

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy060921\  
 Data File : VY005058.D  
 Acq On : 09 Jun 2021 19:47  
 Operator : SY/MD  
 Sample : M2644-04  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 10 02:44:30 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

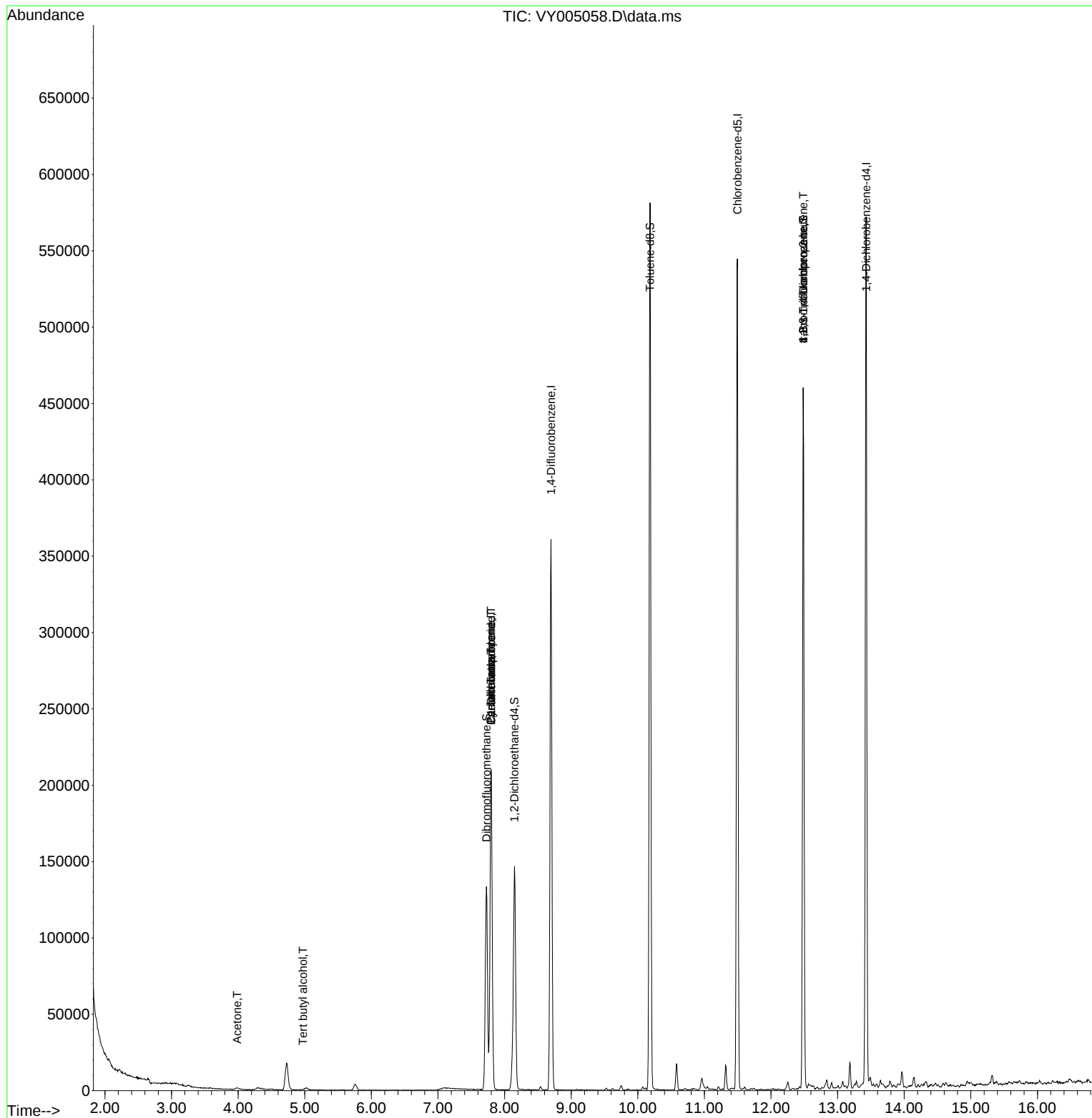
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 161259              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 302307              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 301927              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 138710              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 105769              | 62.042 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 124.080% |        |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 94400               | 58.041 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 116.080% |        |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 380735              | 56.365 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 112.720% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 129727              | 55.842 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 111.680% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol        | 4.972          | 59   | 303                 | 1.545  | ug/l # | 74       |
| 16) Acetone                   | 3.985          | 43   | 2725                | 6.640  | ug/l # | 79       |
| 31) Cyclohexane               | 7.795          | 56   | 3348                | 1.115  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 12869               | 4.350  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 16463               | 6.394  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 68539               | 45.076 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 68539               | 82.839 | ug/l # | 15       |
| -----                         |                |      |                     |        |        |          |

