

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081821\  
 Data File : VY005743.D  
 Acq On : 18 Aug 2021 16:31  
 Operator : SY/MD  
 Sample : M3428-10  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-04-6.5-7.0

Quant Time: Aug 19 05:18:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

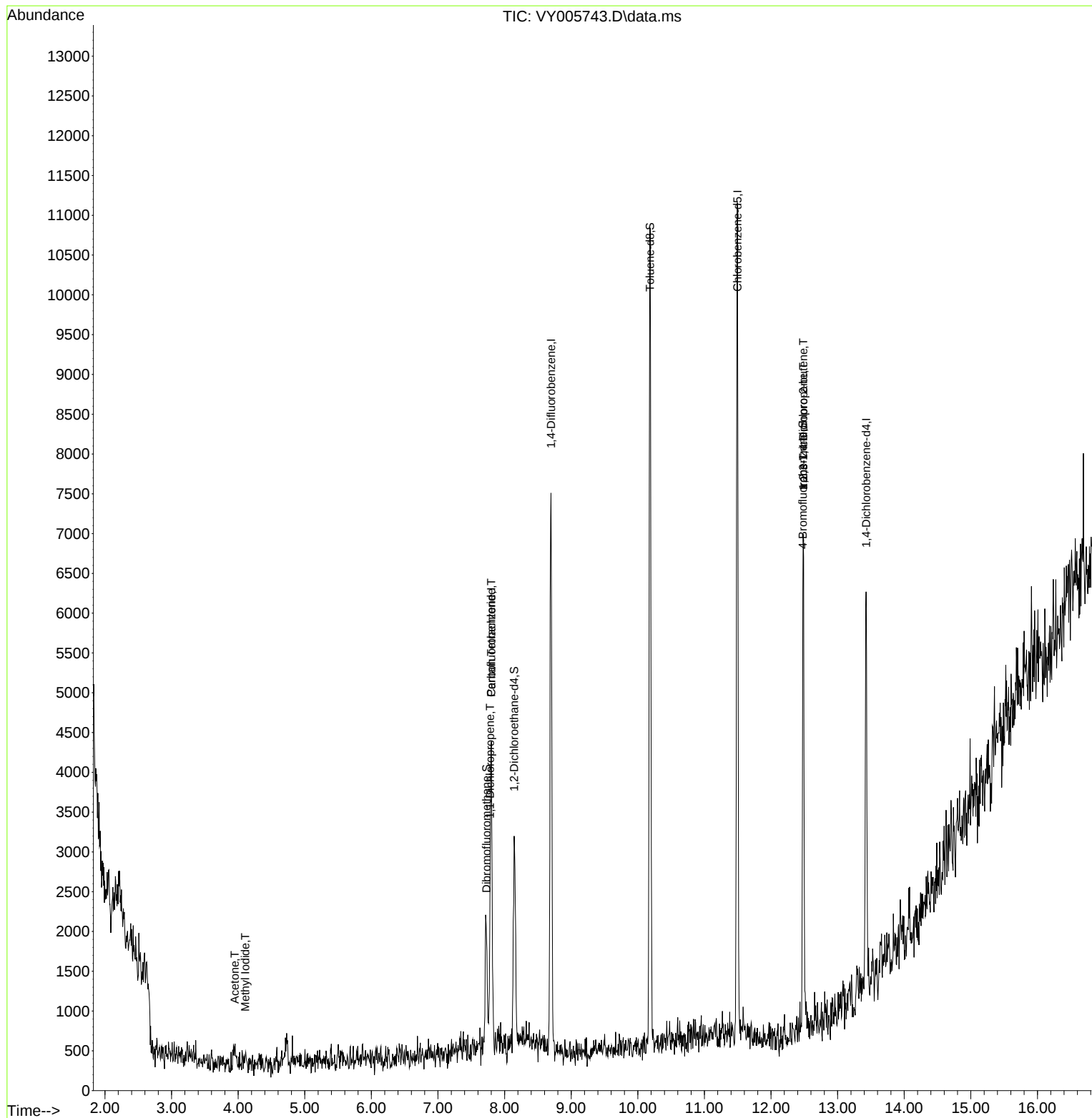
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 3555     | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 6310     | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 5718     | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 1547     | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 2299     | 63.887    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 127.780% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 1199     | 33.939    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 67.880%  |          |
| 50) Toluene-d8                | 10.185    | 98    | 7241     | 48.872    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 97.740%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 1943     | 39.601    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 79.200%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.107     | 142   | 252      | 6.667     | ug/l #     | 48       |
| 16) Acetone                   | 3.948     | 43    | 156      | 17.194    | ug/l #     | 45       |
| 20) Methylene Chloride        | 4.735     | 84    | 206      | Below Cal | #          | 51       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 282      | 4.765     | ug/l #     | 41       |
| 38) Carbon Tetrachloride      | 7.801     | 117   | 399      | 6.203     | ug/l #     | 13       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 895      | 55.828    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 895      | 112.542   | ug/l #     | 11       |
| -----                         |           |       |          |           |            |          |

