

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061121\  
 Data File : VY005137.D  
 Acq On : 11 Jun 2021 20:09  
 Operator : SY/MD  
 Sample : M2678-09  
 Misc : 12.31G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-02

Quant Time: Jun 12 00:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

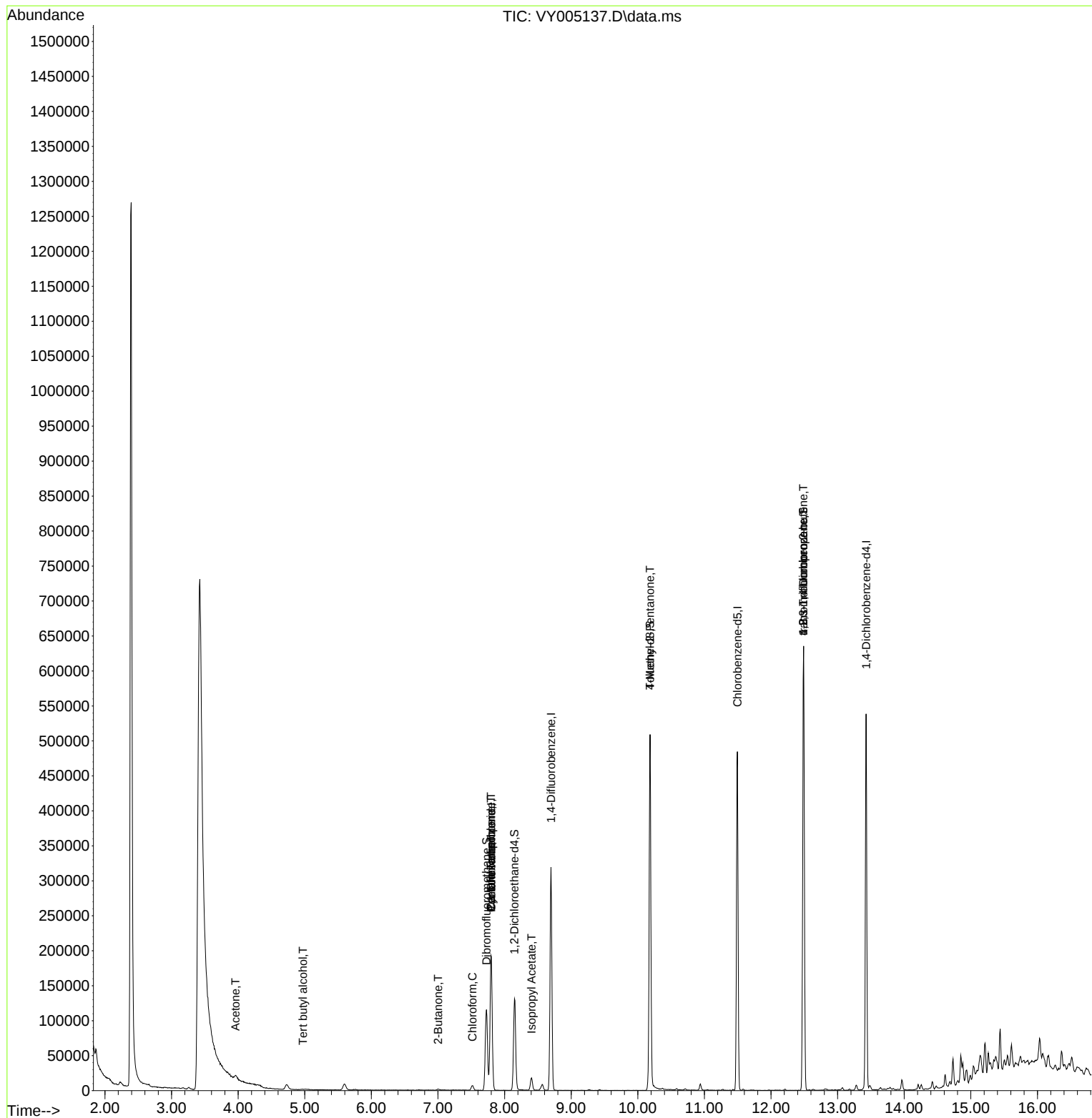
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 150057   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 265531   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 264520   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 131717   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 104457   | 65.85    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 131.70%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 82085    | 57.46    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 114.92%  |
| 50) Toluene-d8                | 10.185 | 98    | 327102   | 55.13    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 110.26%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 118418   | 58.03    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 116.06%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 734      | 4.02     | ug/l # | 74       |
| 13) Acrolein                  | 3.741  | 56    | 182      | Below    | Cal #  | 62       |
| 16) Acetone                   | 3.960  | 43    | 8839     | 23.15    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.728  | 84    | 5194     | Below    | Cal    | 84       |
| 25) 2-Butanone                | 7.002  | 43    | 2774     | 4.32     | ug/l # | 87       |
| 30) Chloroform                | 7.515  | 83    | 6836     | 2.32     | ug/l   | 95       |
| 31) Cyclohexane               | 7.801  | 56    | 3103     | 1.11     | ug/l # | 5        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 11417    | 4.39     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 15143    | 6.70     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.405  | 43    | 5343     | 1.74     | ug/l # | 54       |
| 51) 4-Methyl-2-Pentanone      | 10.185 | 43    | 7039     | 4.38     | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 65647    | 45.47    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 65647    | 83.56    | ug/l # | 16       |
| -----                         |        |       |          |          |        |          |

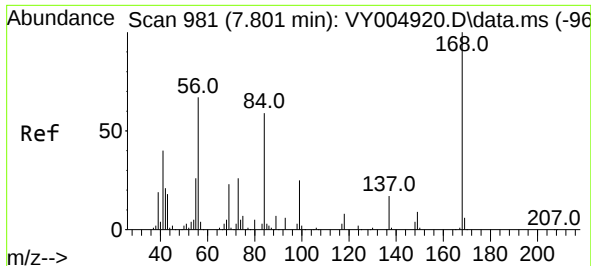
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061121\  
Data File : VY005137.D  
Acq On : 11 Jun 2021 20:09  
Operator : SY/MD  
Sample : M2678-09  
Misc : 12.31G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02

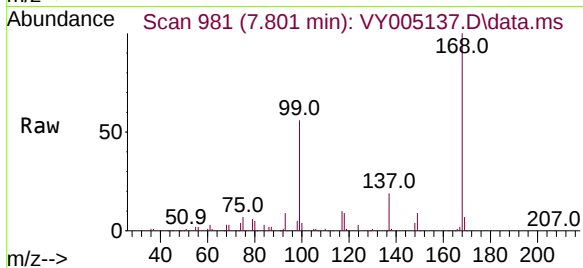
Quant Time: Jun 12 00:38:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration



