

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011322\  
 Data File : VY007153.D  
 Acq On : 13 Jan 2022 20:37  
 Operator : SY/MD  
 Sample : N1119-01  
 Misc : 6.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Quant Time: Jan 14 06:09:23 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 01/14/2022  
 Supervised By :Mahesh Dadoda 01/14/2022

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 107896              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 196235              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490         | 117  | 185791              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 86855               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.137          | 65   | 78143               | 59.025  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 118.040% |         |        |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 65848               | 49.625  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 99.240%  |         |        |          |
| 50) Toluene-d8              | 10.179         | 98   | 263835              | 54.416  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 108.840% |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 100425              | 58.228  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 116.460% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 16) Acetone                 | 3.942          | 43   | 220369              | 641.382 | ug/l # | 81       |
| 17) Carbon Disulfide        | 4.192          | 76   | 5485                | 1.618   | ug/l   | 99       |
| 25) 2-Butanone              | 6.984          | 43   | 67664               | 152.320 | ug/l # | 84       |
| 31) Cyclohexane             | 7.783          | 56   | 710178              | 317.296 | ug/l   | 97       |
| 39) Methylcyclohexane       | 9.185          | 83   | 692141              | 267.491 | ug/l   | 96       |
| 40) Benzene                 | 8.161          | 78   | 11609               | 2.054   | ug/l   | 92       |
| 52) Toluene                 | 10.240         | 92   | 9945                | 2.775   | ug/l   | 93       |
| 67) Ethyl Benzene           | 11.593         | 91   | 2574530             | 337.186 | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.703         | 106  | 108070              | 38.087  | ug/l   | 100      |
| 69) o-Xylene                | 12.026         | 106  | 10188               | 3.813   | ug/l   | 88       |
| 73) Isopropylbenzene        | 12.331         | 105  | 1127856             | 150.346 | ug/l   | 100      |
| 78) n-propylbenzene         | 12.672         | 91   | 1808701             | 194.495 | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.813         | 105  | 24210m              | 3.931   | ug/l   |          |
| 83) tert-Butylbenzene       | 13.075         | 119  | 16955               | 3.186   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.117         | 105  | 32045               | 5.249   | ug/l   | 98       |
| 85) sec-Butylbenzene        | 13.251         | 105  | 162023              | 20.348  | ug/l # | 65       |
| 89) n-Butylbenzene          | 13.697         | 91   | 91172               | 14.151  | ug/l # | 69       |
| 95) Naphthalene             | 15.239         | 128  | 141743              | 38.604  | ug/l   | 99       |
| -----                       |                |      |                     |         |        |          |

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

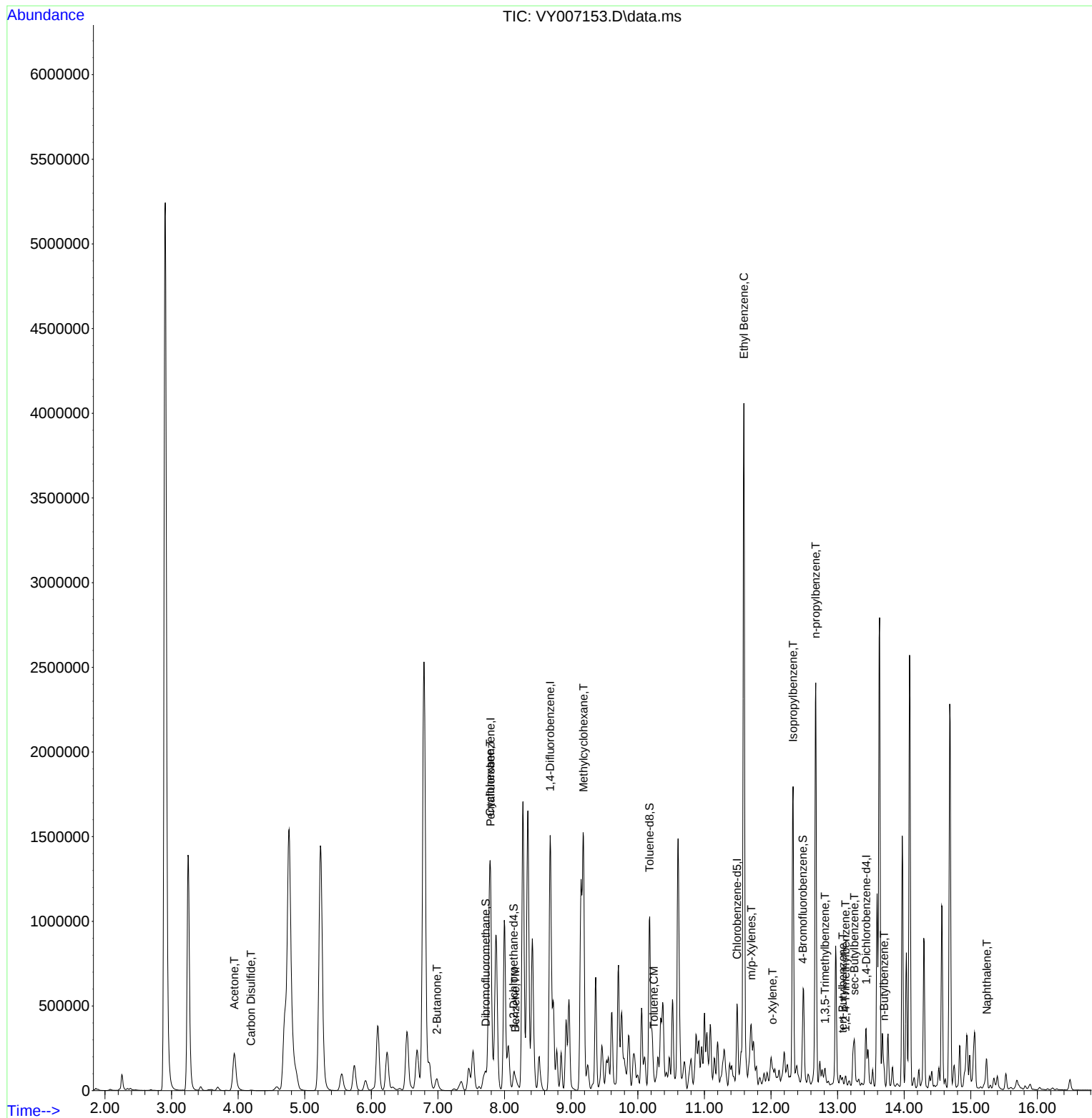
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011322\  
Data File : VY007153.D  
Acq On : 13 Jan 2022 20:37  
Operator : SY/MD  
Sample : N1119-01  
Misc : 6.79g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

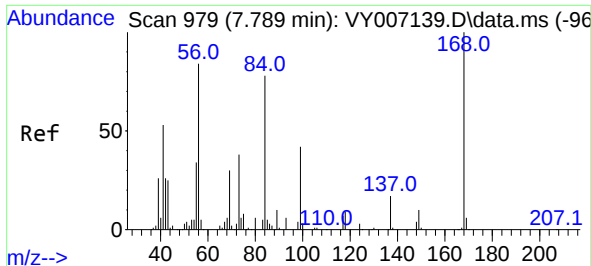
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Quant Time: Jan 14 06:09:23 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

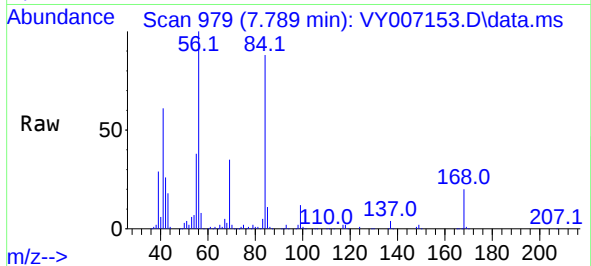
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