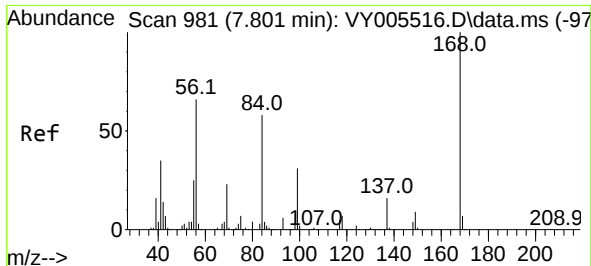
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

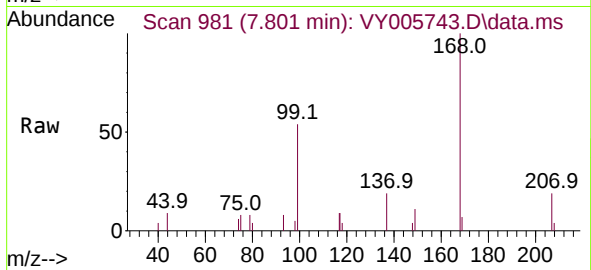
Quant Time: Aug 19 05:18:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
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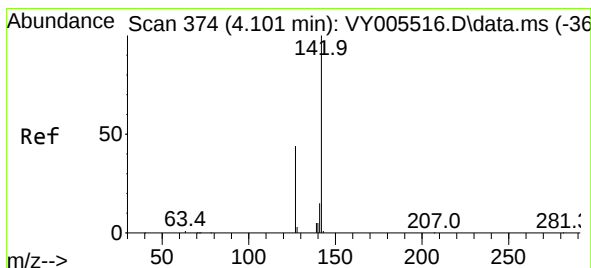
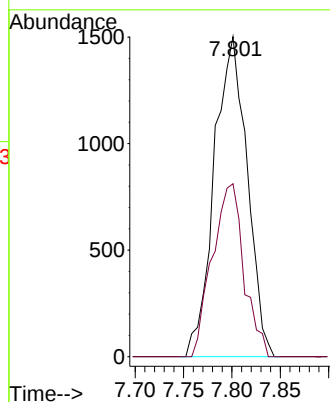
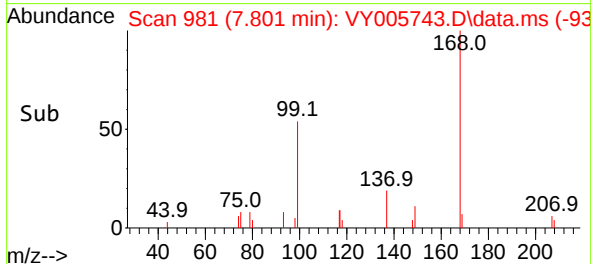


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

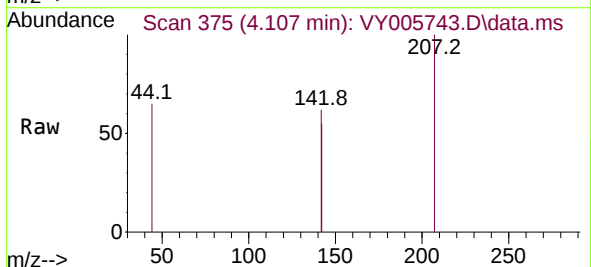
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0