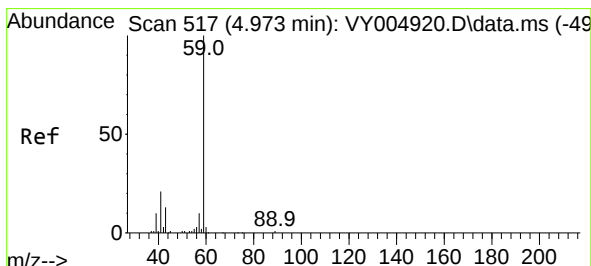
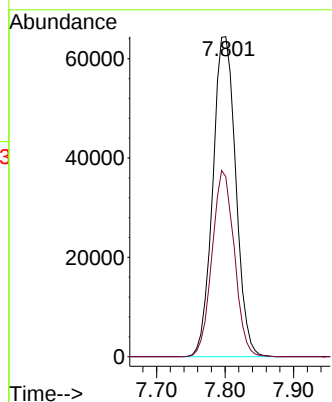
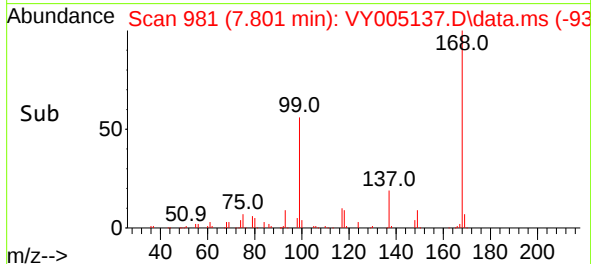


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02

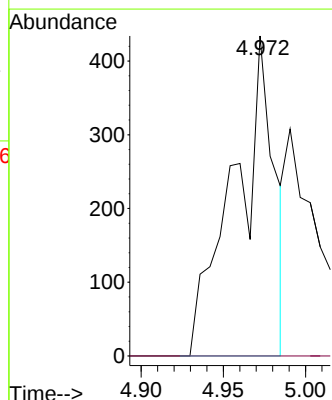
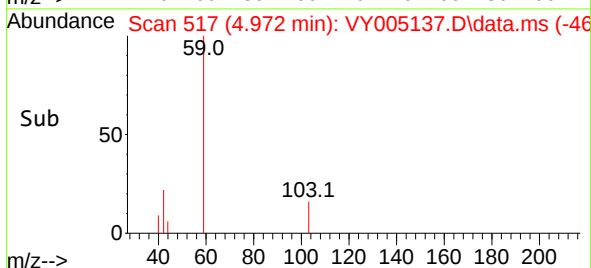
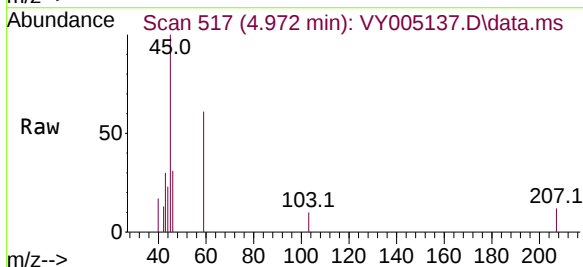


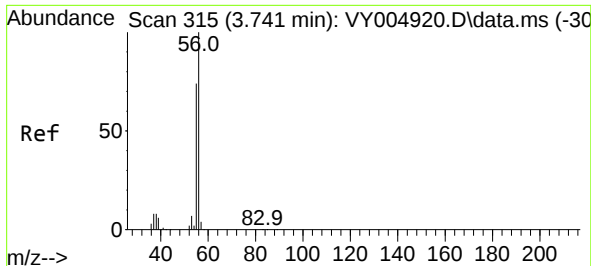
Tgt Ion:168 Resp: 150057  
Ion Ratio Lower Upper  
168 100  
99 56.2 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 4.02 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Tgt Ion: 59 Resp: 734  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

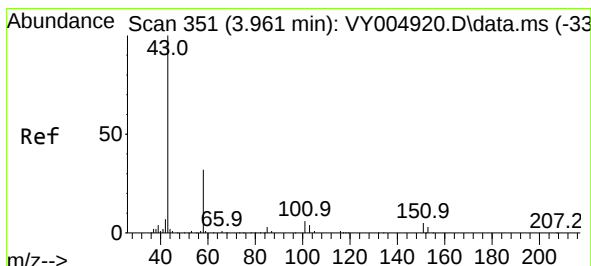
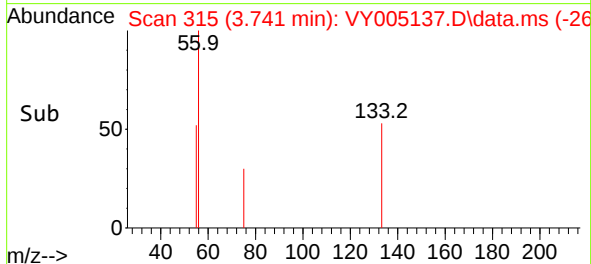
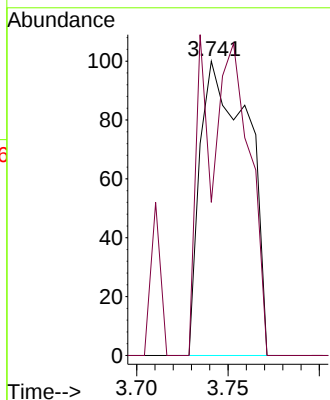
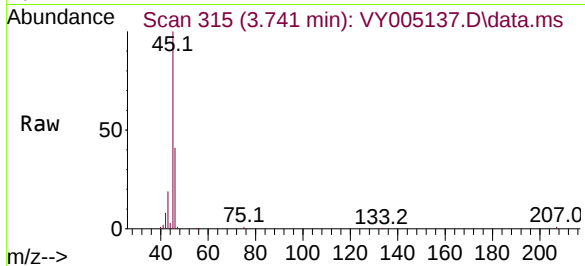




#13  
Acrolein  
Concen: Below Cal  
RT: 3.741 min Scan# 315  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