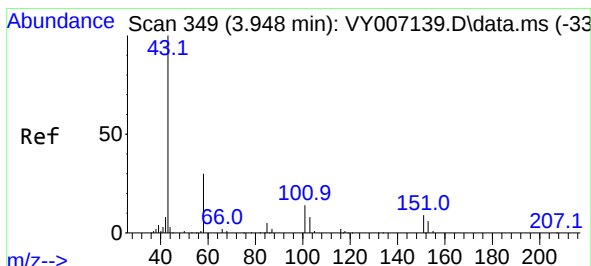
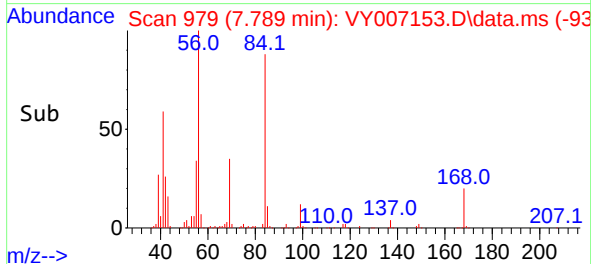
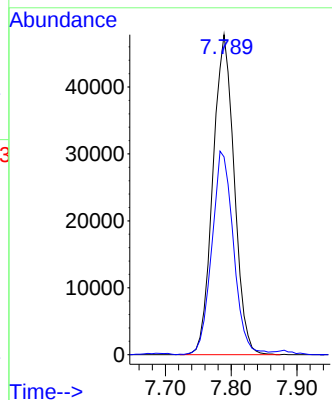
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



Tgt Ion:168 Resp: 107890  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.1 73.7

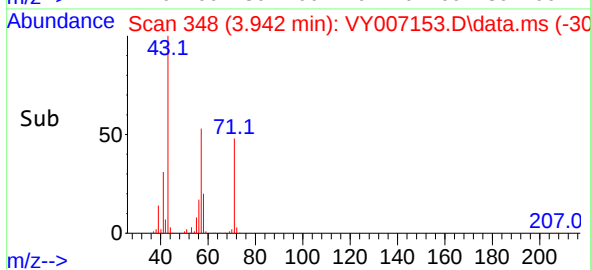
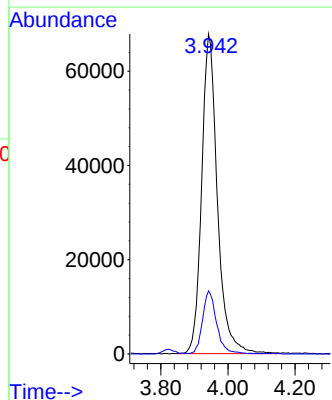
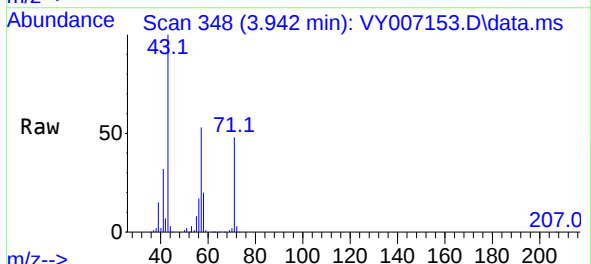
Manual Integrations  
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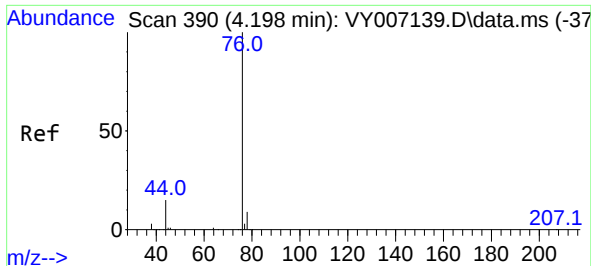
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#16  
Acetone  
Concen: 641.382 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Tgt Ion: 43 Resp: 220369  
Ion Ratio Lower Upper  
43 100  
58 19.6 23.8 35.6#





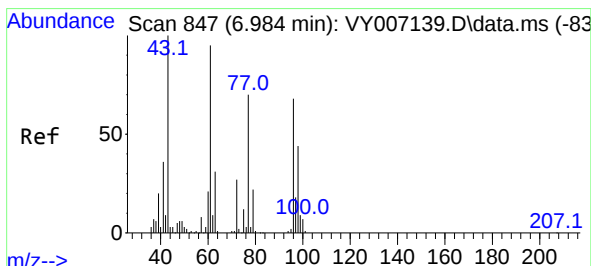
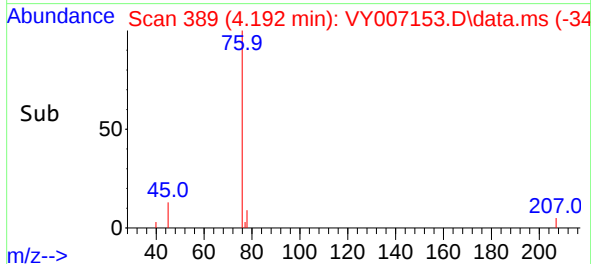
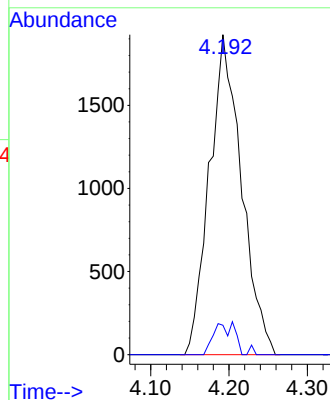
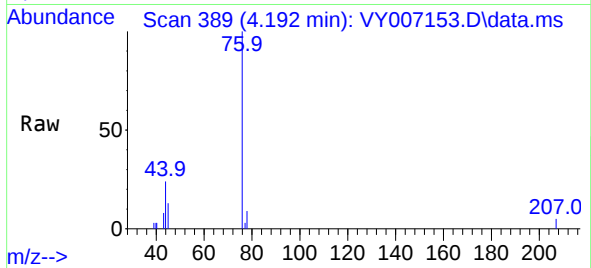
#17  
Carbon Disulfide  
Concen: 1.618 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Tgt Ion: 76 Resp: 5489  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

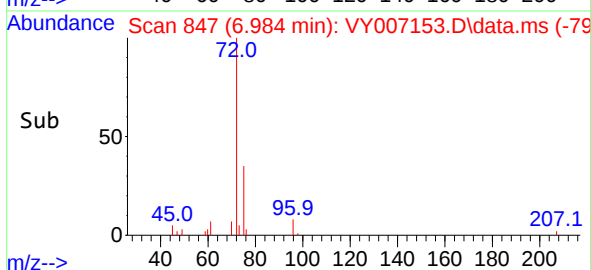
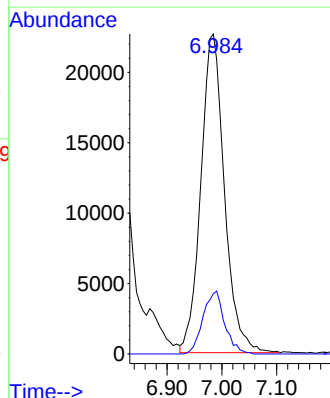
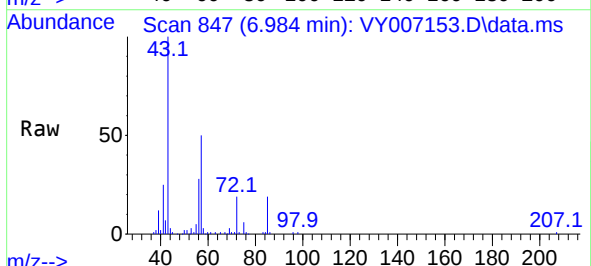
Manual Integrations  
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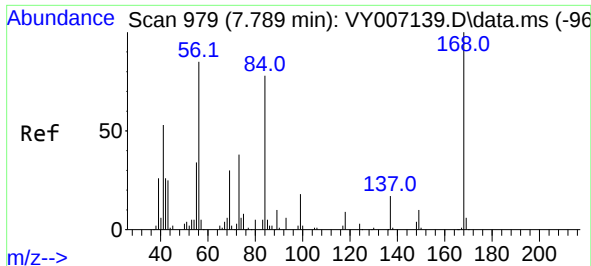
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#25  
2-Butanone  
Concen: 152.320 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

