

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021022\  
 Data File : VY007471.D  
 Acq On : 10 Feb 2022 15:01  
 Operator : SY/MD  
 Sample : N1465-03  
 Misc : 6.52g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A5-3-8.5

Quant Time: Feb 11 00:51:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

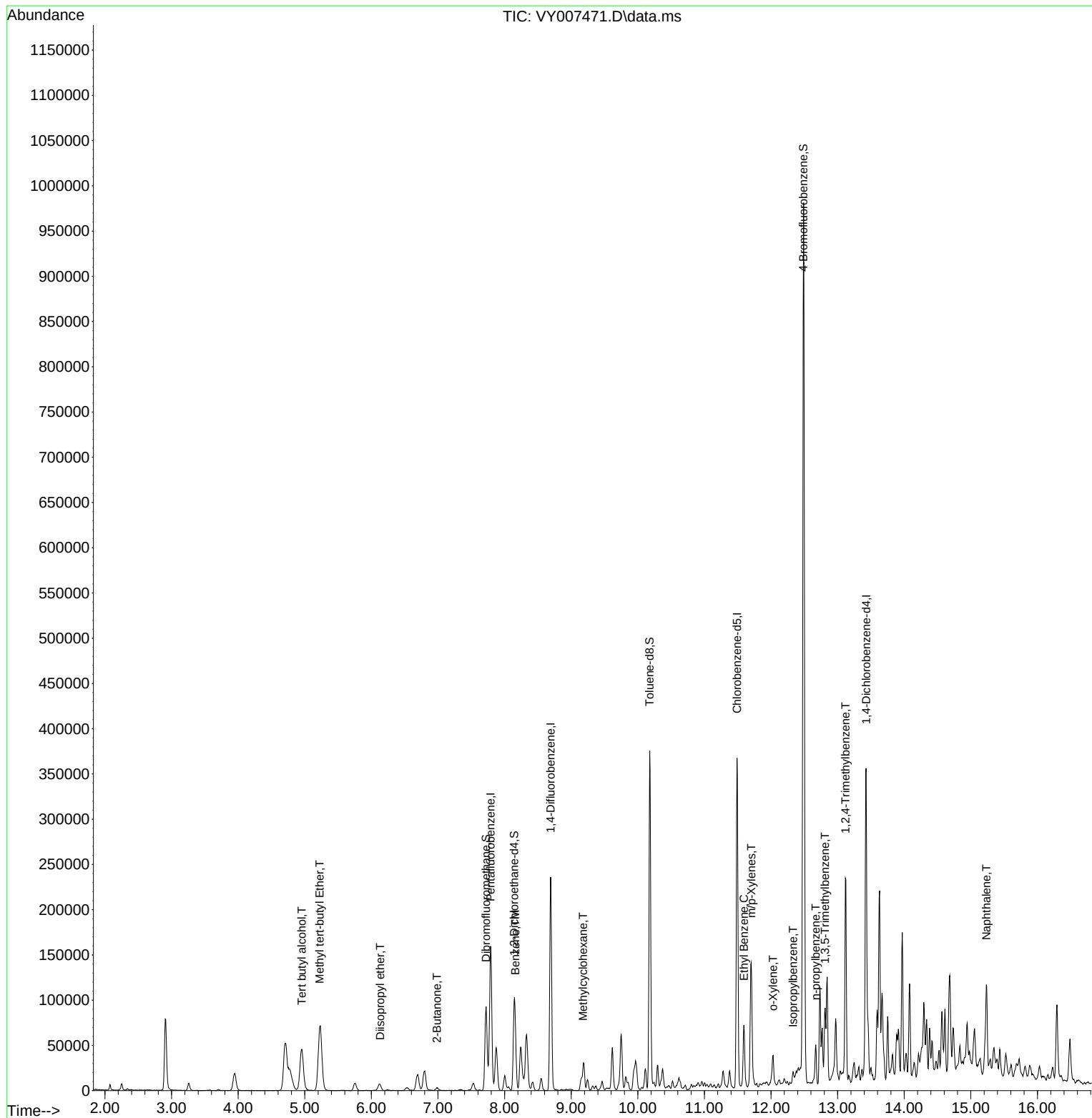
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 107875              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691          | 114  | 196426              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 192170              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 83974               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142          | 65   | 71756               | 57.829  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 115.660% |         |        |          |
| 35) Dibromofluoromethane    | 7.722          | 113  | 64875               | 51.434  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 102.860% |         |        |          |
| 50) Toluene-d8              | 10.178         | 98   | 238007              | 51.075  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 102.140% |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 89018               | 56.203  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 112.400% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         | Qvalue |          |
| 11) Tert butyl alcohol      | 4.954          | 59   | 99206               | 802.571 | ug/l # | 93       |
| 19) Methyl tert-butyl Ether | 5.222          | 73   | 105397              | 29.795  | ug/l # | 81       |
| 22) Diisopropyl ether       | 6.130          | 45   | 8863                | 2.193   | ug/l # | 84       |
| 25) 2-Butanone              | 6.984          | 43   | 2654                | 5.451   | ug/l   | 98       |
| 39) Methylcyclohexane       | 9.179          | 83   | 8877                | 3.206   | ug/l   | 97       |
| 40) Benzene                 | 8.161          | 78   | 31093               | 5.320   | ug/l   | 93       |
| 67) Ethyl Benzene           | 11.593         | 91   | 43526               | 5.365   | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.703         | 106  | 39880               | 13.273  | ug/l   | 100      |
| 69) o-Xylene                | 12.032         | 106  | 8651                | 3.045   | ug/l   | 97       |
| 73) Isopropylbenzene        | 12.331         | 105  | 7776                | 1.013   | ug/l   | 95       |
| 78) n-propylbenzene         | 12.672         | 91   | 32611               | 3.508   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 31401               | 5.016   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.117         | 105  | 120209              | 19.501  | ug/l   | 100      |
| 95) Naphthalene             | 15.232         | 128  | 74103               | 21.825  | ug/l   | 99       |
| -----                       |                |      |                     |         |        |          |

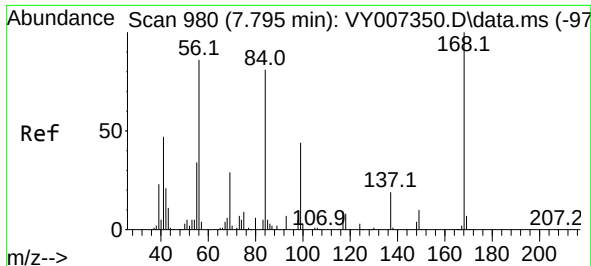
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021022\  
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Quant Title : SW846 8260  
QLast Update : Thu Feb 03 04:36:48 2022  
Response via : Initial Calibration

