

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
 Data File : VY005433.D  
 Acq On : 23 Jul 2021 22:05  
 Operator : SY/MD  
 Sample : M3159-06  
 Misc : 3.61G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210430-16

Quant Time: Jul 24 03:04:46 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

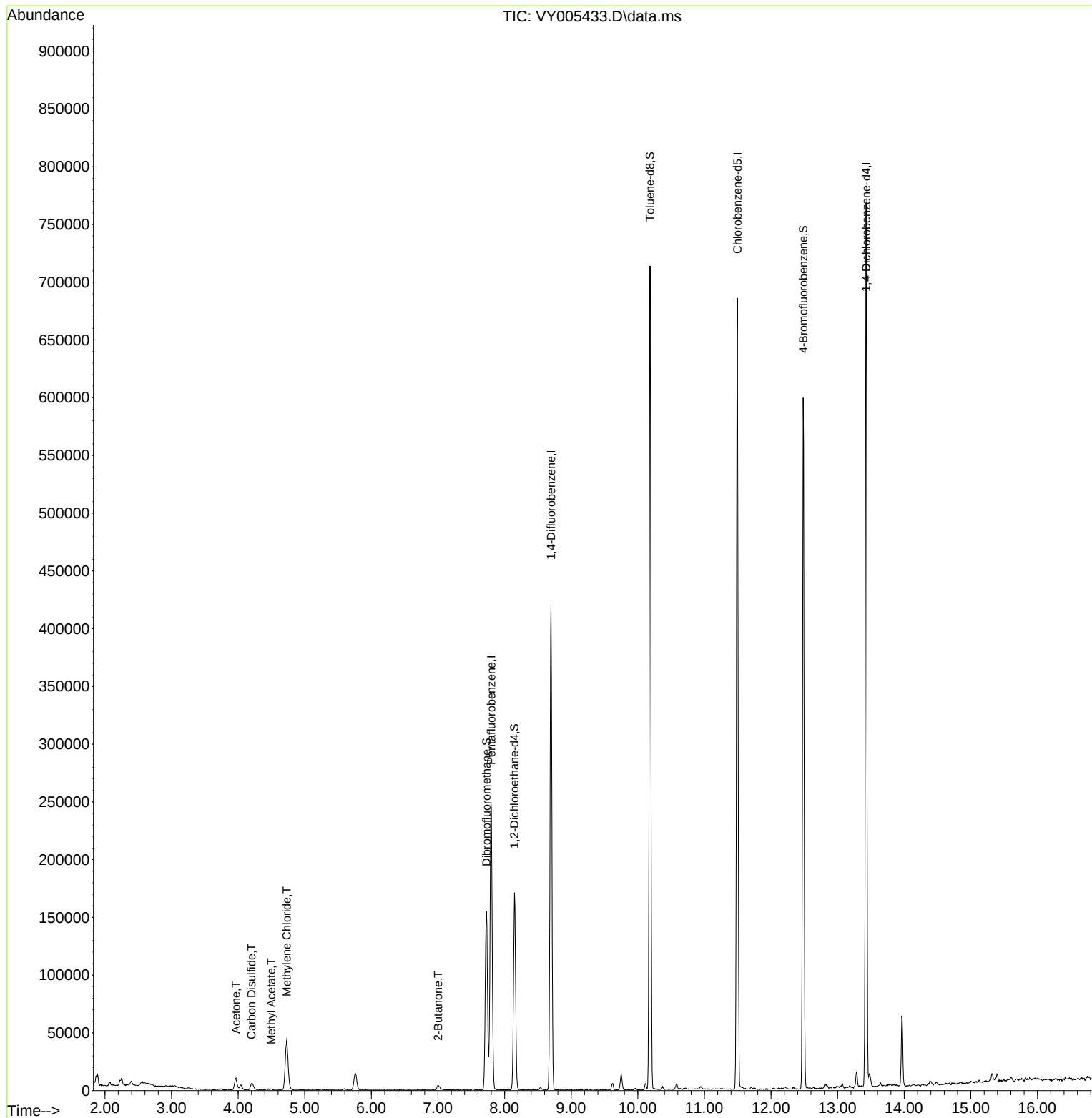
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 203183   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 347466   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 360514   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 191582   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 138607   | 63.85    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 127.70%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 107472   | 53.57    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 107.14%  |
| 50) Toluene-d8              | 10.185 | 98    | 452852   | 53.26    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 106.52%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 164067   | 58.46    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 116.92%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 3.966  | 43    | 17523    | 35.35    | ug/l   | 94       |
| 17) Carbon Disulfide        | 4.198  | 76    | 11324    | 1.76     | ug/l # | 94       |
| 18) Methyl Acetate          | 4.497  | 43    | 1426     | 1.02     | ug/l # | 74       |
| 20) Methylene Chloride      | 4.728  | 84    | 31149    | 9.92     | ug/l   | 99       |
| 25) 2-Butanone              | 7.002  | 43    | 5864     | 7.90     | ug/l # | 87       |
| -----                       |        |       |          |          |        |          |

