

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
 Data File : VY005325.D  
 Acq On : 01 Jul 2021 19:31  
 Operator : SY/MD  
 Sample : M2913-11  
 Misc : 6.22G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 D-4050

Quant Time: Jul 02 05:19:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

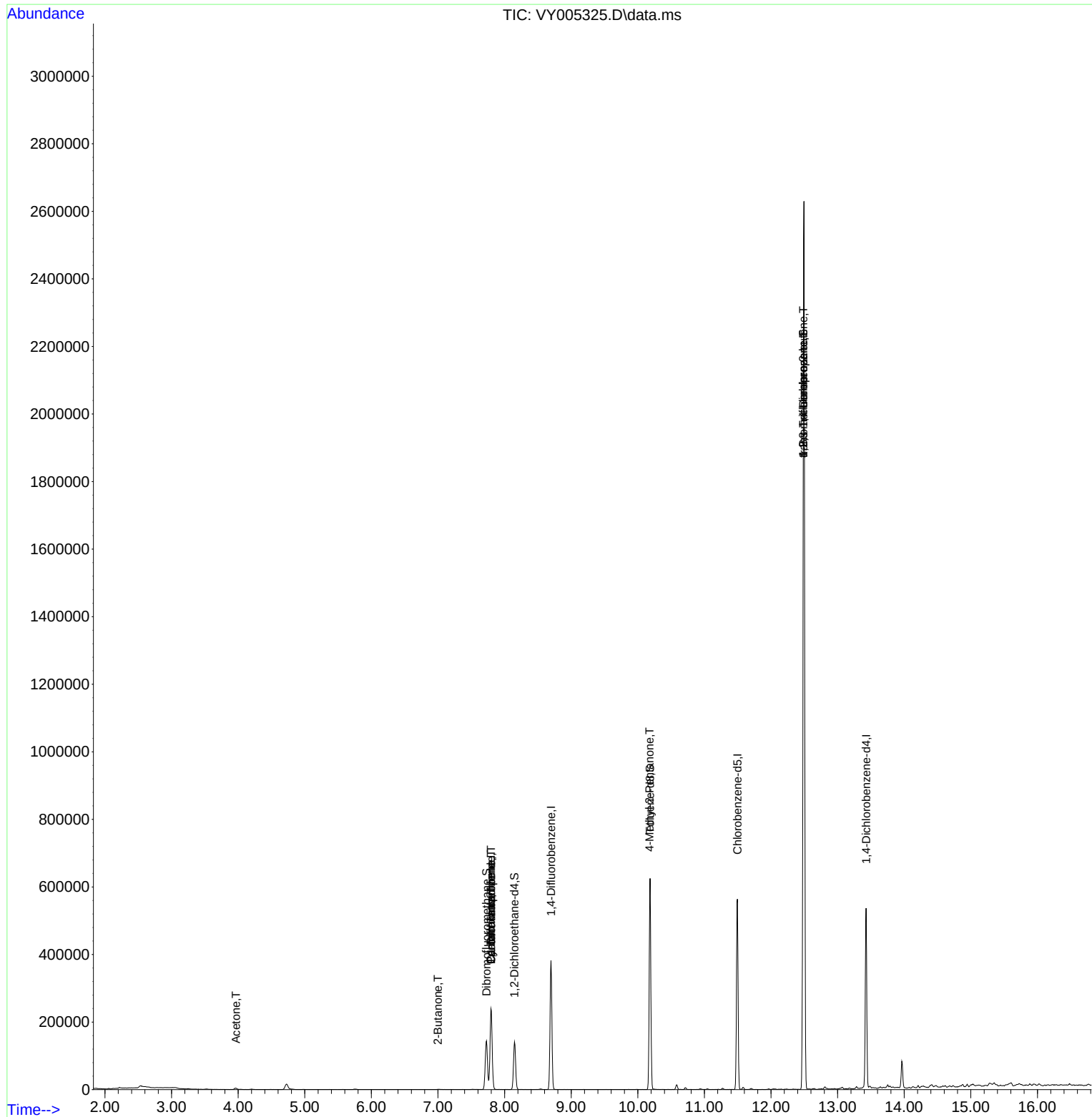
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 203352   | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 328324   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 319648   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 145116   | 50.000    | ug/l  | 0.00     |
|                               |        |       |          |           |       |          |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 110063   | 65.221    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =     | 130.440% |
| 35) Dibromofluoromethane      | 7.728  | 113   | 101830   | 52.590    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =     | 105.180% |
| 50) Toluene-d8                | 10.185 | 98    | 403052   | 52.051    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =     | 104.100% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 142204   | 55.111    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =     | 110.220% |
|                               |        |       |          |           |       |          |
| Target Compounds              |        |       |          |           |       |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 632      | Below Cal | #     | 77       |
| 16) Acetone                   | 3.967  | 43    | 7146     | 18.331    | ug/l  | 99       |
| 20) Methylene Chloride        | 4.722  | 84    | 12501    | Below Cal |       | 96       |
| 25) 2-Butanone                | 6.996  | 43    | 1031     | 1.814     | ug/l  | # 74     |
| 31) Cyclohexane               | 7.795  | 56    | 3703     | 1.229     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 13285    | 4.595     | ug/l  | # 48     |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 17487    | 5.778     | ug/l  | # 15     |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 1638     | 1.142     | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 81084    | 63.001    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 81084    | 117.546   | ug/l  | # 20     |
| -----                         |        |       |          |           |       |          |

