

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012822\  
 Data File : VY007335.D  
 Acq On : 28 Jan 2022 20:50  
 Operator : SY/MD  
 Sample : N1224-10  
 Misc : 7.18g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AREA-1-B-2@4-BGS

Quant Time: Jan 31 00:32:35 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

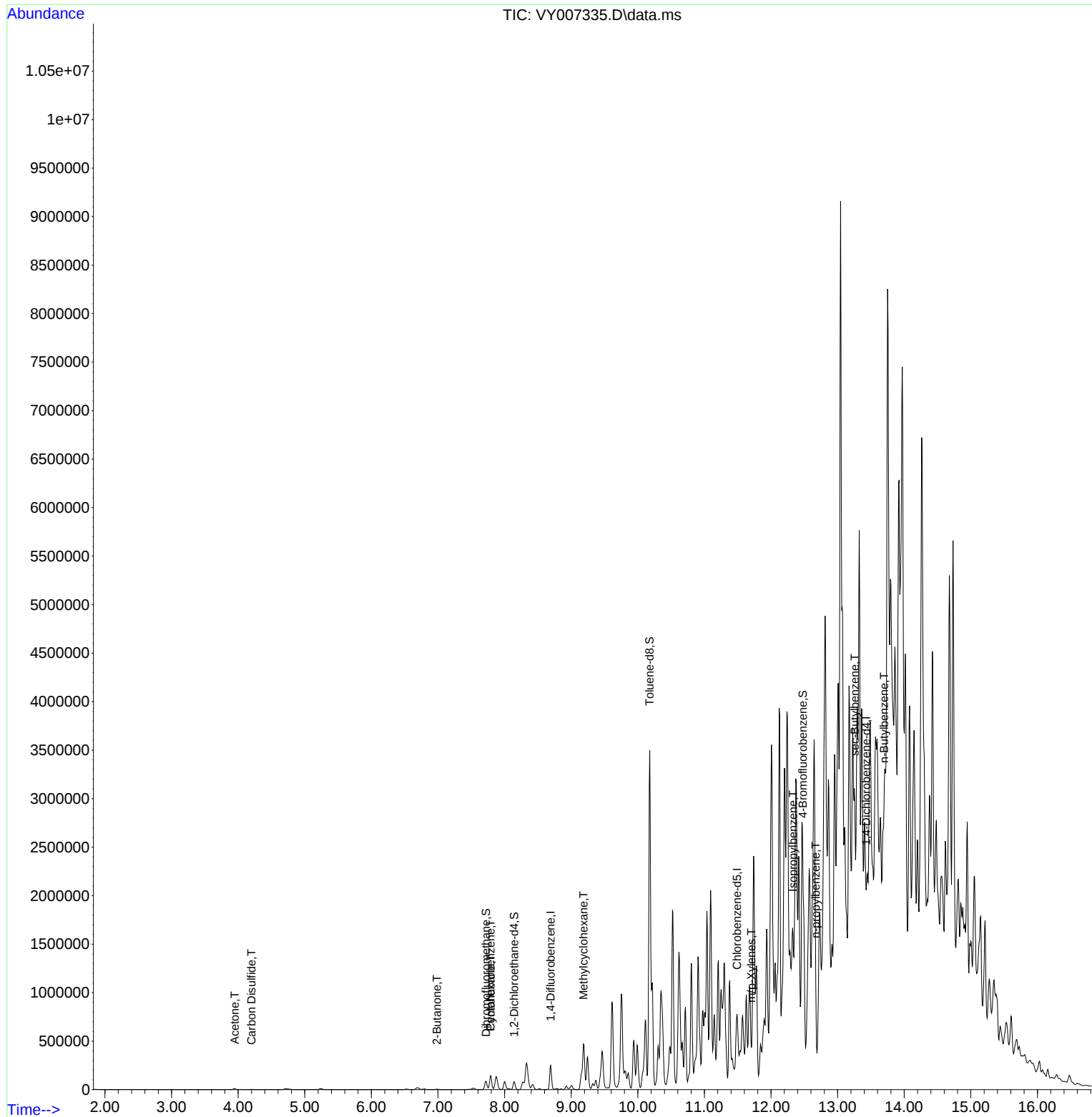
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 99785    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 188378   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 171493   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 103940   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 63914    | 52.201   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 104.400%  |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 62443    | 49.022   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.040%   |          |
| 50) Toluene-d8              | 10.179 | 98    | 381603   | 81.989   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 163.980%# |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 159843   | 96.546   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 193.100%# |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          | Qvalue      |          |
| 16) Acetone                 | 3.948  | 43    | 17333    | 54.548   | ug/l        | 93       |
| 17) Carbon Disulfide        | 4.198  | 76    | 5305     | 1.692    | ug/l #      | 94       |
| 25) 2-Butanone              | 6.984  | 43    | 5843     | 14.223   | ug/l        | 92       |
| 31) Cyclohexane             | 7.789  | 56    | 7093     | 3.427    | ug/l #      | 68       |
| 39) Methylcyclohexane       | 9.185  | 83    | 128364   | 51.678   | ug/l        | 90       |
| 68) m/p-Xylenes             | 11.703 | 106   | 7036     | 2.686    | ug/l #      | 70       |
| 73) Isopropylbenzene        | 12.331 | 105   | 154579   | 17.219   | ug/l        | 100      |
| 78) n-propylbenzene         | 12.672 | 91    | 97603    | 8.770    | ug/l        | 92       |
| 85) sec-Butylbenzene        | 13.257 | 105   | 107118   | 11.242   | ug/l #      | 60       |
| 89) n-Butylbenzene          | 13.696 | 91    | 131677   | 17.078   | ug/l #      | 69       |
| -----                       |        |       |          |          |             |          |

