

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
 Data File : VY008400.D  
 Acq On : 19 Apr 2022 16:53  
 Operator : KP/MD  
 Sample : N2452-03RE  
 Misc : 4.53g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-15-1-3-GRRE

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 04/20/2022  
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 06:30:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                       |                |      |                      |         |        |          |
| Internal Standards          |                |      |                      |         |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 82275                | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691          | 114  | 139655               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490         | 117  | 91844                | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 43274                | 50.000  | ug/l   | 0.00     |
|                             |                |      |                      |         |        |          |
| System Monitoring Compounds |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143          | 65   | 44439                | 57.502  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 115.000%  |         |        |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 45100                | 55.912  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 111.820%  |         |        |          |
| 50) Toluene-d8              | 10.179         | 98   | 170780               | 61.875  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 123.740%  |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 75699                | 72.918  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 145.840%# |         |        |          |
|                             |                |      |                      |         |        |          |
| Target Compounds            |                |      |                      |         | Qvalue |          |
| 16) Acetone                 | 3.942          | 43   | 36099                | 194.202 | ug/l   | 91       |
| 17) Carbon Disulfide        | 4.198          | 76   | 12371                | 5.779   | ug/l   | 97       |
| 25) 2-Butanone              | 6.984          | 43   | 16884                | 58.089  | ug/l # | 81       |
| 31) Cyclohexane             | 7.783          | 56   | 19569                | 14.003  | ug/l # | 78       |
| 39) Methylcyclohexane       | 9.185          | 83   | 125979               | 76.015  | ug/l   | 86       |
| 52) Toluene                 | 10.246         | 92   | 8860                 | 3.506   | ug/l   | 96       |
| 67) Ethyl Benzene           | 11.593         | 91   | 14534                | 4.291   | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.703         | 106  | 19536                | 14.502  | ug/l   | 73       |
| 69) o-Xylene                | 12.026         | 106  | 16778                | 12.835  | ug/l   | 81       |
| 73) Isopropylbenzene        | 12.331         | 105  | 49100                | 15.261  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 6915                 | 2.621   | ug/l   | 97       |
| 83) tert-Butylbenzene       | 13.075         | 119  | 11715m               | 4.950   | ug/l   |          |
| 84) 1,2,4-Trimethylbenzene  | 13.123         | 105  | 15606                | 5.977   | ug/l   | 95       |
| 85) sec-Butylbenzene        | 13.257         | 105  | 45792                | 13.051  | ug/l # | 68       |
| 86) p-Isopropyltoluene      | 13.373         | 119  | 10871                | 3.713   | ug/l # | 53       |
| 89) n-Butylbenzene          | 13.696         | 91   | 30778                | 11.634  | ug/l # | 79       |

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

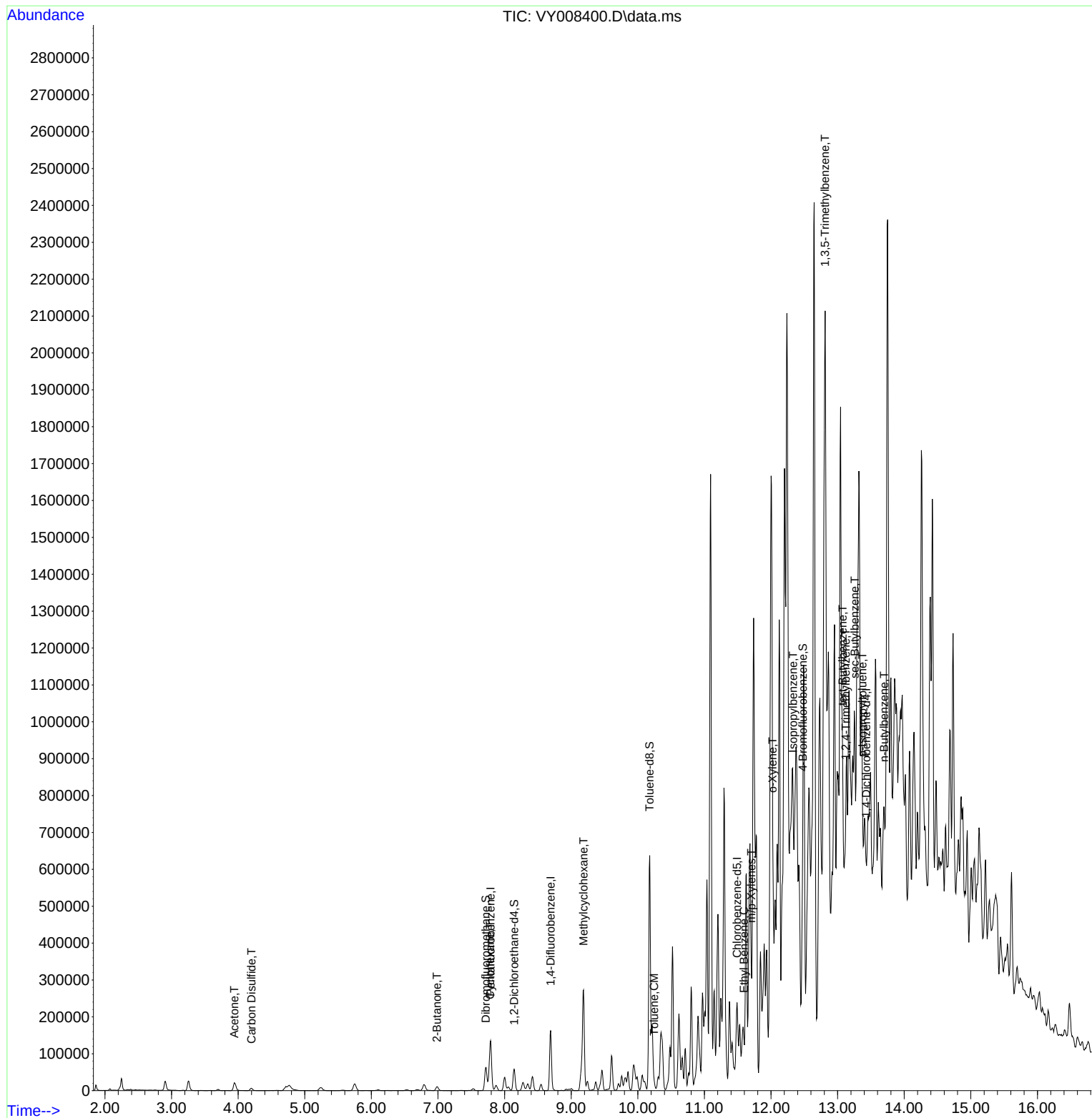
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
Data File : VY008400.D  
Acq On : 19 Apr 2022 16:53  
Operator : KP/MD  
Sample : N2452-03RE  
Misc : 4.53g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

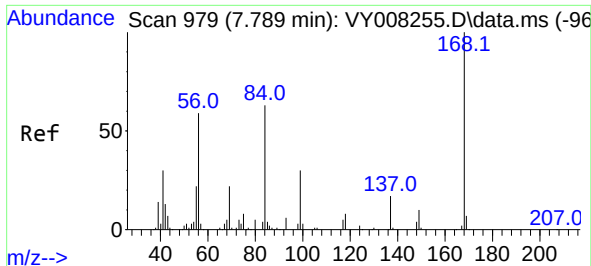
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE

Quant Time: Apr 20 06:30:02 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

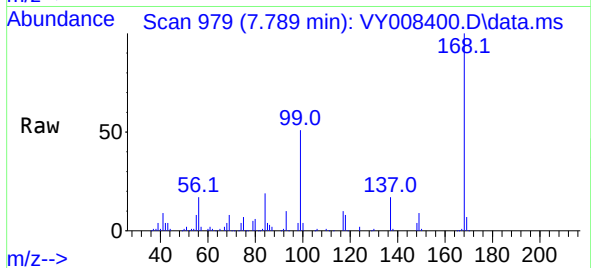
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

