

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
 Data File : VY005423.D  
 Acq On : 23 Jul 2021 18:13  
 Operator : SY/MD  
 Sample : M3131-03  
 Misc : 9.51G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210722-8

Quant Time: Jul 24 03:01:51 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

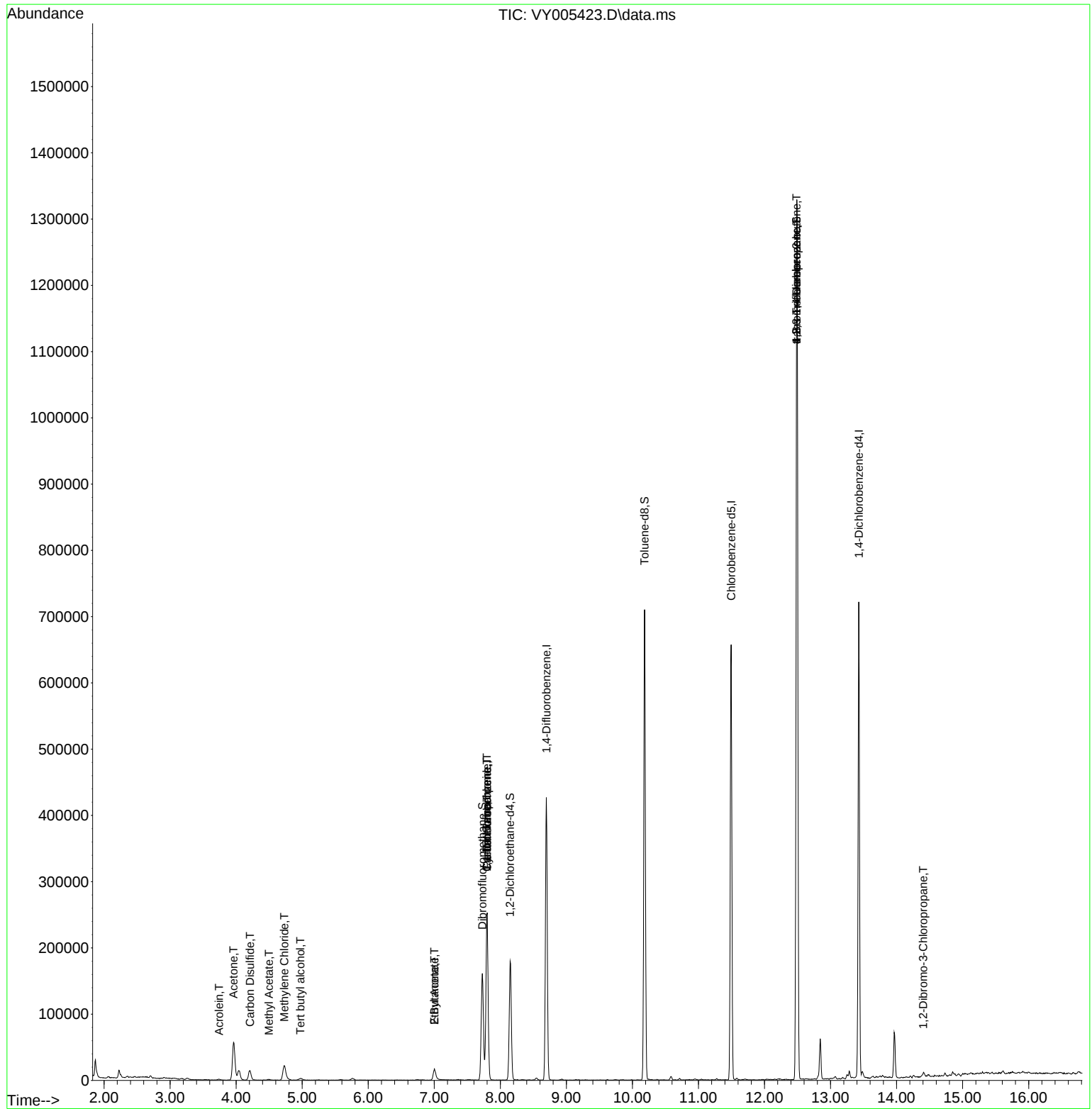
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 206264   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 352690   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 355033   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 178822   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 145578   | 66.064   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 132.120% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 109888   | 53.960   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 107.920% |          |
| 50) Toluene-d8                | 10.185 | 98    | 452901   | 52.472   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 104.940% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 162905   | 57.185   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 114.380% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 5387     | 25.878   | ug/l #     | 95       |
| 13) Acrolein                  | 3.741  | 56    | 1538     | 8.068    | ug/l #     | 62       |
| 16) Acetone                   | 3.960  | 43    | 100832   | 200.367  | ug/l       | 99       |
| 17) Carbon Disulfide          | 4.210  | 76    | 28655    | 4.394    | ug/l       | 97       |
| 18) Methyl Acetate            | 4.497  | 43    | 1975     | 1.396    | ug/l #     | 83       |
| 20) Methylene Chloride        | 4.728  | 84    | 16413    | 4.589    | ug/l       | 98       |
| 25) 2-Butanone                | 7.002  | 43    | 23613    | 31.333   | ug/l       | 100      |
| 31) Cyclohexane               | 7.795  | 56    | 4118     | 1.094    | ug/l #     | 18       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 14570    | 4.273    | ug/l #     | 50       |
| 37) Ethyl Acetate             | 7.002  | 43    | 23613    | 11.375   | ug/l #     | 71       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 18717    | 5.023    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 92796    | 52.738   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 92796    | 102.402  | ug/l #     | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.403 | 75    | 1261     | 2.762    | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

