

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
 Data File : VY005769.D  
 Acq On : 19 Aug 2021 15:11  
 Operator : SY/MD  
 Sample : M3467-10  
 Misc : 3.91G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SAMPLE-7-(291.00)-VOC-GRAB

Quant Time: Aug 20 06:56:41 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

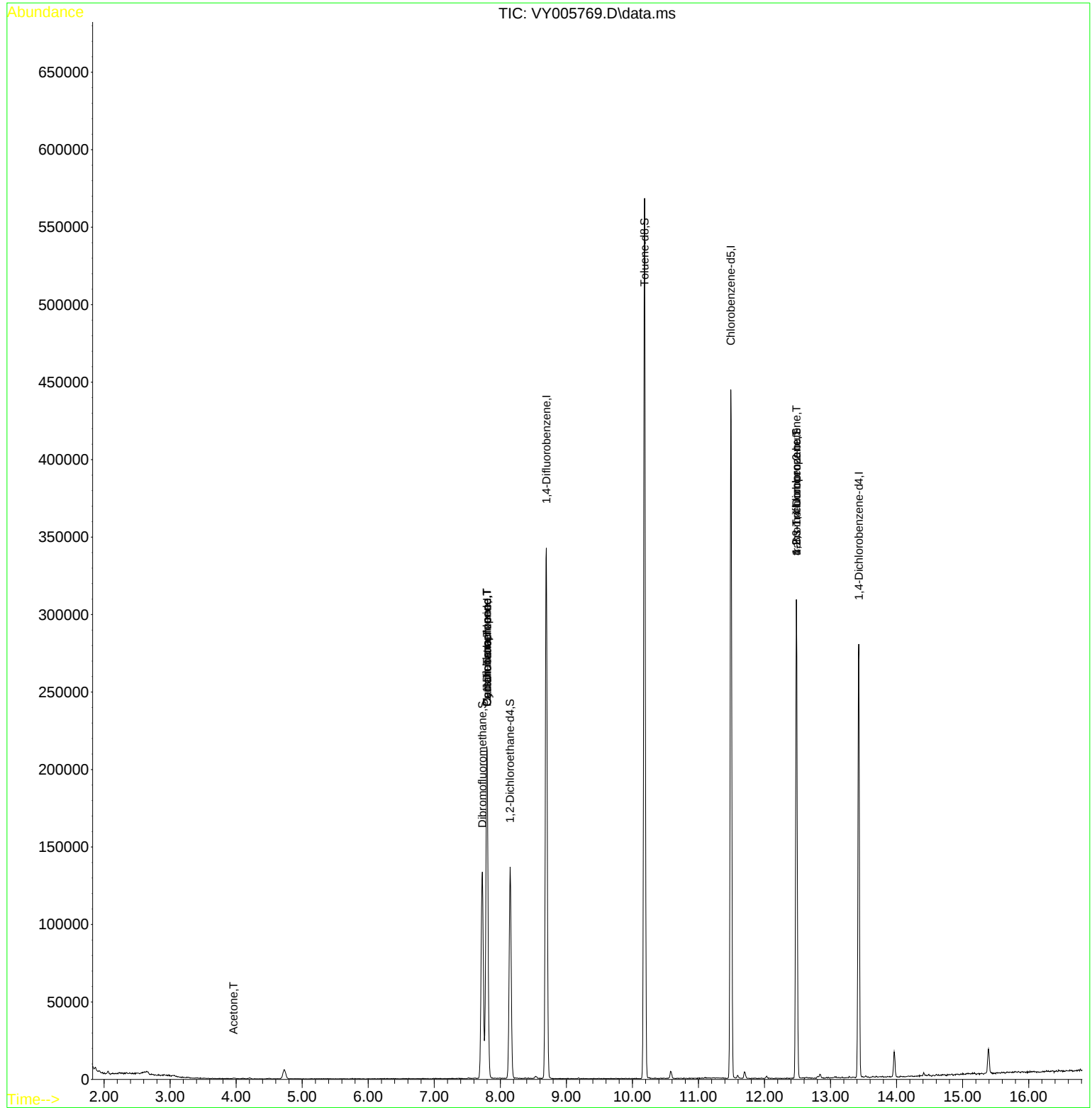
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 175884   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 292192   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 240755   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 72873    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 108854   | 61.141    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 122.280% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 91081    | 55.676    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 111.360% |          |
| 50) Toluene-d8                | 10.185 | 98    | 366344   | 53.396    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 106.800% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 81131    | 35.709    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 71.420%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.960  | 43    | 681      | 1.517     | ug/l       | 96       |
| 20) Methylene Chloride        | 4.728  | 84    | 4504     | Below Cal |            | 98       |
| 31) Cyclohexane               | 7.801  | 56    | 3640     | 1.192     | ug/l #     | 2        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 12757    | 4.655     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 16230    | 5.449     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 44344    | 58.720    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 44344    | 118.372   | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

