

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020123\  
 Data File : VY012437.D  
 Acq On : 01 Feb 2023 13:06  
 Operator : KP/MD  
 Sample : 01270-03RE  
 Misc : 7.25g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JC-1-012323RE

Quant Time: Feb 01 23:04:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

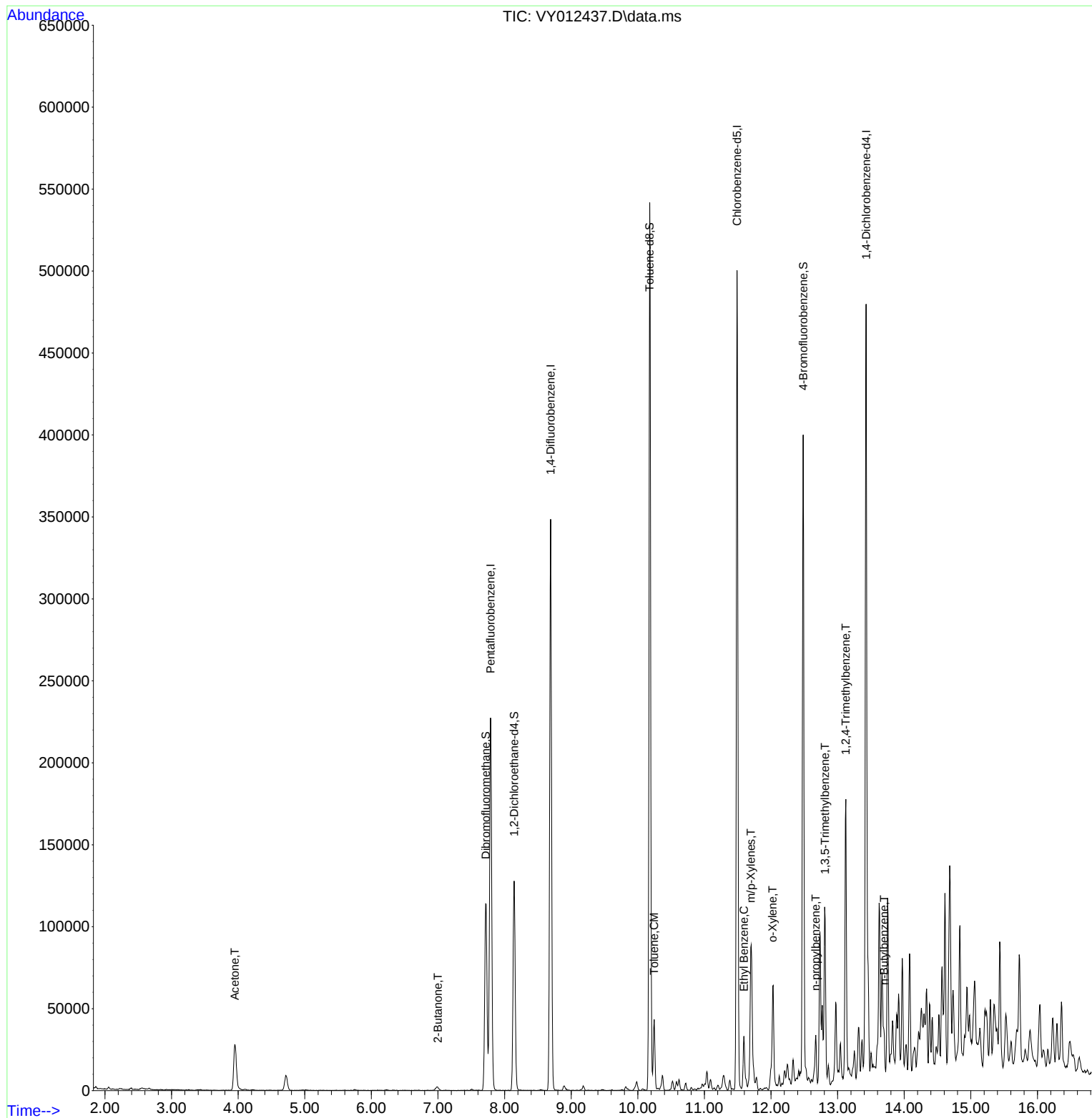
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 182399              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691          | 114  | 302709              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 281346              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 120541              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142          | 65   | 107502              | 72.906 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 145.820% |        |        |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 79608               | 49.667 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 99.340%  |        |        |          |
| 50) Toluene-d8              | 10.179         | 98   | 353611              | 64.970 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 129.940% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 116087              | 51.377 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 102.760% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 3.948          | 43   | 50767               | 99.955 | ug/l   | 99       |
| 25) 2-Butanone              | 6.996          | 43   | 2019                | 3.601  | ug/l # | 73       |
| 52) Toluene                 | 10.246         | 92   | 18382               | 3.511  | ug/l   | 98       |
| 67) Ethyl Benzene           | 11.593         | 91   | 20973               | 2.039  | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.697         | 106  | 25427               | 6.251  | ug/l   | 100      |
| 69) o-Xylene                | 12.026         | 106  | 15636               | 4.024  | ug/l   | 96       |
| 78) n-propylbenzene         | 12.672         | 91   | 22532               | 2.215  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 26221               | 3.470  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.123         | 105  | 94933               | 12.740 | ug/l   | 97       |
| 89) n-Butylbenzene          | 13.696         | 91   | 12607               | 1.776  | ug/l # | 77       |
| -----                       |                |      |                     |        |        |          |

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

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JC-1-012323RE

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QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