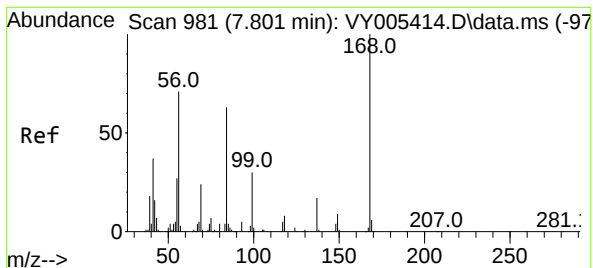
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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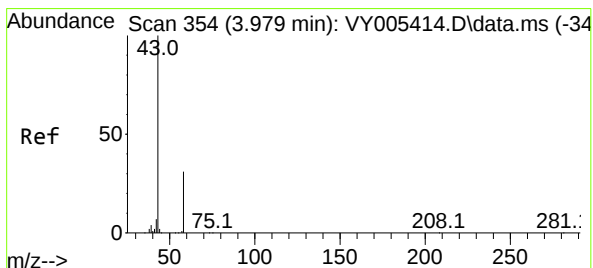
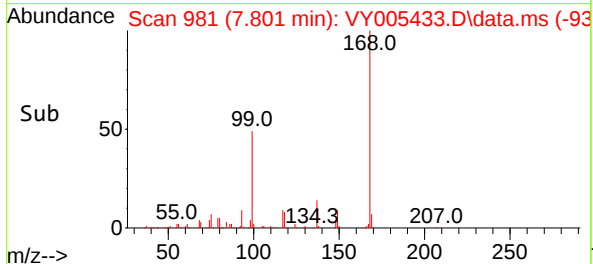
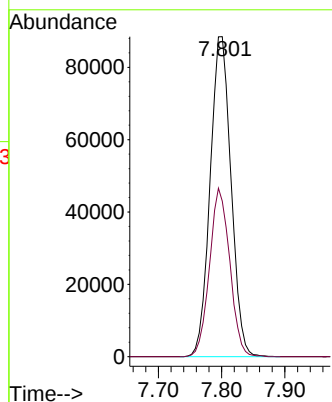
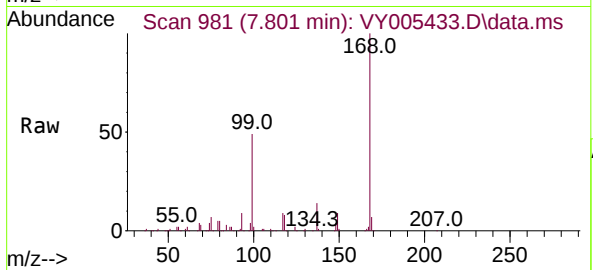




