

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093021\  
 Data File : VY006237.D  
 Acq On : 30 Sep 2021 14:10  
 Operator : SY/MD  
 Sample : M3990-04  
 Misc : 7.71G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 01 06:27:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

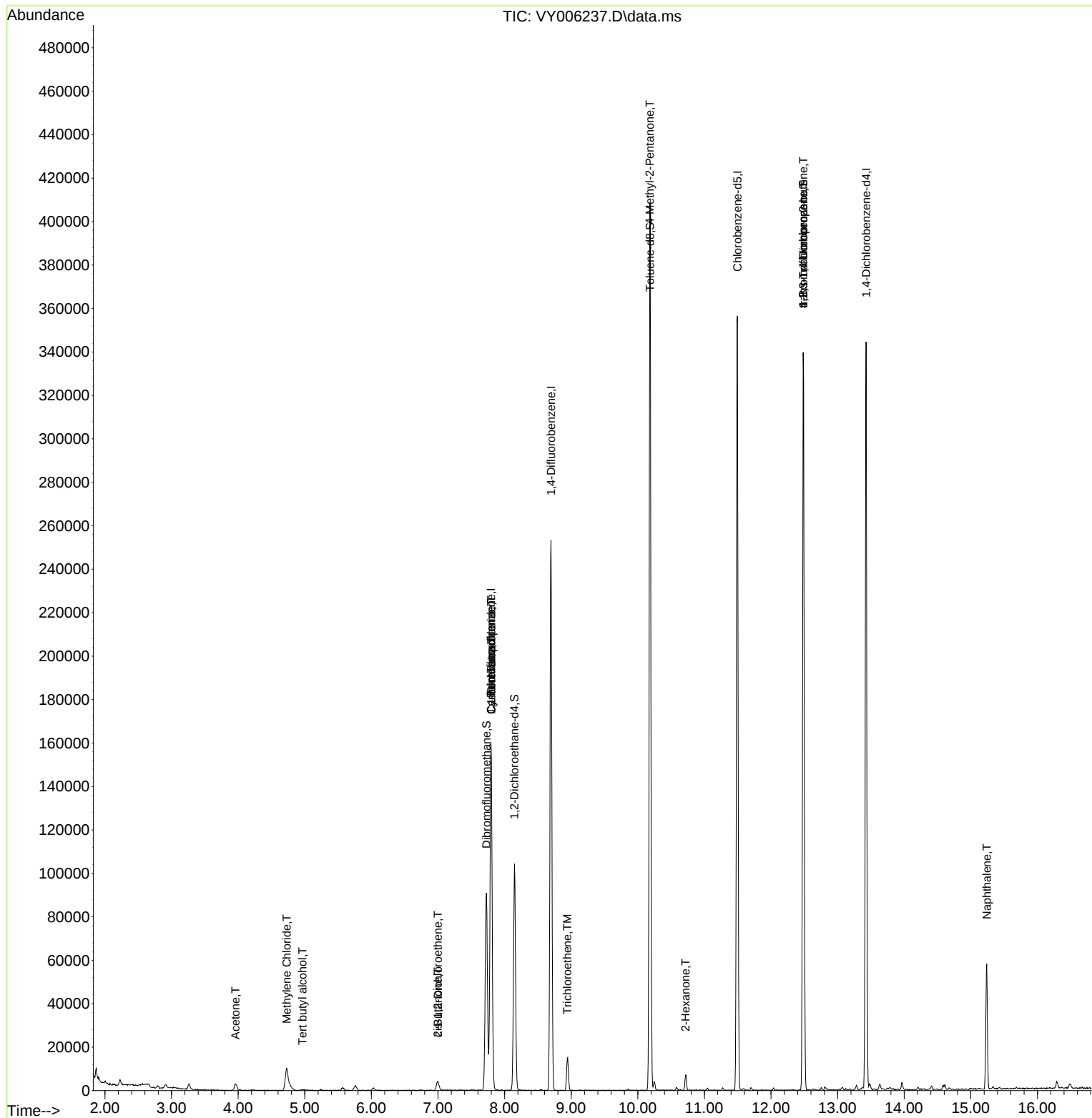
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 126305              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 206879              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 191597              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 85260               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 84501               | 62.508  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 125.020% |         |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 61452               | 55.599  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 111.200% |         |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 257572              | 55.682  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 111.360% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 80704               | 51.357  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 102.720% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.966          | 59   | 424                 | 3.586   | ug/l # | 77       |
| 16) Acetone                   | 3.960          | 43   | 5490                | 14.540  | ug/l # | 88       |
| 20) Methylene Chloride        | 4.728          | 84   | 6706                | 1.522   | ug/l   | 87       |
| 25) 2-Butanone                | 6.996          | 43   | 762                 | 1.449   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene    | 6.996          | 96   | 2363                | 1.609   | ug/l   | 87       |
| 31) Cyclohexane               | 7.801          | 56   | 2628                | 1.026   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 9247                | 4.492   | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 12211               | 5.618   | ug/l # | 15       |
| 44) Trichloroethene           | 8.941          | 130  | 5089                | 3.374   | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.179         | 43   | 1240                | 1.038   | ug/l # | 1        |
| 59) 2-Hexanone                | 10.715         | 43   | 1178                | 1.385   | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 45929               | 55.424  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 45929               | 108.916 | ug/l # | 7        |
| 95) Naphthalene               | 15.239         | 128  | 46263               | 14.204  | ug/l   | 99       |
| -----                         |                |      |                     |         |        |          |

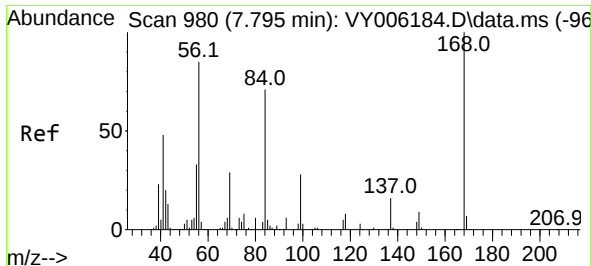
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093021\  
Data File : VY006237.D  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 01 06:27:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration