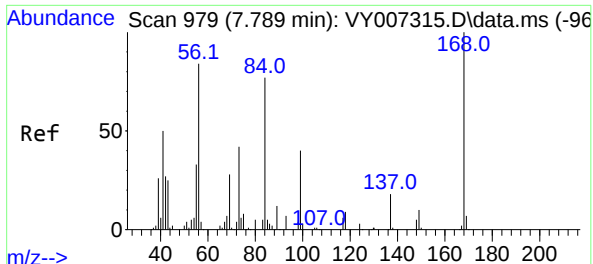
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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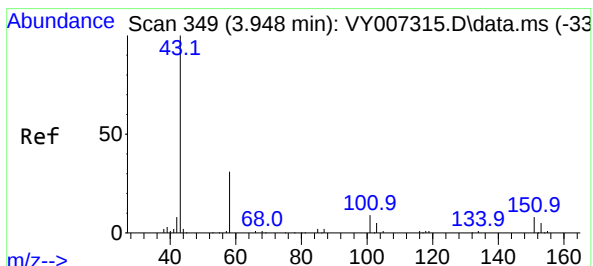
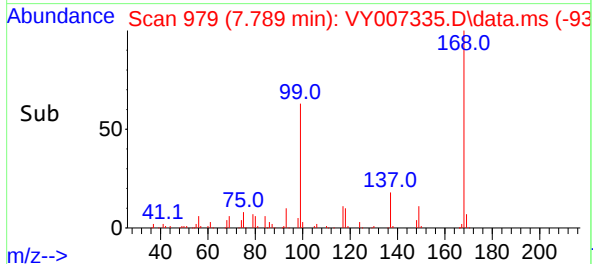
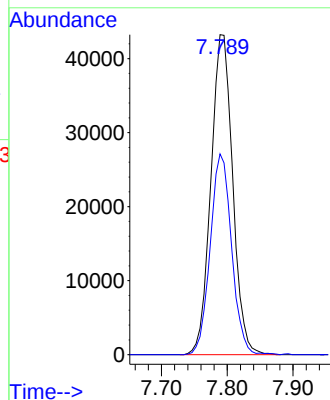
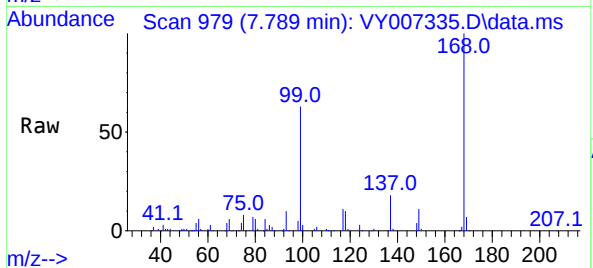




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

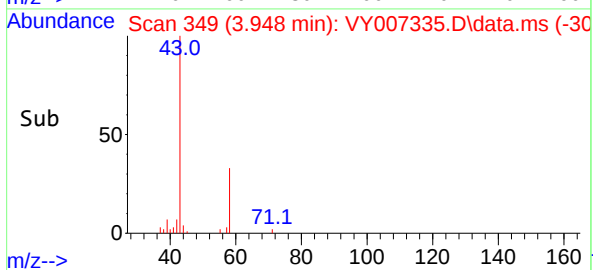
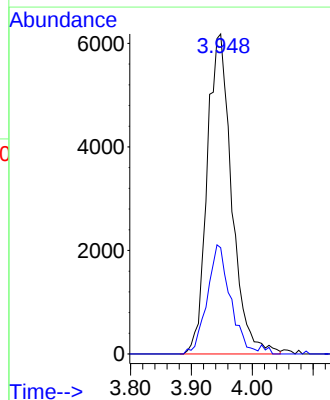
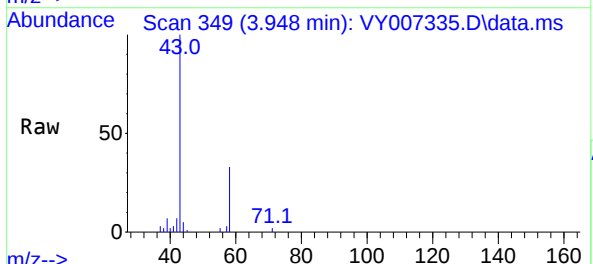
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AREA-1-B-2@4-BGS

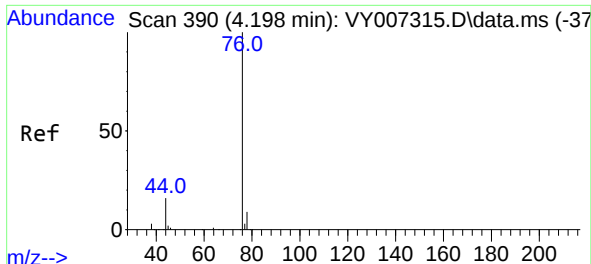
Tgt Ion:168 Resp: 99785  
Ion Ratio Lower Upper  
168 100  
99 62.7 49.1 73.7



#16  
Acetone  
Concen: 54.548 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

Tgt Ion: 43 Resp: 17333  
Ion Ratio Lower Upper  
43 100  
58 33.2 23.8 35.6





#17

Carbon Disulfide

Concen: 1.692 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY007335.D

Acq: 28 Jan 2022 20:50

Instrument :

MSVOA\_Y

ClientSampleId :