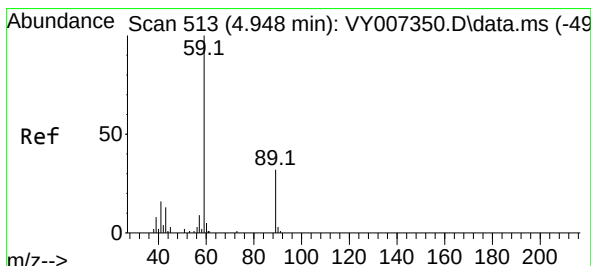
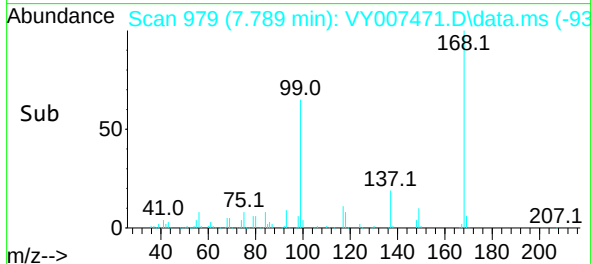
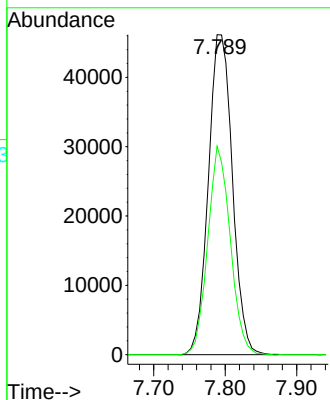
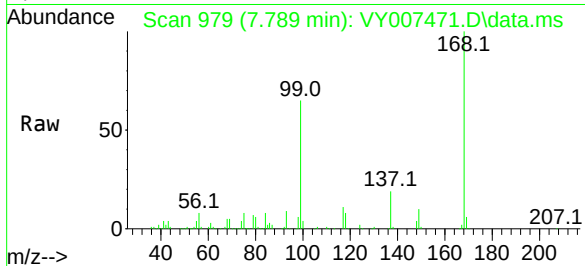




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

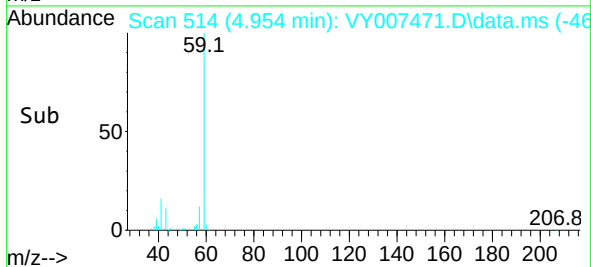
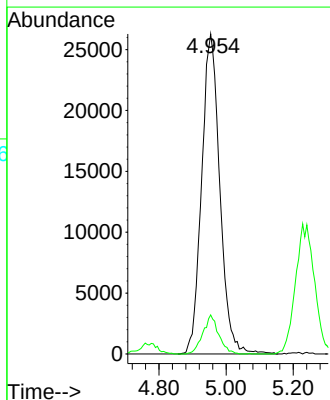
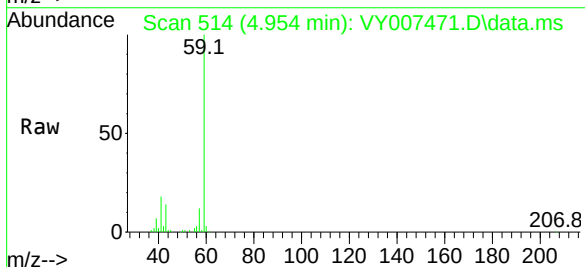
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

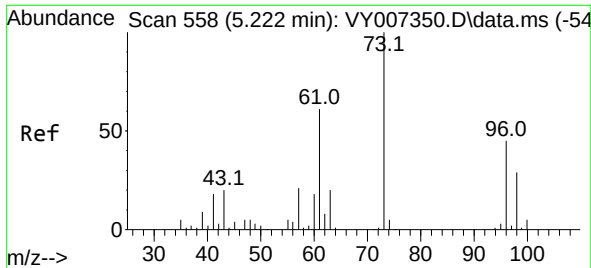
Tgt Ion:168 Resp: 107875  
Ion Ratio Lower Upper  
168 100  
99 65.1 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 802.571 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion: 59 Resp: 99206  
Ion Ratio Lower Upper  
59 100  
57 10.5 6.4 9.6#

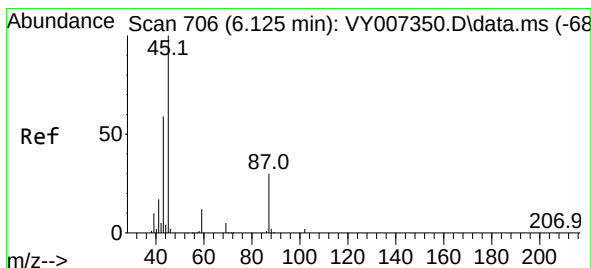
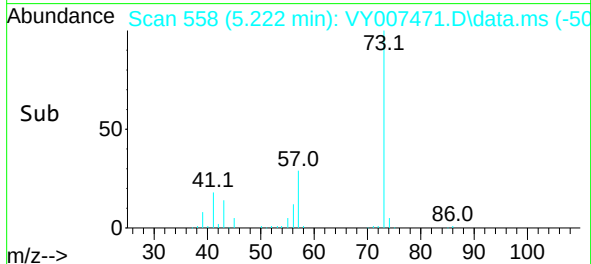
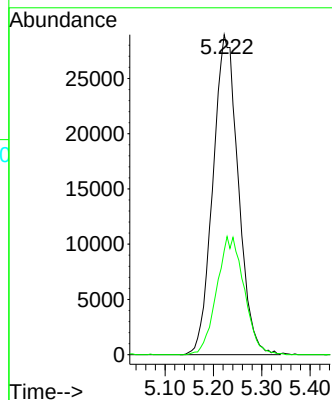
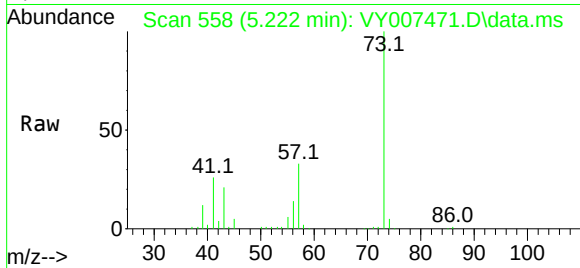