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

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Quant Time: Jun 10 02:44:30 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

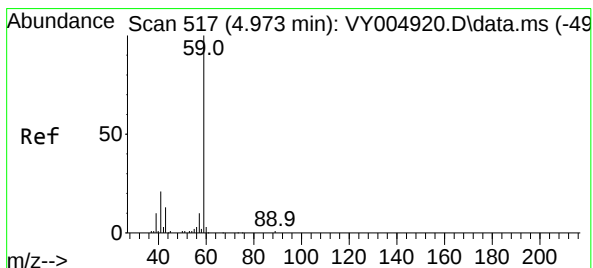
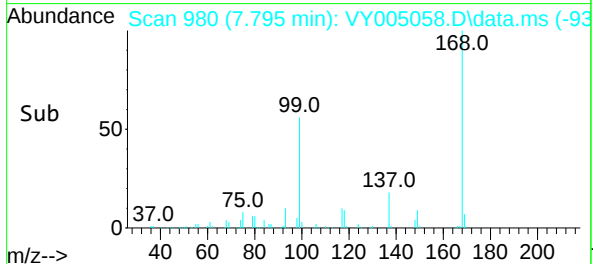
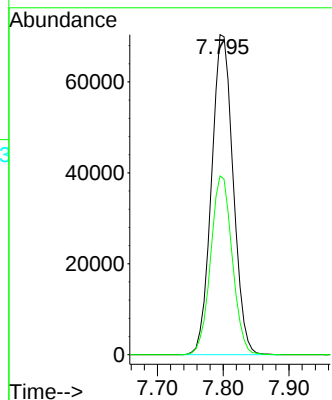
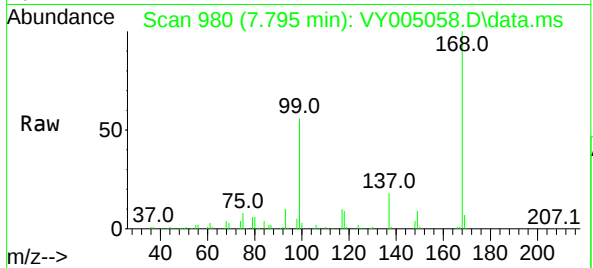




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

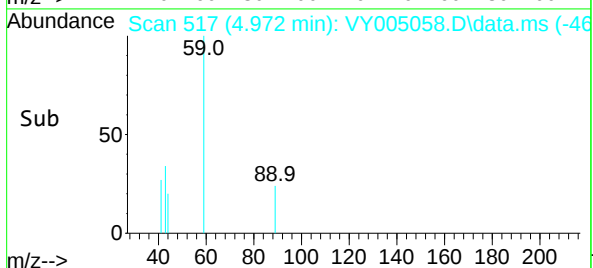
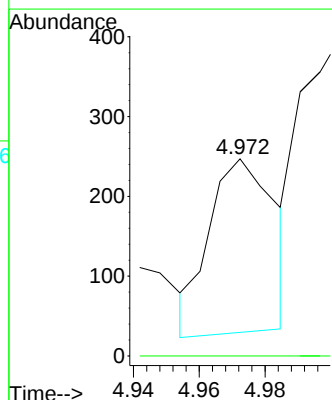
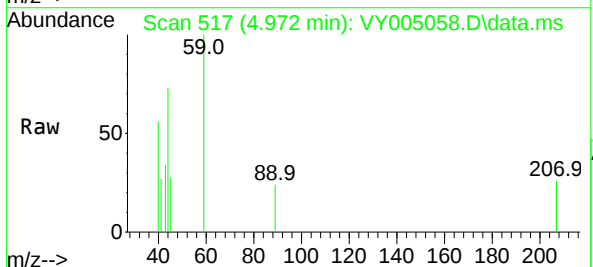
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 161259  
Ion Ratio Lower Upper  
168 100  
99 55.8 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 1.545 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