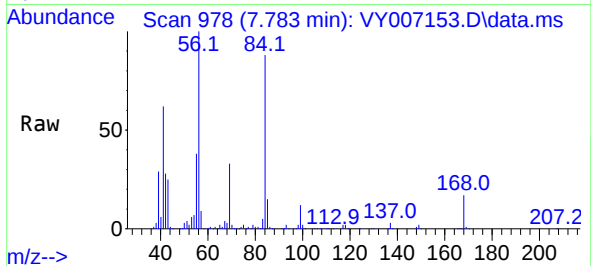
Tgt Ion: 43 Resp: 67664  
Ion Ratio Lower Upper  
43 100  
72 18.9 21.9 32.9#





#31  
Cyclohexane  
Concen: 317.296 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

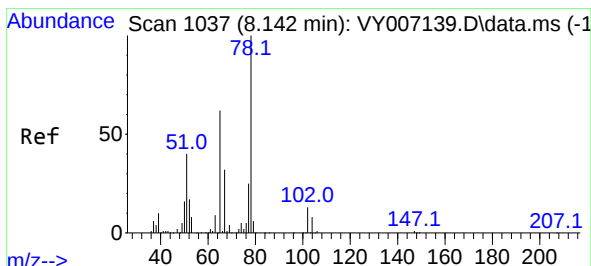
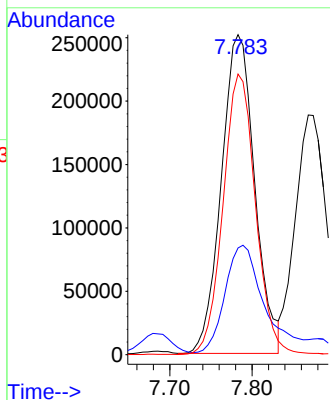
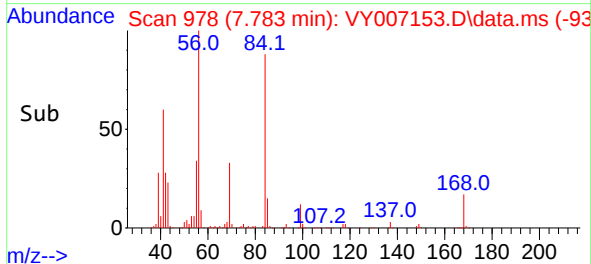
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



Tgt Ion: 56 Resp: 710178  
Ion Ratio Lower Upper  
56 100  
69 31.2 27.2 40.8  
84 88.0 72.1 108.1

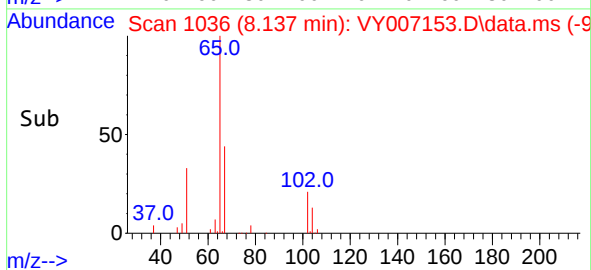
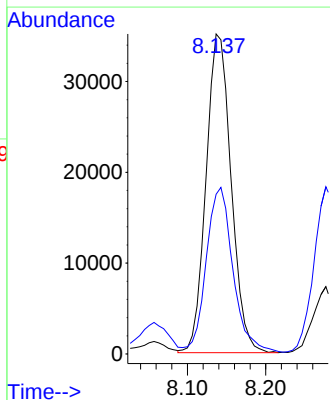
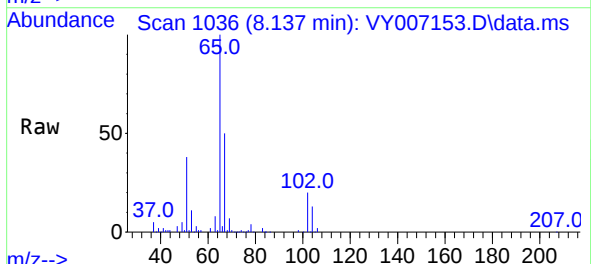
Manual Integrations  
APPROVED

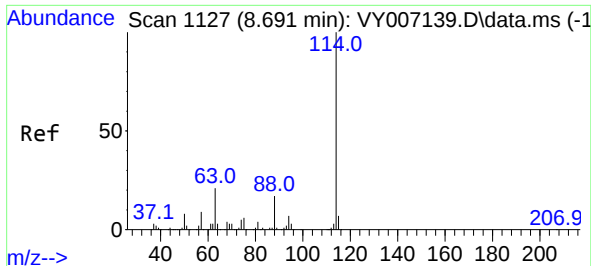
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#33  
1,2-Dichloroethane-d4  
Concen: 59.025 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

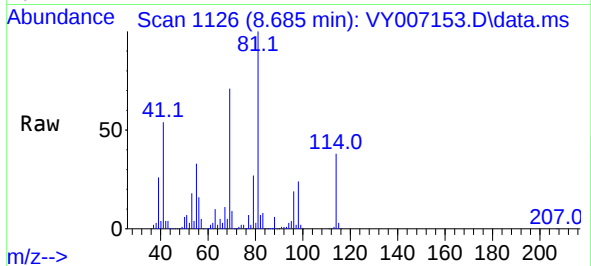
Tgt Ion: 65 Resp: 78143  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 105.6





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

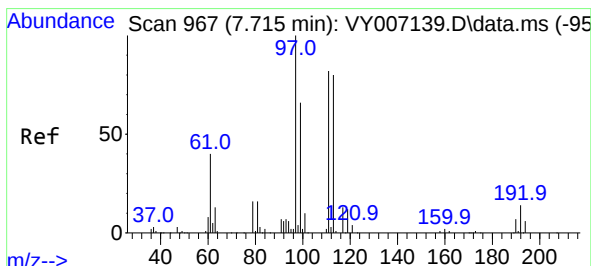
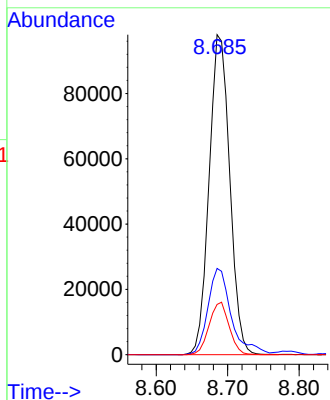
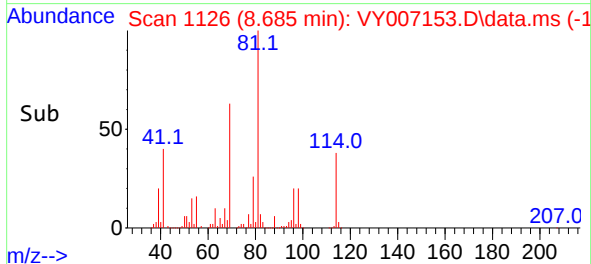
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



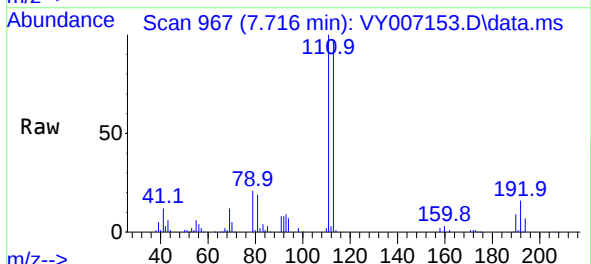
Tgt Ion:114 Resp: 196235  
Ion Ratio Lower Upper  
114 100  
63 26.9 0.0 39.2  
88 15.7 0.0 31.0

Manual Integrations  
APPROVED

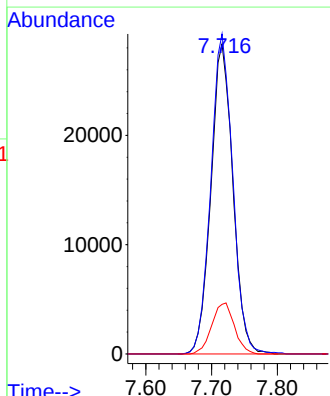
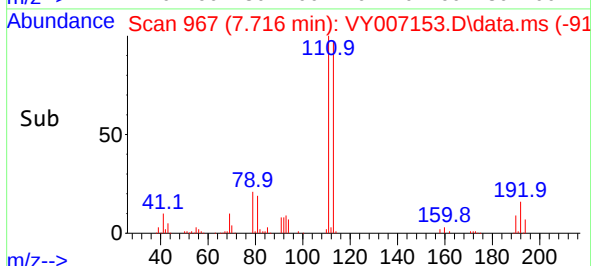
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022