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

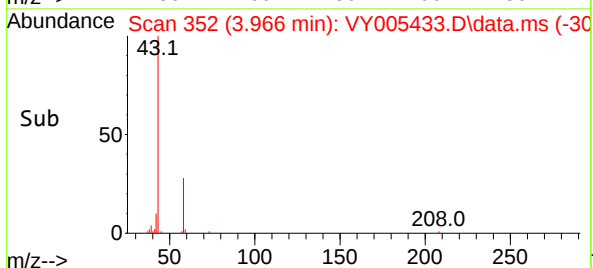
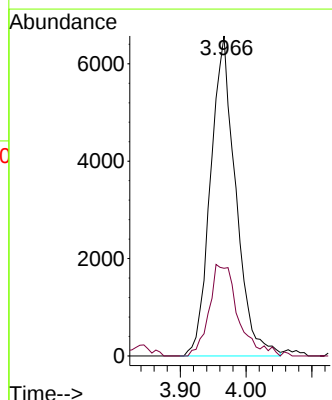
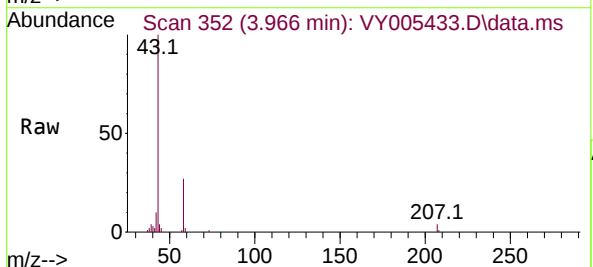
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MSVOA\_Y  
ClientSampleId :  
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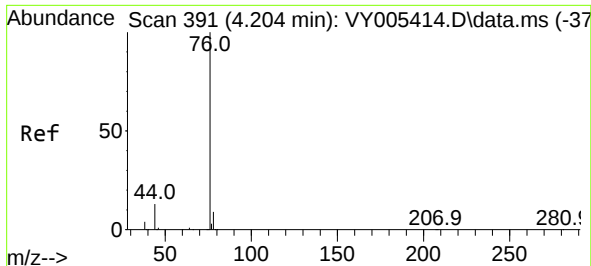
Tgt Ion:168 Resp: 203183  
Ion Ratio Lower Upper  
168 100  
99 48.6 39.8 59.6



#16  
Acetone  
Concen: 35.35 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. -0.012 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

Tgt Ion: 43 Resp: 17523  
Ion Ratio Lower Upper  
43 100  
58 27.4 24.5 36.7

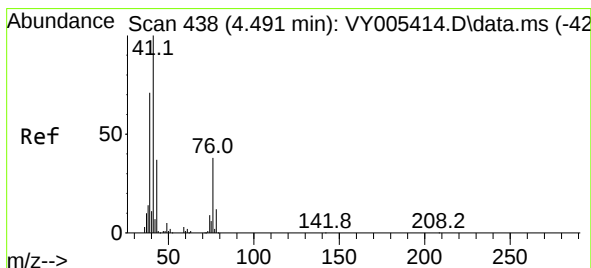
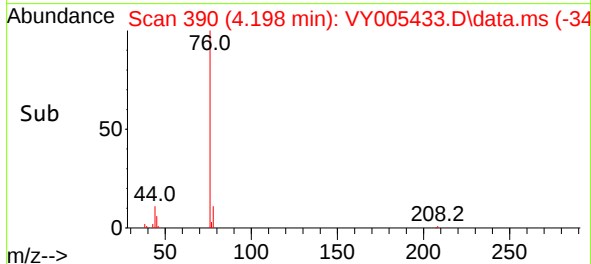
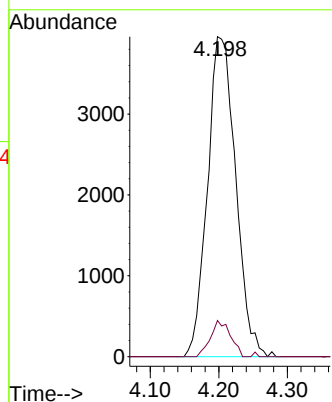
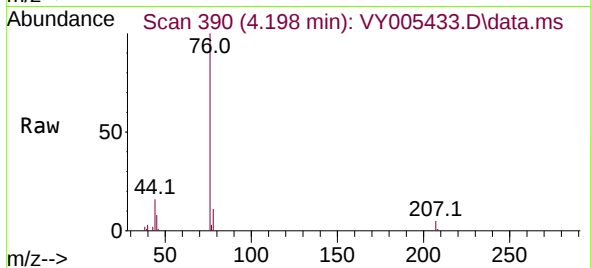