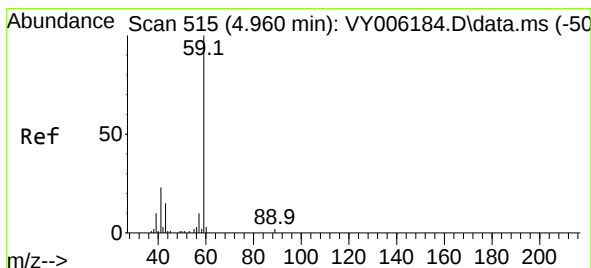
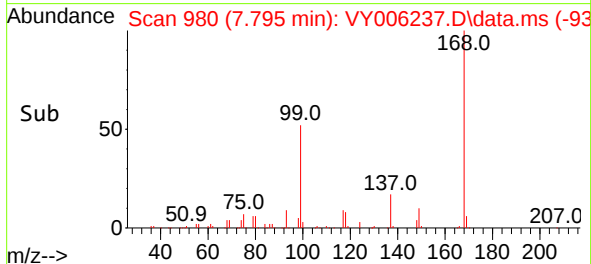
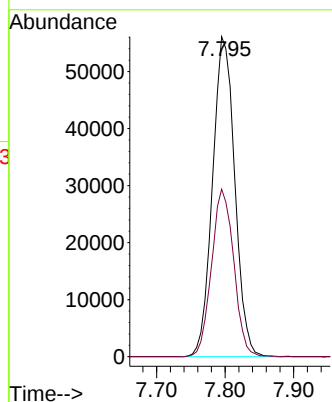
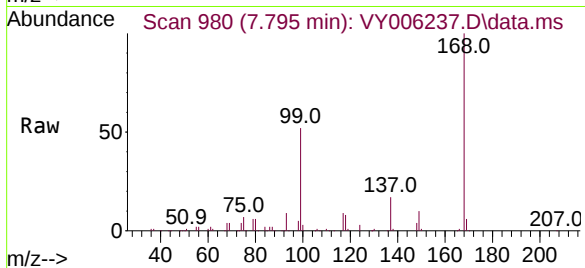




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

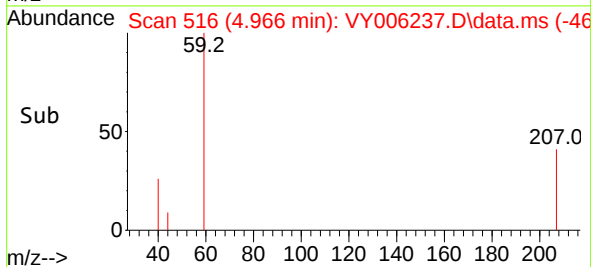
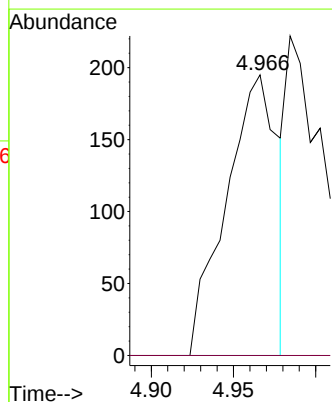
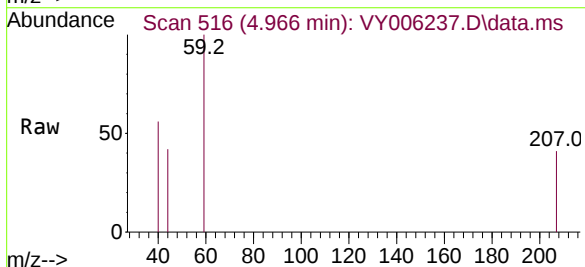
Instrument :  
MSVOA\_Y  
ClientSampled :

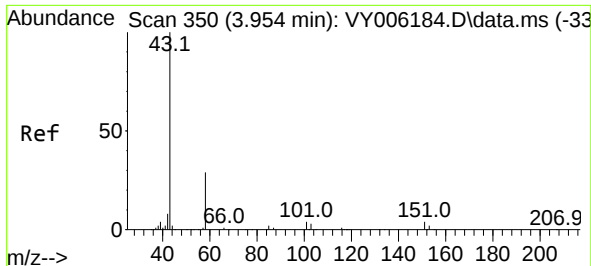
Tgt Ion:168 Resp: 126305  
Ion Ratio Lower Upper  
168 100  
99 52.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 3.586 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

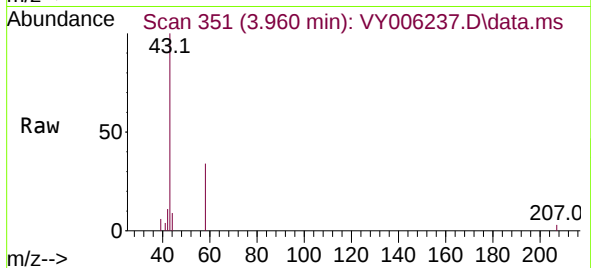
Tgt Ion: 59 Resp: 424  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



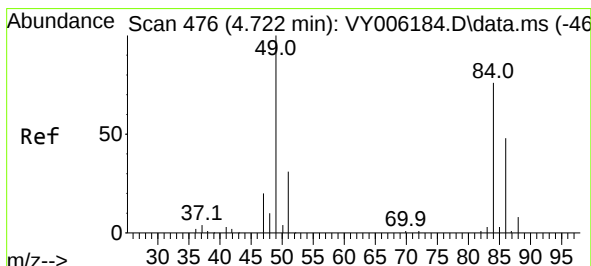
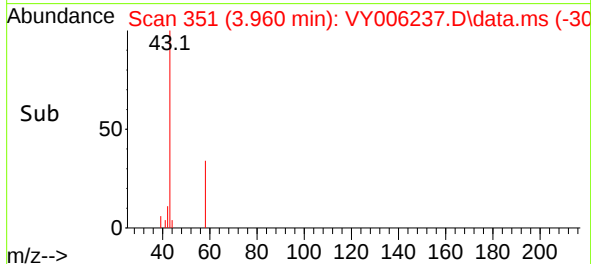
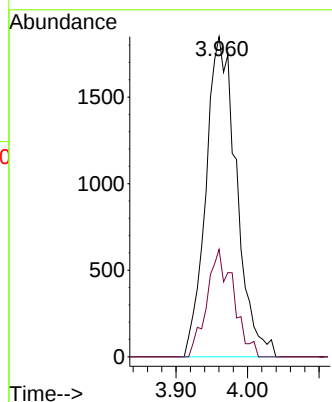


#16  
Acetone  
Concen: 14.540 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Instrument :  
MSVOA\_Y  
ClientSampled :

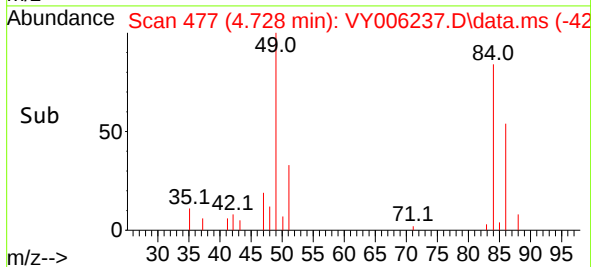
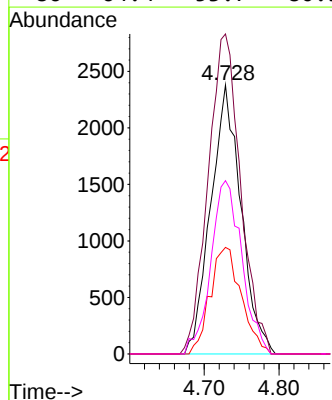
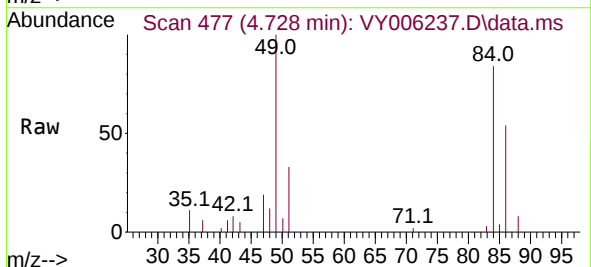