#19  
Methyl tert-butyl Ether  
Concen: 29.795 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

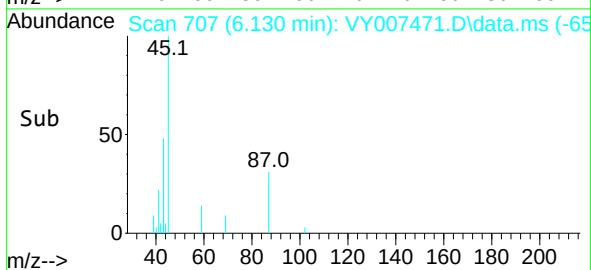
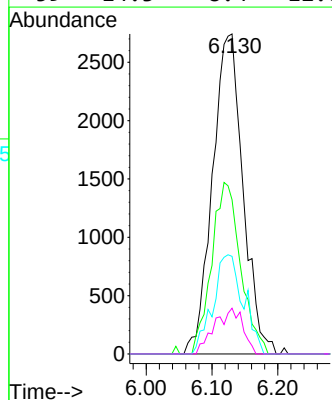
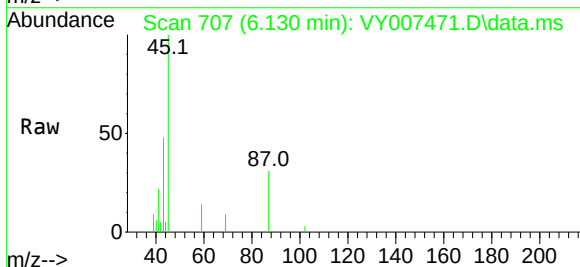
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

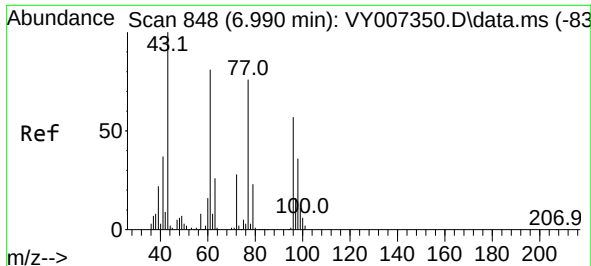
Tgt Ion: 73 Resp: 105397  
Ion Ratio Lower Upper  
73 100  
57 32.5 18.6 27.8#



#22  
Diisopropyl ether  
Concen: 2.193 ug/l  
RT: 6.130 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion: 45 Resp: 8863  
Ion Ratio Lower Upper  
45 100  
43 48.2 49.3 73.9#  
87 30.5 19.2 28.8#  
59 14.3 8.4 12.6#

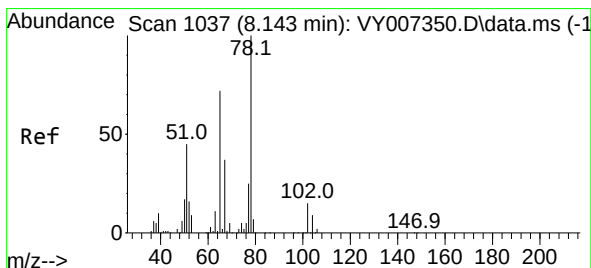
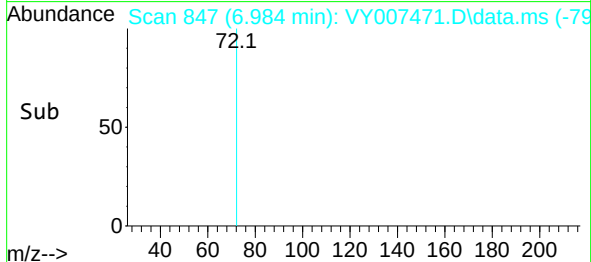
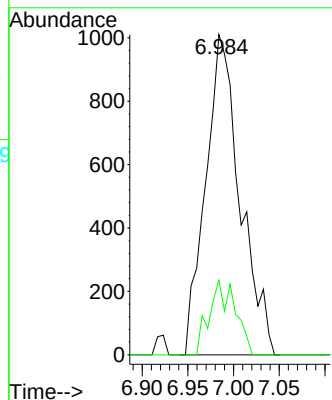
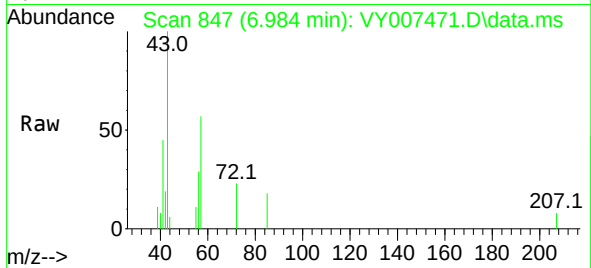




#25  
2-Butanone  
Concen: 5.451 ug/l  
RT: 6.984 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

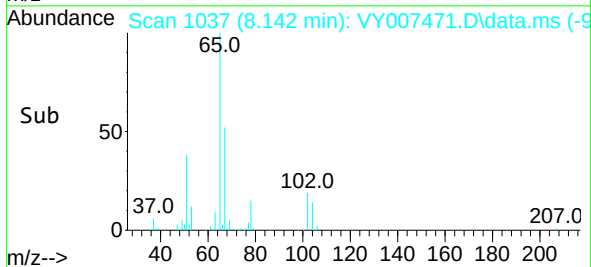
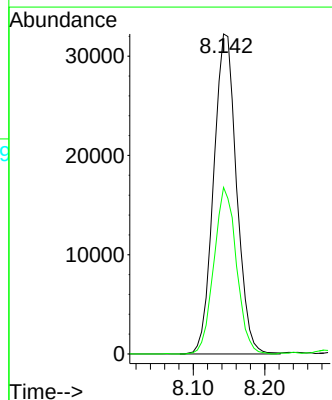
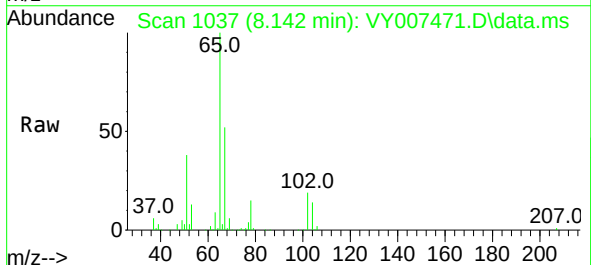
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

