

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081721\  
 Data File : VY005722.D  
 Acq On : 17 Aug 2021 19:48  
 Operator : SY/MD  
 Sample : M3430-04  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-4

Quant Time: Aug 18 01:53:37 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

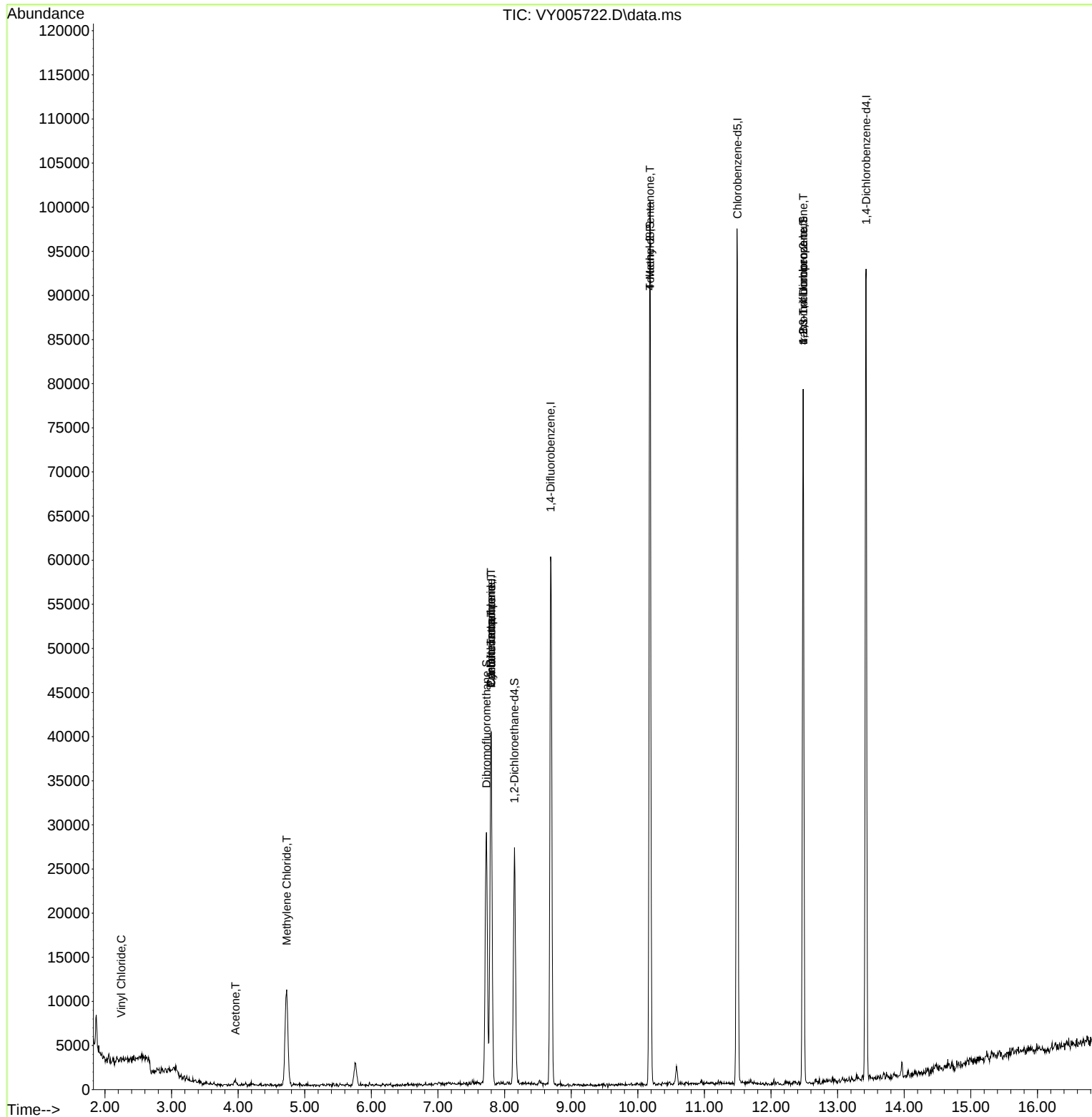
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 32997    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 52614    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 51974    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 24538    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 21275    | 63.695   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 127.400% |          |
| 35) Dibromofluoromethane      | 7.728     | 113   | 19099    | 64.836   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 129.680% |          |
| 50) Toluene-d8                | 10.185    | 98    | 66012    | 53.433   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 106.860% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 21421    | 52.360   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 104.720% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 4) Vinyl Chloride             | 2.247     | 62    | 402      | 1.037    | ug/l #     | 42       |
| 16) Acetone                   | 3.960     | 43    | 822      | 9.761    | ug/l       | 96       |
| 20) Methylene Chloride        | 4.728     | 84    | 8039     | 20.507   | ug/l       | 92       |
| 31) Cyclohexane               | 7.795     | 56    | 665      | 1.161    | ug/l #     | 31       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 2415     | 4.894    | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 2945     | 5.491    | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.185    | 43    | 300      | 1.006    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 11725    | 46.110   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 11725    | 92.951   | ug/l #     | 11       |
| -----                         |           |       |          |          |            |          |