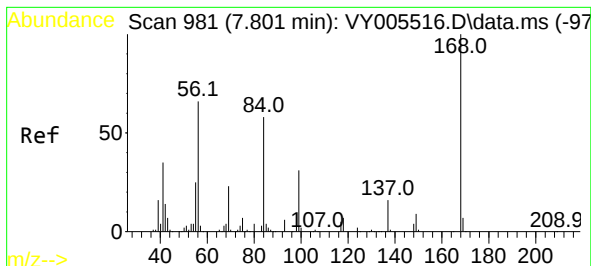
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY005769.D

Acq: 19 Aug 2021 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

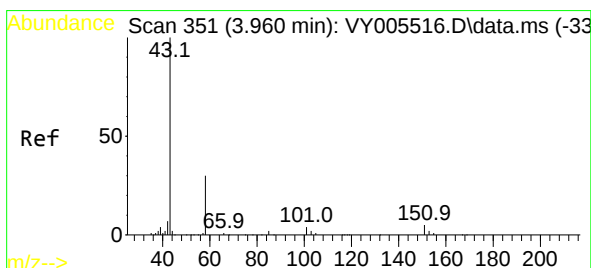
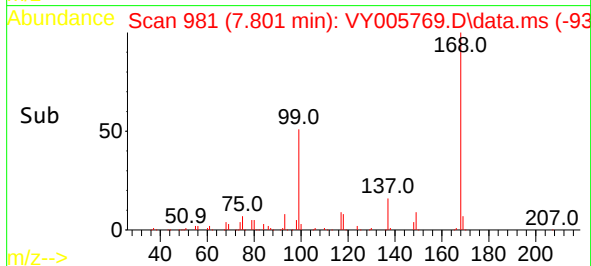
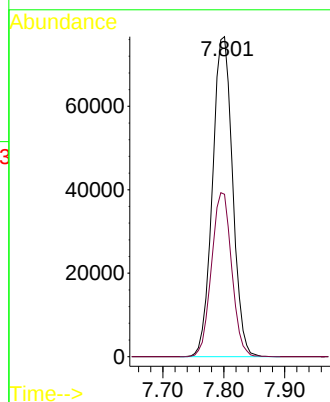
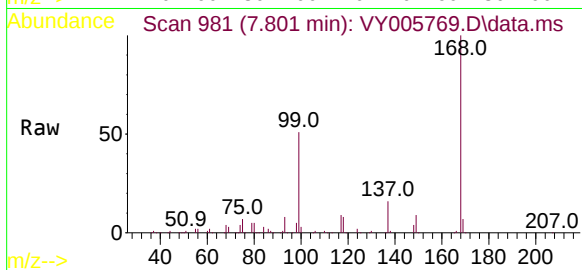
SAMPLE-7-(291.00)-VOC-GRAB

Tgt Ion:168 Resp: 175884

Ion Ratio Lower Upper

168 100

99 50.7 38.9 58.3



#16

Acetone

Concen: 1.517 ug/l

RT: 3.960 min Scan# 351

Delta R.T. -0.000 min

Lab File: VY005769.D

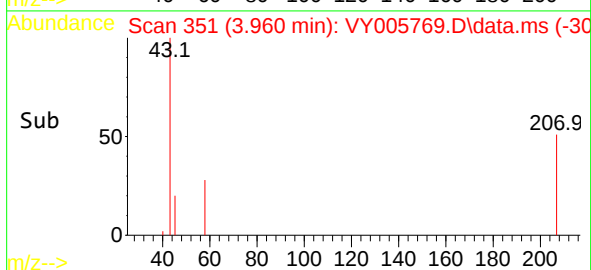
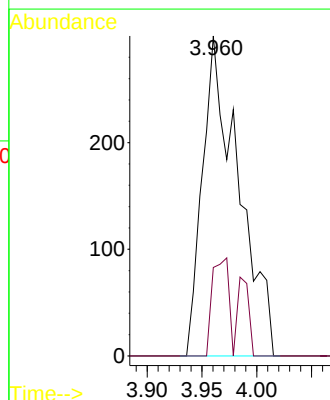
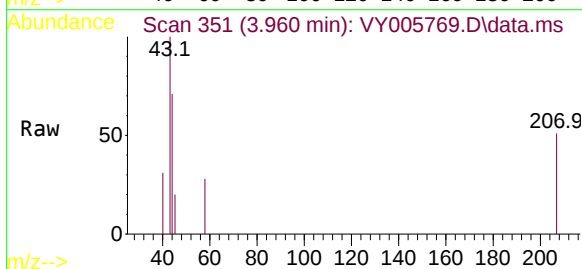
Acq: 19 Aug 2021 15:11