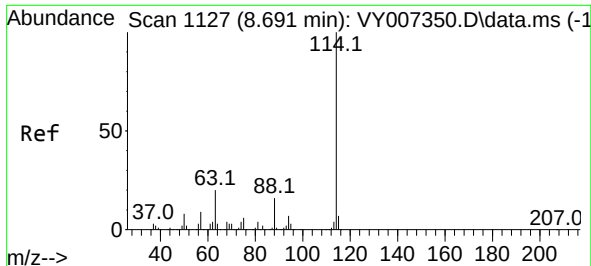
Tgt Ion: 43 Resp: 2654  
Ion Ratio Lower Upper  
43 100  
72 23.3 17.7 26.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.829 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion: 65 Resp: 71756  
Ion Ratio Lower Upper  
65 100  
67 51.2 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: VY007471.D

Acq: 10 Feb 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

A5-3-8.5

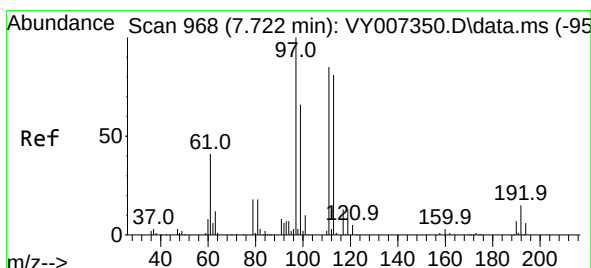
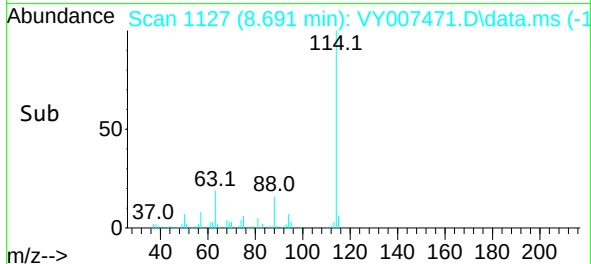
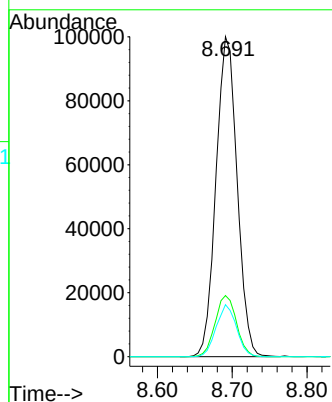
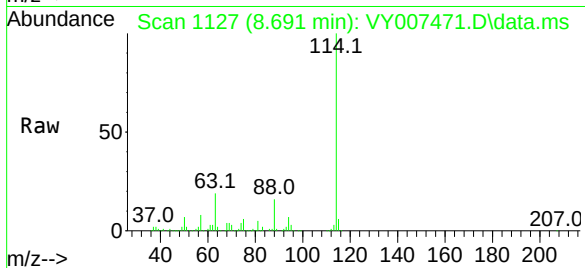
Tgt Ion:114 Resp: 196426

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.434 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007471.D

Acq: 10 Feb 2022 15:01

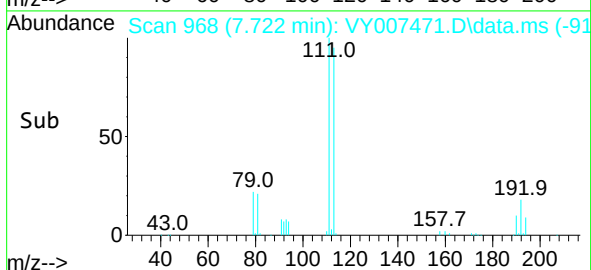
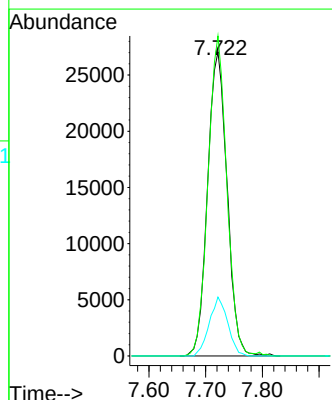
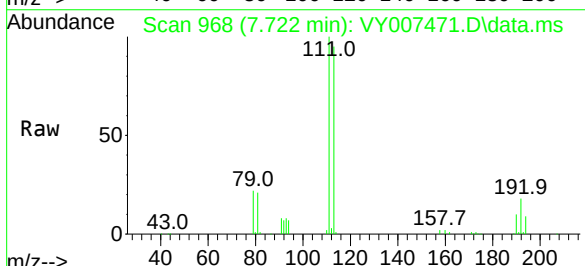
Tgt Ion:113 Resp: 64875

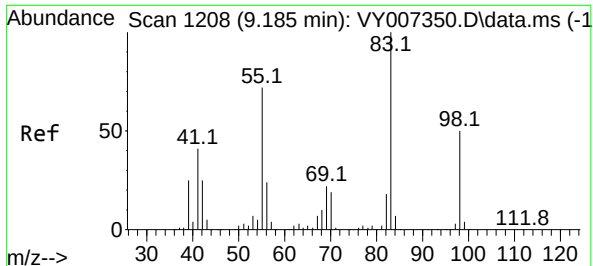
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 18.3 17.6 26.4





#39

Methylcyclohexane

Concen: 3.206 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007471.D

Acq: 10 Feb 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

A5-3-8.5

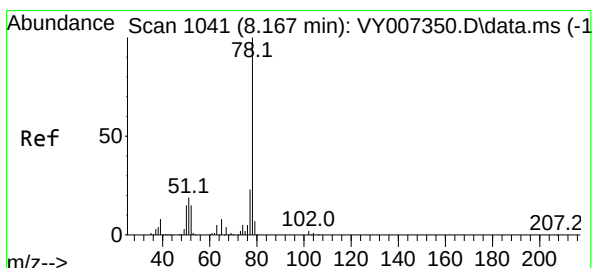
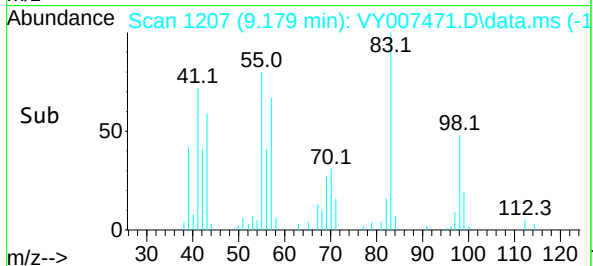
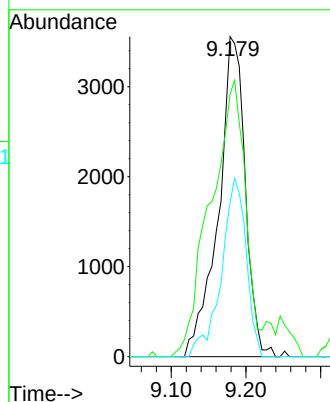
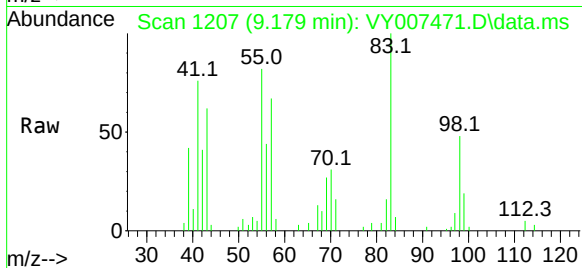
Tgt Ion: 83 Resp: 8877