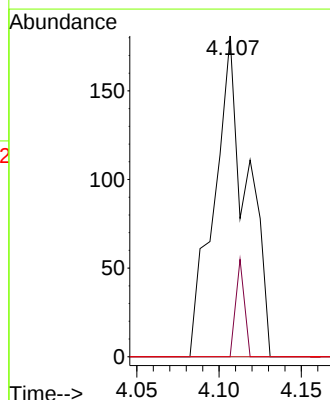
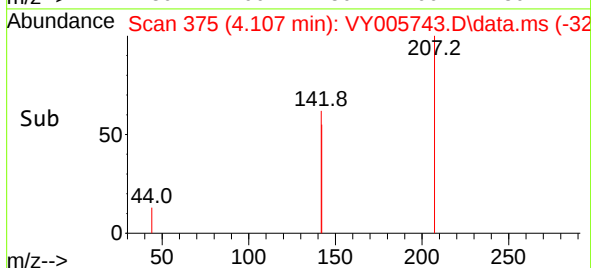
Tgt Ion:168 Resp: 3555  
Ion Ratio Lower Upper  
168 100  
99 54.1 38.9 58.3

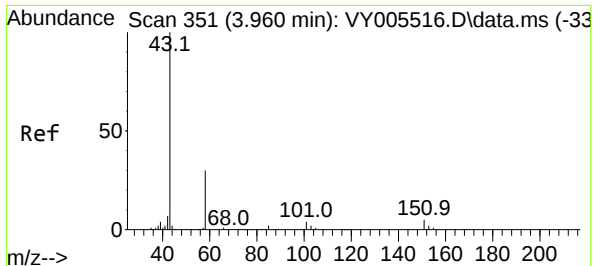


#10  
Methyl Iodide  
Concen: 6.667 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31



Tgt Ion:142 Resp: 252  
Ion Ratio Lower Upper  
142 100  
127 7.9 36.6 54.8#  
141 0.0 12.2 18.4#

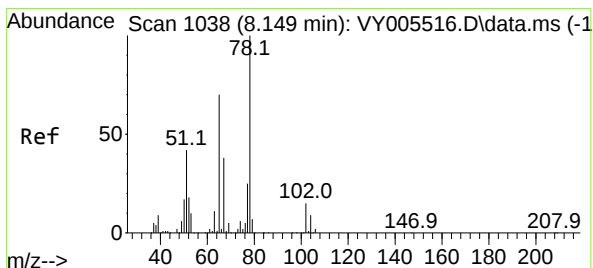
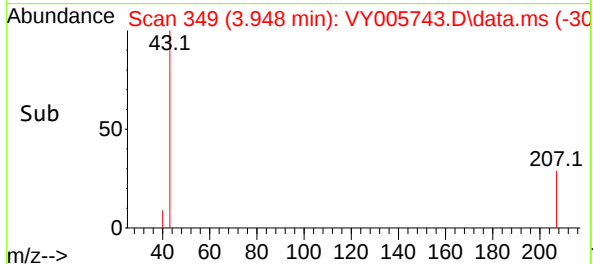
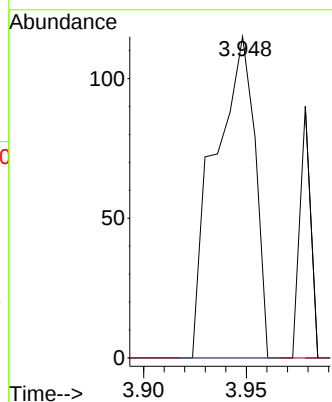
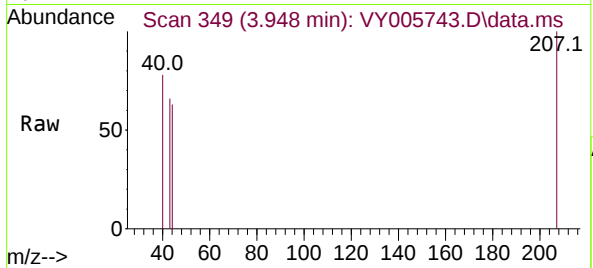




#16  
Acetone  
Concen: 17.194 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

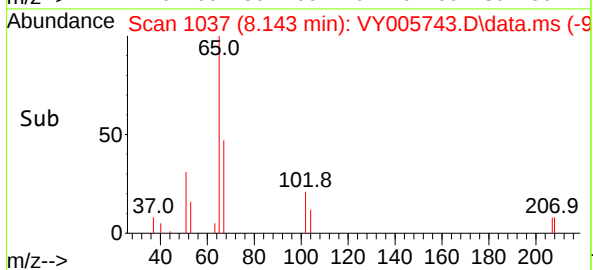
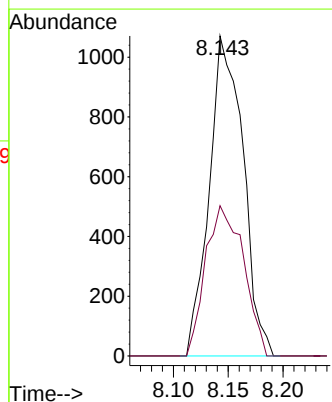
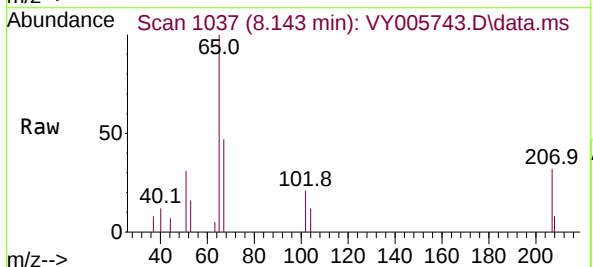
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

