

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
 Data File : VY006739.D  
 Acq On : 15 Nov 2021 18:34  
 Operator : SY/MD  
 Sample : M4681-02  
 Misc : 5.26G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2

Quant Time: Nov 16 04:22:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

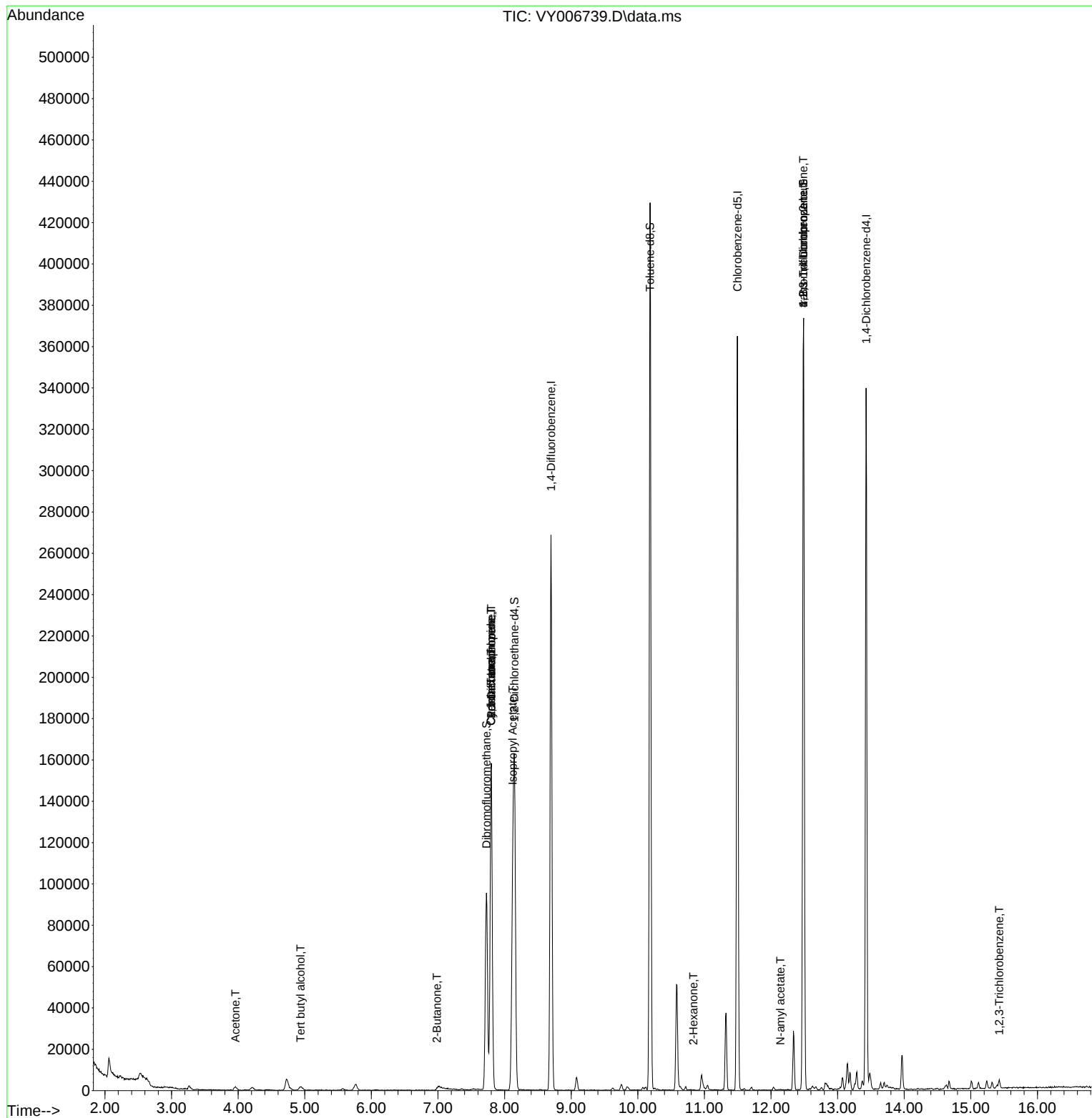
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 116875   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 204208   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 193308   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 79320    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 94181    | 61.484    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 122.960% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 65307    | 52.065    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 104.140% |          |
| 50) Toluene-d8                | 10.185 | 98    | 259160   | 49.929    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 99.860%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 85192    | 48.685    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 97.380%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 11) Tert butyl alcohol        | 4.936  | 59    | 2232     | 9.689     | ug/l       | # 72     |
| 16) Acetone                   | 3.960  | 43    | 3122     | 6.708     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.722  | 84    | 3569     | Below Cal |            | 96       |
| 25) 2-Butanone                | 6.984  | 43    | 382      | 12.039    | ug/l       | # 52     |
| 31) Cyclohexane               | 7.795  | 56    | 2900     | 1.077     | ug/l       | # 25     |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 10889    | 4.906     | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11774    | 5.186     | ug/l       | # 17     |
| 43) Isopropyl Acetate         | 8.124  | 43    | 3207     | 1.152     | ug/l       | # 18     |
| 59) 2-Hexanone                | 10.837 | 43    | 256      | 24.031    | ug/l       | # 28     |
| 74) N-amyl acetate            | 12.142 | 43    | 301      | 3.284     | ug/l       | # 65     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 49913    | 57.878    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 49913    | 114.683   | ug/l       | # 7      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180   | 1320     | 1.026     | ug/l       | 99       |
| -----                         |        |       |          |           |            |          |

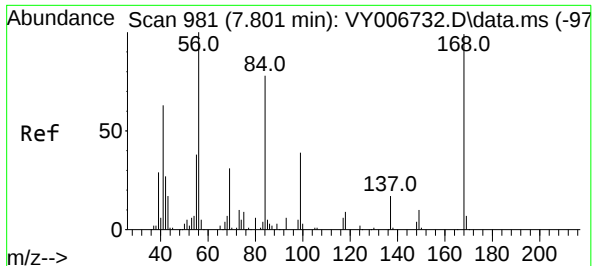
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
Data File : VY006739.D  
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Sample : M4681-02  
Misc : 5.26G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Nov 16 04:22:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration