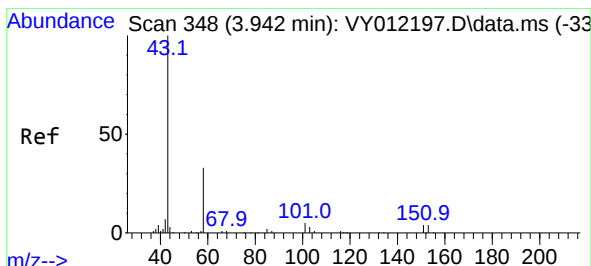
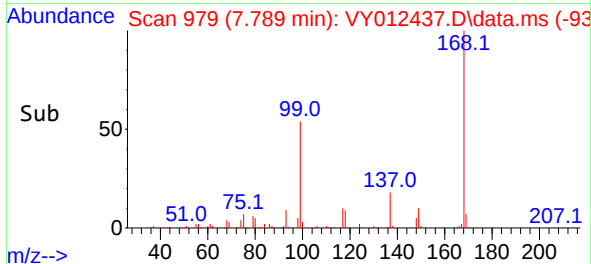
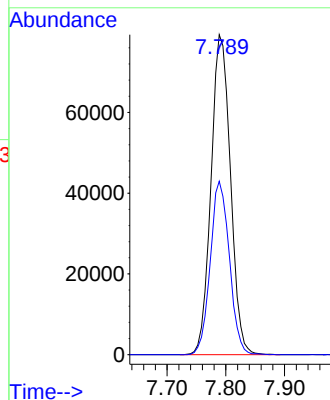
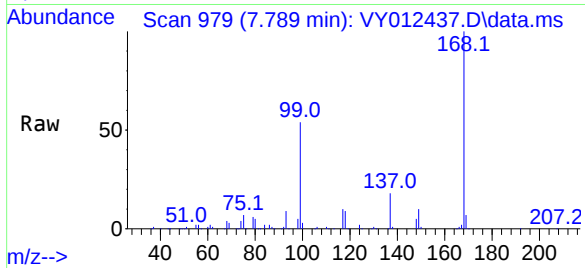




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

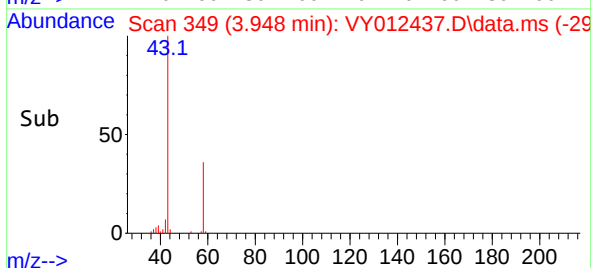
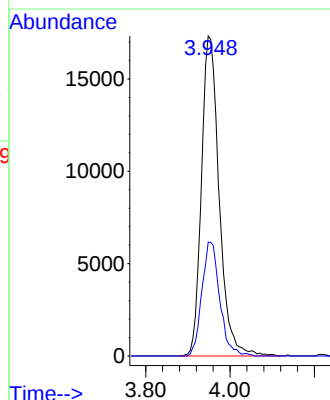
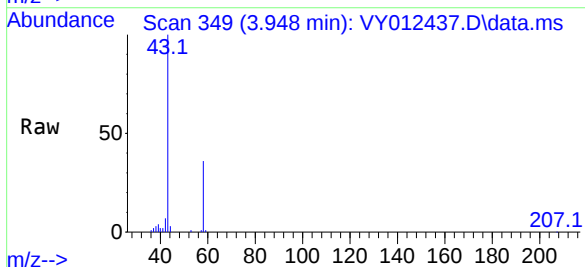
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-1-012323RE

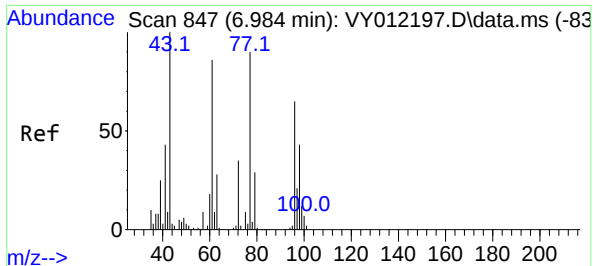
Tgt Ion:168 Resp: 182399  
Ion Ratio Lower Upper  
168 100  
99 54.2 44.0 66.0



#16  
Acetone  
Concen: 99.955 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion: 43 Resp: 50767  
Ion Ratio Lower Upper  
43 100  
58 35.6 27.9 41.9





#25

2-Butanone

Concen: 3.601 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY012437.D

Acq: 01 Feb 2023 13:06

Instrument :

MSVOA\_Y

ClientSampleId :

