

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102822\  
 Data File : VY011181.D  
 Acq On : 29 Oct 2022 01:59  
 Operator : KP/MD  
 Sample : N5310-05  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BIN 1-2-(2840)-VOC-1

Quant Time: Oct 29 06:47:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 23:42:14 2022  
 Response via : Initial Calibration

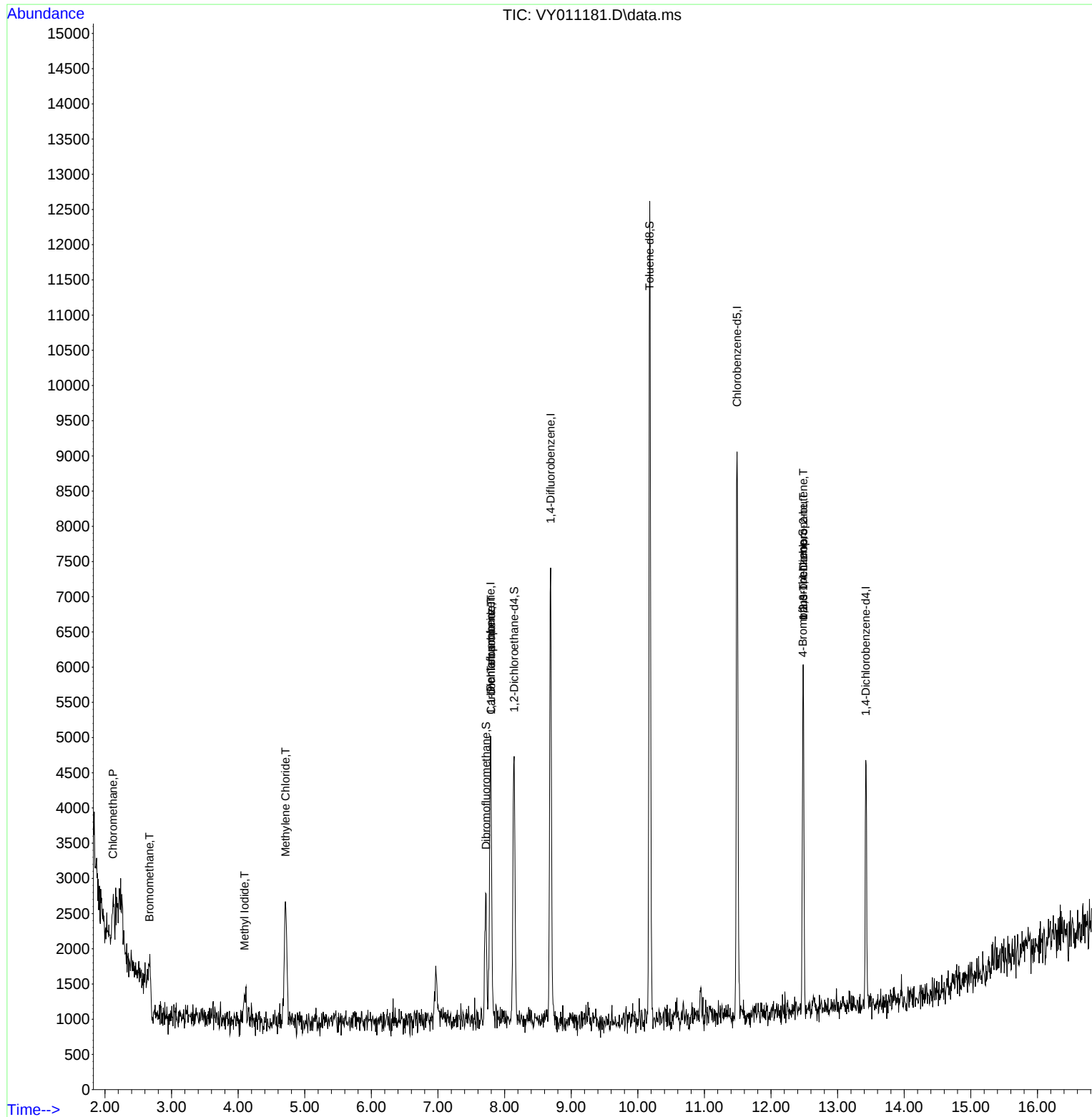
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 3706     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 5980     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 4896     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 1060     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 3182     | 83.036   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 166.080%# |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 1374     | 37.363   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 74.720%   |          |
| 50) Toluene-d8                | 10.179    | 98    | 8341     | 57.252   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 114.500%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 1788     | 37.507   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 75.020%   |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 3) Chloromethane              | 2.119     | 50    | 162      | 3.079    | ug/l        | 95       |
| 5) Bromomethane               | 2.668     | 94    | 203      | 7.017    | ug/l        | # 73     |
| 10) Methyl Iodide             | 4.094     | 142   | 563      | 15.535   | ug/l        | # 63     |
| 20) Methylene Chloride        | 4.710     | 84    | 1408     | 34.257   | ug/l        | # 86     |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 279      | 5.819    | ug/l        | # 42     |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 379      | 7.258    | ug/l        | # 11     |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 989      | 89.742   | ug/l        | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 989      | 190.582  | ug/l        | # 7      |
| -----                         |           |       |          |          |             |          |