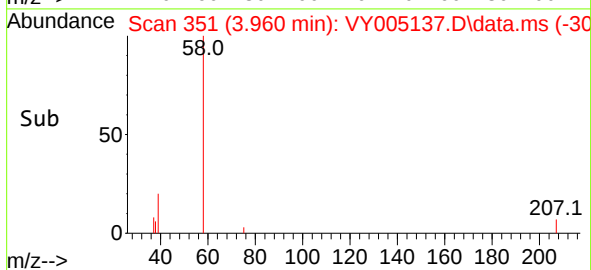
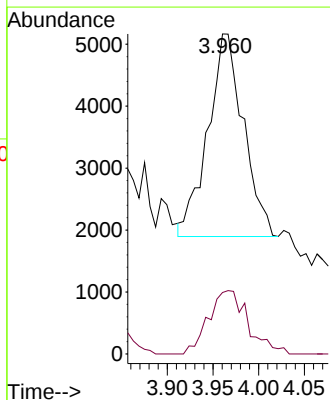
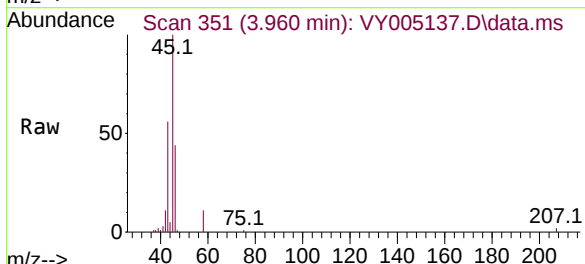
Instrument :  
MSVOA\_Y  
ClientSampled :  
DUP-02

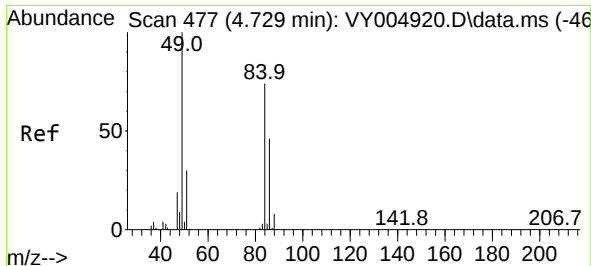
Tgt Ion: 56 Resp: 182  
Ion Ratio Lower Upper  
56 100  
55 100.5 55.4 83.2#



#16  
Acetone  
Concen: 23.15 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Tgt Ion: 43 Resp: 8839  
Ion Ratio Lower Upper  
43 100  
58 30.3 25.3 37.9

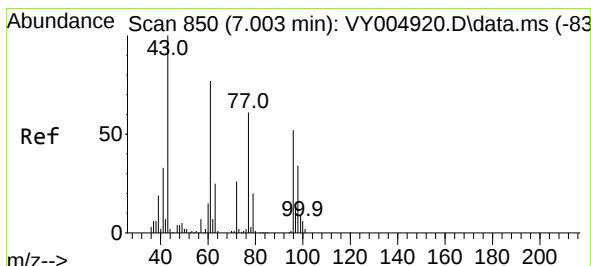
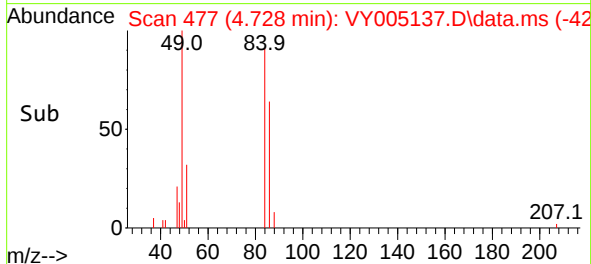
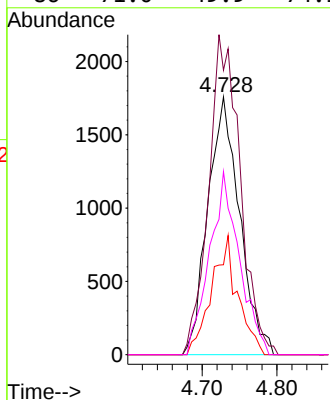
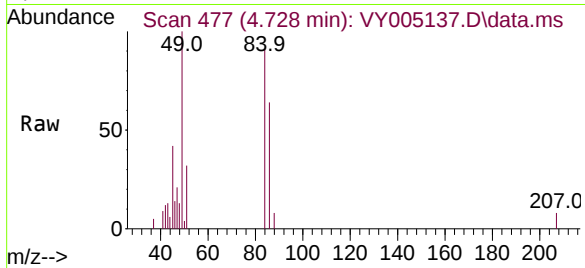




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

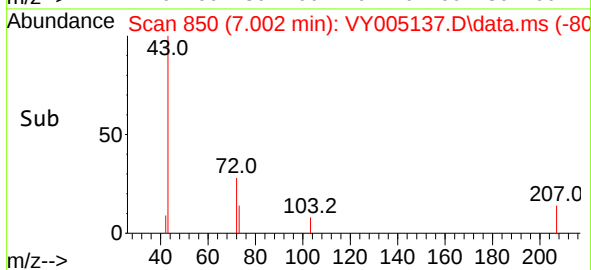
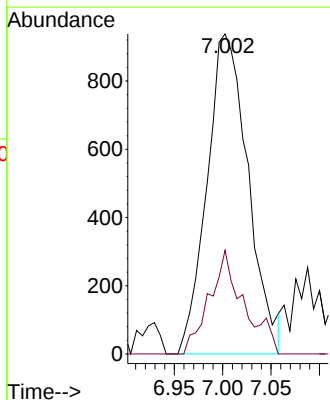
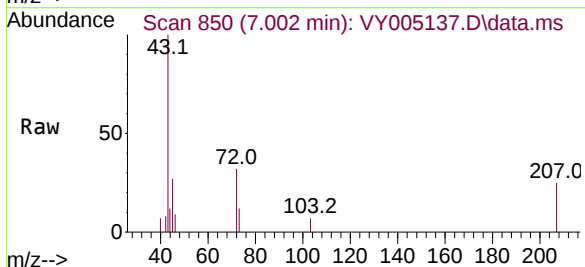
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02

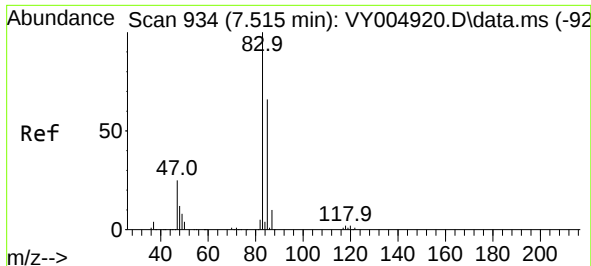
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5194  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.3 | 108.0 | 162.0 |
| 51       | 34.9  | 32.6  | 48.8  |
| 86       | 71.0  | 49.9  | 74.9  |



#25  
2-Butanone  
Concen: 4.32 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2774  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 32.4  | 20.6  | 31.0# |