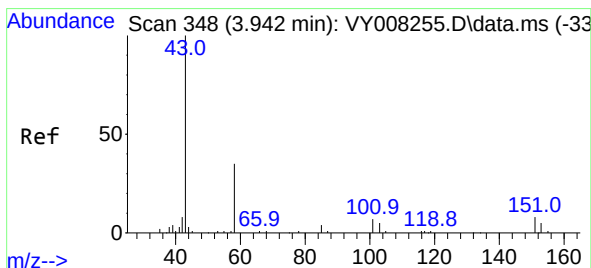
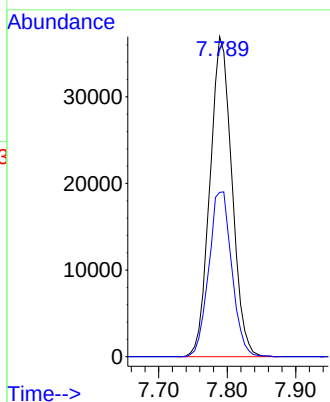
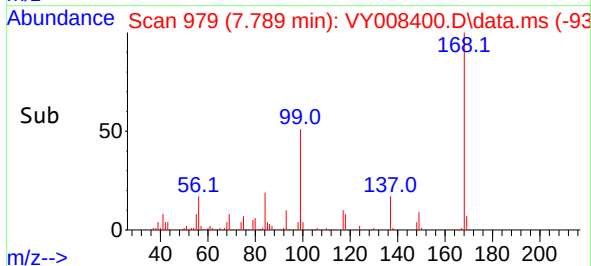
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



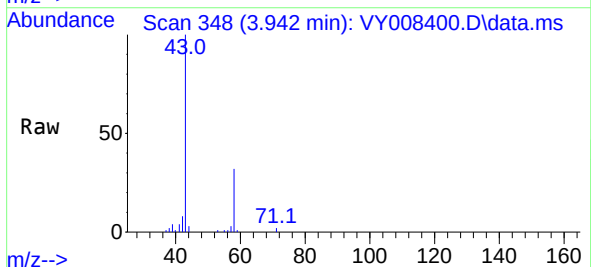
Tgt Ion:168 Resp: 82275  
Ion Ratio Lower Upper  
168 100  
99 51.3 46.9 70.3

Manual Integrations  
APPROVED

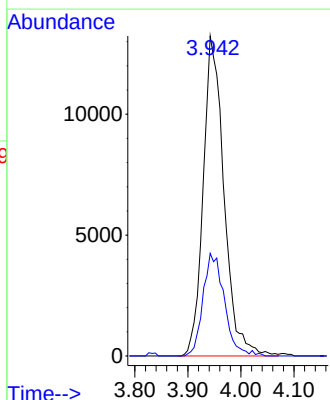
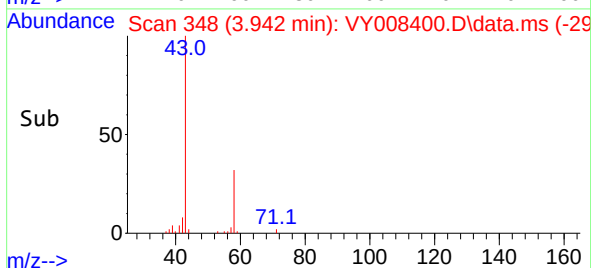
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

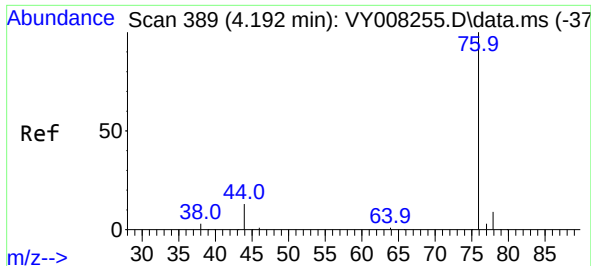


#16  
Acetone  
Concen: 194.202 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



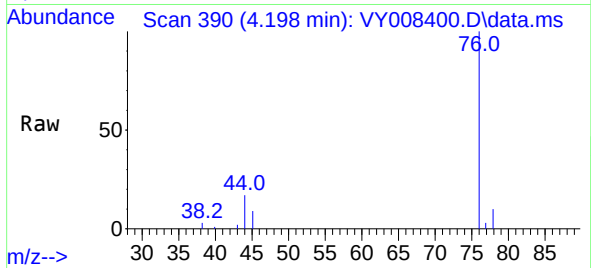
Tgt Ion: 43 Resp: 36099  
Ion Ratio Lower Upper  
43 100  
58 32.0 22.0 33.0





#17  
Carbon Disulfide  
Concen: 5.779 ug/l  
RT: 4.198 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

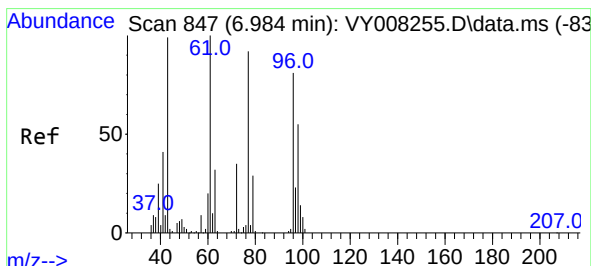
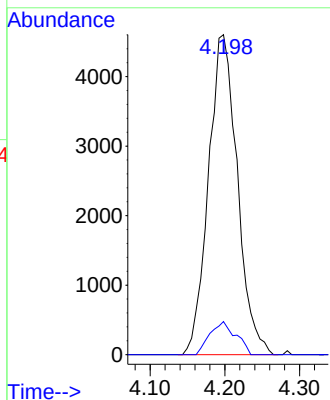
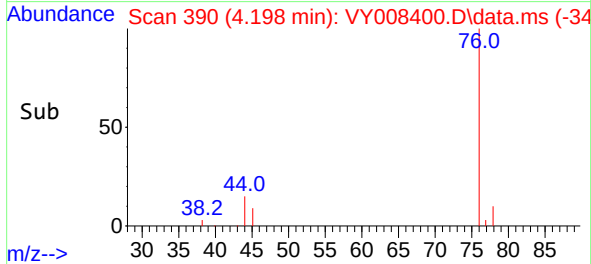
Instrument :  
MSVOA\_Y  
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WC-15-1-3-GRRE



Tgt Ion: 76 Resp: 1237  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0

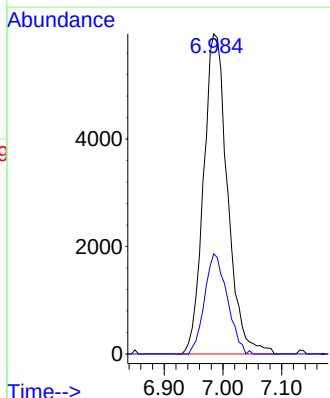
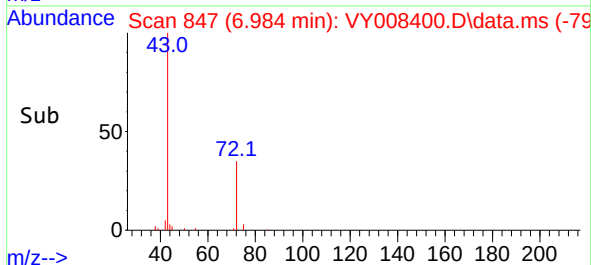
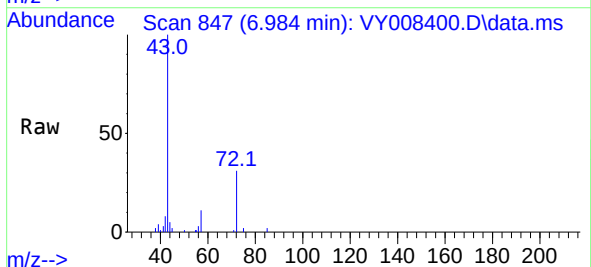
Manual Integrations  
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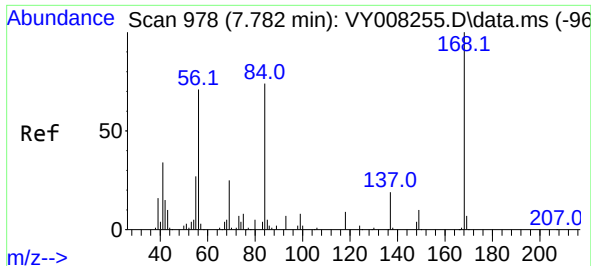
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022