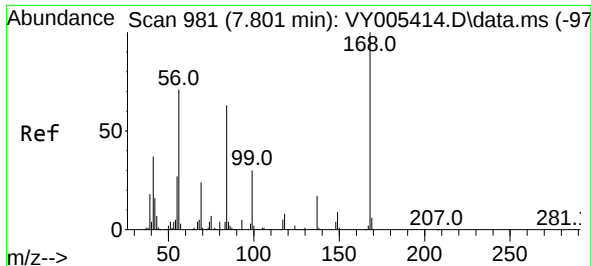
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
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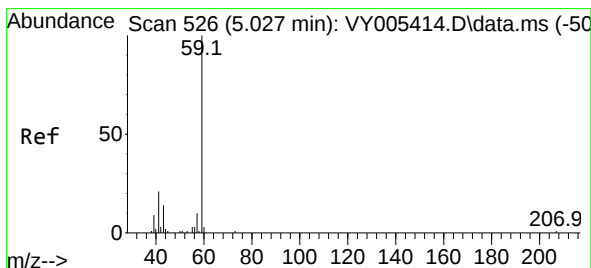
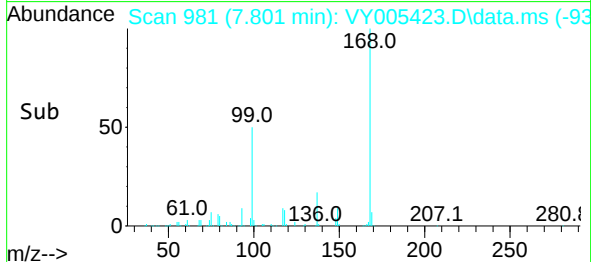
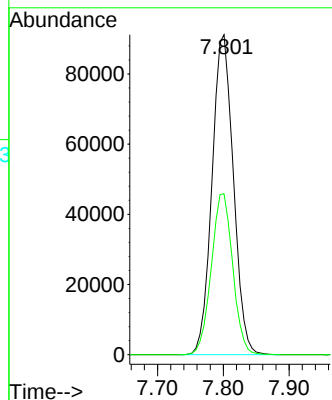
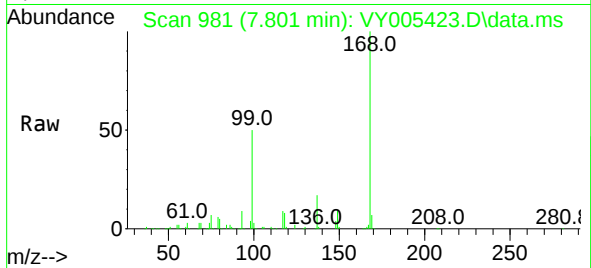




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

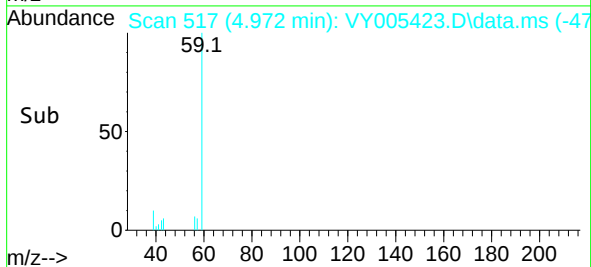
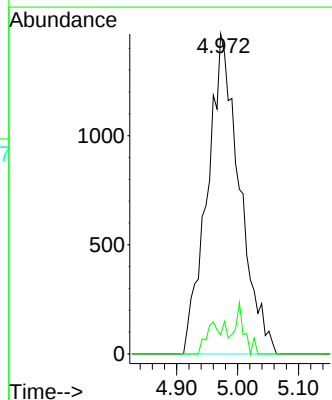
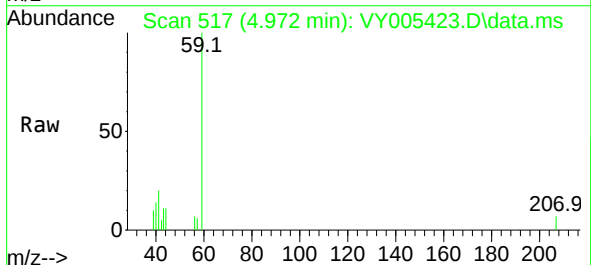
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210722-8

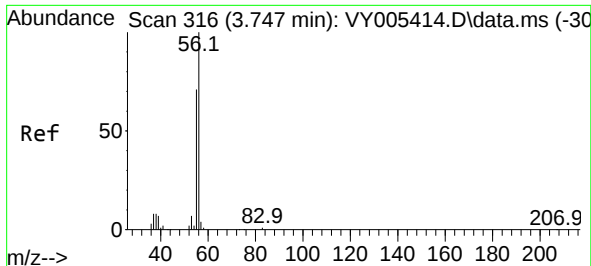
Tgt Ion:168 Resp: 206264  
Ion Ratio Lower Upper  
168 100  
99 50.3 39.8 59.6



#11  
Tert butyl alcohol  
Concen: 25.878 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.055 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 59 Resp: 5387  
Ion Ratio Lower Upper  
59 100  
57 4.1 4.7 7.1#

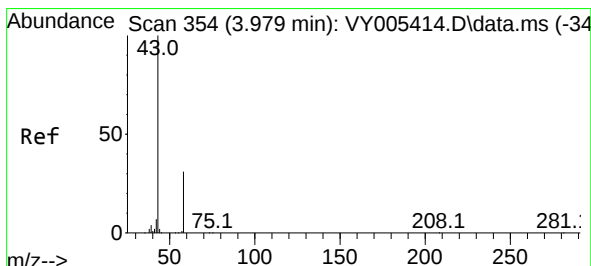
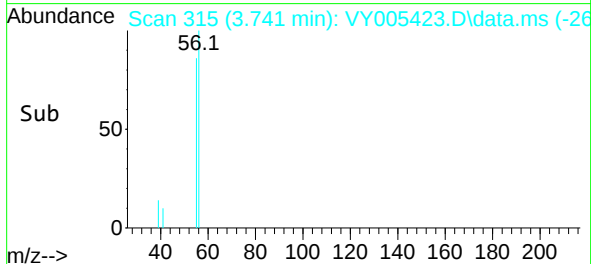
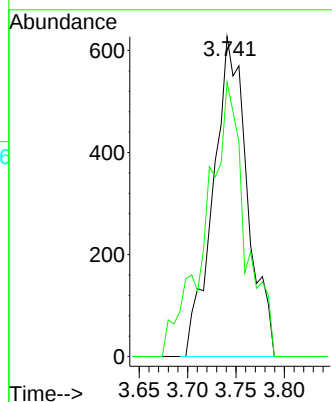
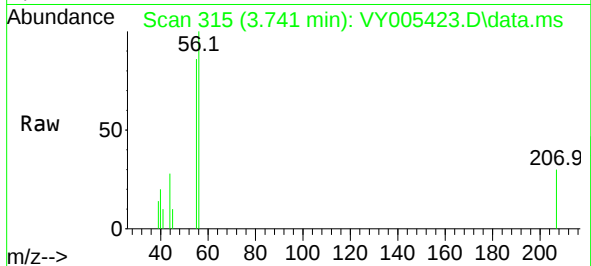




#13  
Acrolein  
Concen: 8.068 ug/l  
RT: 3.741 min Scan# 315  
Delta R.T. -0.006 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

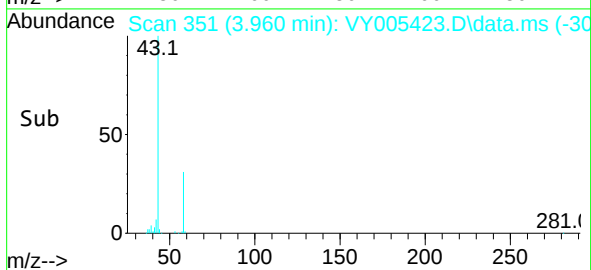
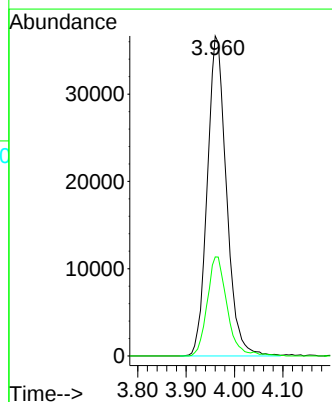
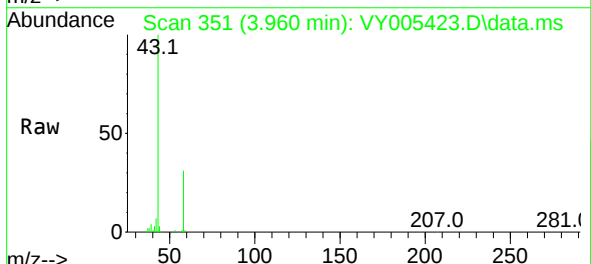
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210722-8

