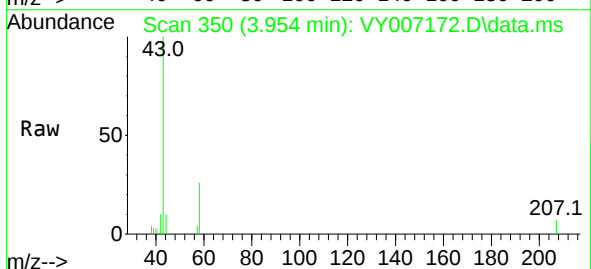
Manual Integrations  
APPROVED

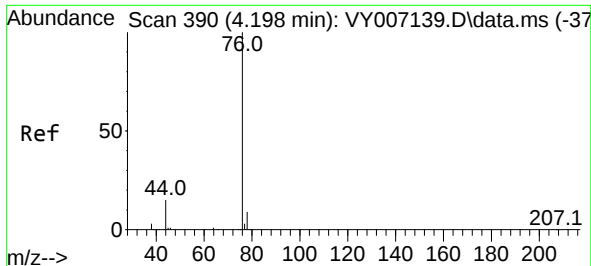
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022



#16  
Acetone  
Concen: 32.607 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

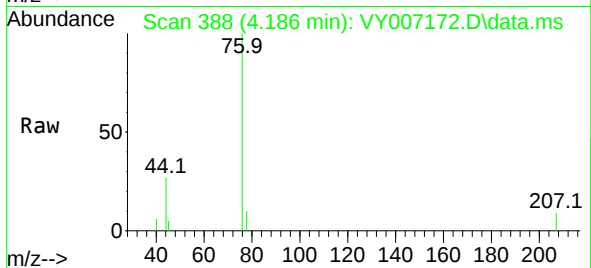
Tgt Ion: 43 Resp: 7780  
Ion Ratio Lower Upper  
43 100  
58 26.4 23.8 35.6





#17  
Carbon Disulfide  
Concen: 1.360 ug/l  
RT: 4.186 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

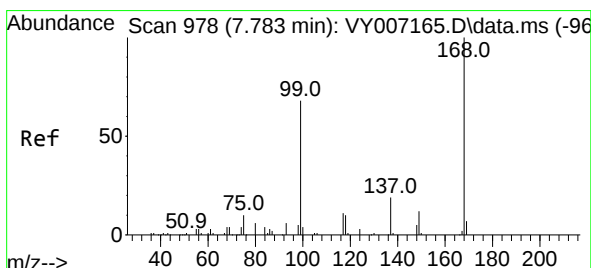
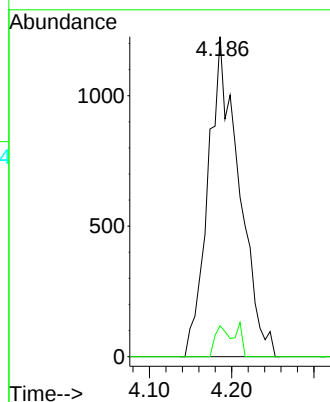
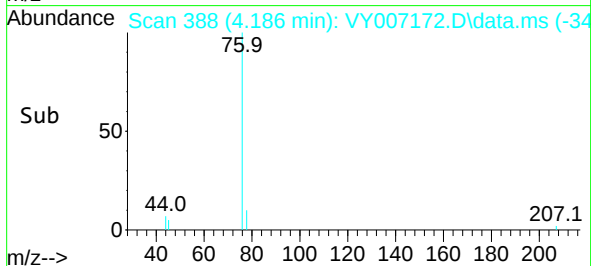
Instrument : MSVOA\_Y  
ClientSampleId : WEST-BOILER-ROOM-NORTH-SIDEWALL



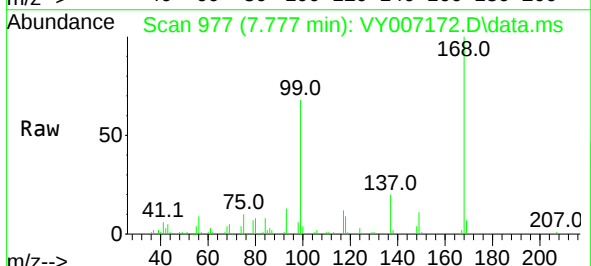
Tgt Ion: 76 Resp: 320  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.2 10.8

Manual Integrations  
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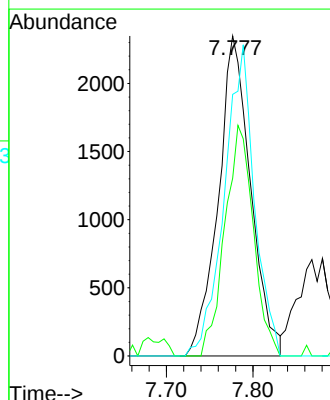
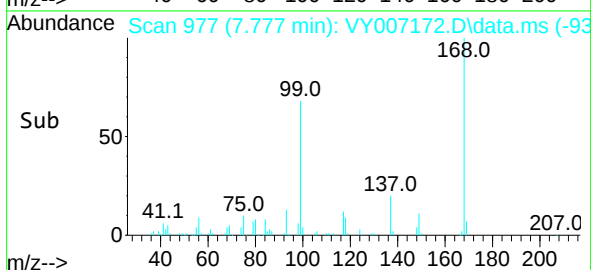
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022

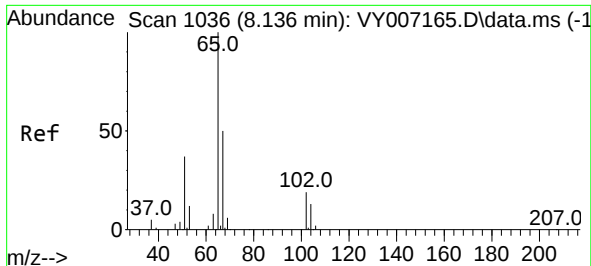


#31  
Cyclohexane  
Concen: 3.928 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.012 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31



Tgt Ion: 56 Resp: 6106  
Ion Ratio Lower Upper  
56 100  
69 55.5 27.2 40.8#  
84 81.8 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 46.676 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007172.D