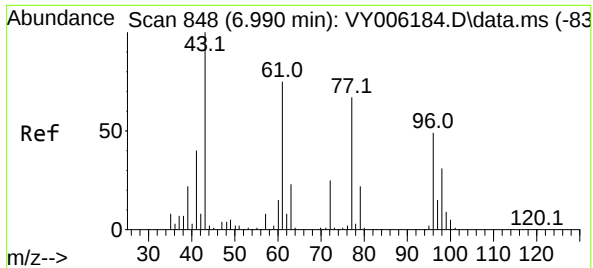
Tgt Ion: 43 Resp: 5490  
Ion Ratio Lower Upper  
43 100  
58 33.6 22.0 33.0#



#20  
Methylene Chloride  
Concen: 1.522 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Tgt Ion: 84 Resp: 6706  
Ion Ratio Lower Upper  
84 100  
49 119.0 114.4 171.6  
51 39.6 35.3 52.9  
86 64.4 53.7 80.5





#25

2-Butanone

Concen: 1.449 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY006237.D

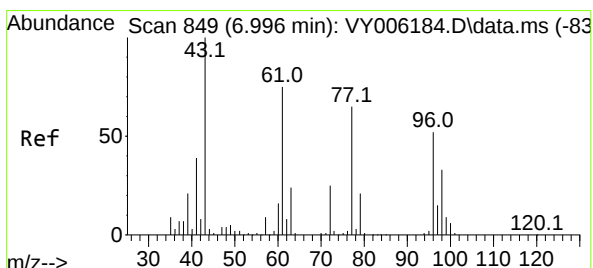
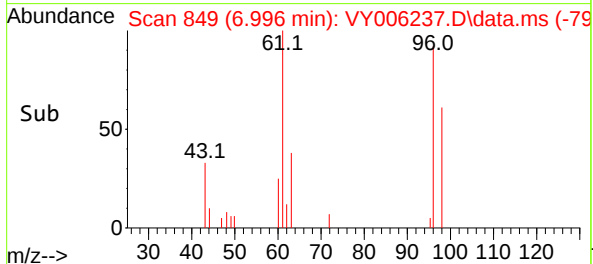
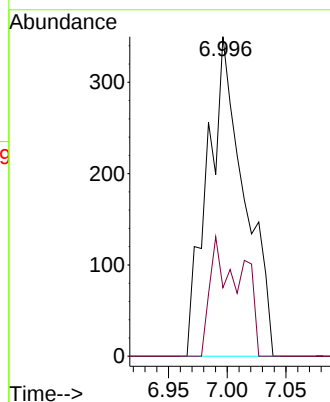
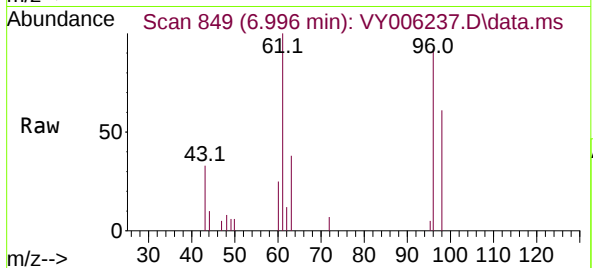
Acq: 30 Sep 2021 14:10

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

72 21.4 17.7 26.5



#27

cis-1,2-Dichloroethene

Concen: 1.609 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006237.D

Acq: 30 Sep 2021 14:10

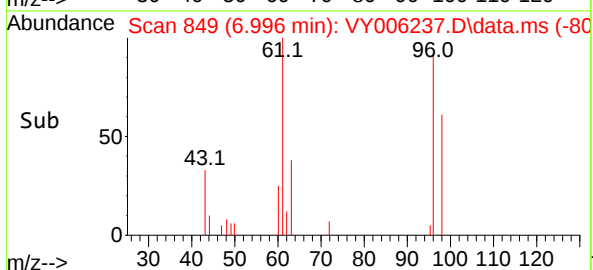
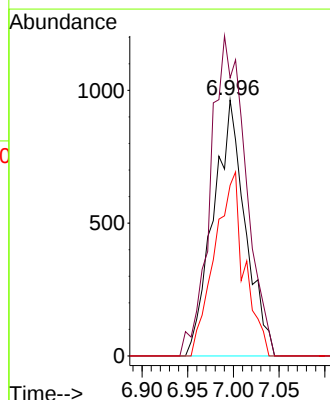
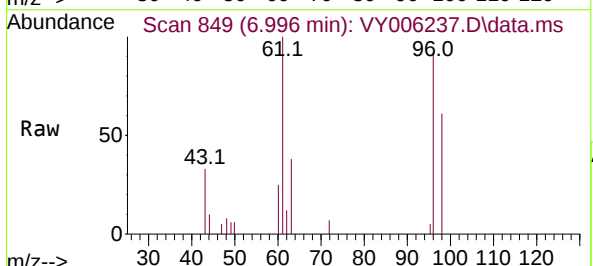
Tgt Ion: 96 Resp: 2363