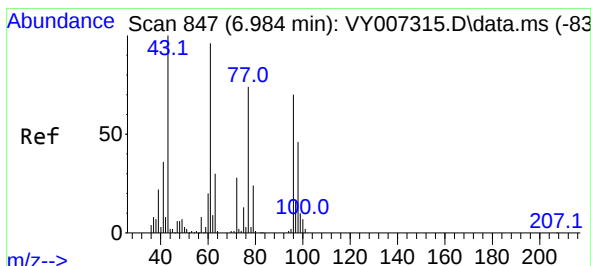
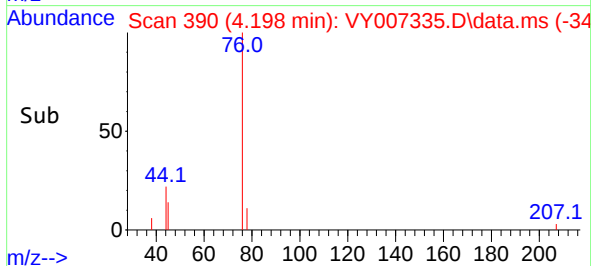
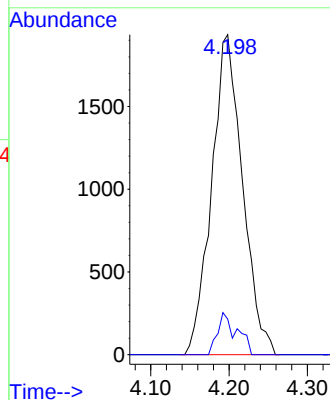
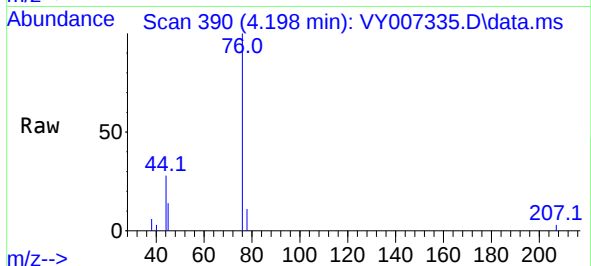
AREA-1-B-2@4-BGS

Tgt Ion: 76 Resp: 5305

Ion Ratio Lower Upper

76 100

78 11.1 7.2 10.8#



#25

2-Butanone

Concen: 14.223 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY007335.D

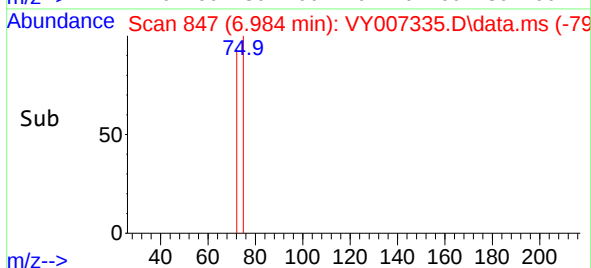
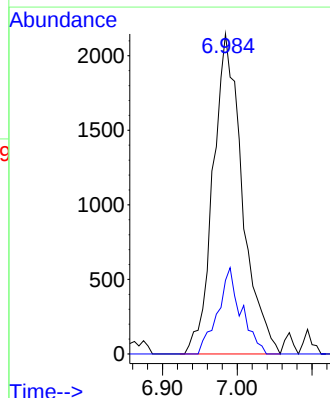
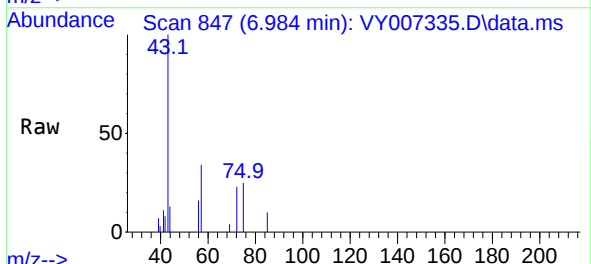
Acq: 28 Jan 2022 20:50

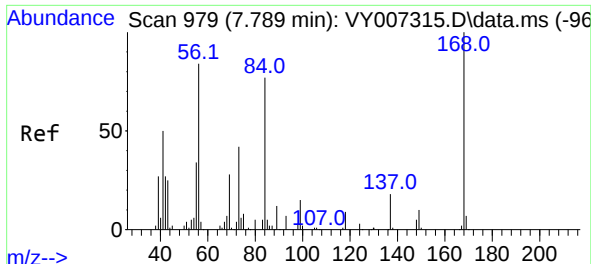
Tgt Ion: 43 Resp: 5843

Ion Ratio Lower Upper

43 100

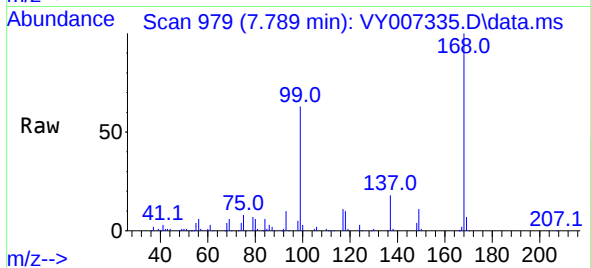
72 23.0 21.9 32.9



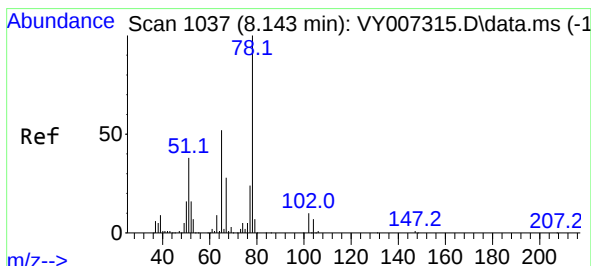
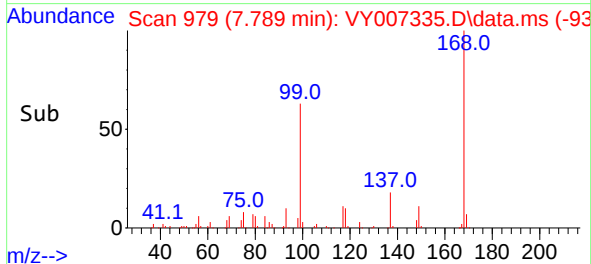
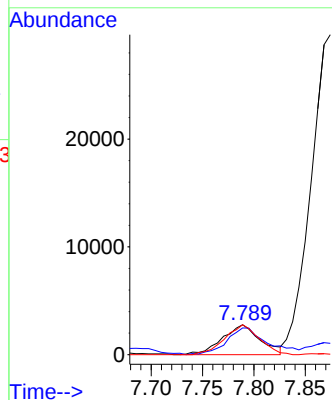