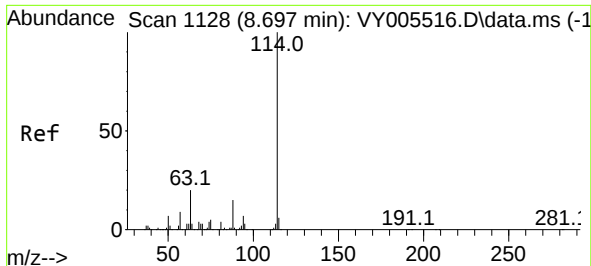
Tgt Ion: 43 Resp: 156  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.6#



#33  
1,2-Dichloroethane-d4  
Concen: 63.887 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

Tgt Ion: 65 Resp: 2299  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 103.4

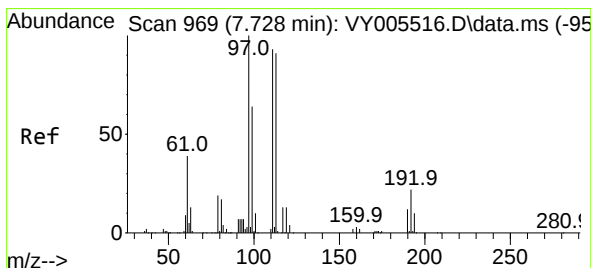
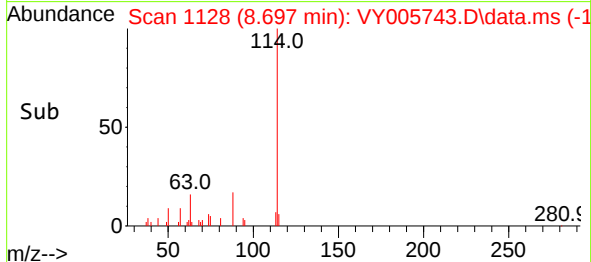
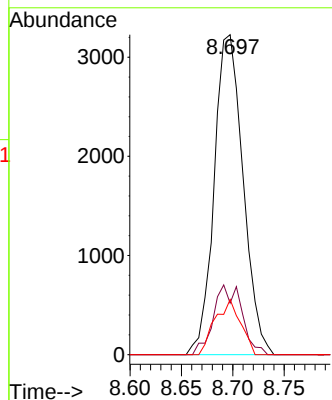
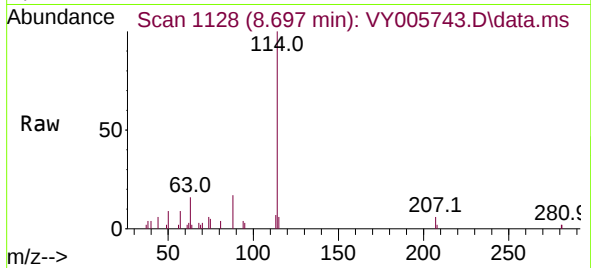