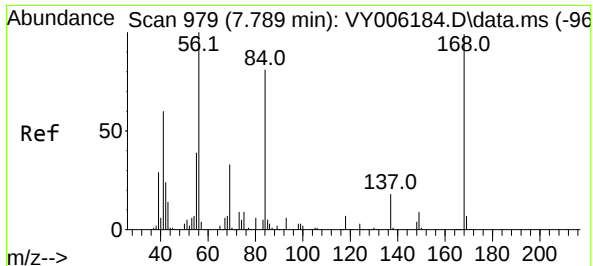
Ion Ratio Lower Upper

96 100

61 137.1 0.0 319.8

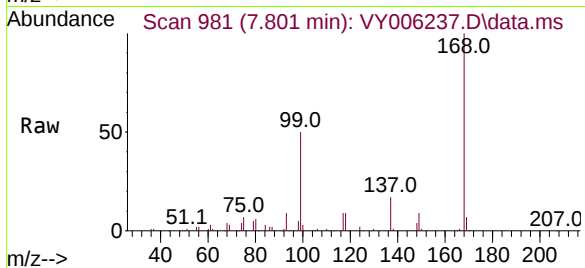
98 66.6 0.0 127.0



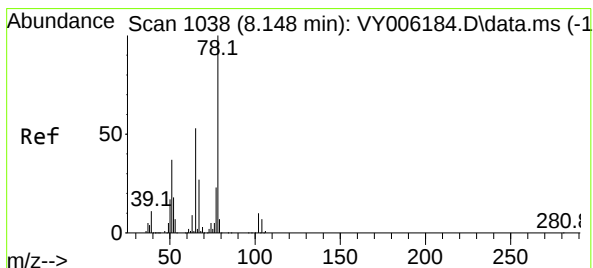
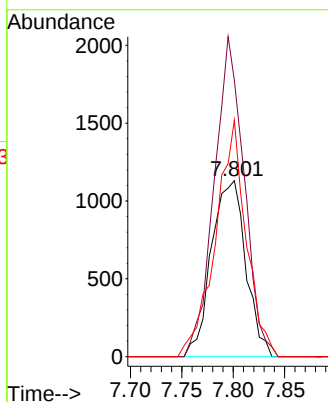
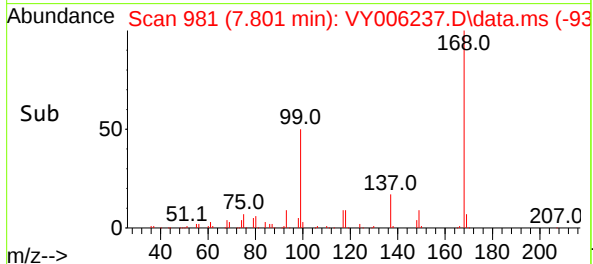


#31  
Cyclohexane  
Concen: 1.026 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

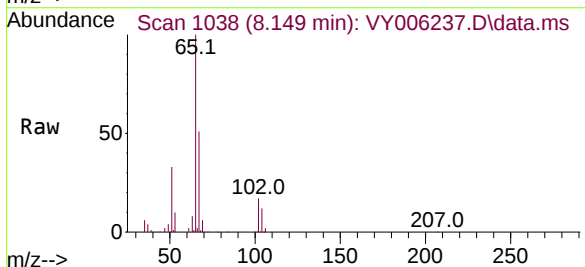
Instrument :  
MSVOA\_Y  
ClientSampleId :



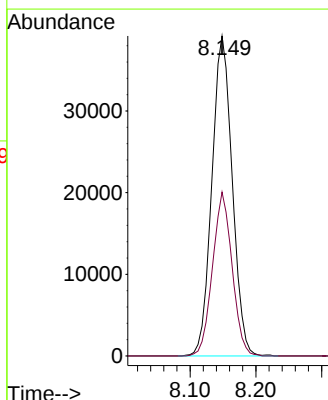
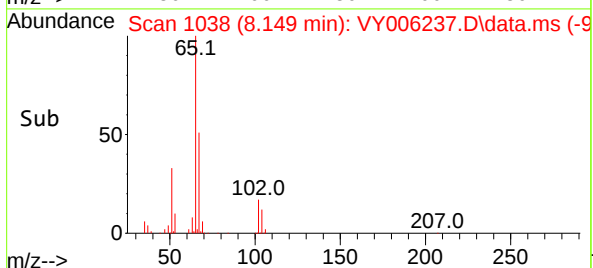
Tgt Ion: 56 Resp: 2628  
Ion Ratio Lower Upper  
56 100  
69 157.0 26.7 40.1#  
84 134.4 67.2 100.8#

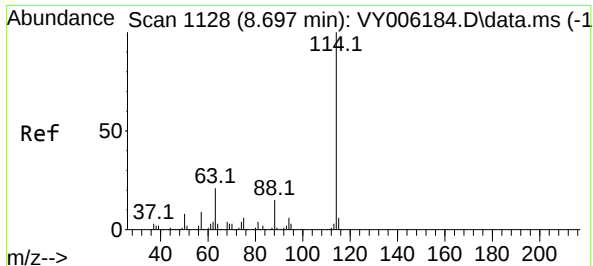


#33  
1,2-Dichloroethane-d4  
Concen: 62.508 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10



Tgt Ion: 65 Resp: 84501  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 99.4

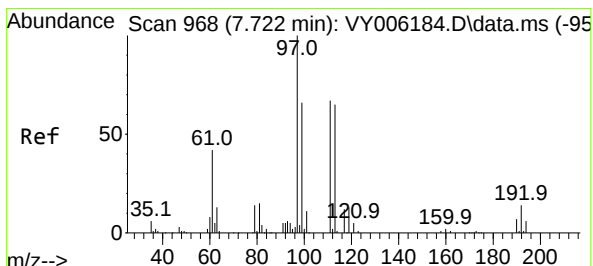
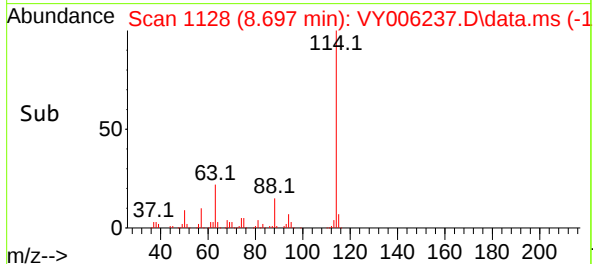
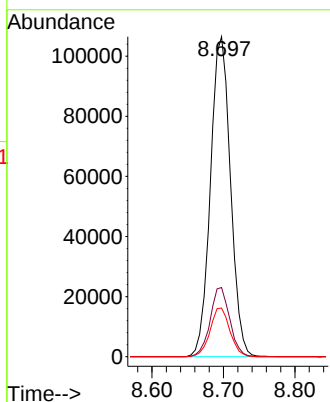
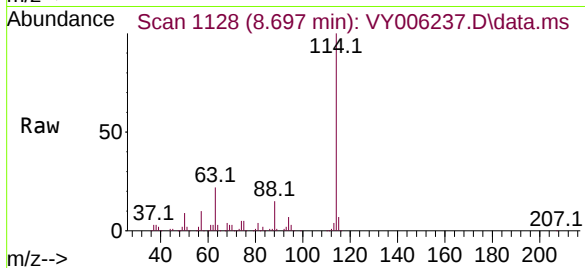