#31  
Cyclohexane  
Concen: 3.427 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AREA-1-B-2@4-BGS

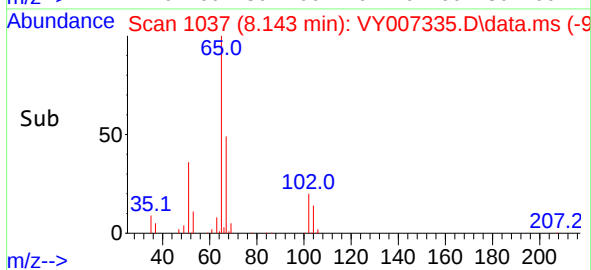
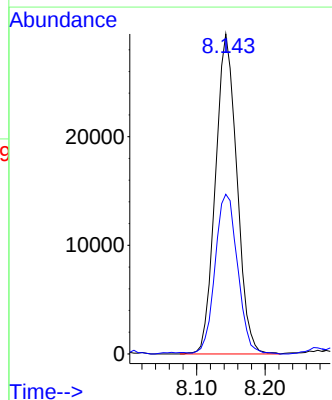
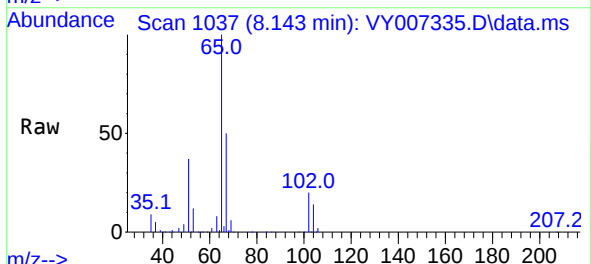


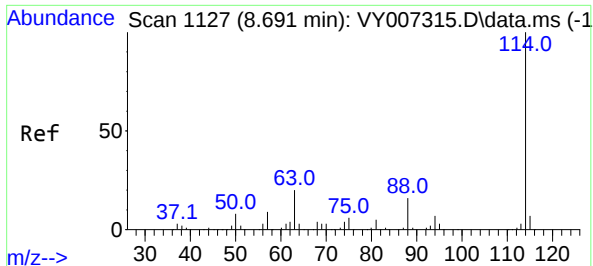
Tgt Ion: 56 Resp: 7093  
Ion Ratio Lower Upper  
56 100  
69 84.4 27.2 40.8#  
84 99.9 72.1 108.1



#33  
1,2-Dichloroethane-d4  
Concen: 52.201 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

Tgt Ion: 65 Resp: 63914  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007335.D

Acq: 28 Jan 2022 20:50

Instrument :

MSVOA\_Y

ClientSampleId :

AREA-1-B-2@4-BGS

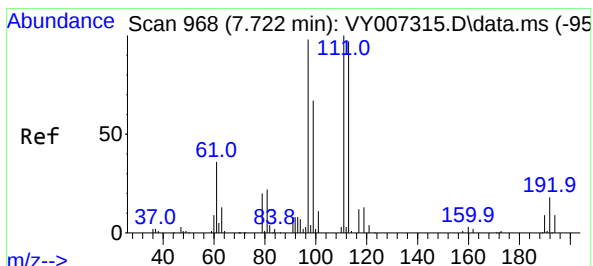
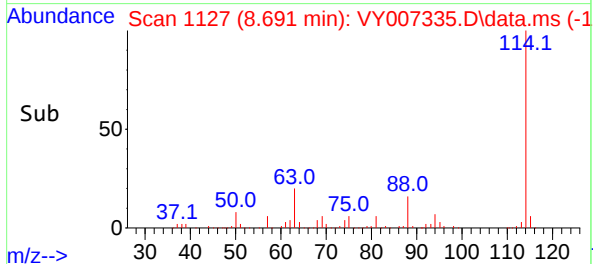
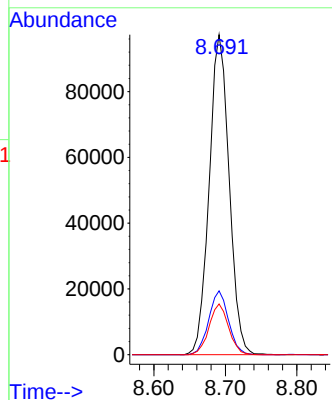
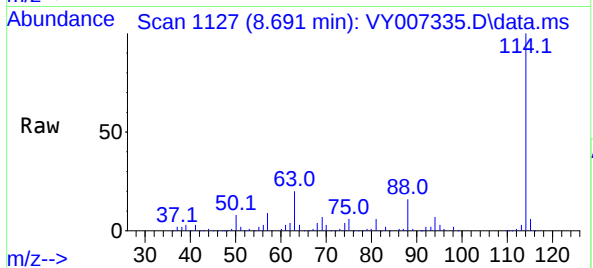
Tgt Ion:114 Resp: 188378

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 15.9 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.022 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY007335.D