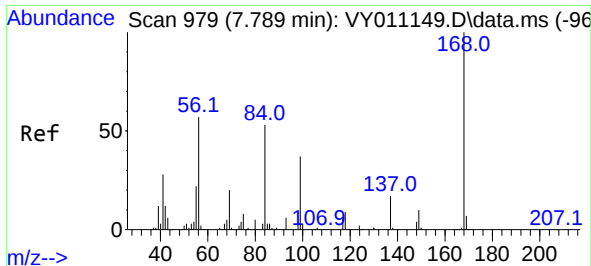
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BIN 1-2-(2840)-VOC-1

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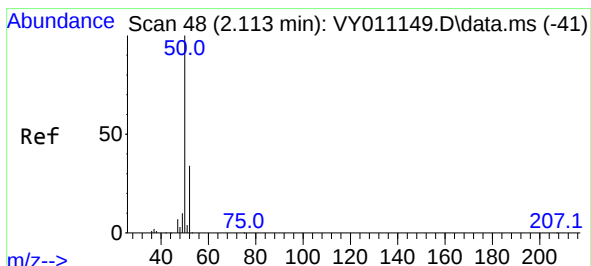
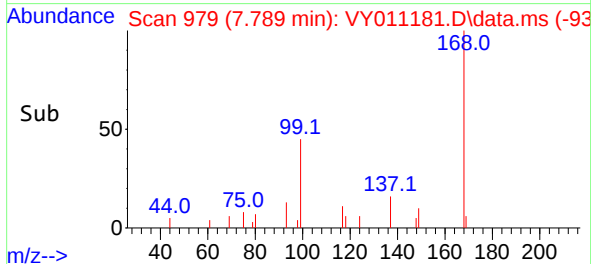
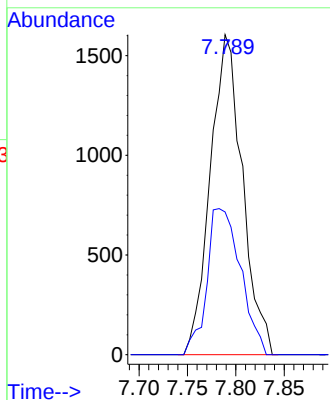
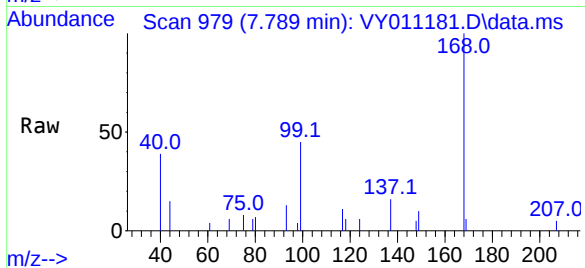




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

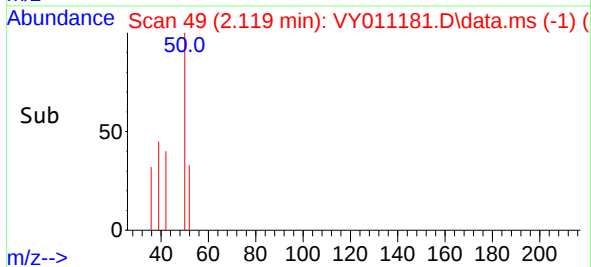
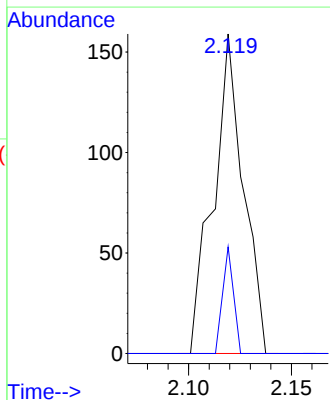
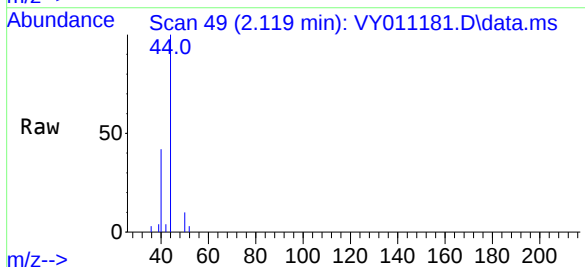
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-1

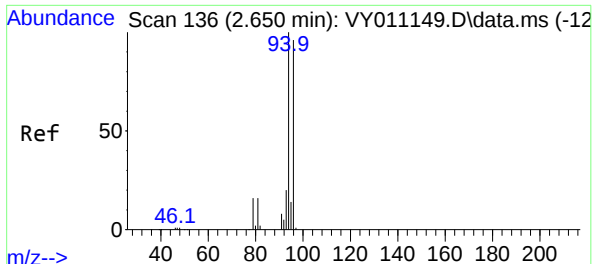
Tgt Ion:168 Resp: 3706  
Ion Ratio Lower Upper  
168 100  
99 44.6 46.9 70.3#