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

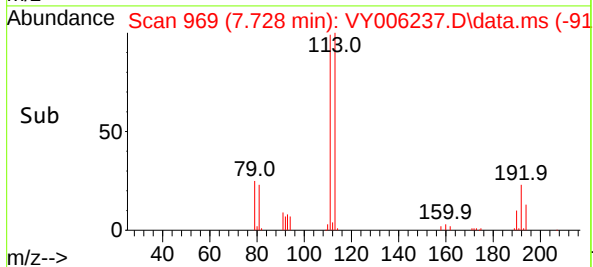
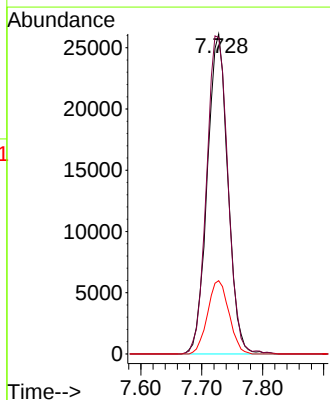
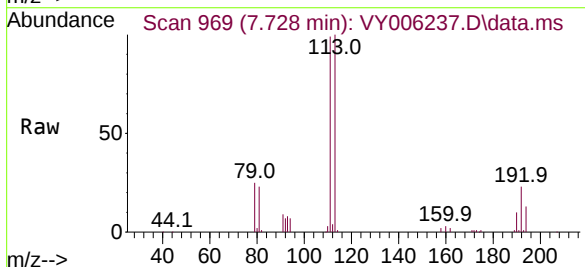
Instrument :  
MSVOA\_Y  
ClientSampled :

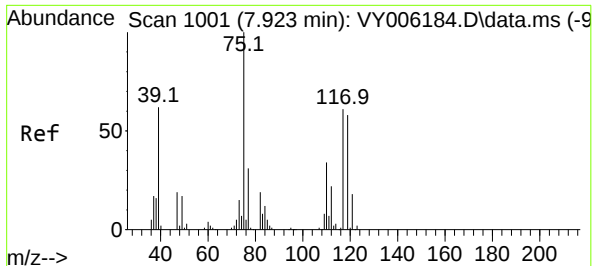
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 206879 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.6  | 0.0   | 43.2   |
| 88       | 15.2  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 55.599 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 61452 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.0 | 82.6  | 124.0 |
| 192      | 23.7  | 17.6  | 26.4  |





#36

1,1-Dichloropropene

Concen: 4.492 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY006237.D

Acq: 30 Sep 2021 14:10

Tgt Ion: 75 Resp: 9247

Ion Ratio Lower Upper

75 100

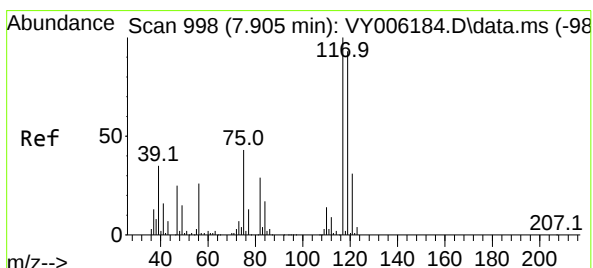
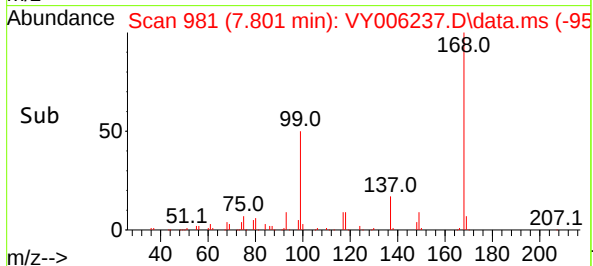
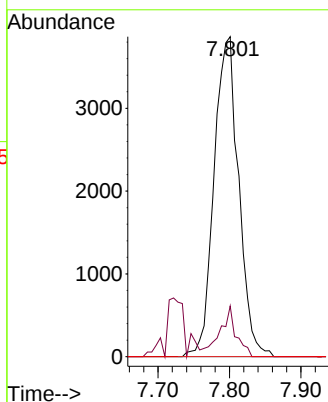
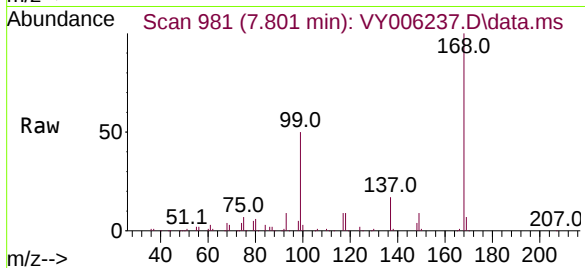
110 10.2 17.1 51.2#

77 0.0 24.4 36.6#

Instrument :

MSVOA\_Y

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.618 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY006237.D

Acq: 30 Sep 2021 14:10

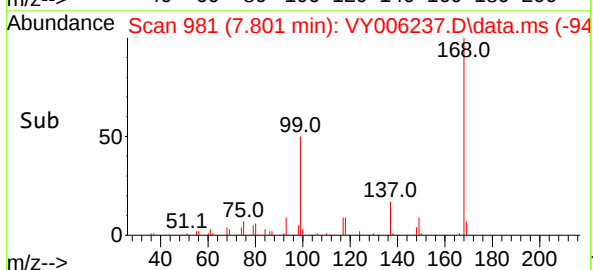
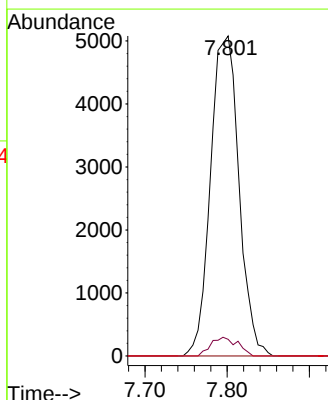
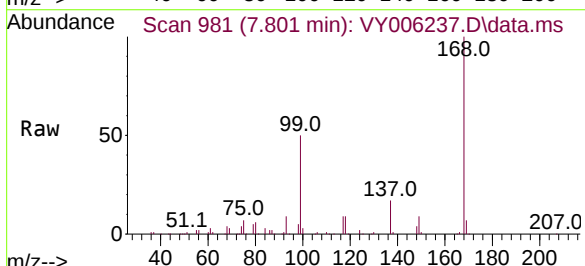
Tgt Ion: 117 Resp: 12211