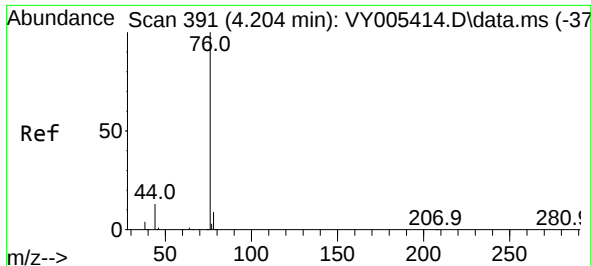
Tgt Ion: 56 Resp: 1538  
Ion Ratio Lower Upper  
56 100  
55 99.6 55.2 82.8#



#16  
Acetone  
Concen: 200.367 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.018 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 43 Resp: 100832  
Ion Ratio Lower Upper  
43 100  
58 30.9 24.5 36.7

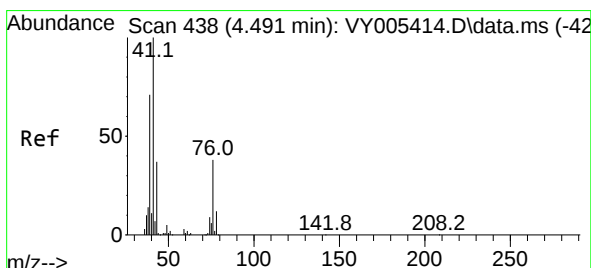
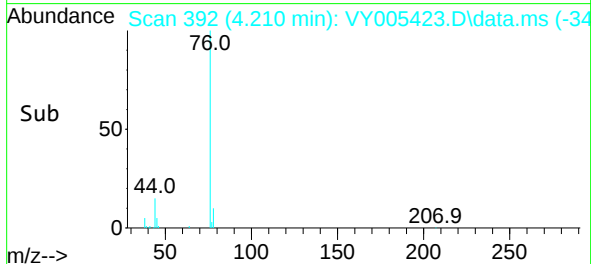
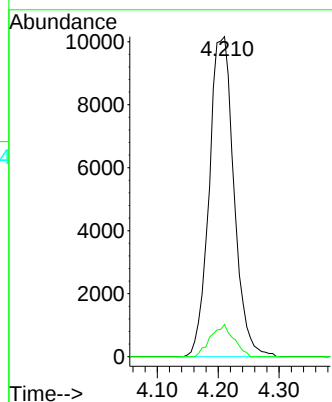
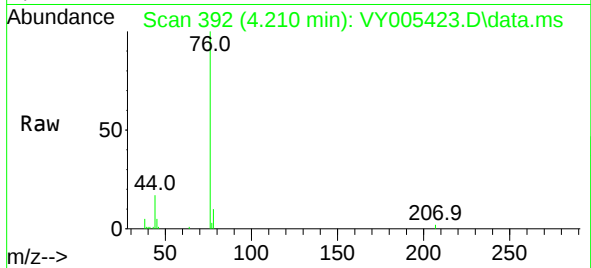




#17  
Carbon Disulfide  
Concen: 4.394 ug/l  
RT: 4.210 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

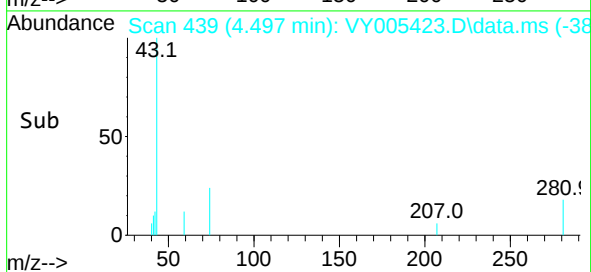
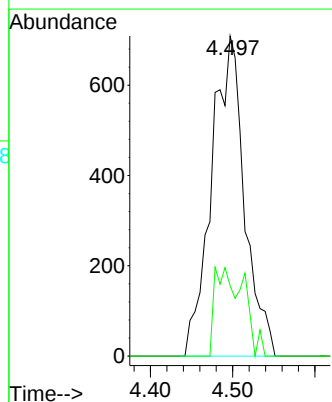
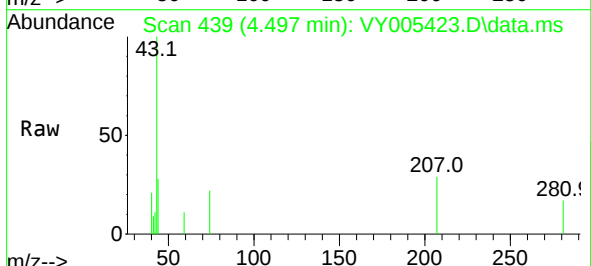
Instrument :  
MSVOA\_Y  
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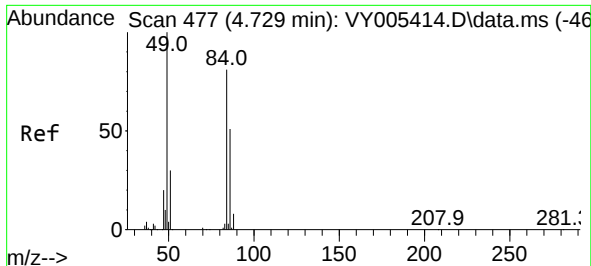
Tgt Ion: 76 Resp: 28655  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.3 10.9



#18  
Methyl Acetate  
Concen: 1.396 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 43 Resp: 1975  
Ion Ratio Lower Upper  
43 100  
74 15.5 19.2 28.8#

