

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
 Data File : VY006163.D  
 Acq On : 27 Sep 2021 15:11  
 Operator : SY/MD  
 Sample : M3950-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-02-092421

Quant Time: Sep 28 06:20:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

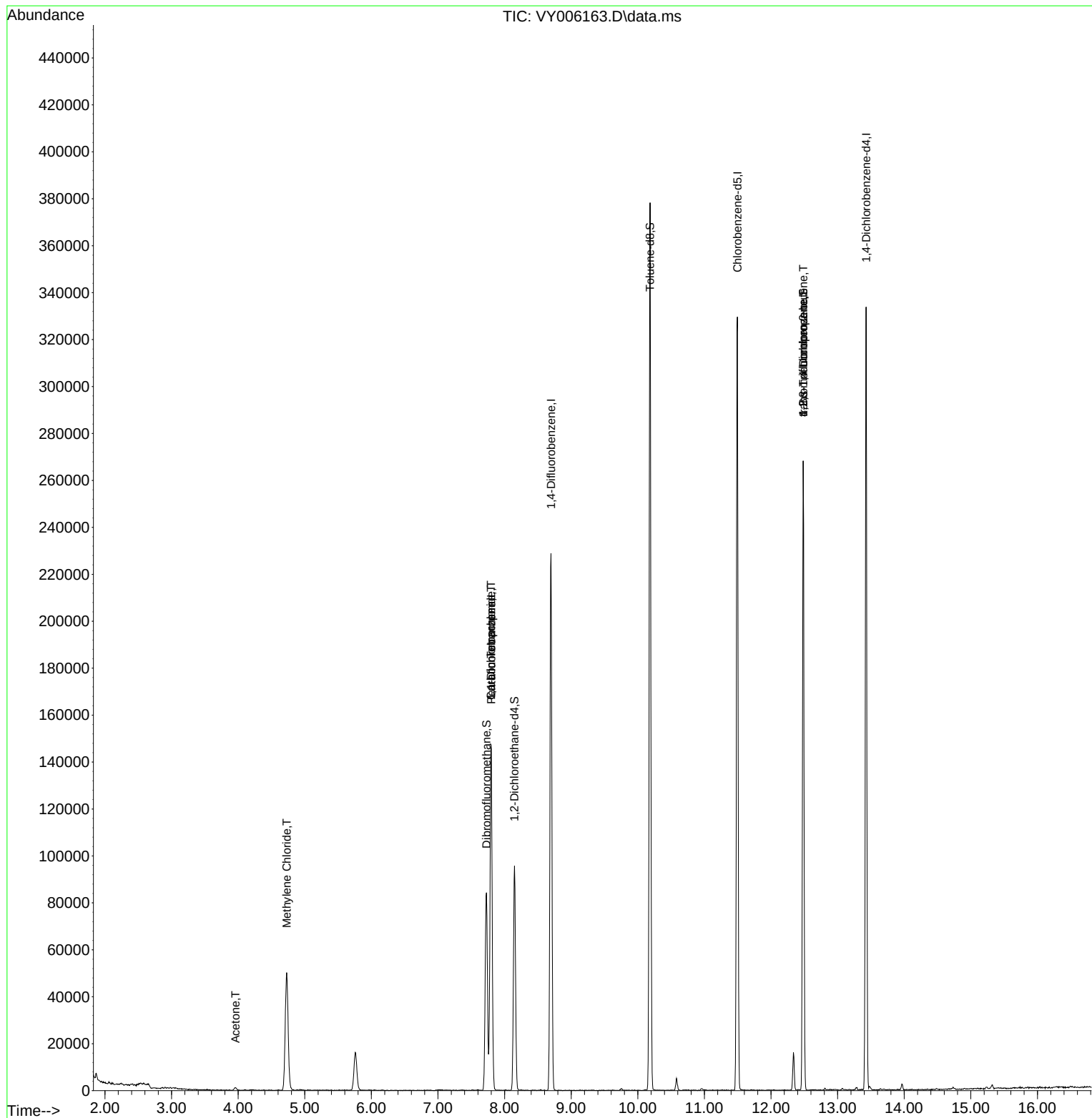
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 117360   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 192648   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 176370   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 81933    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 79090    | 48.516    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 97.040%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 57755    | 48.267    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 96.540%  |
| 50) Toluene-d8                | 10.185 | 98    | 236714   | 46.416    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 92.840%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 73745    | 42.591    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 85.180%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.954  | 59    | 82       | Below Cal | #      | 77       |
| 16) Acetone                   | 3.960  | 43    | 1894     | 4.236     | ug/l   | 98       |
| 20) Methylene Chloride        | 4.729  | 84    | 36506    | 23.726    | ug/l   | 90       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 8667     | 4.168     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11064    | 4.888     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 41552    | 47.566    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 41552    | 87.451    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