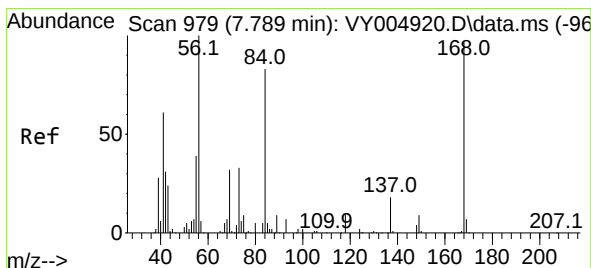
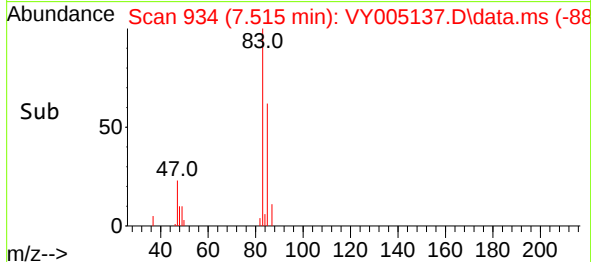
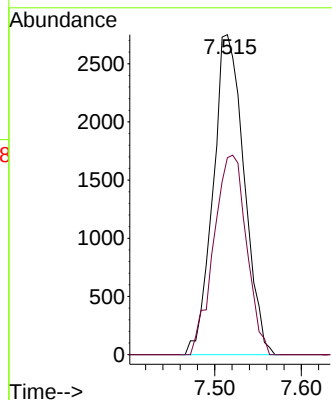
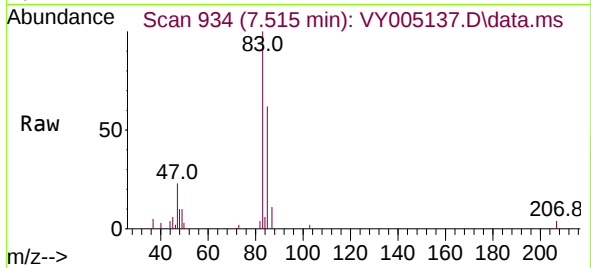




#30  
Chloroform  
Concen: 2.32 ug/l  
RT: 7.515 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

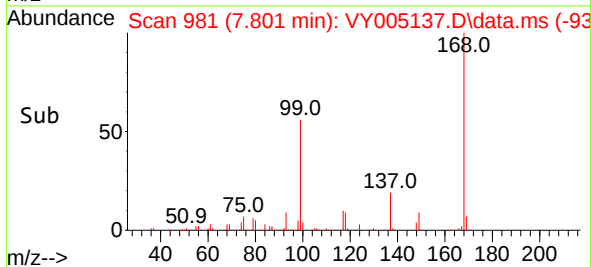
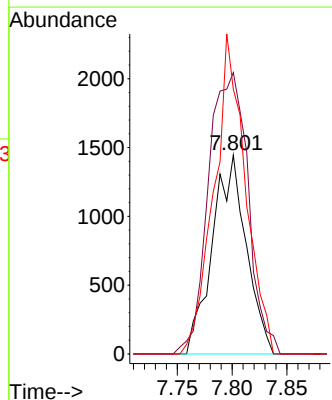
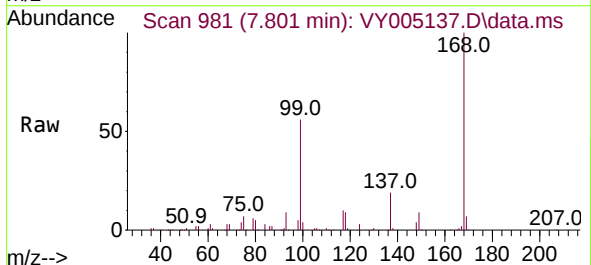
Instrument :  
MSVOA\_Y  
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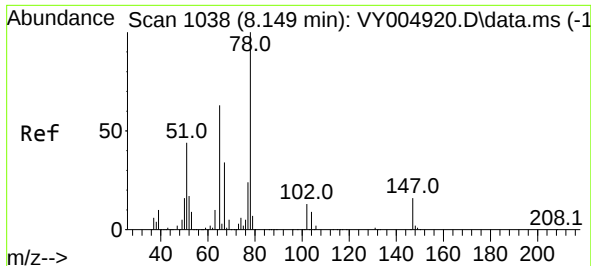
Tgt Ion: 83 Resp: 6836  
Ion Ratio Lower Upper  
83 100  
85 61.5 52.6 78.8



#31  
Cyclohexane  
Concen: 1.11 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Tgt Ion: 56 Resp: 3103  
Ion Ratio Lower Upper  
56 100  
69 141.6 25.3 37.9#  
84 133.1 66.2 99.4#

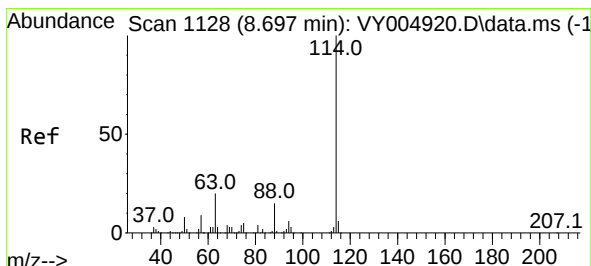
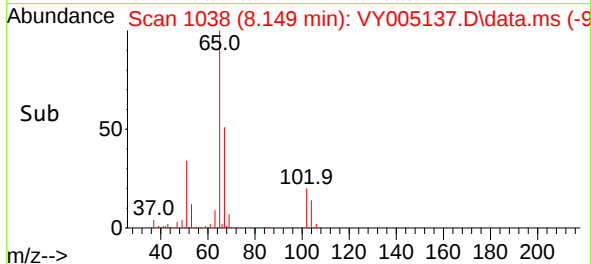
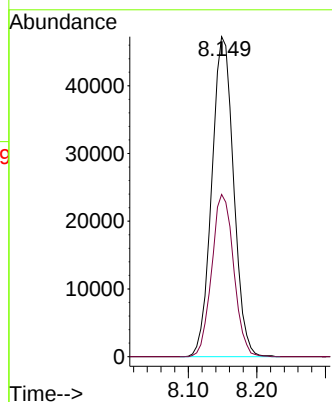
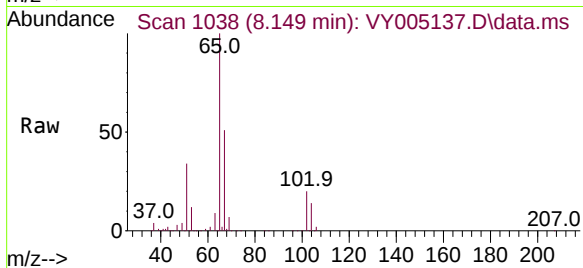