Tgt Ion: 59 Resp: 303  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

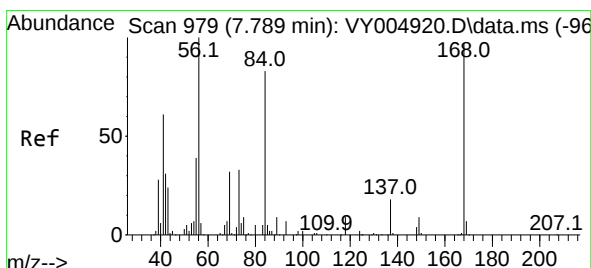
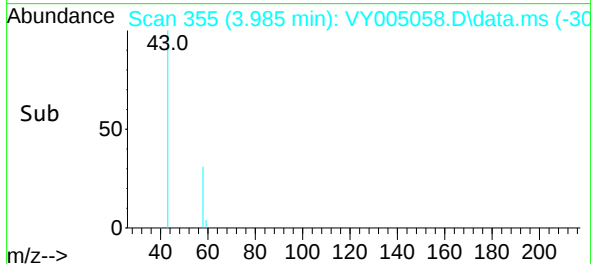
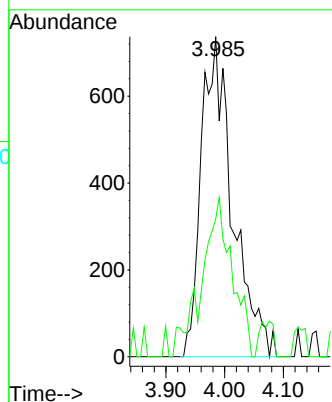
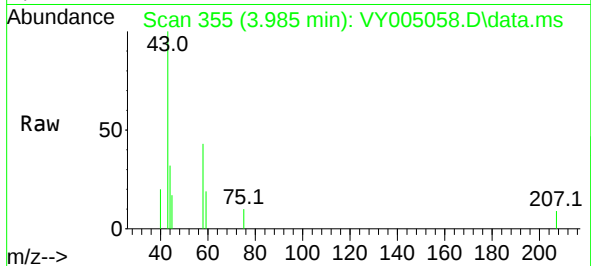




#16  
Acetone  
Concen: 6.640 ug/l  
RT: 3.985 min Scan# 355  
Delta R.T. 0.024 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

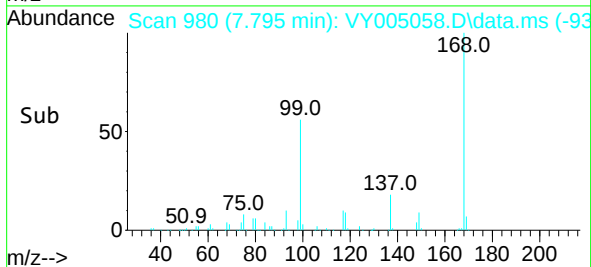
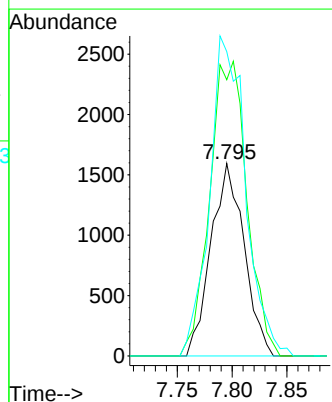
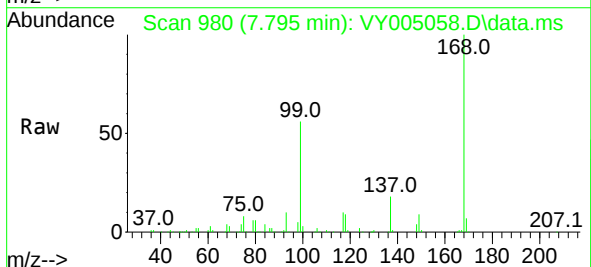
Instrument :  
MSVOA\_Y  
ClientSampled :

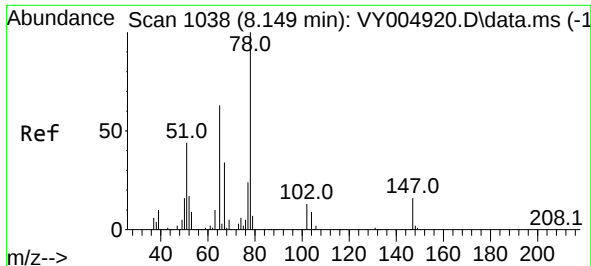
Tgt Ion: 43 Resp: 2725  
Ion Ratio Lower Upper  
43 100  
58 43.0 25.3 37.9#



#31  
Cyclohexane  
Concen: 1.115 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

Tgt Ion: 56 Resp: 3348  
Ion Ratio Lower Upper  
56 100  
69 143.5 25.3 37.9#  
84 158.2 66.2 99.4#