Acq: 28 Jan 2022 20:50

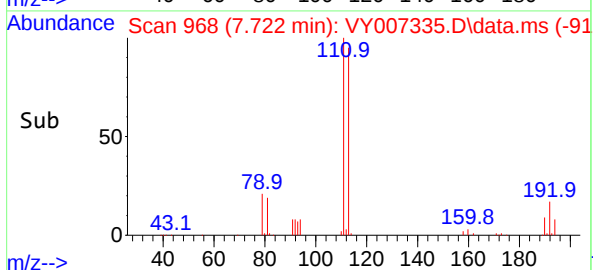
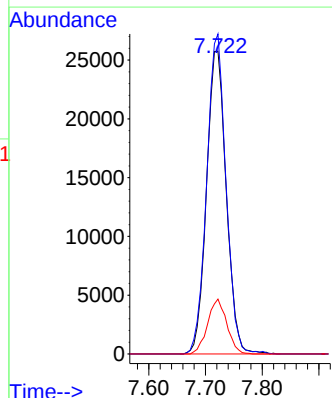
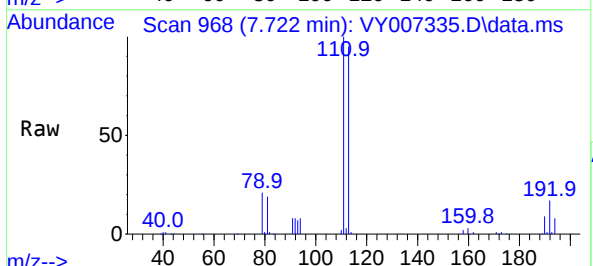
Tgt Ion:113 Resp: 62443

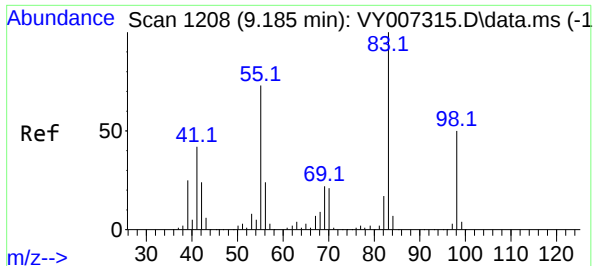
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.6 14.2 21.4





#39

Methylcyclohexane

Concen: 51.678 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY007335.D

Acq: 28 Jan 2022 20:50

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ClientSampleId :

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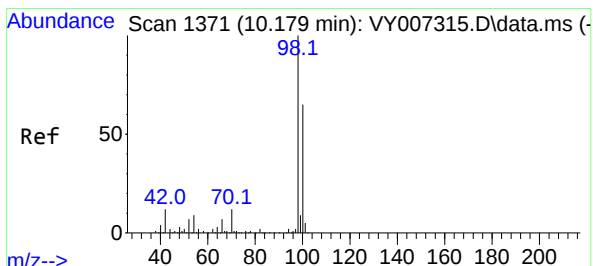
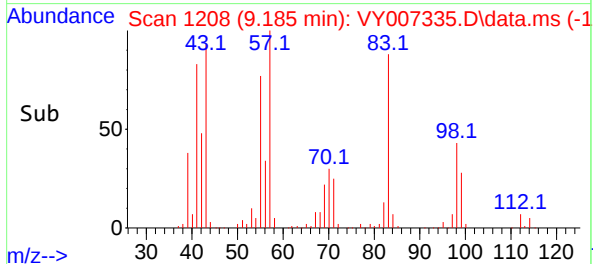
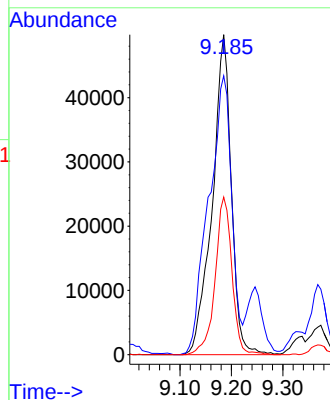
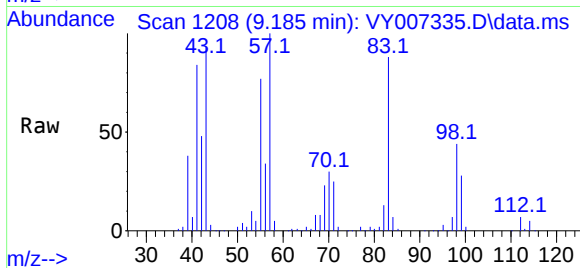
Tgt Ion: 83 Resp: 128364

Ion Ratio Lower Upper

83 100

55 87.1 58.8 88.2

98 49.2 38.7 58.1



#50

Toluene-d8

Concen: 81.989 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY007335.D

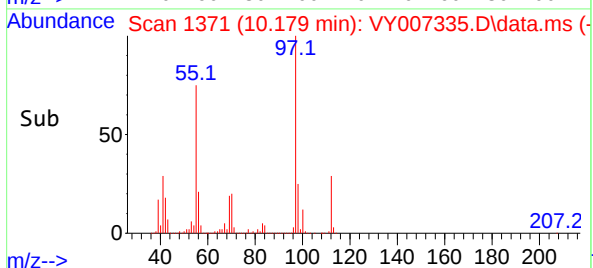
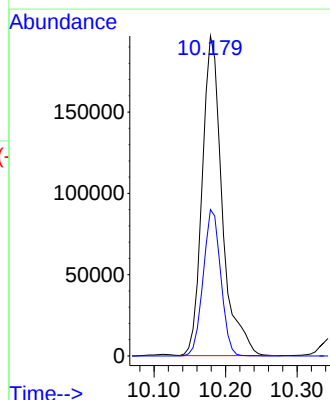
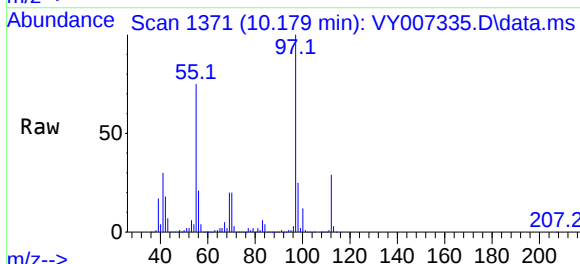
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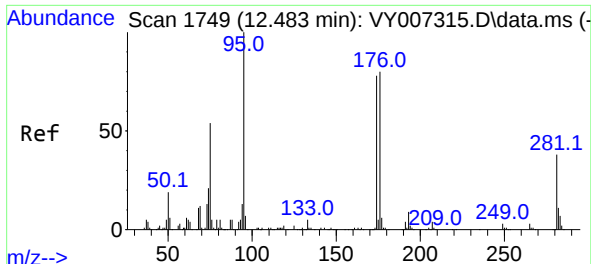
Tgt Ion: 98 Resp: 381603