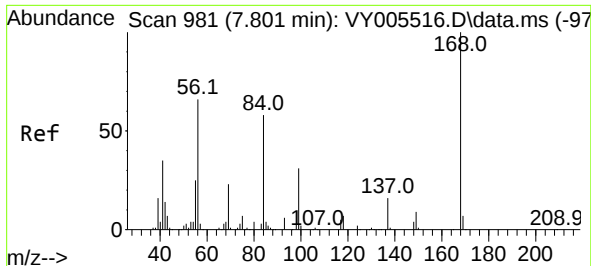
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081721\  
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Sample : M3430-04  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-4

Quant Time: Aug 18 01:53:37 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

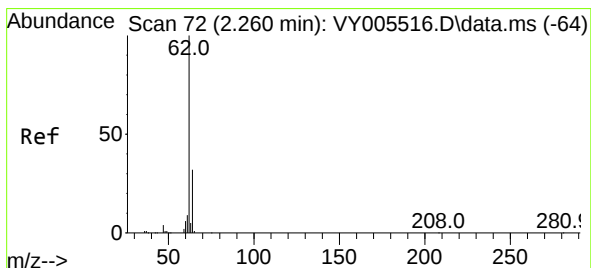
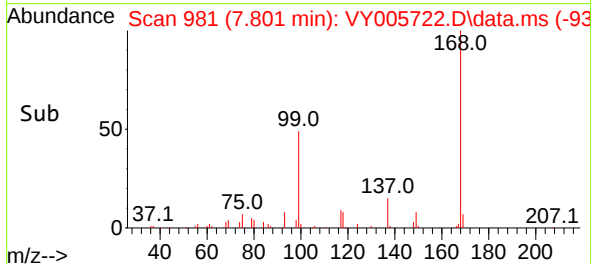
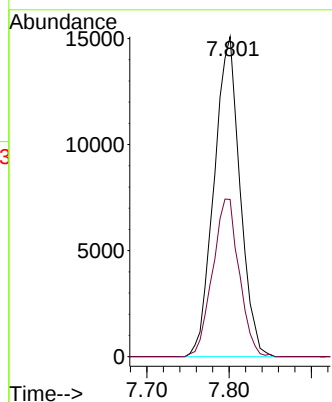
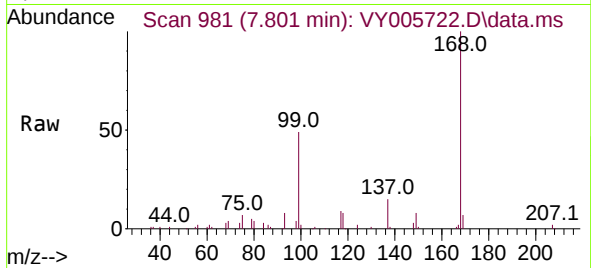




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

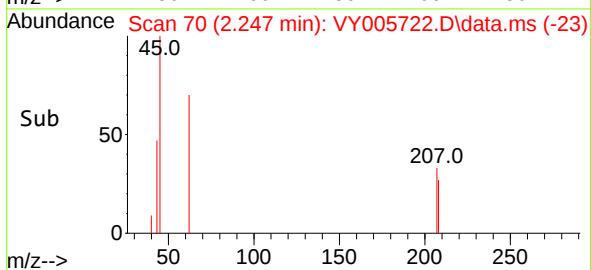
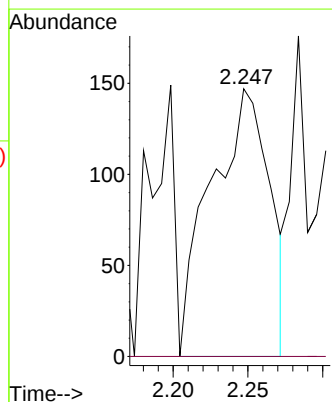
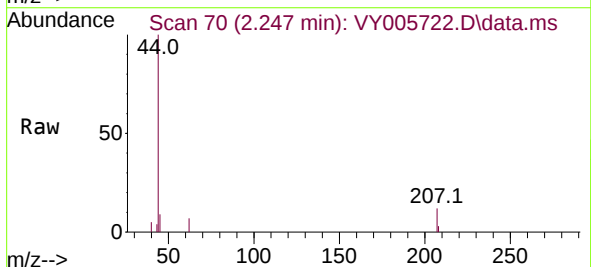
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

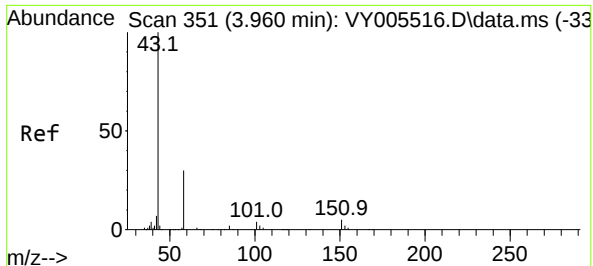
Tgt Ion:168 Resp: 32997  
Ion Ratio Lower Upper  
168 100  
99 49.2 38.9 58.3



#4  
Vinyl Chloride  
Concen: 1.037 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.012 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

Tgt Ion: 62 Resp: 402  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.9 38.9#