#25  
2-Butanone  
Concen: 58.089 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

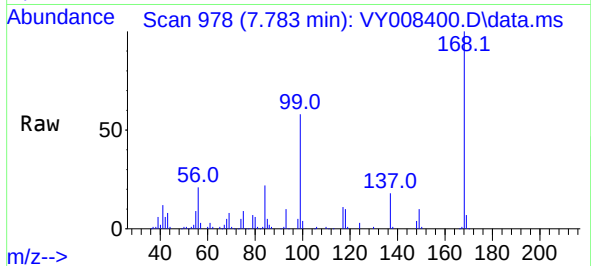
Tgt Ion: 43 Resp: 16884  
Ion Ratio Lower Upper  
43 100  
72 31.3 17.7 26.5#





#31  
Cyclohexane  
Concen: 14.003 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

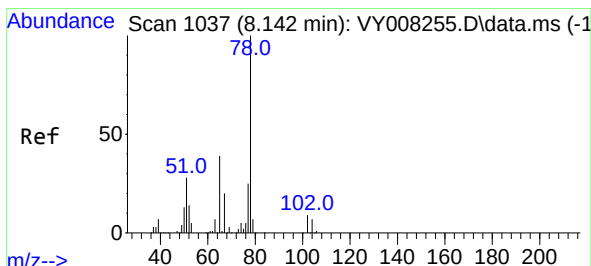
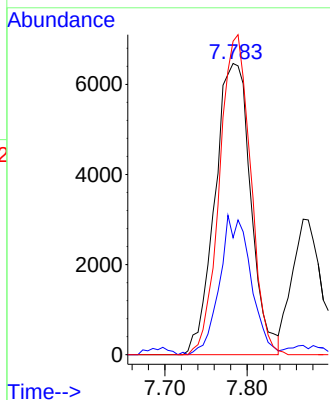
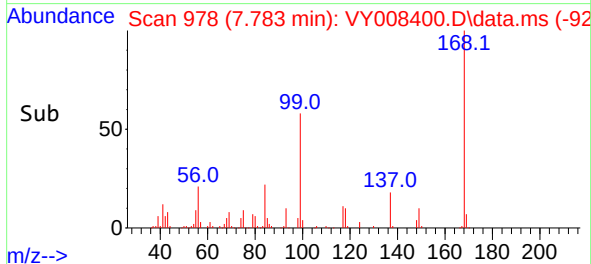
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



Tgt Ion: 56 Resp: 1956  
Ion Ratio Lower Upper  
56 100  
69 40.1 26.7 40.1  
84 107.6 67.2 100.8

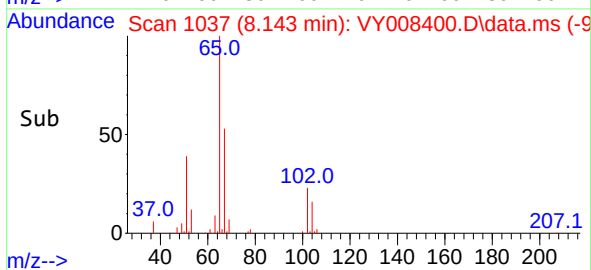
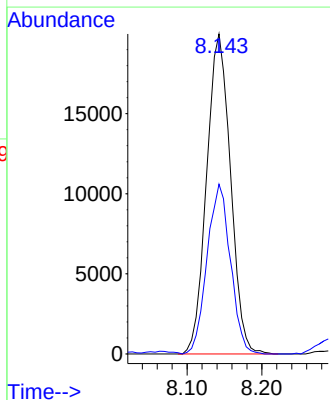
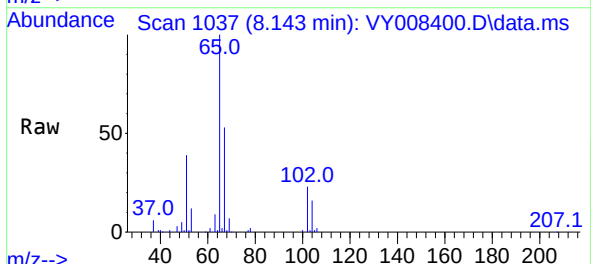
Manual Integrations  
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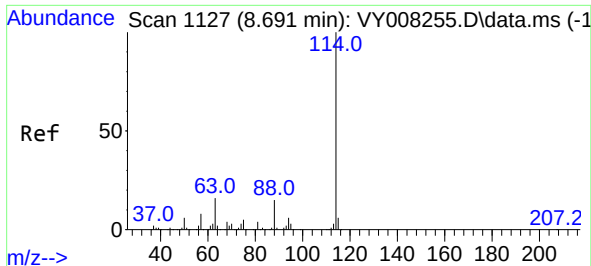
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022



#33  
1,2-Dichloroethane-d4  
Concen: 57.502 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

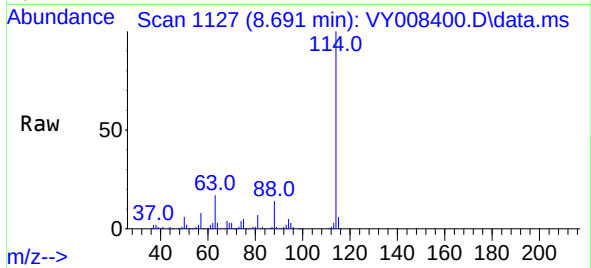
Tgt Ion: 65 Resp: 44439  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 99.4





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

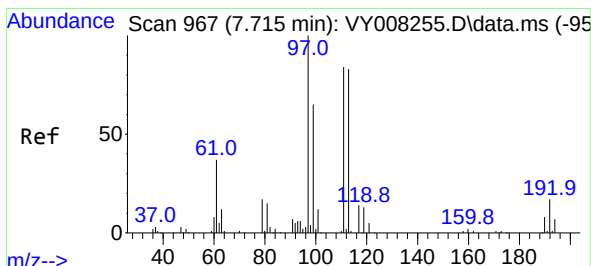
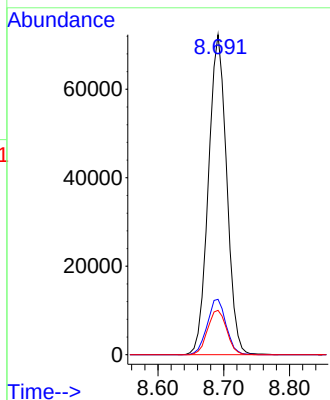
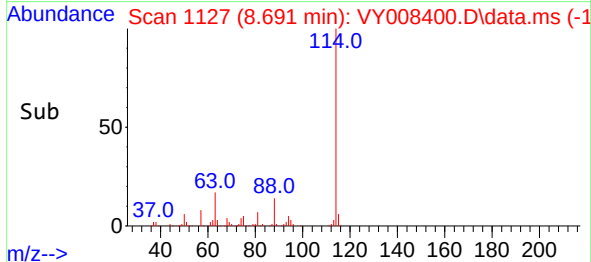
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MSVOA\_Y  
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WC-15-1-3-GRRE



