

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072821\  
 Data File : VY005481.D  
 Acq On : 28 Jul 2021 11:55  
 Operator : SY/MD  
 Sample : VY0728SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 29 05:29:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 2021  
 Response via : Initial Calibration

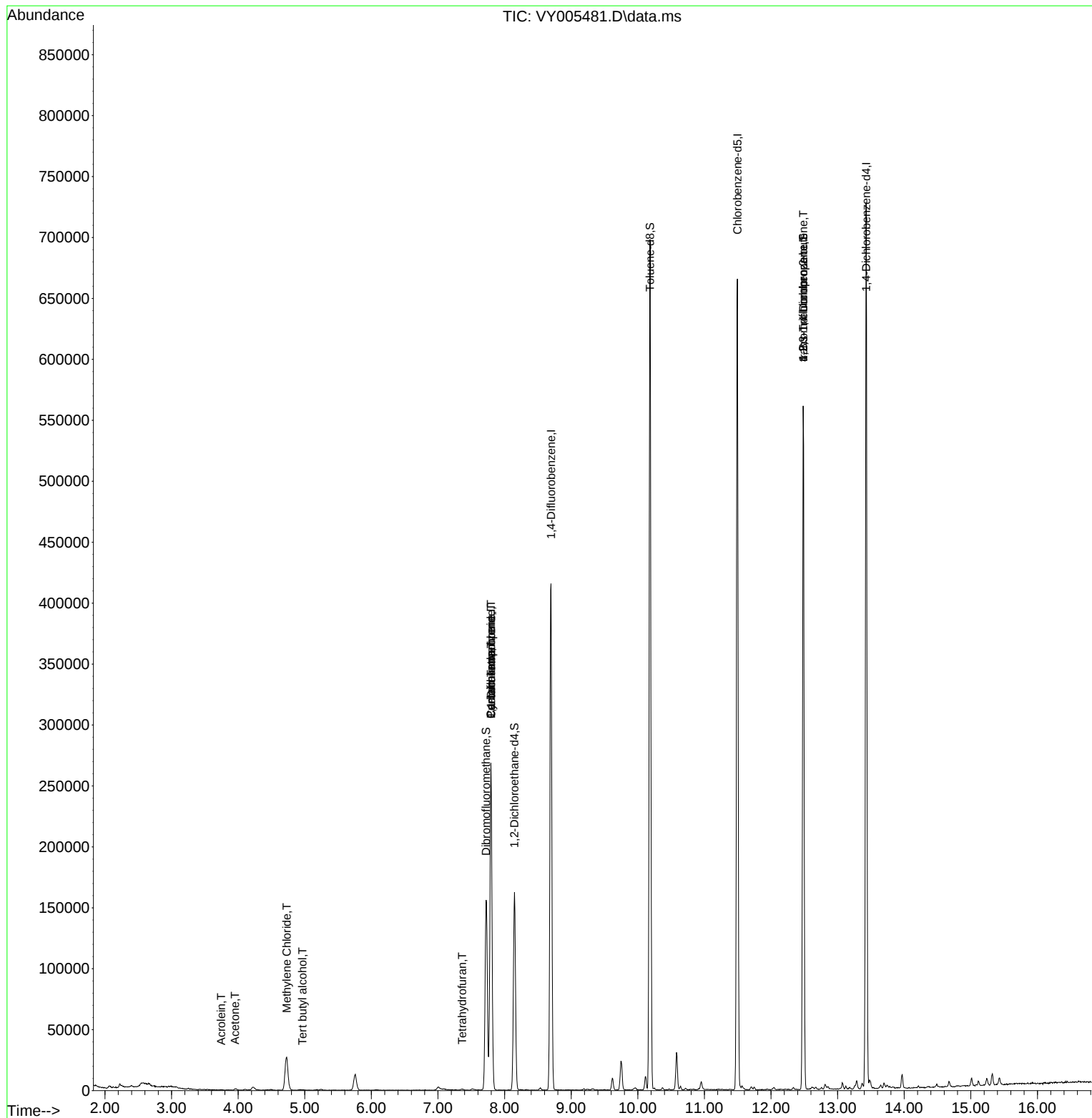
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 210987   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 352377   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 357942   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 184690   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 133065   | 59.034   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 118.060% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 108230   | 53.193   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 106.380% |          |
| 50) Toluene-d8                | 10.185    | 98    | 452533   | 52.476   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 104.960% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 156869   | 55.116   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 110.240% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.966     | 59    | 541      | 2.541    | ug/l #     | 82       |
| 13) Acrolein                  | 3.747     | 56    | 240      | 1.231    | ug/l #     | 33       |
| 16) Acetone                   | 3.954     | 43    | 1962     | 3.811    | ug/l #     | 79       |
| 20) Methylene Chloride        | 4.728     | 84    | 21251    | 6.105    | ug/l       | 94       |
| 29) Tetrahydrofuran           | 7.362     | 42    | 598      | 1.171    | ug/l #     | 93       |
| 31) Cyclohexane               | 7.795     | 56    | 4179     | 1.086    | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 15080    | 4.426    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 18829    | 5.057    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 87053    | 47.902   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 87053    | 93.013   | ug/l #     | 11       |
| -----                         |           |       |          |          |            |          |

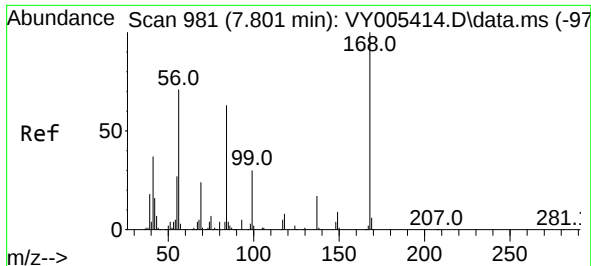
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072821\  
Data File : VY005481.D  
Acq On : 28 Jul 2021 11:55  
Operator : SY/MD  
Sample : VY0728SBL01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jul 29 05:29:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:20:14 2021  
Response via : Initial Calibration