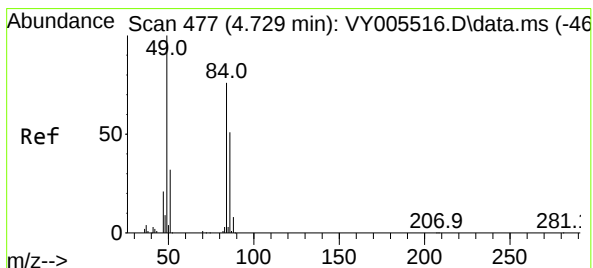
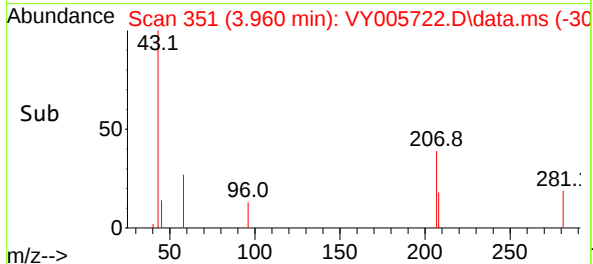
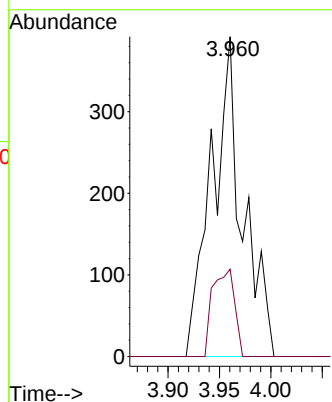
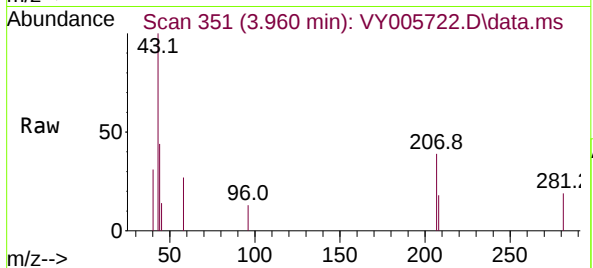




#16  
Acetone  
Concen: 9.761 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

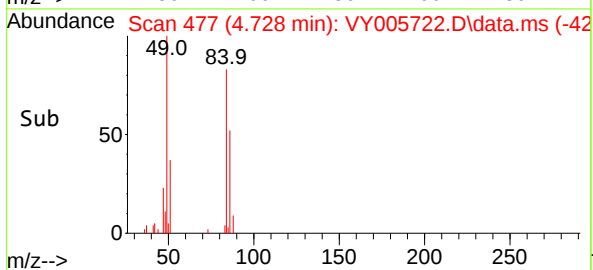
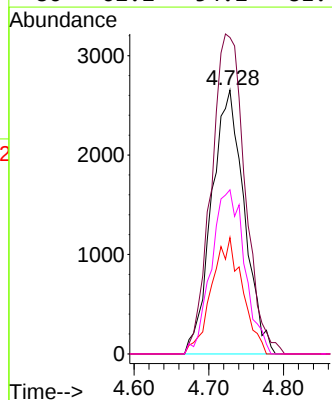
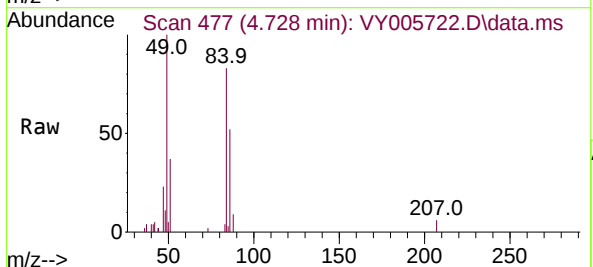
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-4

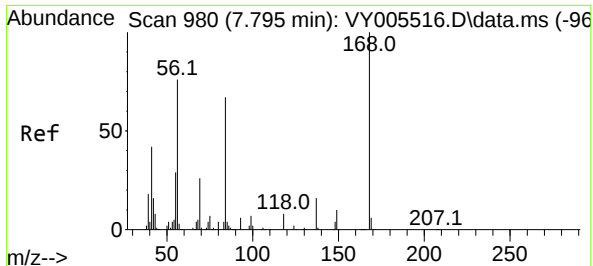
Tgt Ion: 43 Resp: 822  
Ion Ratio Lower Upper  
43 100  
58 27.3 23.8 35.6



#20  
Methylene Chloride  
Concen: 20.507 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

Tgt Ion: 84 Resp: 8039  
Ion Ratio Lower Upper  
84 100  
49 119.9 105.8 158.6  
51 44.0 33.4 50.2  
86 62.2 54.2 81.4

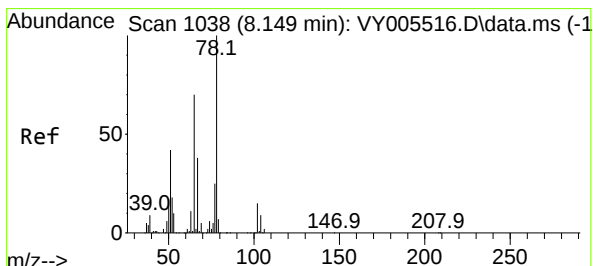
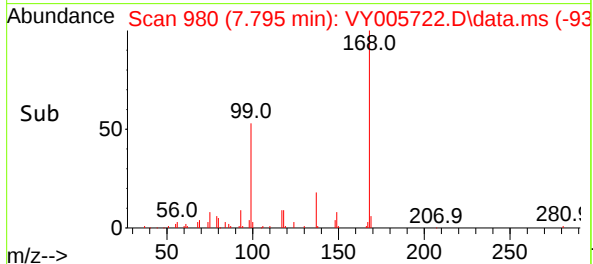
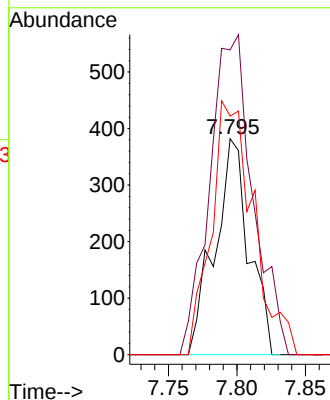
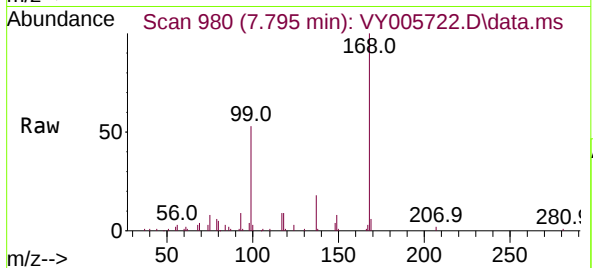