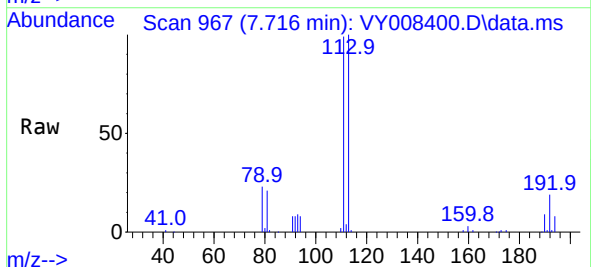
Tgt Ion:114 Resp: 13965  
Ion Ratio Lower Upper  
114 100  
63 17.3 0.0 43.2  
88 13.9 0.0 31.8

Manual Integrations  
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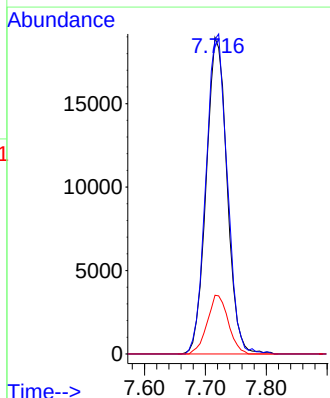
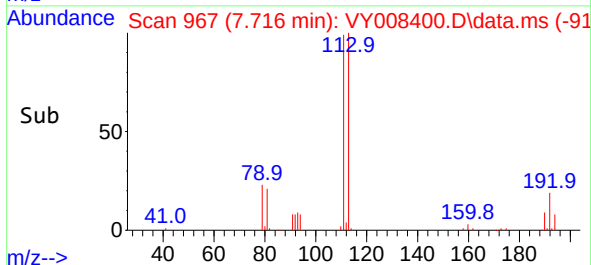
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

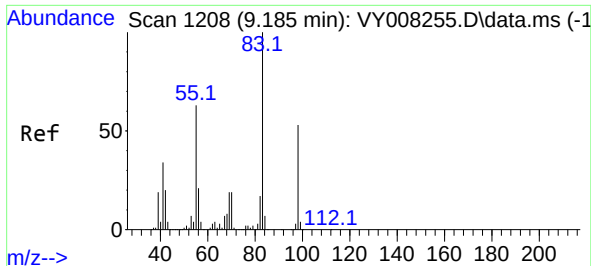


#35  
Dibromofluoromethane  
Concen: 55.912 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



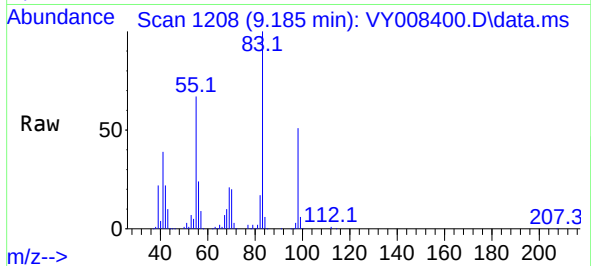
Tgt Ion:113 Resp: 45100  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.6 124.0  
192 18.7 17.6 26.4





#39  
Methylcyclohexane  
Concen: 76.015 ug/l  
RT: 9.185 min Scan# 1208  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

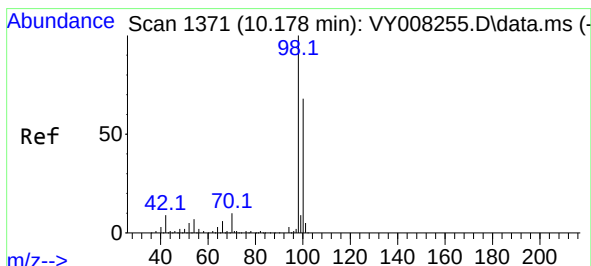
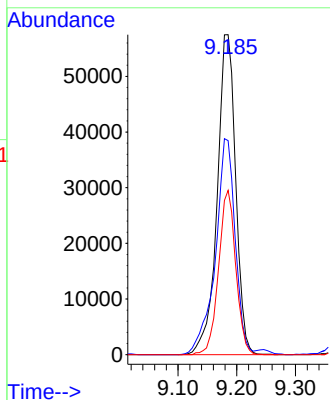
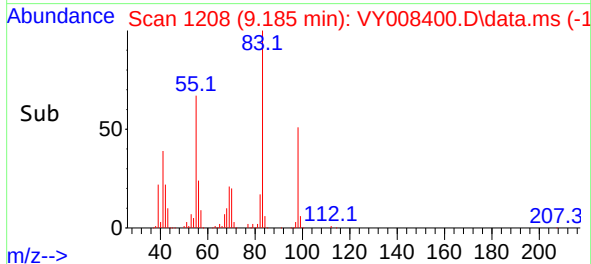
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



Tgt Ion: 83 Resp: 125979  
Ion Ratio Lower Upper  
83 100  
55 66.9 66.5 99.7  
98 51.4 37.9 56.9

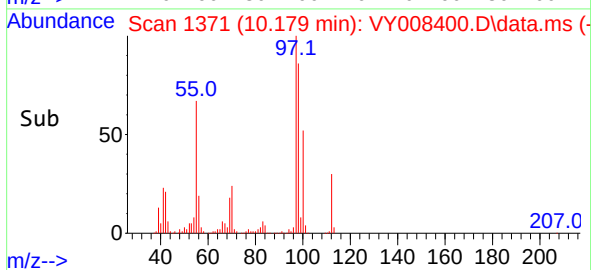
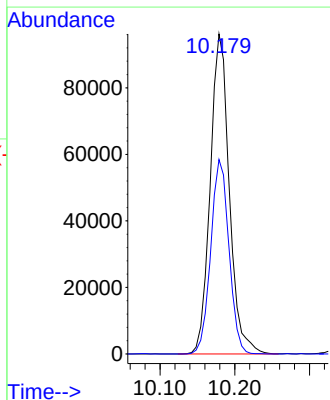
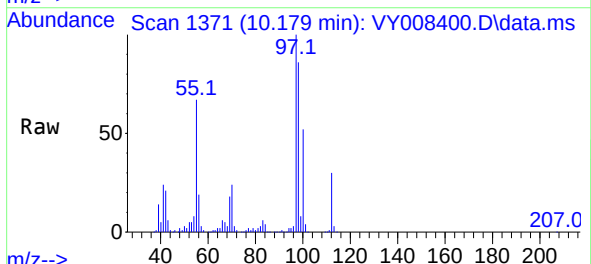
Manual Integrations  
APPROVED

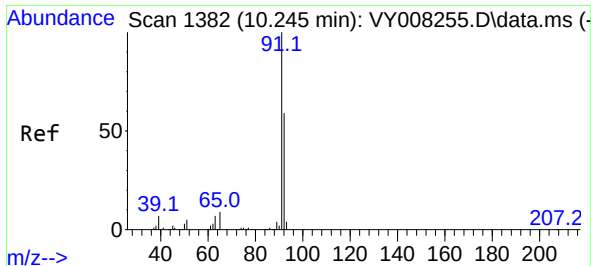
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022



#50  
Toluene-d8  
Concen: 61.875 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

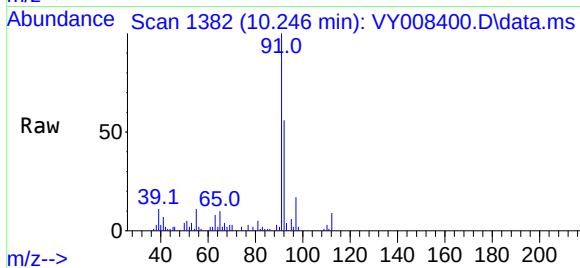
Tgt Ion: 98 Resp: 170780  
Ion Ratio Lower Upper  
98 100  
100 58.0 50.2 75.2