#3  
Chloromethane  
Concen: 3.079 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Tgt Ion: 50 Resp: 162  
Ion Ratio Lower Upper  
50 100  
52 33.3 24.6 37.0

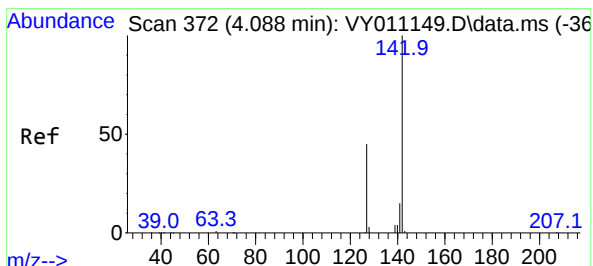
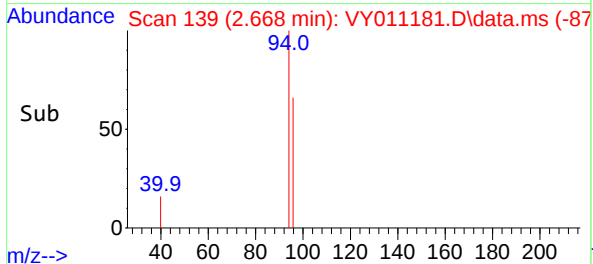
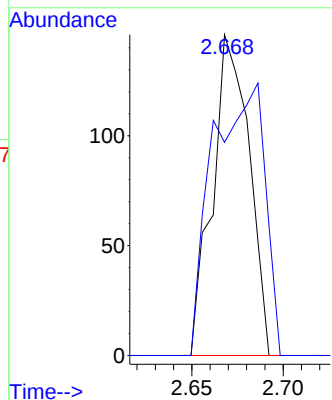
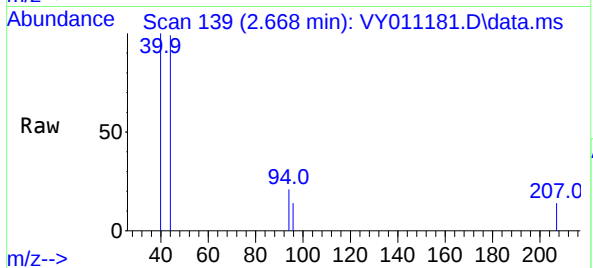




#5  
Bromomethane  
Concen: 7.017 ug/l  
RT: 2.668 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

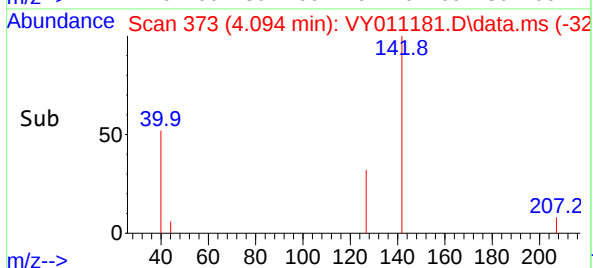
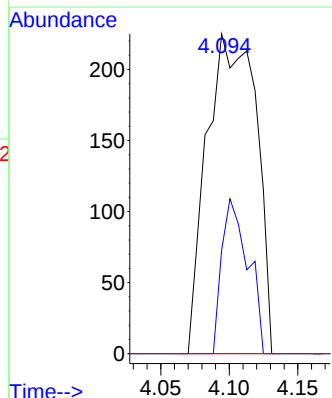
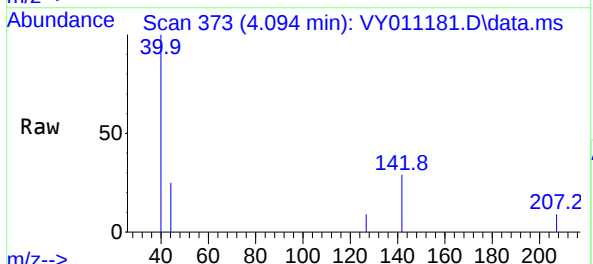
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-1

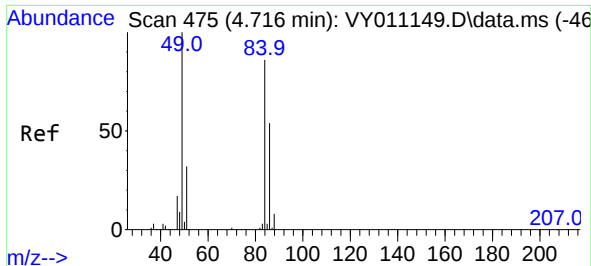
Tgt Ion: 94 Resp: 203  
Ion Ratio Lower Upper  
94 100  
96 66.4 73.5 110.3#



#10  
Methyl Iodide  
Concen: 15.535 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Tgt Ion: 142 Resp: 563  
Ion Ratio Lower Upper  
142 100  
127 25.8 41.5 62.3#  
141 0.0 11.9 17.9#