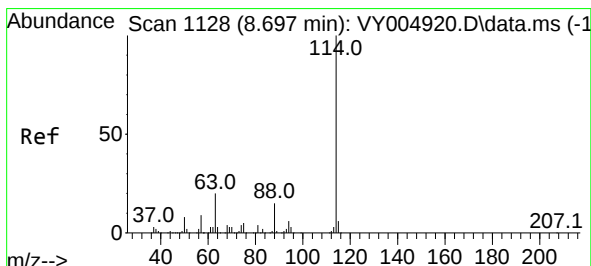
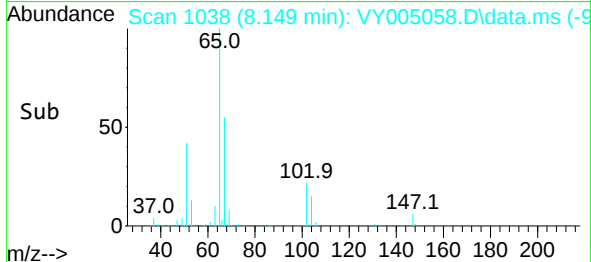
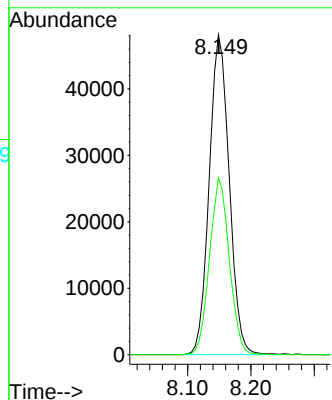
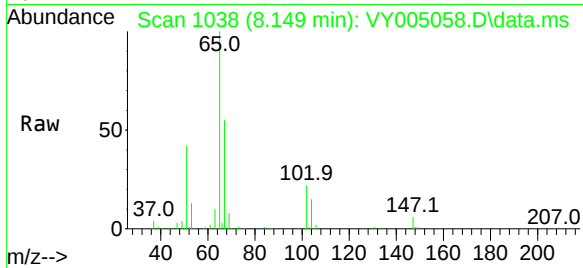


#33  
 1,2-Dichloroethane-d4  
 Concen: 62.042 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. -0.000 min  
 Lab File: VY005058.D  
 Acq: 09 Jun 2021 19:47

Instrument :  
 MSVOA\_Y  
 ClientSampled :

Tgt Ion: 65 Resp: 105769  

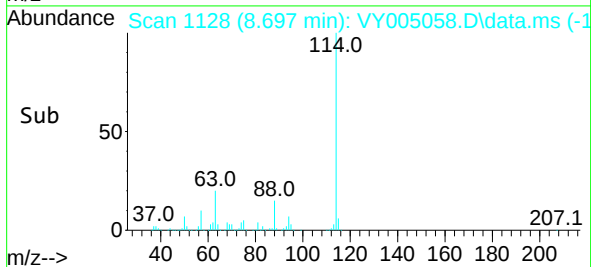
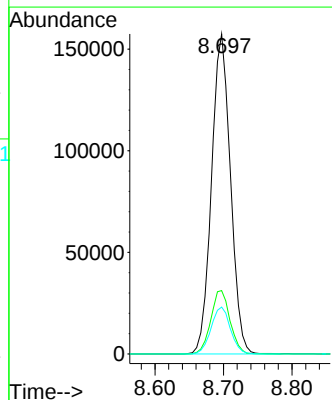
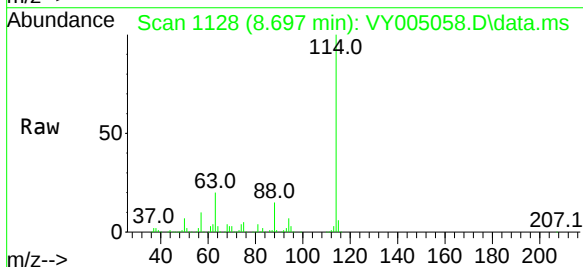
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.6  | 0.0   | 110.6 |

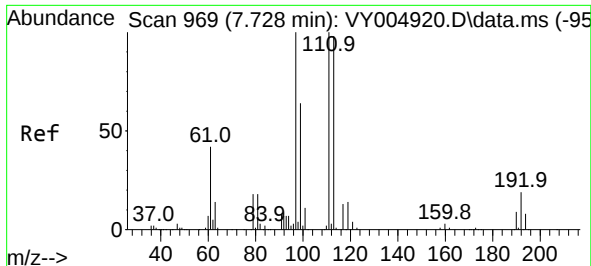


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. -0.000 min  
 Lab File: VY005058.D  
 Acq: 09 Jun 2021 19:47

Tgt Ion: 114 Resp: 302307  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.8  | 0.0   | 41.0  |
| 88  | 14.6  | 0.0   | 30.6  |