Ion Ratio Lower Upper

83 100

55 79.4 66.5 99.7

98 48.3 37.9 56.9



#40

Benzene

Concen: 5.320 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY007471.D

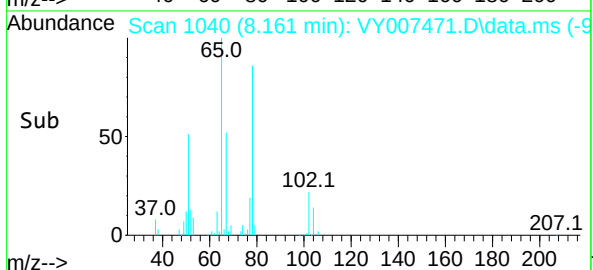
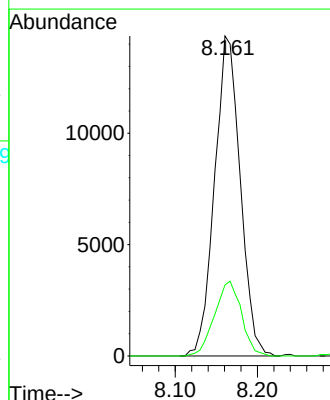
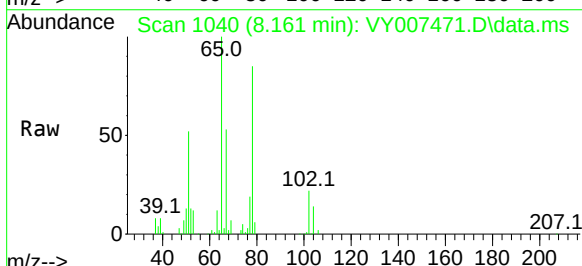
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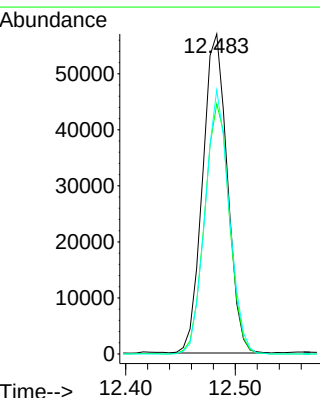
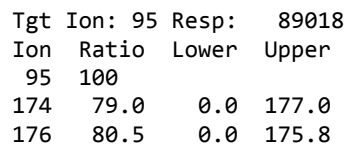
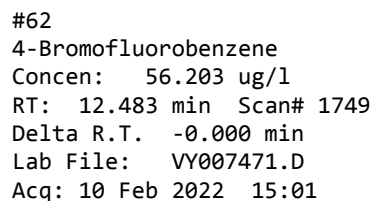
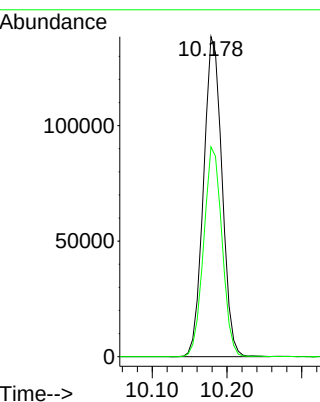
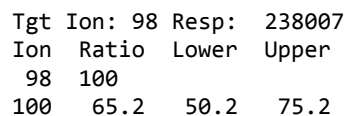
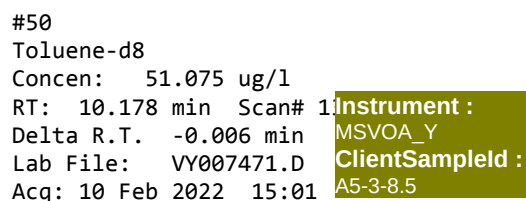
Tgt Ion: 78 Resp: 31093

Ion Ratio Lower Upper

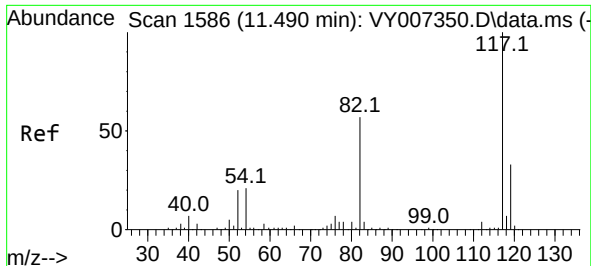
78 100

77 22.2 20.4 30.6





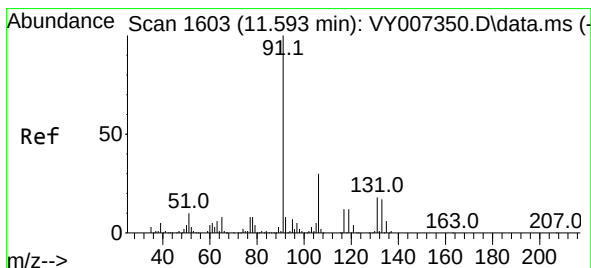
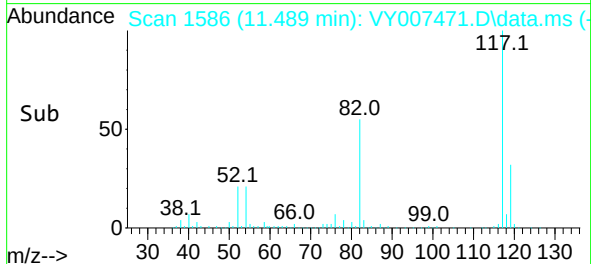
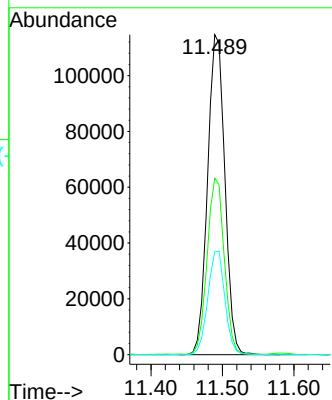
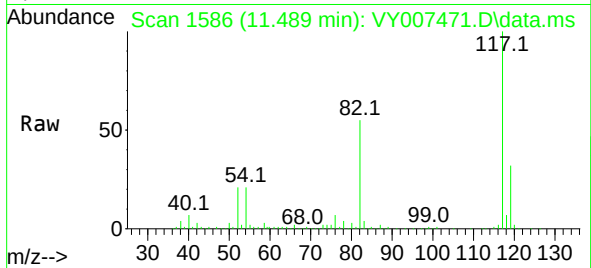