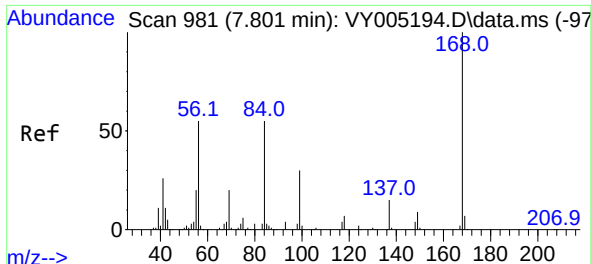
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
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Sample : M2913-11  
Misc : 6.22G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

Quant Time: Jul 02 05:19:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 07:57:52 2021  
Response via : Initial Calibration

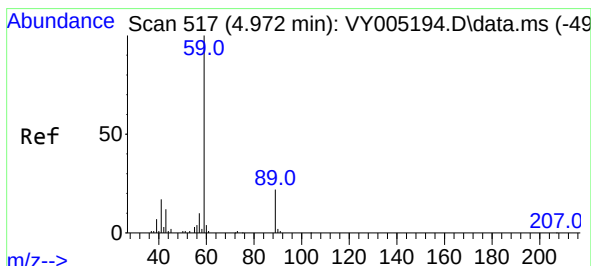
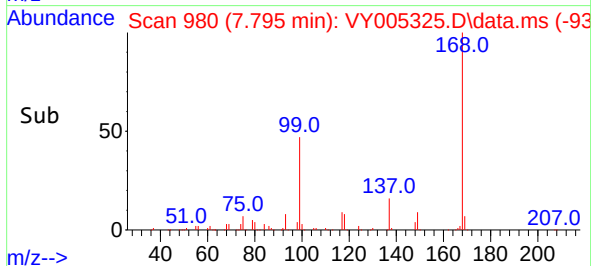
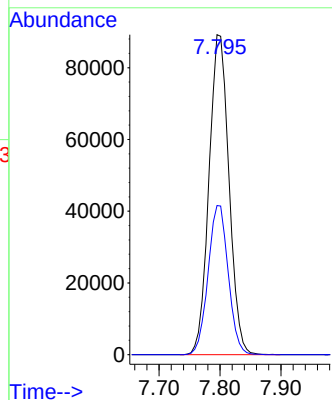
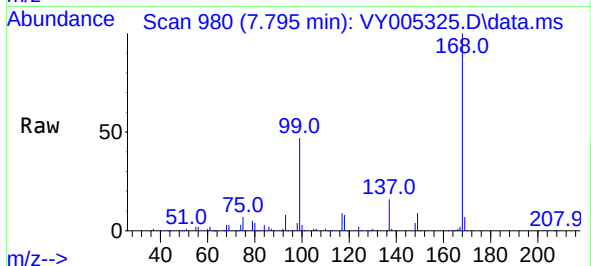




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

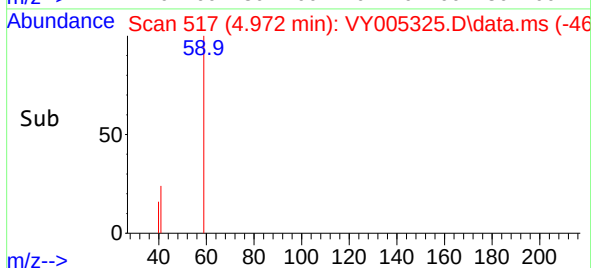
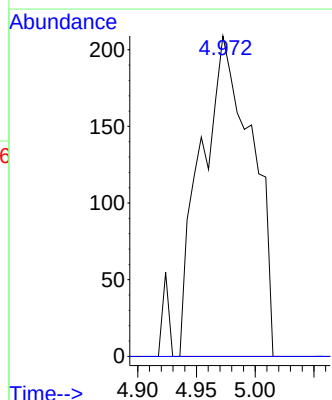
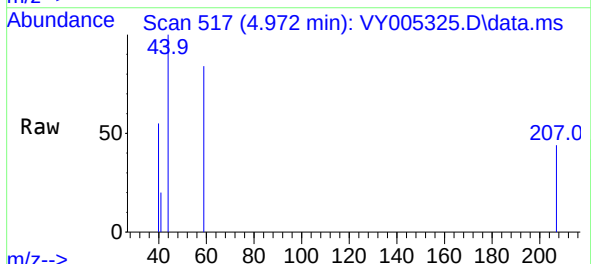
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

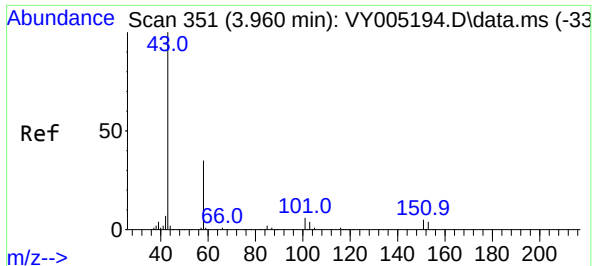
Tgt Ion:168 Resp: 203352  
Ion Ratio Lower Upper  
168 100  
99 46.6 36.2 54.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.972 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 59 Resp: 632  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#