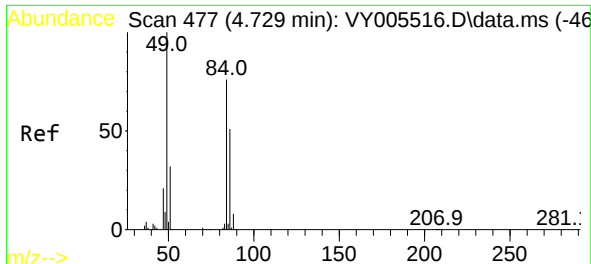
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.728 min Scan# 477

Delta R.T. -0.001 min

Lab File: VY005769.D

Acq: 19 Aug 2021 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-7-(291.00)-VOC-GRAB

Tgt Ion: 84 Resp: 4504

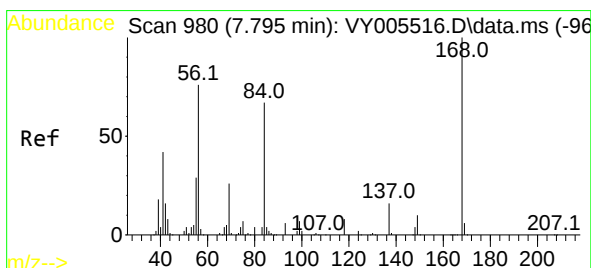
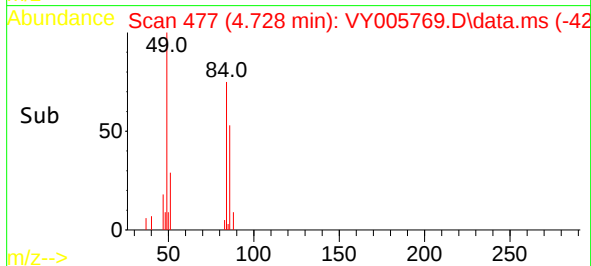
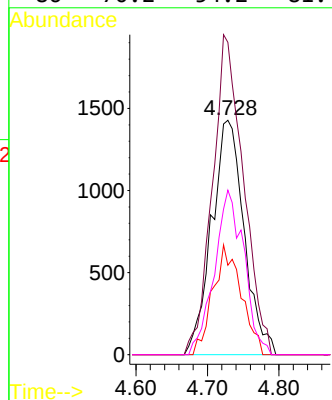
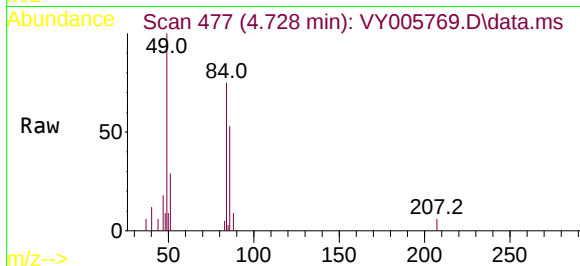
Ion Ratio Lower Upper

84 100

49 133.2 105.8 158.6

51 38.2 33.4 50.2

86 70.2 54.2 81.4



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005769.D

Acq: 19 Aug 2021 15:11

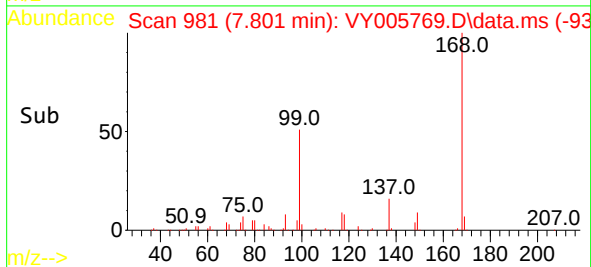
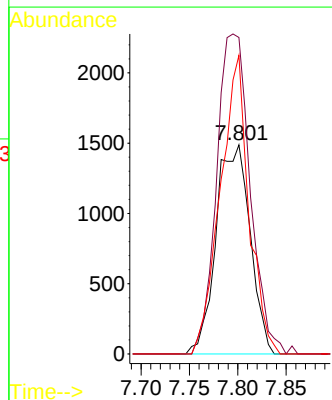
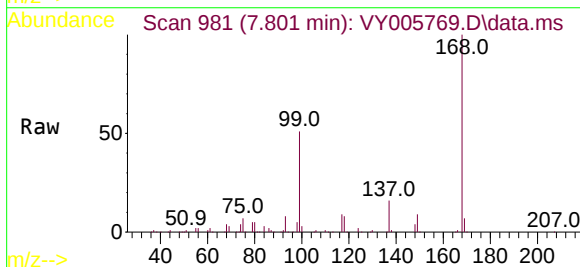
Tgt Ion: 56 Resp: 3640