Acq: 14 Jan 2022 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

WEST-BOILER-ROOM-NORTH-SIDEWALL

Tgt Ion: 65 Resp: 4291

Ion Ratio Lower Upper

65 100

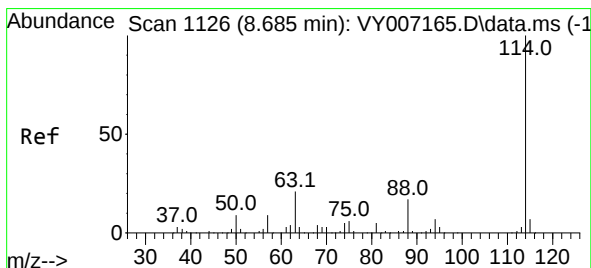
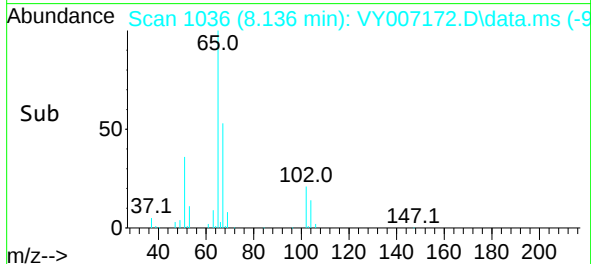
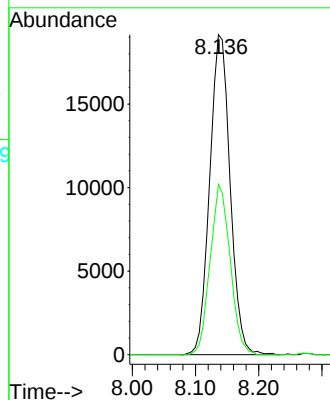
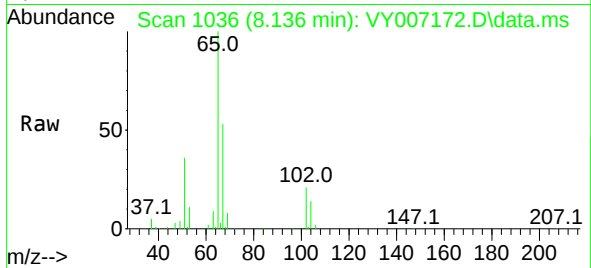
67 52.2 0.0 105.6

Manual Integrations

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Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/17/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007172.D

Acq: 14 Jan 2022 16:31

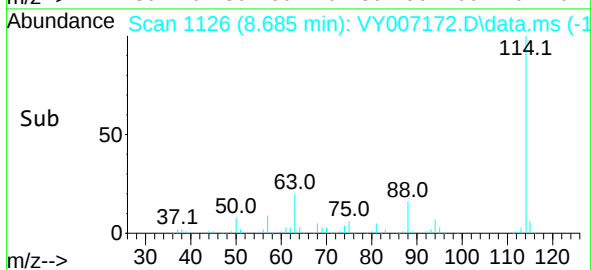
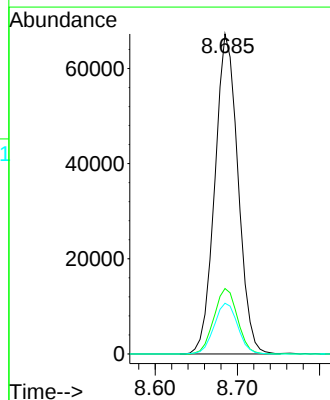
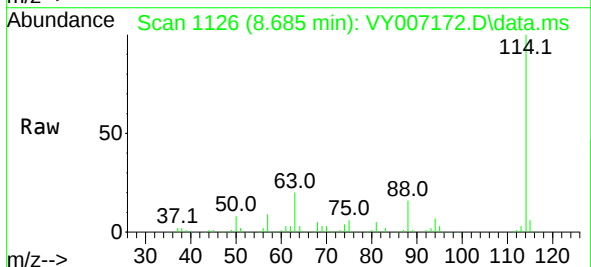
Tgt Ion:114 Resp: 131590

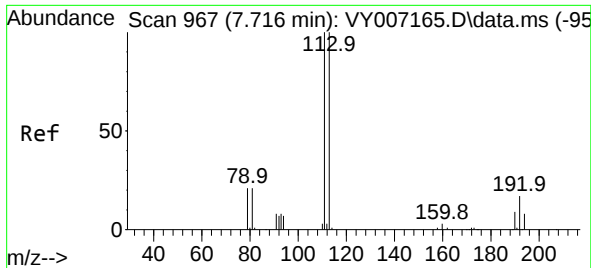
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

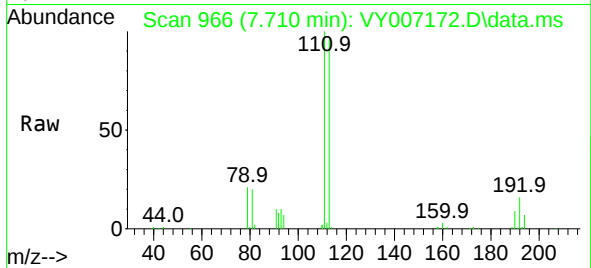
88 15.8 0.0 31.0





#35  
Dibromofluoromethane  
Concen: 47.214 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

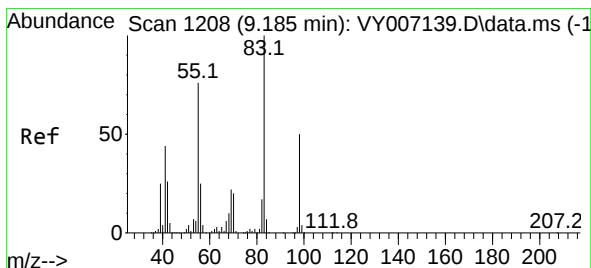
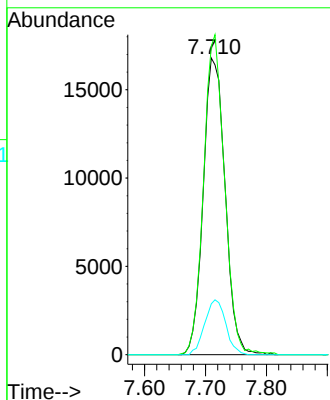
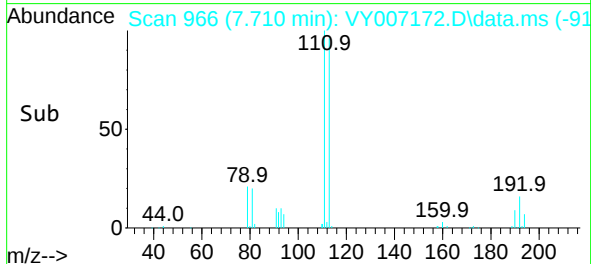
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WEST-BOILER-ROOM-NORTH-SIDEWALL