#17  
Carbon Disulfide  
Concen: 1.76 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

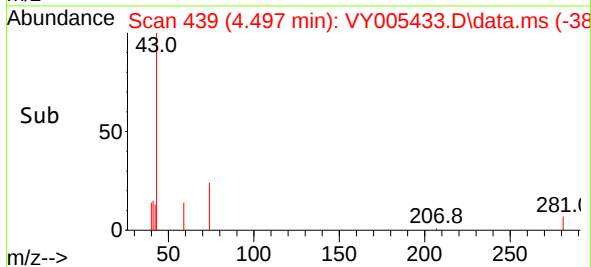
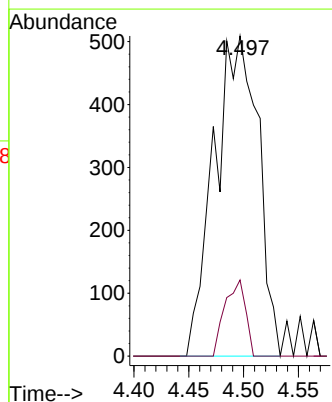
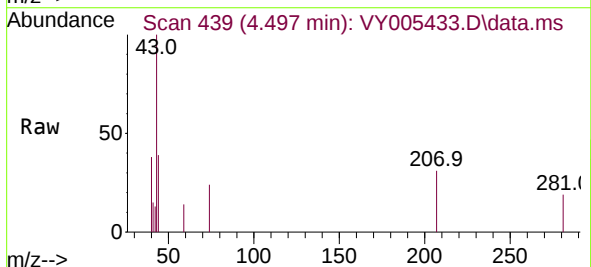
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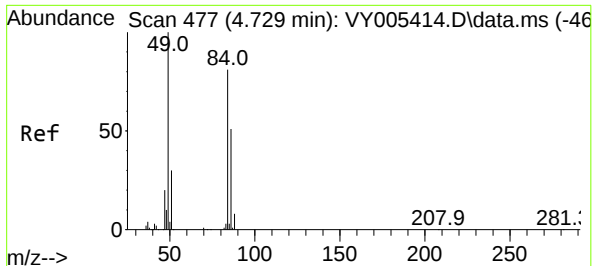
Tgt Ion: 76 Resp: 11324  
Ion Ratio Lower Upper  
76 100  
78 11.3 7.3 10.9#



#18  
Methyl Acetate  
Concen: 1.02 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

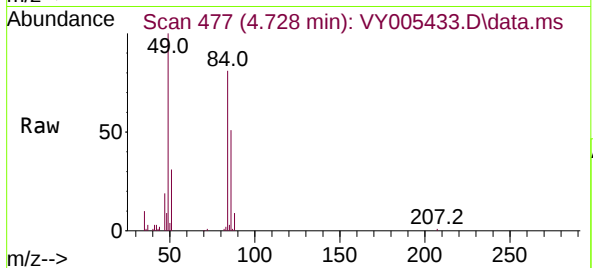
Tgt Ion: 43 Resp: 1426  
Ion Ratio Lower Upper  
43 100  
74 11.2 19.2 28.8#