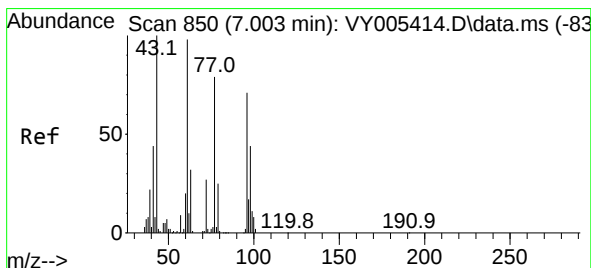
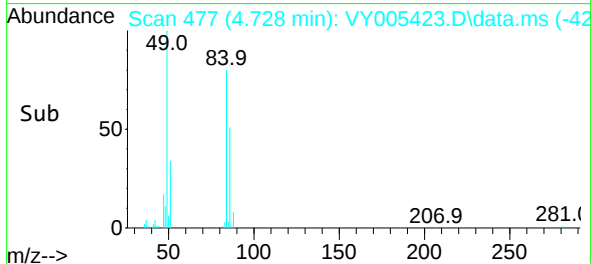
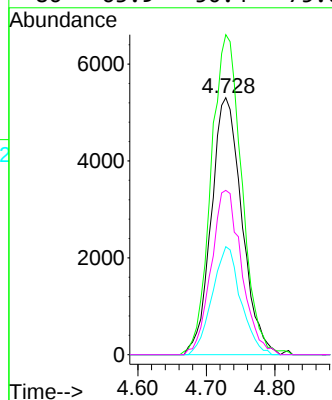
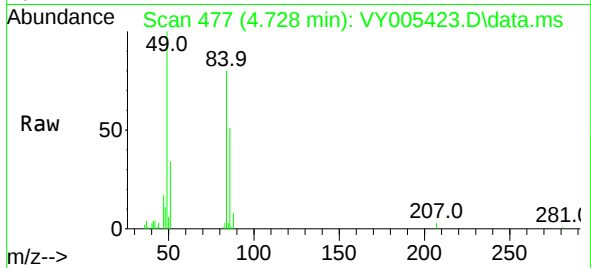




#20  
Methylene Chloride  
Concen: 4.589 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

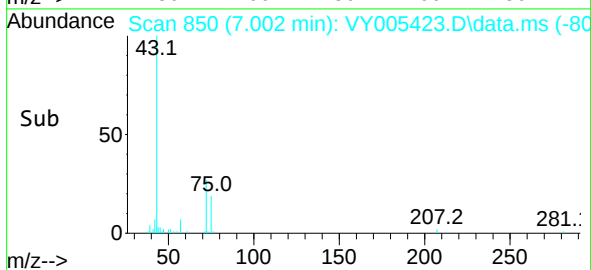
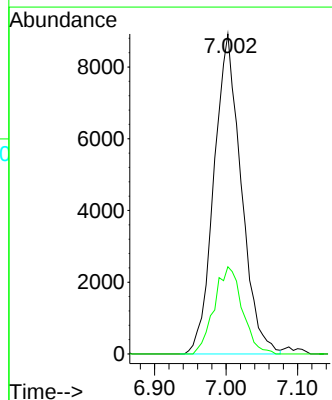
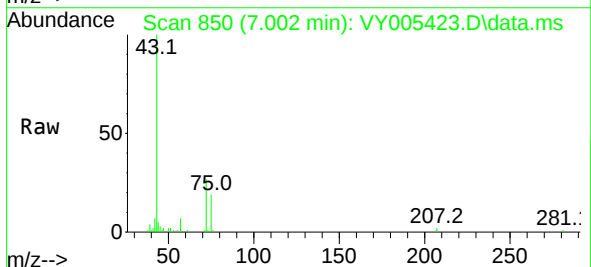
Instrument :  
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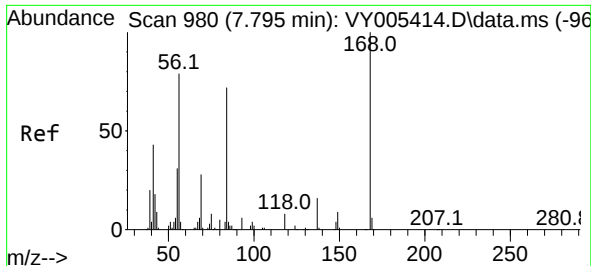
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 16413 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.5 | 98.9  | 148.3 |
| 51       | 42.0  | 30.0  | 45.0  |
| 86       | 63.9  | 50.4  | 75.6  |



#25  
2-Butanone  
Concen: 31.333 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 23613 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 27.3  | 21.9  | 32.9  |

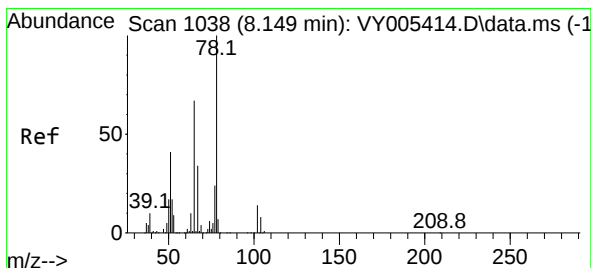
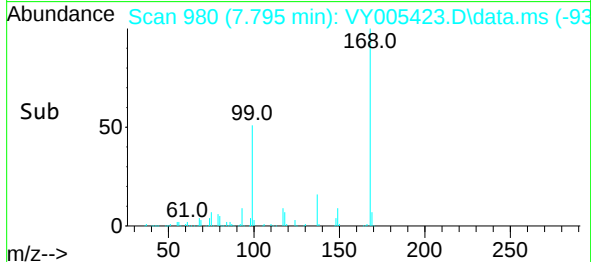
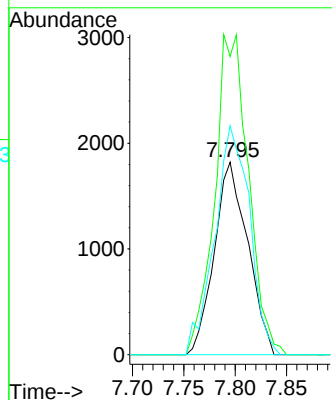
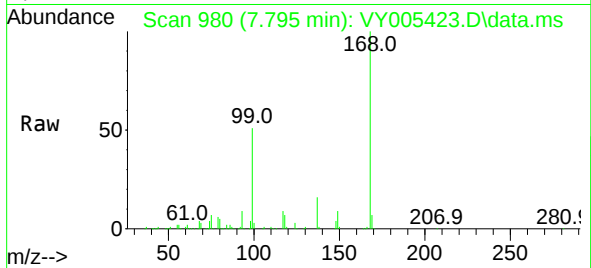




#31  
Cyclohexane  
Concen: 1.094 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