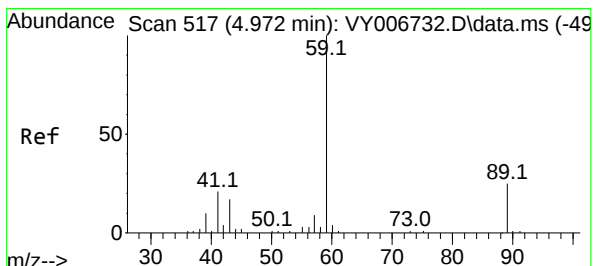
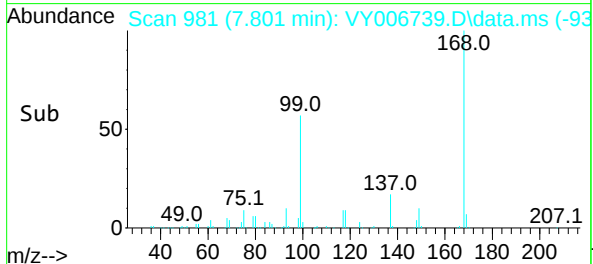
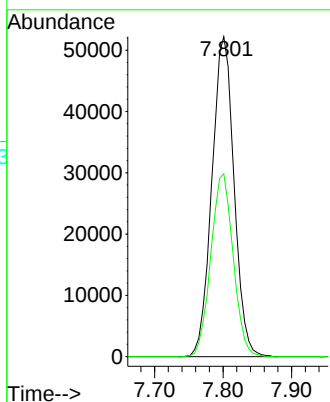
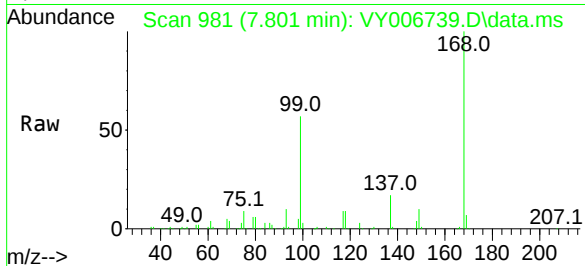




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

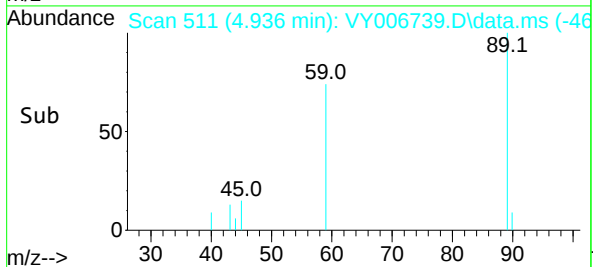
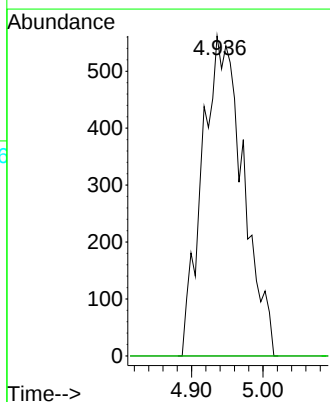
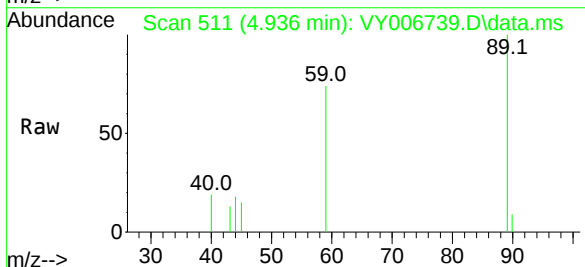
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

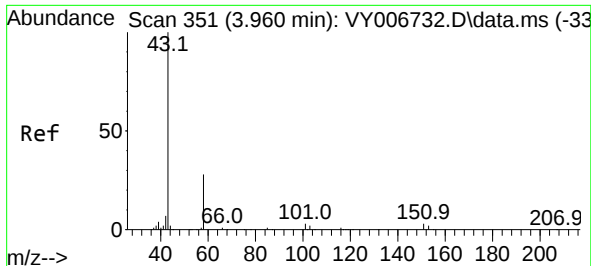
Tgt Ion:168 Resp: 116875  
Ion Ratio Lower Upper  
168 100  
99 57.2 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 9.689 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.036 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

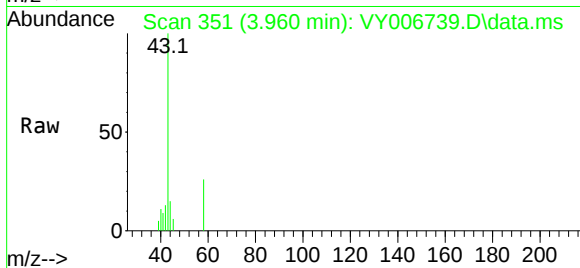
Tgt Ion: 59 Resp: 2232  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



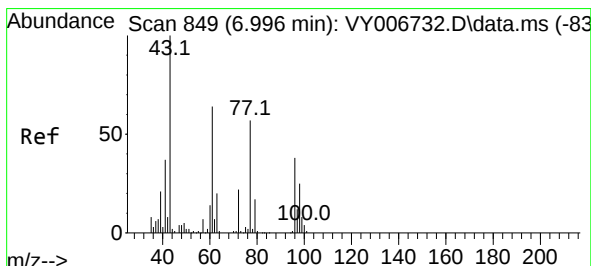
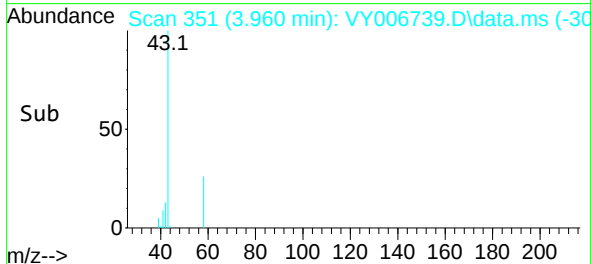
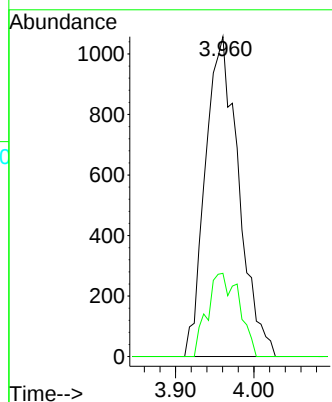