Tgt Ion:113 Resp: 4201  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.4  
192 17.7 14.2 21.4

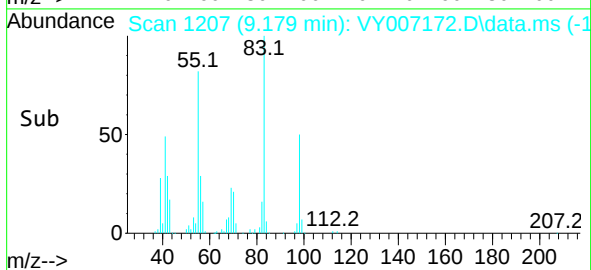
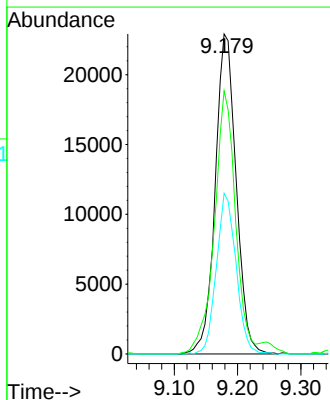
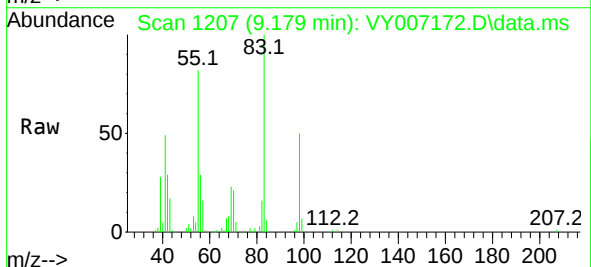
Manual Integrations  
APPROVED

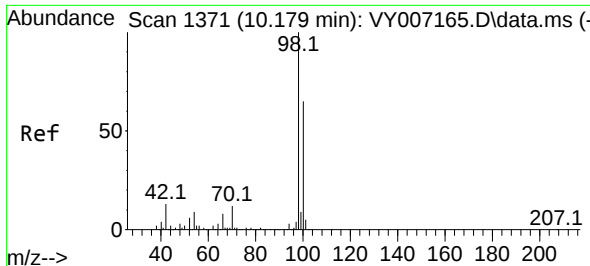
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022



#39  
Methylcyclohexane  
Concen: 30.334 ug/l  
RT: 9.179 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

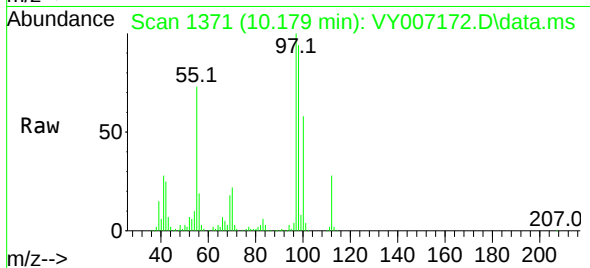
Tgt Ion: 83 Resp: 52633  
Ion Ratio Lower Upper  
83 100  
55 82.3 58.8 88.2  
98 50.2 38.7 58.1





#50  
Toluene-d8  
Concen: 52.240 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

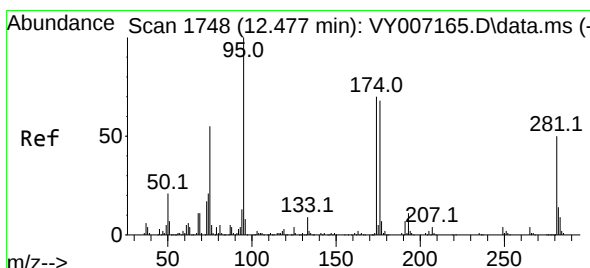
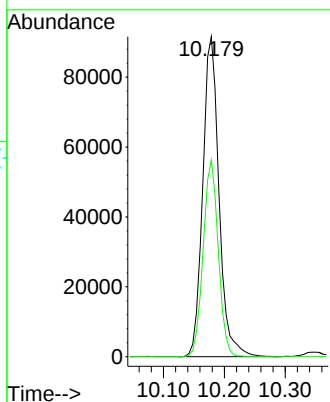
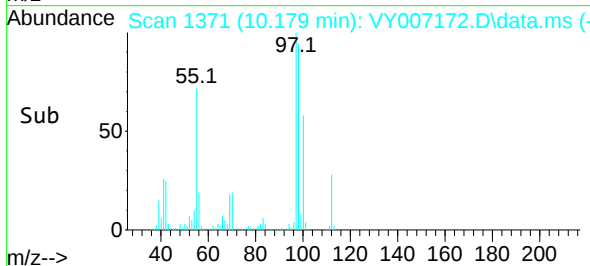
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WEST-BOILER-ROOM-NORTH-SIDEWALL



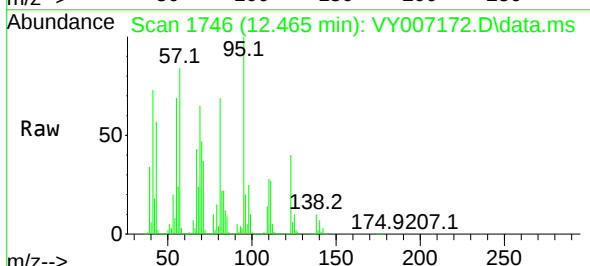
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Ion Ratio Lower Upper  
98 100  
100 57.0 52.2 78.2

Manual Integrations  
APPROVED

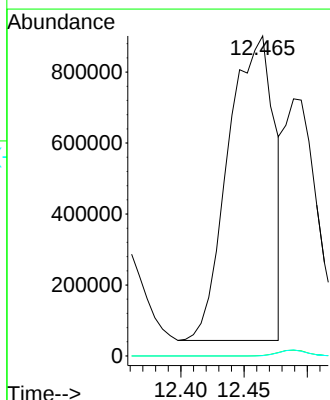
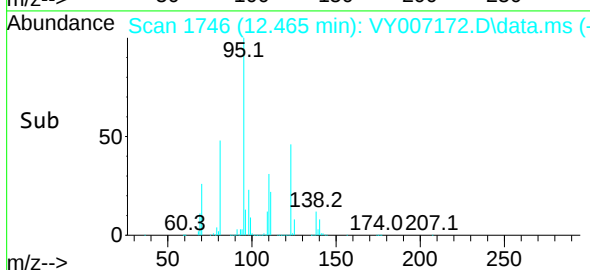
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022

