

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
 Data File : VY006168.D  
 Acq On : 27 Sep 2021 17:07  
 Operator : SY/MD  
 Sample : M3916-07RE  
 Misc : 5.09G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CONC-3

Quant Time: Sep 28 06:22:05 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

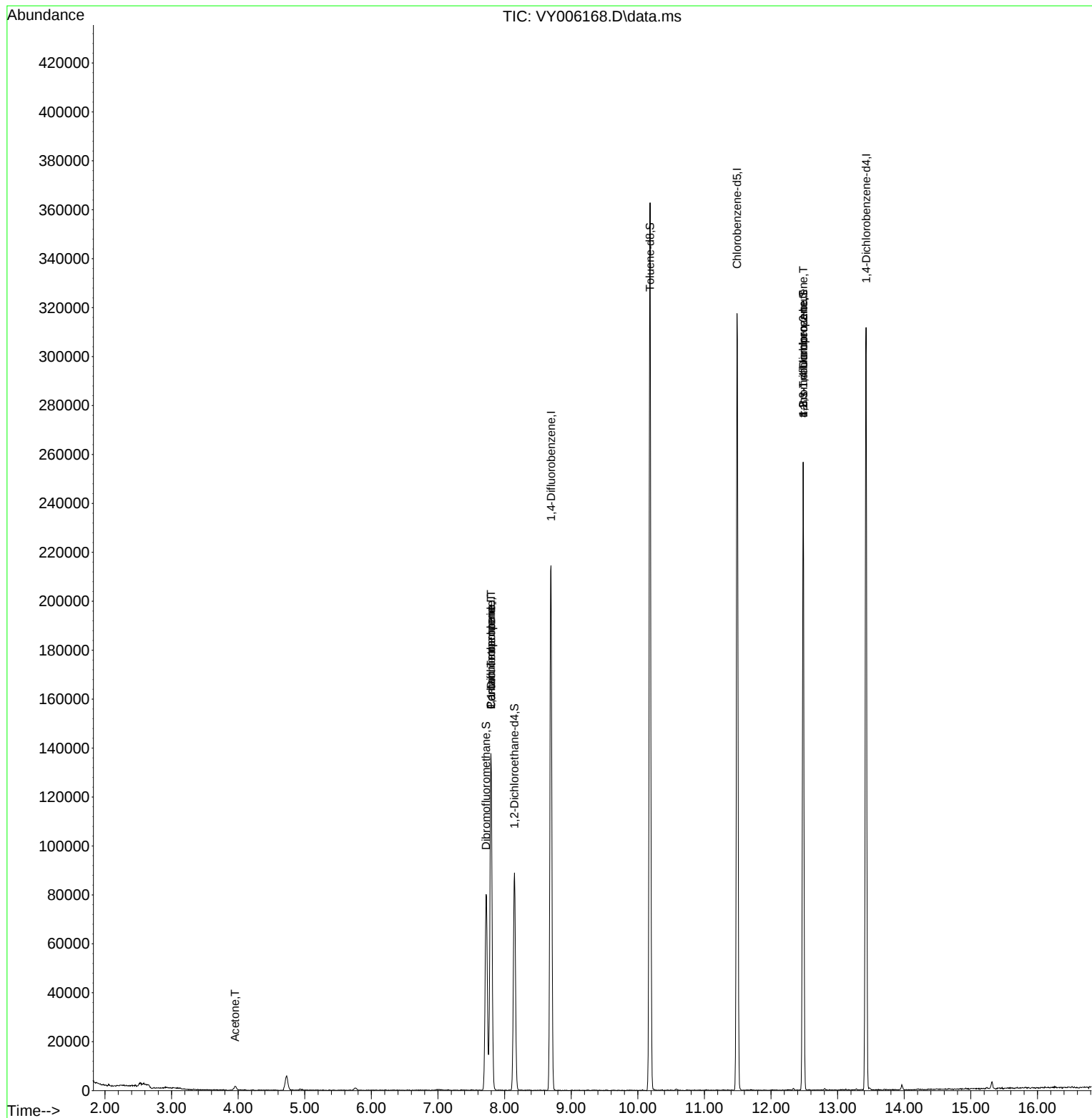
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 109794   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 178113   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 168242   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 79834    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 75715    | 49.646    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 99.300%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 52901    | 47.818    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 95.640%  |
| 50) Toluene-d8                | 10.185 | 98    | 225358   | 47.795    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 95.600%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 68357    | 42.701    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 85.400%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.960  | 59    | 184      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.954  | 43    | 2955     | 7.064     | ug/l   | 99       |
| 20) Methylene Chloride        | 4.722  | 84    | 4036     | Below Cal |        | 86       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 8364     | 4.351     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 10357    | 4.949     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 39652    | 46.585    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 39652    | 85.646    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