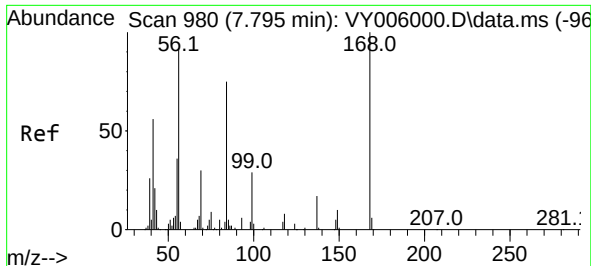
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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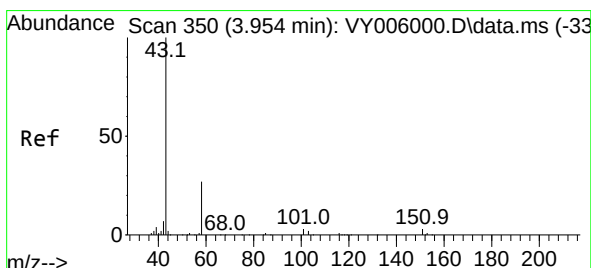
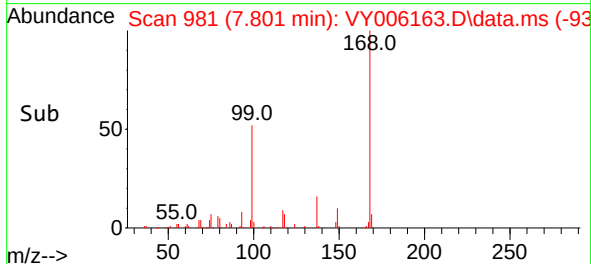
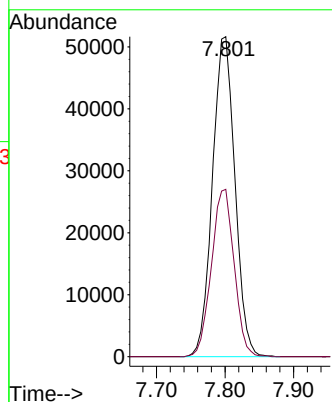
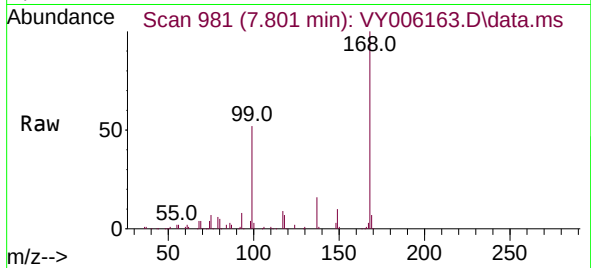




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

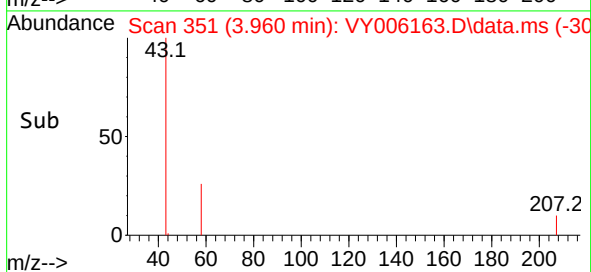
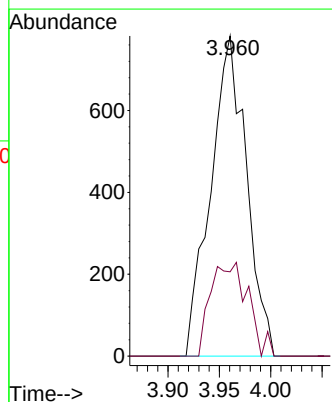
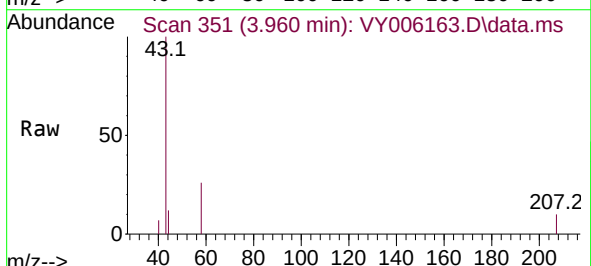
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421