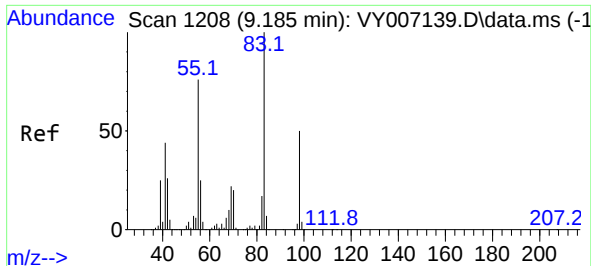


#35  
Dibromofluoromethane  
Concen: 49.625 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37



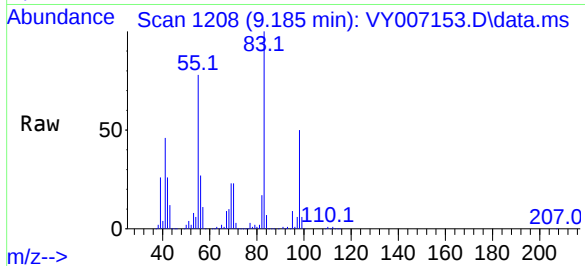
Tgt Ion:113 Resp: 65848  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.4  
192 17.0 14.2 21.4





#39  
Methylcyclohexane  
Concen: 267.491 ug/l  
RT: 9.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

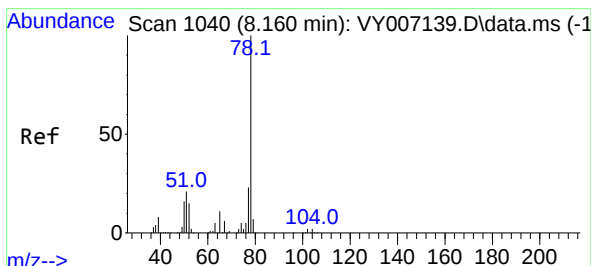
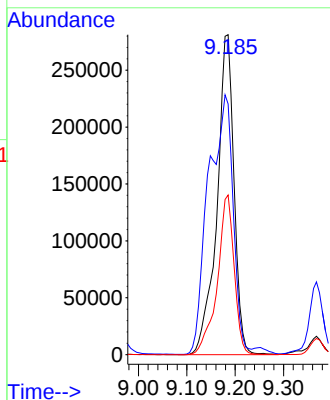
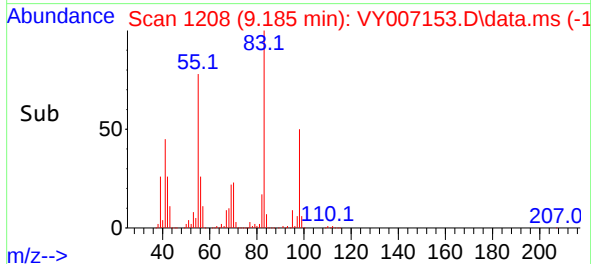
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



Tgt Ion: 83 Resp: 69214  
Ion Ratio Lower Upper  
83 100  
55 78.2 58.8 88.2  
98 49.9 38.7 58.1

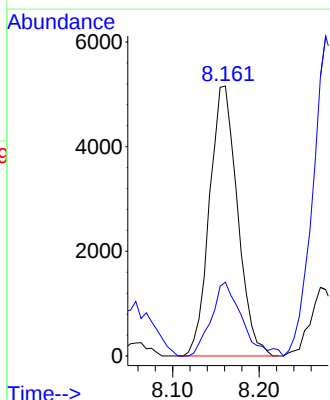
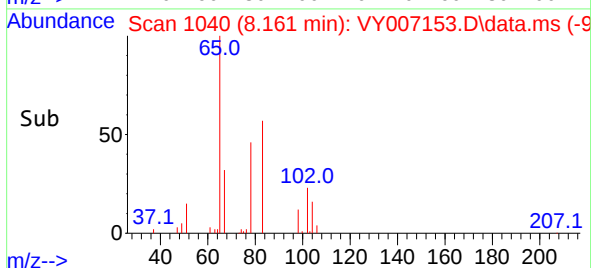
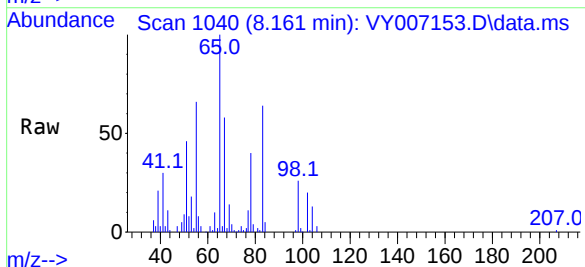
Manual Integrations  
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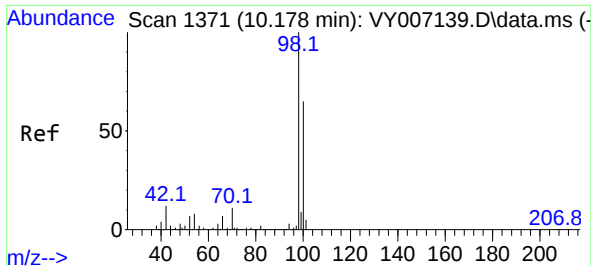
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#40  
Benzene  
Concen: 2.054 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

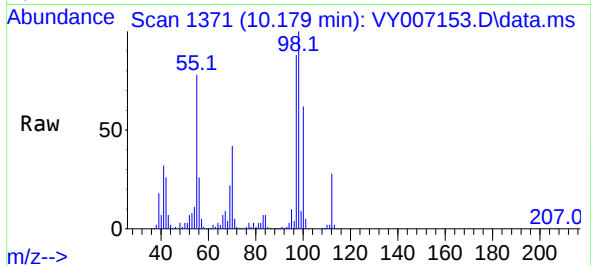
Tgt Ion: 78 Resp: 11609  
Ion Ratio Lower Upper  
78 100  
77 27.3 18.6 27.8





#50  
Toluene-d8  
Concen: 54.416 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

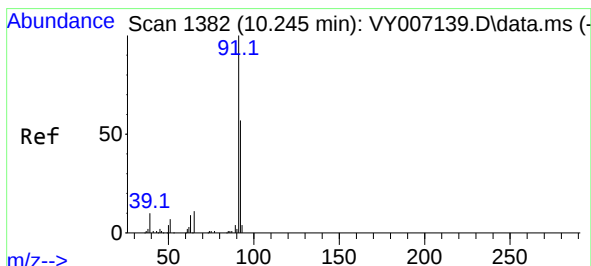
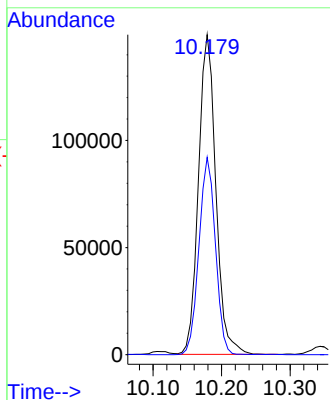
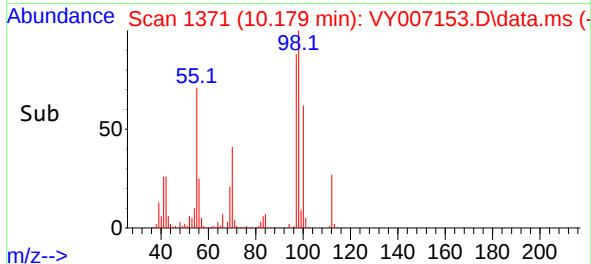
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