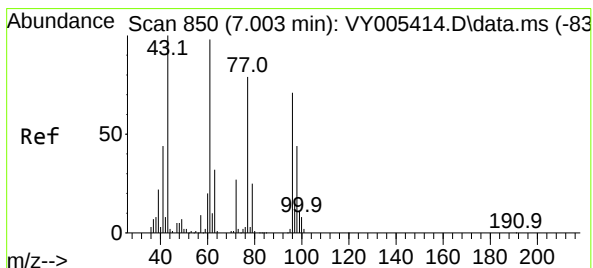
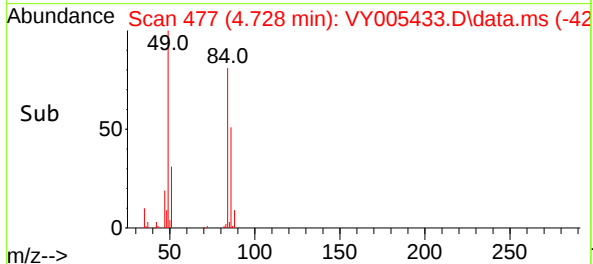
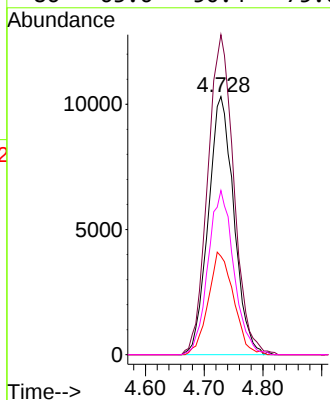


#20  
Methylene Chloride  
Concen: 9.92 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210430-16

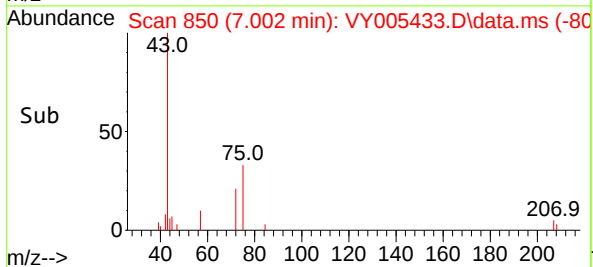
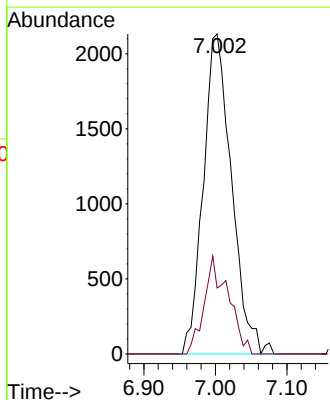
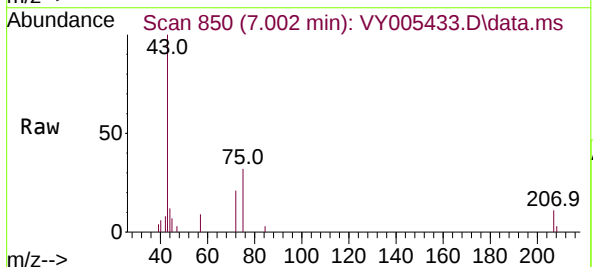


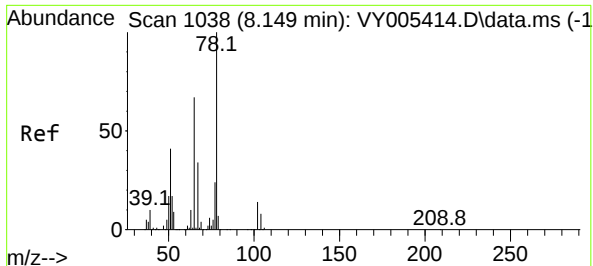
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 31149 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.0 | 98.9  | 148.3 |
| 51       | 38.1  | 30.0  | 45.0  |
| 86       | 63.6  | 50.4  | 75.6  |