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

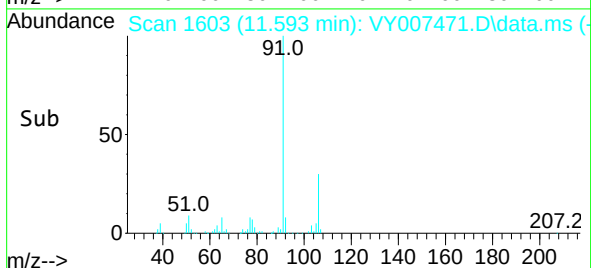
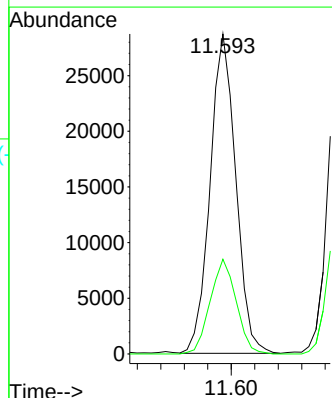
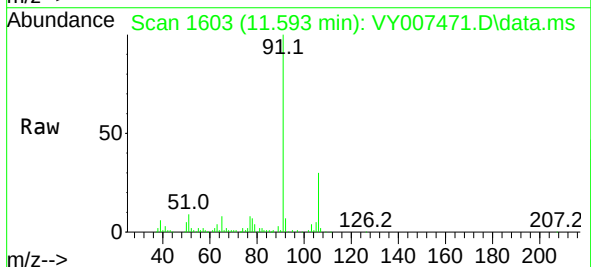
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

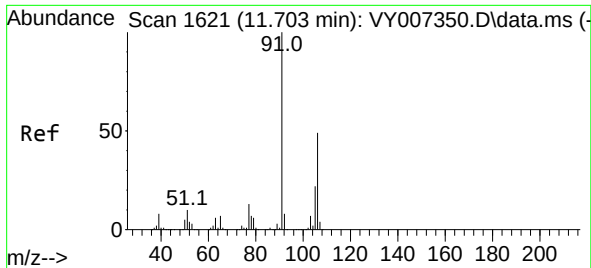
Tgt Ion:117 Resp: 192170  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.4  
119 32.2 25.4 38.0



#67  
Ethyl Benzene  
Concen: 5.365 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion: 91 Resp: 43526  
Ion Ratio Lower Upper  
91 100  
106 29.7 24.5 36.7

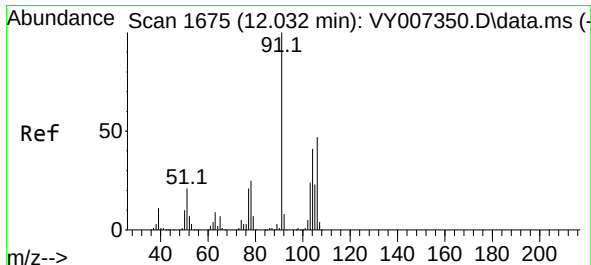
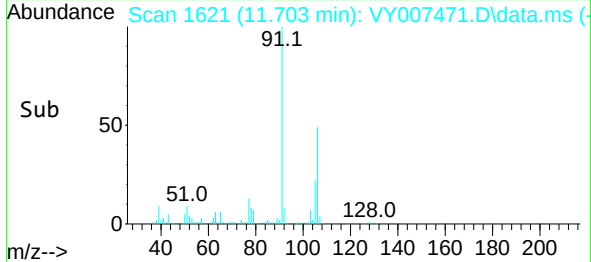
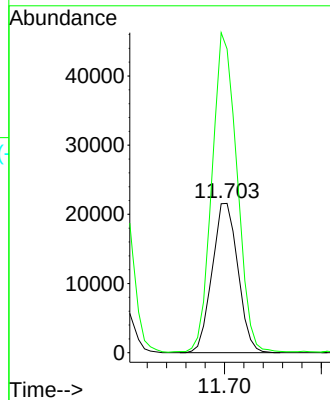
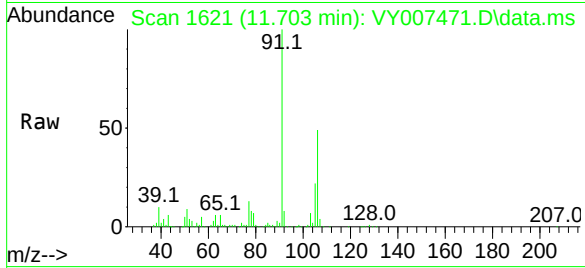




#68  
m/p-Xylenes  
Concen: 13.273 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

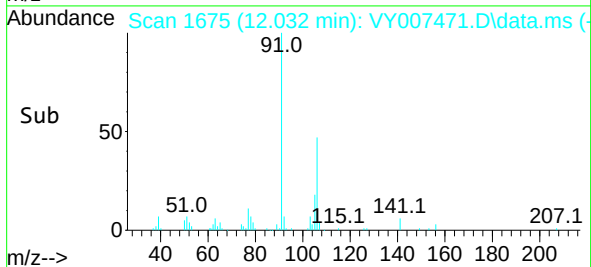
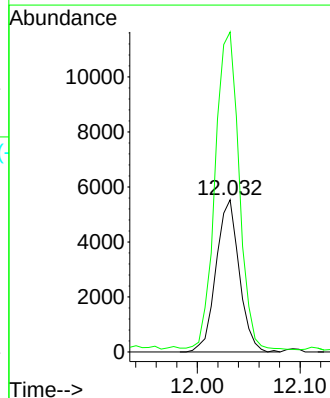
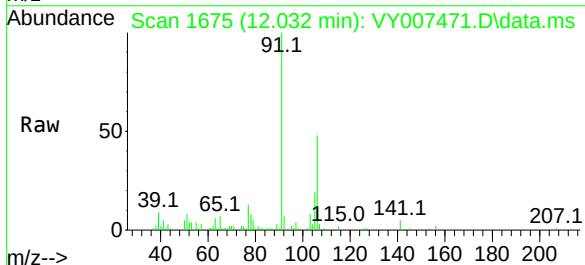
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