#31  
Cyclohexane  
Concen: 1.161 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

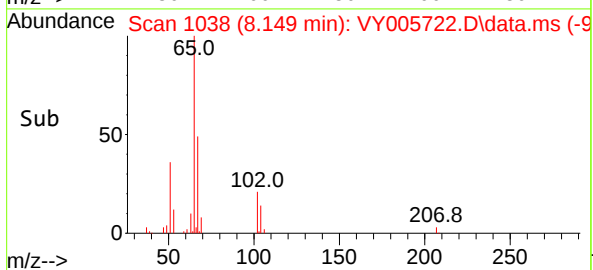
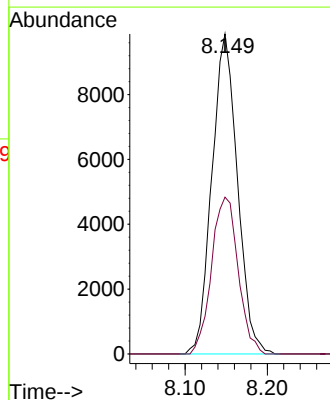
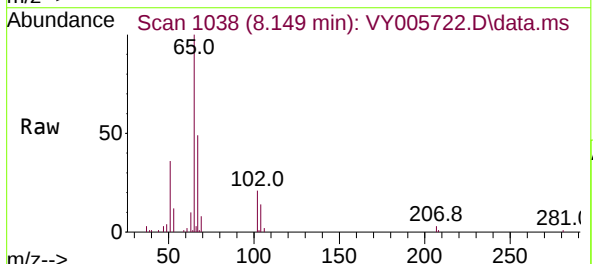
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PE-4

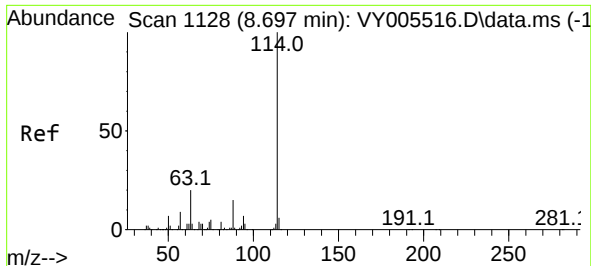
Tgt Ion: 56 Resp: 665  
Ion Ratio Lower Upper  
56 100  
69 141.1 27.7 41.5#  
84 110.5 70.9 106.3#



#33  
1,2-Dichloroethane-d4  
Concen: 63.695 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

Tgt Ion: 65 Resp: 21275  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.4

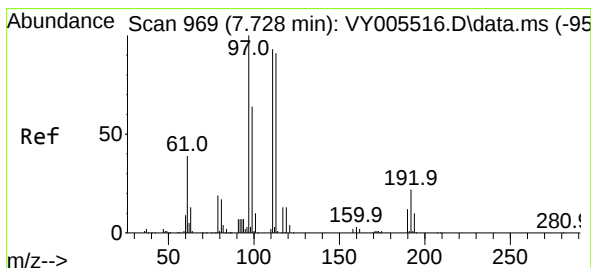
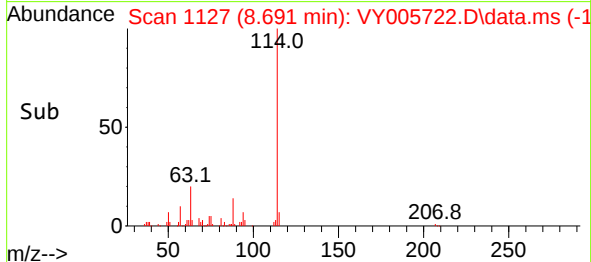
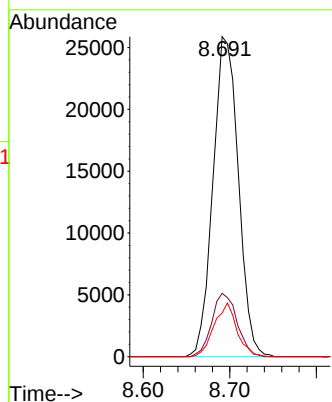
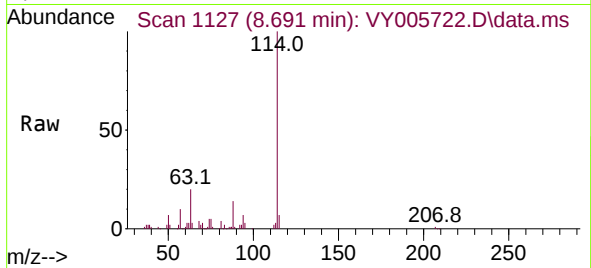