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

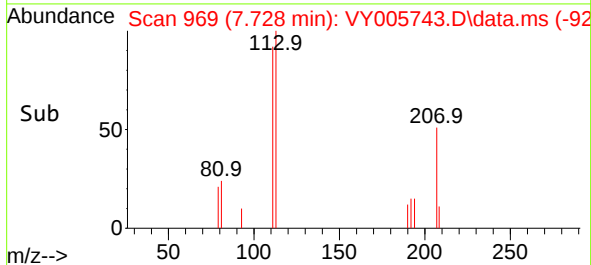
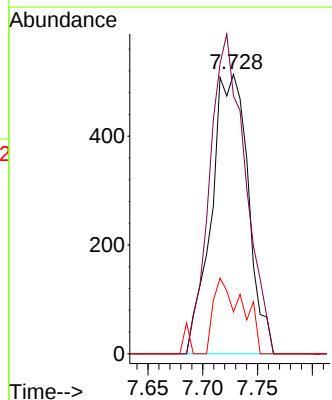
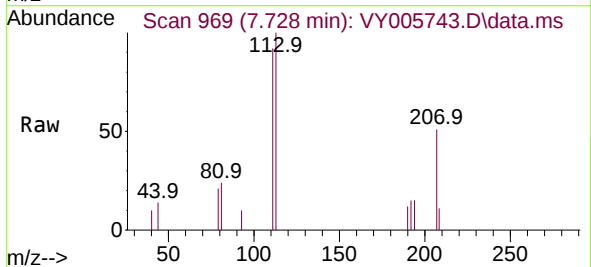
Instrument :  
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ClientSampleId :  
SB-04-6.5-7.0

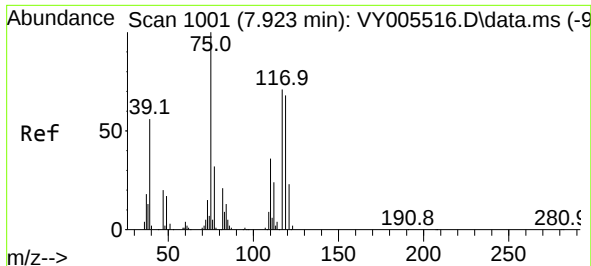
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 6310  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 16.1  | 0.0   | 39.2  |
| 88       | 17.3  | 0.0   | 30.8  |



#35  
Dibromofluoromethane  
Concen: 33.939 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 1199  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 110.5 | 81.9  | 122.9 |
| 192      | 21.3  | 19.2  | 28.8  |

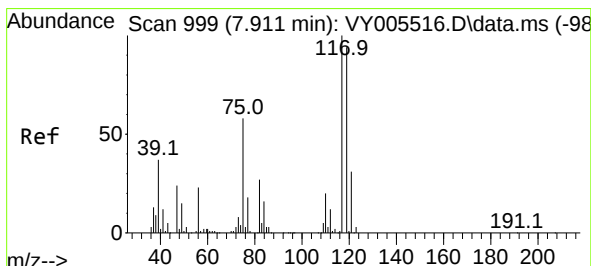
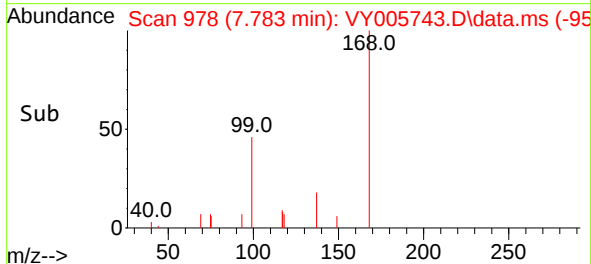
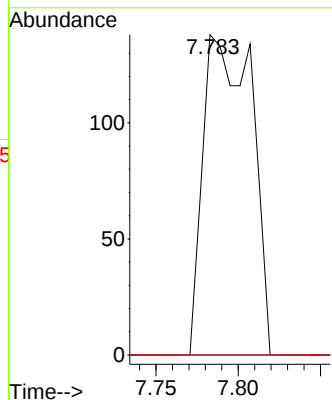
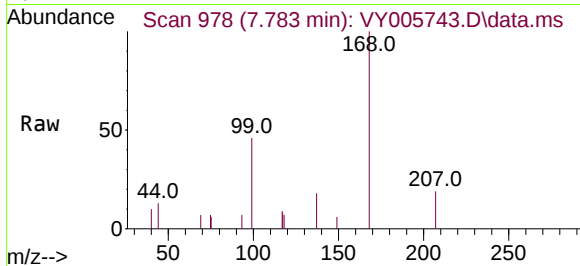




#36  
1,1-Dichloropropene  
Concen: 4.765 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.140 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