#16  
Acetone  
Concen: 6.708 ug/l  
RT: 3.960 min Scan# 3122  
Delta R.T. -0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

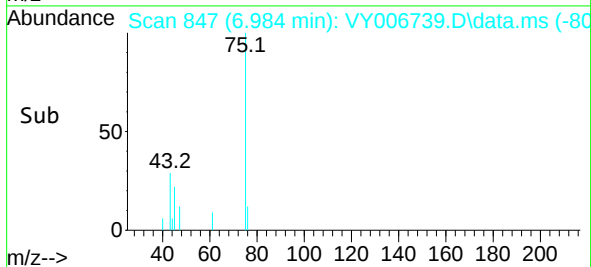
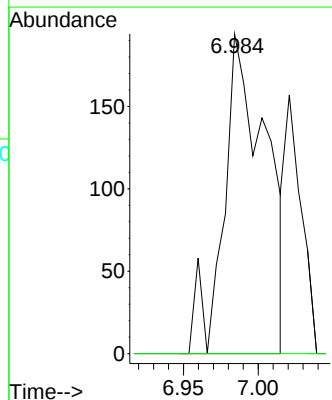
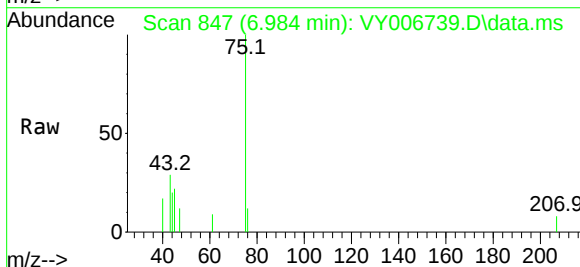


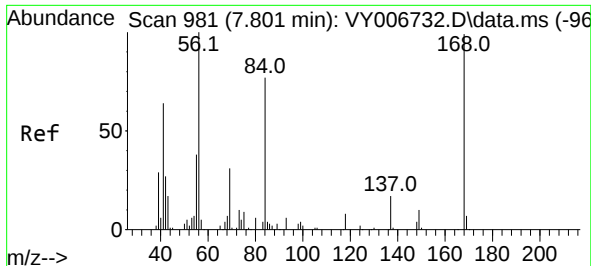
Tgt Ion: 43 Resp: 3122  
Ion Ratio Lower Upper  
43 100  
58 26.0 22.9 34.3



#25  
2-Butanone  
Concen: 12.039 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion: 43 Resp: 382  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.9 28.3#

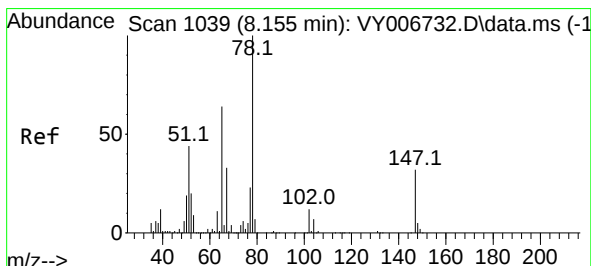
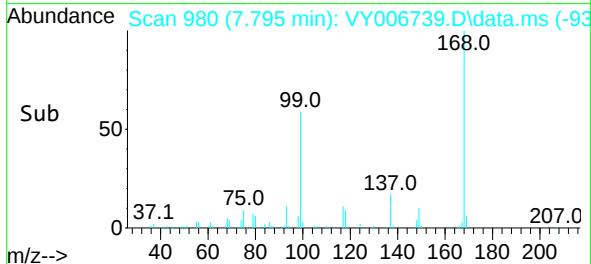
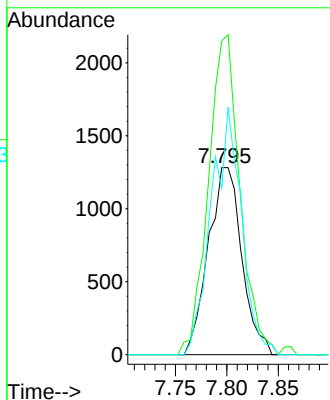
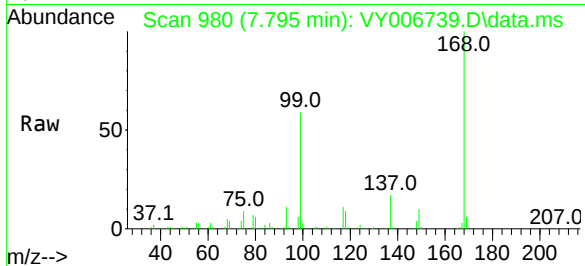




#31  
Cyclohexane  
Concen: 1.077 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

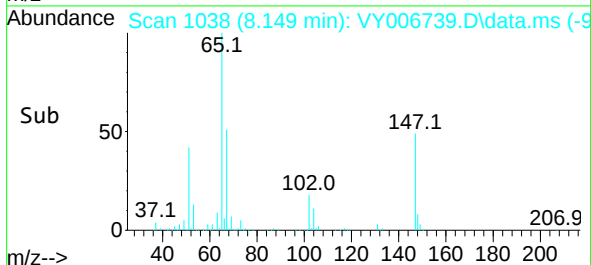
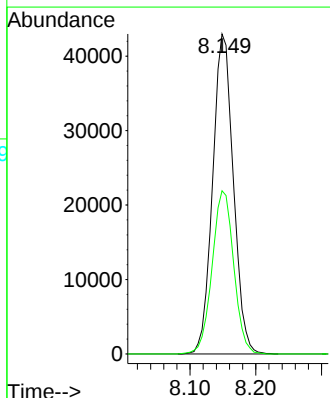
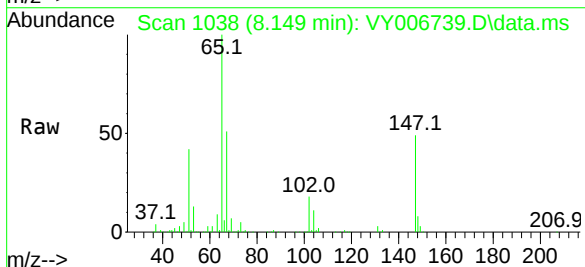
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