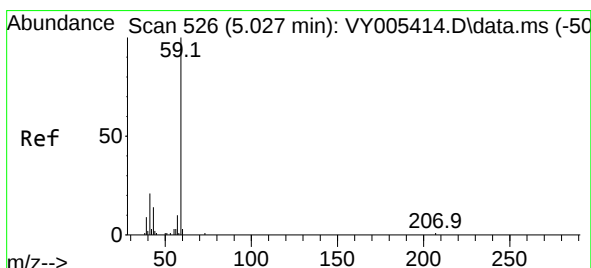
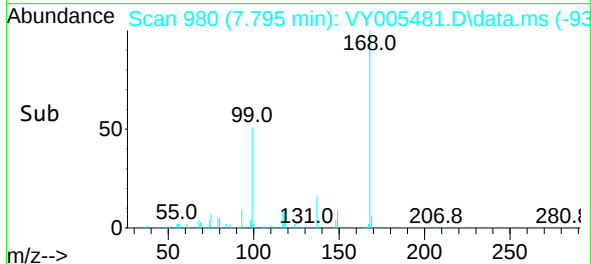
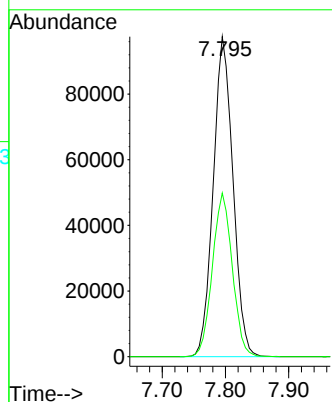
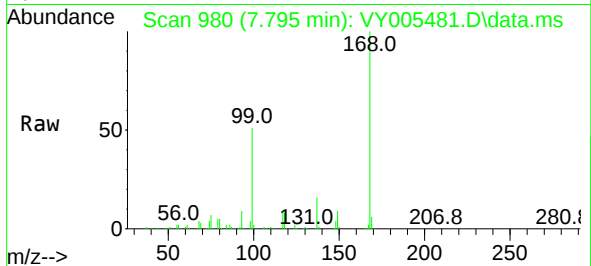




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

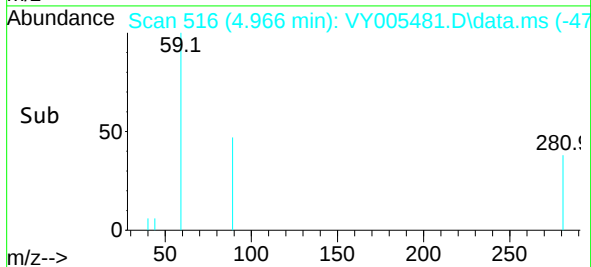
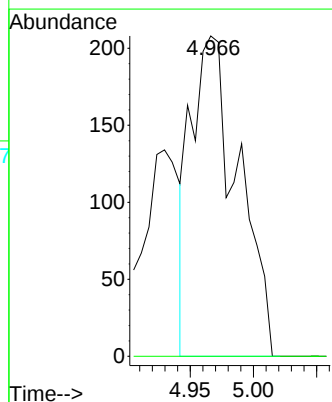
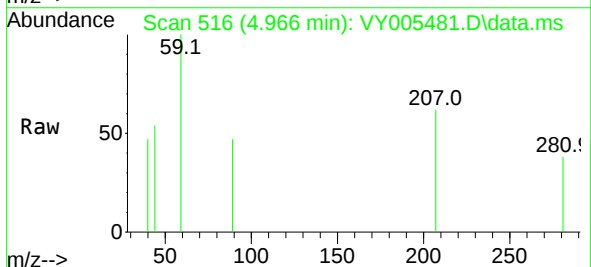
Instrument :  
MSVOA\_Y  
ClientSampleId :

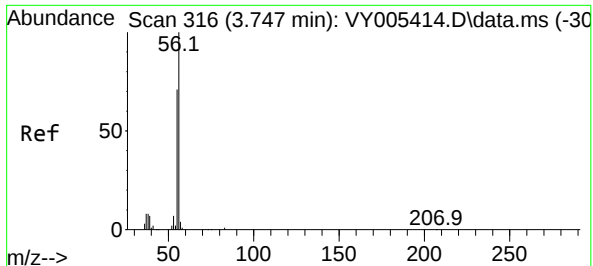
Tgt Ion:168 Resp: 210987  
Ion Ratio Lower Upper  
168 100  
99 51.2 39.8 59.6



#11  
Tert butyl alcohol  
Concen: 2.541 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.061 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 59 Resp: 541  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.7 7.1#