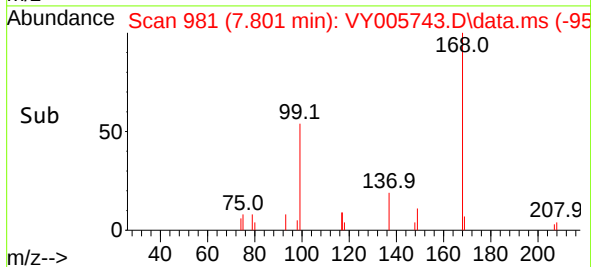
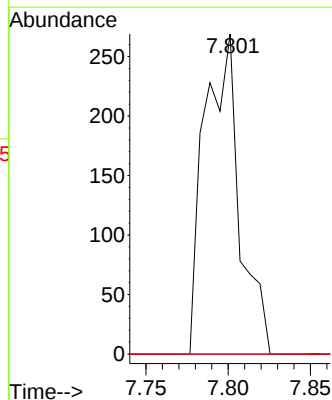
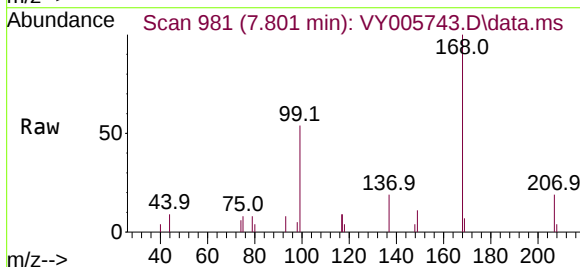
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

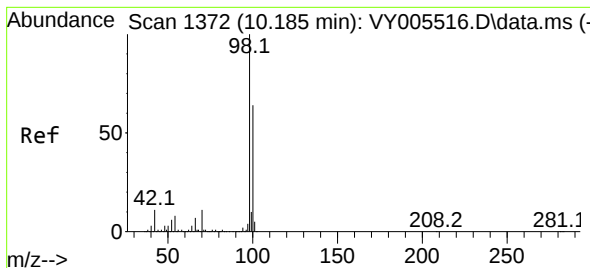
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 282        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 0.0   | 18.1 54.1# |
| 77          | 0.0   | 25.1 37.7# |



#38  
Carbon Tetrachloride  
Concen: 6.203 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 399         |
| Ion Ratio    | Lower | Upper       |
| 117          | 100   |             |
| 119          | 0.0   | 75.4 113.0# |
| 121          | 0.0   | 25.1 37.7#  |

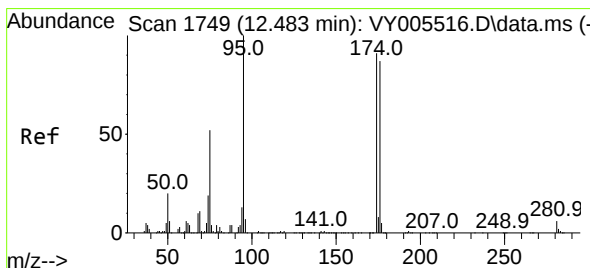
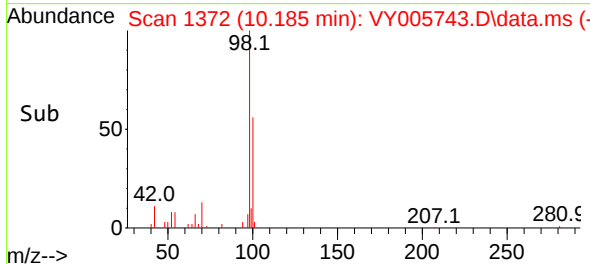
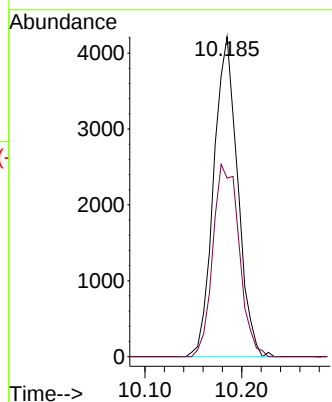
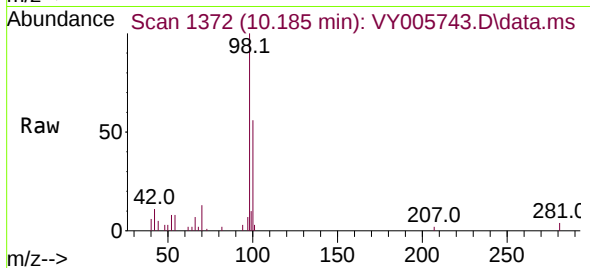




#50  
Toluene-d8  
Concen: 48.872 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