Ion Ratio Lower Upper

98 100

100 40.2 52.2 78.2#

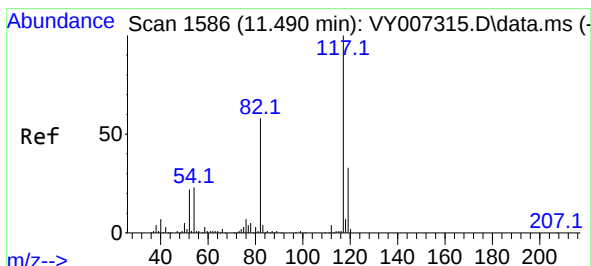
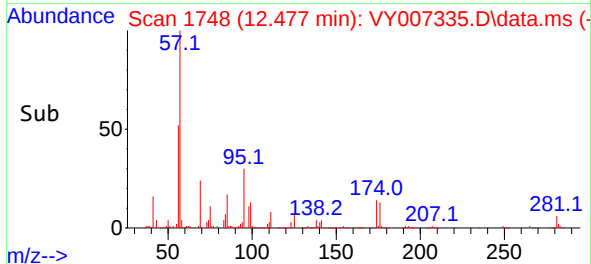
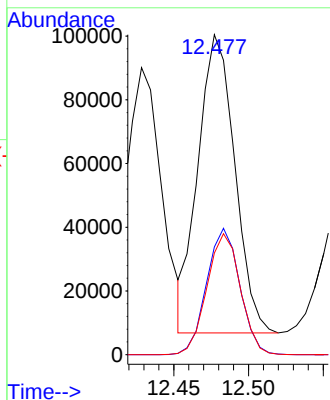
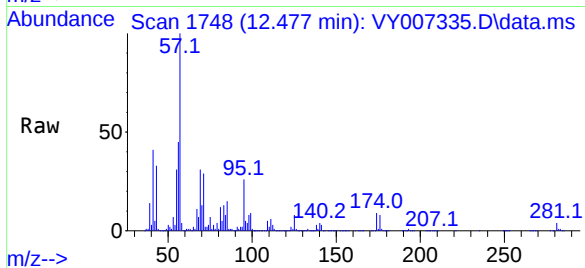




#62  
4-Bromofluorobenzene  
Concen: 96.546 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

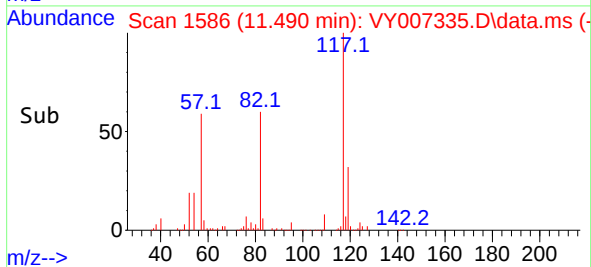
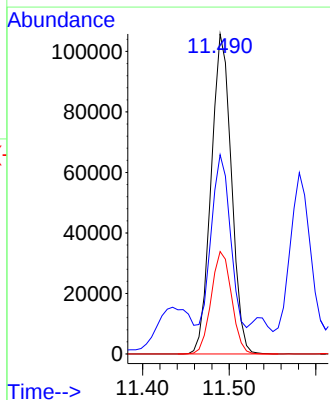
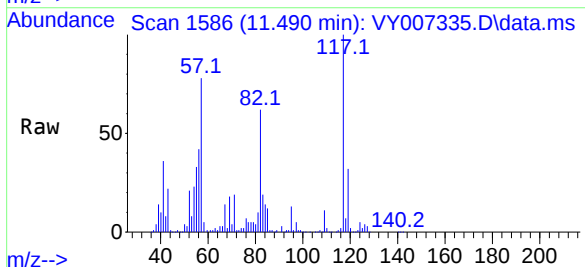
Instrument :  
MSVOA\_Y  
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AREA-1-B-2@4-BGS

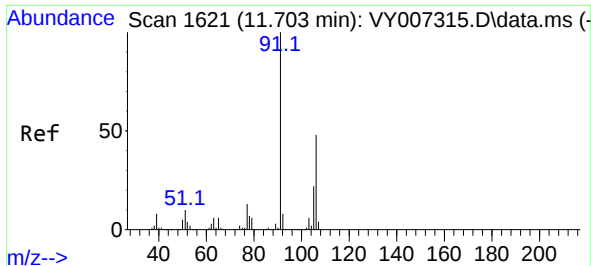
|             |              |
|-------------|--------------|
| Tgt Ion: 95 | Resp: 159843 |
| Ion Ratio   | Lower Upper  |
| 95 100      |              |
| 174 38.3    | 0.0 148.4    |
| 176 36.9    | 0.0 146.6    |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:117 | Resp: | 171493 |       |
| Ion         | Ratio | Lower  | Upper |
| 117         | 100   |        |       |
| 82          | 54.1  | 45.4   | 68.0  |
| 119         | 32.0  | 26.4   | 39.6  |