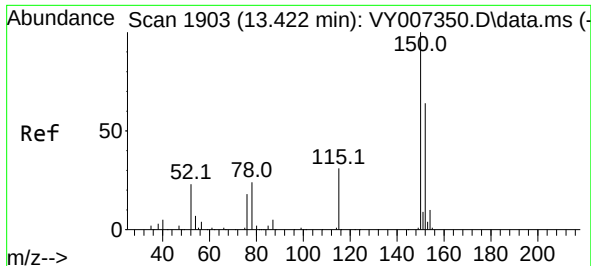
Tgt Ion:106 Resp: 39880  
Ion Ratio Lower Upper  
106 100  
91 208.2 166.6 249.8



#69  
o-Xylene  
Concen: 3.045 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion:106 Resp: 8651  
Ion Ratio Lower Upper  
106 100  
91 215.5 110.3 331.0

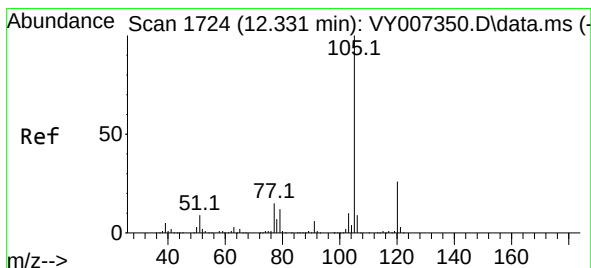
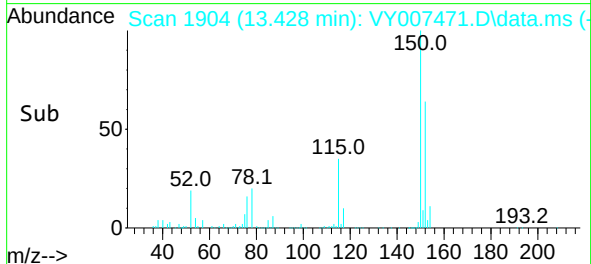
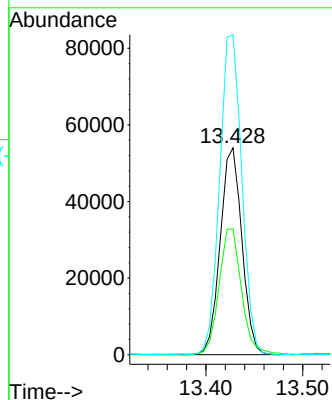
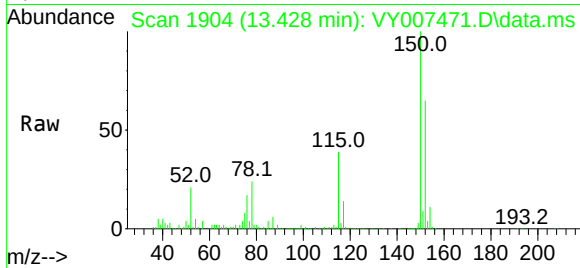




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

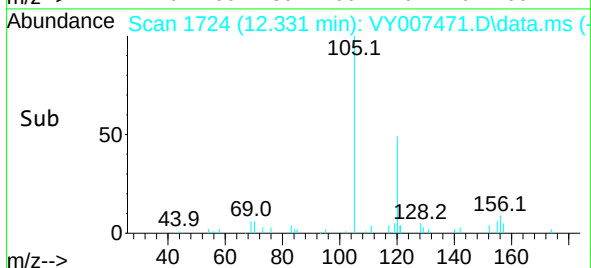
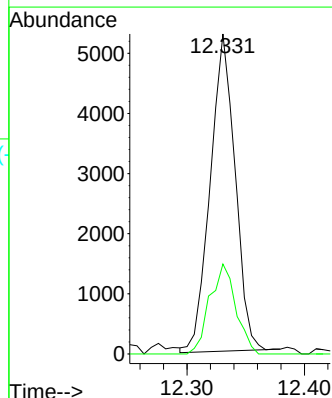
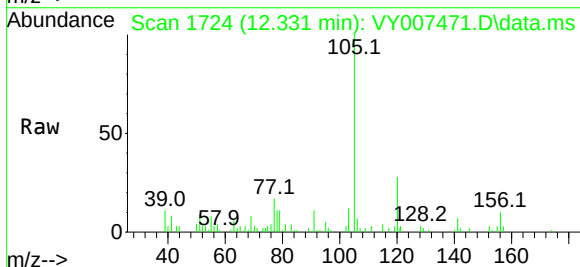
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

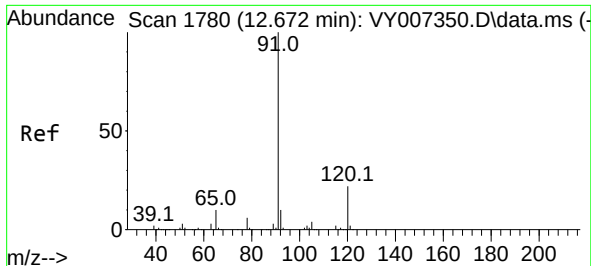
Tgt Ion:152 Resp: 83974  
Ion Ratio Lower Upper  
152 100  
115 62.6 28.2 84.7  
150 158.5 0.0 347.6



#73  
Isopropylbenzene  
Concen: 1.013 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion:105 Resp: 7776  
Ion Ratio Lower Upper  
105 100  
120 29.6 13.4 40.2