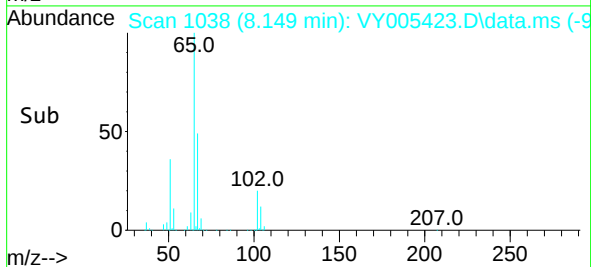
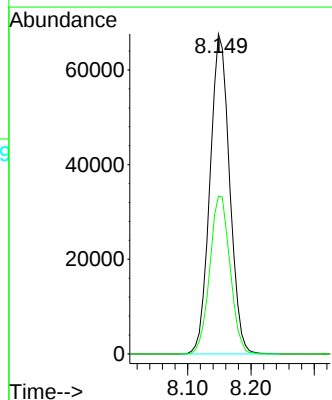
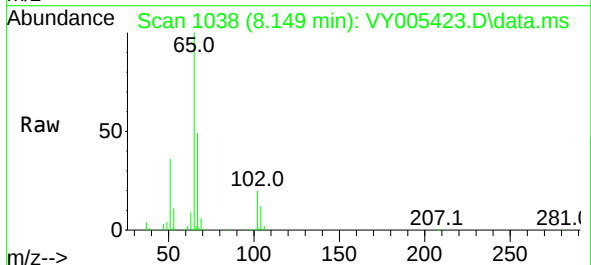
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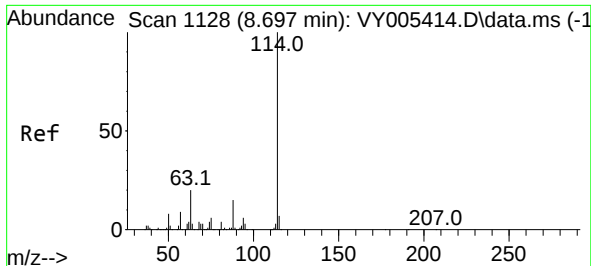
Tgt Ion: 56 Resp: 4118  
Ion Ratio Lower Upper  
56 100  
69 154.9 28.7 43.1#  
84 124.8 73.0 109.6#



#33  
1,2-Dichloroethane-d4  
Concen: 66.064 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 65 Resp: 145578  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 102.2

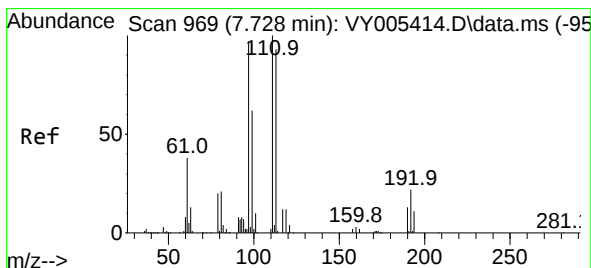
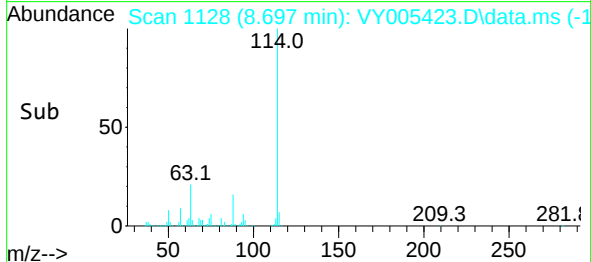
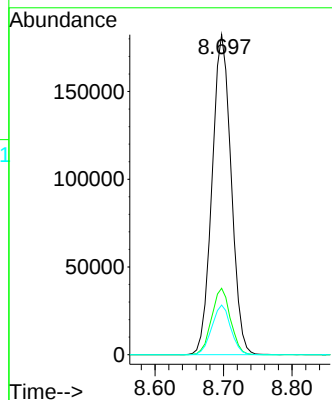
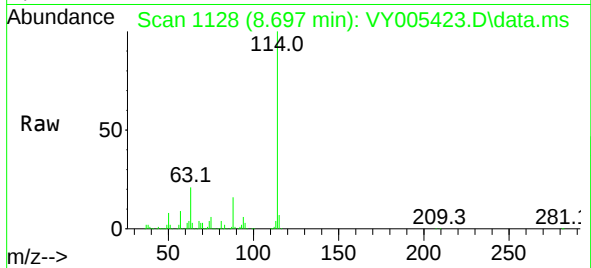




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

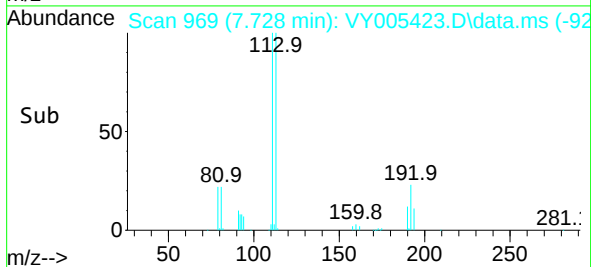
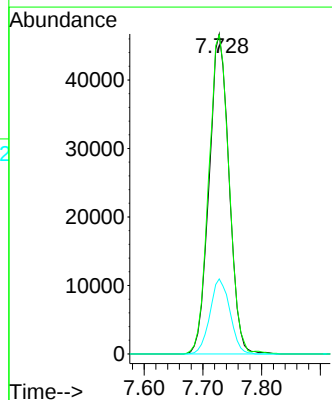
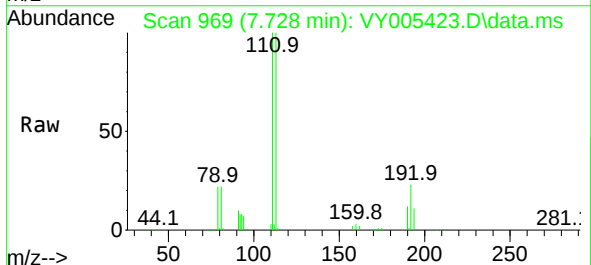
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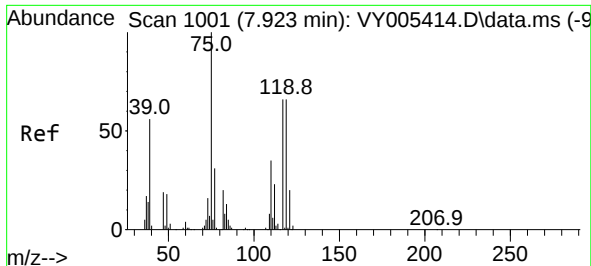
Tgt Ion:114 Resp: 352690  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 39.0  
88 15.5 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 53.960 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion:113 Resp: 109888  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 124.0  
192 23.5 18.9 28.3