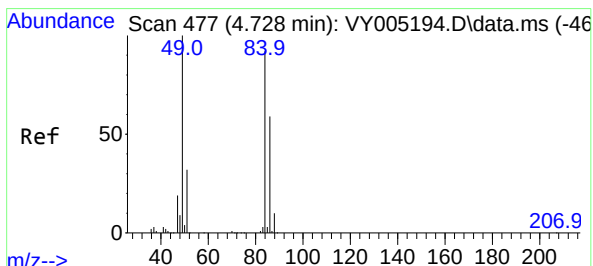
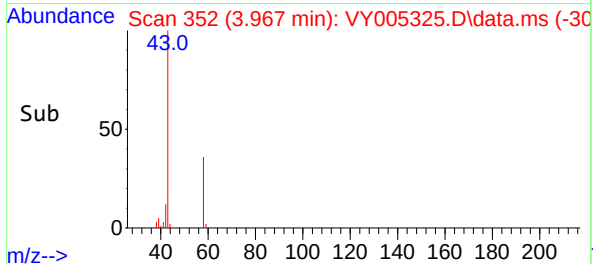
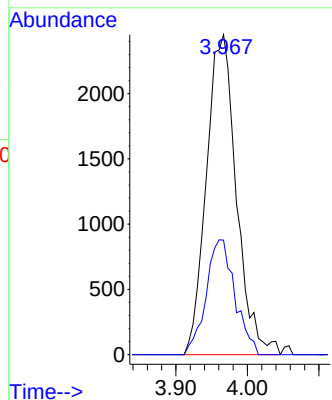
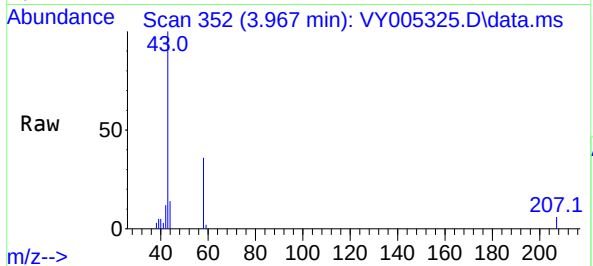




#16  
Acetone  
Concen: 18.331 ug/l  
RT: 3.967 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

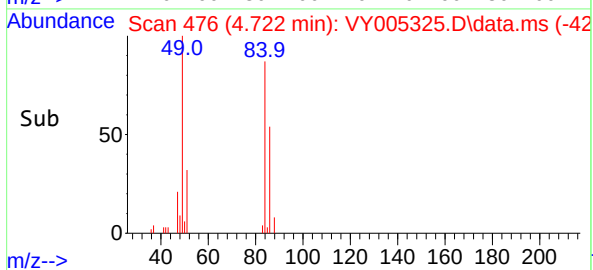
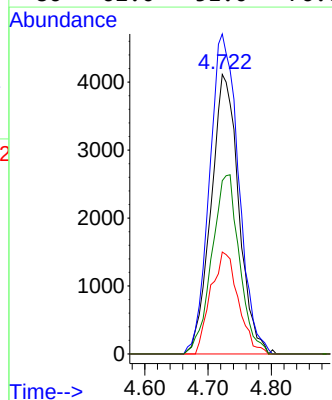
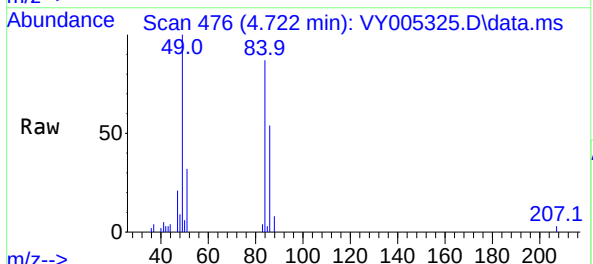
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

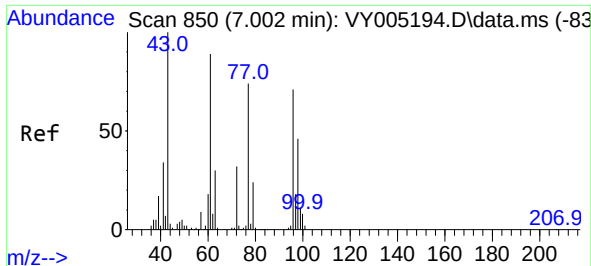
Tgt Ion: 43 Resp: 7146  
Ion Ratio Lower Upper  
43 100  
58 35.8 28.2 42.2



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 84 Resp: 12501  
Ion Ratio Lower Upper  
84 100  
49 114.5 86.9 130.3  
51 36.5 27.4 41.2  
86 62.0 51.0 76.6

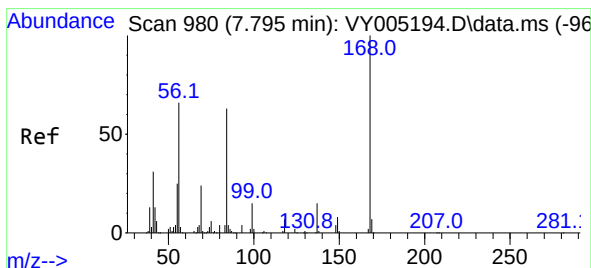
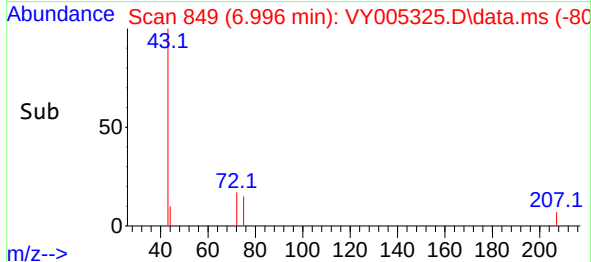
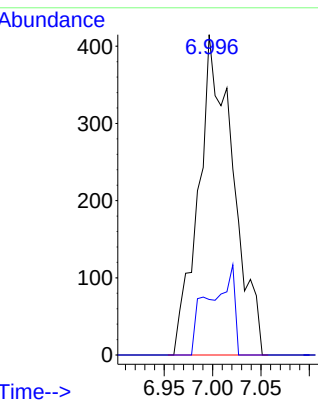
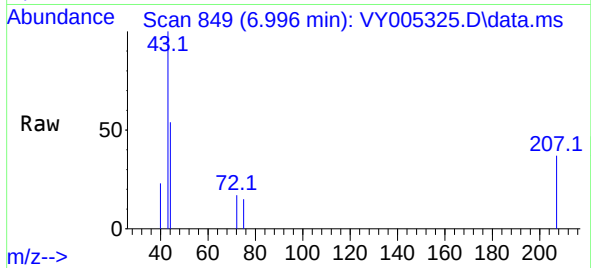