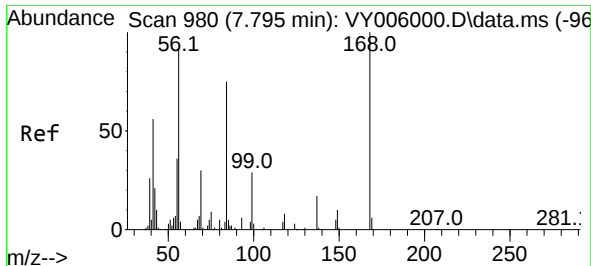
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
Quant Title : SW846 8260  
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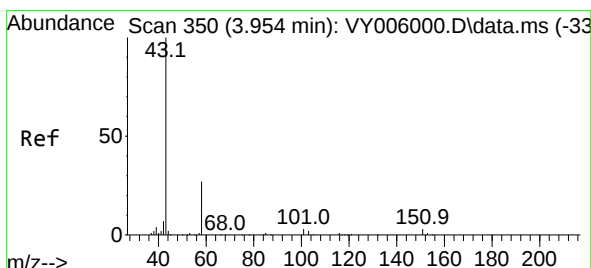
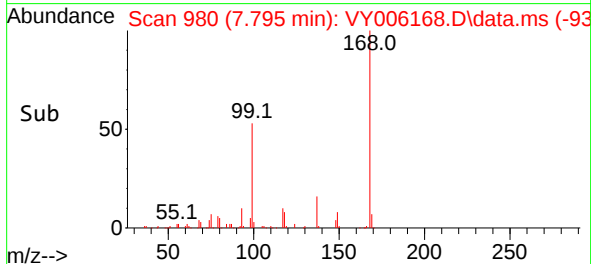
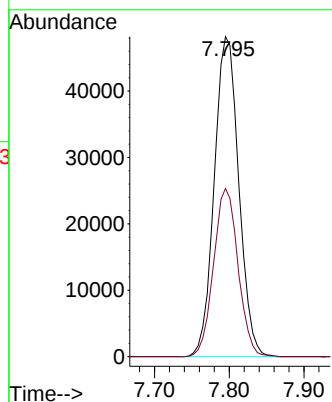
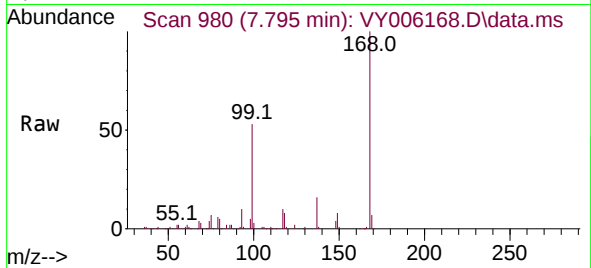




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

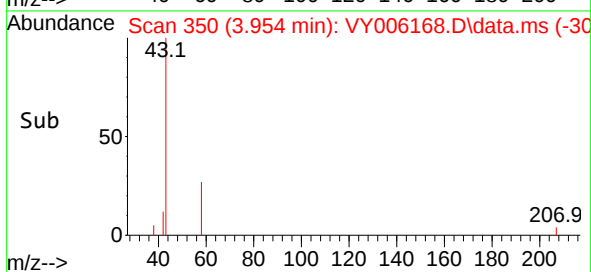
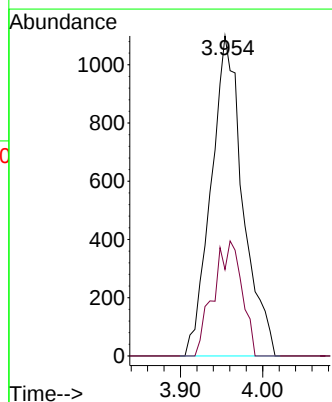
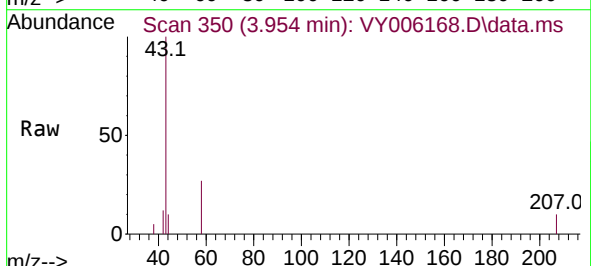
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CONC-3