#36

1,1-Dichloropropene

Concen: 4.273 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005423.D

Acq: 23 Jul 2021 18:13

Tgt Ion: 75 Resp: 14570

Ion Ratio Lower Upper

75 100

110 9.6 17.6 52.9#

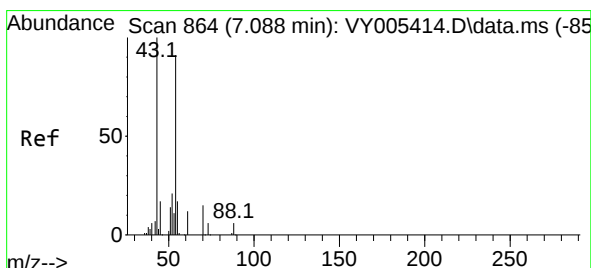
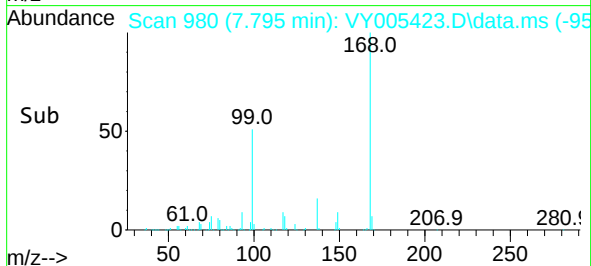
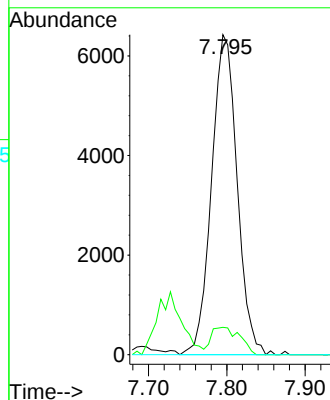
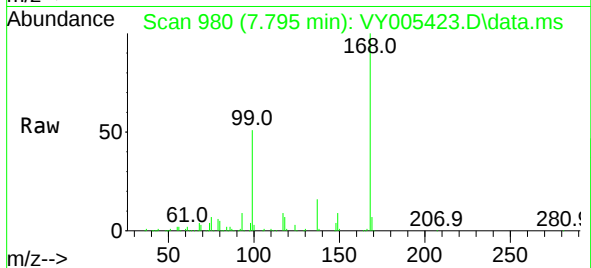
77 0.0 24.6 37.0#

Instrument :

MSVOA\_Y

ClientSampleId :

20210722-8



#37

Ethyl Acetate

Concen: 11.375 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.085 min

Lab File: VY005423.D

Acq: 23 Jul 2021 18:13

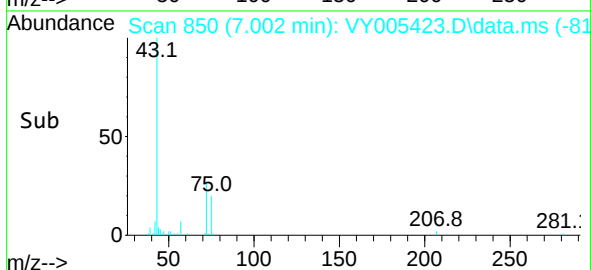
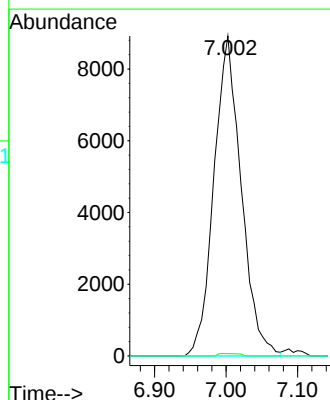
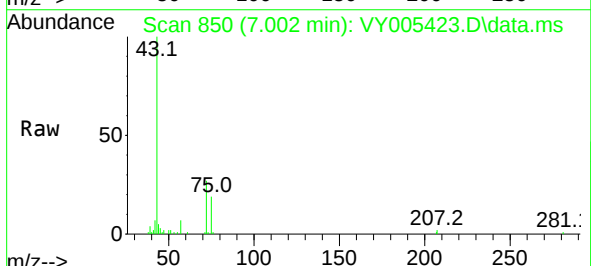
Tgt Ion: 43 Resp: 23613

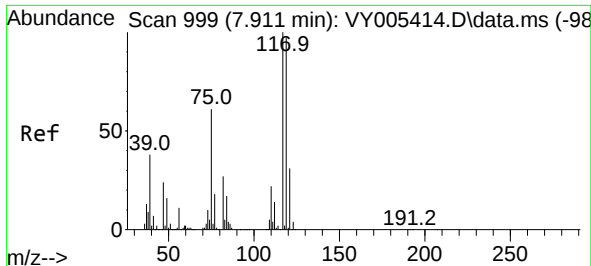
Ion Ratio Lower Upper

43 100

61 0.6 10.3 15.5#

70 0.0 7.9 11.9#

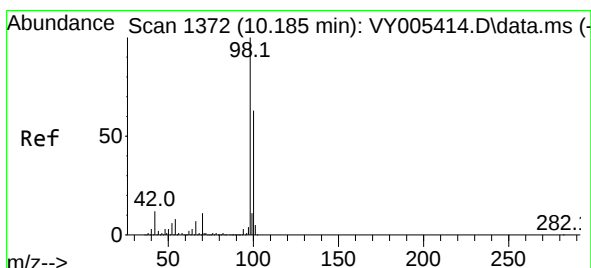
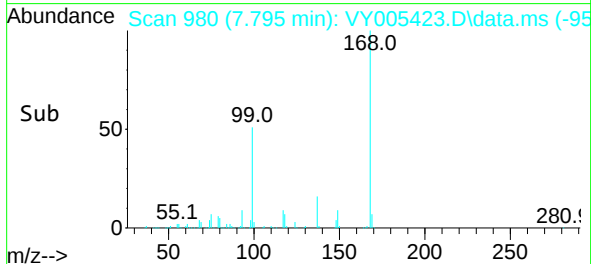
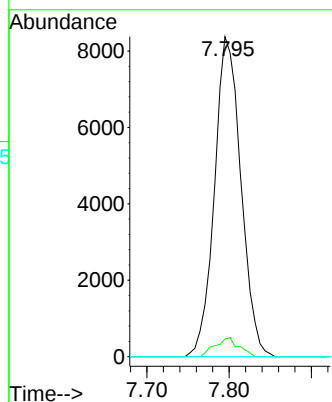
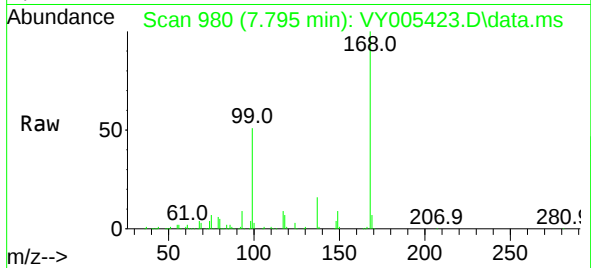




#38  
Carbon Tetrachloride  
Concen: 5.023 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