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

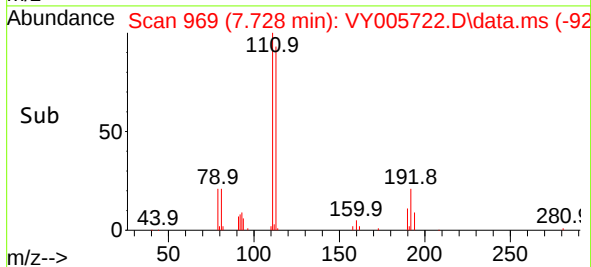
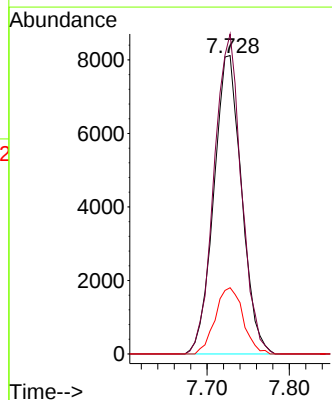
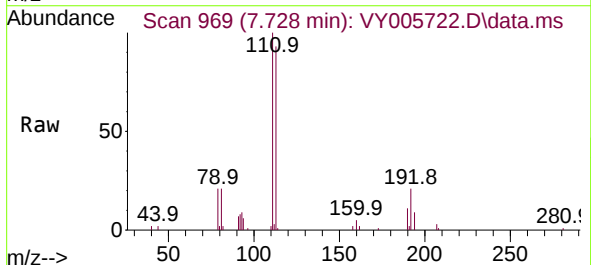
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

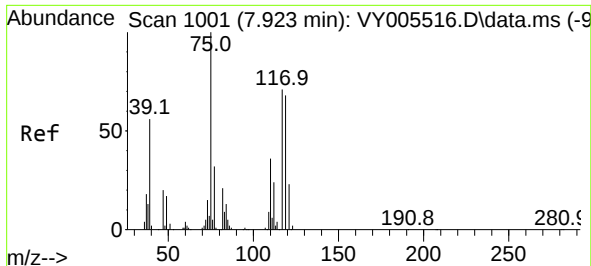
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 52614    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.8  | 0.0 39.2 |
| 88          | 13.6  | 0.0 30.8 |



#35  
Dibromofluoromethane  
Concen: 64.836 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 19099      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 104.9 | 81.9 122.9 |
| 192         | 22.2  | 19.2 28.8  |





#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005722.D

Acq: 17 Aug 2021 19:48

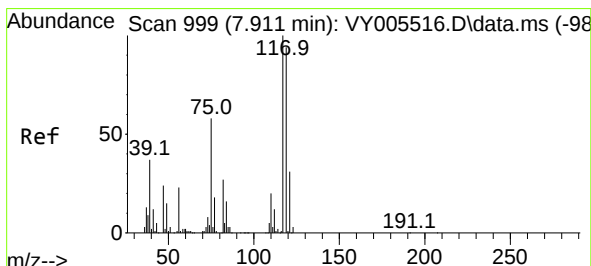
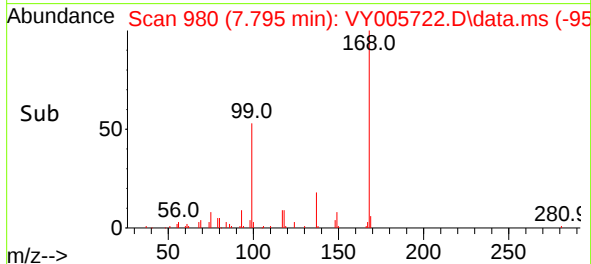
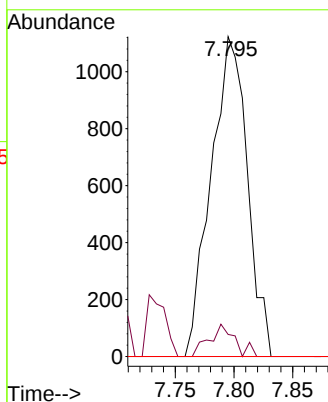
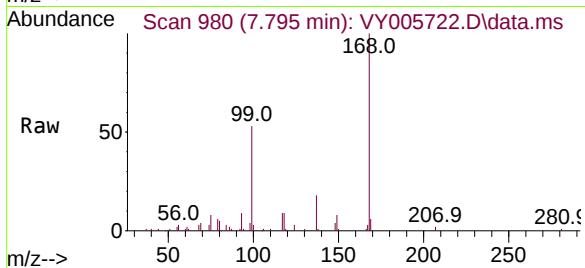
Instrument :

MSVOA\_Y

ClientSampled :

PE-4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2415  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.2   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |