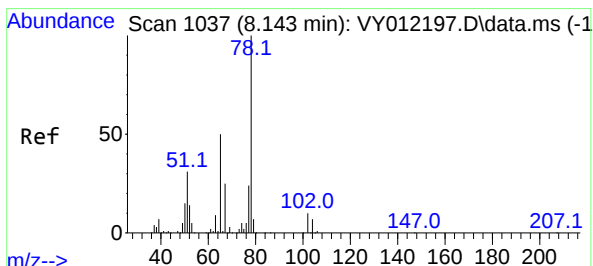
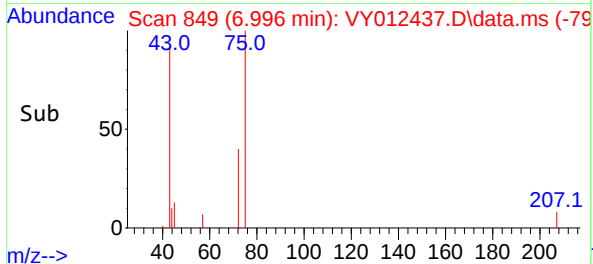
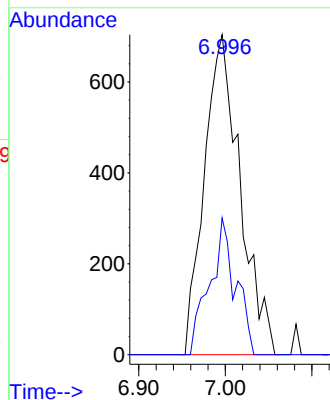
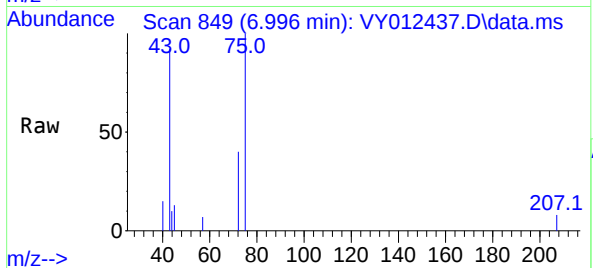
JC-1-012323RE

Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

72 42.8 22.6 34.0#



#33

1,2-Dichloroethane-d4

Concen: 72.906 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012437.D

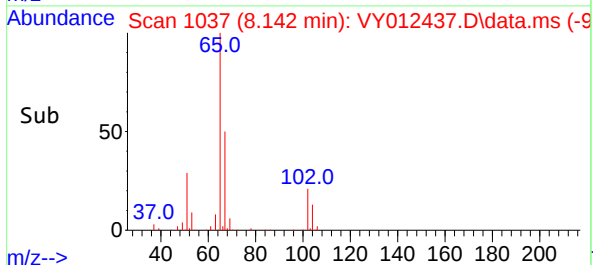
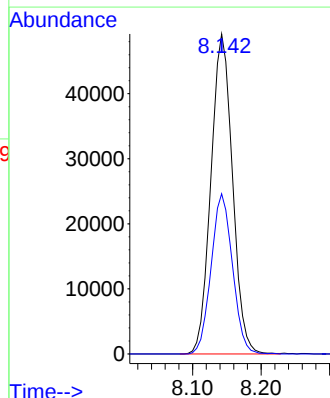
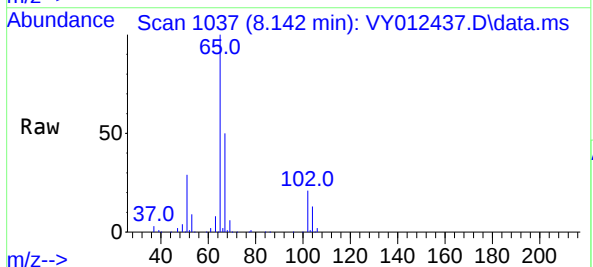
Acq: 01 Feb 2023 13:06

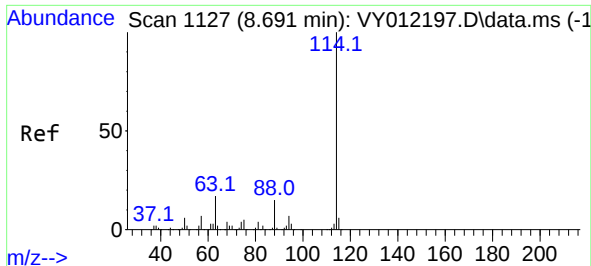
Tgt Ion: 65 Resp: 107502

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012437.D

Acq: 01 Feb 2023 13:06

Instrument :

MSVOA\_Y

ClientSampleId :

JC-1-012323RE

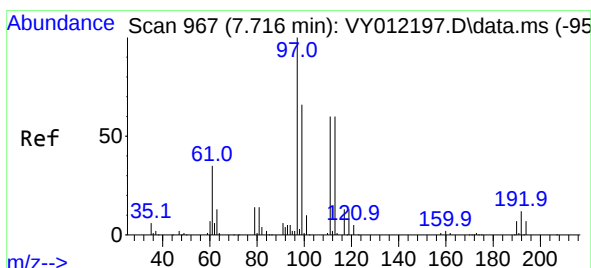
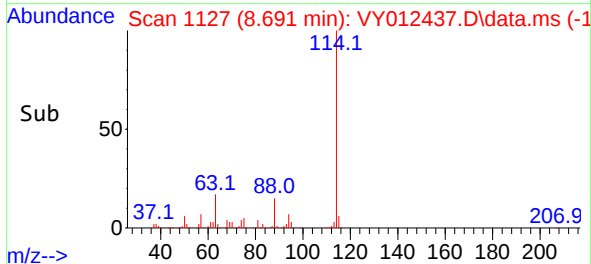
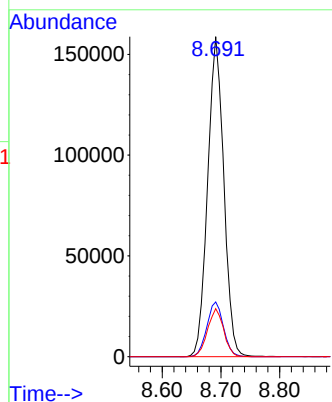
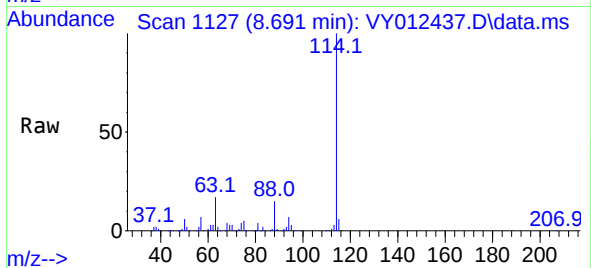
Tgt Ion:114 Resp: 302709