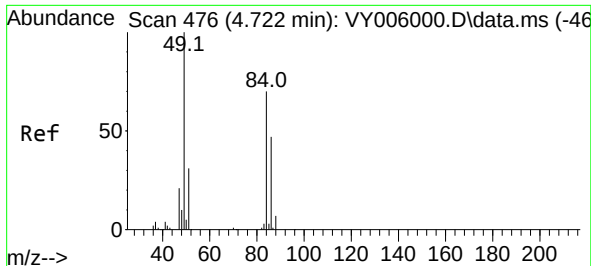
Tgt Ion:168 Resp: 117360  
Ion Ratio Lower Upper  
168 100  
99 52.3 46.9 70.3



#16  
Acetone  
Concen: 4.236 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

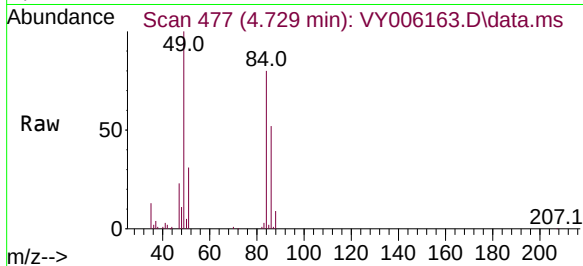
Tgt Ion: 43 Resp: 1894  
Ion Ratio Lower Upper  
43 100  
58 26.3 22.0 33.0



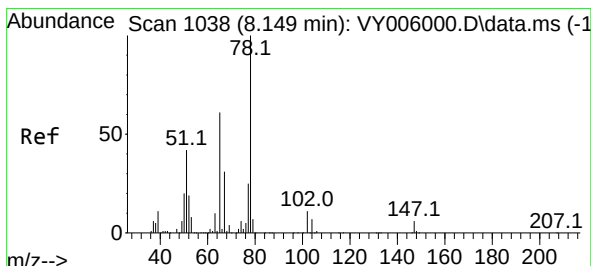
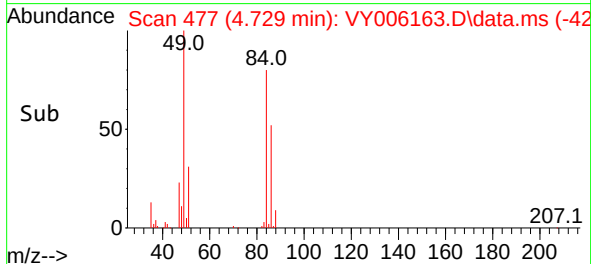
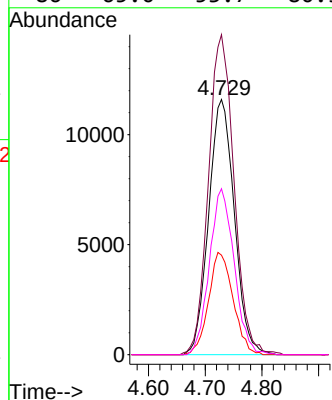


#20  
Methylene Chloride  
Concen: 23.726 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421

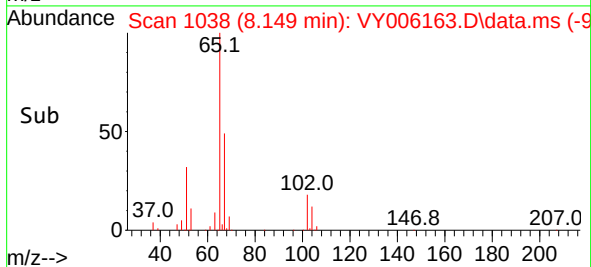
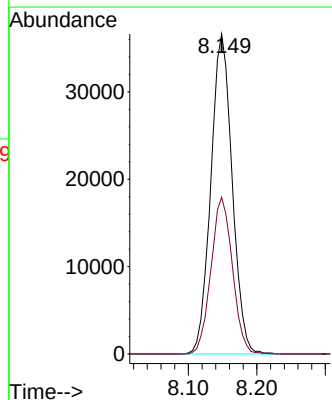
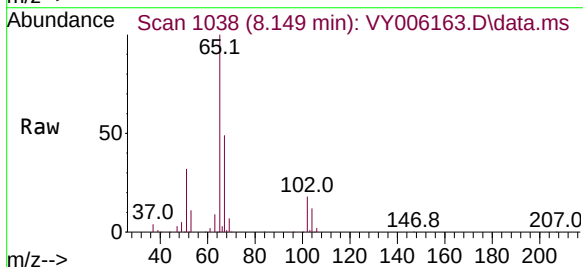