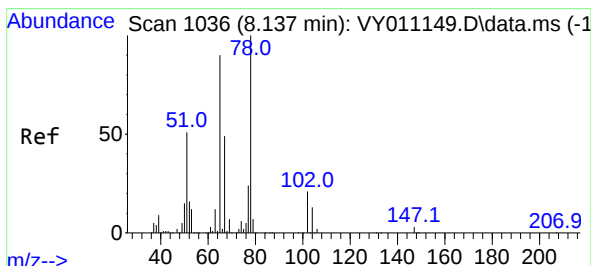
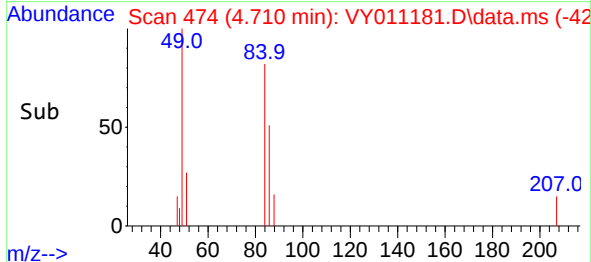
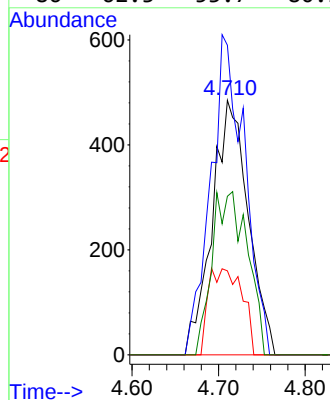
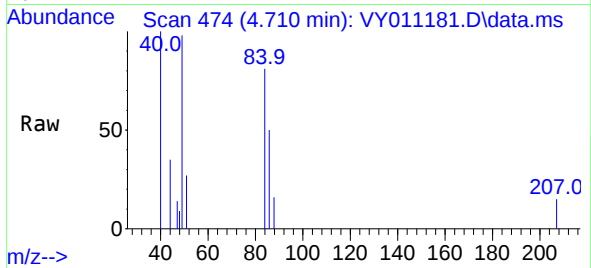


#20  
Methylene Chloride  
Concen: 34.257 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-1

Tgt Ion: 84 Resp: 1408

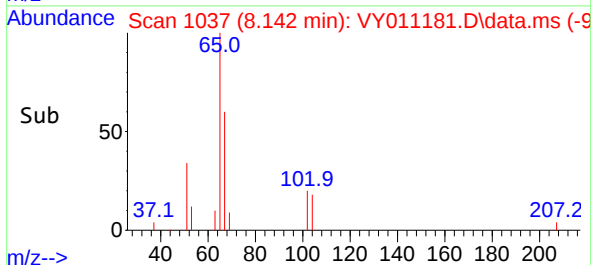
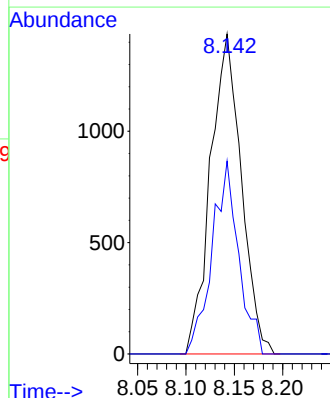
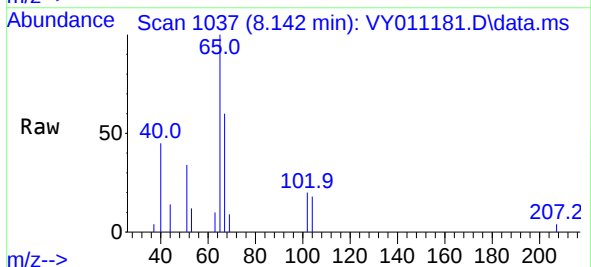
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 121.6 | 114.4 | 171.6 |
| 51  | 33.0  | 35.3  | 52.9# |
| 86  | 62.3  | 53.7  | 80.5  |

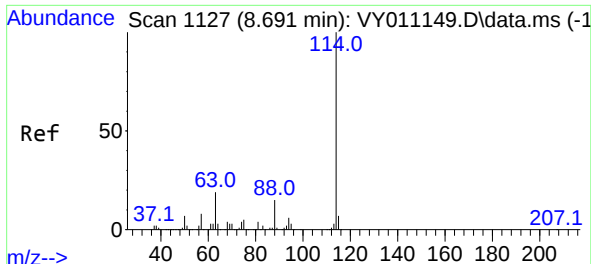


#33  
1,2-Dichloroethane-d4  
Concen: 83.036 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.005 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Tgt Ion: 65 Resp: 3182

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.9  | 0.0   | 99.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011181.D