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.667 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012437.D

Acq: 01 Feb 2023 13:06

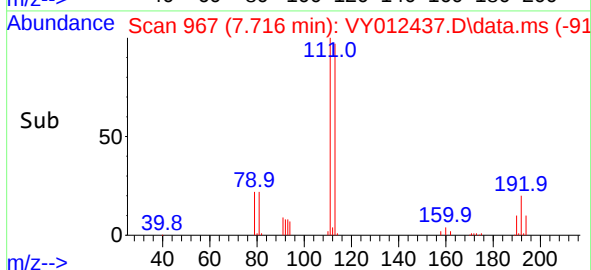
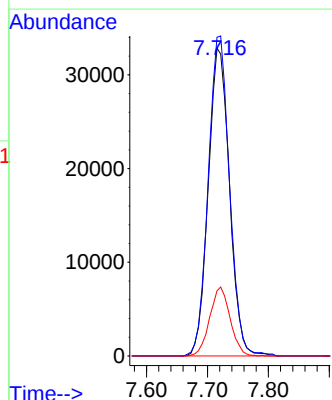
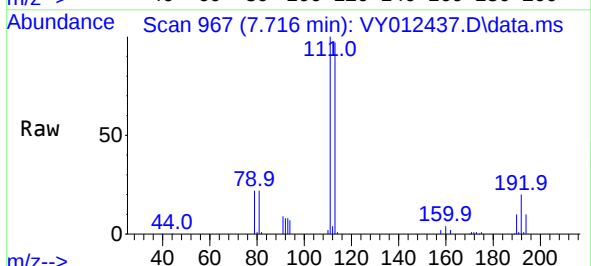
Tgt Ion:113 Resp: 79608

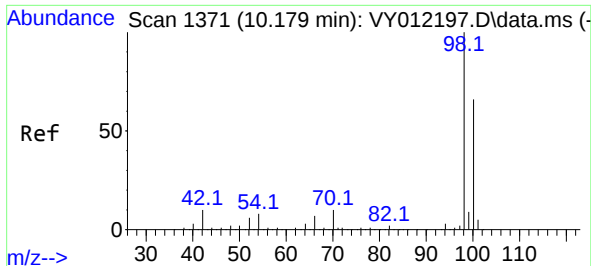
Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.4

192 21.5 16.0 24.0

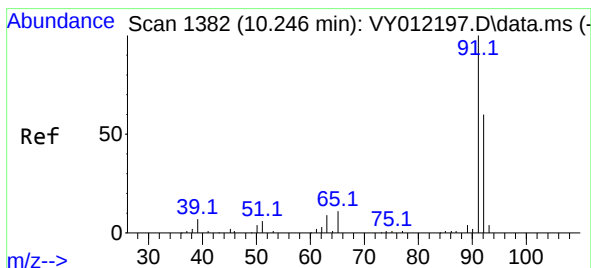
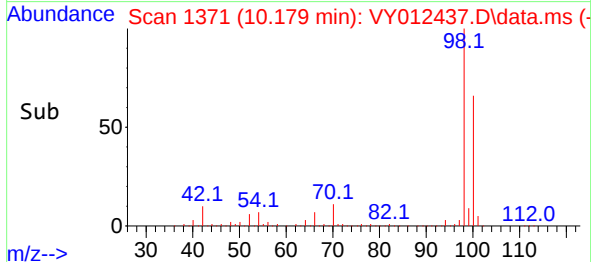
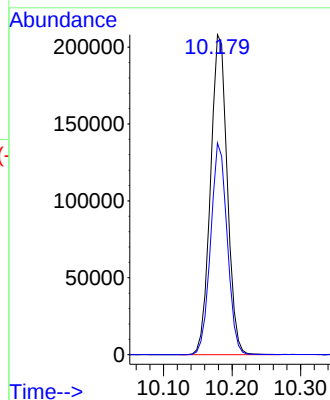
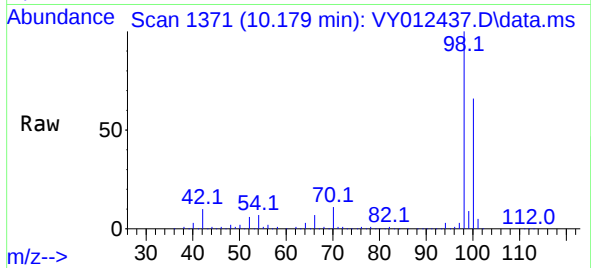




#50  
Toluene-d8  
Concen: 64.970 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

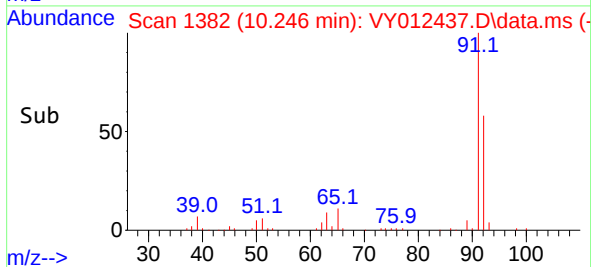
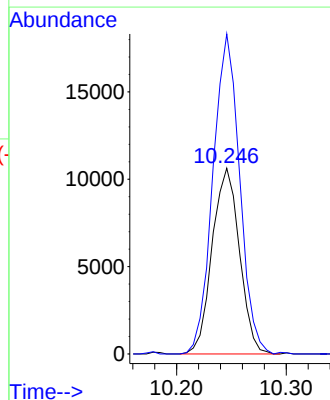
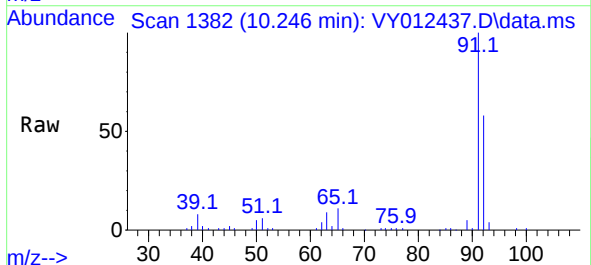
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-1-012323RE