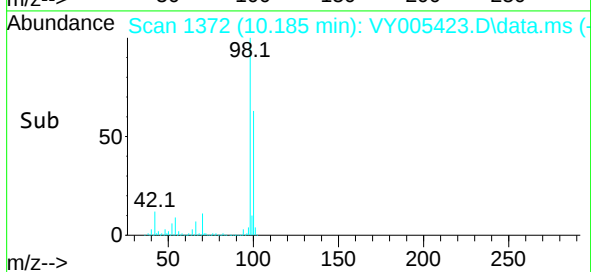
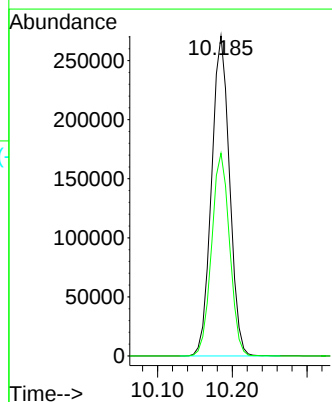
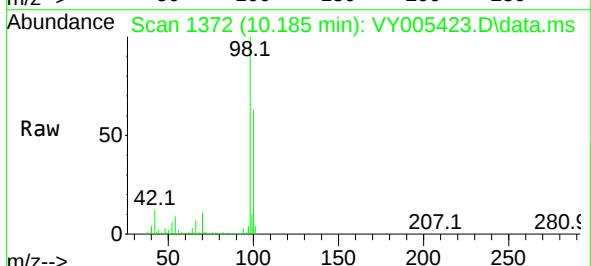
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210722-8

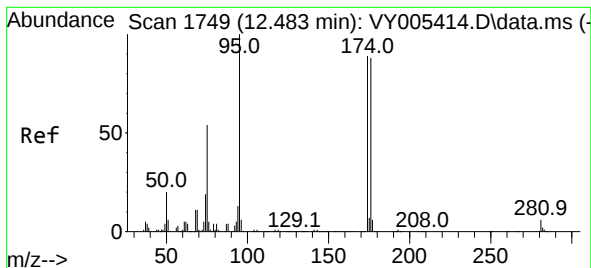
Tgt Ion:117 Resp: 18717  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.2 115.8#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 52.472 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 98 Resp: 452901  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3

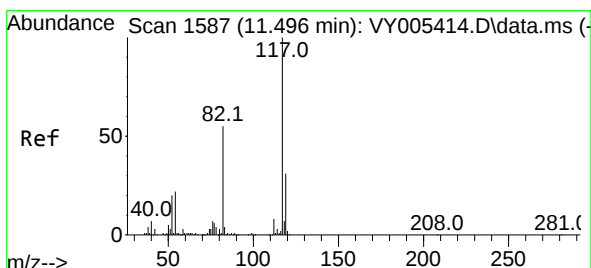
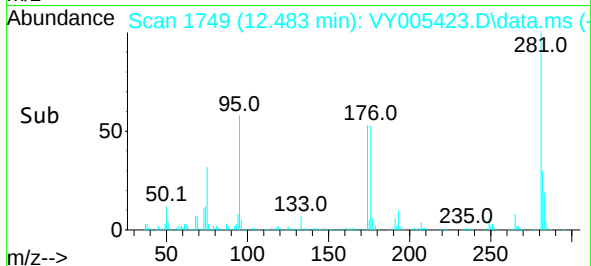
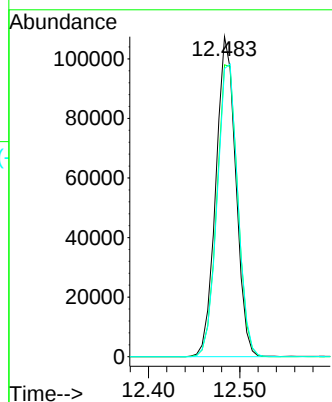
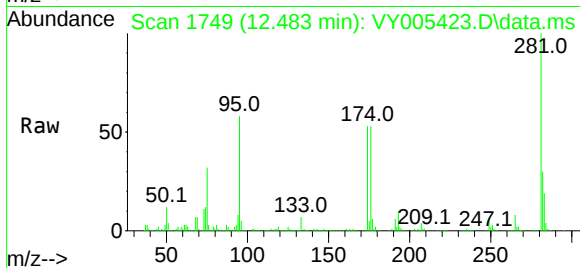




#62  
4-Bromofluorobenzene  
Concen: 57.185 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

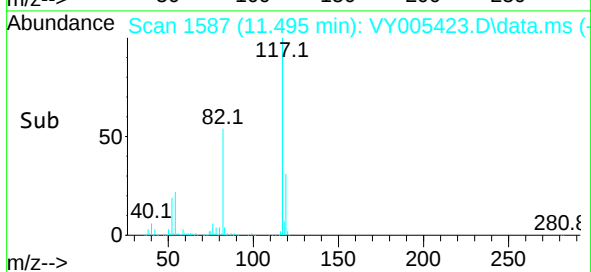
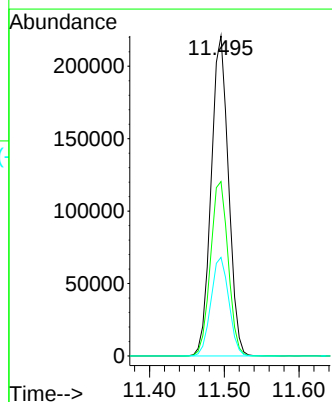
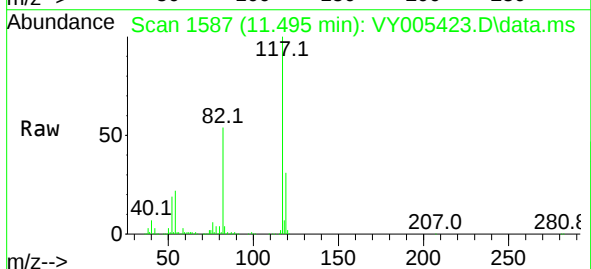
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210722-8

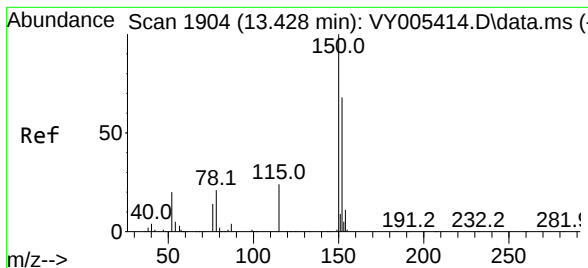
Tgt Ion: 95 Resp: 162905  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 186.6  
176 94.3 0.0 182.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

Tgt Ion: 117 Resp: 355033  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.8 65.6  
119 30.8 24.8 37.2