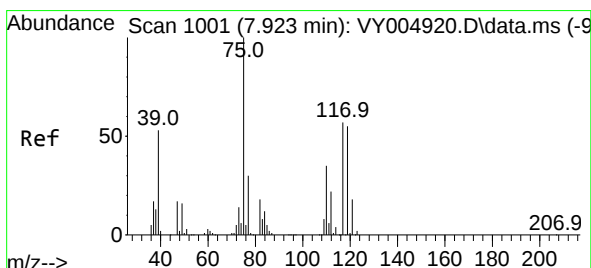
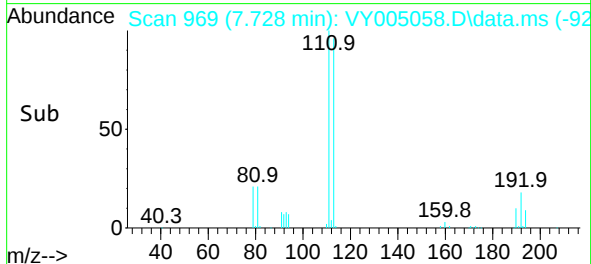
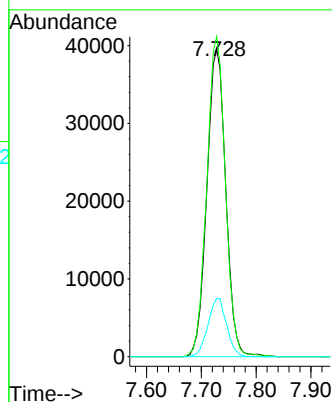
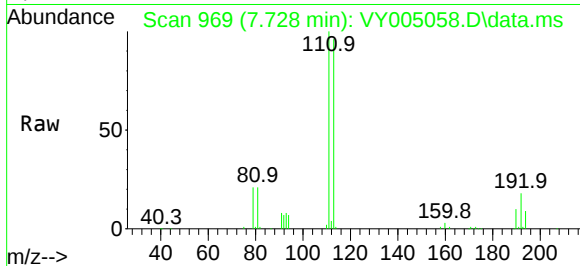




#35  
Dibromofluoromethane  
Concen: 58.041 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

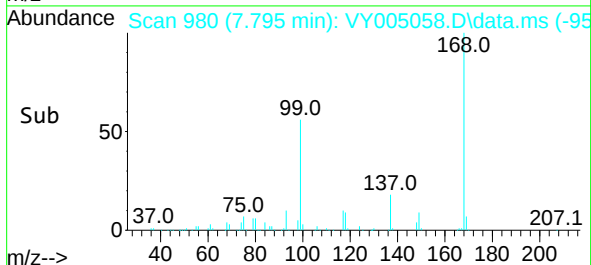
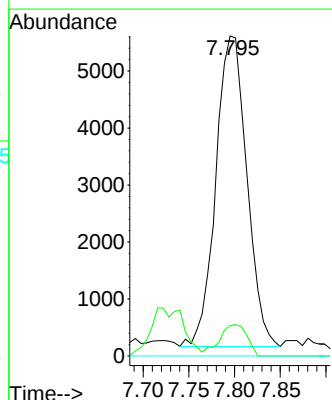
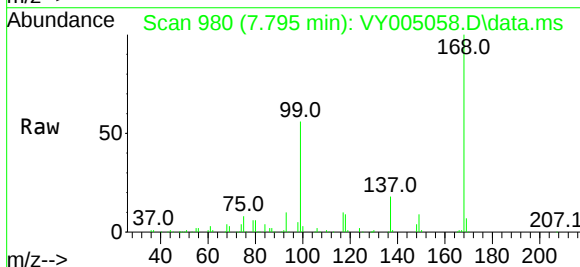
Instrument :  
MSVOA\_Y  
ClientSampleId :

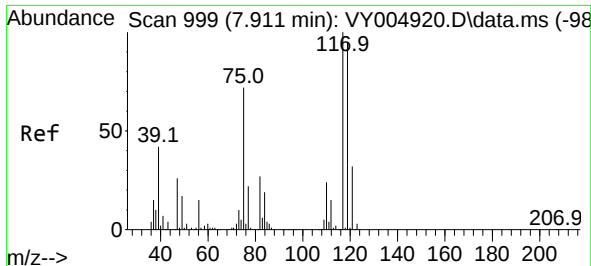
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94400 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 81.8  | 122.8 |
| 192      | 18.7  | 15.3  | 22.9  |



#36  
1,1-Dichloropropene  
Concen: 4.350 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

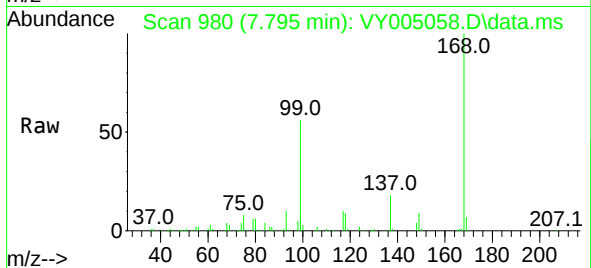
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12869 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.9   | 17.5  | 52.5# |
| 77       | 0.0   | 25.1  | 37.7# |