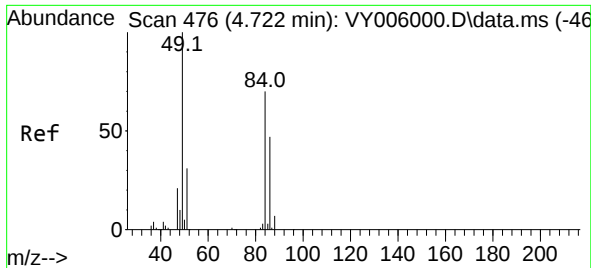
Tgt Ion:168 Resp: 109794  
Ion Ratio Lower Upper  
168 100  
99 52.6 46.9 70.3



#16  
Acetone  
Concen: 7.064 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Tgt Ion: 43 Resp: 2955  
Ion Ratio Lower Upper  
43 100  
58 27.0 22.0 33.0

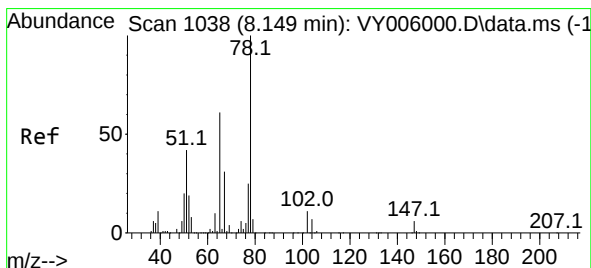
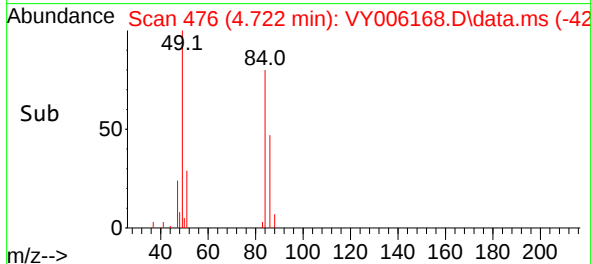
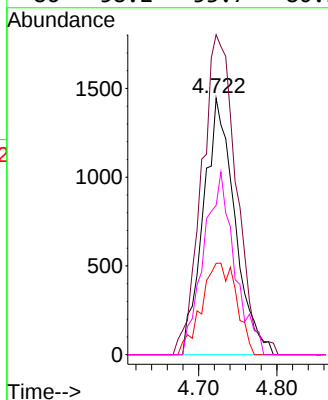
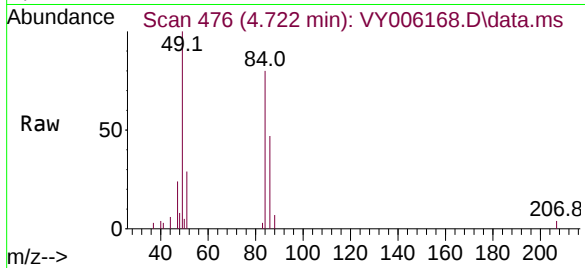