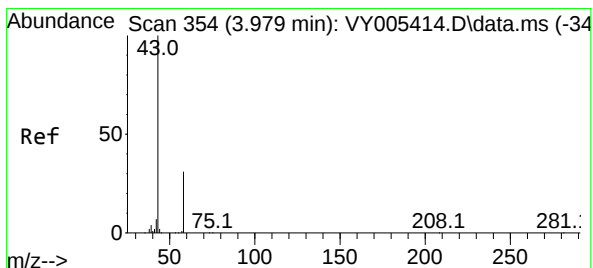
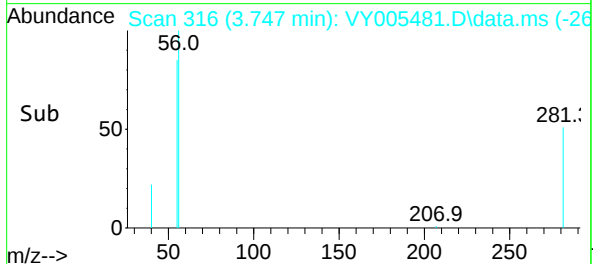
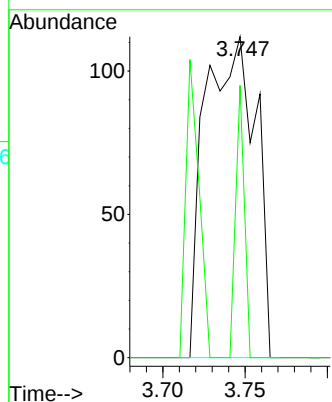
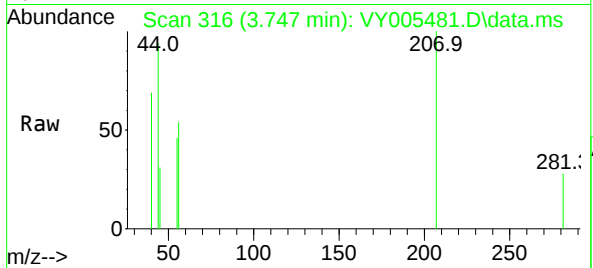




#13  
Acrolein  
Concen: 1.231 ug/l  
RT: 3.747 min Scan# 316  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

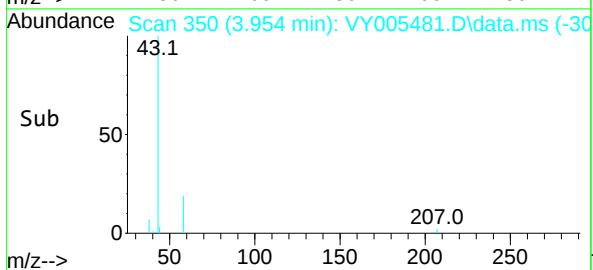
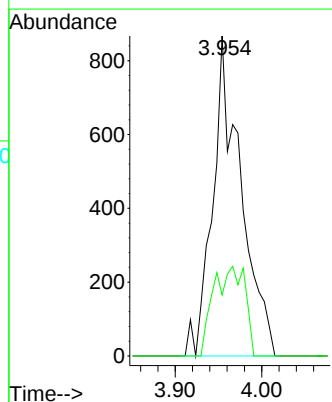
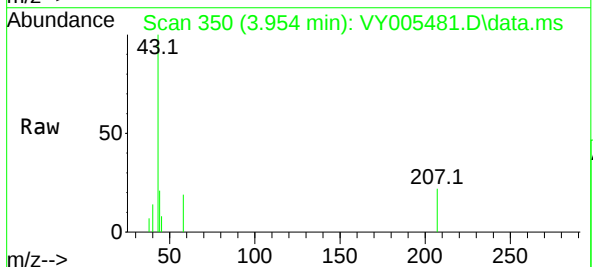
Instrument :  
MSVOA\_Y  
ClientSampled :

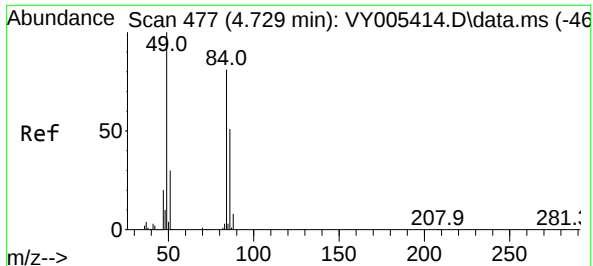
Tgt Ion: 56 Resp: 240  
Ion Ratio Lower Upper  
56 100  
55 14.6 55.2 82.8#



#16  
Acetone  
Concen: 3.811 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.024 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 43 Resp: 1962  
Ion Ratio Lower Upper  
43 100  
58 19.0 24.5 36.7#





#20

Methylene Chloride

Concen: 6.105 ug/l

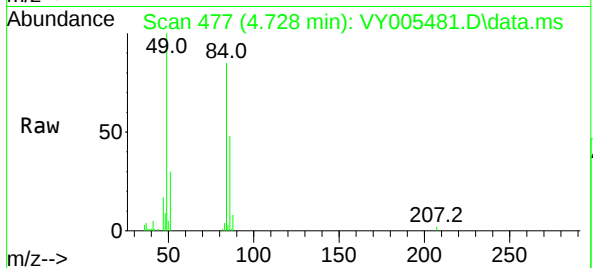
RT: 4.728 min Scan# 477

Delta R.T. -0.001 min

Lab File: VY005481.D

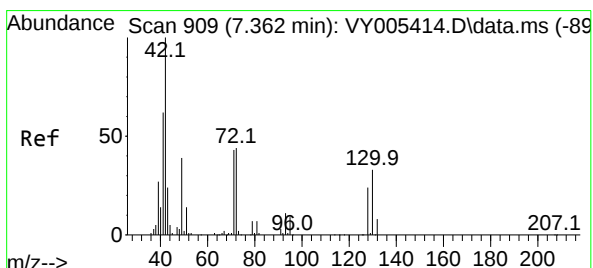
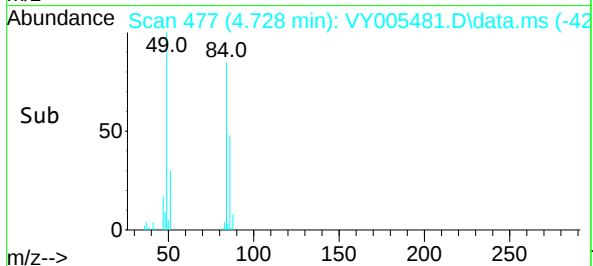
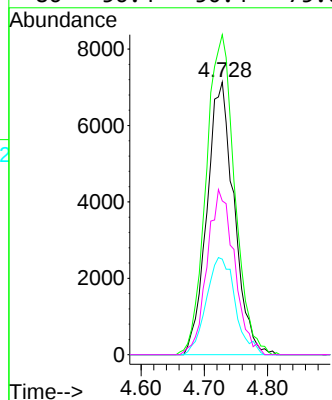
Acq: 28 Jul 2021 11:55