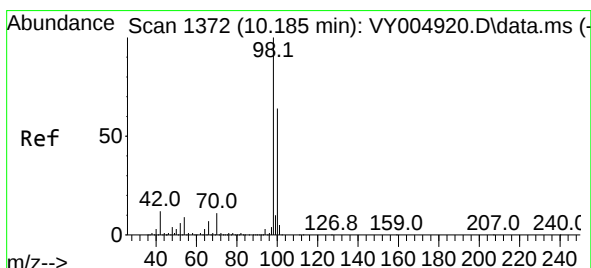
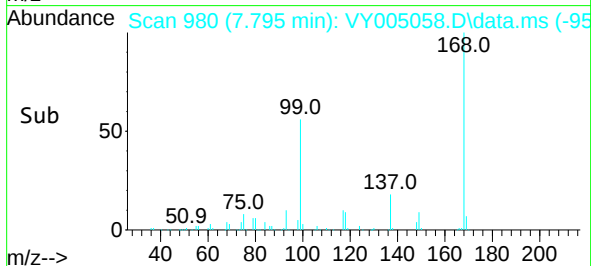
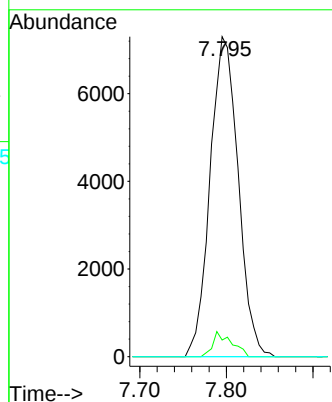


#38  
Carbon Tetrachloride  
Concen: 6.394 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

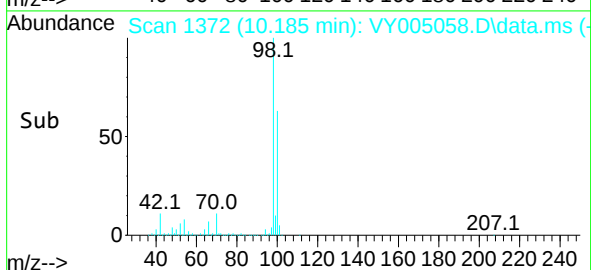
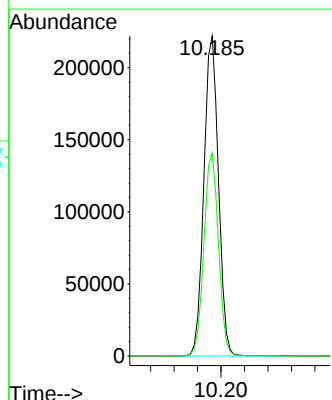
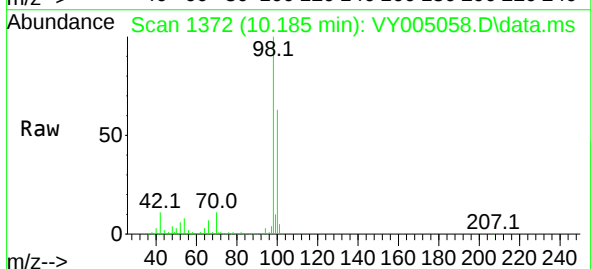


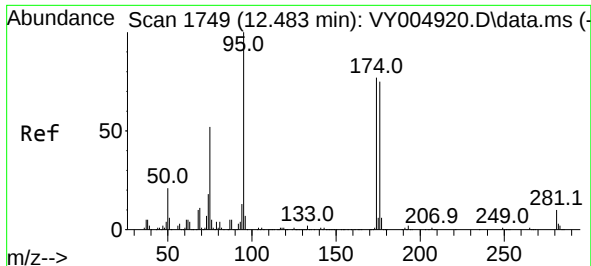
Tgt Ion:117 Resp: 16463  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.1 114.1#  
121 0.0 25.5 38.3#



#50  
Toluene-d8  
Concen: 56.365 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

Tgt Ion: 98 Resp: 380735  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.8 77.6