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

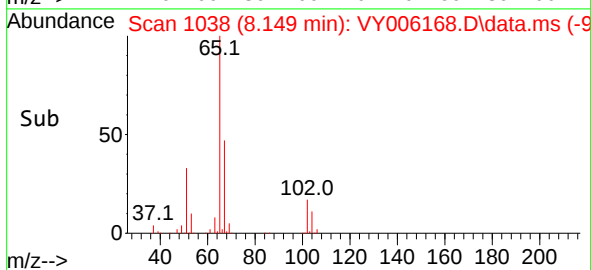
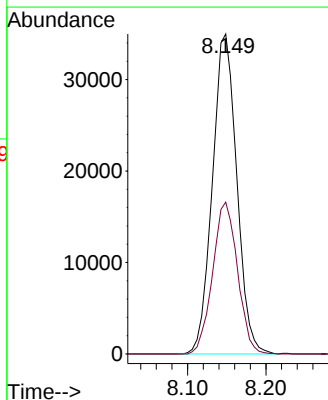
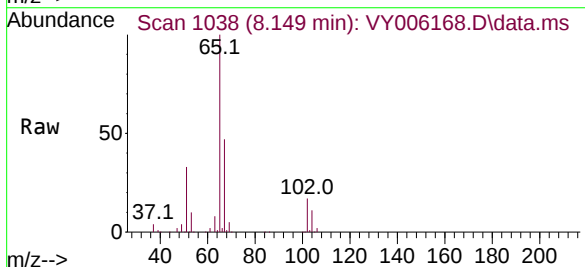
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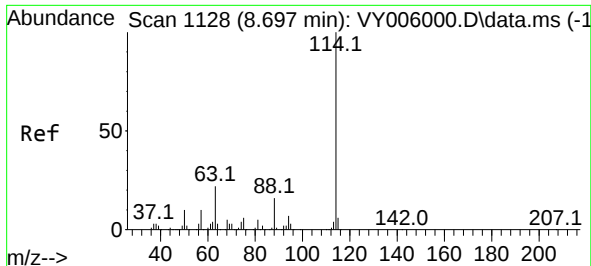
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4036  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.8 | 114.4 | 171.6 |
| 51       | 35.6  | 35.3  | 52.9  |
| 86       | 58.2  | 53.7  | 80.5  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.646 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 75715 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 48.3  | 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: VY006168.D

Acq: 27 Sep 2021 17:07

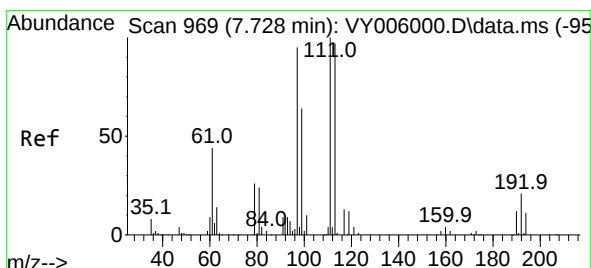
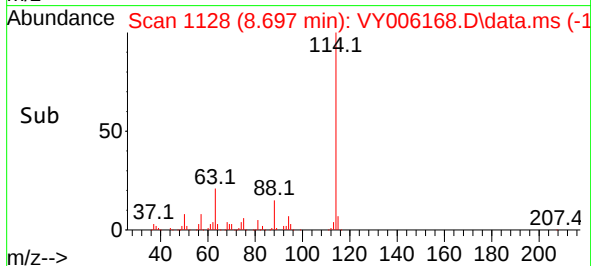
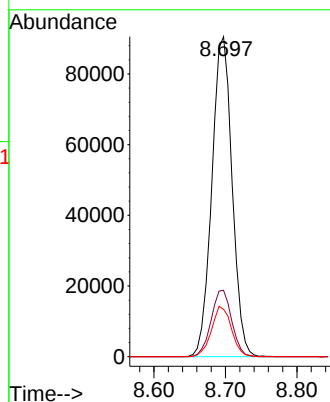
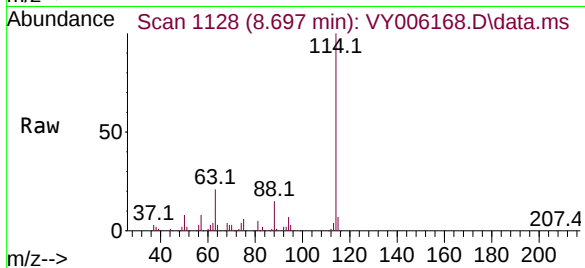
Instrument :

MSVOA\_Y

ClientSampleId :

CONC-3

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 178113      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.8  | 0.0 43.2    |
| 88          | 14.8  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 47.818 ug/l

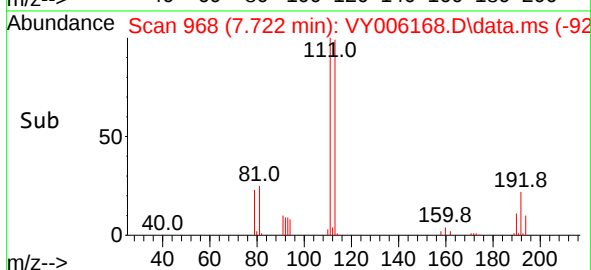
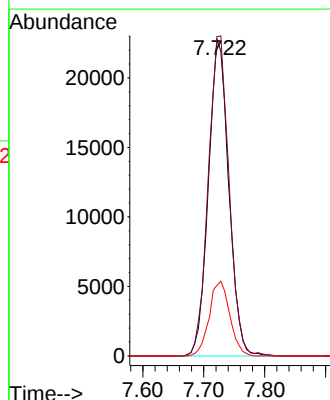
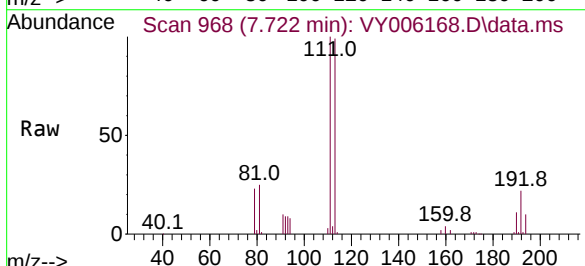
RT: 7.722 min Scan# 968