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 21251

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 117.4 | 98.9  | 148.3 |
| 51  | 35.0  | 30.0  | 45.0  |
| 86  | 56.4  | 50.4  | 75.6  |



#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 7.362 min Scan# 909

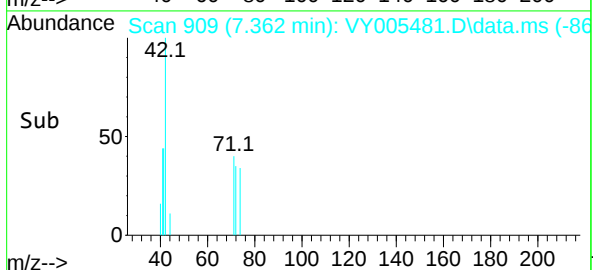
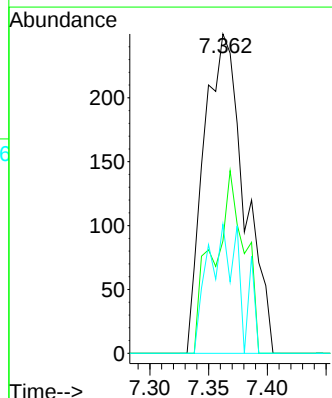
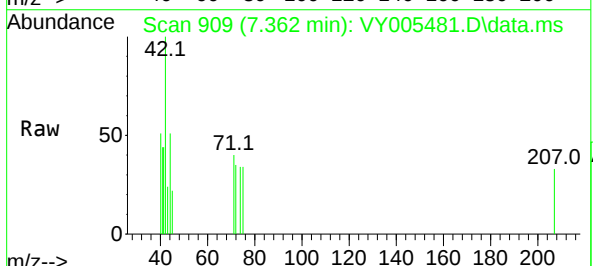
Delta R.T. -0.000 min

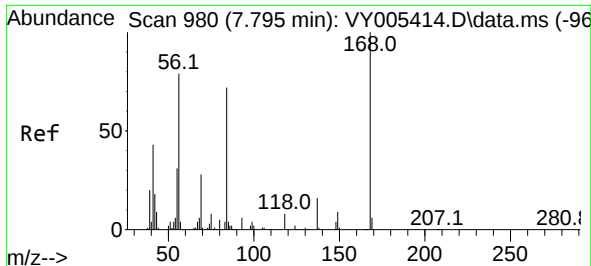
Lab File: VY005481.D

Acq: 28 Jul 2021 11:55

Tgt Ion: 42 Resp: 598

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 44.1  | 35.3  | 52.9  |
| 71  | 32.3  | 33.4  | 50.2  |

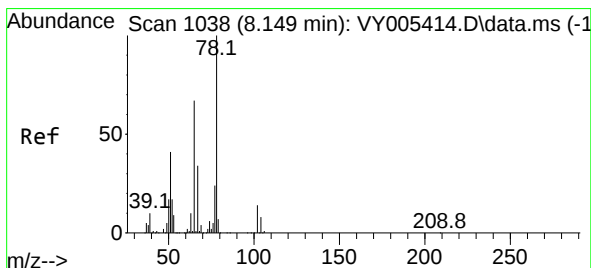
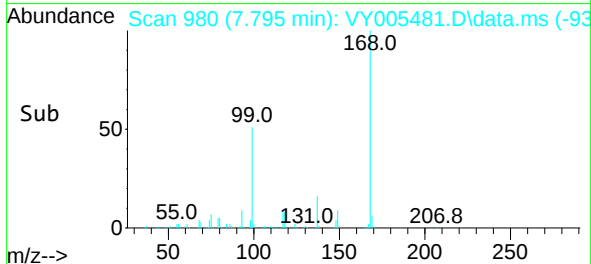
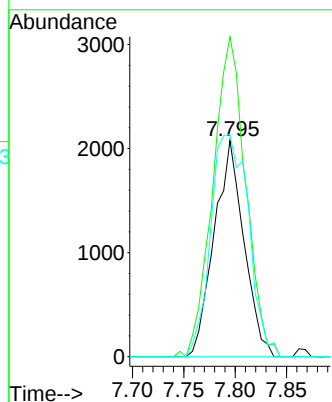
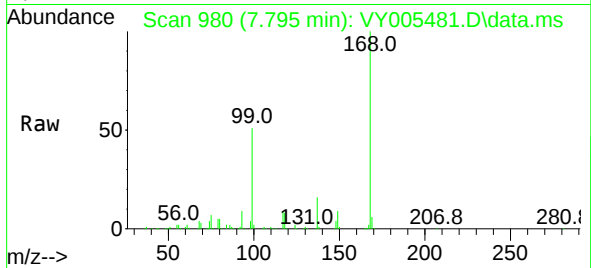




#31  
Cyclohexane  
Concen: 1.086 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