#25  
2-Butanone  
Concen: 1.814 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

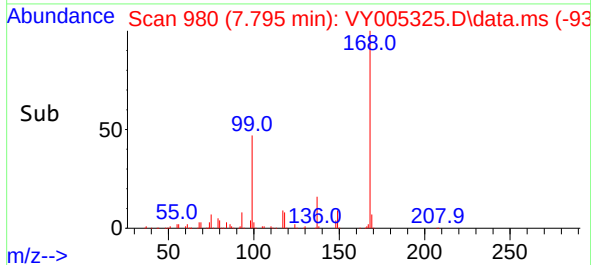
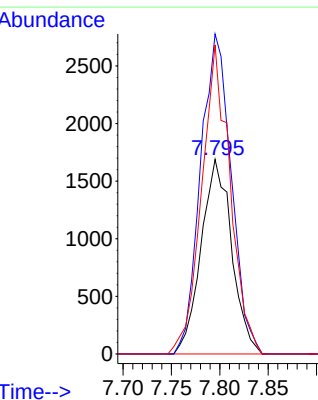
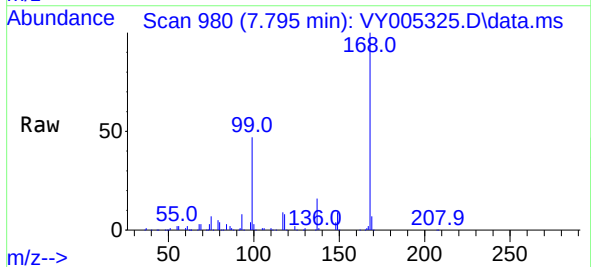
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

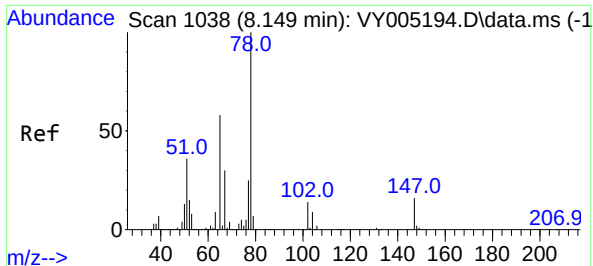
Tgt Ion: 43 Resp: 1031  
Ion Ratio Lower Upper  
43 100  
72 17.3 25.3 37.9#



#31  
Cyclohexane  
Concen: 1.229 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 56 Resp: 3703  
Ion Ratio Lower Upper  
56 100  
69 164.5 29.6 44.4#  
84 158.9 76.4 114.6#

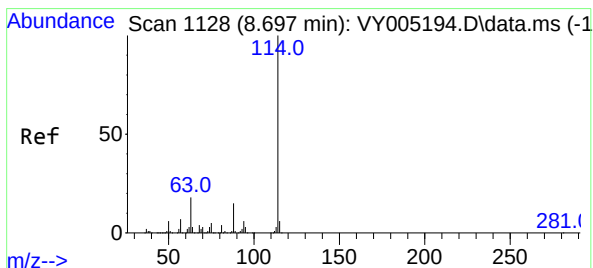
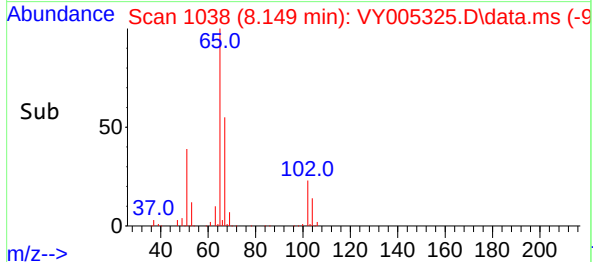
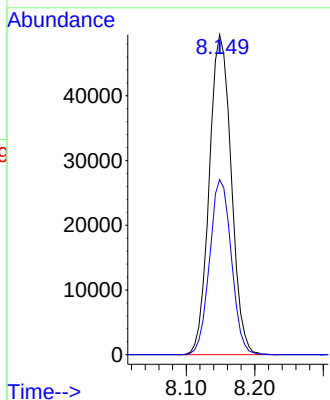
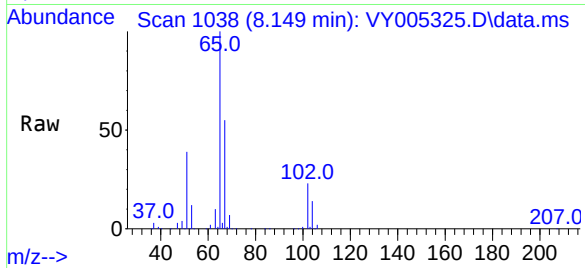




#33  
1,2-Dichloroethane-d4  
Concen: 65.221 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