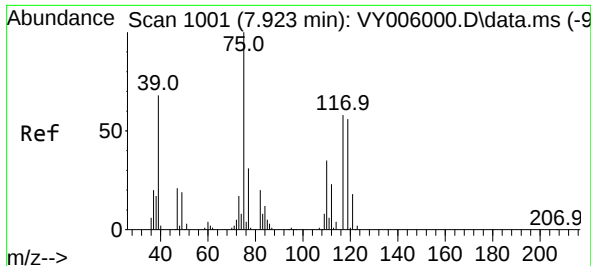
Delta R.T. -0.006 min

Lab File: VY006168.D

Acq: 27 Sep 2021 17:07

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 52901       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 102.9 | 82.6 124.0  |
| 192         | 23.8  | 17.6 26.4   |

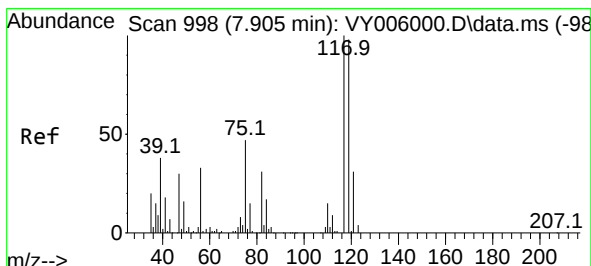
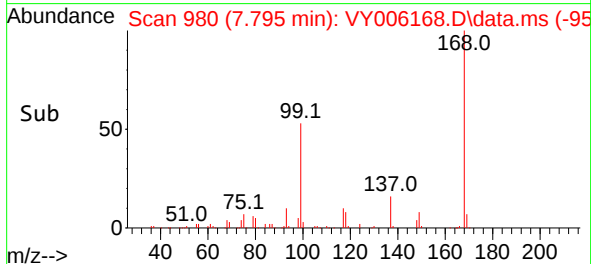
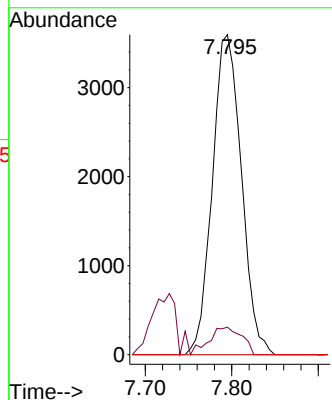
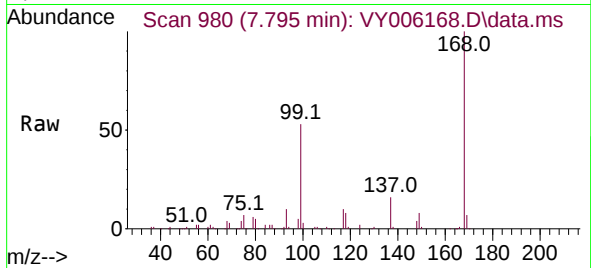




#36  
1,1-Dichloropropene  
Concen: 4.351 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