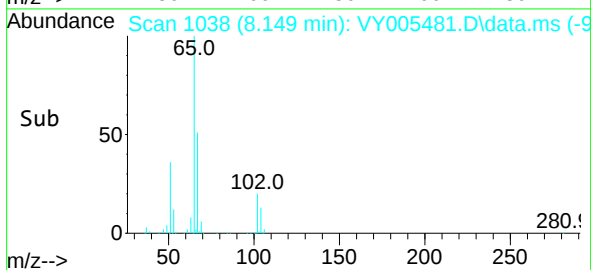
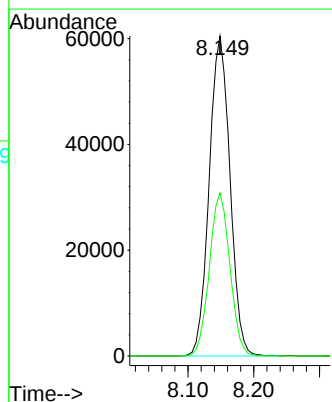
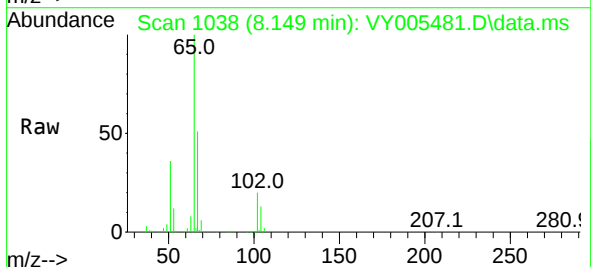
Instrument :  
MSVOA\_Y  
ClientSampleId :

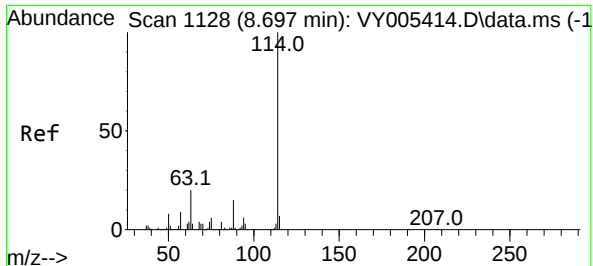
Tgt Ion: 56 Resp: 4179  
Ion Ratio Lower Upper  
56 100  
69 148.0 28.7 43.1#  
84 102.7 73.0 109.6



#33  
1,2-Dichloroethane-d4  
Concen: 59.034 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 65 Resp: 133065  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 102.2



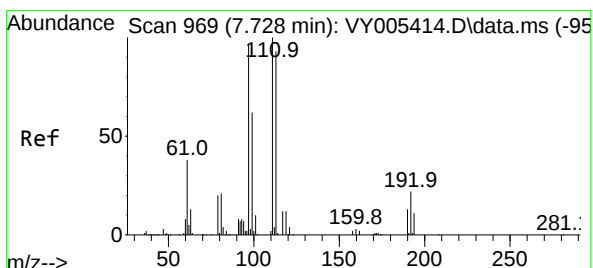
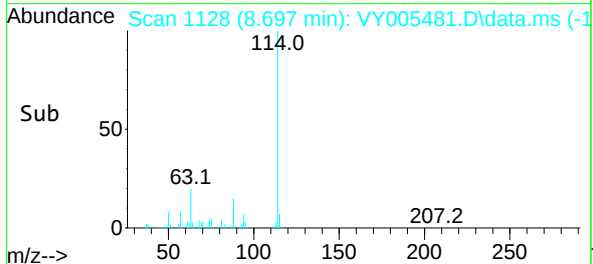
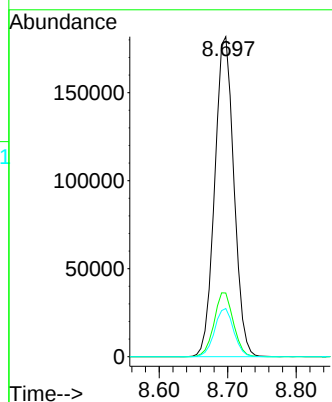
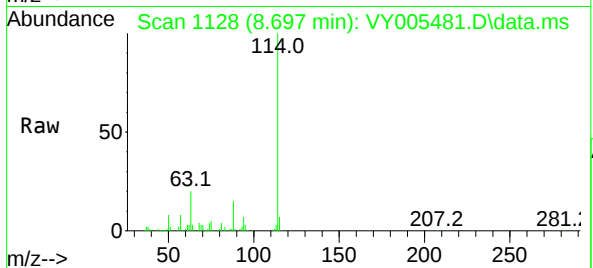


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Instrument :  
MSVOA\_Y  
ClientSampleId :

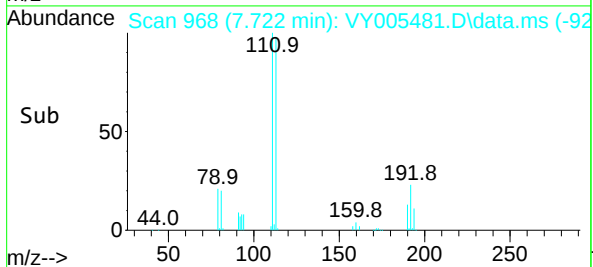
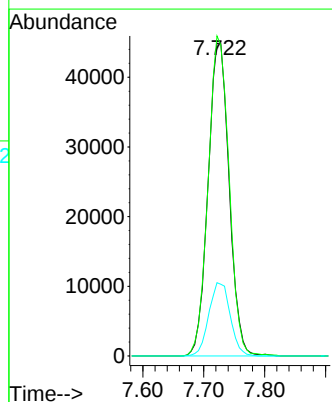
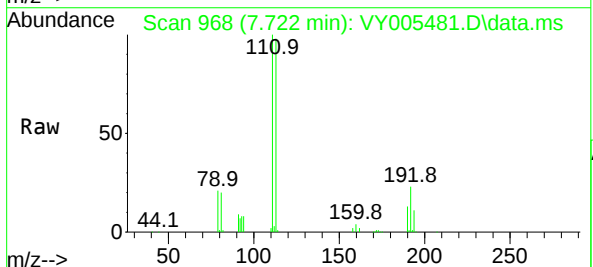
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 352377 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.9  | 0.0   | 39.0   |
| 88       | 15.0  | 0.0   | 30.8   |