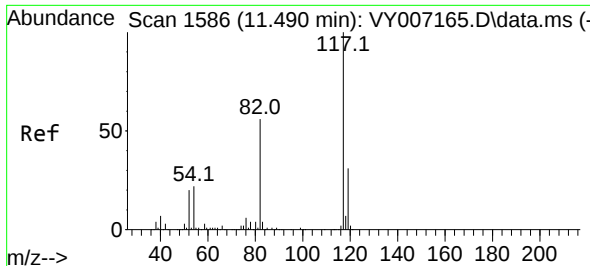


#62  
4-Bromofluorobenzene  
Concen: 1882.812 ug/l  
RT: 12.465 min Scan# 1746  
Delta R.T. -0.018 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31



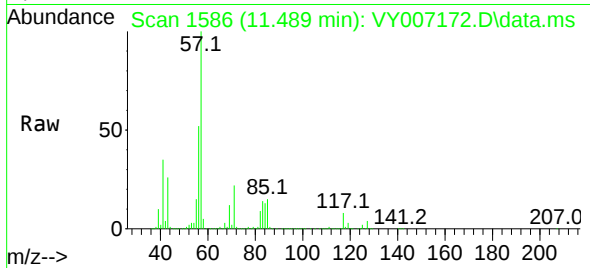
Tgt Ion: 95 Resp: 2177510  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 148.4  
176 0.0 0.0 146.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

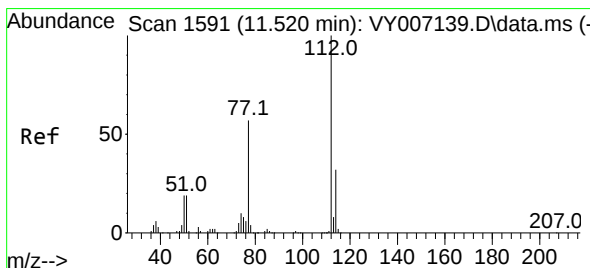
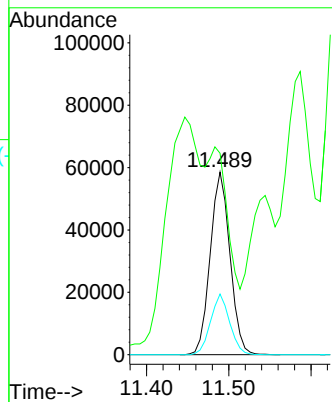
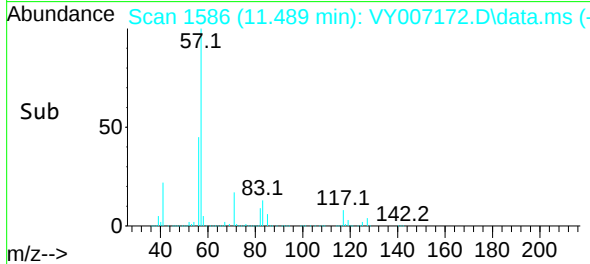
Instrument : MSVOA\_Y  
ClientSampleId : WEST-BOILER-ROOM-NORTH-SIDEWALL



Tgt Ion:117 Resp: 97728  
Ion Ratio Lower Upper  
117 100  
82 34.5 45.4 68.0  
119 33.2 26.4 39.6

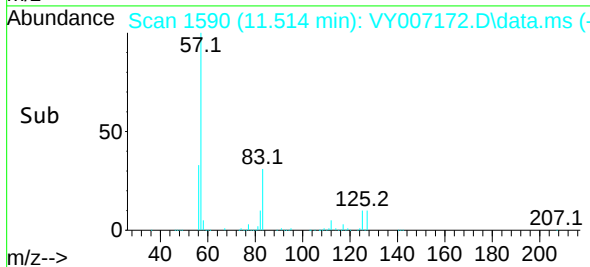
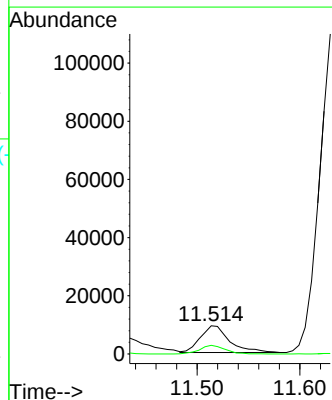
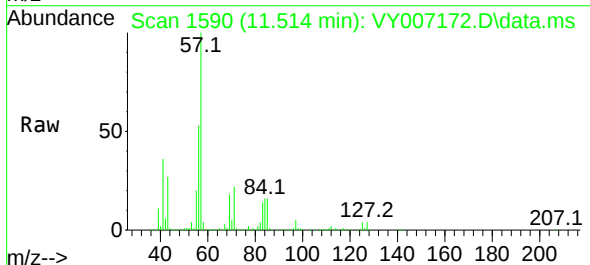
Manual Integrations  
APPROVED

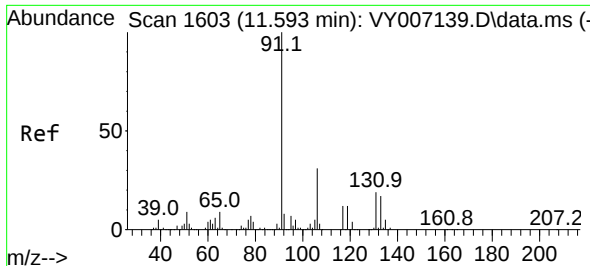
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022



#65  
Chlorobenzene  
Concen: 8.492 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

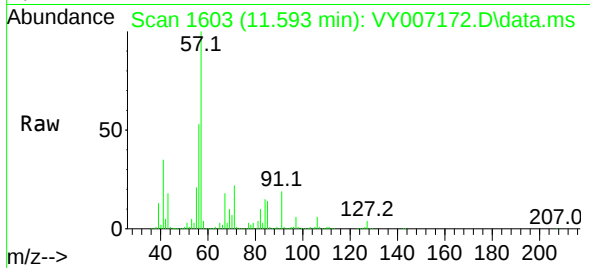
Tgt Ion:112 Resp: 18146  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.1 37.7