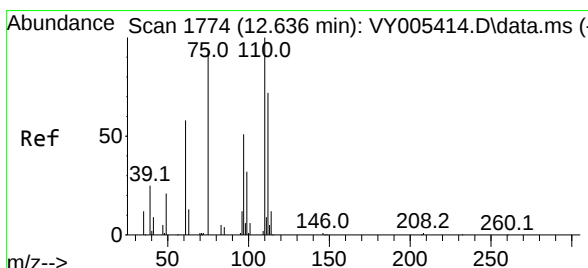
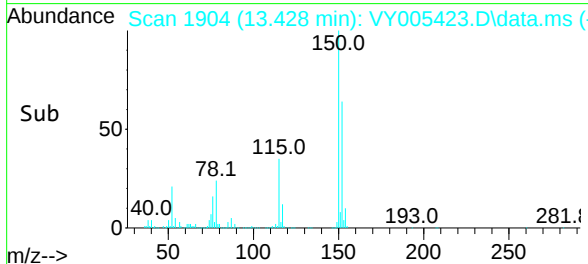
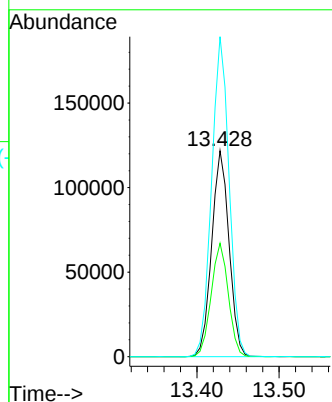
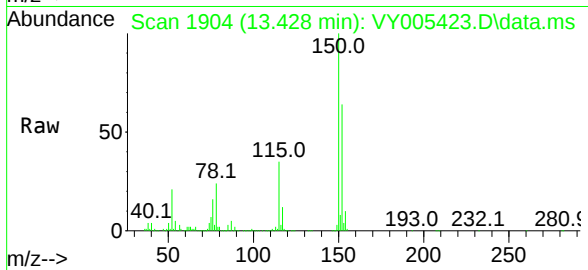




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005423.D  
 Acq: 23 Jul 2021 18:13

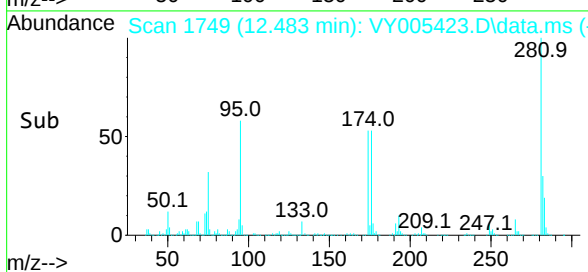
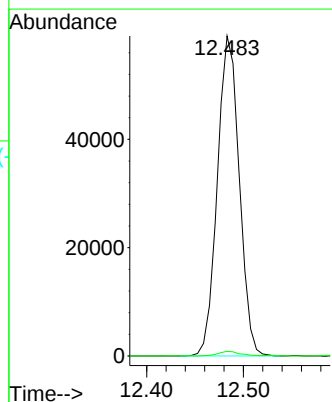
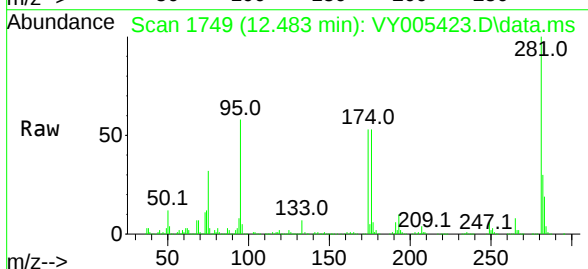
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210722-8

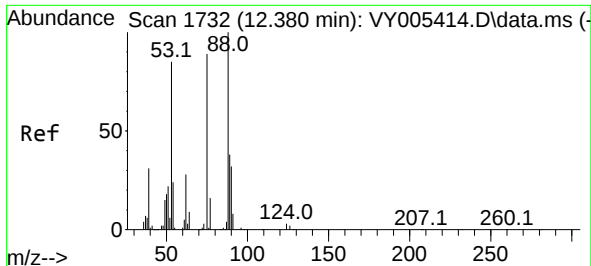
Tgt Ion:152 Resp: 178822  
 Ion Ratio Lower Upper  
 152 100  
 115 54.4 27.7 83.1  
 150 155.9 0.0 349.6



#76  
 1,2,3-Trichloropropane  
 Concen: 52.738 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005423.D  
 Acq: 23 Jul 2021 18:13

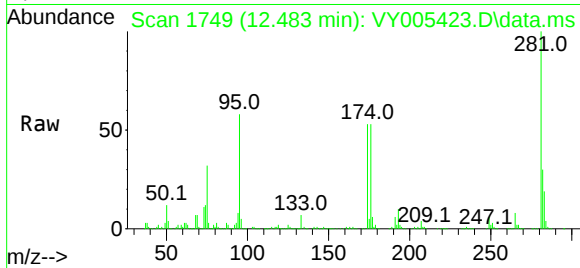
Tgt Ion: 75 Resp: 92796  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#



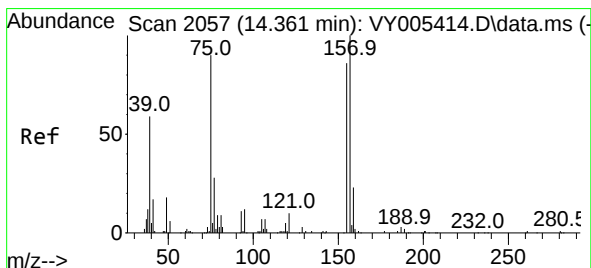
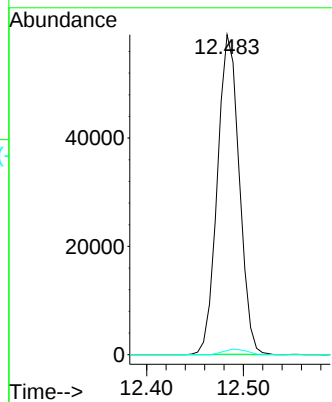
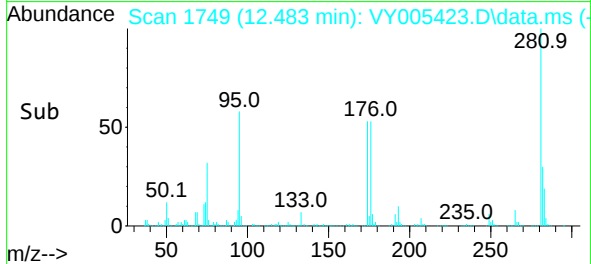


#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.402 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13

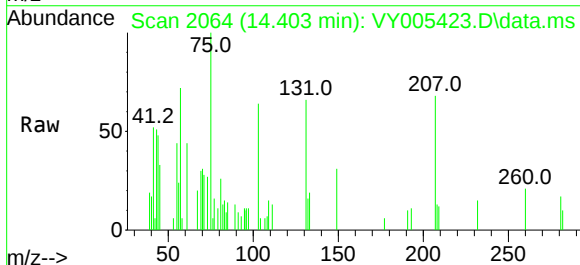
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210722-8



Tgt Ion: 75 Resp: 92796  
Ion Ratio Lower Upper  
75 100  
53 0.2 76.1 114.1#  
89 1.8 36.9 55.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.762 ug/l  
RT: 14.403 min Scan# 2064  
Delta R.T. 0.043 min  
Lab File: VY005423.D  
Acq: 23 Jul 2021 18:13



Tgt Ion: 75 Resp: 1261  
Ion Ratio Lower Upper  
75 100  
155 0.0 43.6 130.8#  
157 0.0 54.1 162.3#