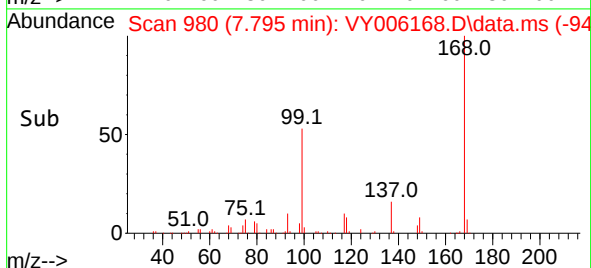
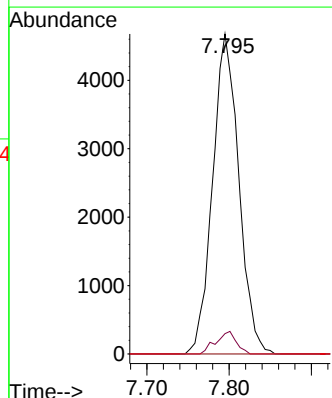
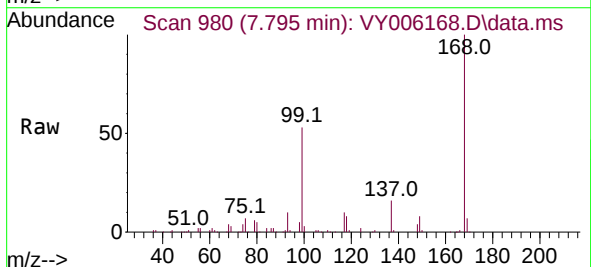
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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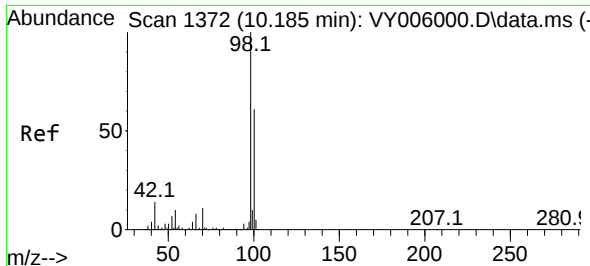
Tgt Ion: 75 Resp: 8364  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.949 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Tgt Ion: 117 Resp: 10357  
Ion Ratio Lower Upper  
117 100  
119 6.4 77.9 116.9#  
121 0.0 24.8 37.2#

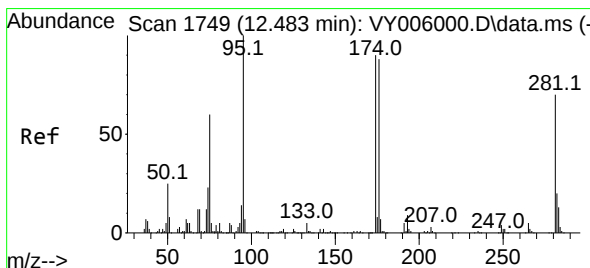
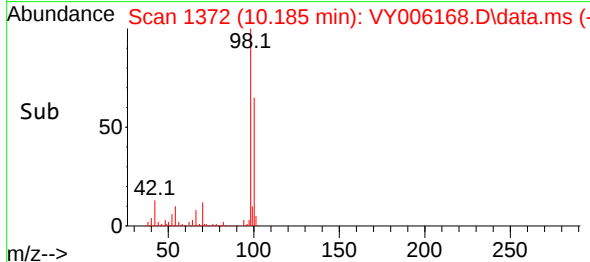
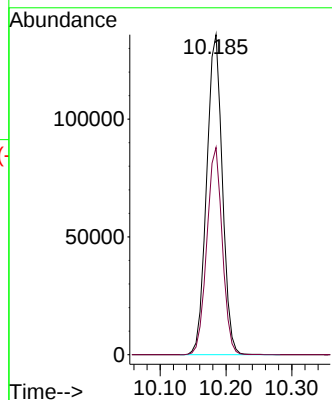
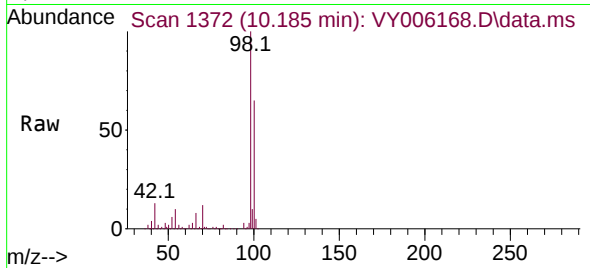




#50  
Toluene-d8  
Concen: 47.795 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