Tgt Ion: 98 Resp: 26383  
Ion Ratio Lower Upper  
98 100  
100 58.5 52.2 78.2

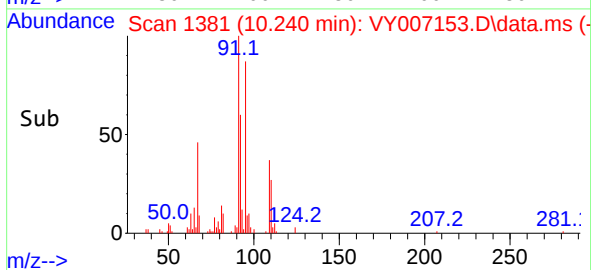
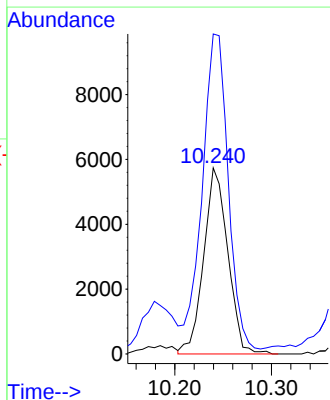
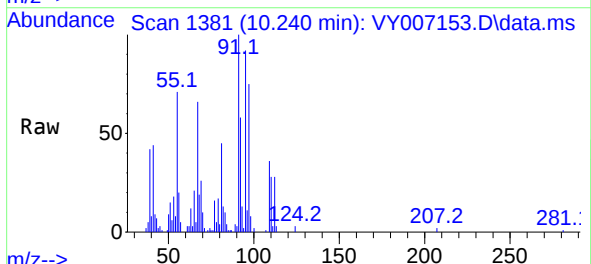
Manual Integrations  
APPROVED

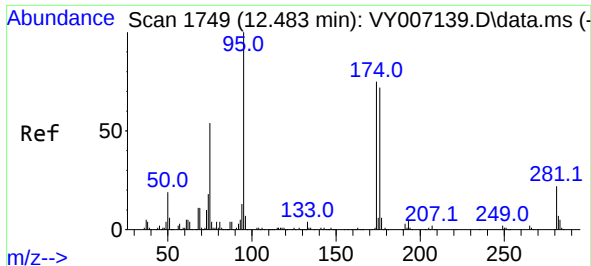
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#52  
Toluene  
Concen: 2.775 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

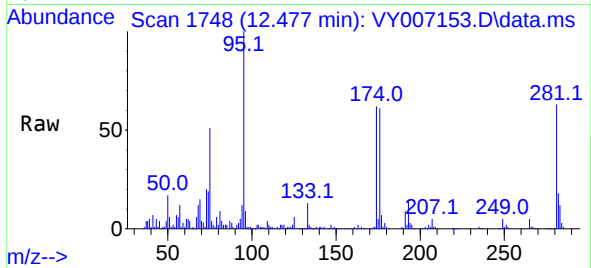
Tgt Ion: 92 Resp: 9945  
Ion Ratio Lower Upper  
92 100  
91 182.3 138.6 207.8





#62  
4-Bromofluorobenzene  
Concen: 58.228 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

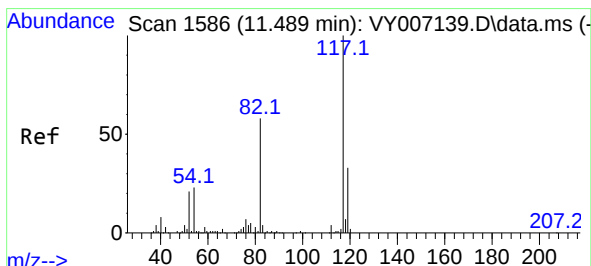
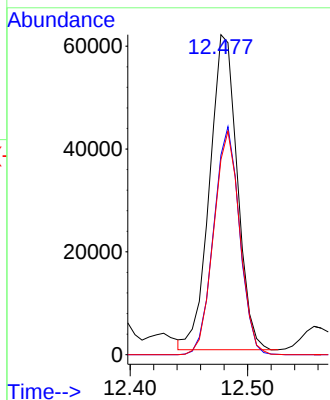
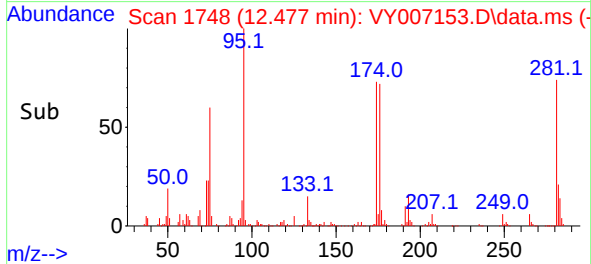
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



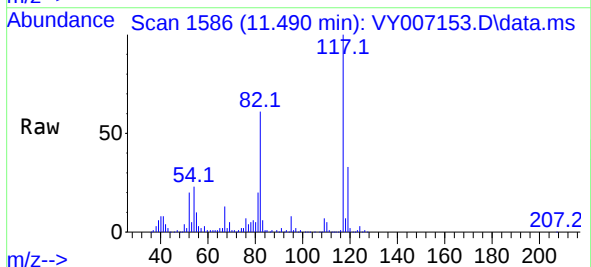
Tgt Ion: 95 Resp: 100425  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 148.4  
176 66.8 0.0 146.6

Manual Integrations  
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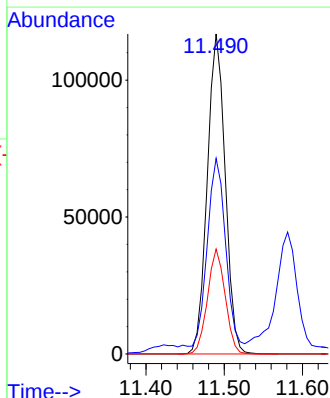
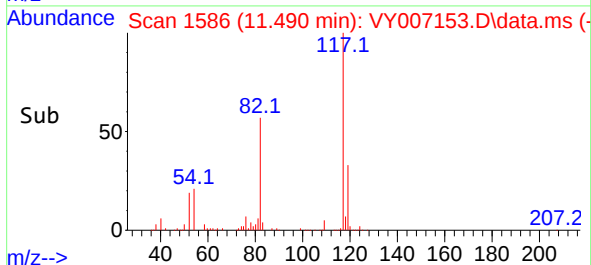
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022

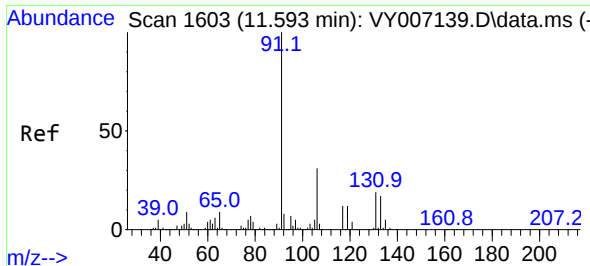


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37



Tgt Ion:117 Resp: 185791  
Ion Ratio Lower Upper  
117 100  
82 58.9 45.4 68.0  
119 32.8 26.4 39.6





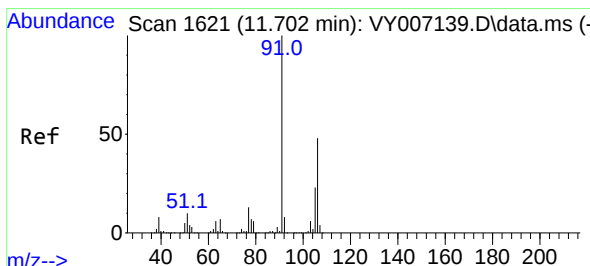
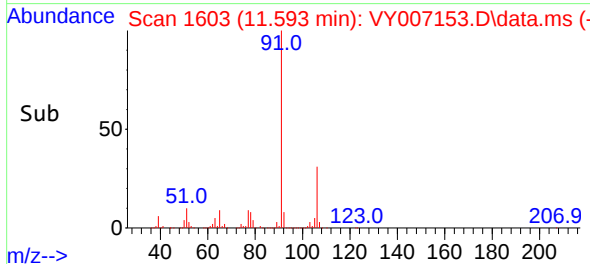
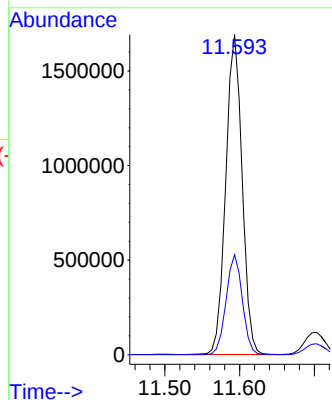
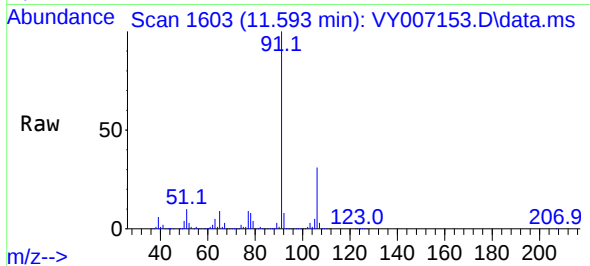
#67  
Ethyl Benzene  
Concen: 337.186 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Tgt Ion: 91 Resp: 2574530  
Ion Ratio Lower Upper  
91 100  
106 31.3 23.9 35.9