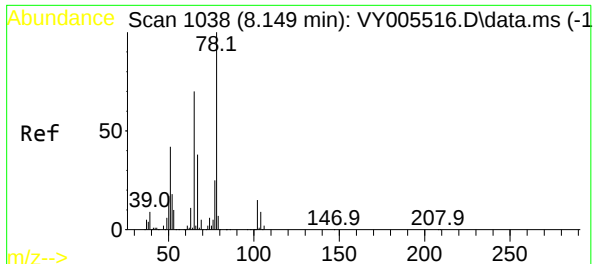
Ion Ratio Lower Upper

56 100

69 151.3 27.7 41.5#

84 142.7 70.9 106.3#

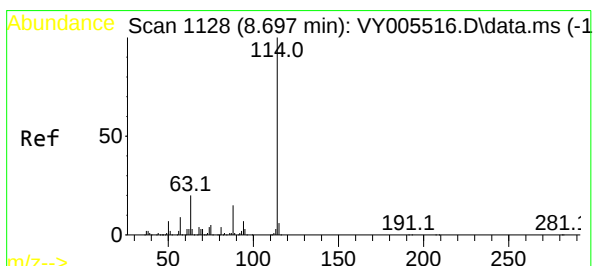
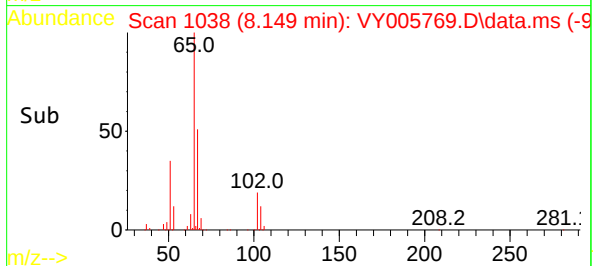
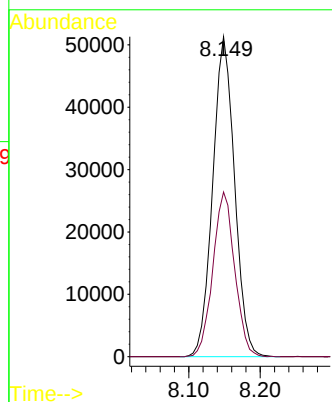
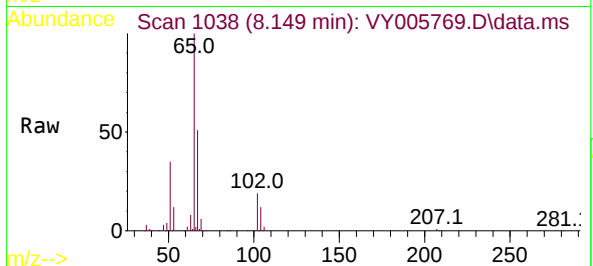




#33  
1,2-Dichloroethane-d4  
Concen: 61.141 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

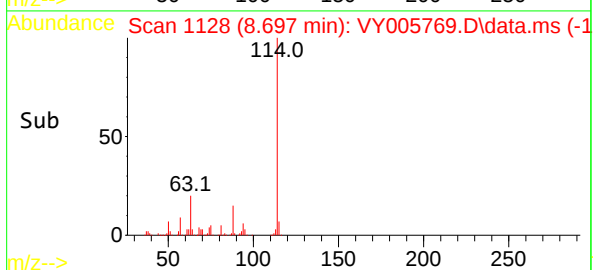
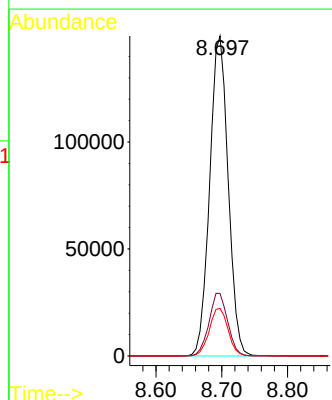
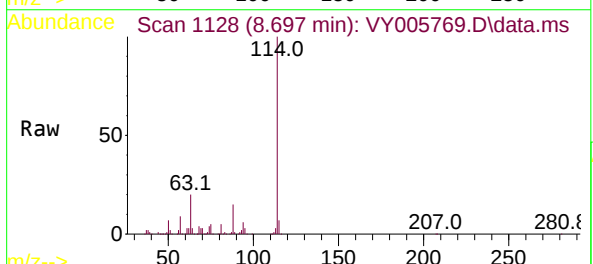
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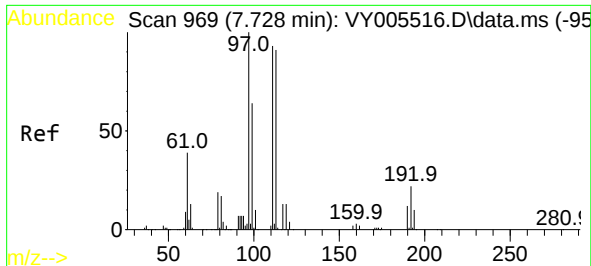
Tgt Ion: 65 Resp: 108854  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