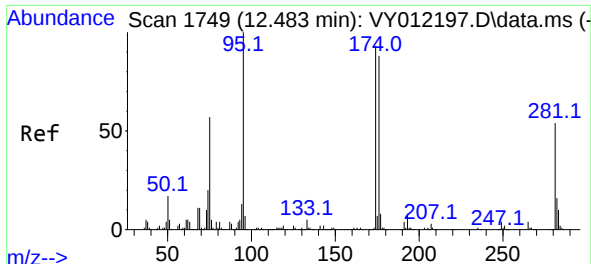
Tgt Ion: 98 Resp: 353611  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.9 77.9



#52  
Toluene  
Concen: 3.511 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion: 92 Resp: 18382  
Ion Ratio Lower Upper  
92 100  
91 169.0 137.4 206.0

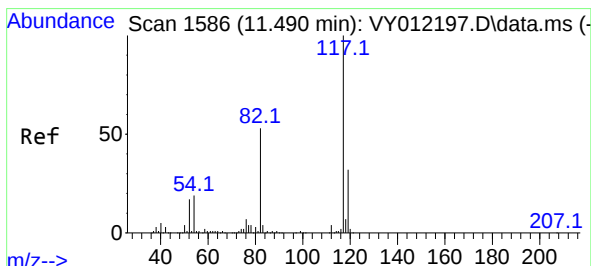
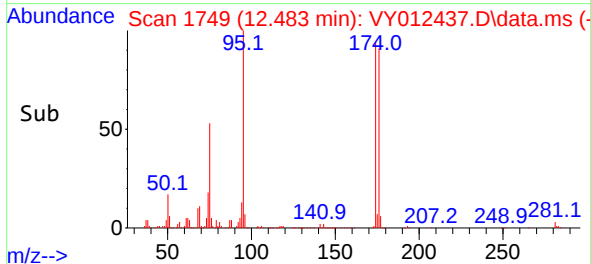
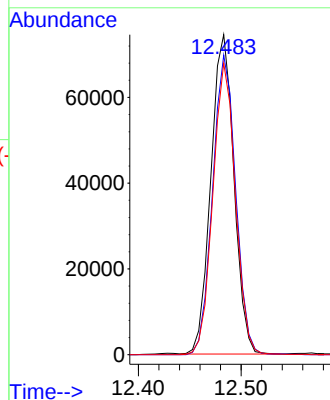
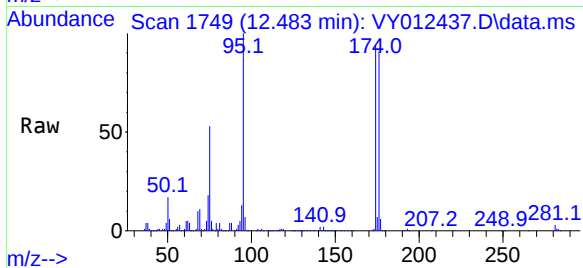




#62  
4-Bromofluorobenzene  
Concen: 51.377 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

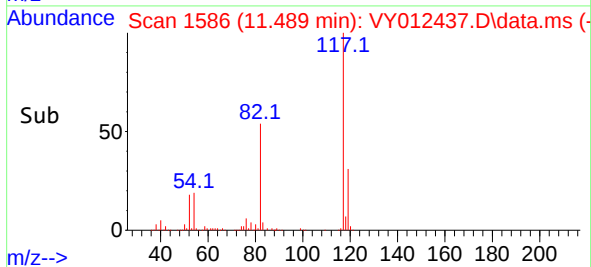
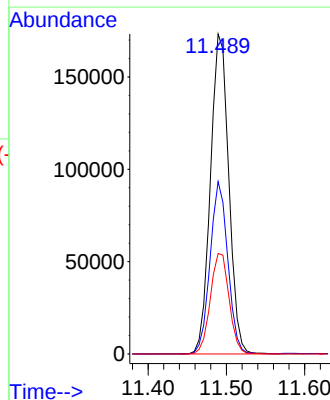
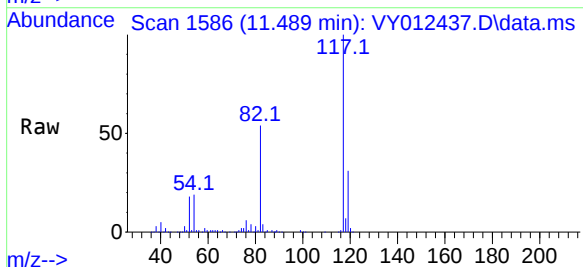
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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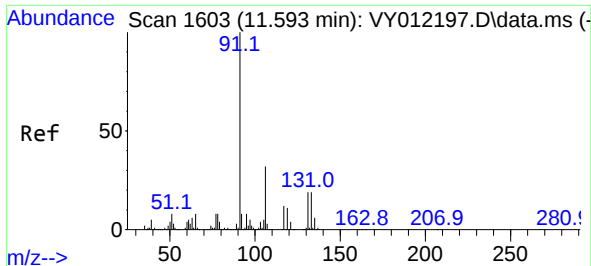
Tgt Ion: 95 Resp: 116087  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 172.0  
176 89.3 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion: 117 Resp: 281346  
Ion Ratio Lower Upper  
117 100  
82 53.8 44.8 67.2  
119 31.4 25.4 38.2