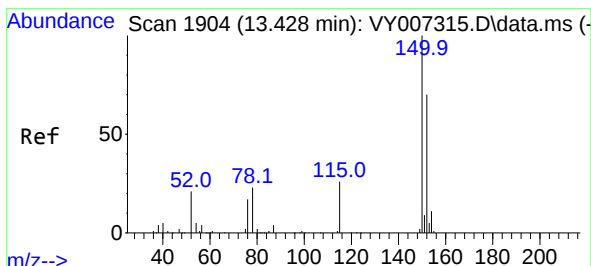
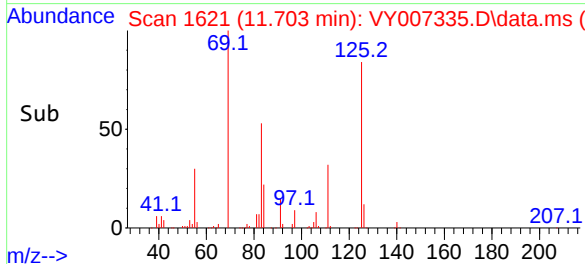
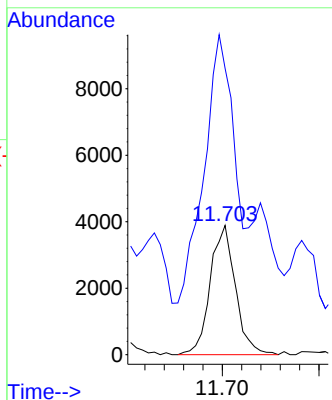
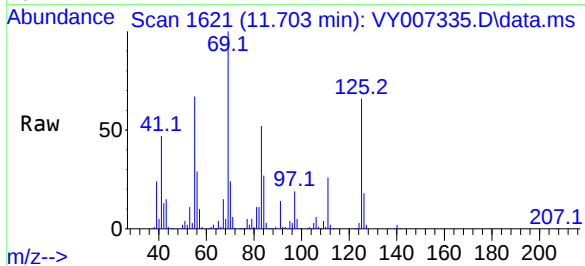




#68  
m/p-Xylenes  
Concen: 2.686 ug/l  
RT: 11.703 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

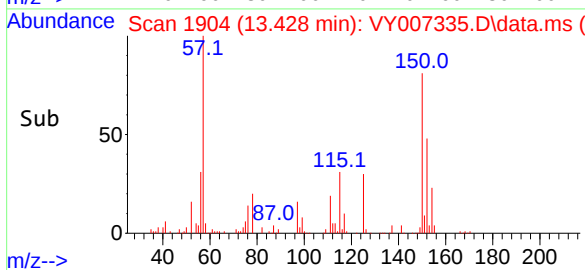
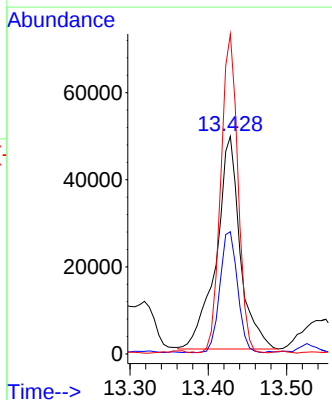
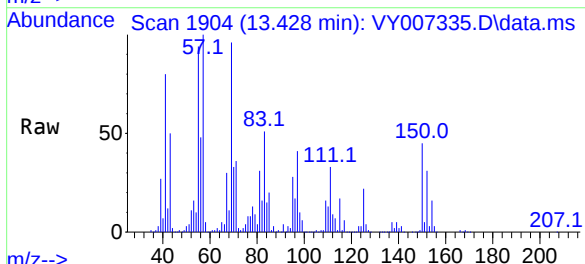
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AREA-1-B-2@4-BGS

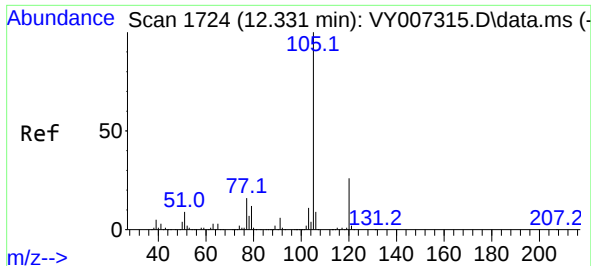
Tgt Ion:106 Resp: 7036  
Ion Ratio Lower Upper  
106 100  
91 256.3 167.1 250.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

Tgt Ion:152 Resp: 103940  
Ion Ratio Lower Upper  
152 100  
115 42.1 31.4 94.0  
150 107.0 0.0 348.4

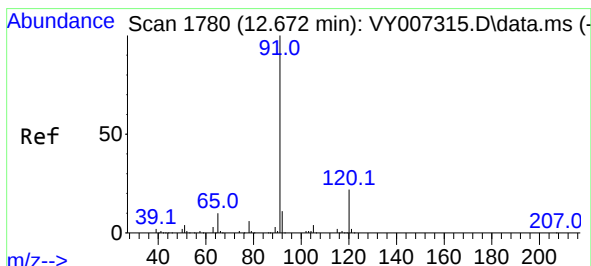
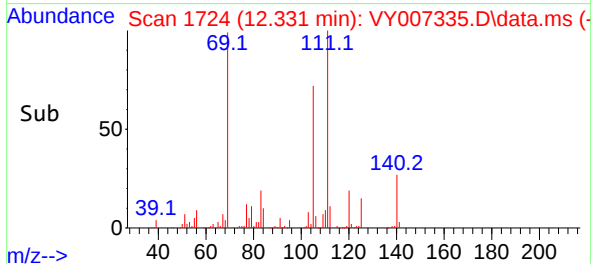
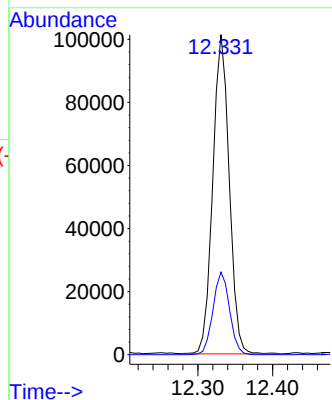
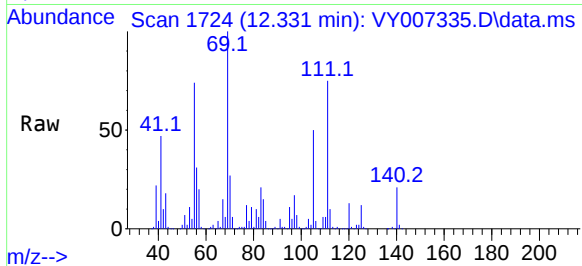