#38

Carbon Tetrachloride

Concen: 5.491 ug/l

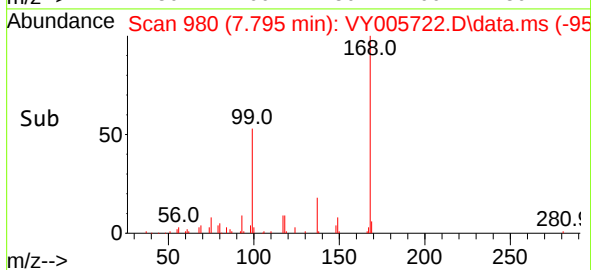
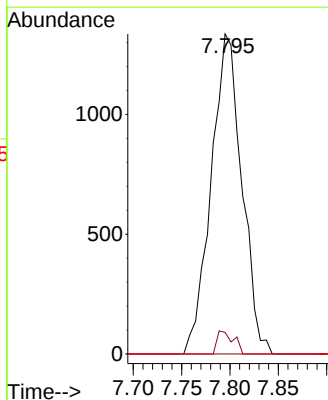
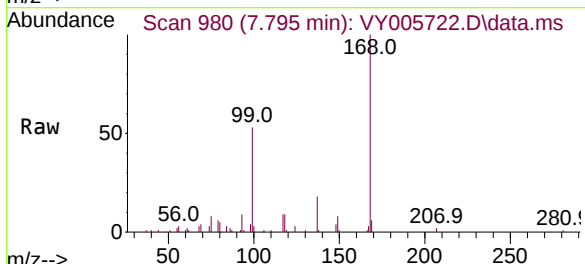
RT: 7.795 min Scan# 980

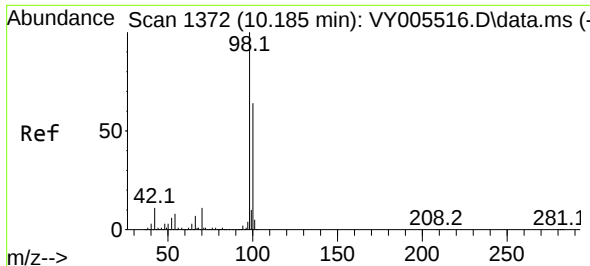
Delta R.T. -0.116 min

Lab File: VY005722.D

Acq: 17 Aug 2021 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 2945   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 6.7   | 75.4  | 113.0# |
| 121      | 0.0   | 25.1  | 37.7#  |

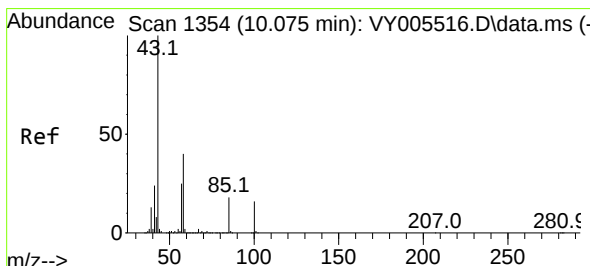
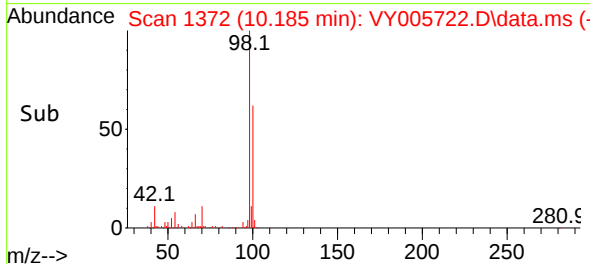
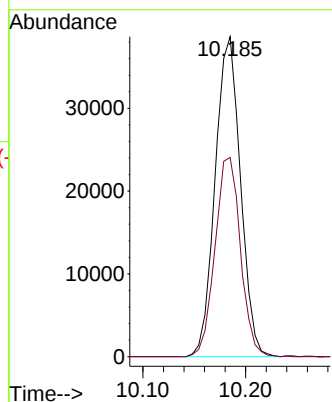
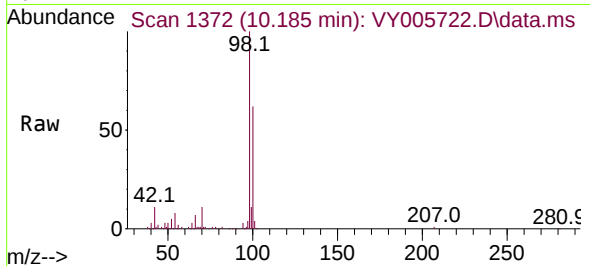




#50  
Toluene-d8  
Concen: 53.433 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

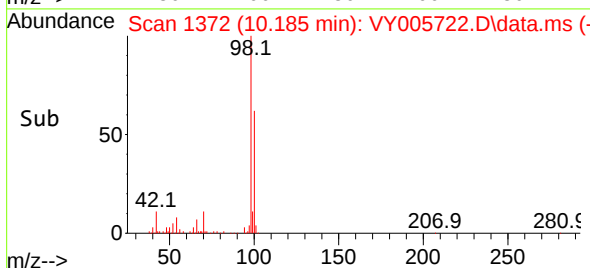
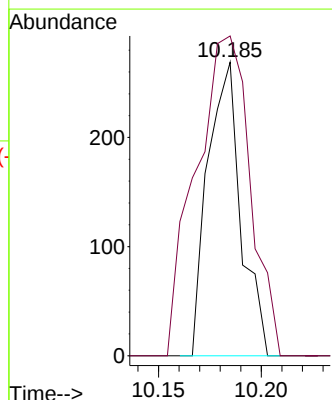
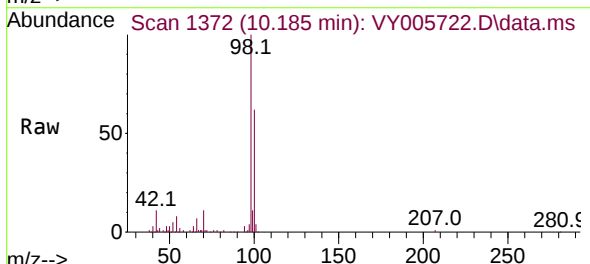
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