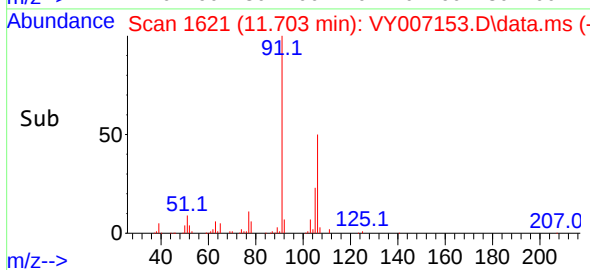
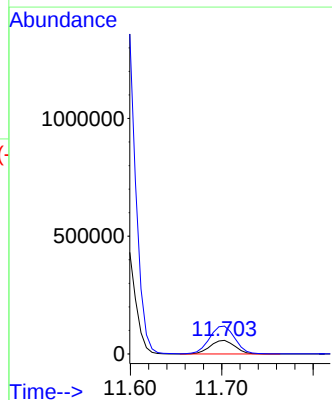
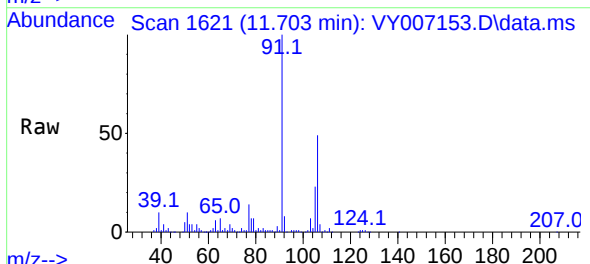
Manual Integrations  
APPROVED

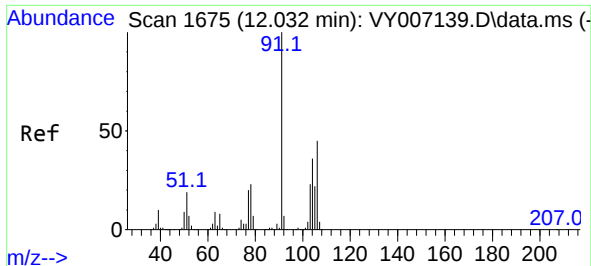
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#68  
m/p-Xylenes  
Concen: 38.087 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Tgt Ion:106 Resp: 108070  
Ion Ratio Lower Upper  
106 100  
91 209.1 167.1 250.7





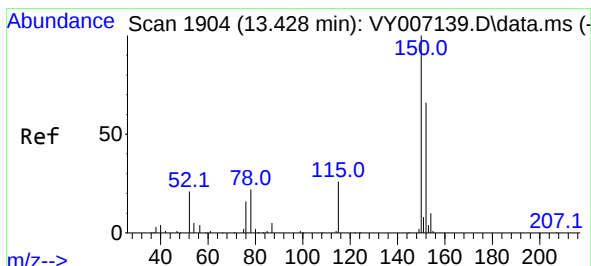
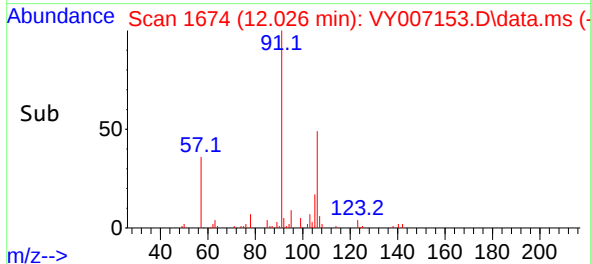
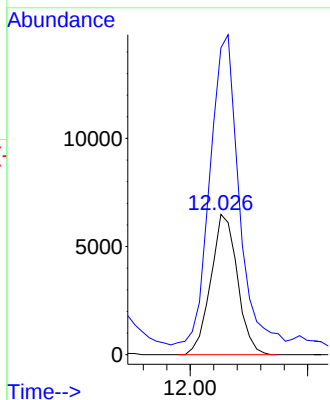
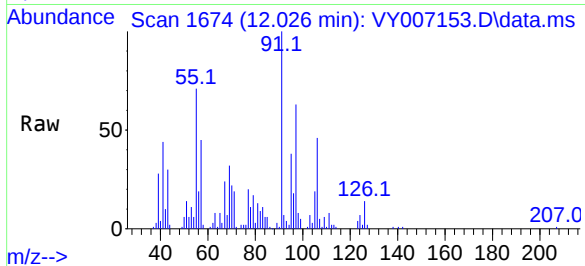
#69  
o-Xylene  
Concen: 3.813 ug/l  
RT: 12.026 min Scan# 106  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Tgt Ion:106 Resp: 10188  
Ion Ratio Lower Upper  
106 100  
91 239.8 109.9 329.6

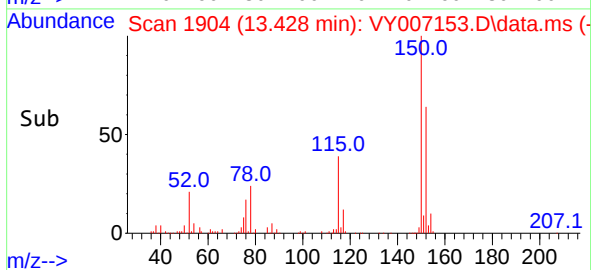
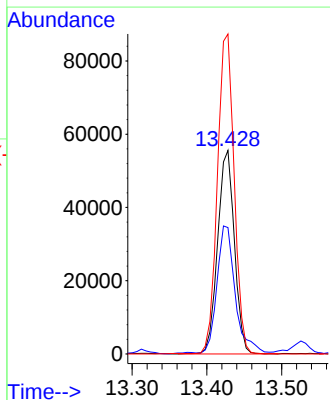
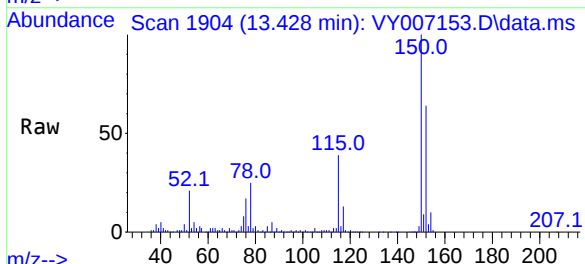
Manual Integrations  
APPROVED

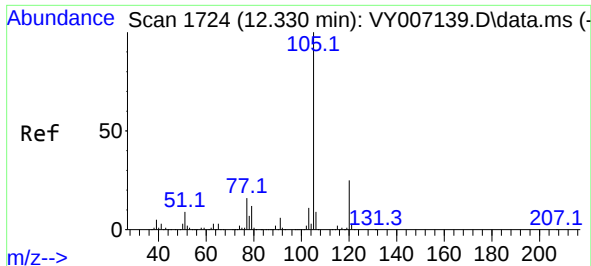
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

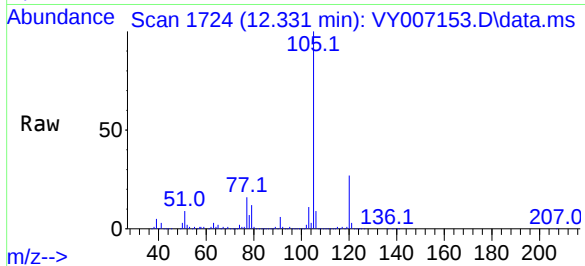
Tgt Ion:152 Resp: 86855  
Ion Ratio Lower Upper  
152 100  
115 67.5 31.4 94.0  
150 156.6 0.0 348.4





#73  
Isopropylbenzene  
Concen: 150.346 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