Acq: 29 Oct 2022 01:59

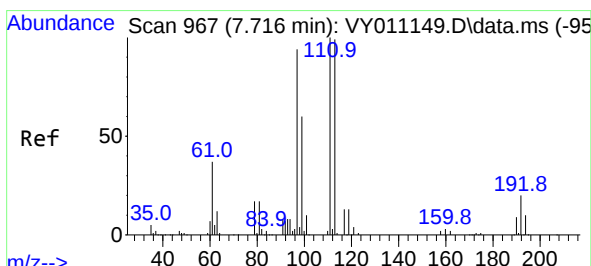
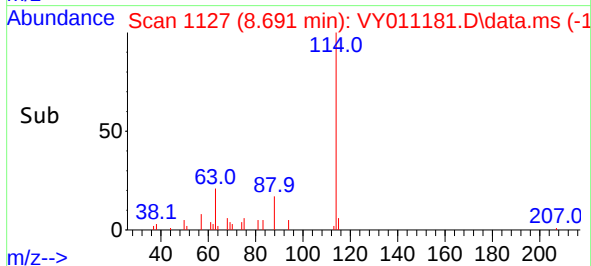
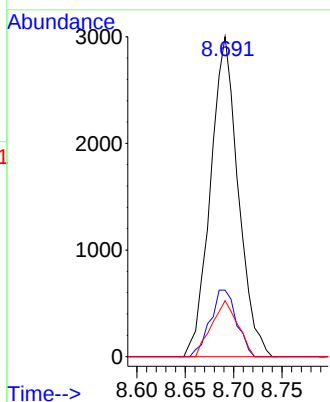
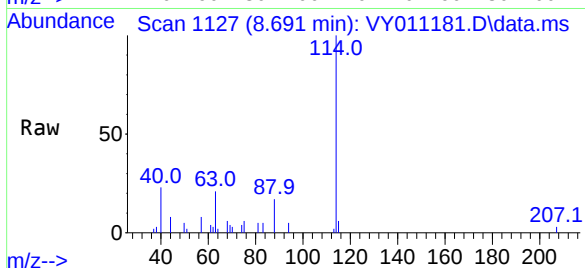
Instrument :

MSVOA\_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-1

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 5980        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.8  | 0.0 43.2    |
| 88          | 17.5  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 37.363 ug/l

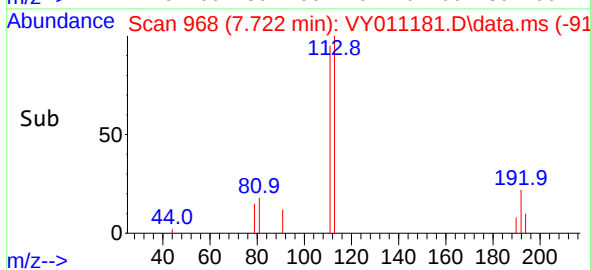
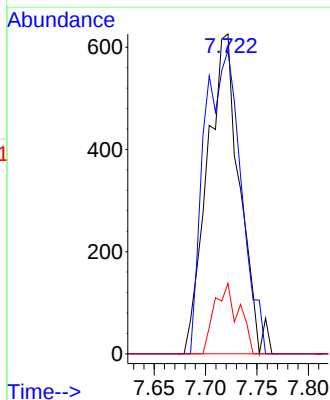
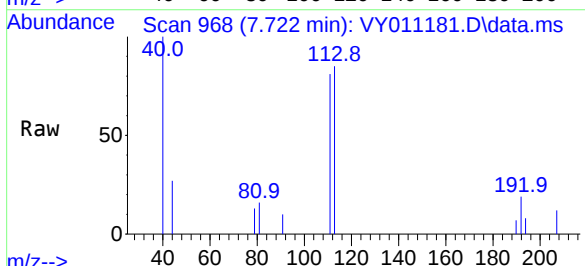
RT: 7.722 min Scan# 968

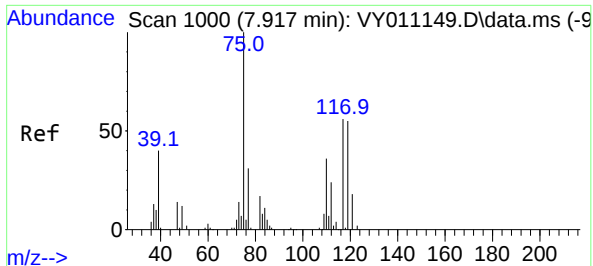
Delta R.T. 0.006 min

Lab File: VY011181.D

Acq: 29 Oct 2022 01:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1374        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 107.5 | 82.6 124.0  |
| 192         | 16.5  | 17.6 26.4   |





#36

1,1-Dichloropropene

Concen: 5.819 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY011181.D

Acq: 29 Oct 2022 01:59

Instrument :