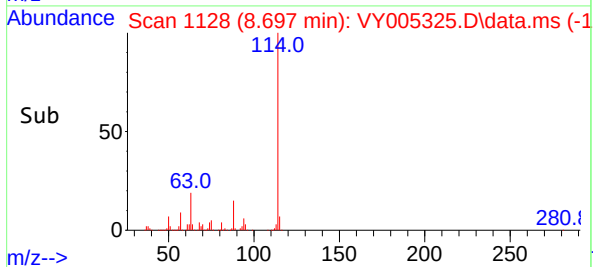
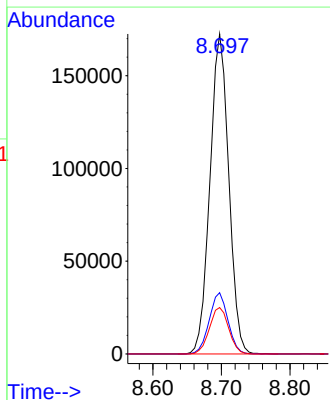
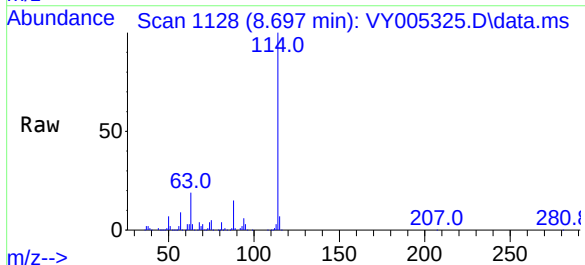
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

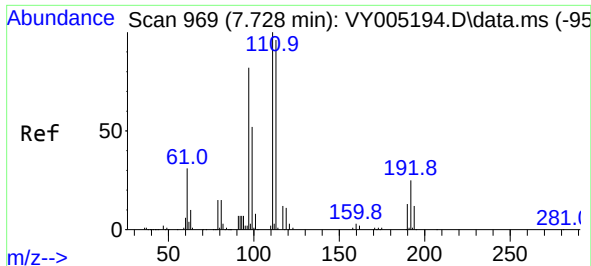
Tgt Ion: 65 Resp: 110063  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 110.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion:114 Resp: 328324  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 35.2  
88 14.5 0.0 29.4

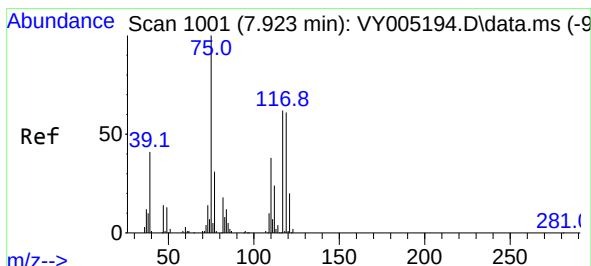
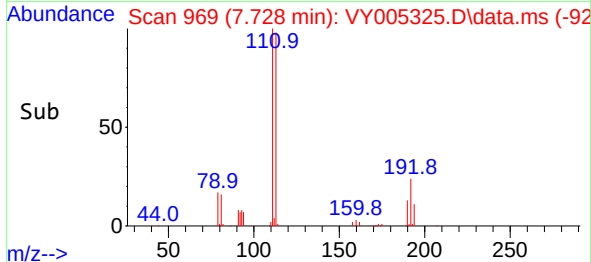
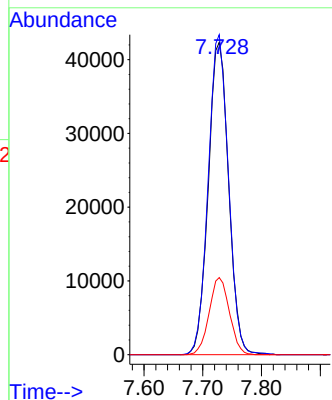
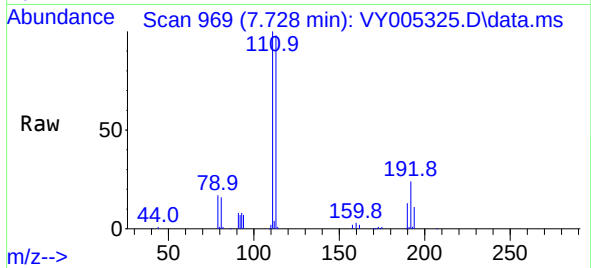




#35  
Dibromofluoromethane  
Concen: 52.590 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

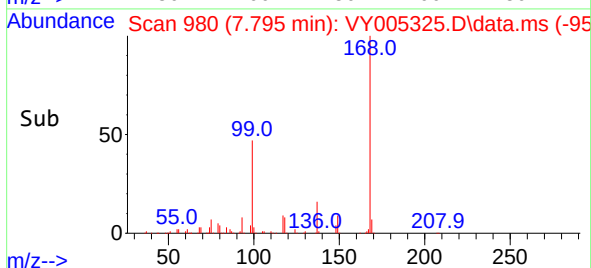
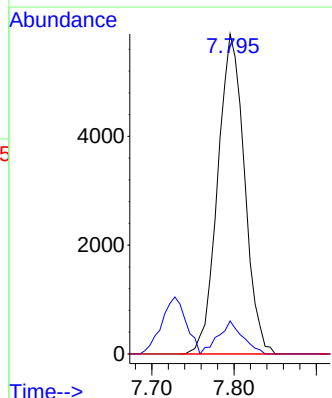
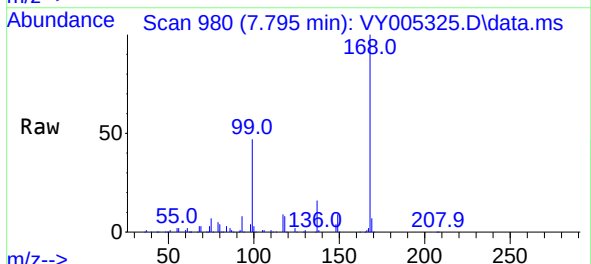
Instrument :  
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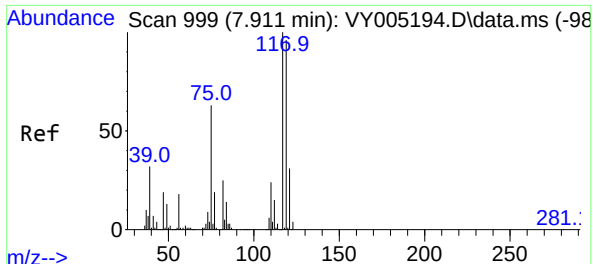
Tgt Ion:113 Resp: 101830  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.6 124.0  
192 24.6 20.2 30.2