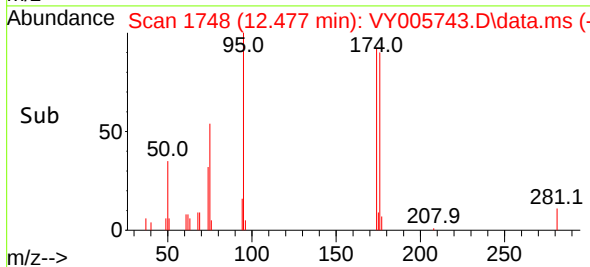
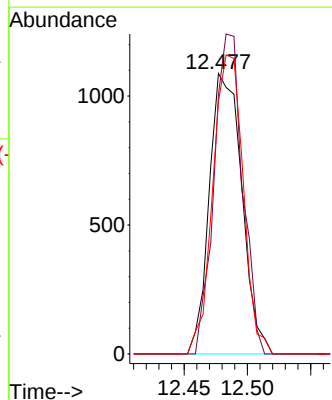
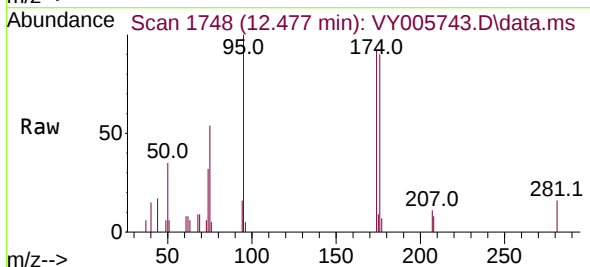
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ClientSampleId :  
SB-04-6.5-7.0

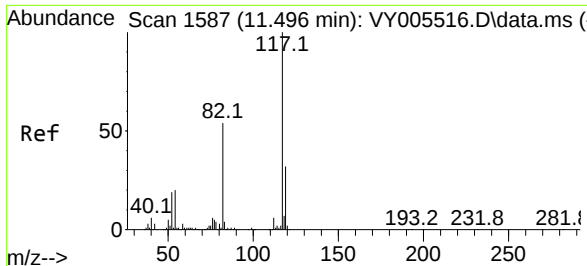
Tgt Ion: 98 Resp: 7241  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 39.601 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

Tgt Ion: 95 Resp: 1943  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 191.4  
176 99.3 0.0 183.6

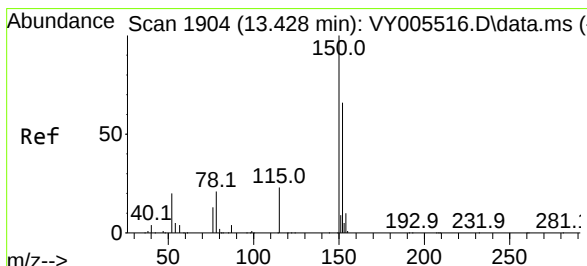
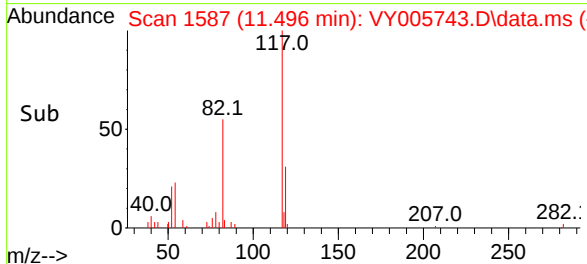
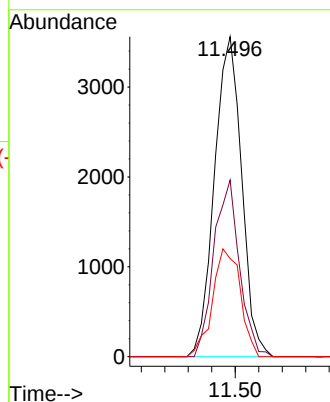
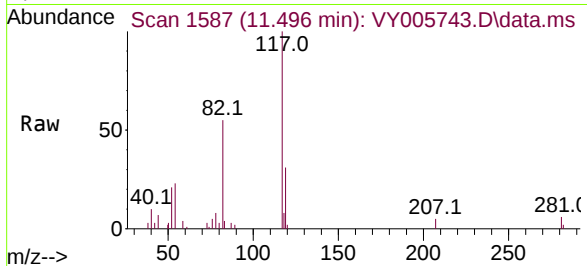