MSVOA\_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-1

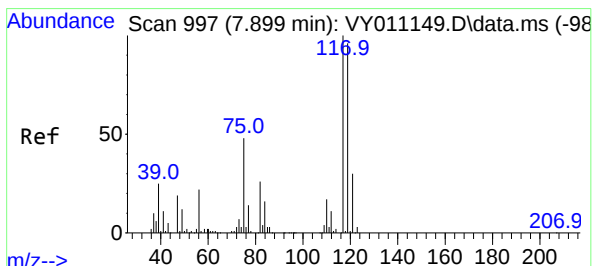
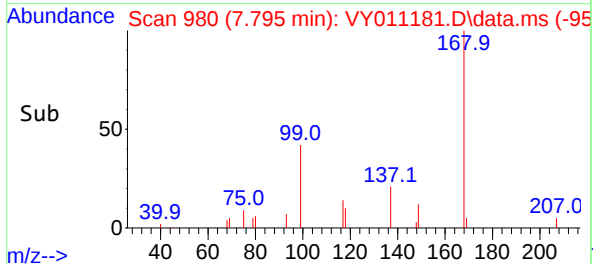
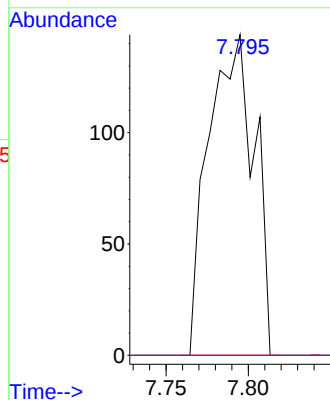
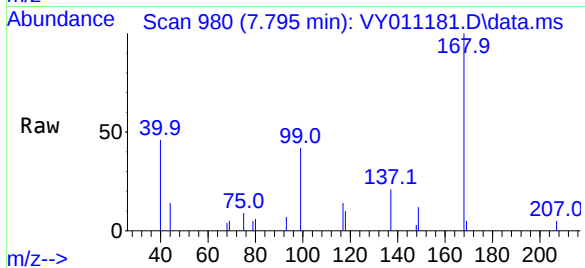
Tgt Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.258 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY011181.D

Acq: 29 Oct 2022 01:59

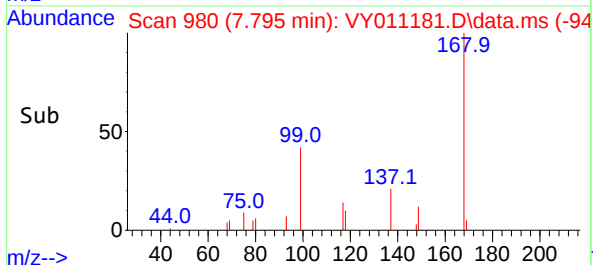
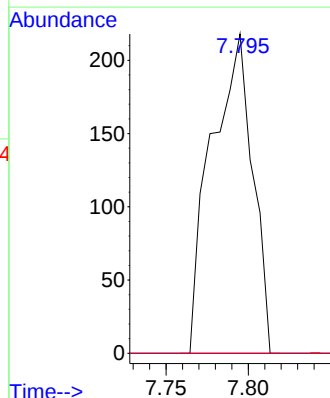
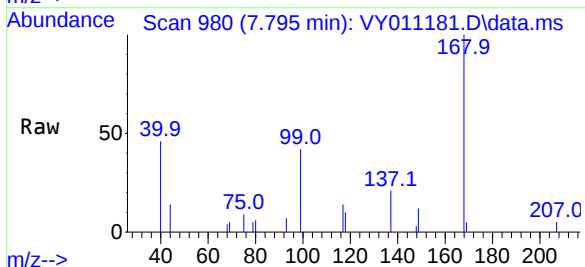
Tgt Ion: 117 Resp: 379

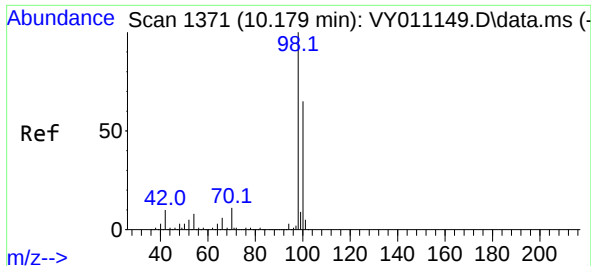
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

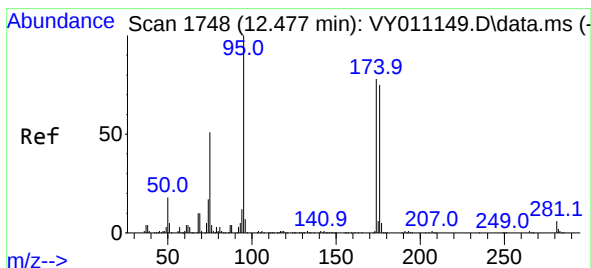
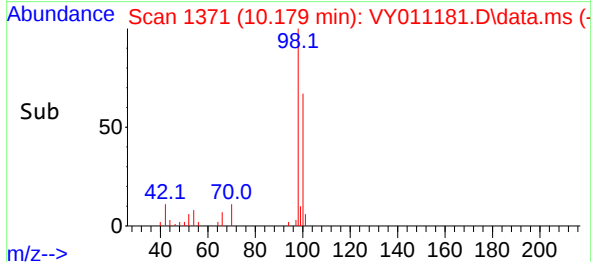
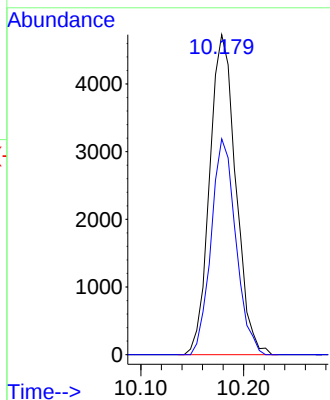
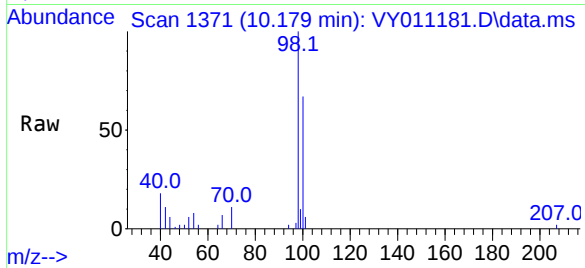