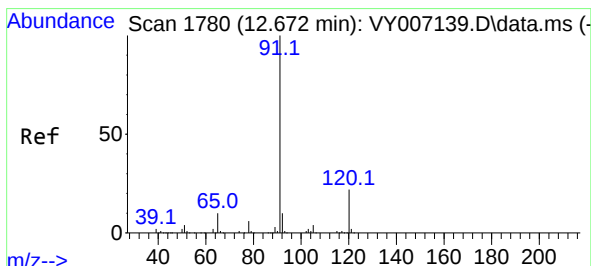
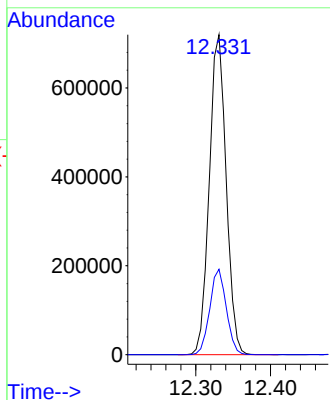
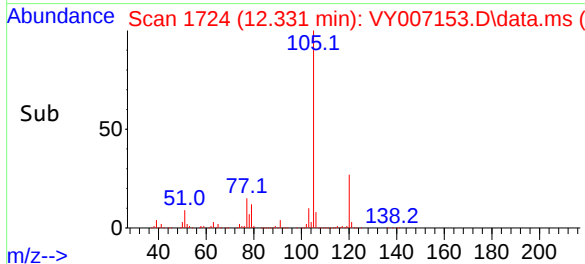
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



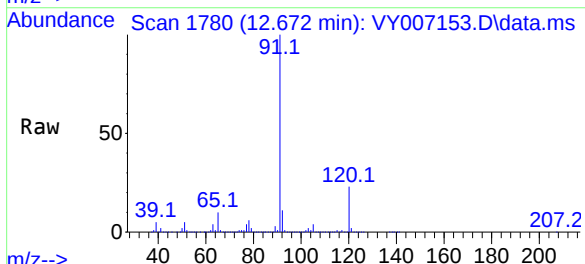
Tgt Ion:105 Resp: 112785  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.1 39.1

Manual Integrations  
APPROVED

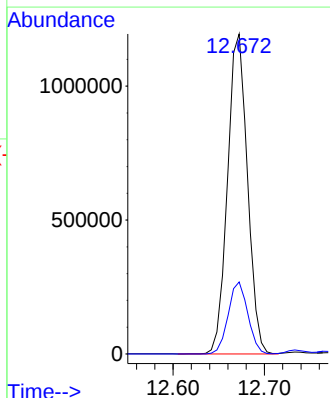
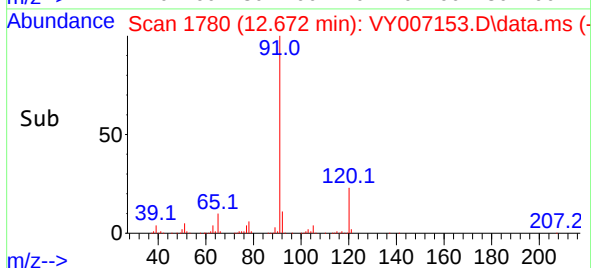
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022

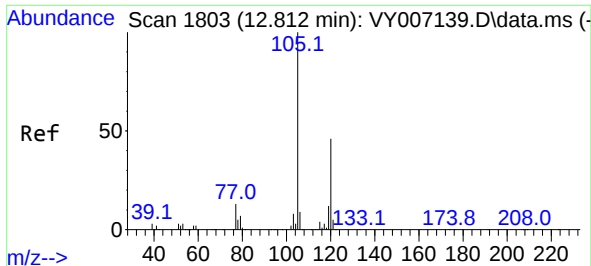


#78  
n-propylbenzene  
Concen: 194.495 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37



Tgt Ion: 91 Resp: 1808701  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.2 33.5





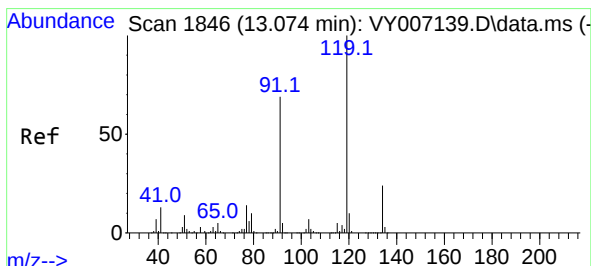
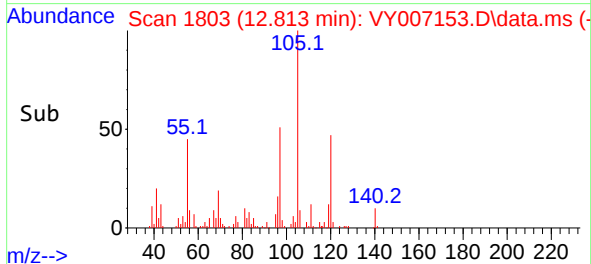
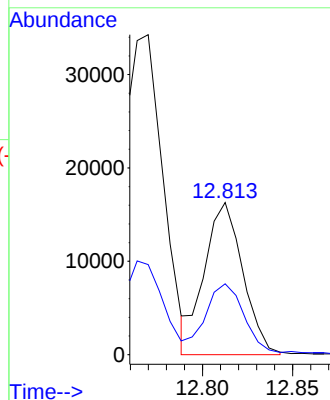
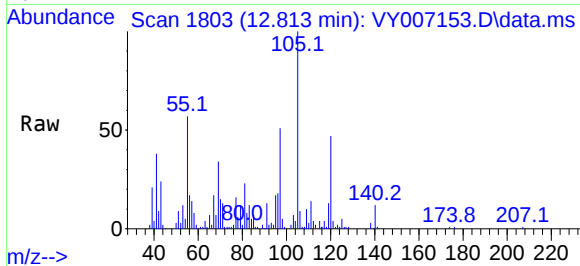
#80  
1,3,5-Trimethylbenzene  
Concen: 3.931 ug/l m  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Tgt Ion:105 Resp: 24210  
Ion Ratio Lower Upper  
105 100  
120 58.1 23.7 71.1

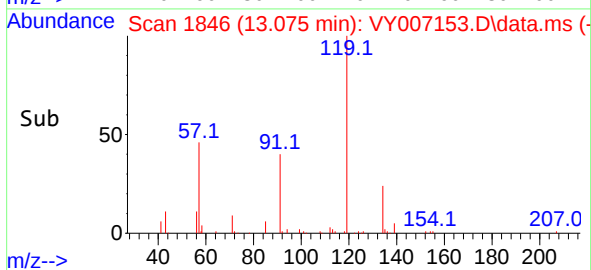
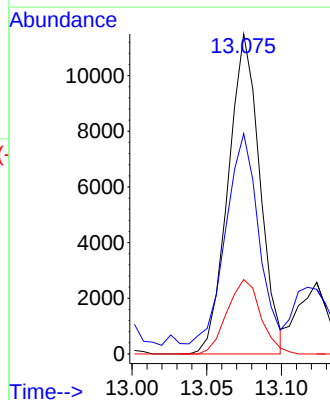
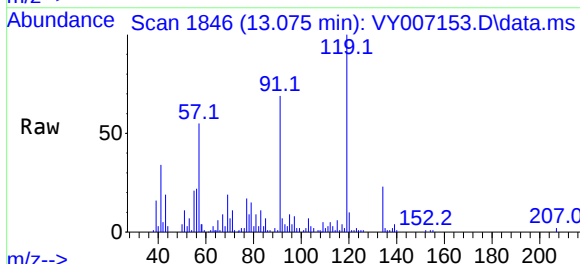
Manual Integrations  
APPROVED

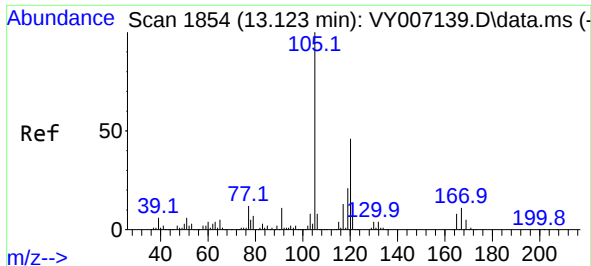
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#83  
tert-Butylbenzene  
Concen: 3.186 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Tgt Ion:119 Resp: 16955  
Ion Ratio Lower Upper  
119 100  
91 67.2 33.1 99.5  
134 24.5 12.9 38.7