#52  
Toluene  
Concen: 3.506 ug/l  
RT: 10.246 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

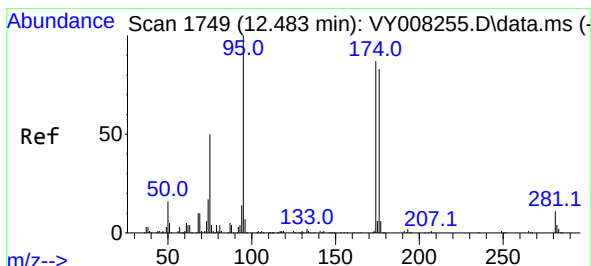
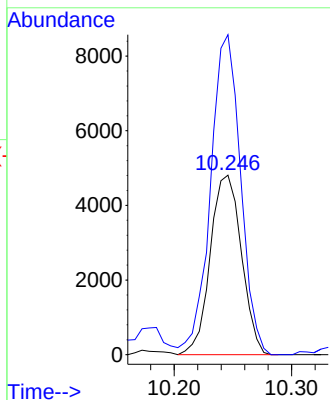
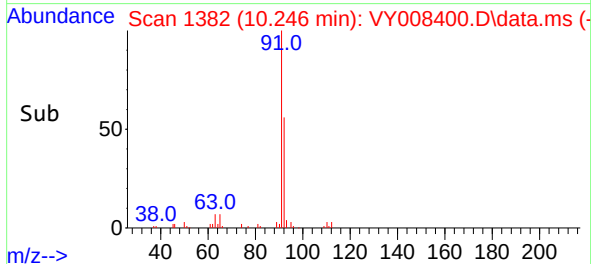
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



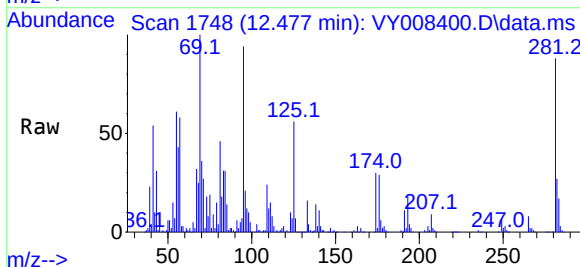
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Ion Ratio Lower Upper  
92 100  
91 172.2 142.6 213.8

Manual Integrations  
APPROVED

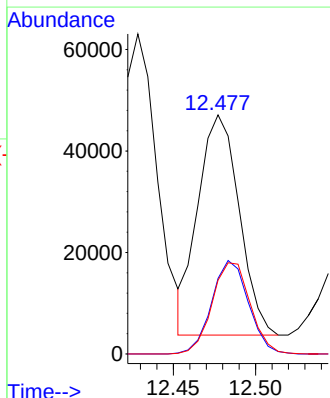
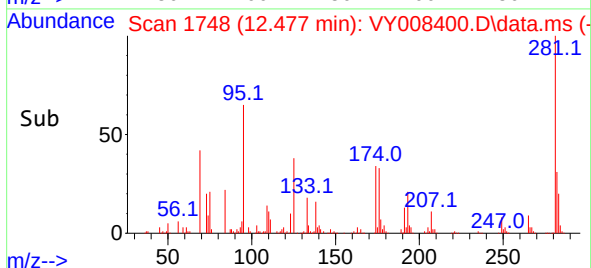
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022



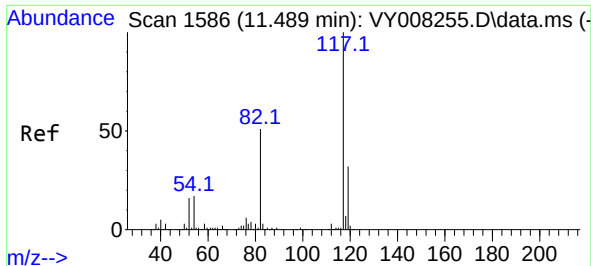
#62  
4-Bromofluorobenzene  
Concen: 72.918 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



Tgt Ion: 95 Resp: 75699  
Ion Ratio Lower Upper  
95 100  
174 37.9 0.0 177.0  
176 38.4 0.0 175.8

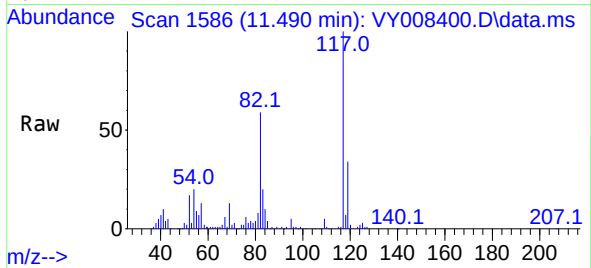






#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

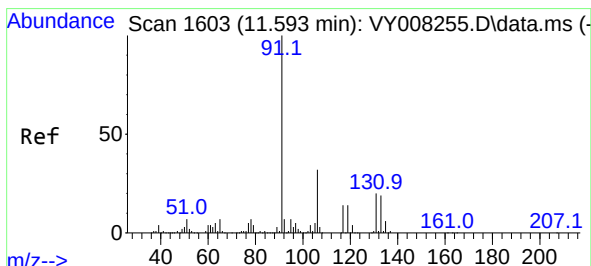
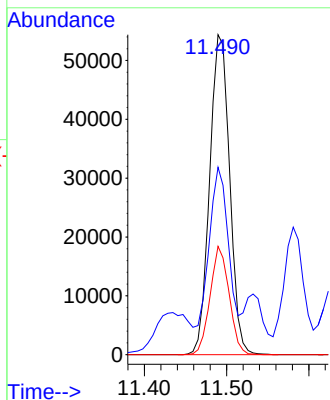
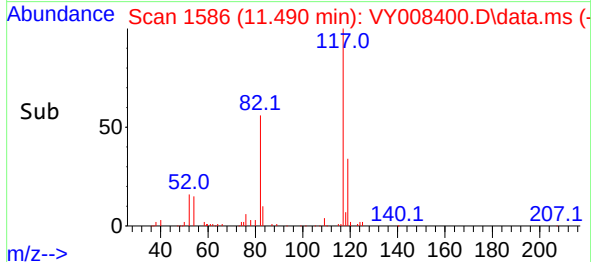
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



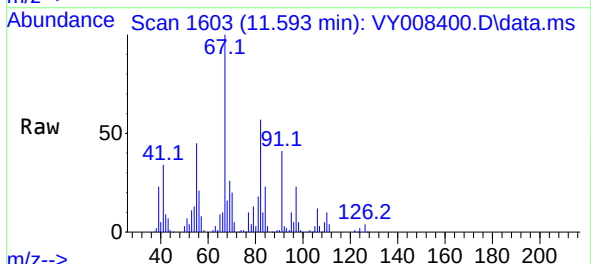
Tgt Ion: 117 Resp: 91844  
Ion Ratio Lower Upper  
117 100  
82 47.3 43.0 64.4  
119 33.9 25.4 38.0

Manual Integrations  
APPROVED

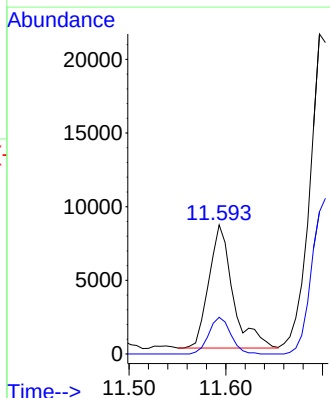
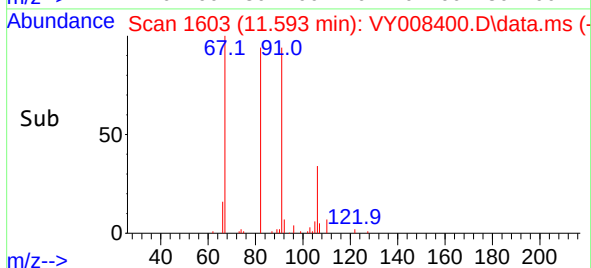
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