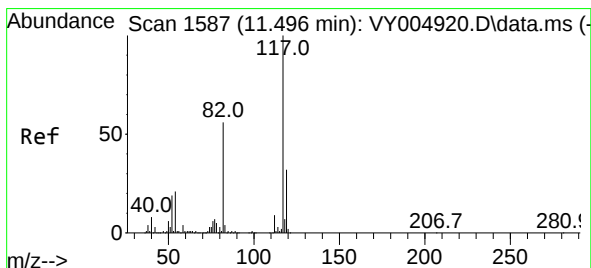
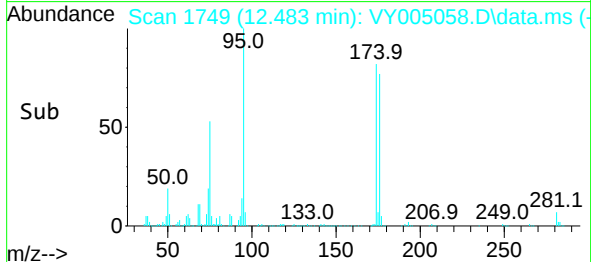
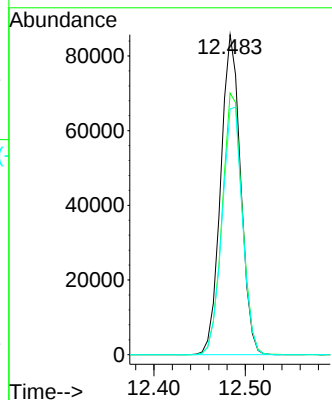
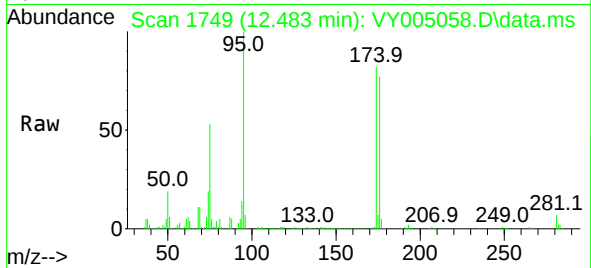




#62  
4-Bromofluorobenzene  
Concen: 55.842 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

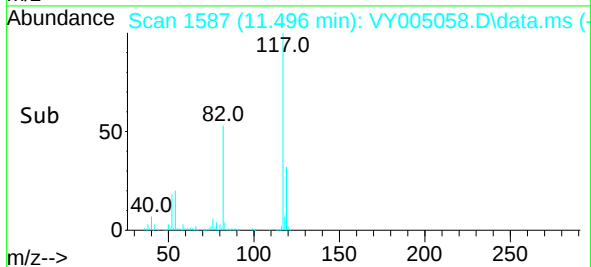
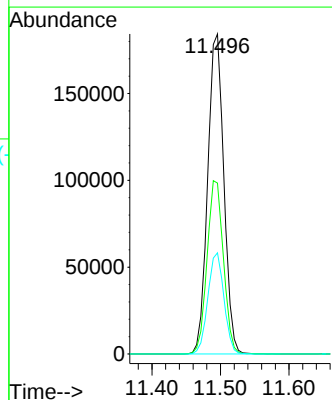
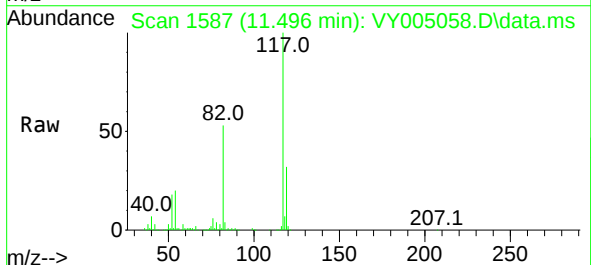
Instrument :  
MSVOA\_Y  
ClientSampleId :

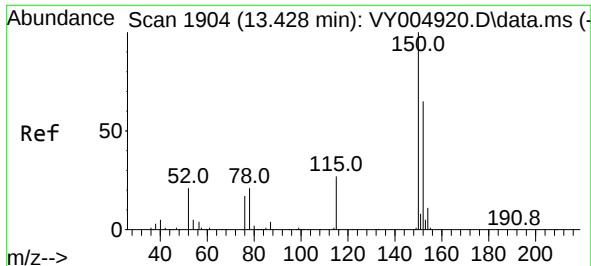
Tgt Ion: 95 Resp: 129727  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 160.8  
176 79.5 0.0 155.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005058.D  
Acq: 09 Jun 2021 19:47

Tgt Ion: 117 Resp: 301927  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.8 67.2  
119 31.6 25.2 37.8