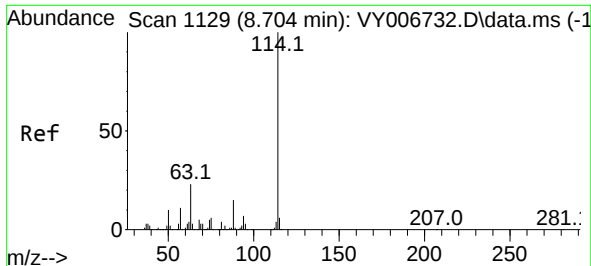
Tgt Ion: 56 Resp: 2900  
Ion Ratio Lower Upper  
56 100  
69 167.6 26.6 40.0#  
84 89.0 65.0 97.4



#33  
1,2-Dichloroethane-d4  
Concen: 61.484 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion: 65 Resp: 94181  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006739.D

Acq: 15 Nov 2021 18:34

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-2

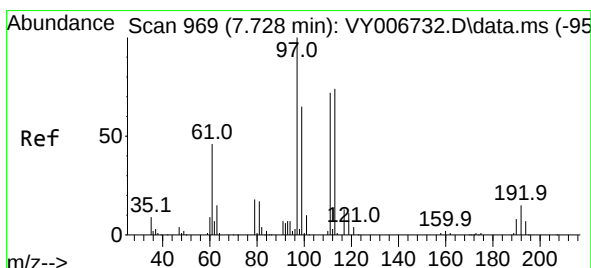
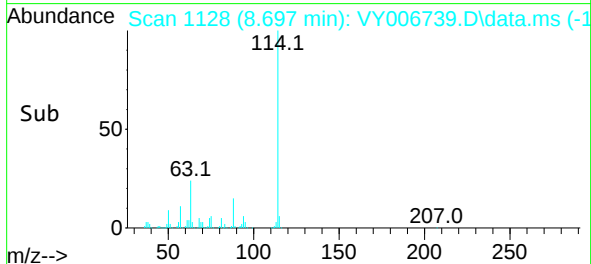
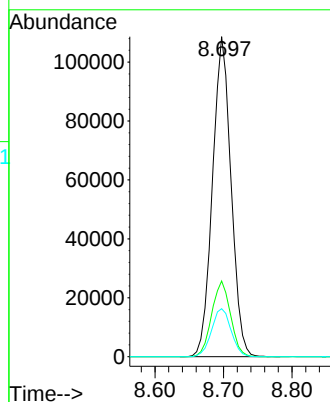
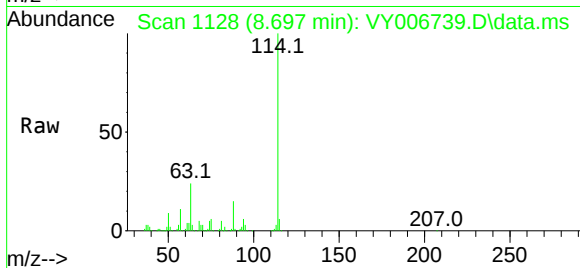
Tgt Ion:114 Resp: 204208

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.0

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.065 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006739.D

Acq: 15 Nov 2021 18:34

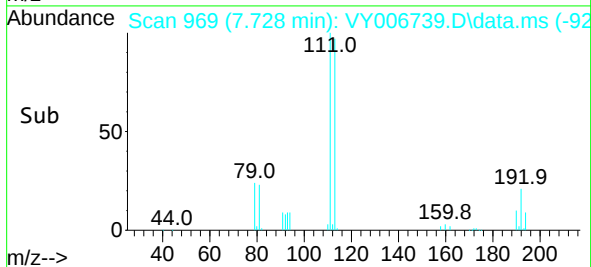
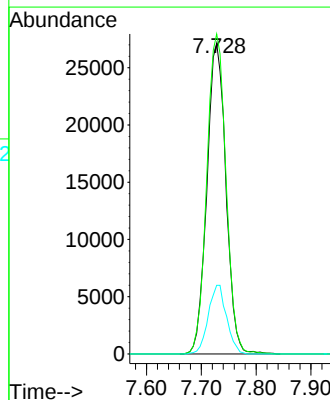
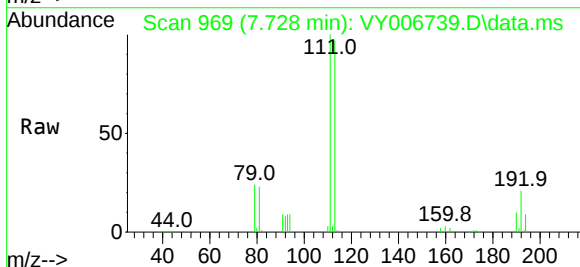
Tgt Ion:113 Resp: 65307