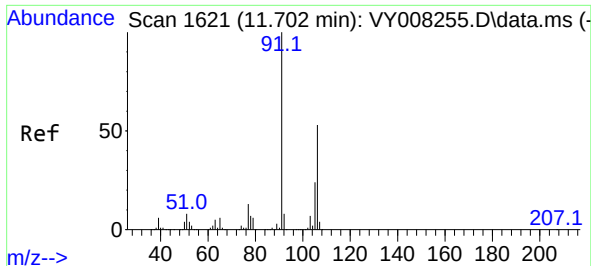


#67  
Ethyl Benzene  
Concen: 4.291 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



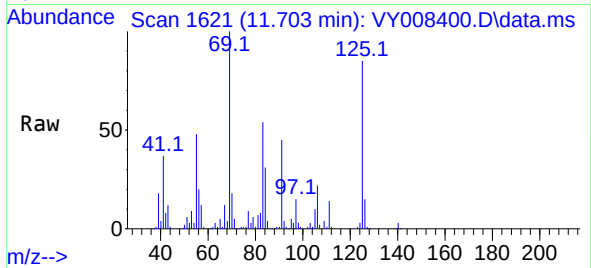
Tgt Ion: 91 Resp: 14534  
Ion Ratio Lower Upper  
91 100  
106 29.7 24.5 36.7





#68  
m/p-Xylenes  
Concen: 14.502 ug/l  
RT: 11.703 min Scan# 106  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

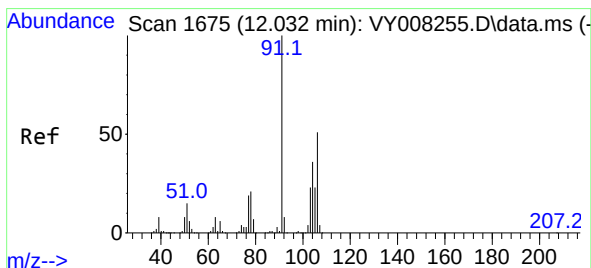
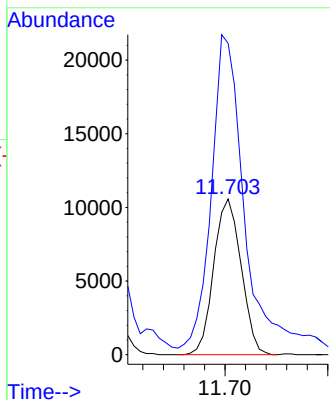
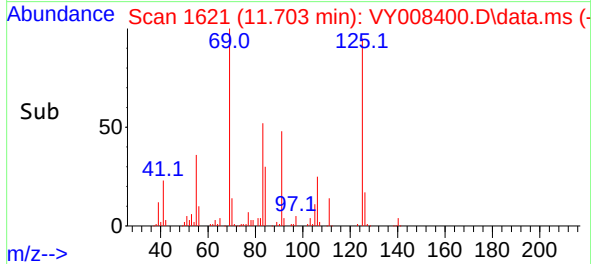
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



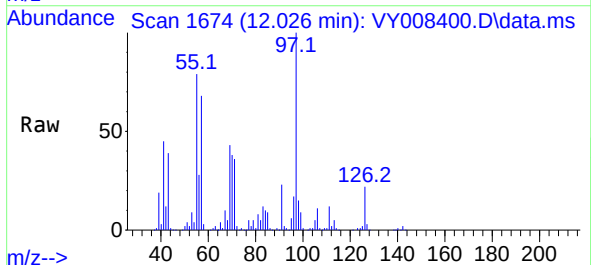
Tgt Ion:106 Resp: 19530  
Ion Ratio Lower Upper  
106 100  
91 249.6 166.6 249.8

Manual Integrations  
APPROVED

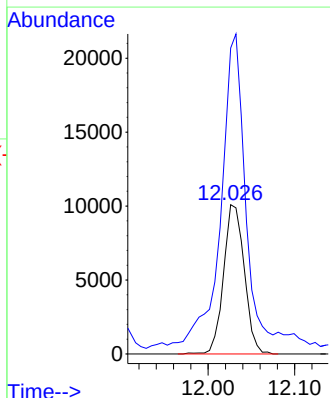
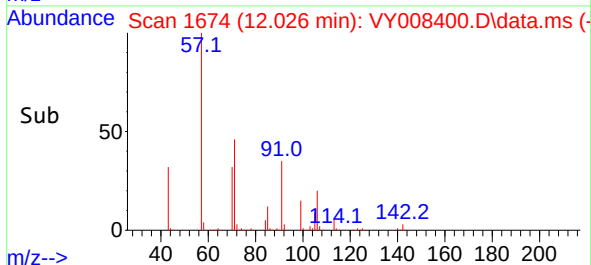
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

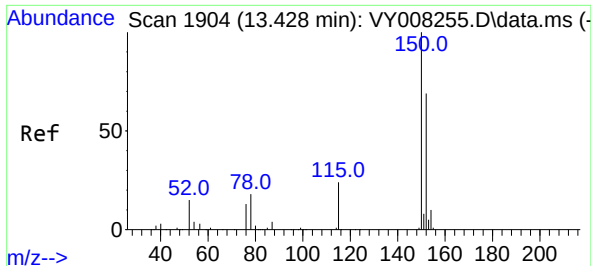


#69  
o-Xylene  
Concen: 12.835 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.006 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



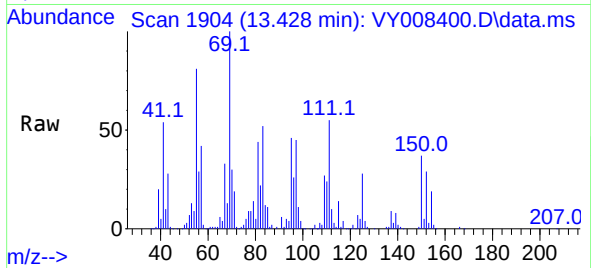
Tgt Ion:106 Resp: 16778  
Ion Ratio Lower Upper  
106 100  
91 251.5 110.3 331.0





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

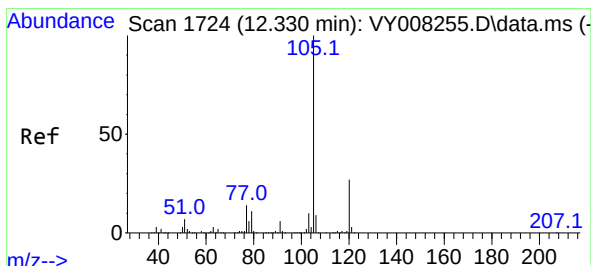
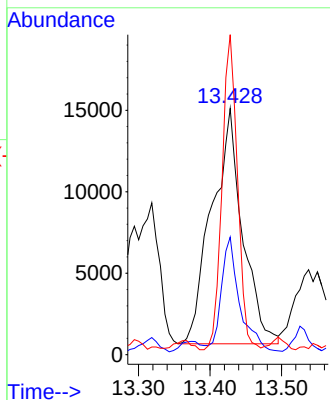
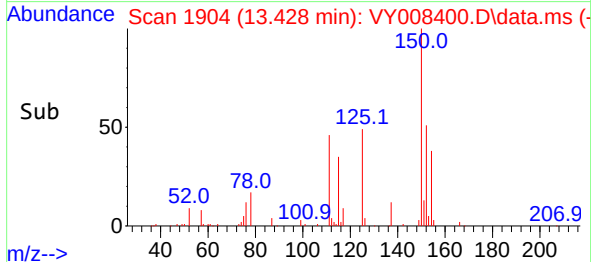
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