Tgt Ion: 114 Resp: 292192  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 39.2  
88 14.9 0.0 30.8

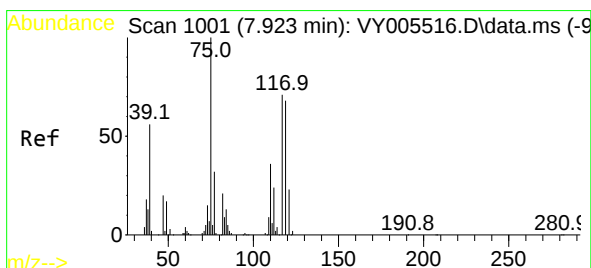
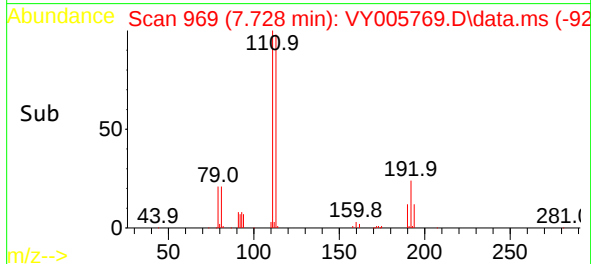
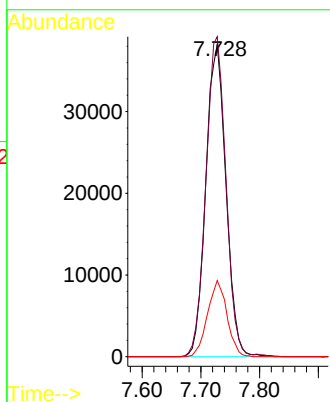
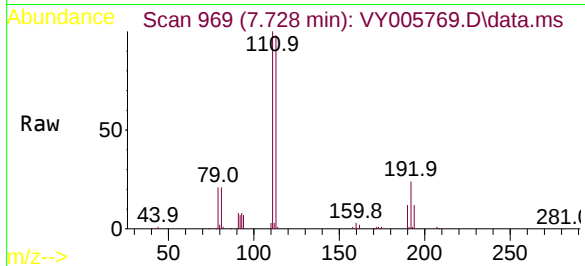




#35  
Dibromofluoromethane  
Concen: 55.676 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

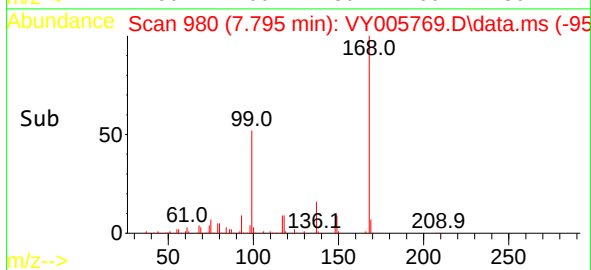
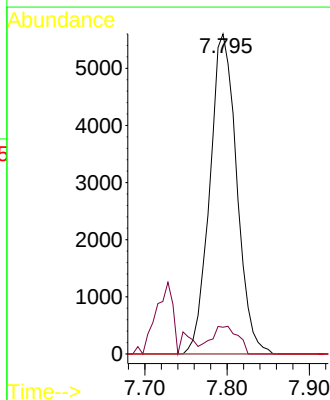
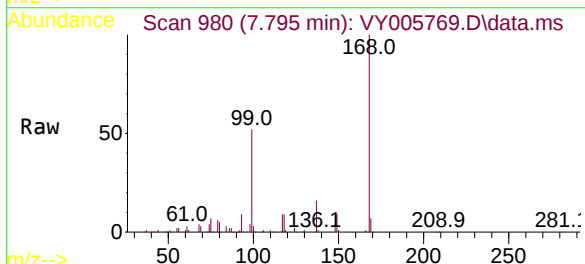
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-7-(291.00)-VOC-GRAB

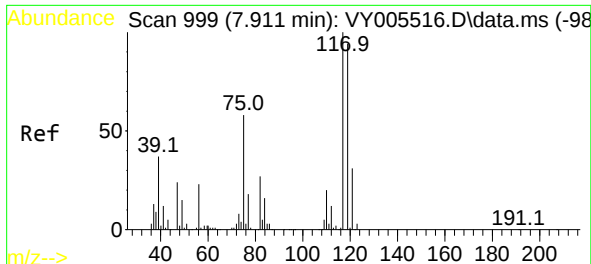
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 91081 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.4 | 81.9  | 122.9 |
| 192      | 23.5  | 19.2  | 28.8  |



#36  
1,1-Dichloropropene  
Concen: 4.655 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