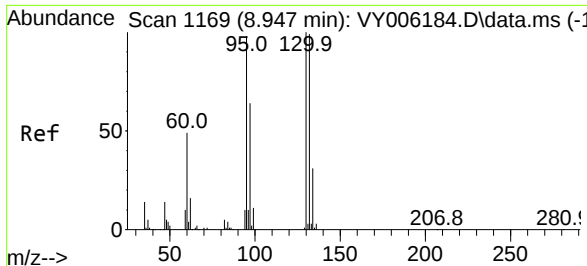
Ion Ratio Lower Upper

117 100

119 5.2 77.9 116.9#

121 0.0 24.8 37.2#

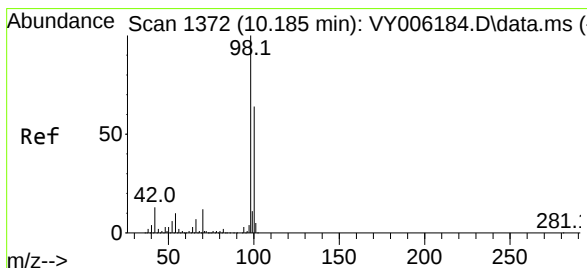
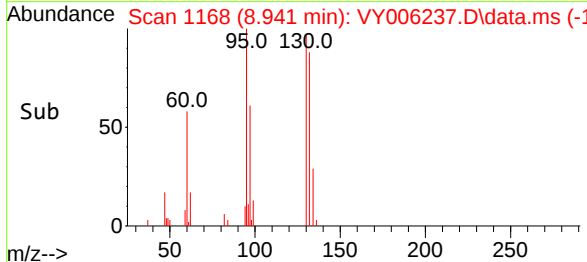
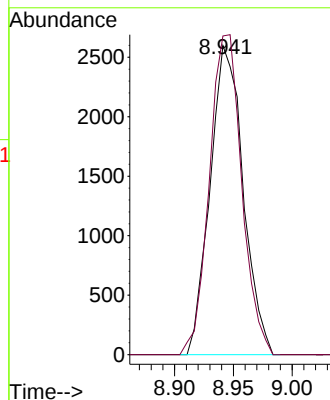
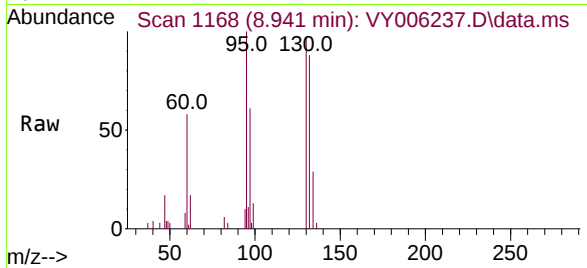




#44  
Trichloroethene  
Concen: 3.374 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

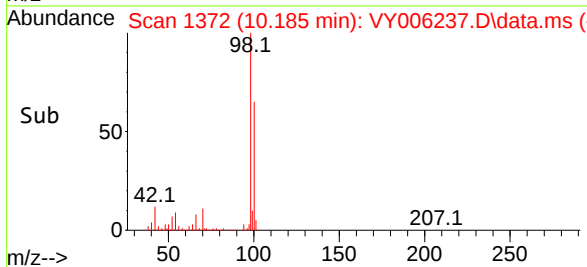
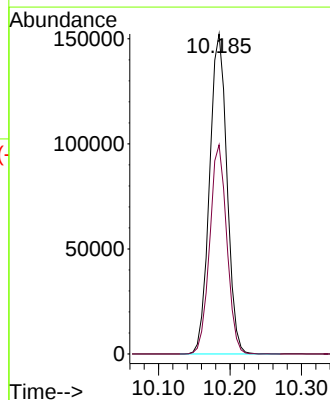
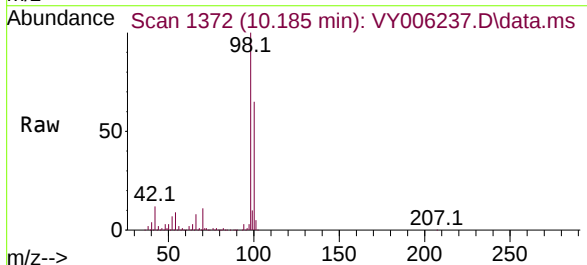
Instrument :  
MSVOA\_Y  
ClientSampled :

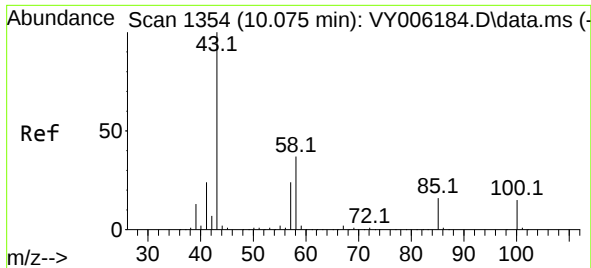
Tgt Ion:130 Resp: 5089  
Ion Ratio Lower Upper  
130 100  
95 103.1 0.0 188.2



#50  
Toluene-d8  
Concen: 55.682 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Tgt Ion: 98 Resp: 257572  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2

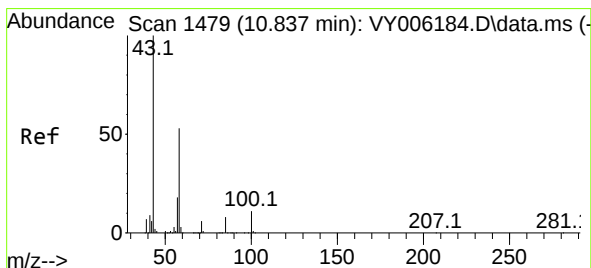
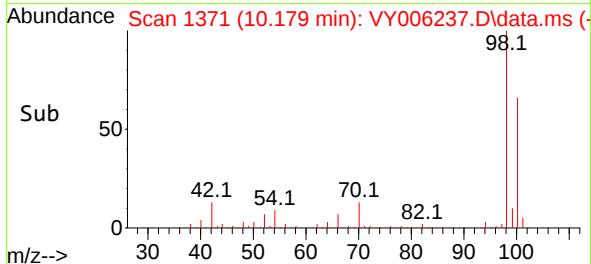
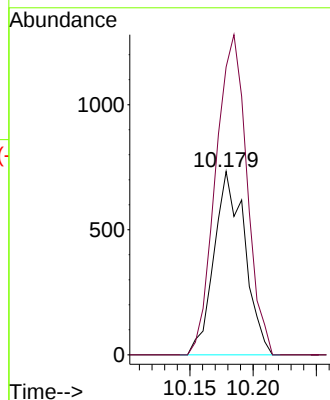
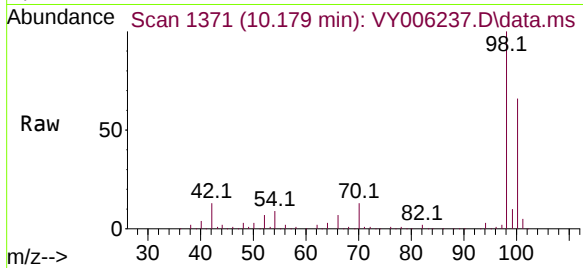




#51  
4-Methyl-2-Pentanone  
Concen: 1.038 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