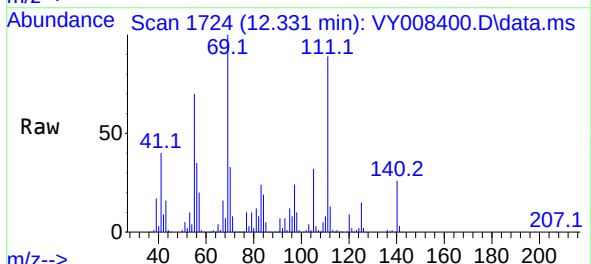
Tgt Ion:152 Resp: 43274  
Ion Ratio Lower Upper  
152 100  
115 28.9 28.2 84.7  
150 67.5 0.0 347.6

Manual Integrations  
APPROVED

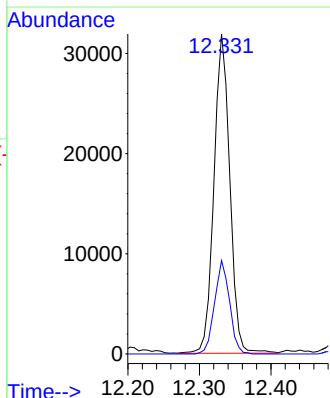
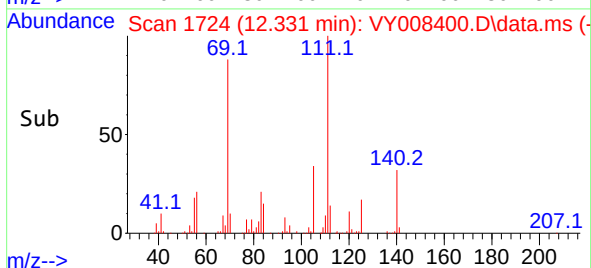
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

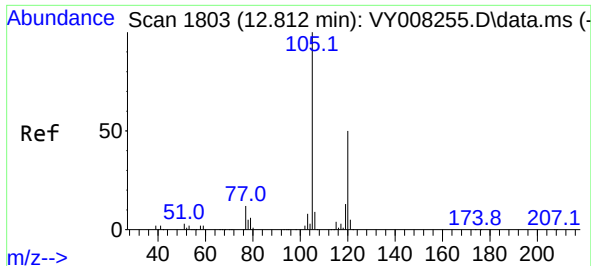


#73  
Isopropylbenzene  
Concen: 15.261 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



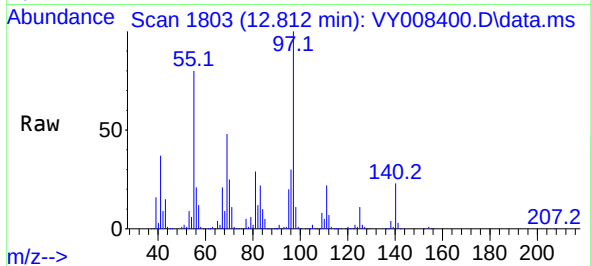
Tgt Ion:105 Resp: 49100  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.4 40.2





#80  
1,3,5-Trimethylbenzene  
Concen: 2.621 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

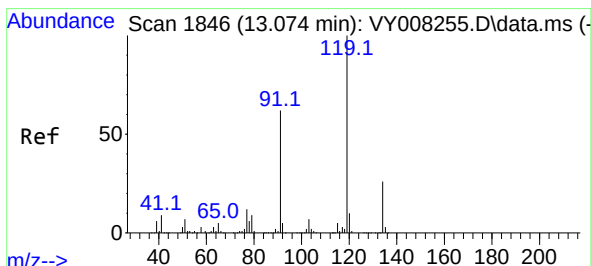
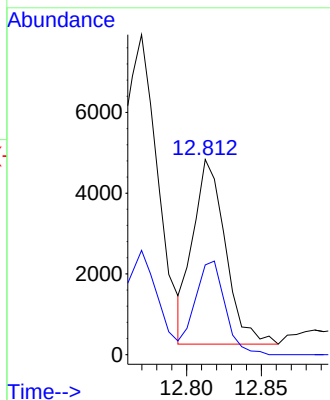
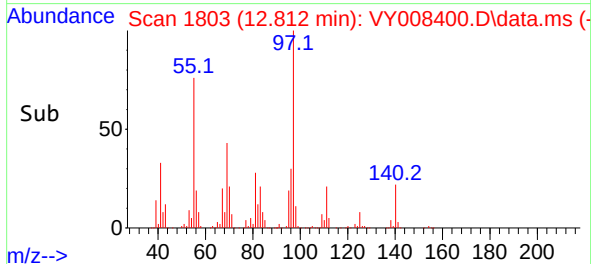
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



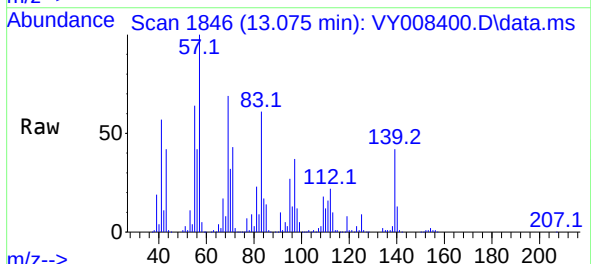
Tgt Ion:105 Resp: 6915  
Ion Ratio Lower Upper  
105 100  
120 47.0 24.4 73.4

Manual Integrations  
APPROVED

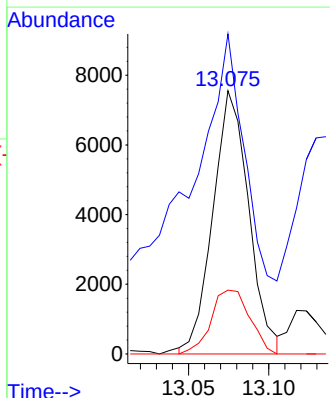
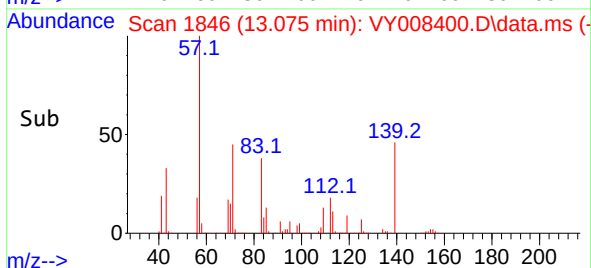
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

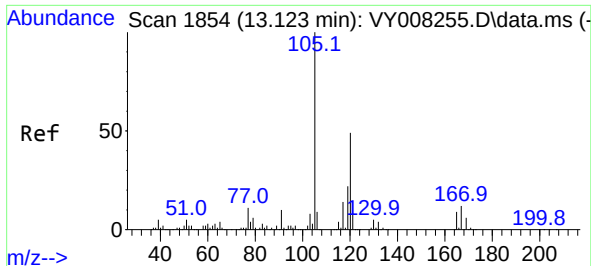


#83  
tert-Butylbenzene  
Concen: 4.950 ug/l m  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.001 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



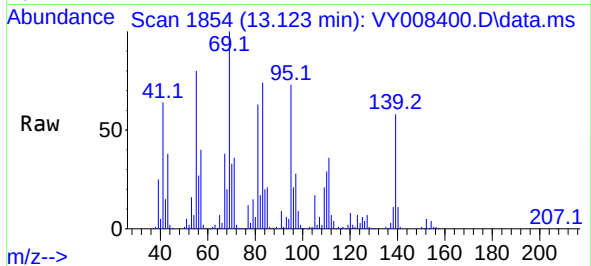
Tgt Ion:119 Resp: 11715  
Ion Ratio Lower Upper  
119 100  
91 88.9 34.8 104.4  
134 31.3 13.3 39.9