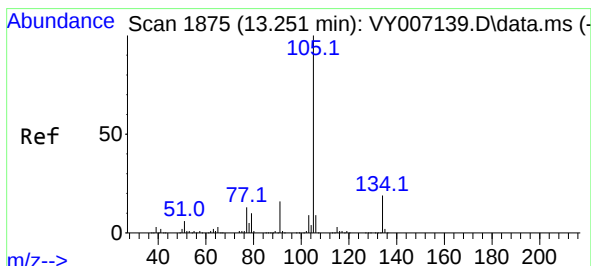
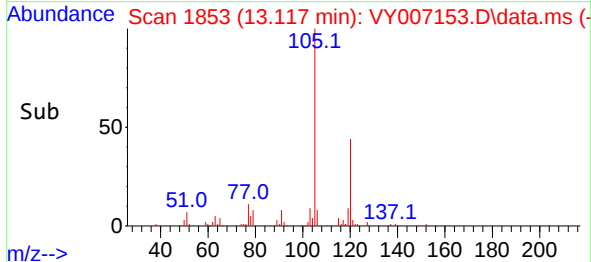
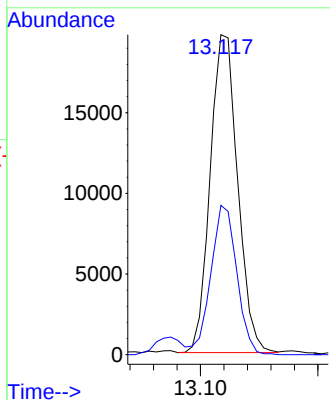
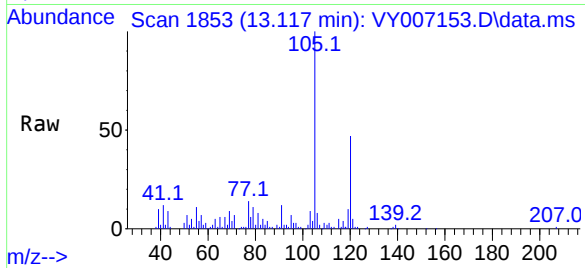
#84  
1,2,4-Trimethylbenzene  
Concen: 5.249 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL

Tgt Ion:105 Resp: 32045  
Ion Ratio Lower Upper  
105 100  
120 44.5 21.6 64.6

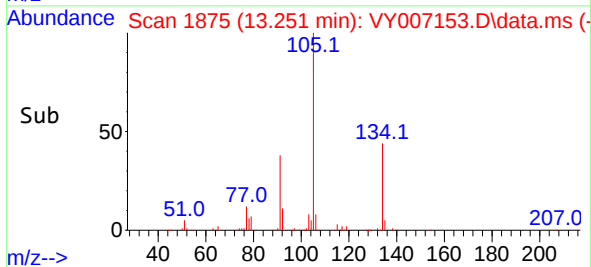
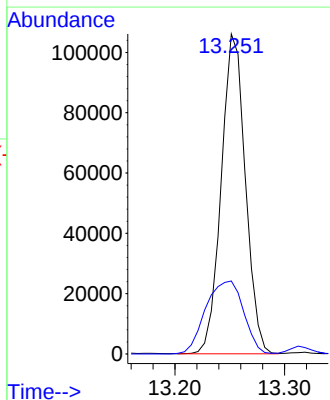
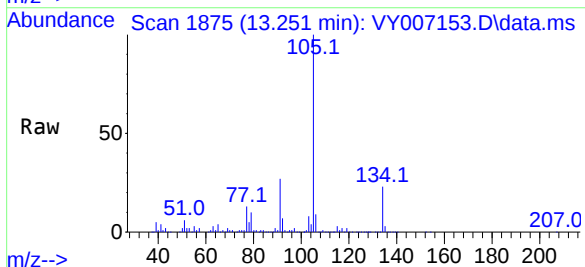
Manual Integrations  
APPROVED

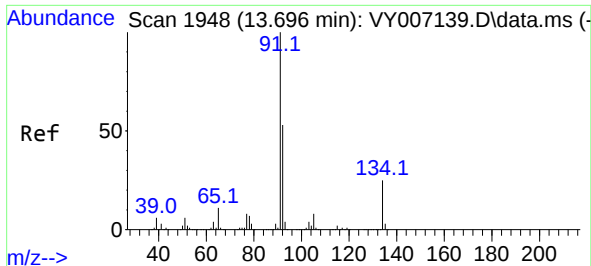
Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#85  
sec-Butylbenzene  
Concen: 20.348 ug/l  
RT: 13.251 min Scan# 1875  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

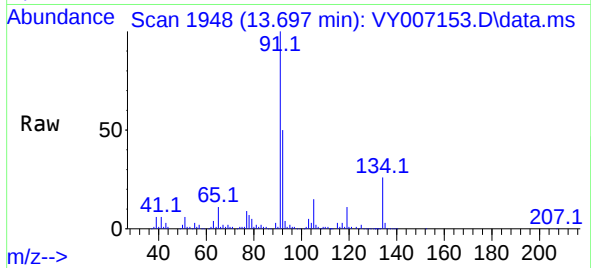
Tgt Ion:105 Resp: 162023  
Ion Ratio Lower Upper  
105 100  
134 35.8 9.9 29.7#





#89  
n-Butylbenzene  
Concen: 14.151 ug/l  
RT: 13.697 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37

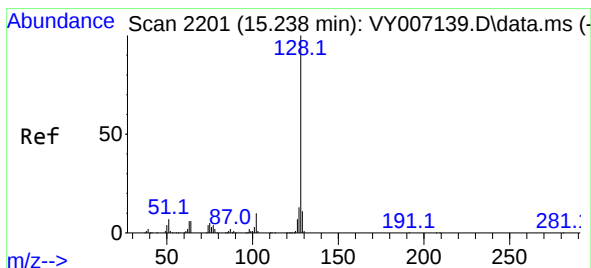
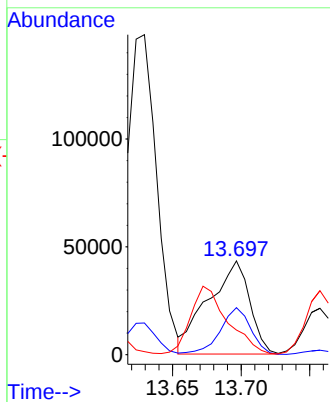
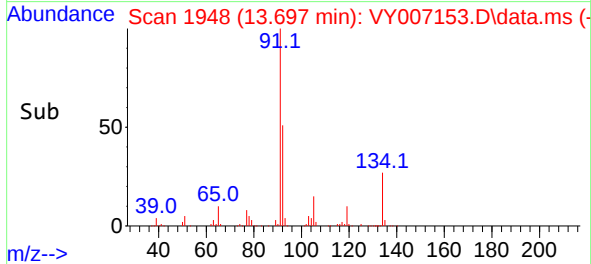
Instrument : MSVOA\_Y  
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-NORTH-SIDEWALL



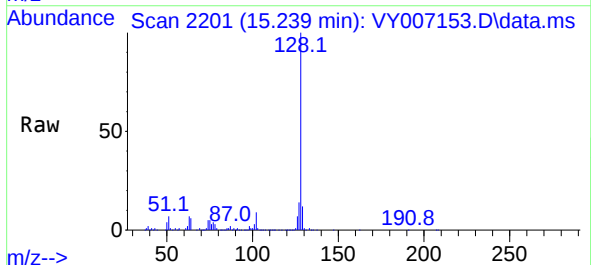
Tgt Ion: 91 Resp: 91172  
Ion Ratio Lower Upper  
91 100  
92 37.4 26.9 80.6  
134 0.0 12.6 37.6

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022



#95  
Naphthalene  
Concen: 38.604 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.001 min  
Lab File: VY007153.D  
Acq: 13 Jan 2022 20:37



Tgt Ion:128 Resp: 141743  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.3 15.5  
129 11.1 8.9 13.3