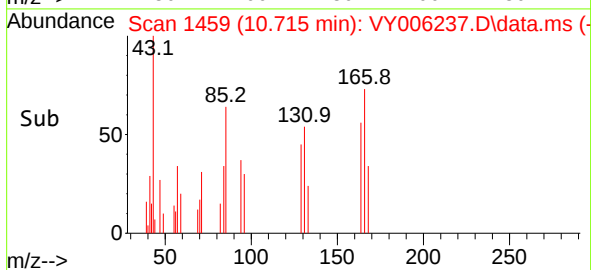
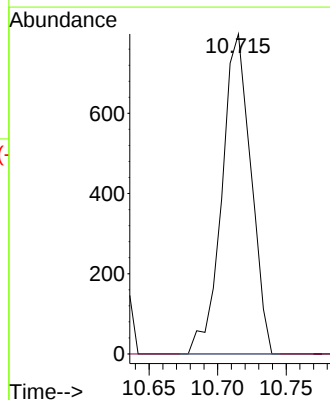
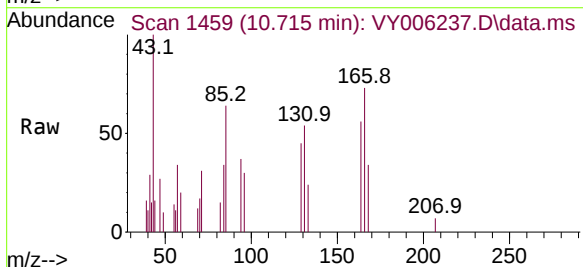
Instrument :  
MSVOA\_Y  
ClientSampled :

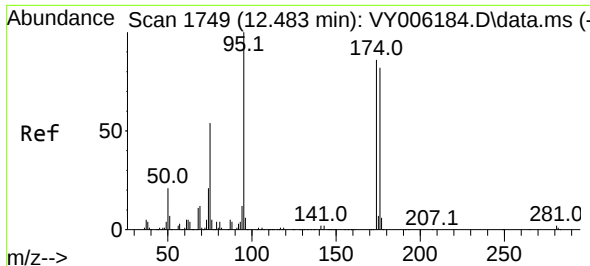
Tgt Ion: 43 Resp: 1240  
Ion Ratio Lower Upper  
43 100  
58 176.8 28.1 42.1#



#59  
2-Hexanone  
Concen: 1.385 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.122 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Tgt Ion: 43 Resp: 1178  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 73.4#

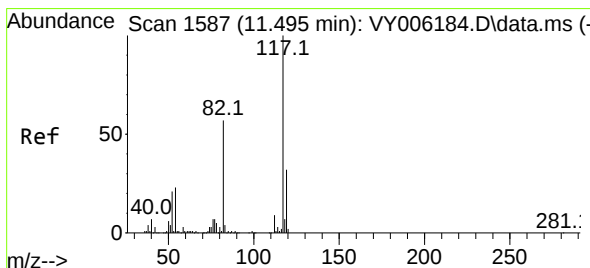
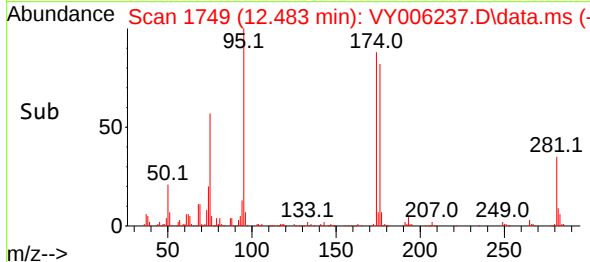
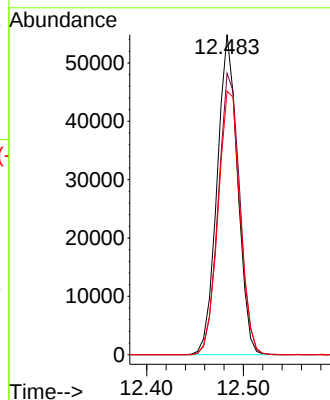
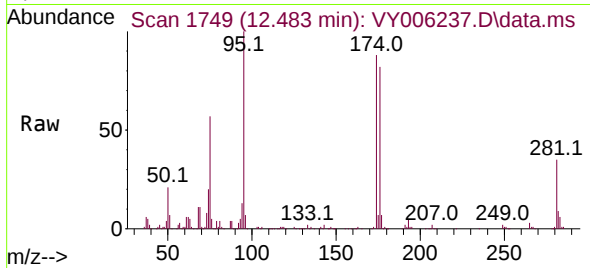




#62  
4-Bromofluorobenzene  
Concen: 51.357 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

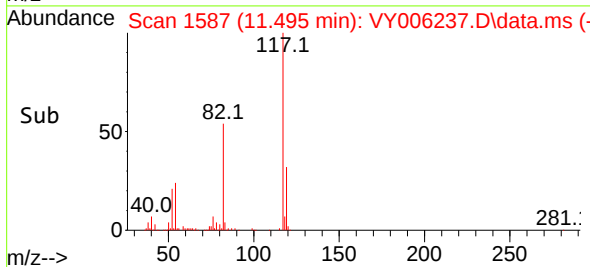
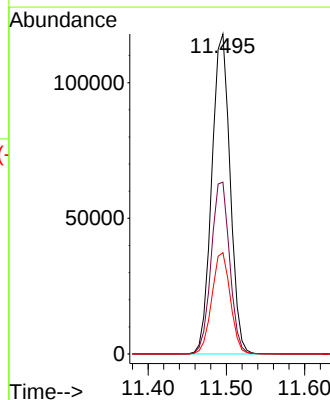
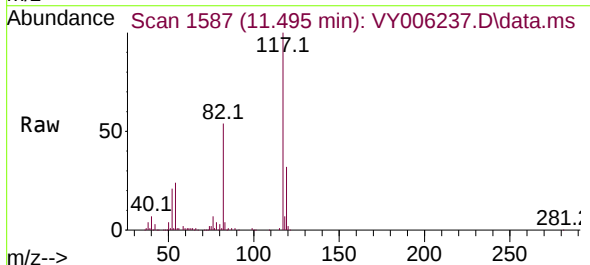
Instrument :  
MSVOA\_Y  
ClientSampleId :

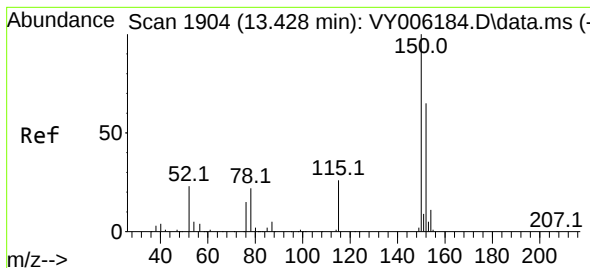
Tgt Ion: 95 Resp: 80704  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 177.0  
176 88.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Tgt Ion: 117 Resp: 191597  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.0 64.4  
119 31.7 25.4 38.0