#73  
Isopropylbenzene  
Concen: 17.219 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

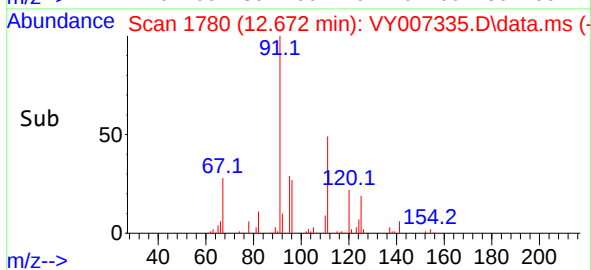
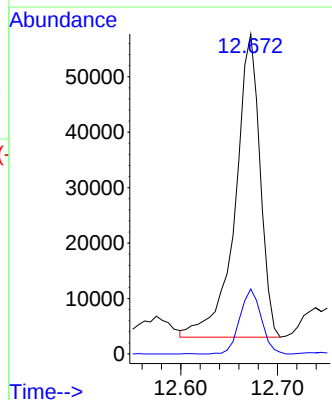
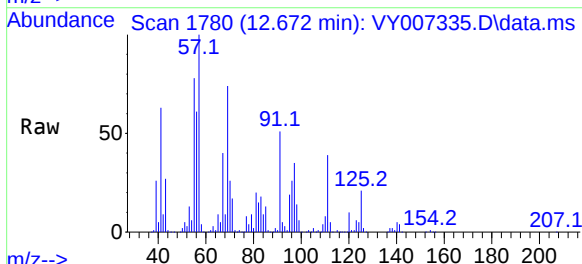
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AREA-1-B-2@4-BGS

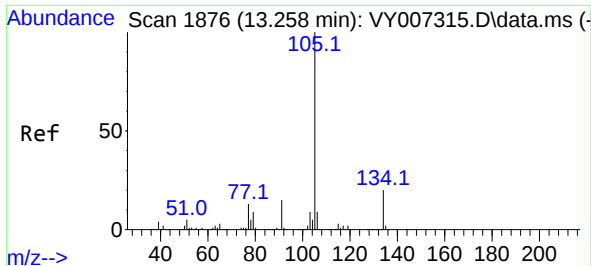
Tgt Ion:105 Resp: 154579  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.1 39.1



#78  
n-propylbenzene  
Concen: 8.770 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY007335.D  
Acq: 28 Jan 2022 20:50

Tgt Ion: 91 Resp: 97603  
Ion Ratio Lower Upper  
91 100  
120 18.5 11.2 33.5

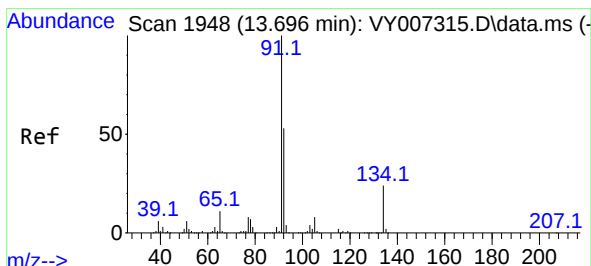
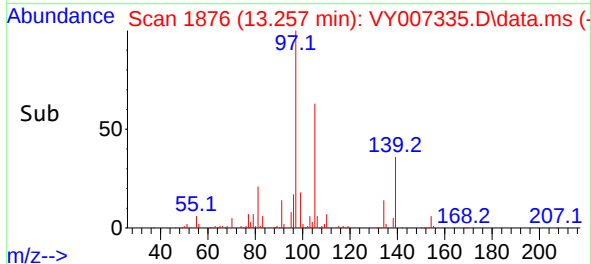
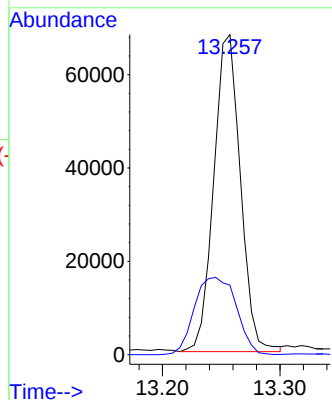
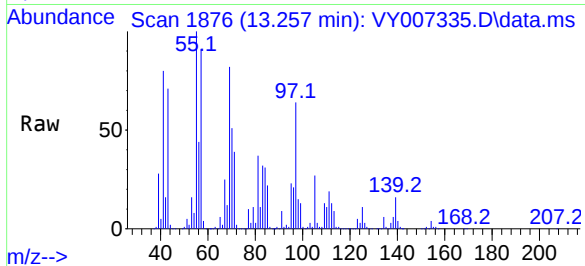




#85  
 sec-Butylbenzene  
 Concen: 11.242 ug/l  
 RT: 13.257 min Scan# 11  
 Delta R.T. 0.007 min  
 Lab File: VY007335.D  
 Acq: 28 Jan 2022 20:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AREA-1-B-2@4-BGS

Tgt Ion:105 Resp: 107118  
 Ion Ratio Lower Upper  
 105 100  
 134 38.3 9.9 29.7#



#89  
 n-Butylbenzene  
 Concen: 17.078 ug/l  
 RT: 13.696 min Scan# 1948  
 Delta R.T. 0.000 min  
 Lab File: VY007335.D  
 Acq: 28 Jan 2022 20:50

Tgt Ion: 91 Resp: 131677  
 Ion Ratio Lower Upper  
 91 100  
 92 42.5 26.9 80.6  
 134 57.0 12.6 37.6#