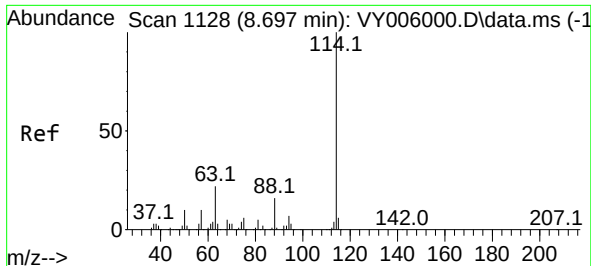
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 36506 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.4 | 114.4 | 171.6 |
| 51       | 39.0  | 35.3  | 52.9  |
| 86       | 65.0  | 53.7  | 80.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.516 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

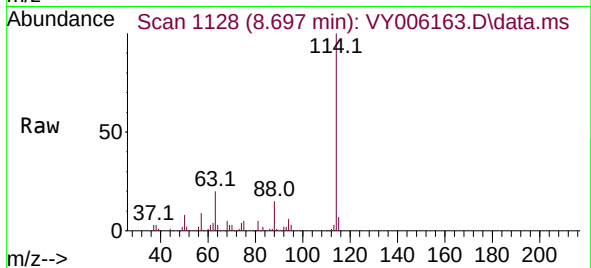
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 79090 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.2  | 0.0   | 99.4  |



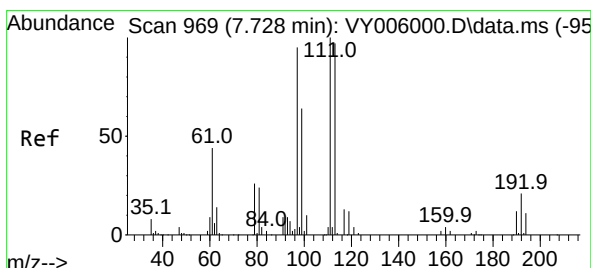
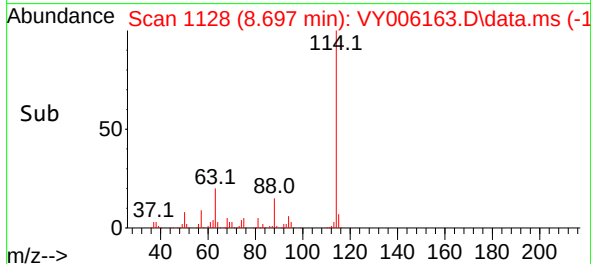
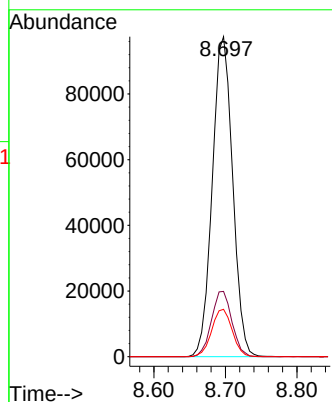


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Instrument :  
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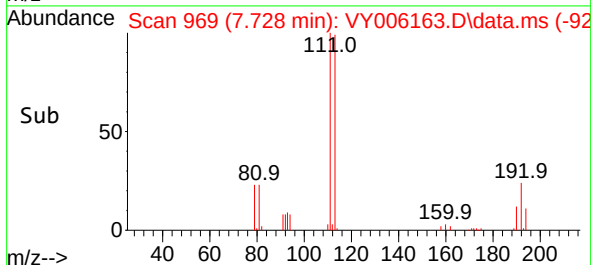
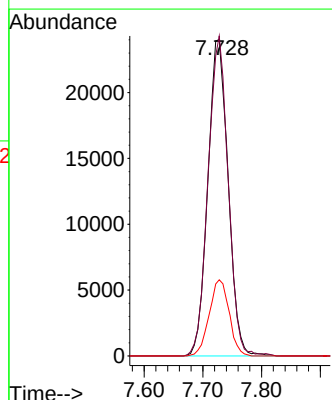
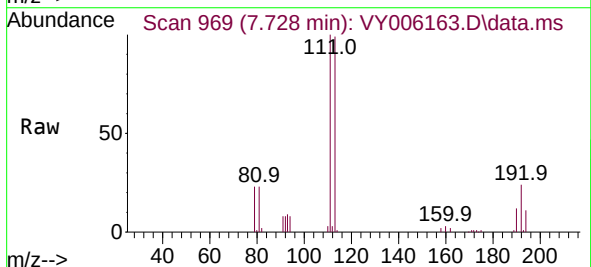