#33  
 1,2-Dichloroethane-d4  
 Concen: 65.85 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. -0.000 min  
 Lab File: VY005137.D  
 Acq: 11 Jun 2021 20:09

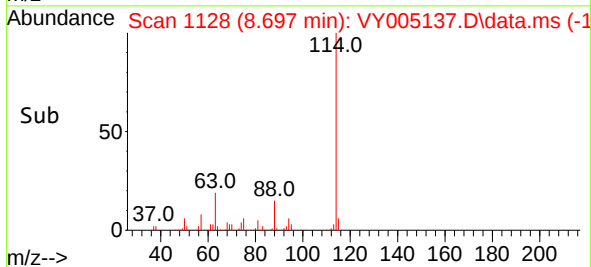
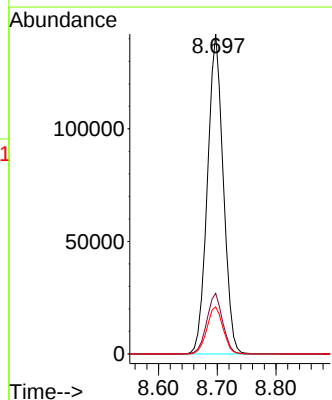
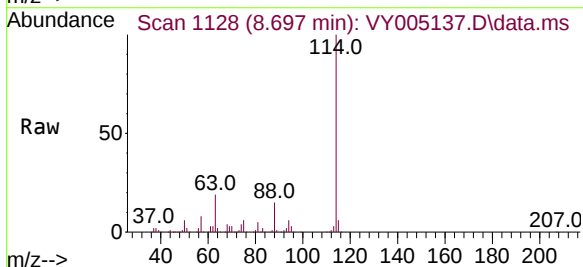
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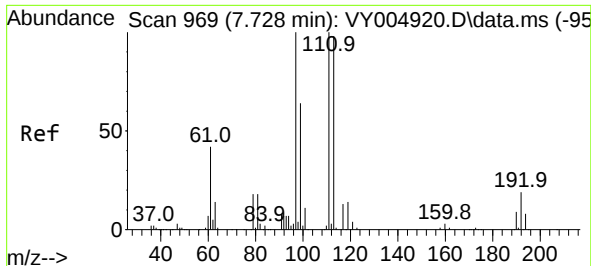
Tgt Ion: 65 Resp: 104457  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. -0.000 min  
 Lab File: VY005137.D  
 Acq: 11 Jun 2021 20:09

Tgt Ion: 114 Resp: 265531  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 41.0  
 88 14.7 0.0 30.6

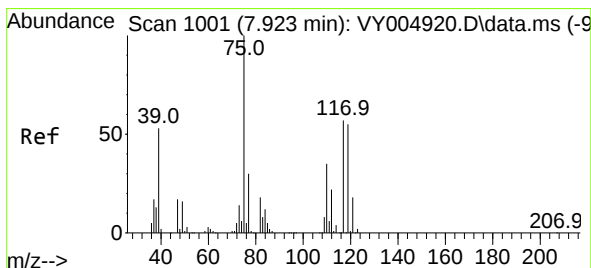
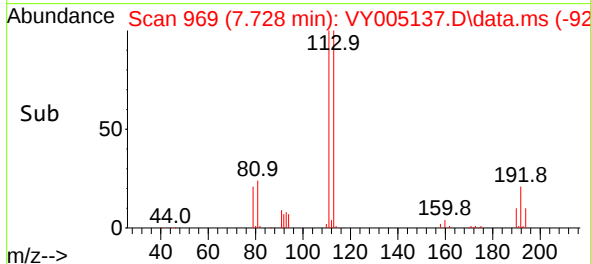
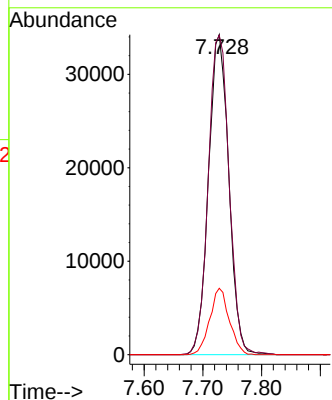
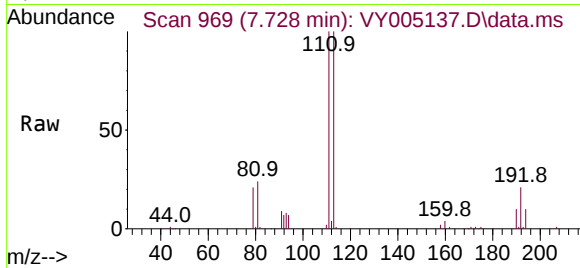




#35  
Dibromofluoromethane  
Concen: 57.46 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

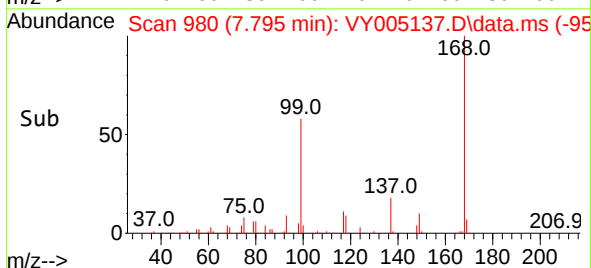
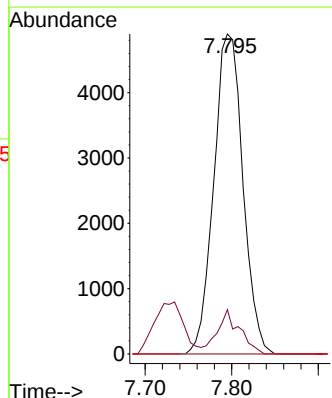
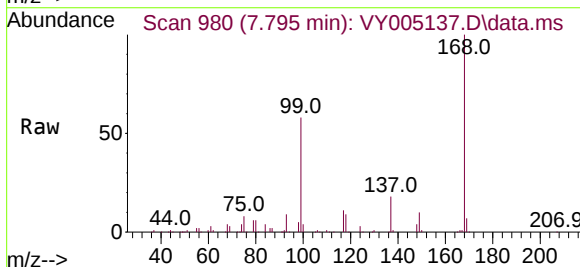
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MSVOA\_Y  
ClientSampleId :  
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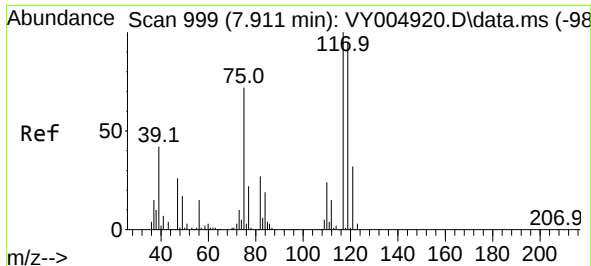
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 82085 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 81.8  | 122.8 |
| 192      | 20.0  | 15.3  | 22.9  |