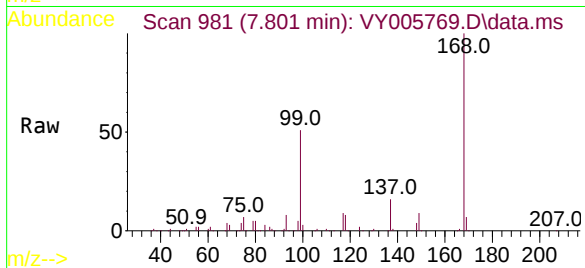
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12757 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.7   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |



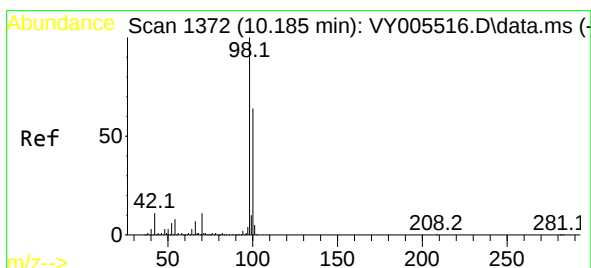
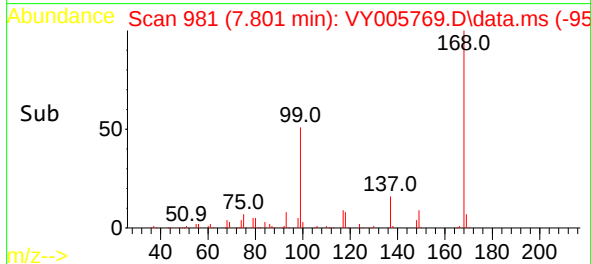
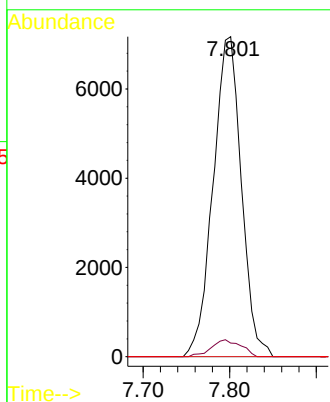


#38  
Carbon Tetrachloride  
Concen: 5.449 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-7-(291.00)-VOC-GRAB

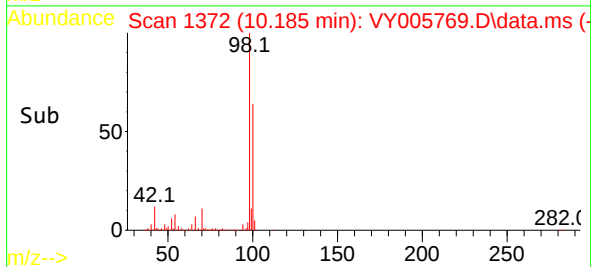
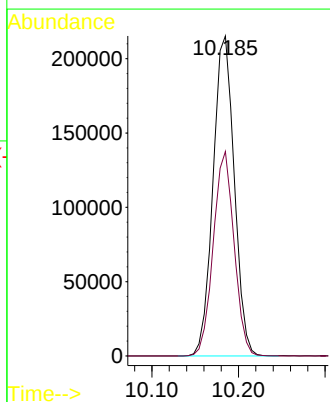
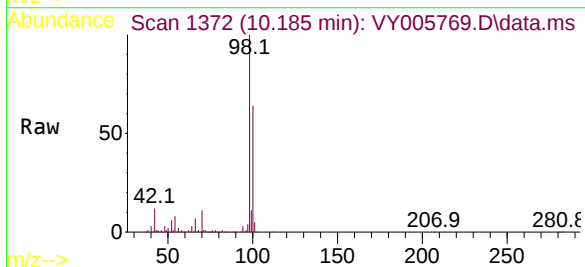


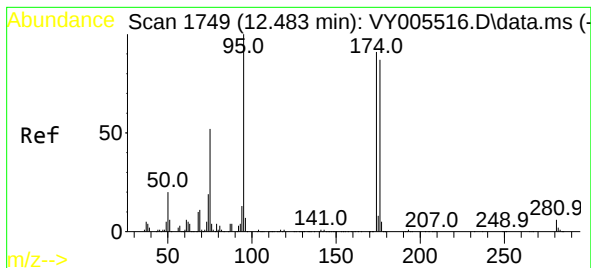
Tgt Ion:117 Resp: 16230  
Ion Ratio Lower Upper  
117 100  
119 4.3 75.4 113.0#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 53.396 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

Tgt Ion: 98 Resp: 366344  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.3 76.9