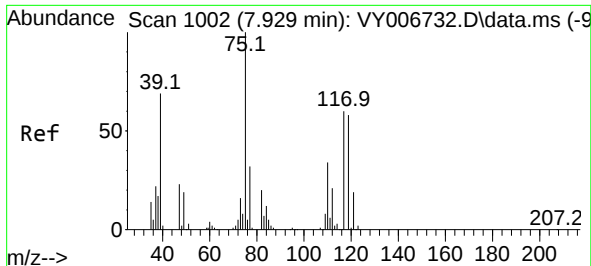
Ion Ratio Lower Upper

113 100

111 103.9 82.3 123.5

192 21.2 17.4 26.2

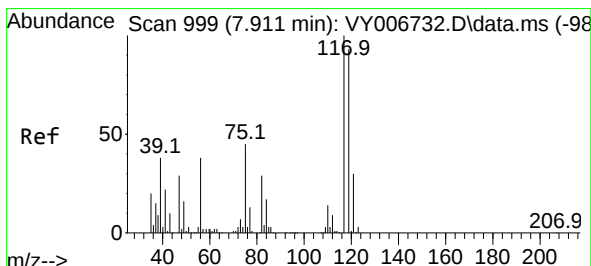
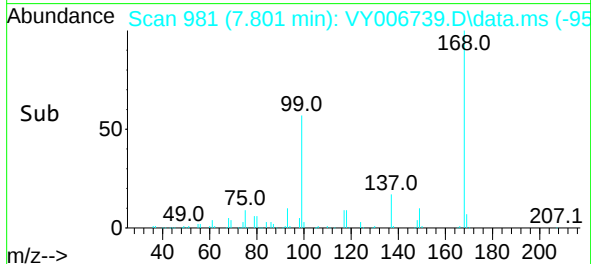
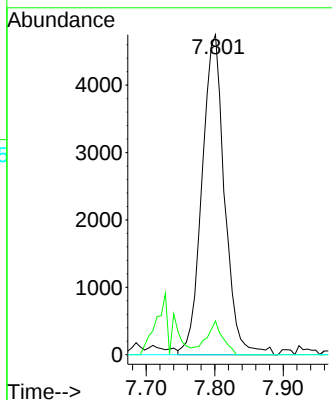
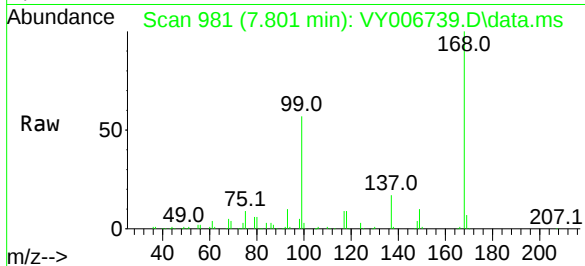




#36  
 1,1-Dichloropropene  
 Concen: 4.906 ug/l  
 RT: 7.801 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY006739.D  
 Acq: 15 Nov 2021 18:34

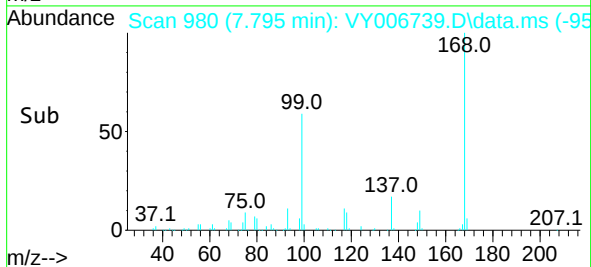
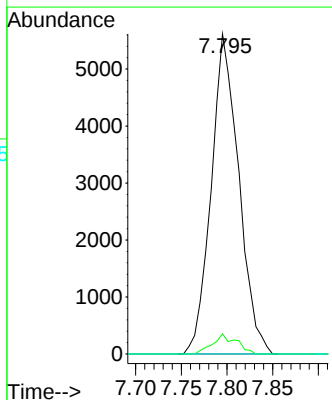
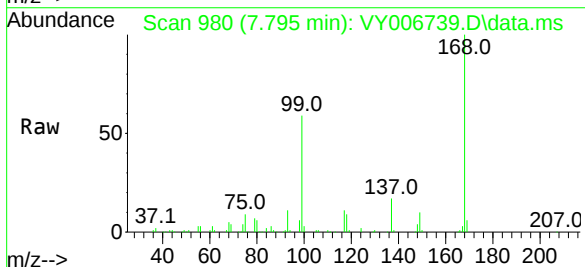
Instrument :  
 MSVOA\_Y  
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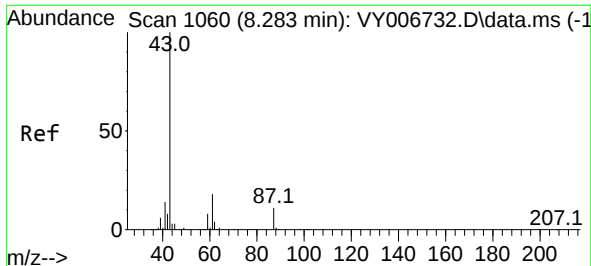
Tgt Ion: 75 Resp: 10889  
 Ion Ratio Lower Upper  
 75 100  
 110 7.9 17.1 51.3#  
 77 0.0 24.9 37.3#



#38  
 Carbon Tetrachloride  
 Concen: 5.186 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.116 min  
 Lab File: VY006739.D  
 Acq: 15 Nov 2021 18:34

Tgt Ion: 117 Resp: 11774  
 Ion Ratio Lower Upper  
 117 100  
 119 6.3 76.6 115.0#  
 121 0.0 24.7 37.1#

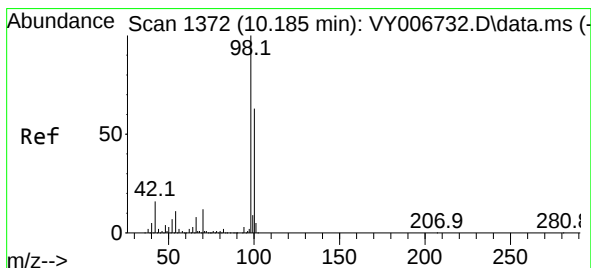
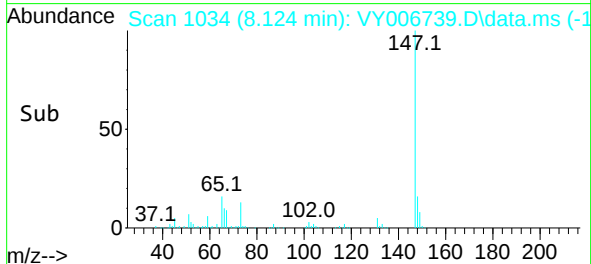
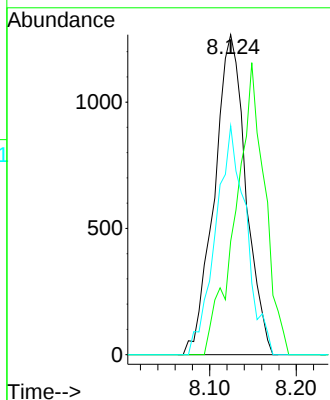
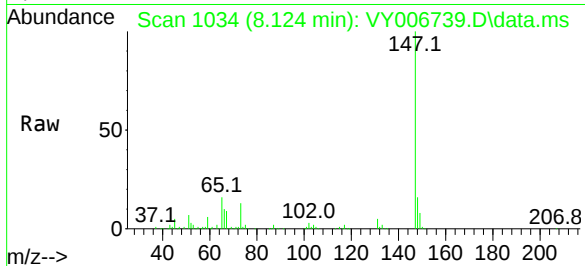