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

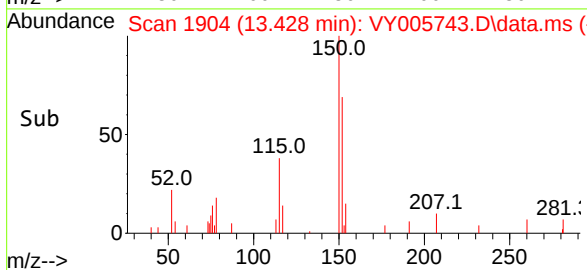
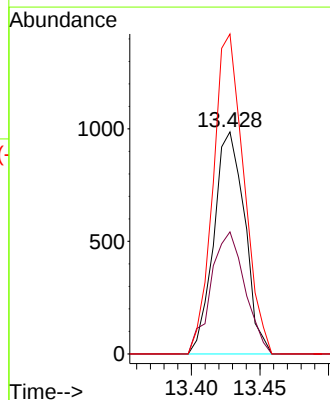
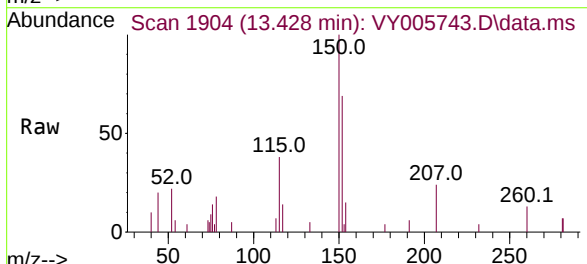
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

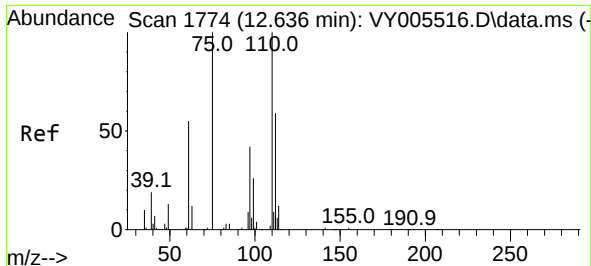
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5718  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.2  | 43.5  | 65.3  |
| 119      | 30.6  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1547  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.4  | 27.3  | 81.9  |
| 150      | 143.3 | 0.0   | 350.2 |

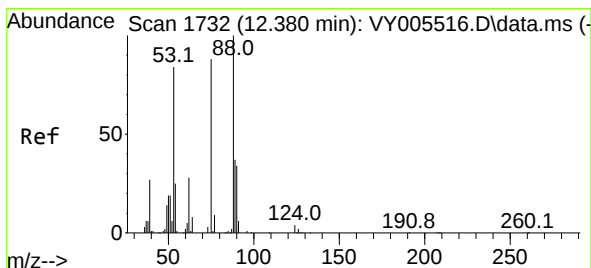
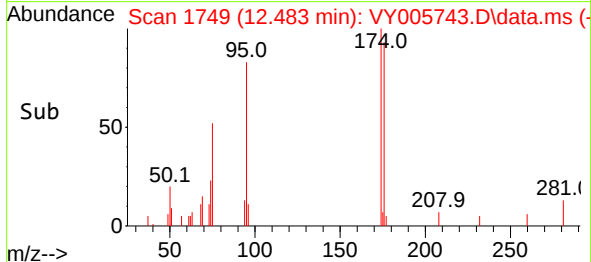
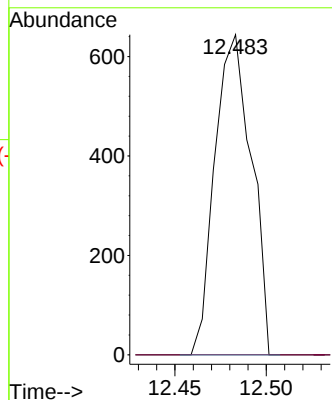
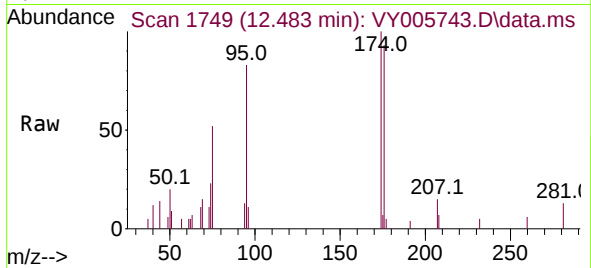




#76  
1,2,3-Trichloropropane  
Concen: 55.828 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

Tgt Ion: 75 Resp: 895  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.542 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005743.D  
Acq: 18 Aug 2021 16:31

Tgt Ion: 75 Resp: 895  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.0 38.4 57.6#