#67  
Ethyl Benzene  
Concen: 75.671 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

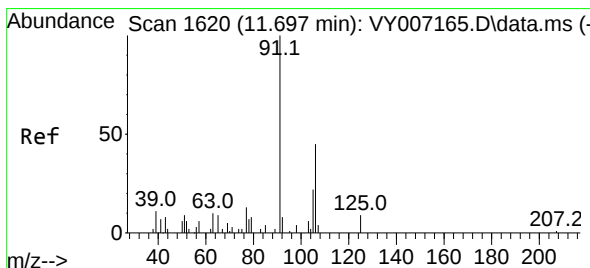
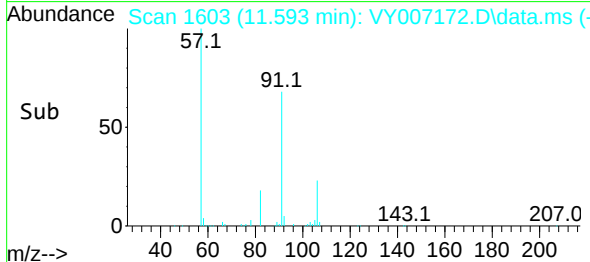
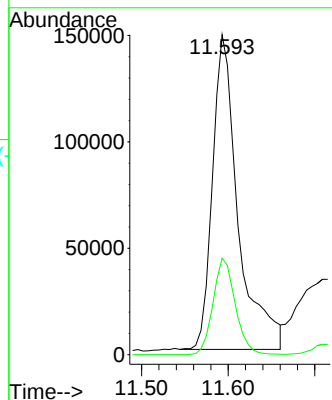
Instrument : MSVOA\_Y  
Client Sample Id : WEST-BOILER-ROOM-NORTH-SIDEWALL



Tgt Ion: 91 Resp: 303910  
Ion Ratio Lower Upper  
91 100  
106 30.7 23.9 35.9

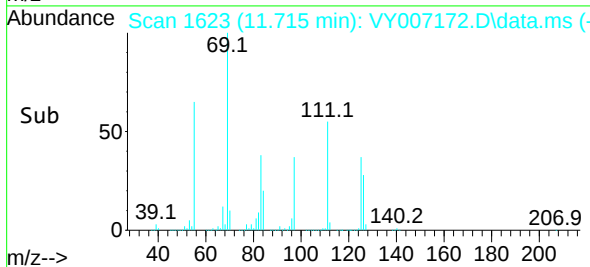
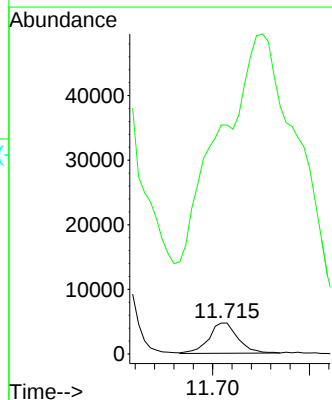
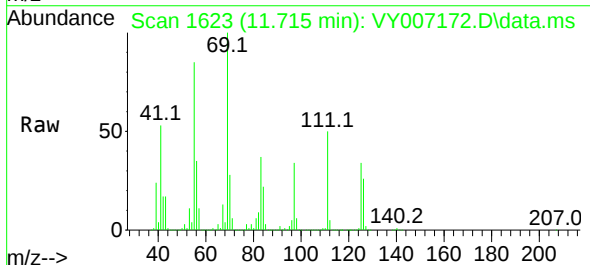
Manual Integrations  
APPROVED

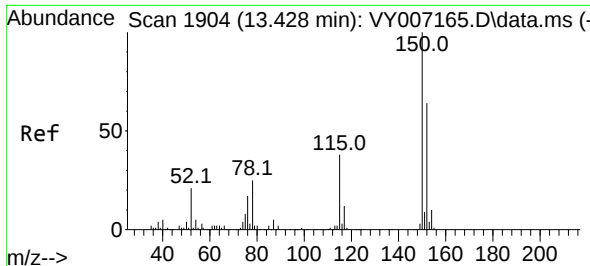
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022



#68  
m/p-Xylenes  
Concen: 6.572 ug/l  
RT: 11.715 min Scan# 1623  
Delta R.T. 0.012 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

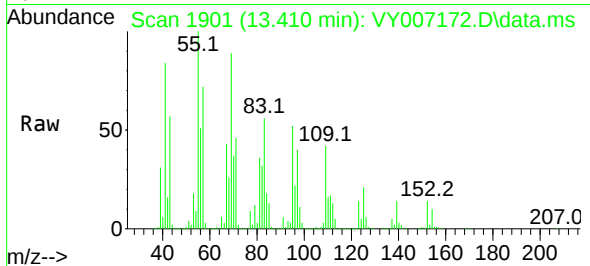
Tgt Ion:106 Resp: 9809  
Ion Ratio Lower Upper  
106 100  
91 0.0 167.1 250.7#





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l m  
RT: 13.410 min Scan# 1904  
Delta R.T. -0.018 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

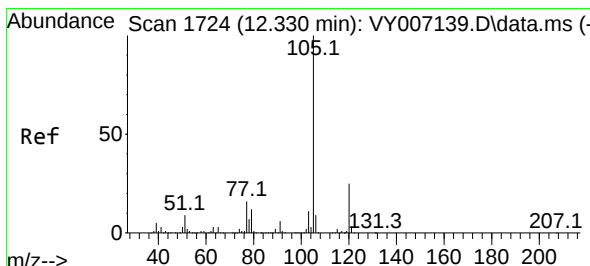
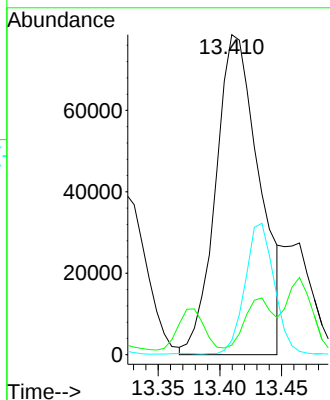
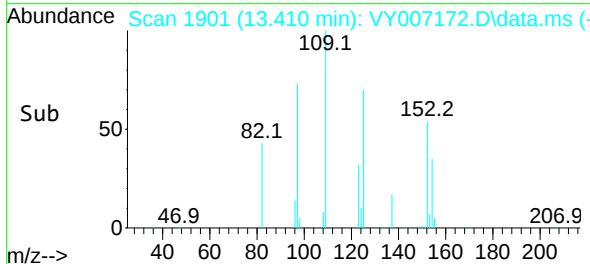
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WEST-BOILER-ROOM-NORTH-SIDEWALL