#43  
Isopropyl Acetate  
Concen: 1.152 ug/l  
RT: 8.124 min Scan# 1034  
Delta R.T. -0.159 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

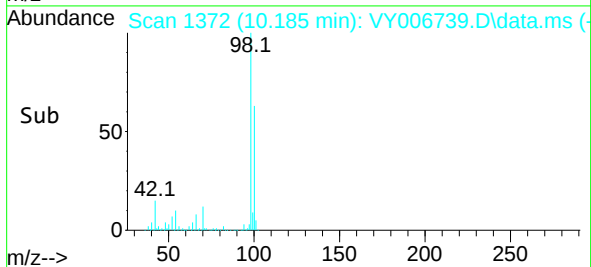
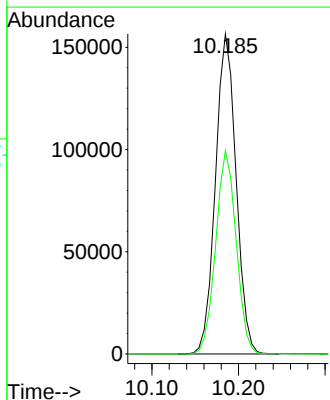
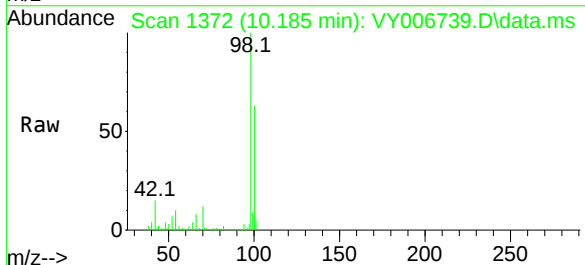
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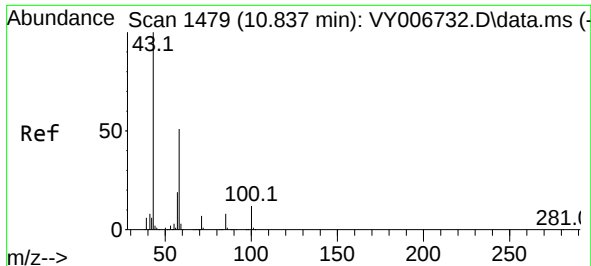
Tgt Ion: 43 Resp: 3207  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.5 30.7#  
87 69.4 9.0 13.6#



#50  
Toluene-d8  
Concen: 49.929 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion: 98 Resp: 259160  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3

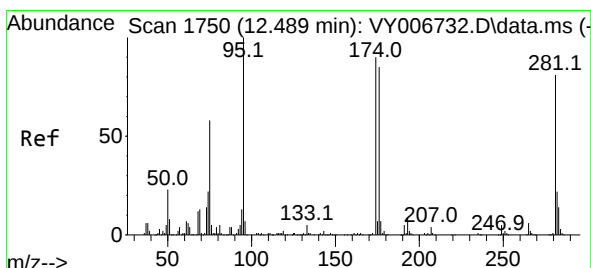
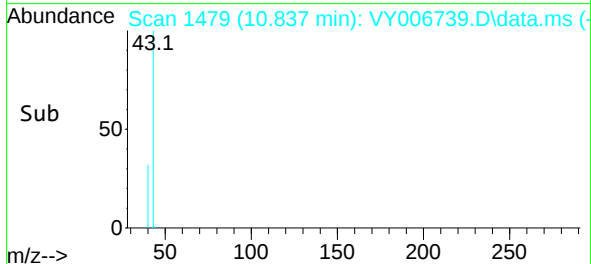
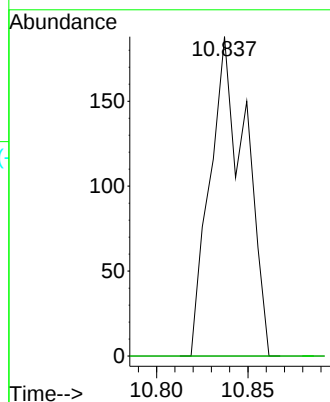
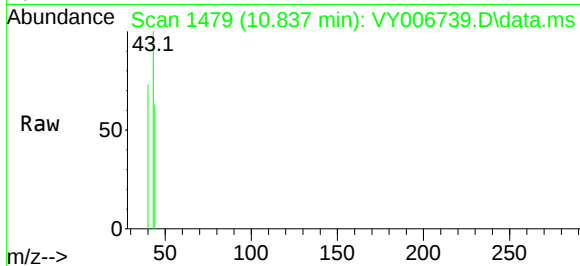




#59  
2-Hexanone  
Concen: 24.031 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

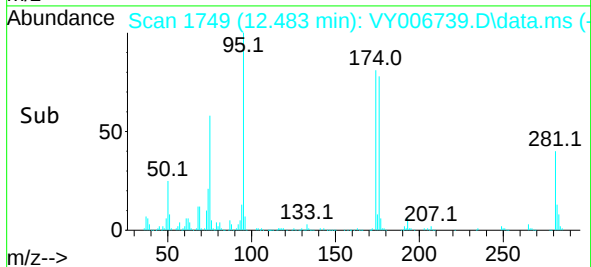
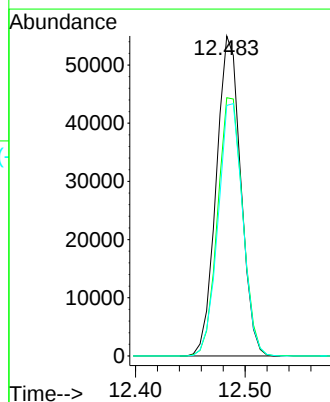
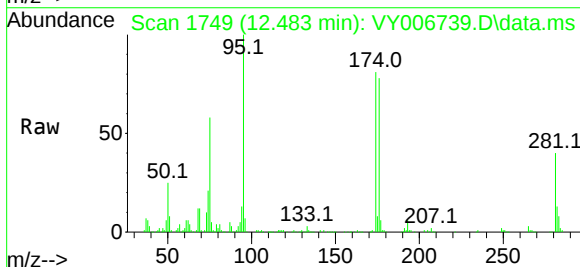
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