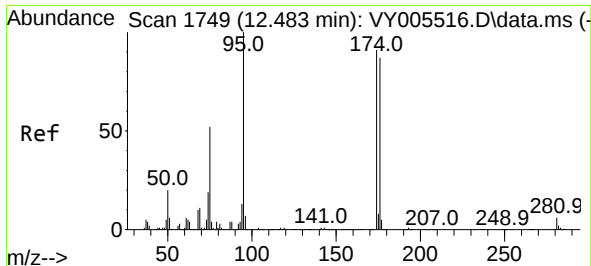
Tgt Ion: 98 Resp: 66012  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.3 76.9



#51  
4-Methyl-2-Pentanone  
Concen: 1.006 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.110 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

Tgt Ion: 43 Resp: 300  
Ion Ratio Lower Upper  
43 100  
58 180.0 31.4 47.2#

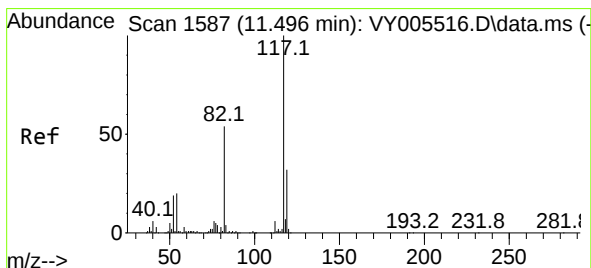
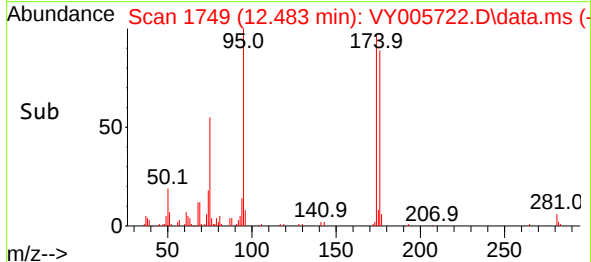
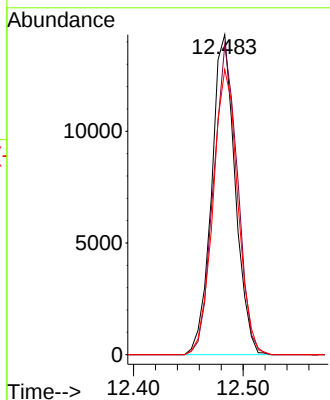
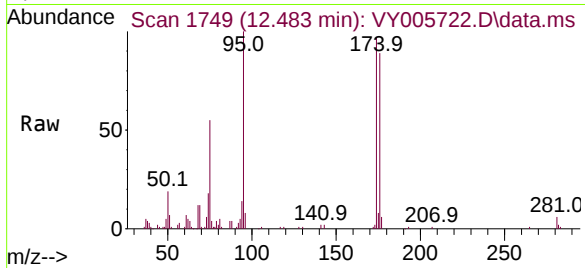




#62  
4-Bromofluorobenzene  
Concen: 52.360 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

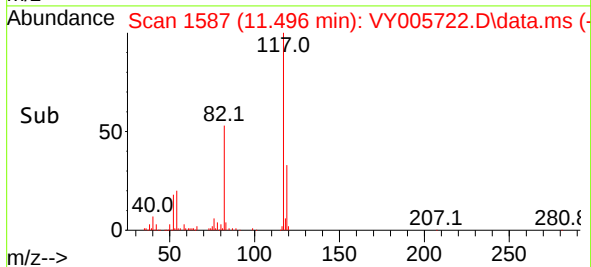
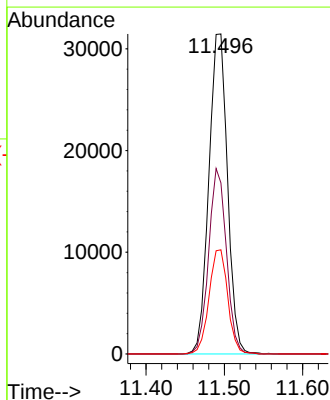
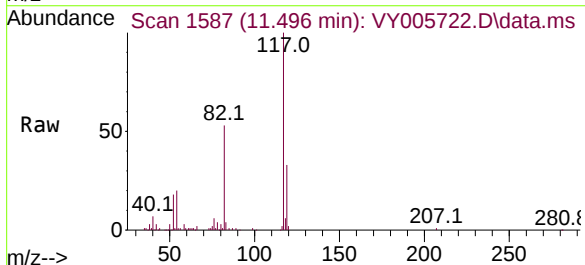
Instrument :  
MSVOA\_Y  
ClientSampled :  
PE-4

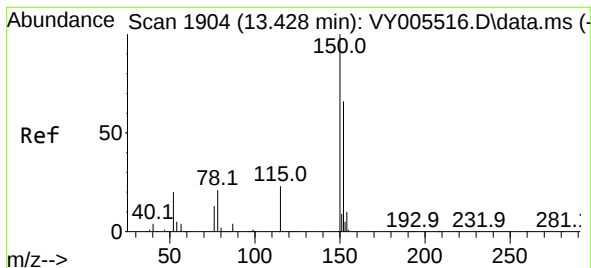
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 21421 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 98.4  | 0.0   | 191.4 |
| 176       | 93.7  | 0.0   | 183.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005722.D  
Acq: 17 Aug 2021 19:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 51974 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 53.4  | 43.5  | 65.3  |
| 119       | 32.5  | 25.5  | 38.3  |