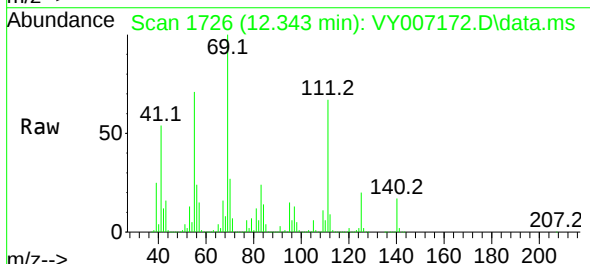
Tgt Ion:152 Resp: 193860  
Ion Ratio Lower Upper  
152 100  
115 20.3 31.4 94.0  
150 0.9 0.0 348.4

Manual Integrations  
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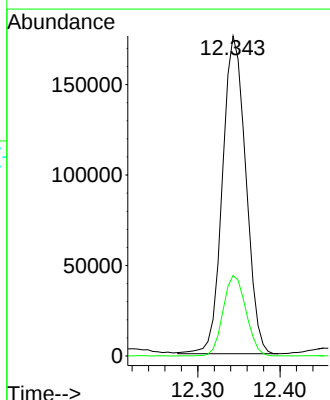
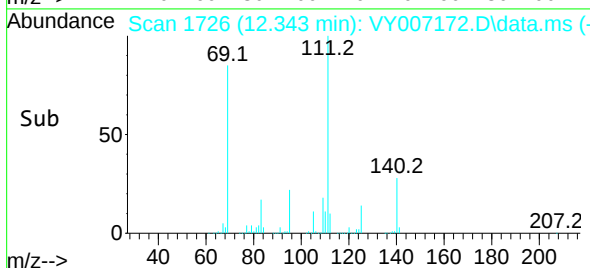
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022

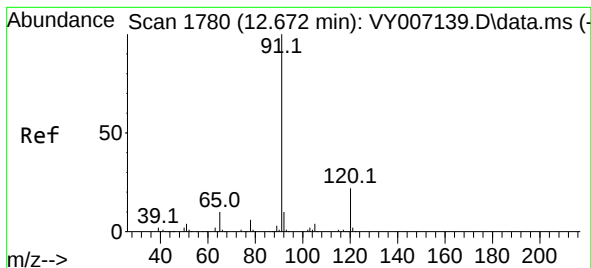


#73  
Isopropylbenzene  
Concen: 20.682 ug/l  
RT: 12.343 min Scan# 1726  
Delta R.T. 0.012 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31



Tgt Ion:105 Resp: 346289  
Ion Ratio Lower Upper  
105 100  
120 24.8 13.1 39.1





#78

n-propylbenzene

Concen: 59.239 ug/l

RT: 12.684 min Scan# 1780

Delta R.T. 0.012 min

Lab File: VY007172.D

Acq: 14 Jan 2022 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

WEST-BOILER-ROOM-NORTH-SIDEWALL

Tgt Ion: 91 Resp: 122958

Ion Ratio Lower Upper

91 100

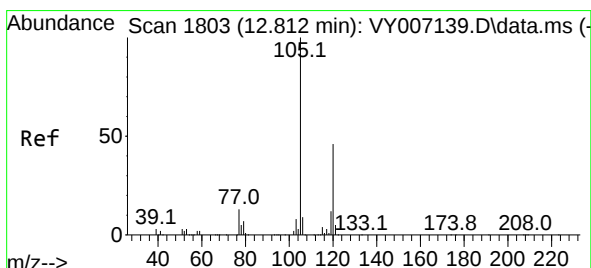
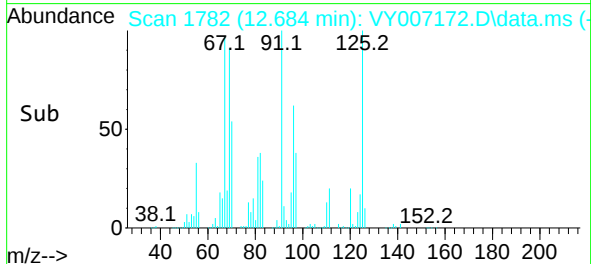
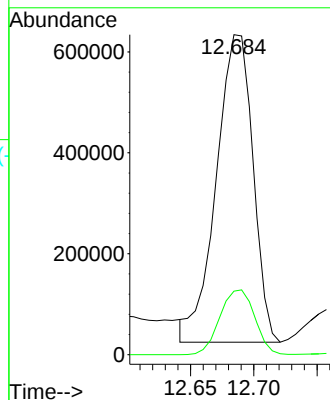
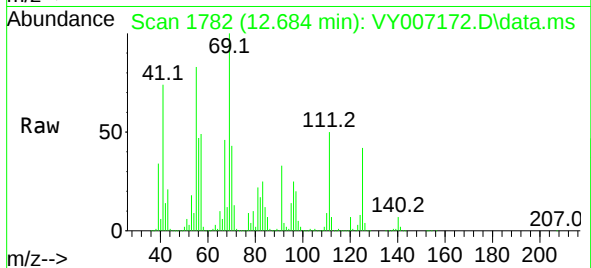
120 20.0 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/17/2022



#80

1,3,5-Trimethylbenzene

Concen: 11.703 ug/l

RT: 12.782 min Scan# 1798

Delta R.T. -0.030 min

Lab File: VY007172.D

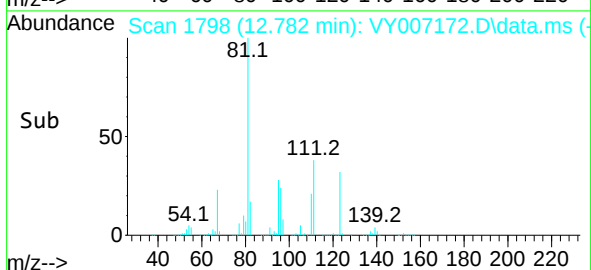
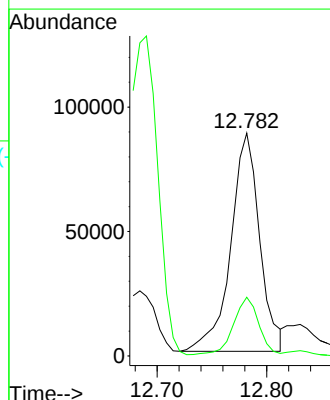
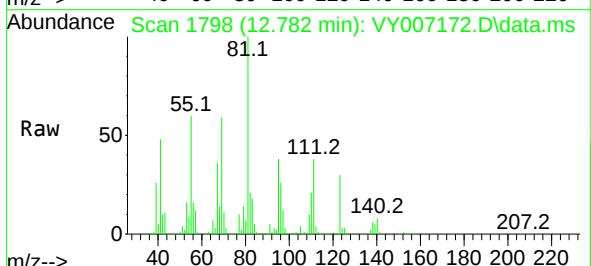
Acq: 14 Jan 2022 16:31