#25  
2-Butanone  
Concen: 7.90 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5864  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.6  | 21.9  | 32.9# |

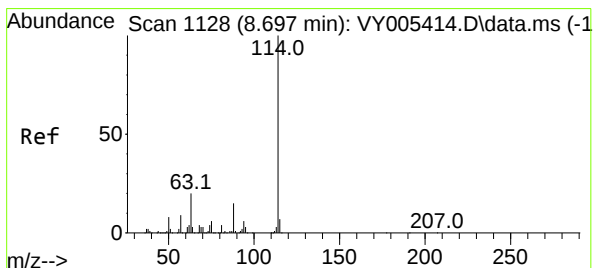
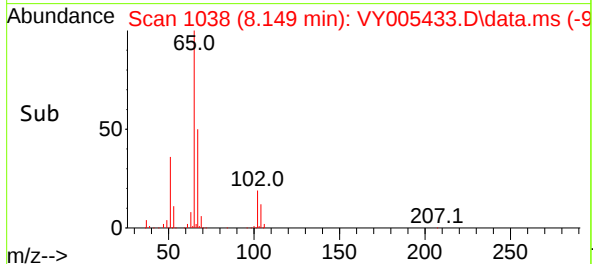
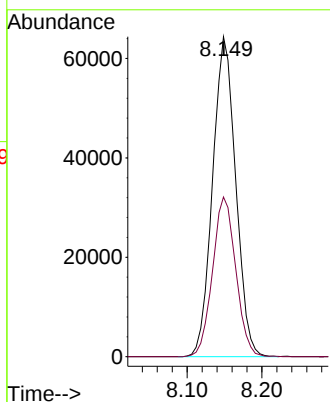
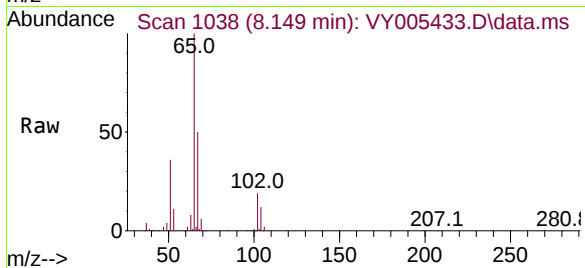




#33  
1,2-Dichloroethane-d4  
Concen: 63.85 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

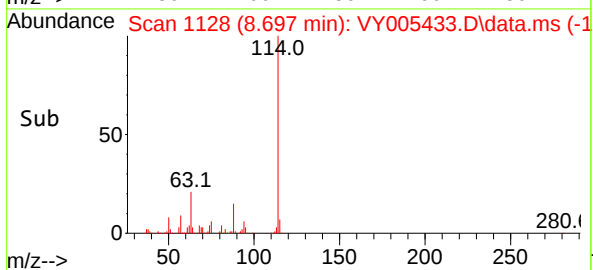
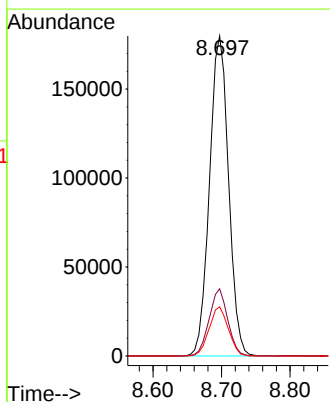
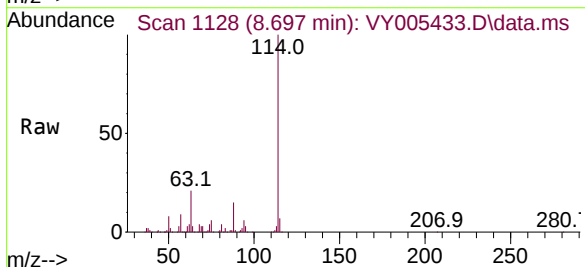
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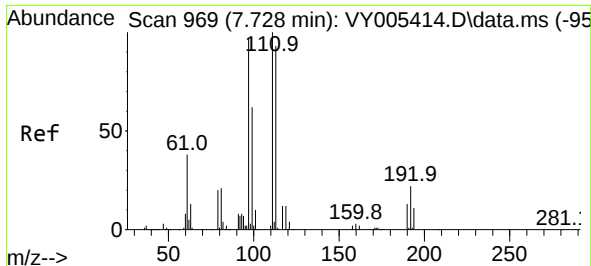
Tgt Ion: 65 Resp: 138607  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