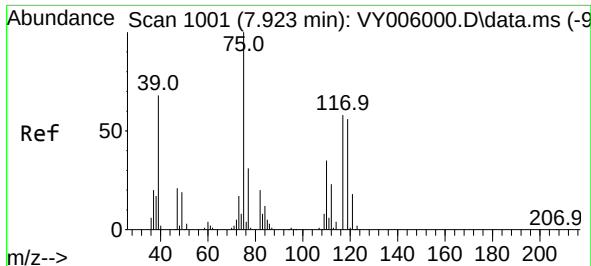
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.4  | 0.0   | 43.2  |
| 88      | 14.8  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 48.267 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

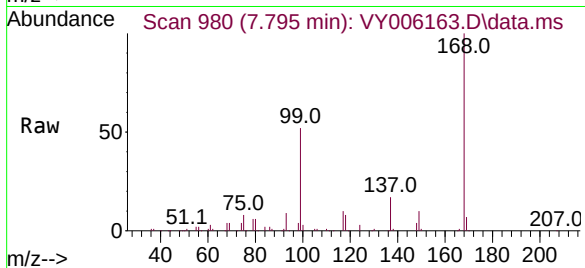
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.9  | 82.6  | 124.0 |
| 192     | 23.6  | 17.6  | 26.4  |



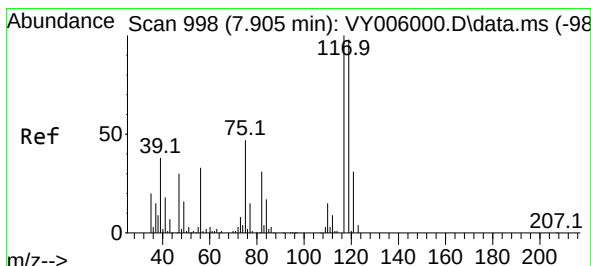
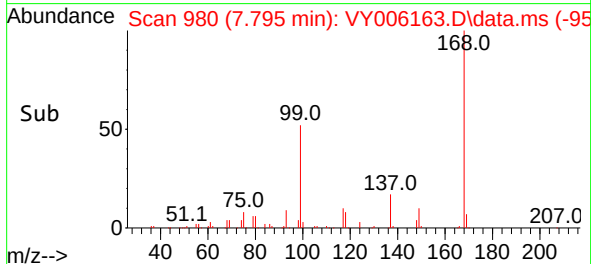
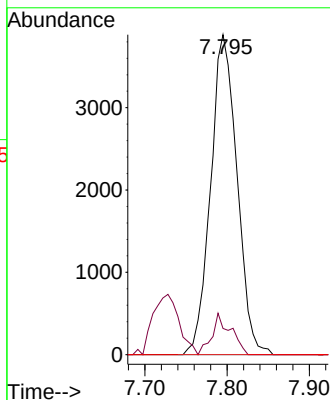


#36  
1,1-Dichloropropene  
Concen: 4.168 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

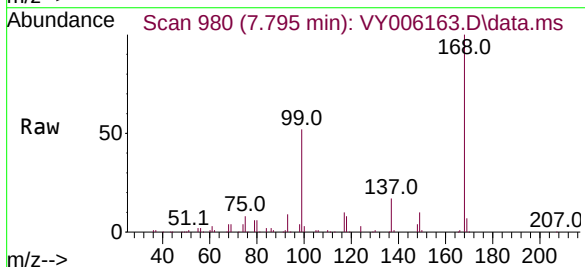
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421