#36  
1,1-Dichloropropene  
Concen: 4.39 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

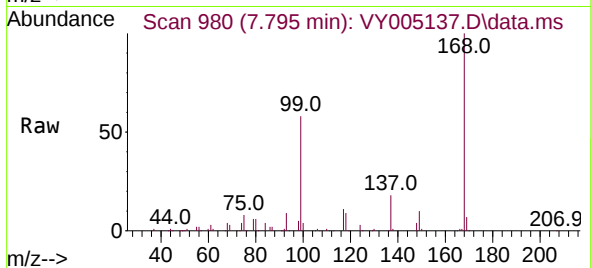
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11417 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.6  | 17.5  | 52.5# |
| 77       | 0.0   | 25.1  | 37.7# |



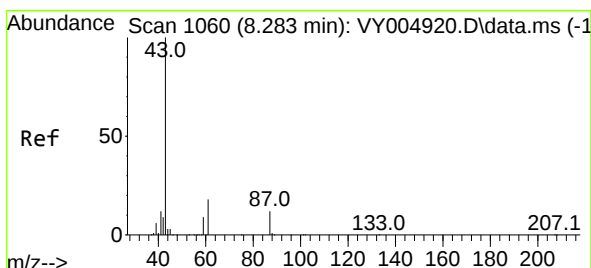
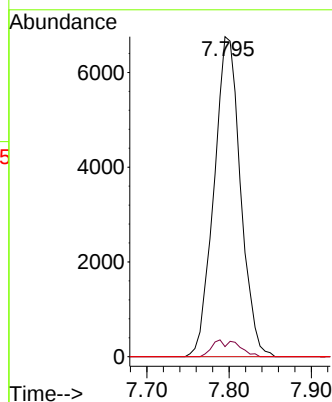
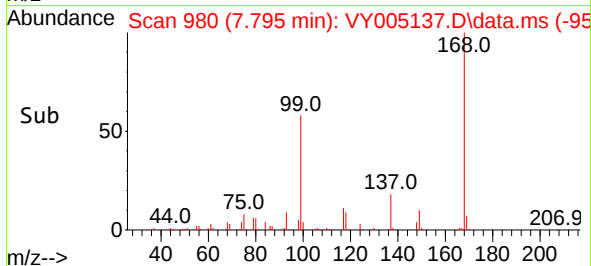


#38  
Carbon Tetrachloride  
Concen: 6.70 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

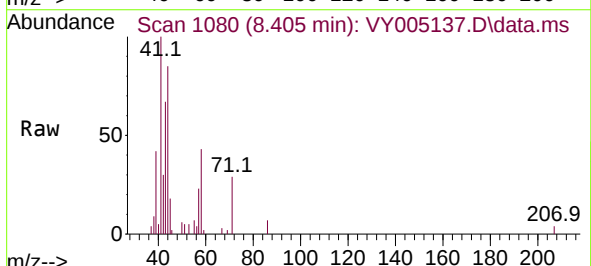
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02



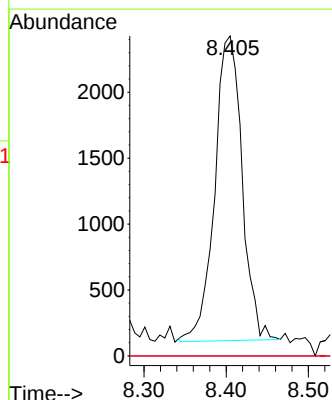
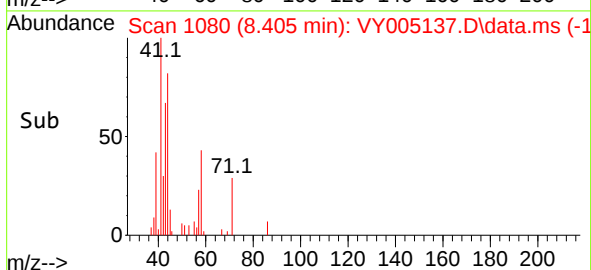
Tgt Ion:117 Resp: 15143  
Ion Ratio Lower Upper  
117 100  
119 3.1 76.1 114.1#  
121 0.0 25.5 38.3#

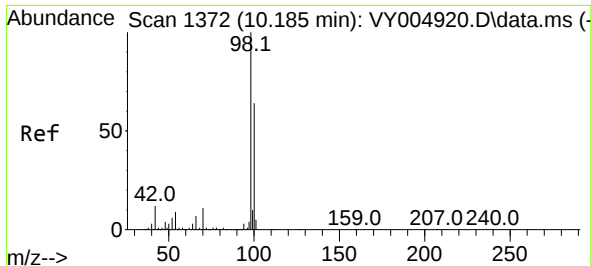


#43  
Isopropyl Acetate  
Concen: 1.74 ug/l  
RT: 8.405 min Scan# 1080  
Delta R.T. 0.122 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09



Tgt Ion: 43 Resp: 5343  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.7 32.5#  
87 0.0 9.6 14.4#

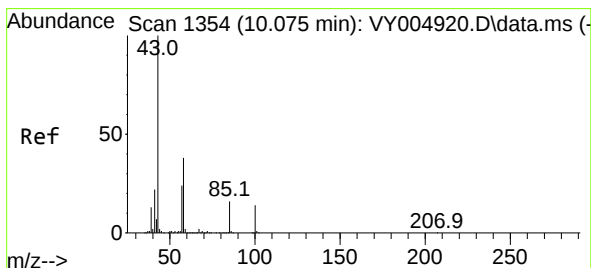
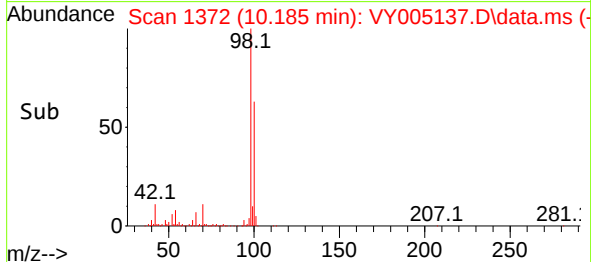
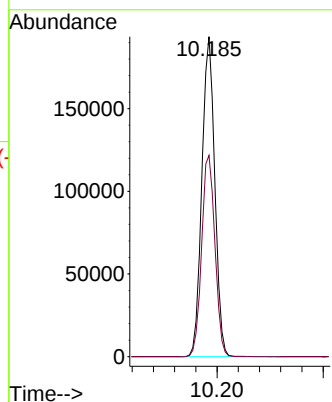
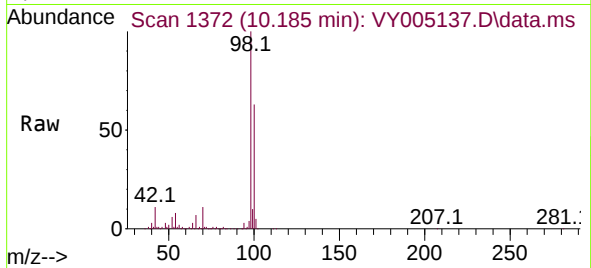