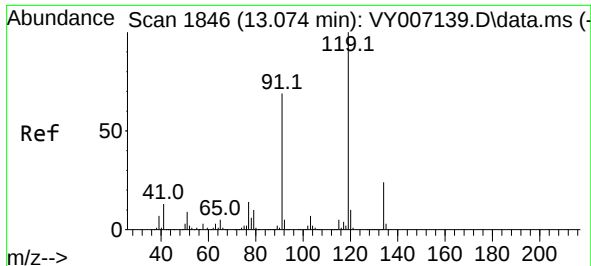
Tgt Ion:105 Resp: 160899

Ion Ratio Lower Upper

105 100

120 22.5 23.7 71.1#





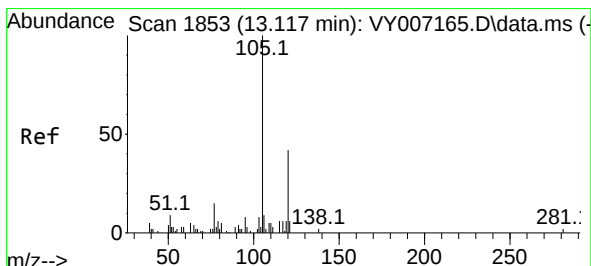
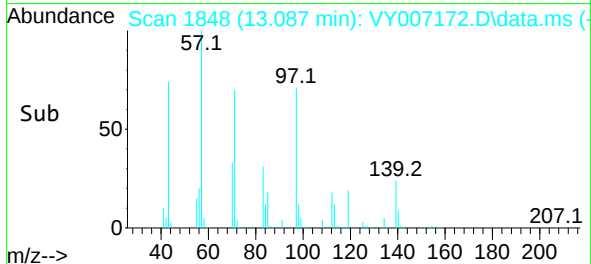
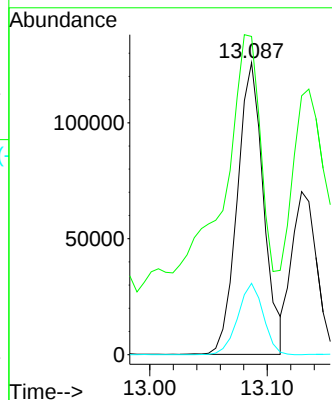
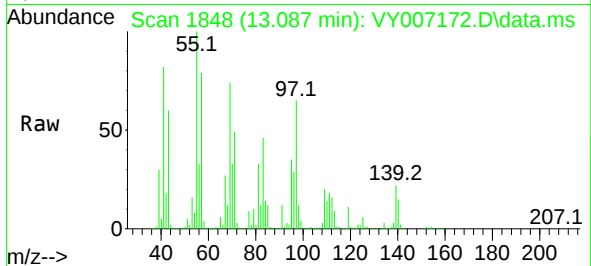
#83  
tert-Butylbenzene  
Concen: 16.519 ug/l  
RT: 13.087 min Scan# 1848  
Delta R.T. 0.012 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

Instrument : MSVOA\_Y  
ClientSampleId : WEST-BOILER-ROOM-NORTH-SIDEWALL

Tgt Ion:119 Resp: 19623  
Ion Ratio Lower Upper  
119 100  
91 99.6 33.1 99.5  
134 23.6 12.9 38.7

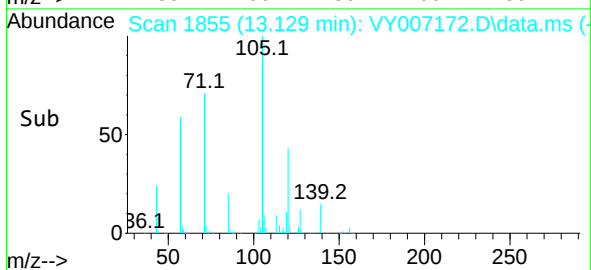
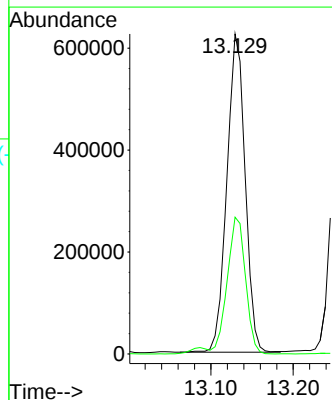
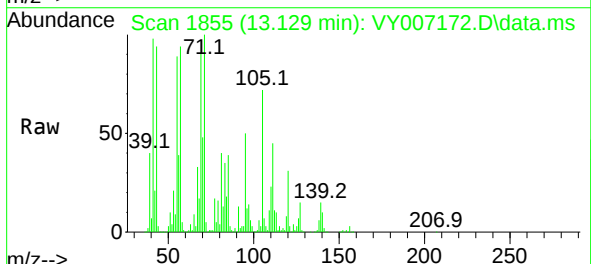
Manual Integrations  
APPROVED

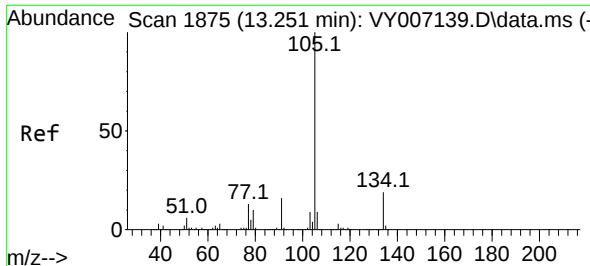
Reviewed By :John Carlone 01/17/2022  
Supervised By :Mahesh Dadoda 01/17/2022