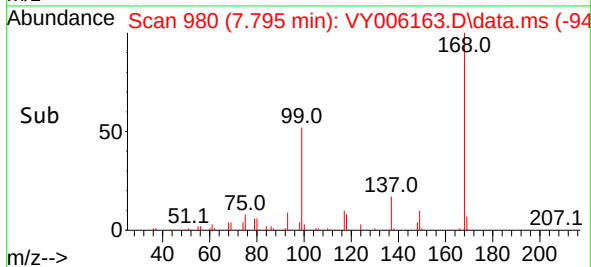
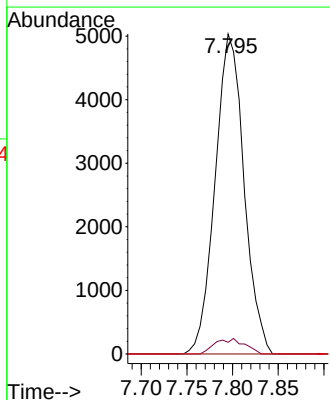
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.2   | 17.1  | 51.2# |
| 77      | 0.0   | 24.4  | 36.6# |

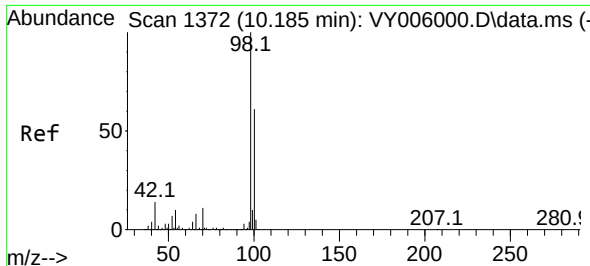


#38  
Carbon Tetrachloride  
Concen: 4.888 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 3.7   | 77.9  | 116.9# |
| 121     | 0.0   | 24.8  | 37.2#  |

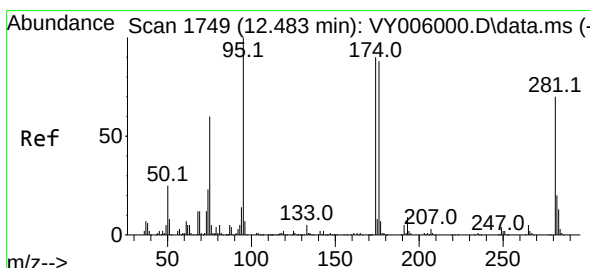
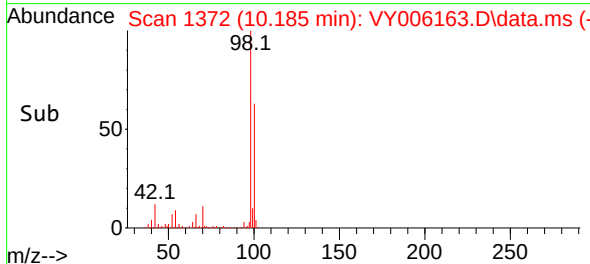
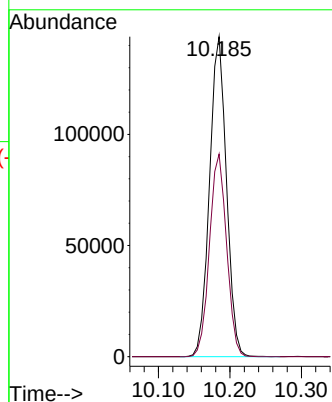
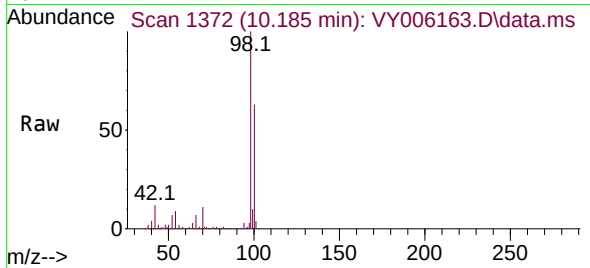




#50  
Toluene-d8  
Concen: 46.416 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