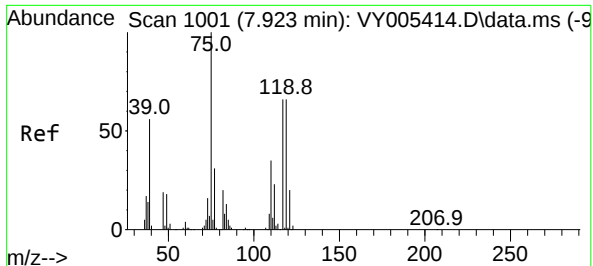


#35

Dibromofluoromethane  
Concen: 53.193 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 108230 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.3 | 82.6  | 124.0  |
| 192      | 23.7  | 18.9  | 28.3   |

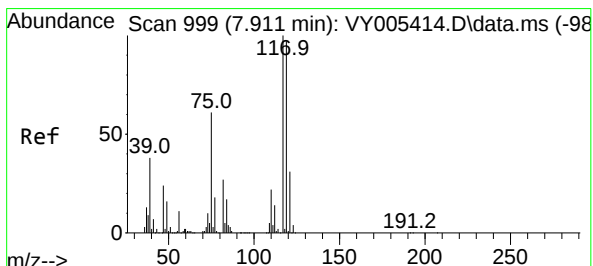
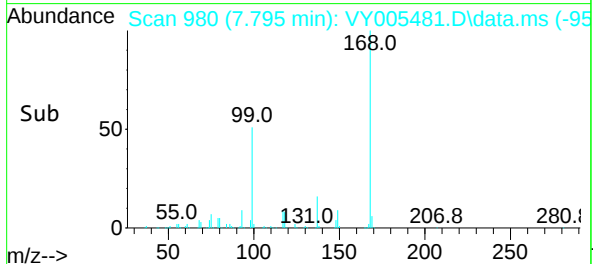
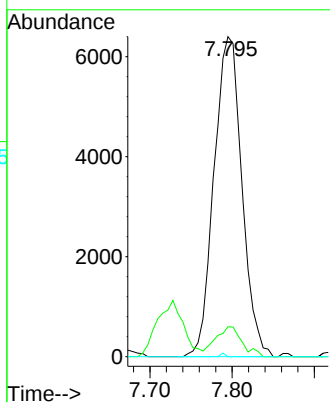
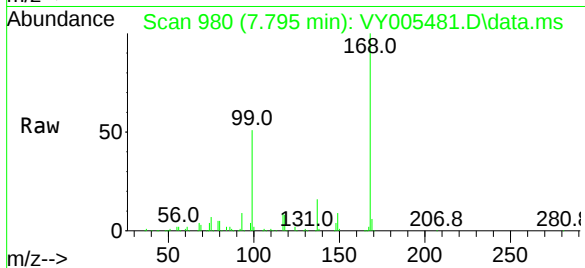




#36  
1,1-Dichloropropene  
Concen: 4.426 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

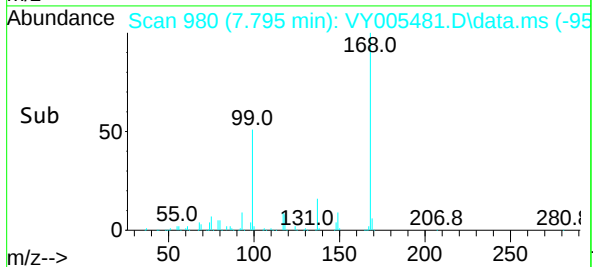
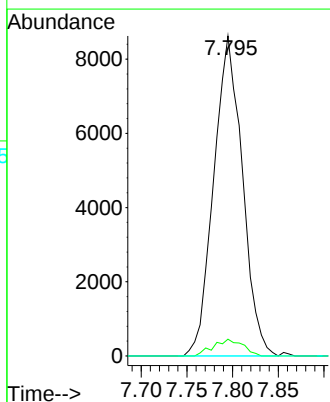
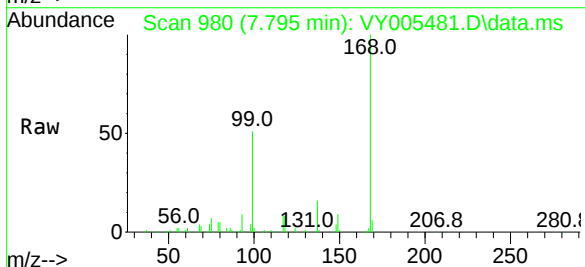
Instrument :  
MSVOA\_Y  
ClientSampleId :

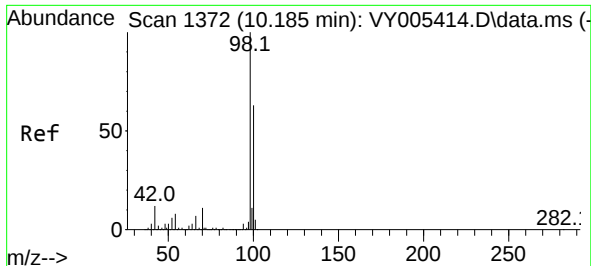
Tgt Ion: 75 Resp: 15080  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.6 52.9#  
77 0.2 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.057 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 117 Resp: 18829  
Ion Ratio Lower Upper  
117 100  
119 5.3 77.2 115.8#  
121 0.0 25.1 37.7#