#67

Ethyl Benzene

Concen: 2.039 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012437.D

Acq: 01 Feb 2023 13:06

Instrument :

MSVOA\_Y

ClientSampleId :

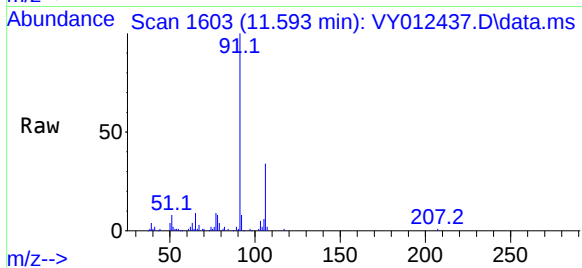
JC-1-012323RE

Tgt Ion: 91 Resp: 20973

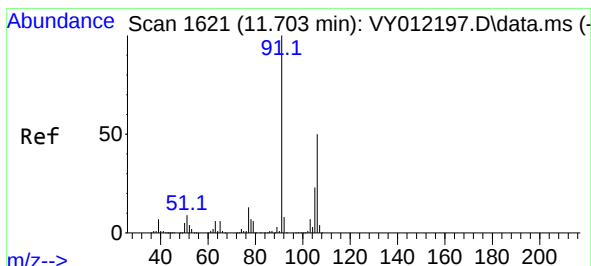
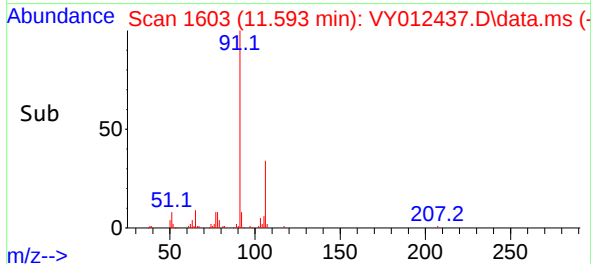
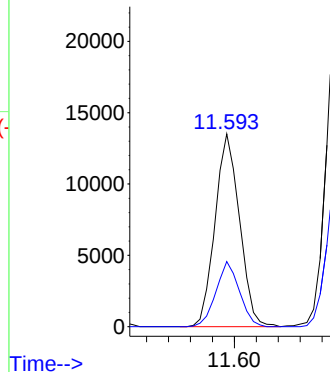
Ion Ratio Lower Upper

91 100

106 33.8 25.0 37.4



Abundance



#68

m/p-Xylenes

Concen: 6.251 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY012437.D

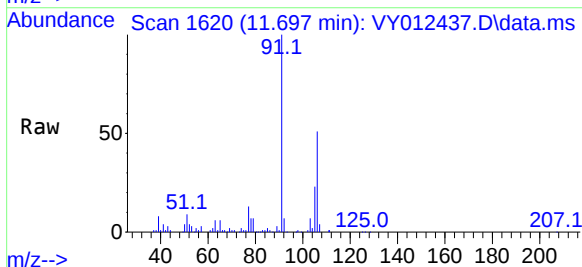
Acq: 01 Feb 2023 13:06

Tgt Ion: 106 Resp: 25427

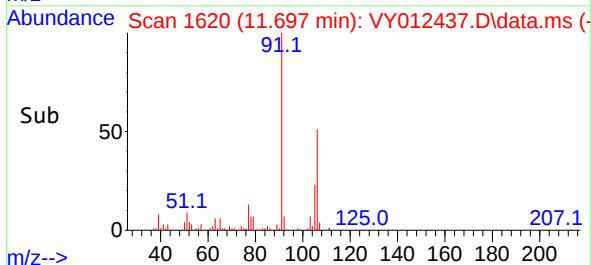
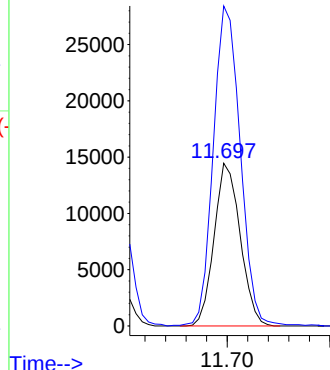
Ion Ratio Lower Upper