Tgt Ion:114 Resp: 347466  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 39.0  
88 15.4 0.0 30.8

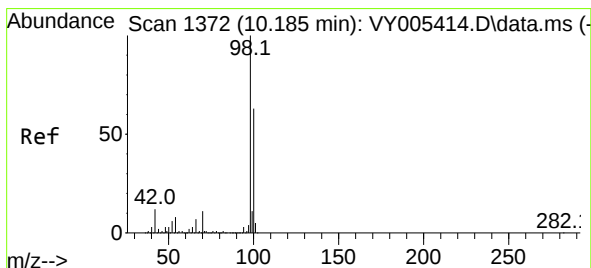
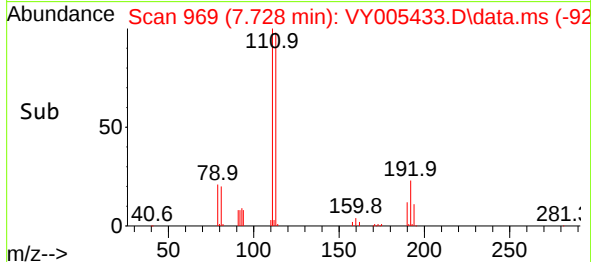
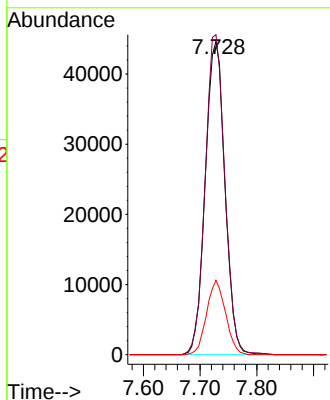
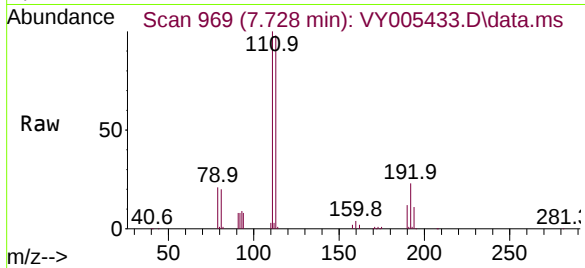




#35  
Dibromofluoromethane  
Concen: 53.57 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