#50  
Toluene-d8  
Concen: 57.252 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

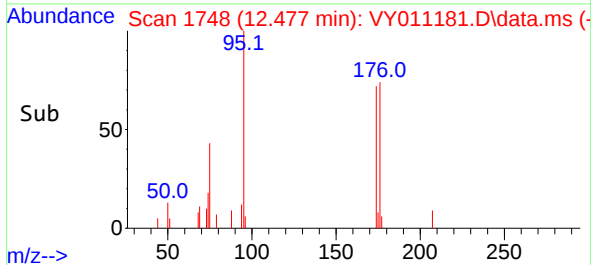
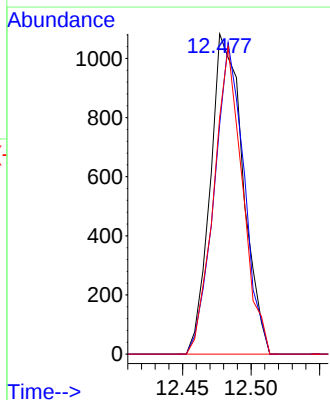
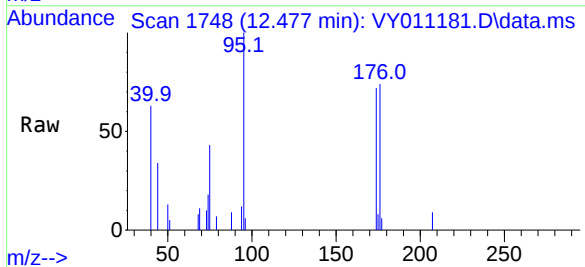
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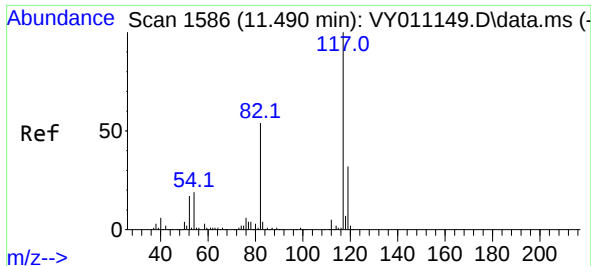
Tgt Ion: 98 Resp: 8341  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.507 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

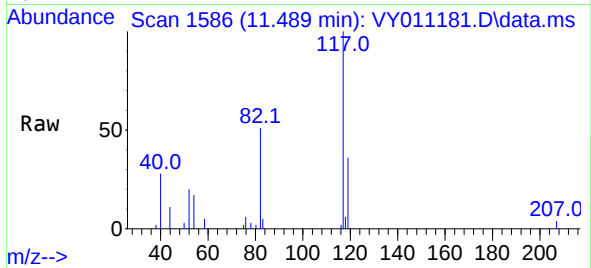
Tgt Ion: 95 Resp: 1788  
Ion Ratio Lower Upper  
95 100  
174 88.9 0.0 177.0  
176 84.8 0.0 175.8



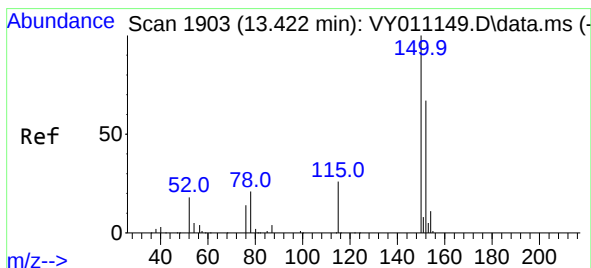
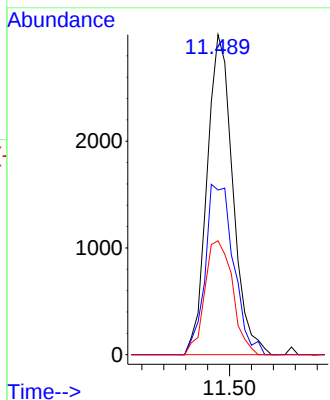
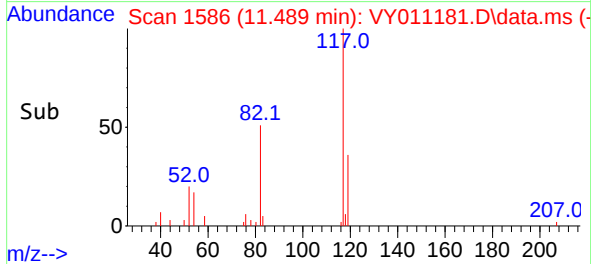