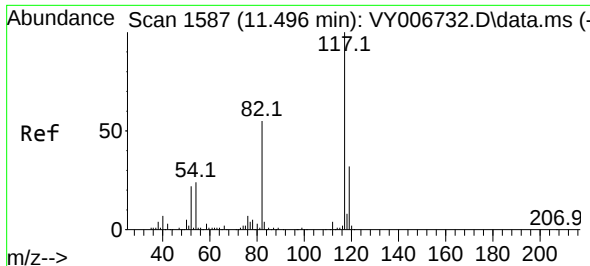
Tgt Ion: 43 Resp: 256  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.6 73.6#



#62  
4-Bromofluorobenzene  
Concen: 48.685 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion: 95 Resp: 85192  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 177.0  
176 79.5 0.0 169.4

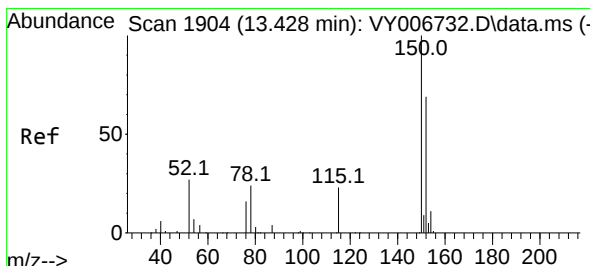
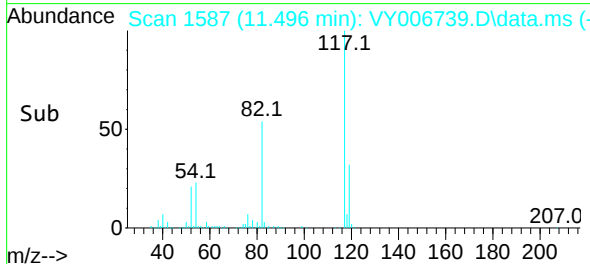
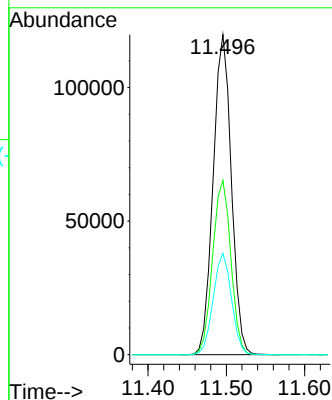
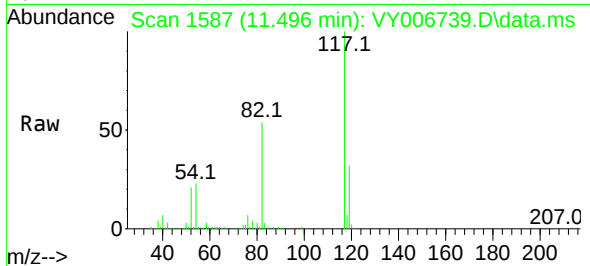




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

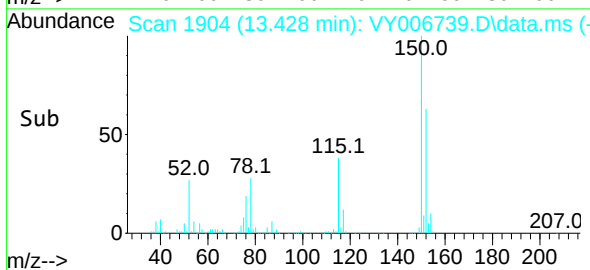
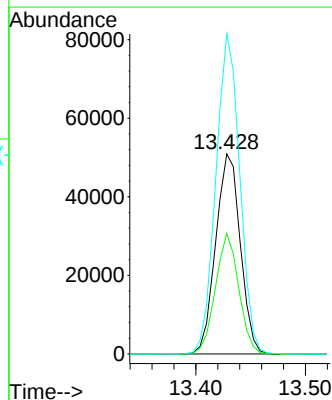
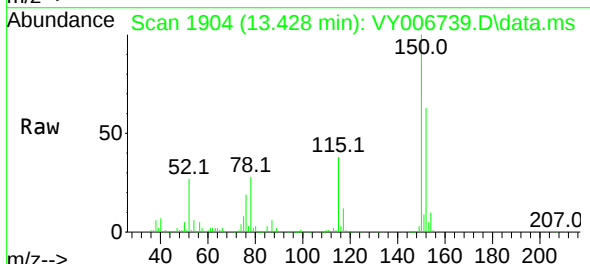
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

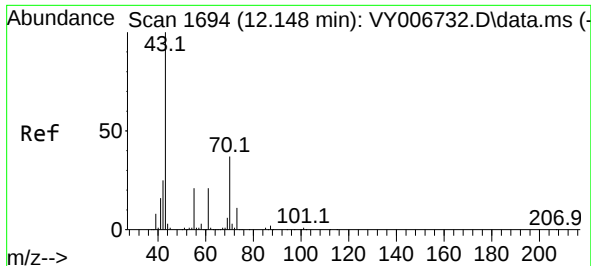
Tgt Ion:117 Resp: 193308  
Ion Ratio Lower Upper  
117 100  
82 54.4 45.7 68.5  
119 31.7 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion:152 Resp: 79320  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.5 85.5  
150 155.8 0.0 348.2