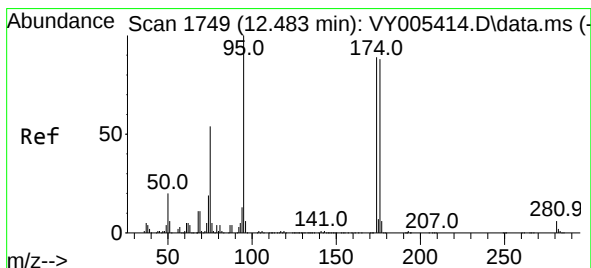
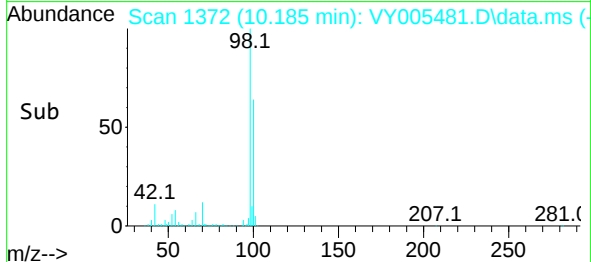
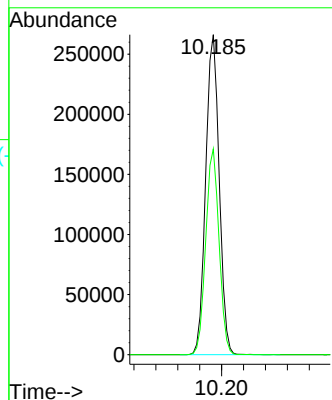
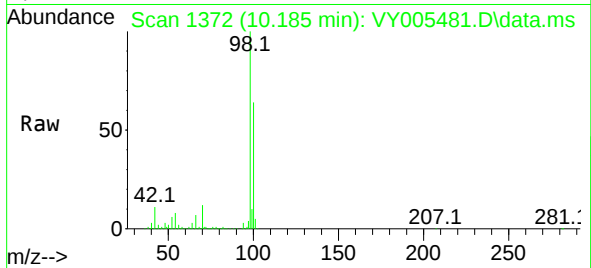




#50  
Toluene-d8  
Concen: 52.476 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

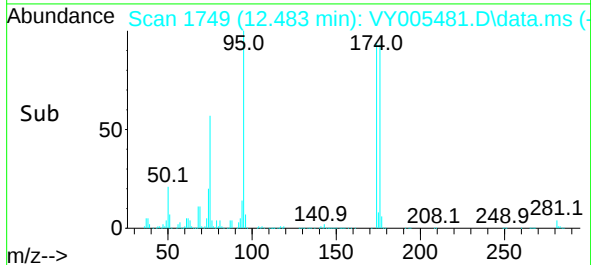
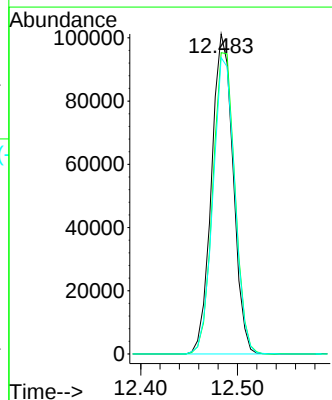
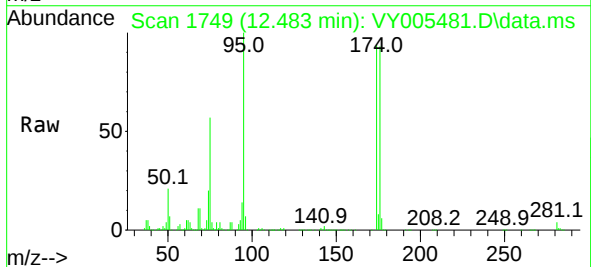
Instrument :  
MSVOA\_Y  
ClientSampled :

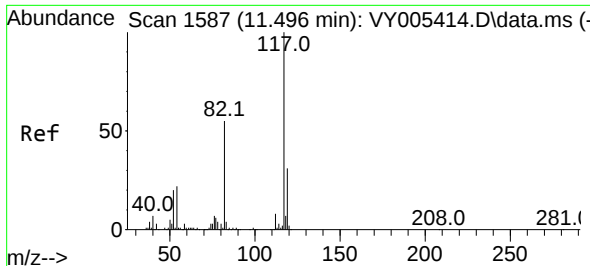
Tgt Ion: 98 Resp: 452533  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 55.116 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 95 Resp: 156869  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 186.6  
176 93.0 0.0 182.4

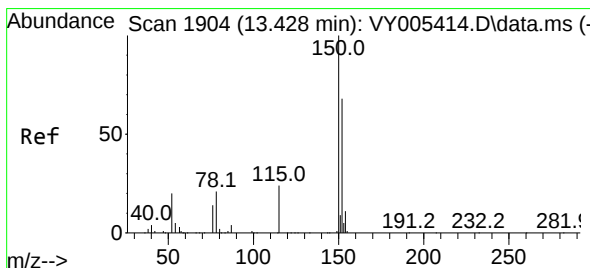
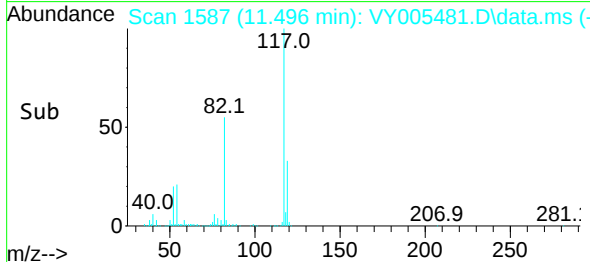
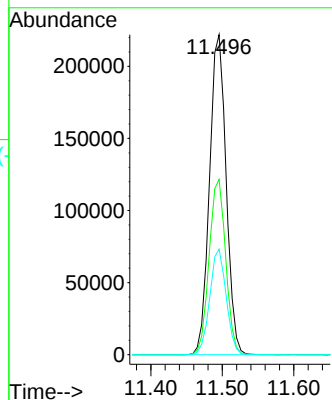
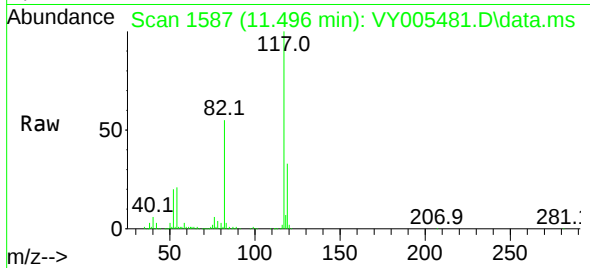