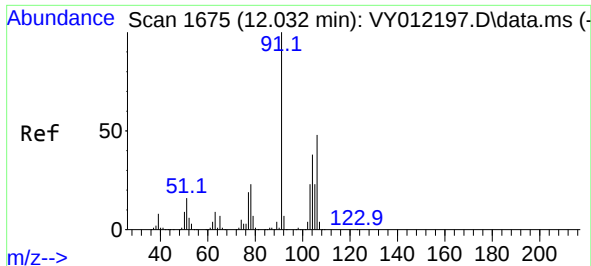
106 100

91 203.8 162.5 243.7



Abundance

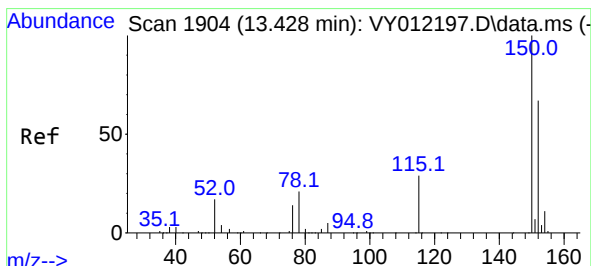
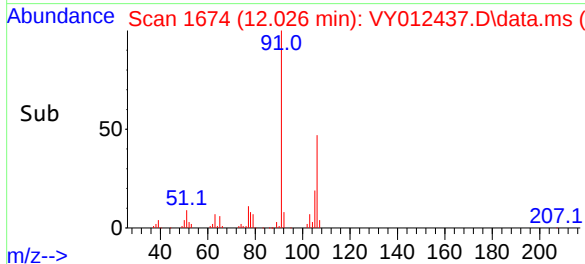
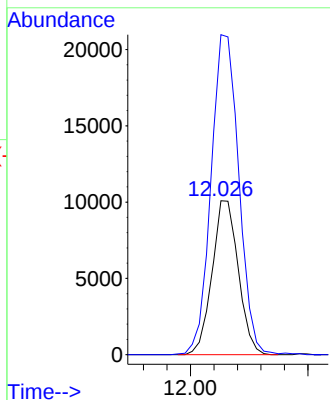
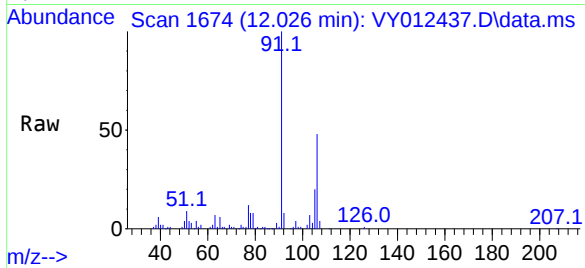




#69  
o-Xylene  
Concen: 4.024 ug/l  
RT: 12.026 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

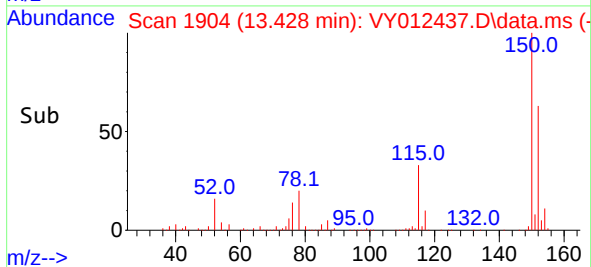
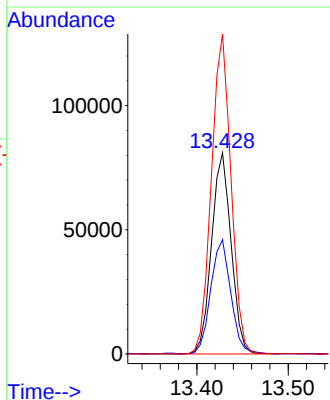
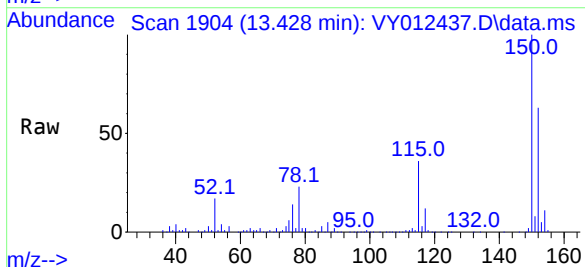
Instrument :  
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JC-1-012323RE

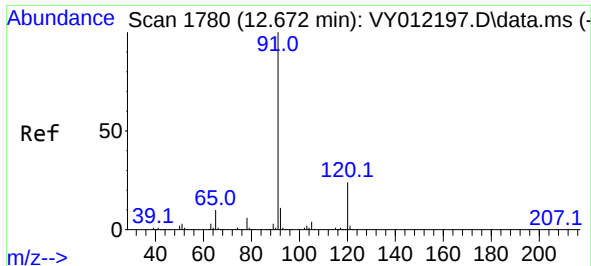
Tgt Ion:106 Resp: 15636  
Ion Ratio Lower Upper  
106 100  
91 220.6 107.5 322.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion:152 Resp: 120541  
Ion Ratio Lower Upper  
152 100  
115 58.2 29.1 87.3  
150 159.4 0.0 342.6

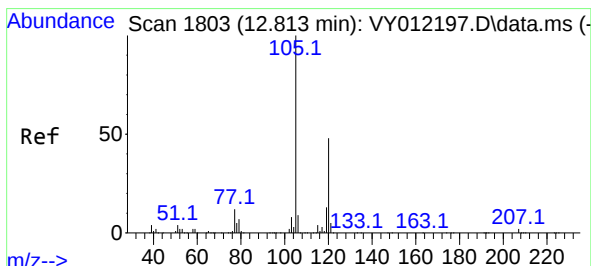
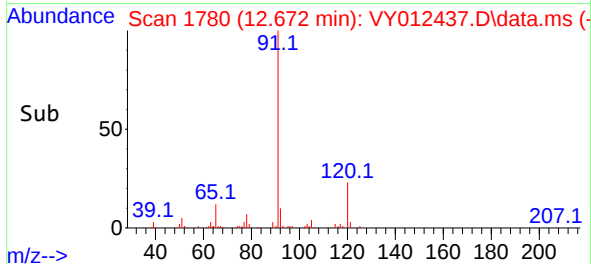
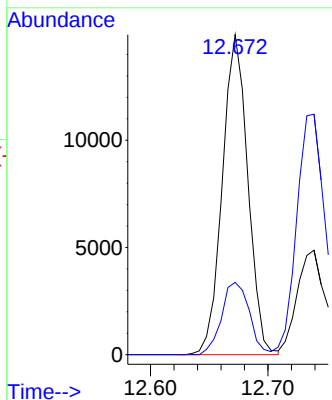
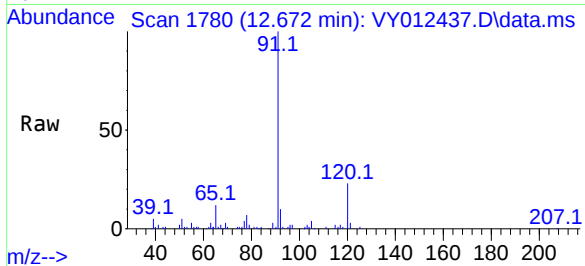