#84  
1,2,4-Trimethylbenzene  
Concen: 5.977 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

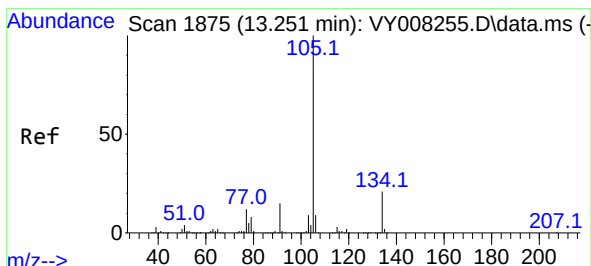
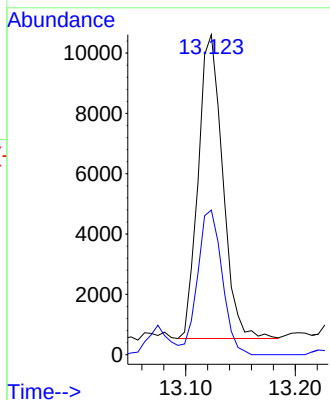
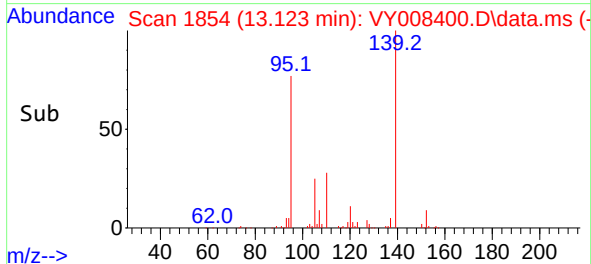
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



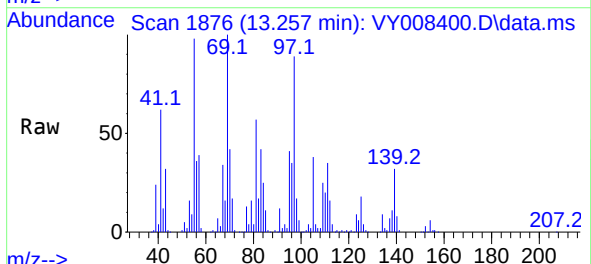
Tgt Ion:105 Resp: 15600  
Ion Ratio Lower Upper  
105 100  
120 47.9 22.3 66.9

Manual Integrations  
APPROVED

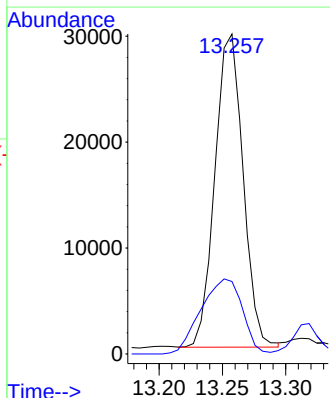
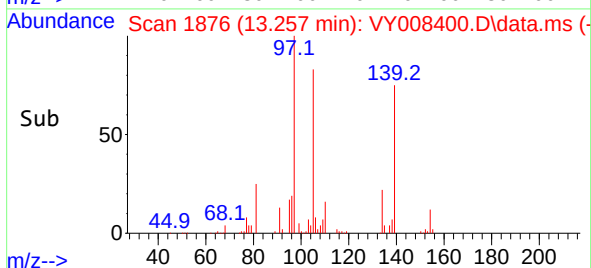
Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022

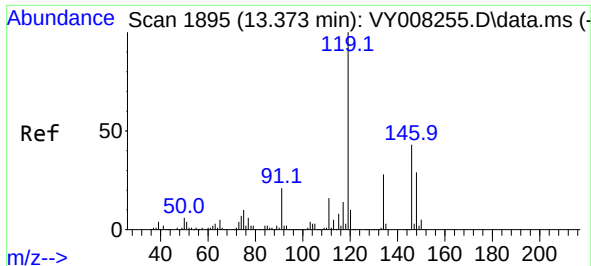


#85  
sec-Butylbenzene  
Concen: 13.051 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



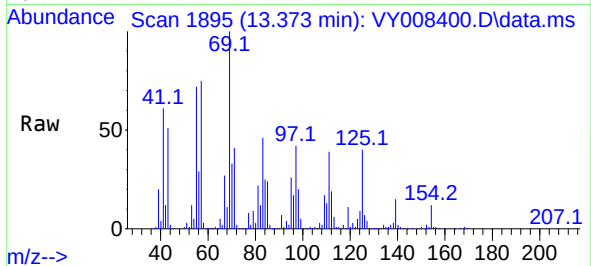
Tgt Ion:105 Resp: 45792  
Ion Ratio Lower Upper  
105 100  
134 35.2 10.2 30.4#





#86  
p-Isopropyltoluene  
Concen: 3.713 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53

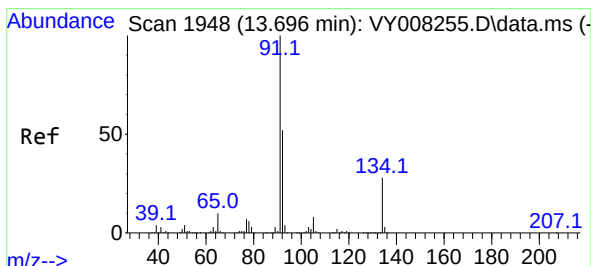
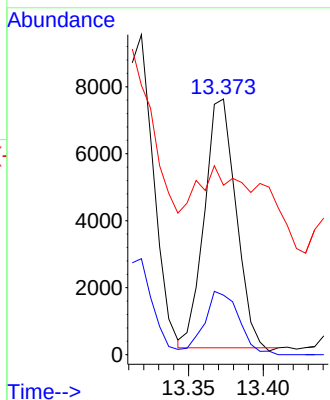
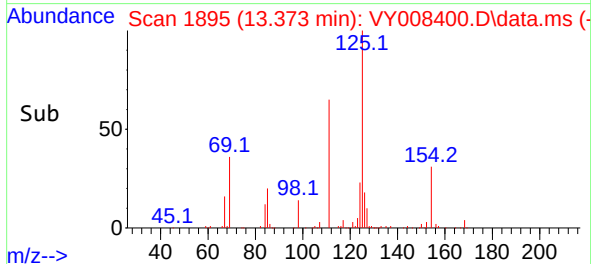
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-15-1-3-GRRE



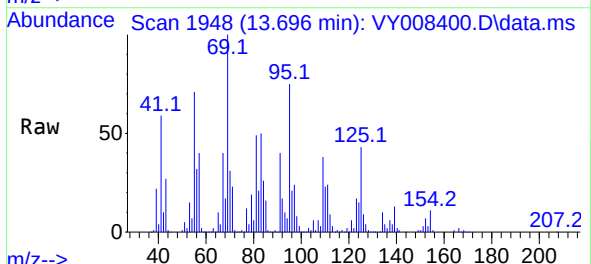
Tgt Ion: 119 Resp: 1087  
Ion Ratio Lower Upper  
119 100  
134 28.1 13.2 39.5  
91 71.5 12.4 37.2

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 04/20/2022  
Supervised By :Mahesh Dadoda 04/20/2022



#89  
n-Butylbenzene  
Concen: 11.634 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY008400.D  
Acq: 19 Apr 2022 16:53



Tgt Ion: 91 Resp: 30778  
Ion Ratio Lower Upper  
91 100  
92 48.0 26.3 78.9  
134 0.0 13.0 38.9