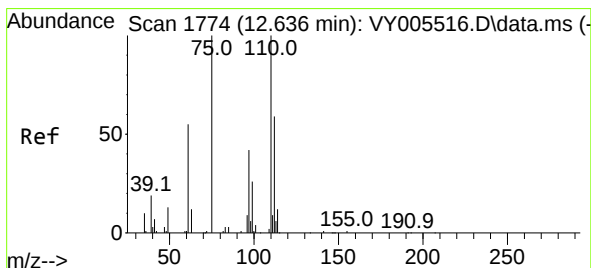
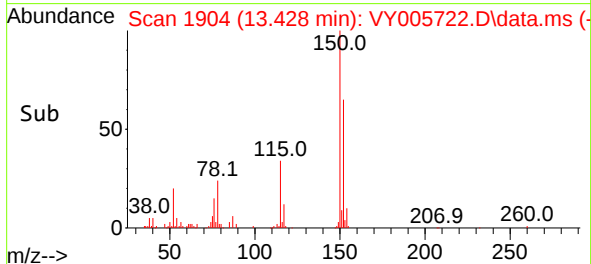
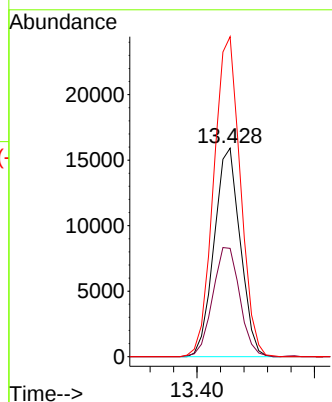
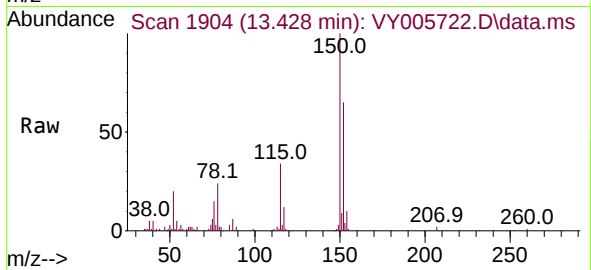




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005722.D  
 Acq: 17 Aug 2021 19:48

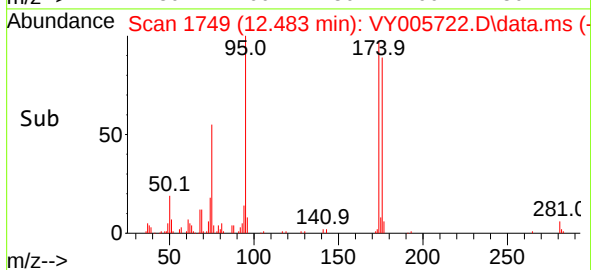
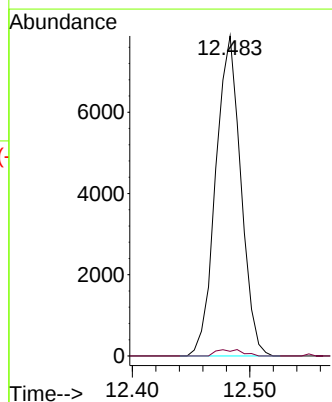
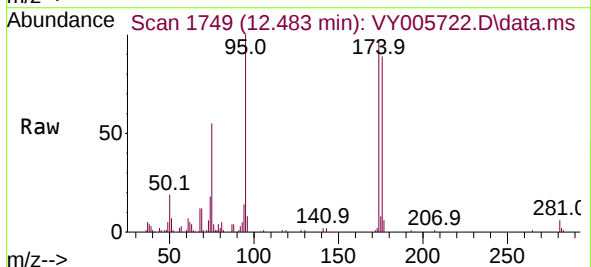
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 PE-4

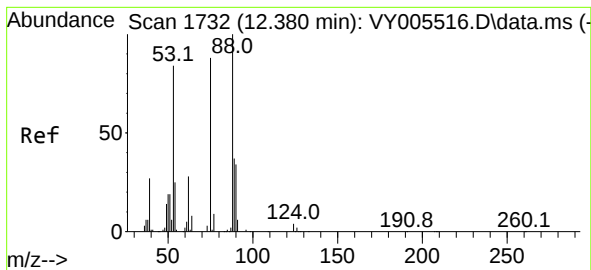
Tgt Ion:152 Resp: 24538  
 Ion Ratio Lower Upper  
 152 100  
 115 54.4 27.3 81.9  
 150 156.6 0.0 350.2



#76  
 1,2,3-Trichloropropane  
 Concen: 46.110 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005722.D  
 Acq: 17 Aug 2021 19:48

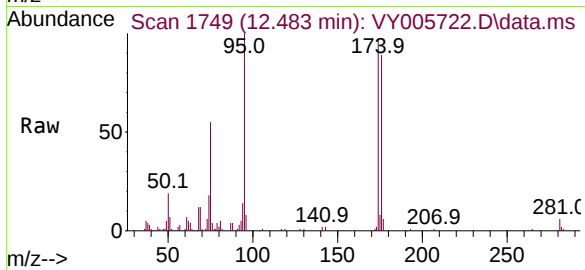
Tgt Ion: 75 Resp: 11725  
 Ion Ratio Lower Upper  
 75 100  
 77 2.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 92.951 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.103 min  
 Lab File: VY005722.D  
 Acq: 17 Aug 2021 19:48

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PE-4



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 76.7  | 115.1# |
| 89      | 0.0   | 38.4  | 57.6#  |