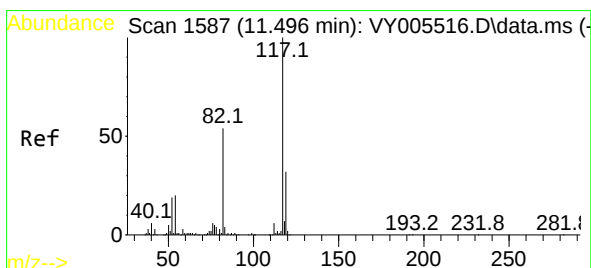
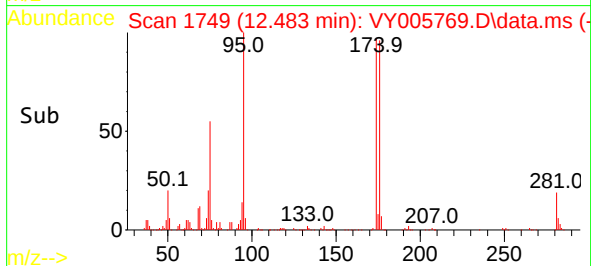
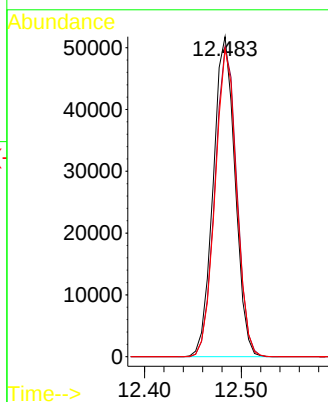
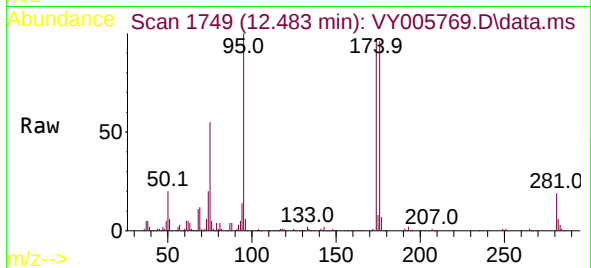




#62  
4-Bromofluorobenzene  
Concen: 35.709 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

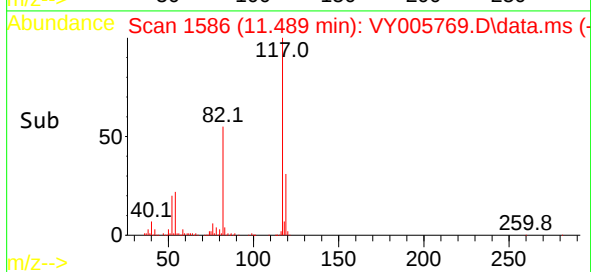
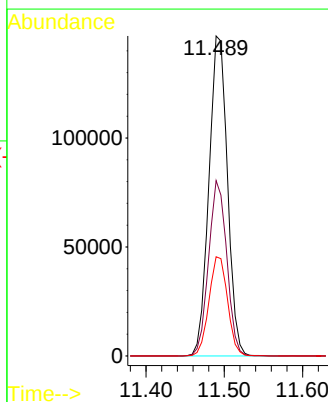
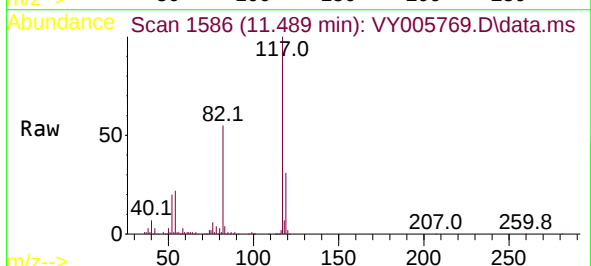
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-7-(291.00)-VOC-GRAB

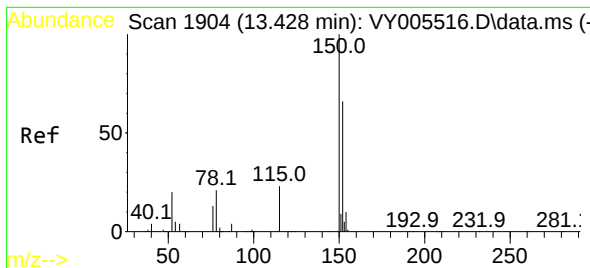
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 81131 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 96.6  | 0.0   | 191.4 |
| 176       | 94.0  | 0.0   | 183.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 240755 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.8  | 43.5  | 65.3   |
| 119       | 31.0  | 25.5  | 38.3   |