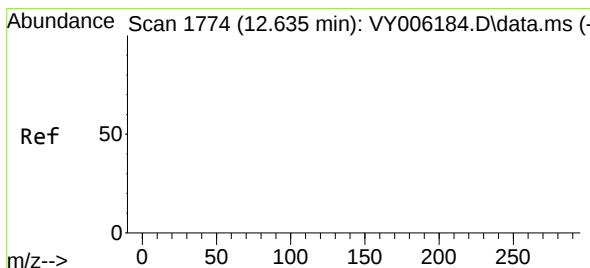
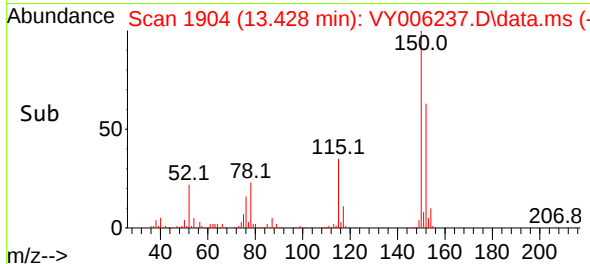
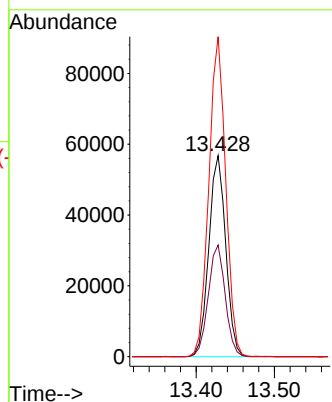
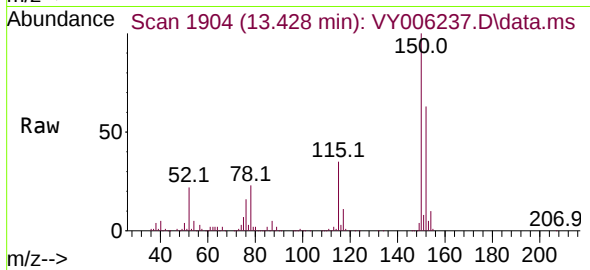




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006237.D  
 Acq: 30 Sep 2021 14:10

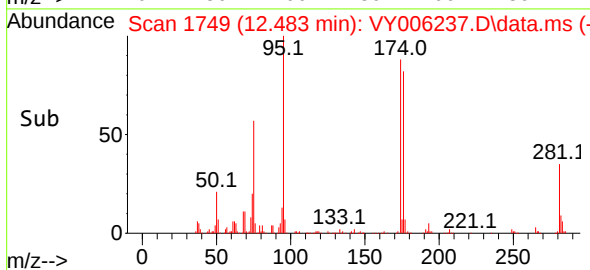
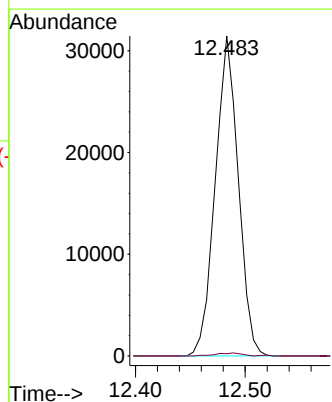
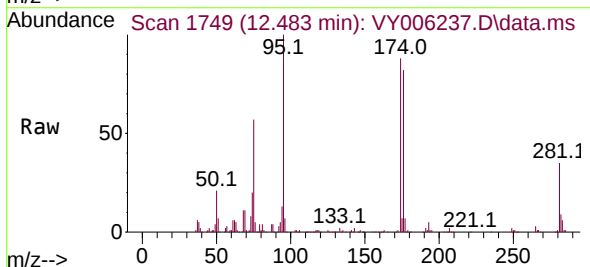
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

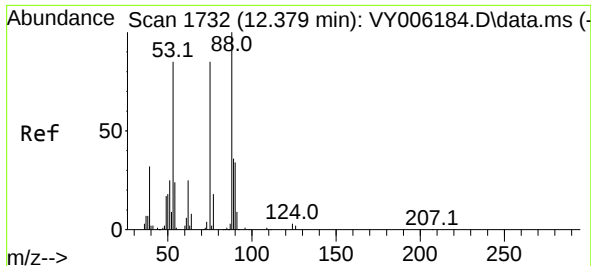
Tgt Ion:152 Resp: 85260  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 28.2 84.7  
 150 158.3 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 55.424 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY006237.D  
 Acq: 30 Sep 2021 14:10

Tgt Ion: 75 Resp: 45929  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#

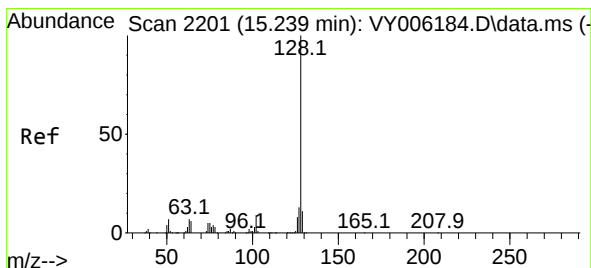
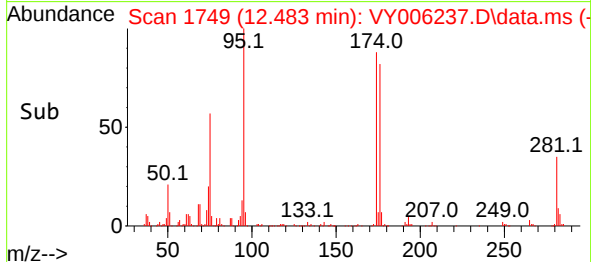
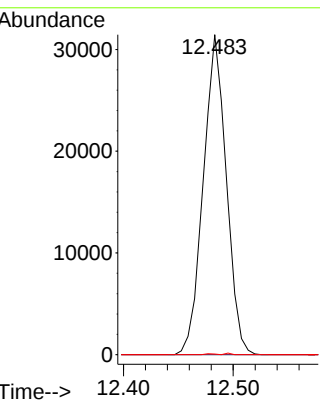
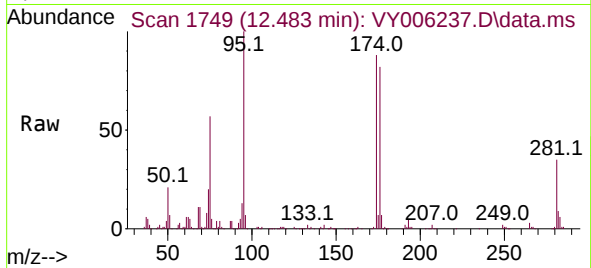




#81  
trans-1,4-Dichloro-2-butene  
Concen: 108.916 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 45929  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 14.204 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY006237.D  
Acq: 30 Sep 2021 14:10

Tgt Ion: 128 Resp: 46263  
Ion Ratio Lower Upper  
128 100  
127 13.1 11.0 16.4  
129 10.8 8.4 12.6