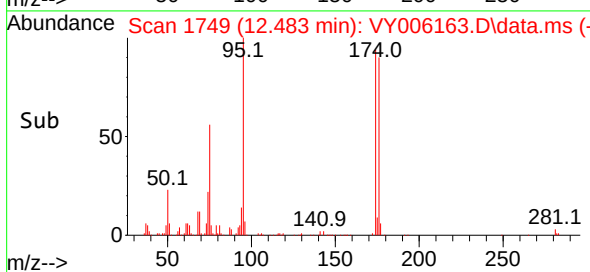
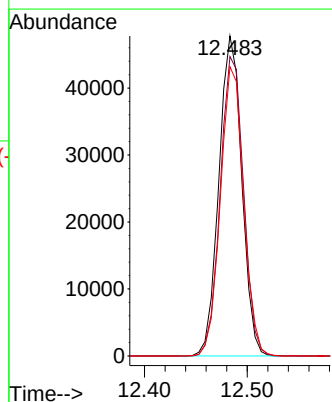
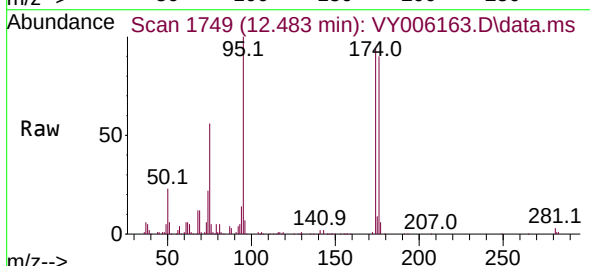
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421

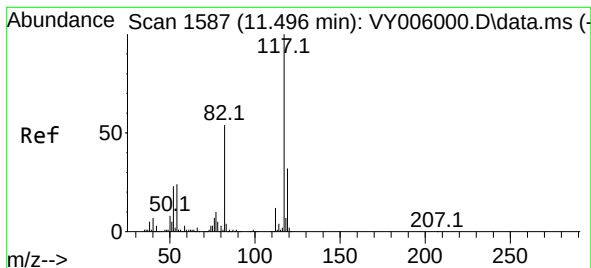
Tgt Ion: 98 Resp: 236714  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 42.591 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Tgt Ion: 95 Resp: 73745  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 177.0  
176 91.3 0.0 175.8

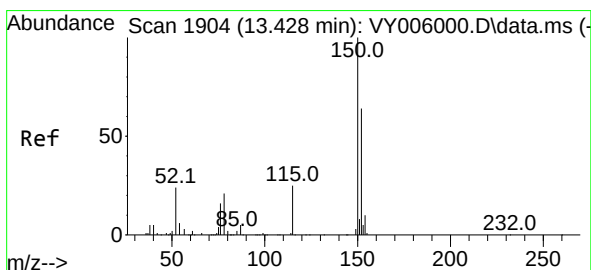
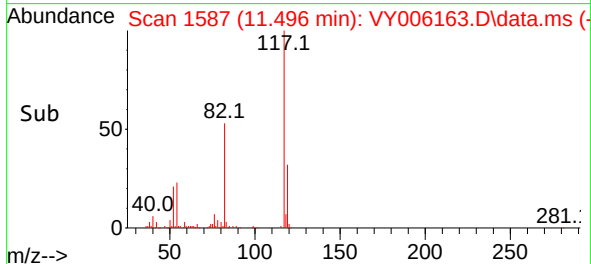
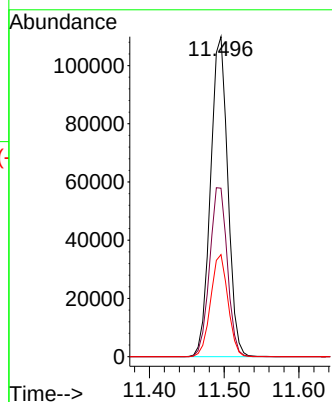
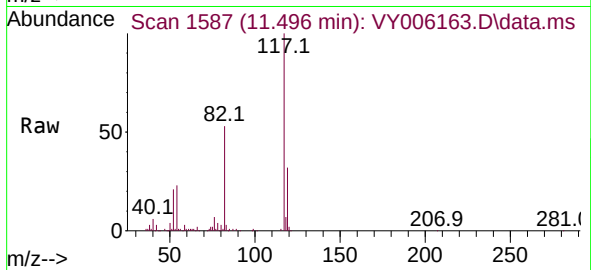