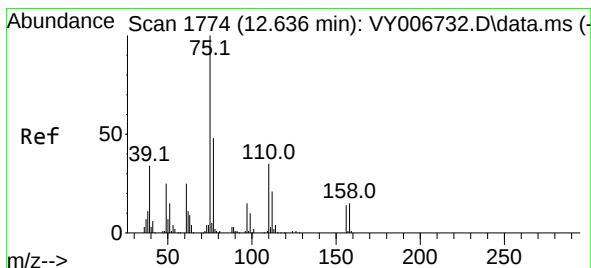
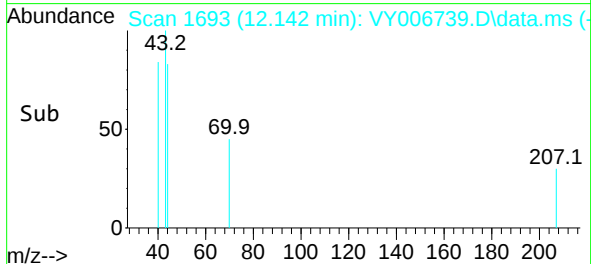
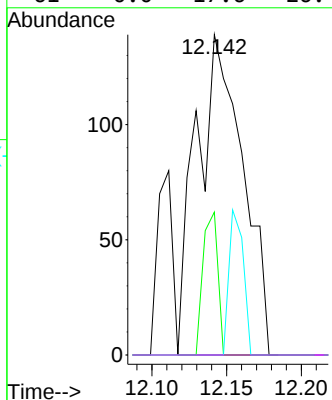
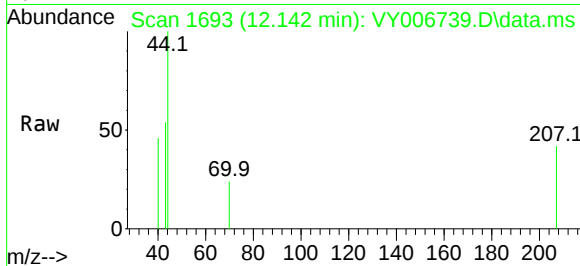




#74  
N-amy1 acetate  
Concen: 3.284 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.006 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

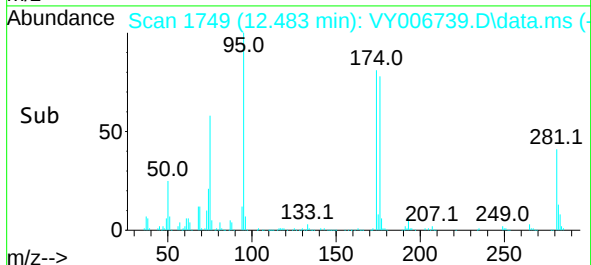
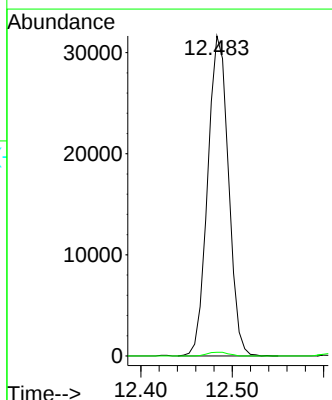
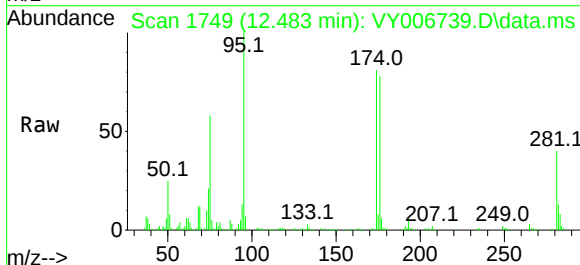
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

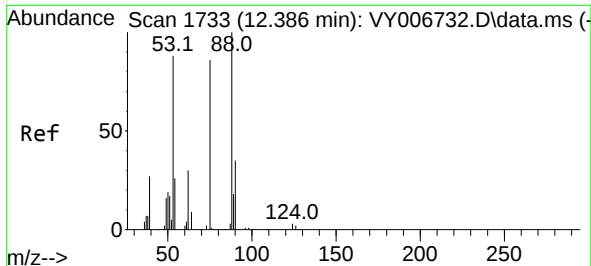
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 301         |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 70          | 14.0  | 29.4 44.0#  |
| 55          | 14.0  | 18.1 27.1#  |
| 61          | 0.0   | 17.6 26.4#  |



#76  
1,2,3-Trichloropropane  
Concen: 57.878 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 49913       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 1.2   | 0.0 0.0#    |

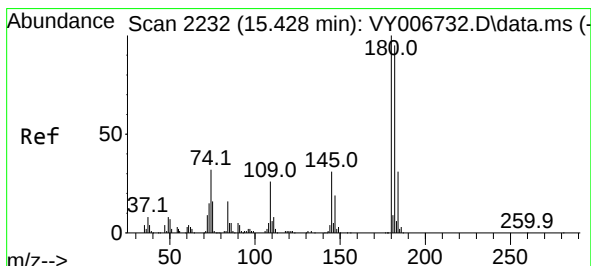
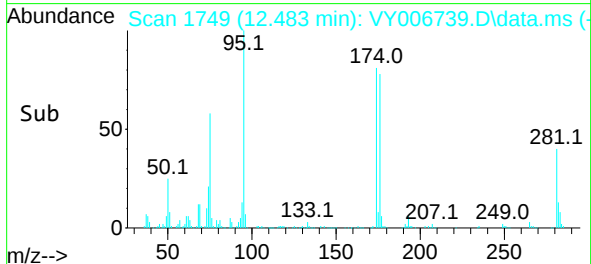
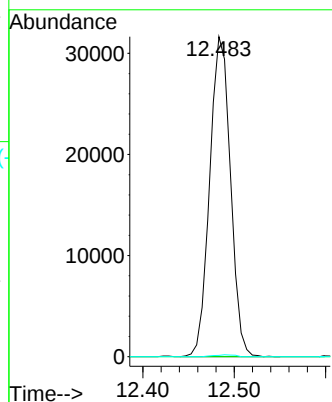
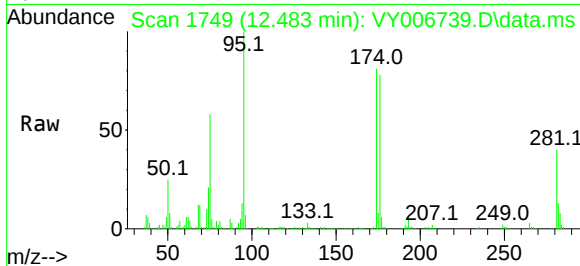




#81  
trans-1,4-Dichloro-2-butene  
Concen: 114.683 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

Tgt Ion: 75 Resp: 49913  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.6 39.3 58.9#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.026 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY006739.D  
Acq: 15 Nov 2021 18:34

Tgt Ion:180 Resp: 1320  
Ion Ratio Lower Upper  
180 100  
182 95.9 47.8 143.4  
145 27.9 15.3 45.8