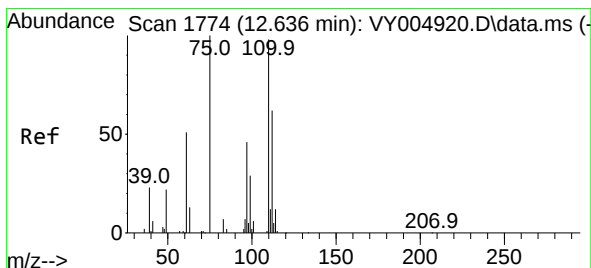
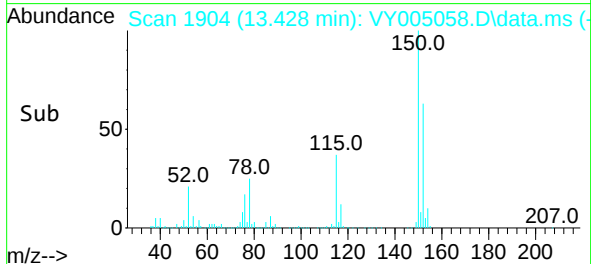
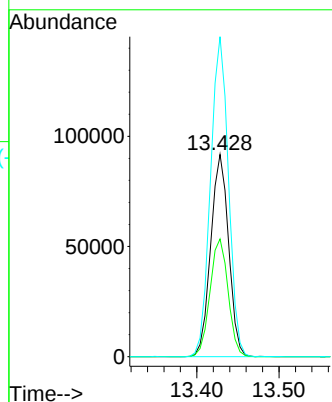
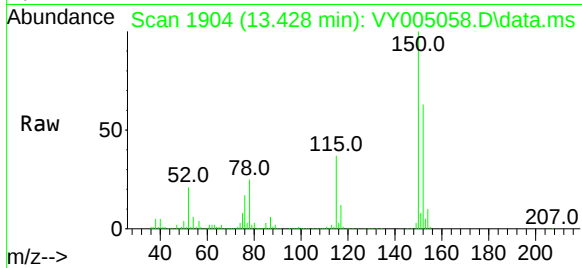




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005058.D  
 Acq: 09 Jun 2021 19:47

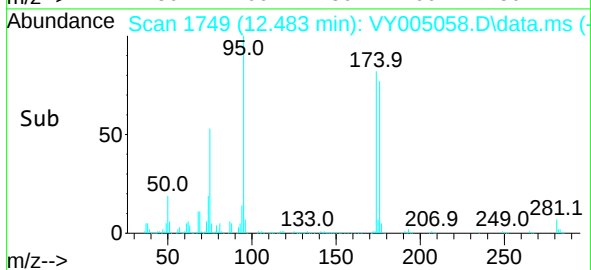
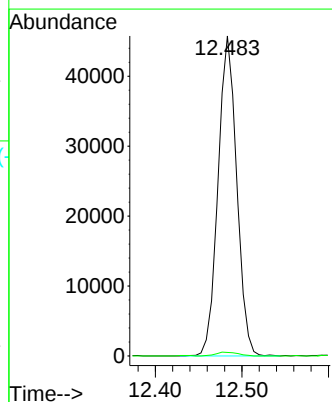
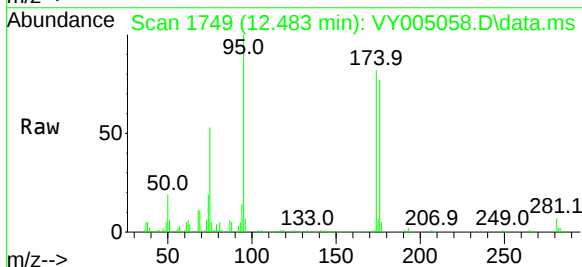
Instrument :  
 MSVOA\_Y  
 ClientSampled :

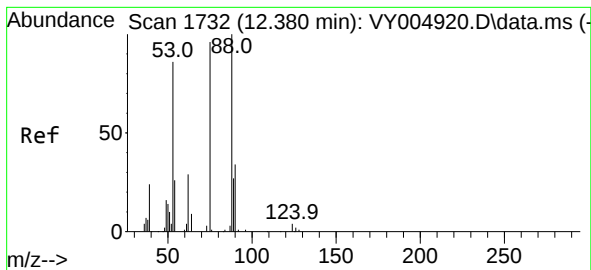
Tgt Ion:152 Resp: 138710  
 Ion Ratio Lower Upper  
 152 100  
 115 58.9 29.9 89.7  
 150 158.5 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 45.076 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005058.D  
 Acq: 09 Jun 2021 19:47

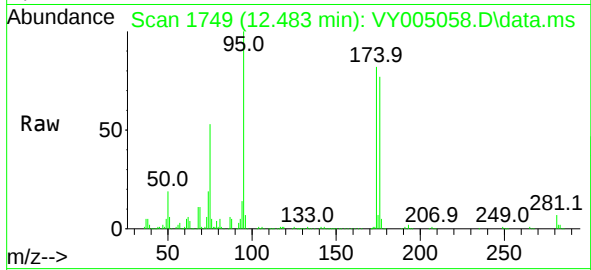
Tgt Ion: 75 Resp: 68539  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 82.839 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY005058.D  
 Acq: 09 Jun 2021 19:47

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 68539  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.3 103.9#  
 89 0.0 35.0 52.6#