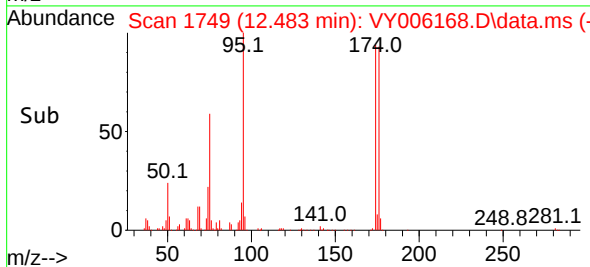
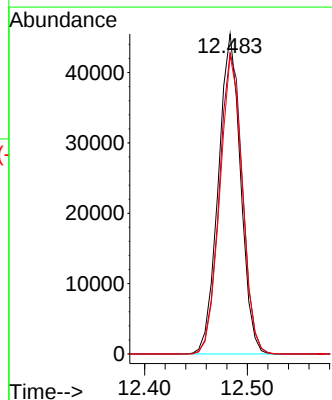
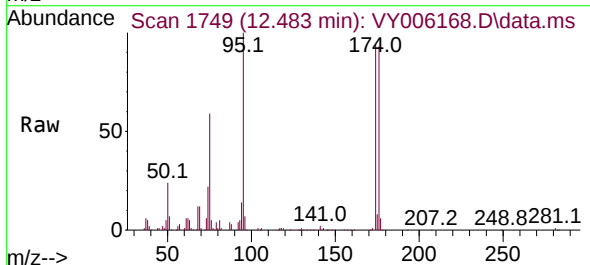
Instrument :  
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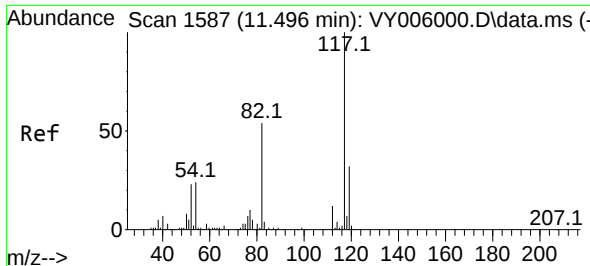
Tgt Ion: 98 Resp: 225358  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 42.701 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Tgt Ion: 95 Resp: 68357  
Ion Ratio Lower Upper  
95 100  
174 97.5 0.0 177.0  
176 94.3 0.0 175.8

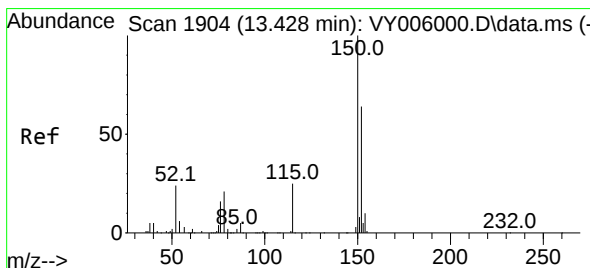
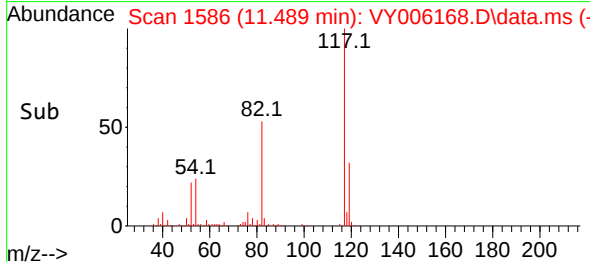
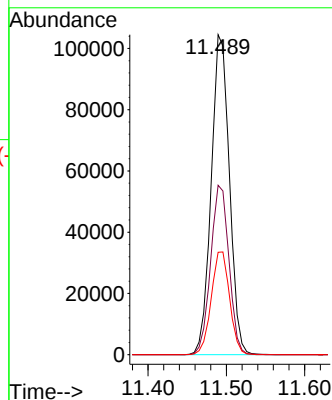
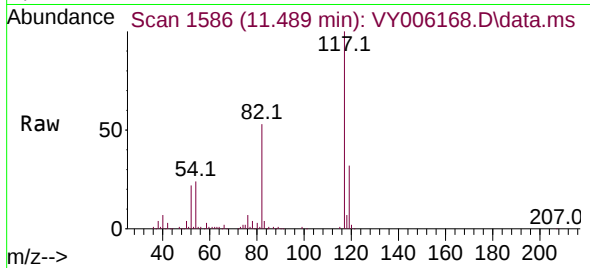