#36  
1,1-Dichloropropene  
Concen: 4.595 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 75 Resp: 13285  
Ion Ratio Lower Upper  
75 100  
110 9.4 19.1 57.5#  
77 0.0 25.2 37.8#

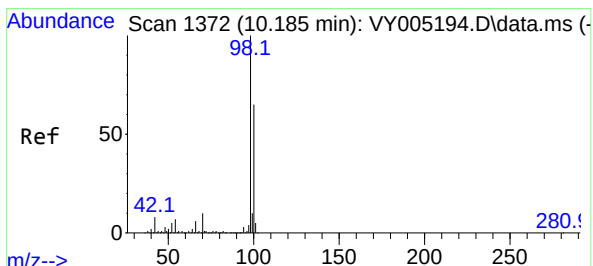
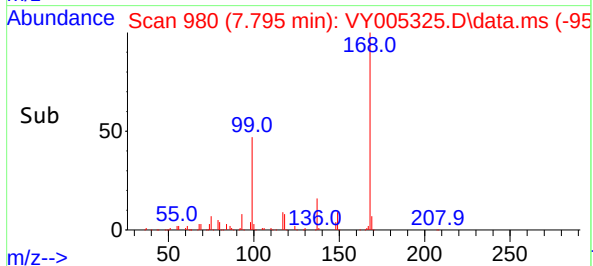
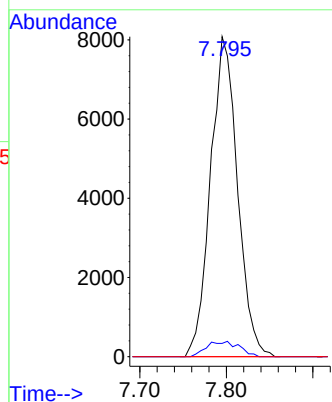
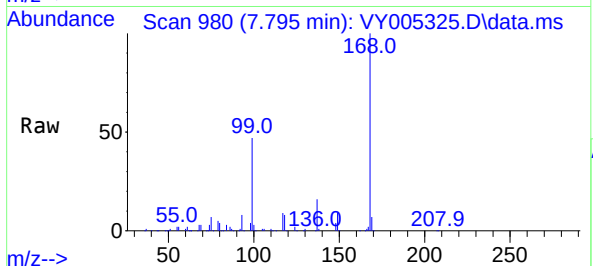




#38  
Carbon Tetrachloride  
Concen: 5.778 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

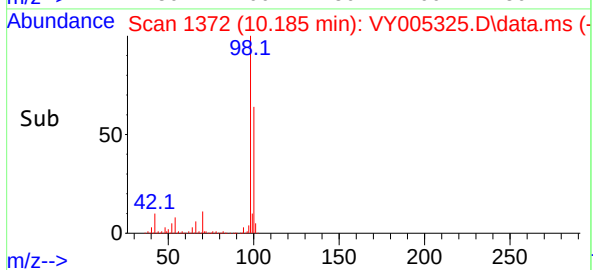
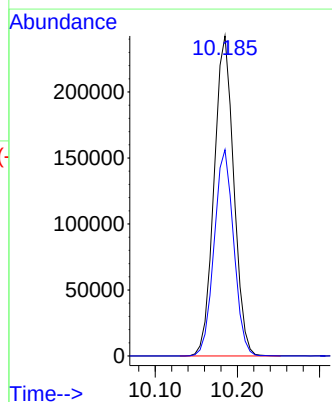
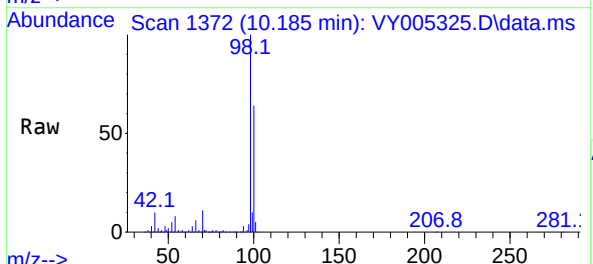
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

Tgt Ion:117 Resp: 17487  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.2 114.4#  
121 0.0 24.7 37.1#

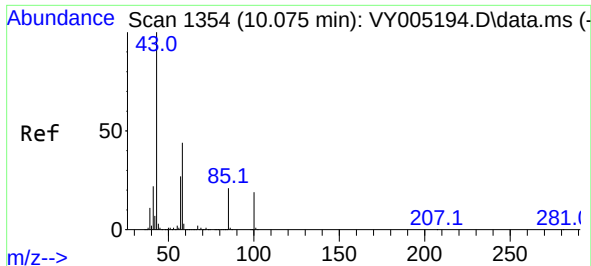


#50  
Toluene-d8  
Concen: 52.051 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 98 Resp: 403052  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9