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

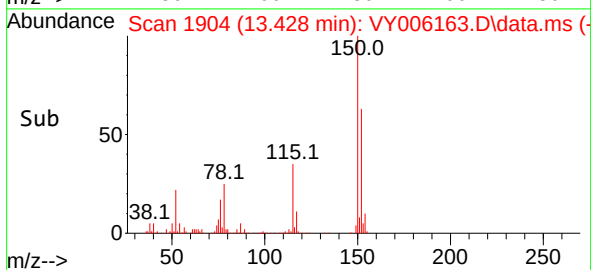
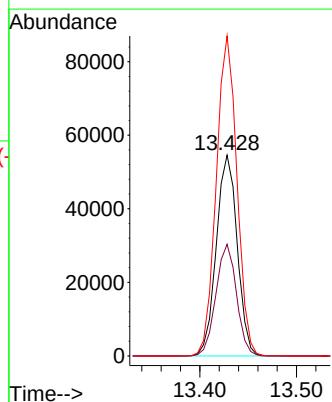
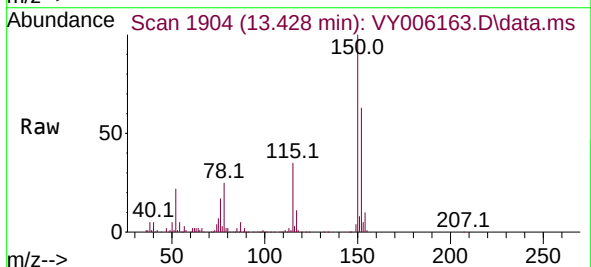
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 176370 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.6  | 43.0  | 64.4   |
| 119      | 31.9  | 25.4  | 38.0   |

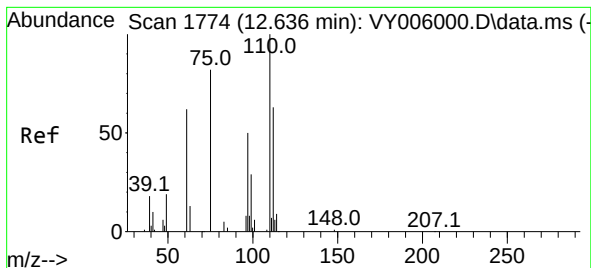


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 81933 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.7  | 28.2  | 84.7  |
| 150      | 157.2 | 0.0   | 347.6 |



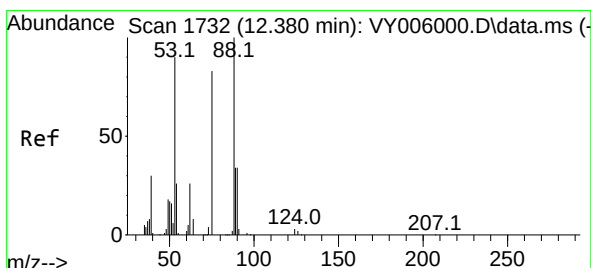
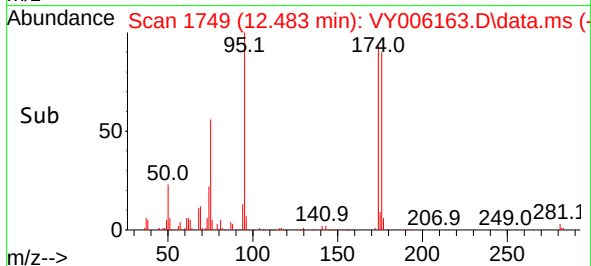
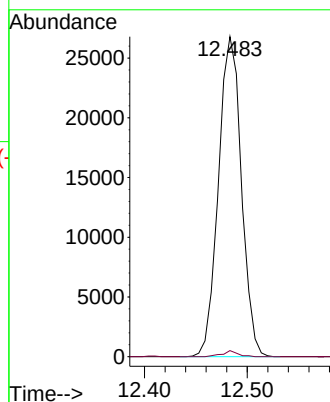
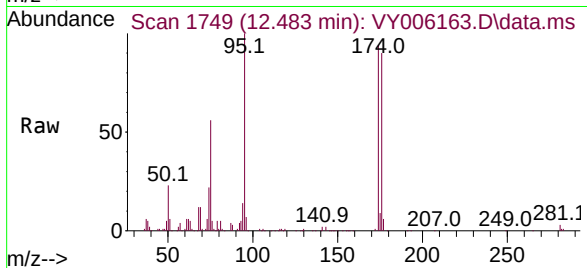




#76  
1,2,3-Trichloropropane  
Concen: 47.566 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-092421

Tgt Ion: 75 Resp: 41552  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.451 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Tgt Ion: 75 Resp: 41552  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