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

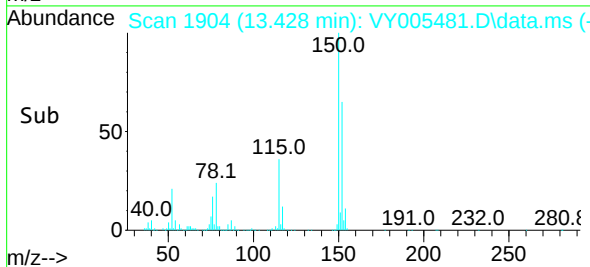
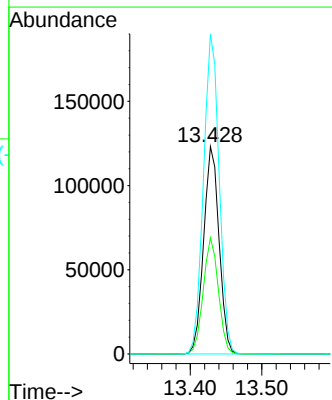
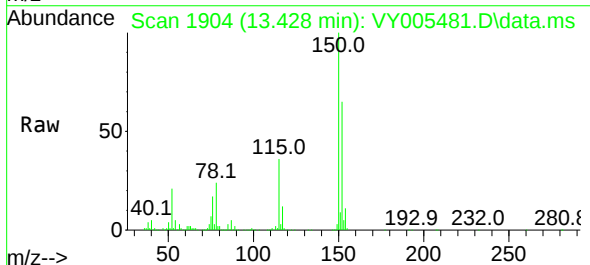
Instrument :  
MSVOA\_Y  
ClientSampled :

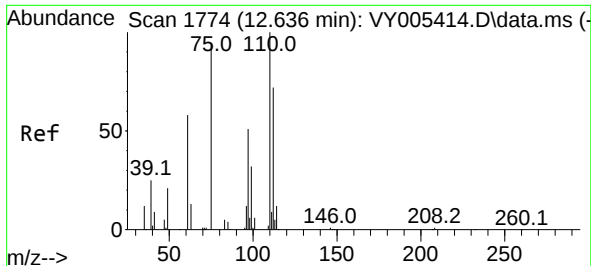
Tgt Ion:117 Resp: 357942  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.8 65.6  
119 33.0 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion:152 Resp: 184690  
Ion Ratio Lower Upper  
152 100  
115 54.9 27.7 83.1  
150 156.7 0.0 349.6

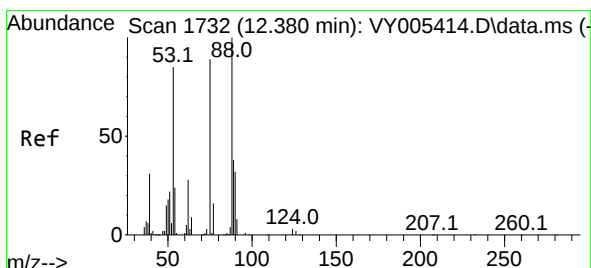
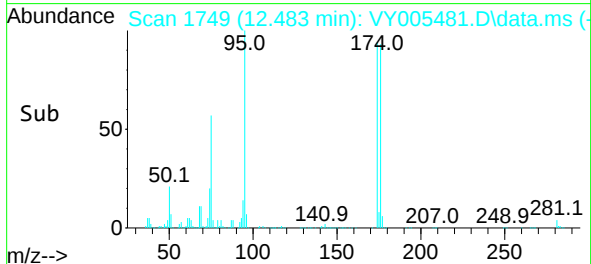
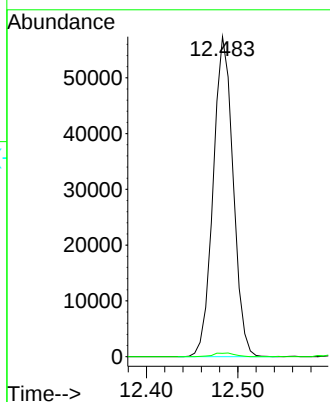
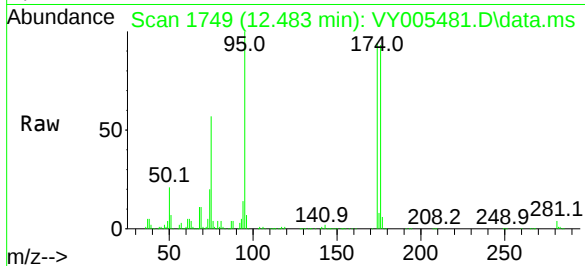




#76  
1,2,3-Trichloropropane  
Concen: 47.902 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 87053  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.013 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005481.D  
Acq: 28 Jul 2021 11:55

Tgt Ion: 75 Resp: 87053  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.1 114.1#  
89 0.0 36.9 55.3#