#78  
n-propylbenzene  
Concen: 2.215 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

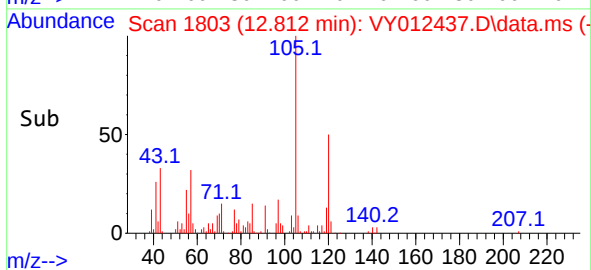
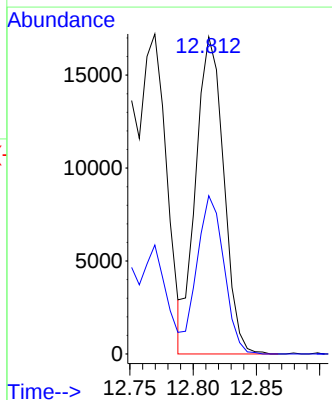
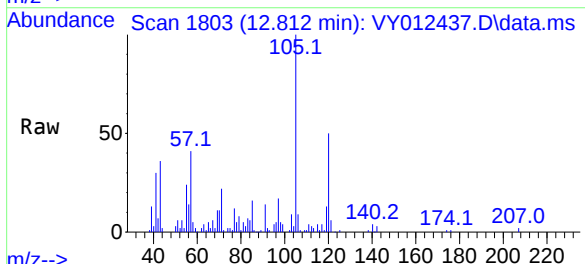
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-1-012323RE

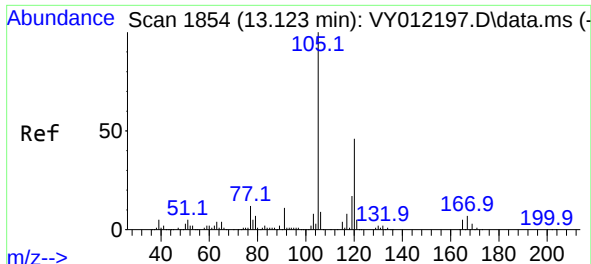
Tgt Ion: 91 Resp: 22532  
Ion Ratio Lower Upper  
91 100  
120 24.6 11.8 35.4



#80  
1,3,5-Trimethylbenzene  
Concen: 3.470 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.001 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion: 105 Resp: 26221  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.2 72.6

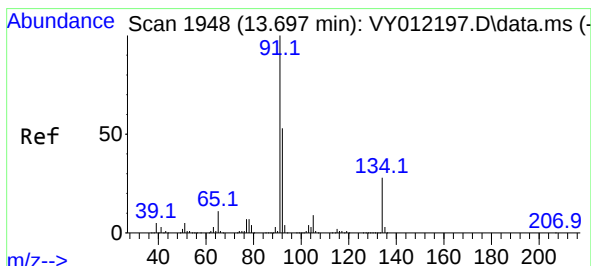
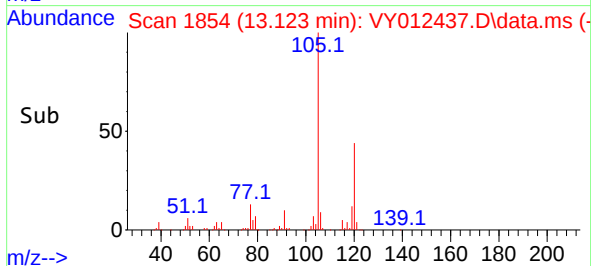
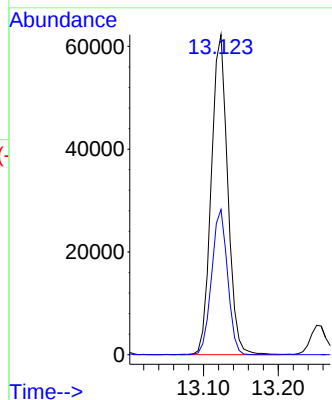
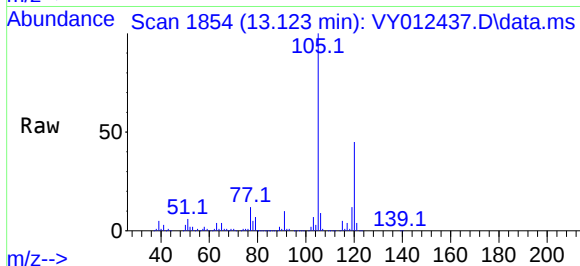




#84  
1,2,4-Trimethylbenzene  
Concen: 12.740 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-1-012323RE

Tgt Ion:105 Resp: 94933  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.9 68.7



#89  
n-Butylbenzene  
Concen: 1.776 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. -0.001 min  
Lab File: VY012437.D  
Acq: 01 Feb 2023 13:06

Tgt Ion: 91 Resp: 12607  
Ion Ratio Lower Upper  
91 100  
92 59.8 26.8 80.4  
134 0.0 13.3 39.8#