#84  
1,2,4-Trimethylbenzene  
Concen: 70.956 ug/l  
RT: 13.129 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: VY007172.D  
Acq: 14 Jan 2022 16:31

Tgt Ion:105 Resp: 966943  
Ion Ratio Lower Upper  
105 100  
120 42.9 21.6 64.6





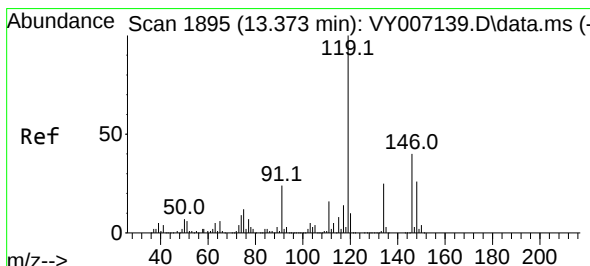
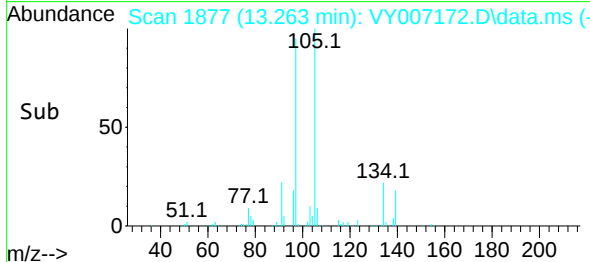
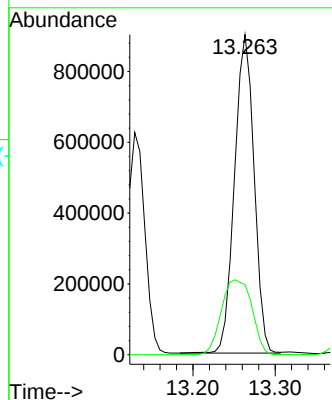
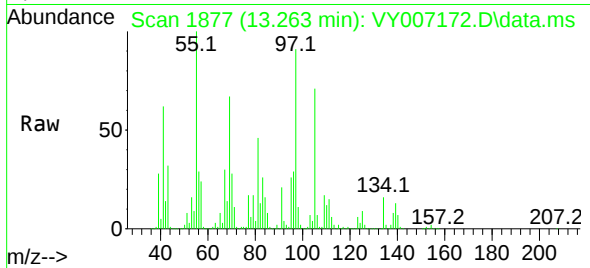
#85  
 sec-Butylbenzene  
 Concen: 83.732 ug/l  
 RT: 13.263 min Scan# 1877  
 Delta R.T. 0.012 min  
 Lab File: VY007172.D  
 Acq: 14 Jan 2022 16:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WEST-BOILER-ROOM-NORTH-SIDEWALL

Tgt Ion:105 Resp: 1488094  
 Ion Ratio Lower Upper  
 105 100  
 134 36.5 9.9 29.7

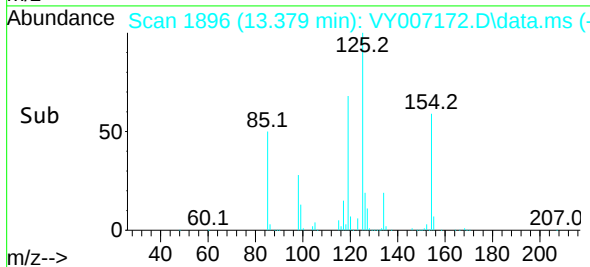
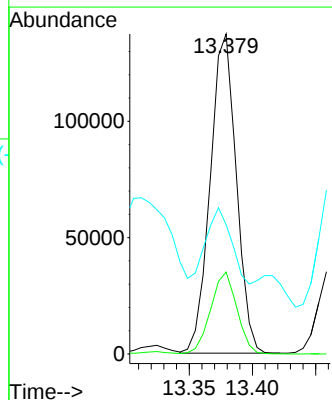
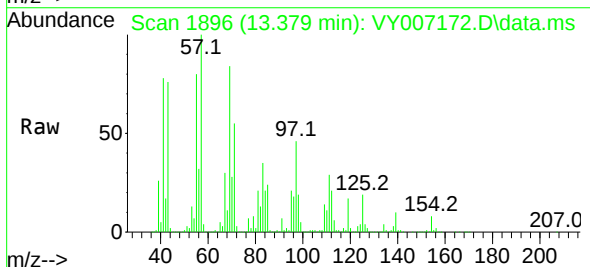
Manual Integrations  
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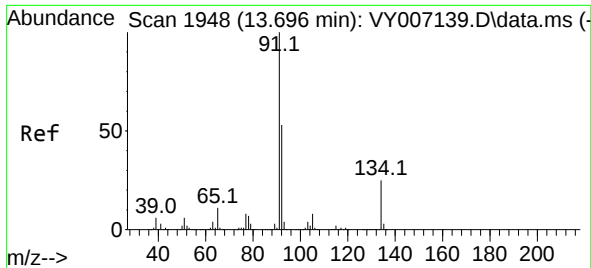
Reviewed By :John Carlone 01/17/2022  
 Supervised By :Mahesh Dadoda 01/17/2022



#86  
 p-Isopropyltoluene  
 Concen: 13.485 ug/l  
 RT: 13.379 min Scan# 1896  
 Delta R.T. 0.006 min  
 Lab File: VY007172.D  
 Acq: 14 Jan 2022 16:31

Tgt Ion:119 Resp: 196952  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.9 38.7  
 91 22.9 12.4 37.2





#89

n-Butylbenzene

Concen: 55.910 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY007172.D

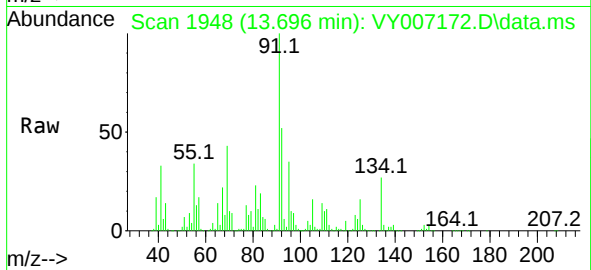
Acq: 14 Jan 2022 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

WEST-BOILER-ROOM-NORTH-SIDEWALL



| Tgt Ion: | 91    | Resp: | 803999 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 47.9  | 26.9  | 80.6   |
| 134      | 48.4  | 12.6  | 37.6   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/17/2022