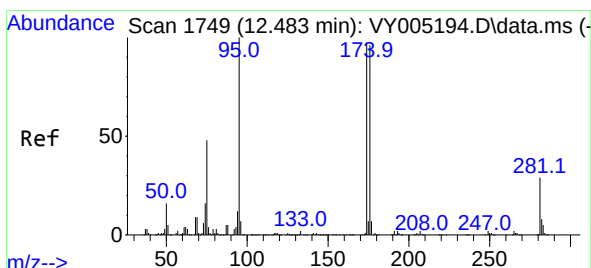
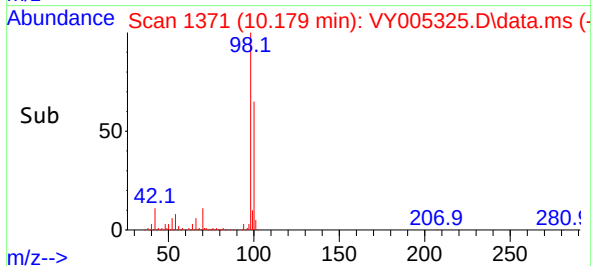
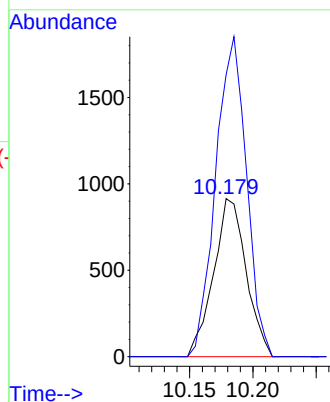
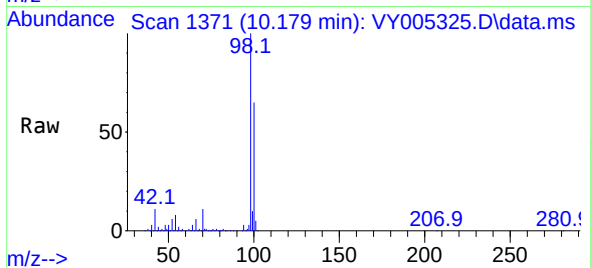




#51  
4-Methyl-2-Pentanone  
Concen: 1.142 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

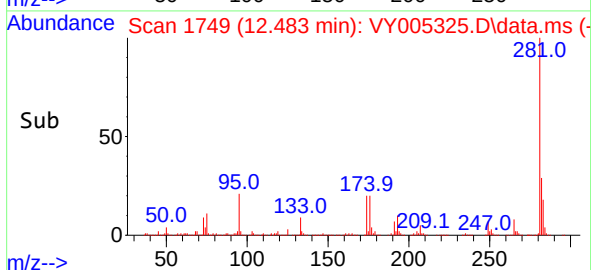
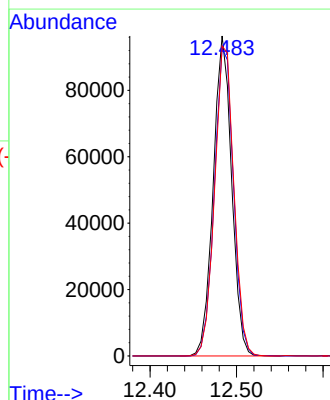
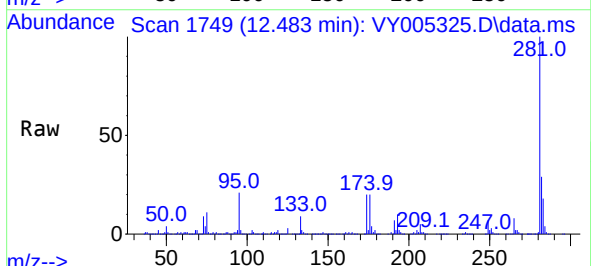
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

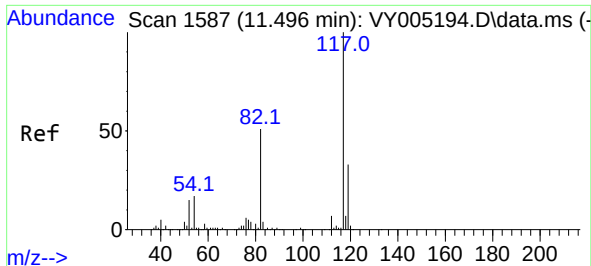
Tgt Ion: 43 Resp: 1638  
Ion Ratio Lower Upper  
43 100  
58 191.2 35.3 52.9#



#62  
4-Bromofluorobenzene  
Concen: 55.111 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 95 Resp: 142204  
Ion Ratio Lower Upper  
95 100  
174 99.8 0.0 201.6  
176 101.0 0.0 197.4

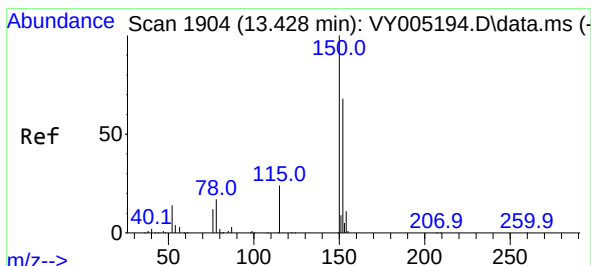
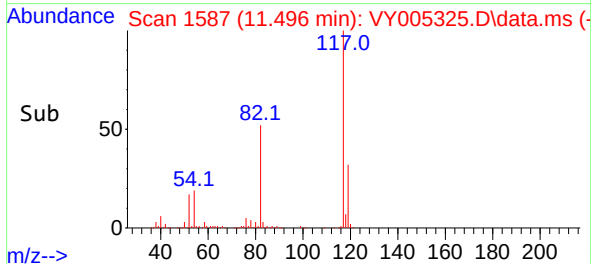
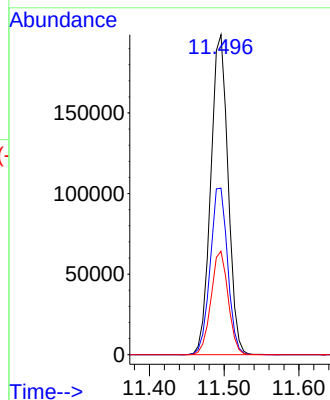
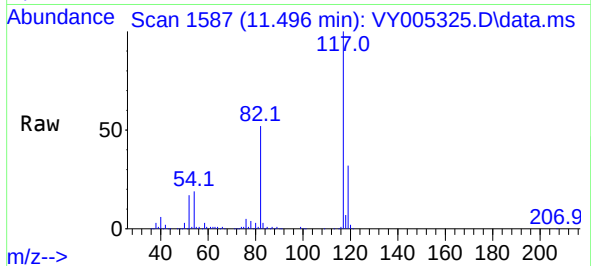