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-1

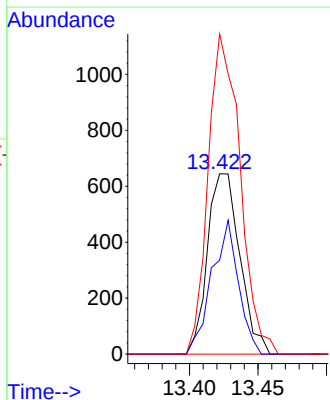
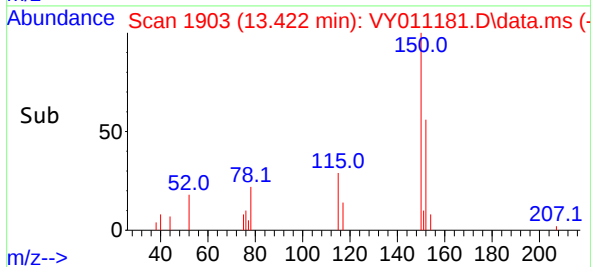
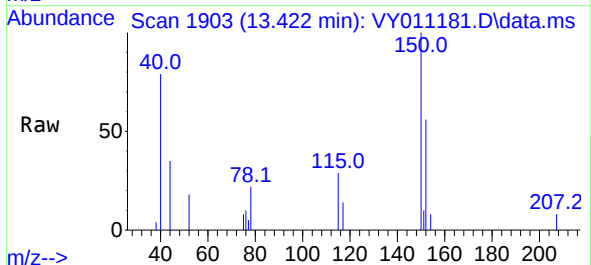


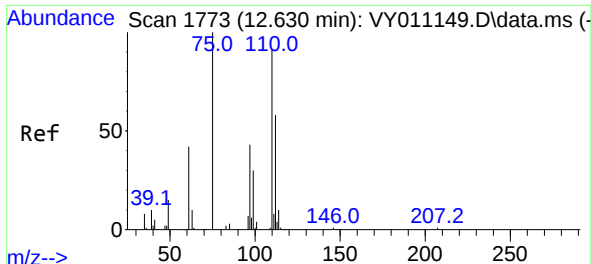
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 4896        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 51.4  | 43.0 64.4   |
| 119         | 35.6  | 25.4 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1060        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 61.0  | 28.2 84.7   |
| 150         | 175.2 | 0.0 347.6   |

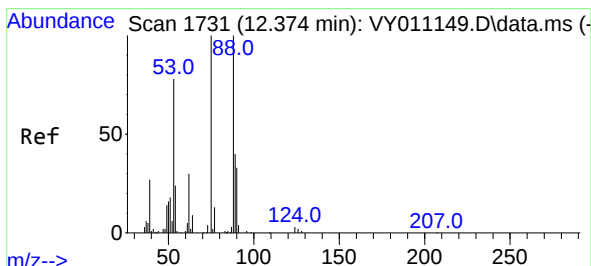
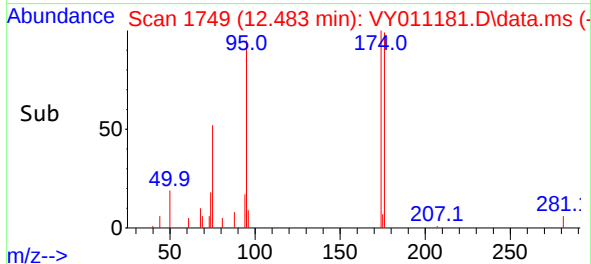
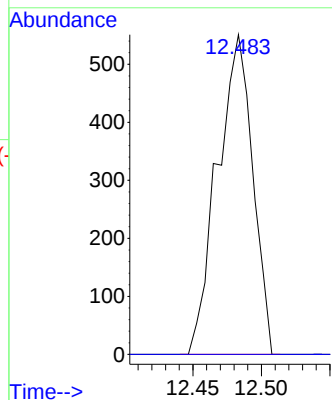
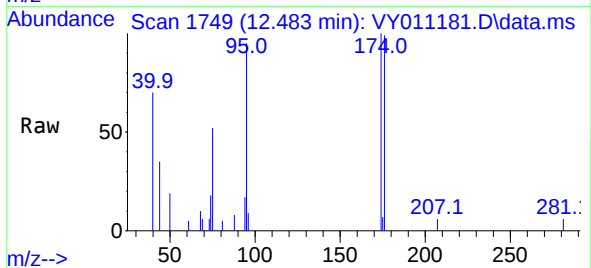




#76  
1,2,3-Trichloropropane  
Concen: 89.742 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-1

Tgt Ion: 75 Resp: 989  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 190.582 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY011181.D  
Acq: 29 Oct 2022 01:59

Tgt Ion: 75 Resp: 989  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