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

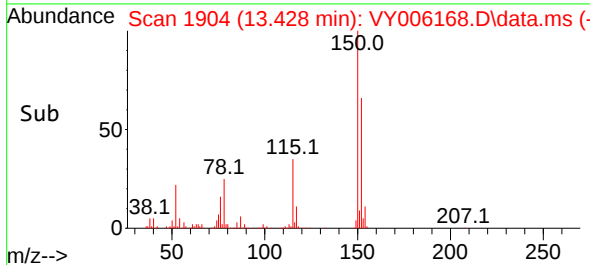
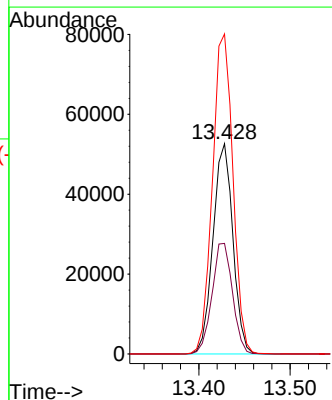
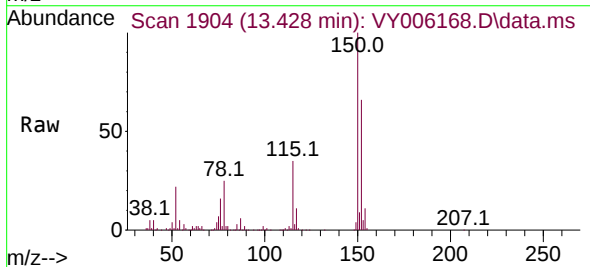
Instrument :  
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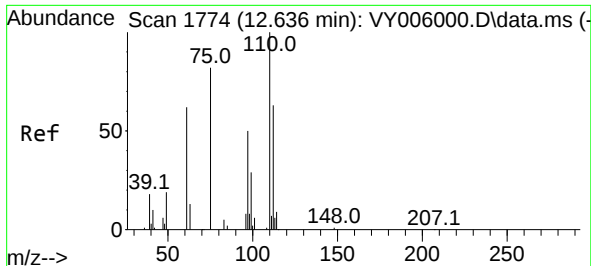
Tgt Ion:117 Resp: 168242  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.0 64.4  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Tgt Ion:152 Resp: 79834  
Ion Ratio Lower Upper  
152 100  
115 54.1 28.2 84.7  
150 156.4 0.0 347.6

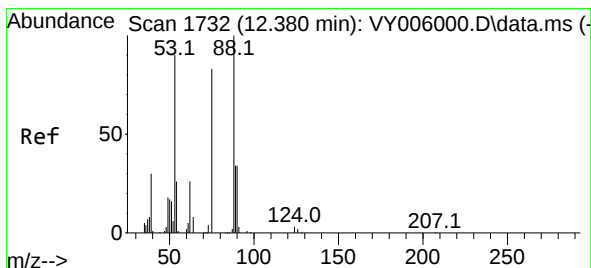
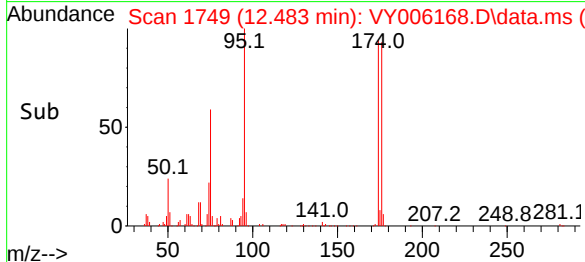
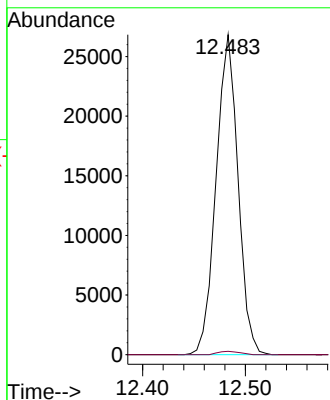
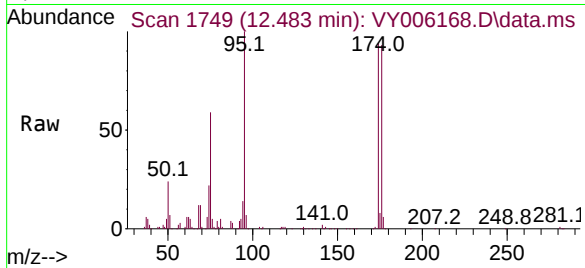




#76  
1,2,3-Trichloropropane  
Concen: 46.585 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion: 75 Resp: 39652  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.646 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006168.D  
Acq: 27 Sep 2021 17:07

Tgt Ion: 75 Resp: 39652  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