#50  
Toluene-d8  
Concen: 55.13 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

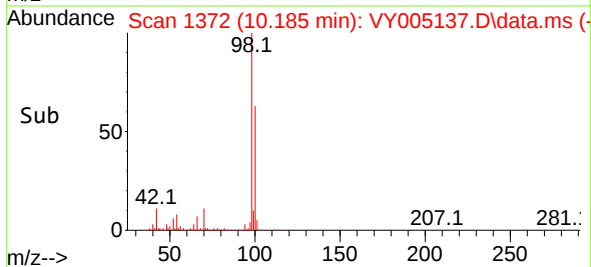
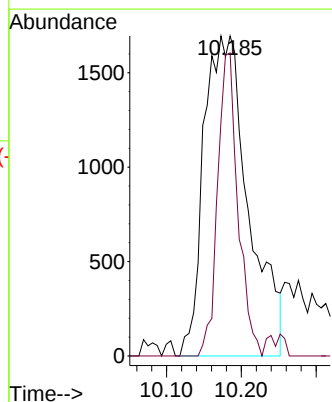
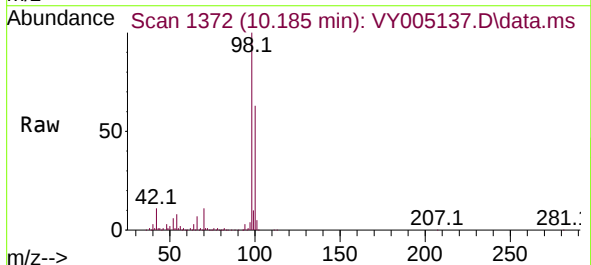
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02

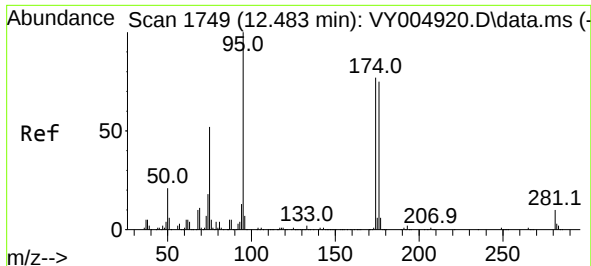
Tgt Ion: 98 Resp: 327102  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 4.38 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.110 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Tgt Ion: 43 Resp: 7039  
Ion Ratio Lower Upper  
43 100  
58 43.2 30.6 46.0

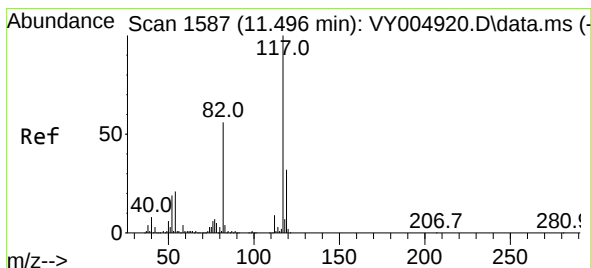
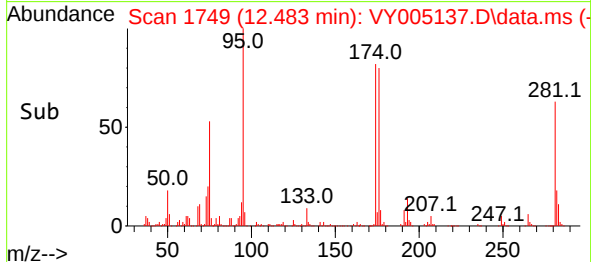
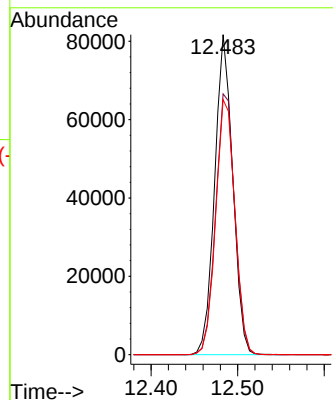
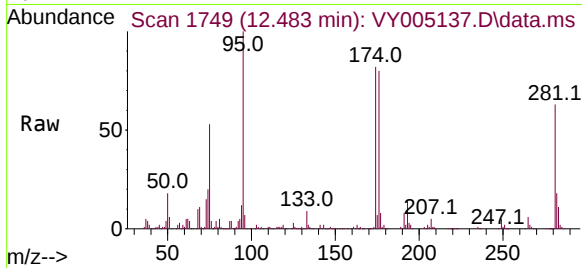




#62  
4-Bromofluorobenzene  
Concen: 58.03 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

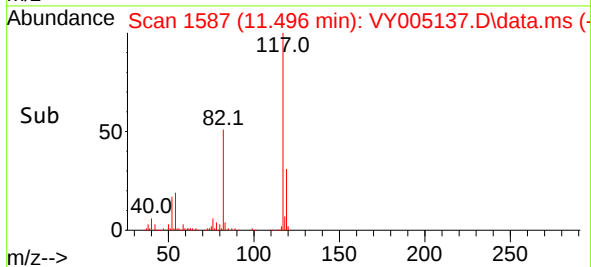
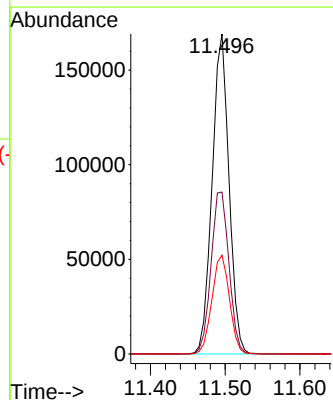
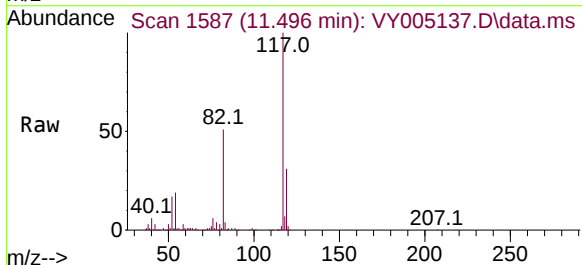
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-02