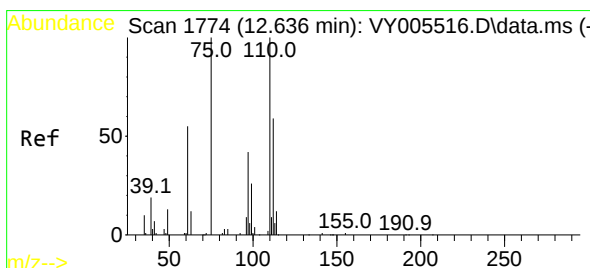
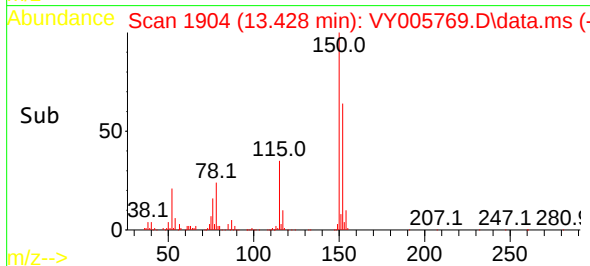
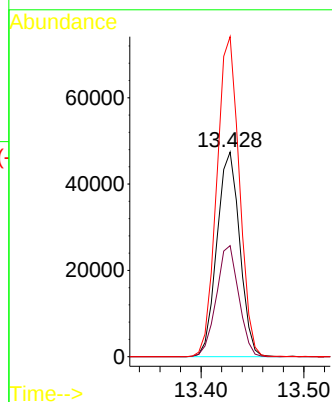
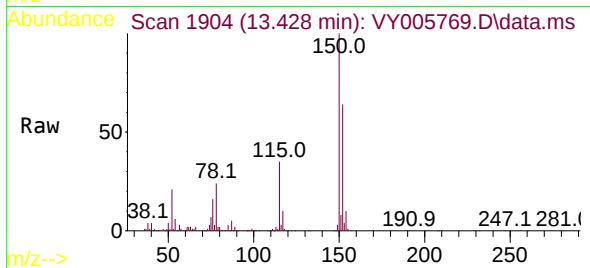




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

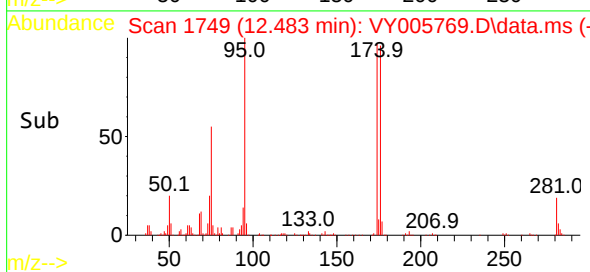
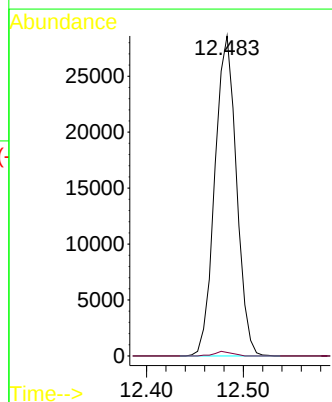
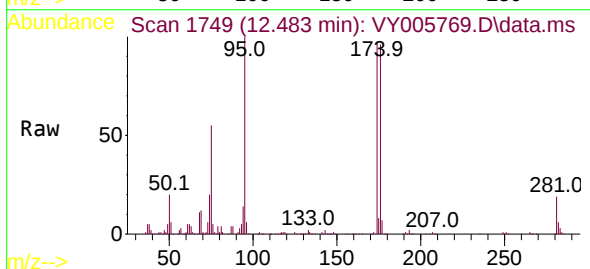
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-7-(291.00)-VOC-GRAB

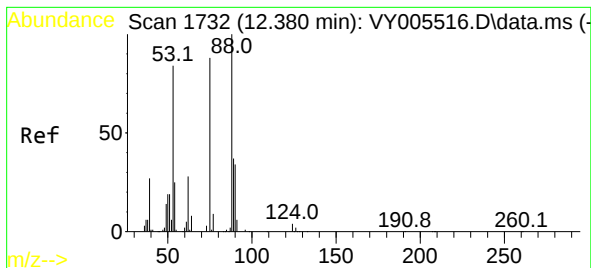
Tgt Ion:152 Resp: 72873  
Ion Ratio Lower Upper  
152 100  
115 53.5 27.3 81.9  
150 154.6 0.0 350.2



#76  
1,2,3-Trichloropropane  
Concen: 58.720 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

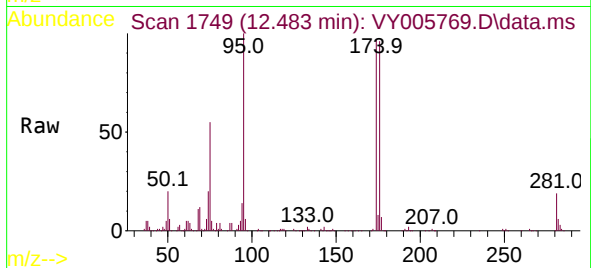
Tgt Ion: 75 Resp: 44344  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.372 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005769.D  
Acq: 19 Aug 2021 15:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-7-(291.00)-VOC-GRAB



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.1   | 76.7  | 115.1# |
| 89      | 0.1   | 38.4  | 57.6#  |