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

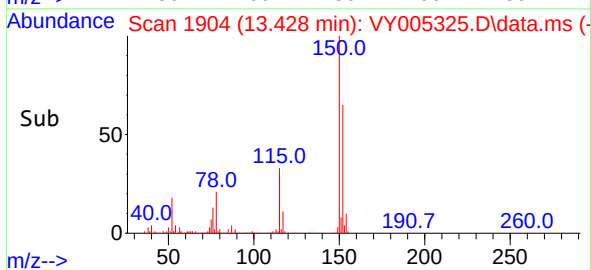
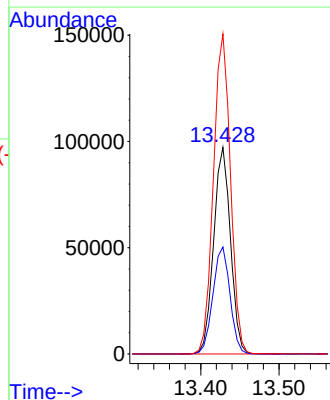
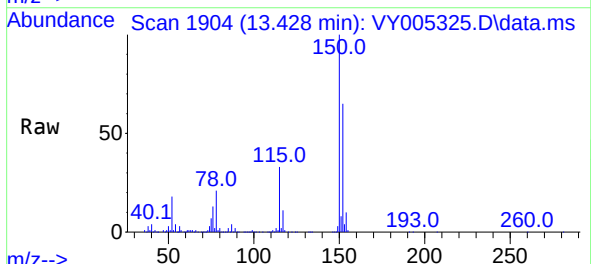
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D-4050

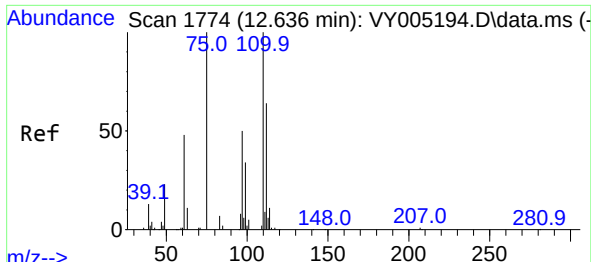
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 319648 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.1  | 40.6  | 60.8   |
| 119      | 32.3  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 145116 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 52.6  | 26.3  | 78.8   |
| 150      | 156.9 | 0.0   | 344.2  |

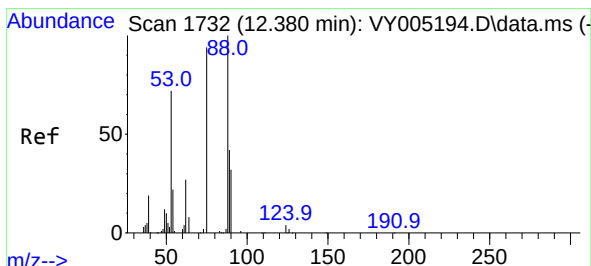
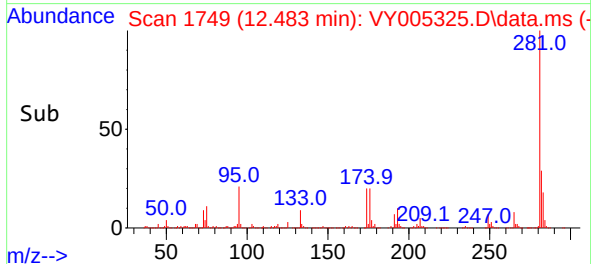
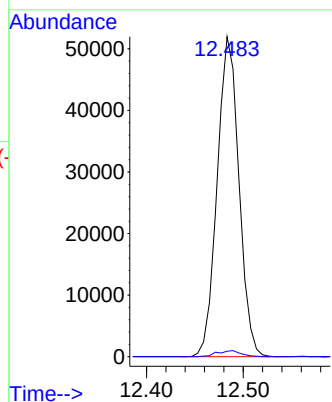
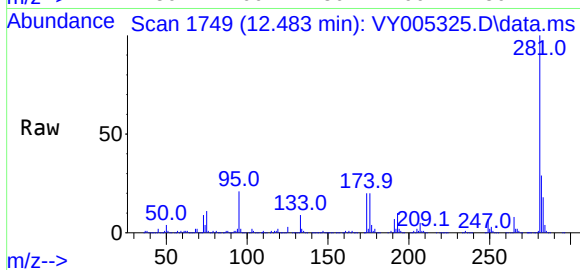




#76  
1,2,3-Trichloropropane  
Concen: 63.001 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Instrument :  
MSVOA\_Y  
ClientSampled :  
D-4050

Tgt Ion: 75 Resp: 81084  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 117.546 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005325.D  
Acq: 01 Jul 2021 19:31

Tgt Ion: 75 Resp: 81084  
Ion Ratio Lower Upper  
75 100  
53 0.1 63.0 94.4#  
89 5.4 38.0 57.0#