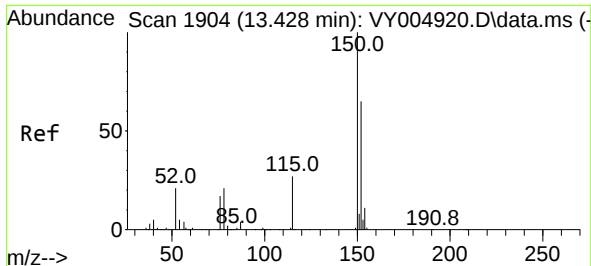
Tgt Ion: 95 Resp: 118418  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 160.8  
176 84.7 0.0 155.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005137.D  
Acq: 11 Jun 2021 20:09

Tgt Ion: 117 Resp: 264520  
Ion Ratio Lower Upper  
117 100  
82 50.6 44.8 67.2  
119 30.9 25.2 37.8

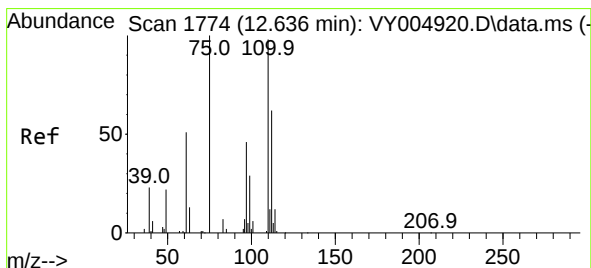
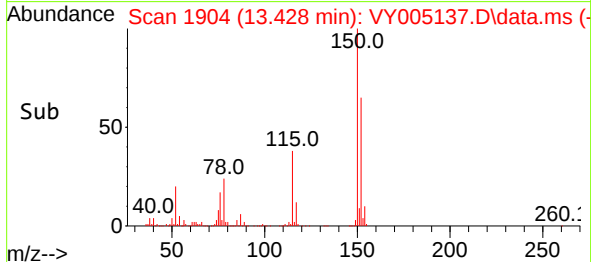
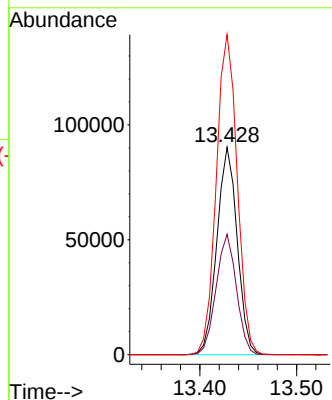
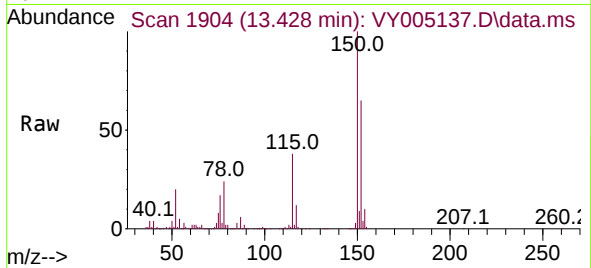




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005137.D  
 Acq: 11 Jun 2021 20:09

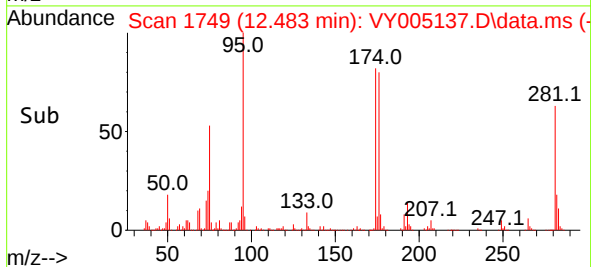
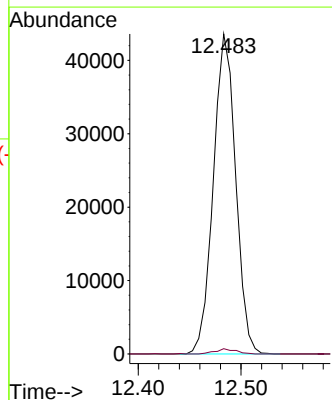
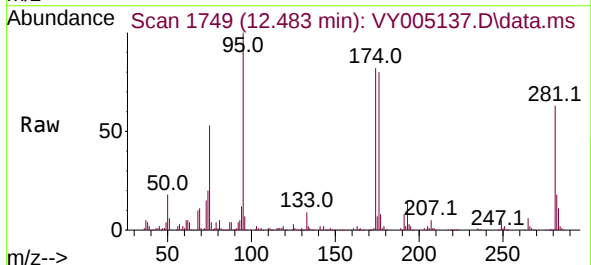
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-02

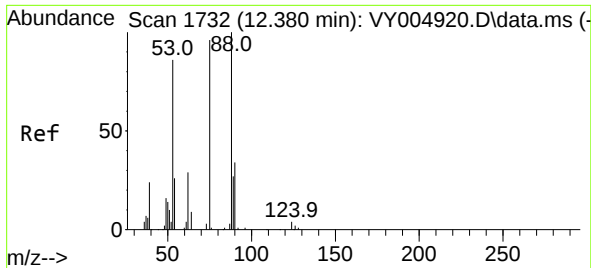
Tgt Ion:152 Resp: 131717  
 Ion Ratio Lower Upper  
 152 100  
 115 58.2 29.9 89.7  
 150 158.5 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 45.47 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005137.D  
 Acq: 11 Jun 2021 20:09

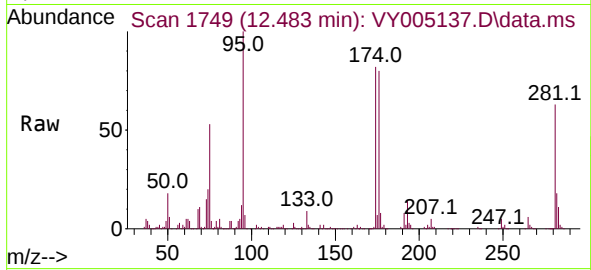
Tgt Ion: 75 Resp: 65647  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.56 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.103 min  
 Lab File: VY005137.D  
 Acq: 11 Jun 2021 20:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-02



Tgt Ion: 75 Resp: 65647  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.3 103.9#  
 89 1.5 35.0 52.6#