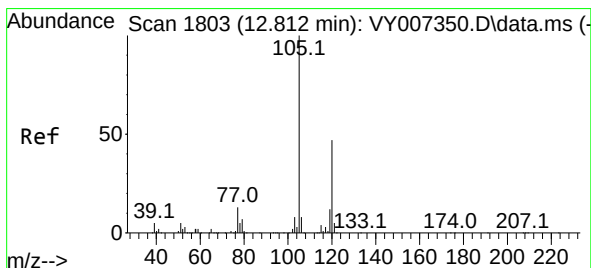
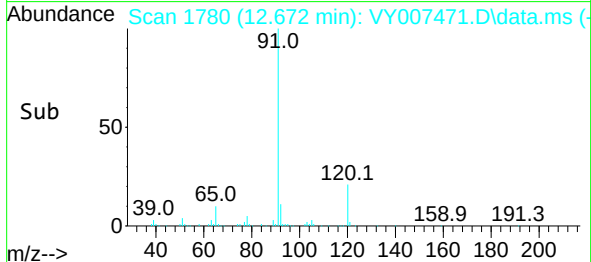
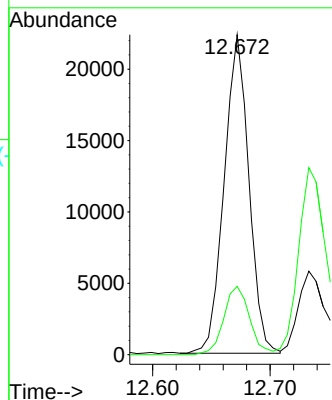
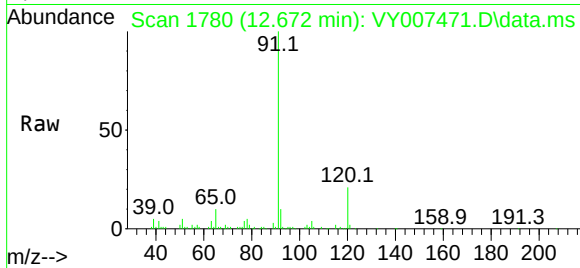




#78  
n-propylbenzene  
Concen: 3.508 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

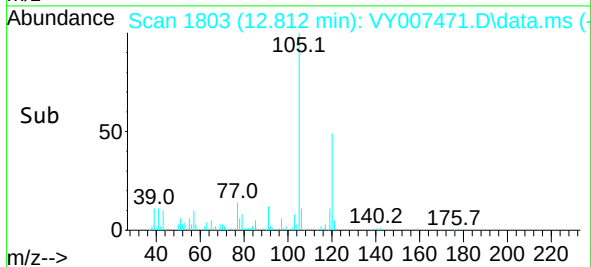
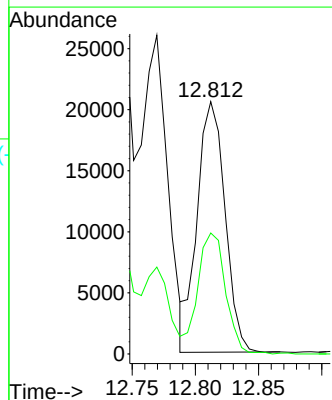
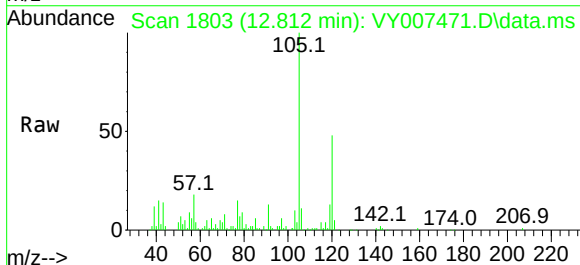
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

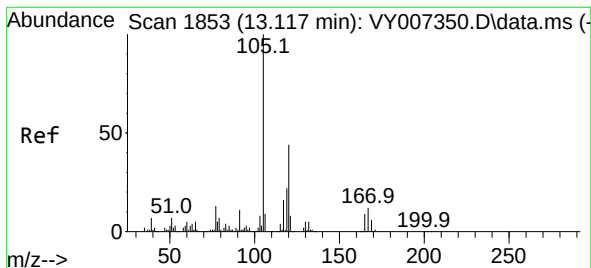
Tgt Ion: 91 Resp: 32611  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.3 33.9



#80  
1,3,5-Trimethylbenzene  
Concen: 5.016 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY007471.D  
Acq: 10 Feb 2022 15:01

Tgt Ion: 105 Resp: 31401  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 19.501 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY007471.D

Acq: 10 Feb 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

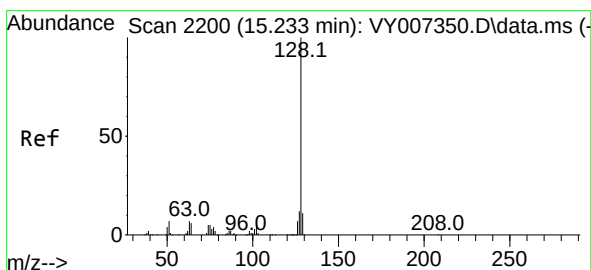
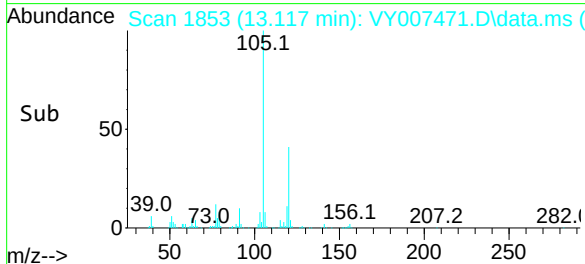
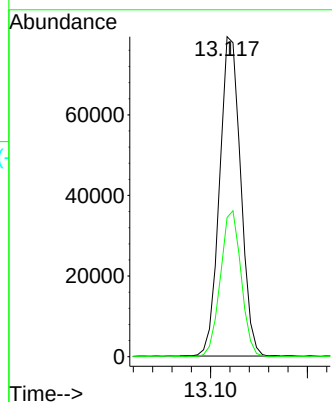
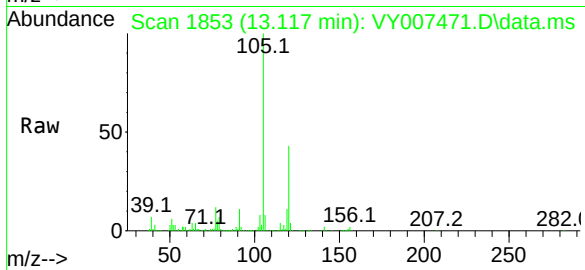
A5-3-8.5

Tgt Ion:105 Resp: 120209

Ion Ratio Lower Upper

105 100

120 44.6 22.3 66.9



#95

Naphthalene

Concen: 21.825 ug/l

RT: 15.232 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY007471.D

Acq: 10 Feb 2022 15:01

Tgt Ion:128 Resp: 74103

Ion Ratio Lower Upper

128 100

127 13.9 11.0 16.4

129 11.2 8.4 12.6