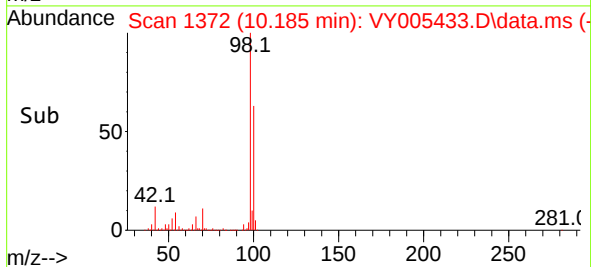
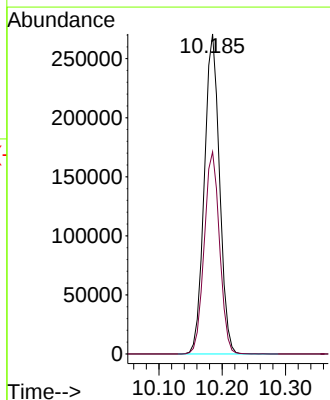
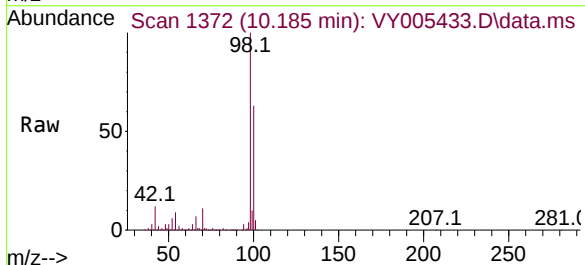
Instrument :  
MSVOA\_Y  
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20210430-16

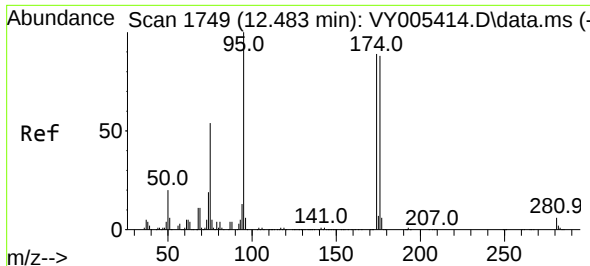
Tgt Ion:113 Resp: 107472  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.6 124.0  
192 22.8 18.9 28.3



#50  
Toluene-d8  
Concen: 53.26 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

Tgt Ion: 98 Resp: 452852  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.9 76.3

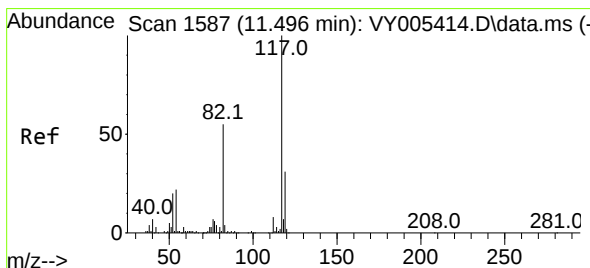
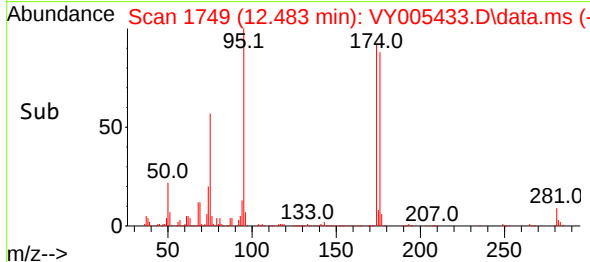
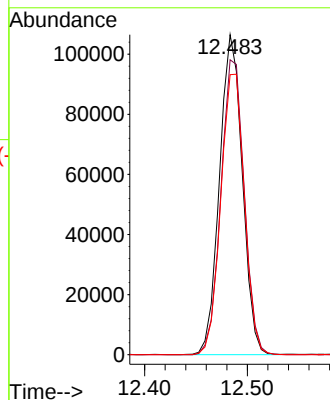
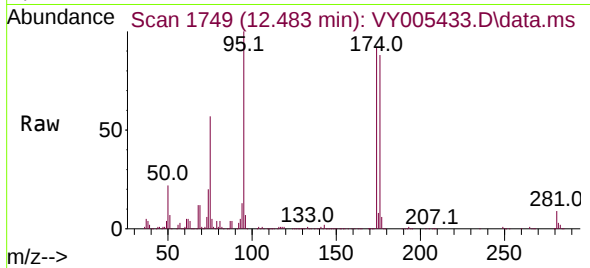




#62  
4-Bromofluorobenzene  
Concen: 58.46 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

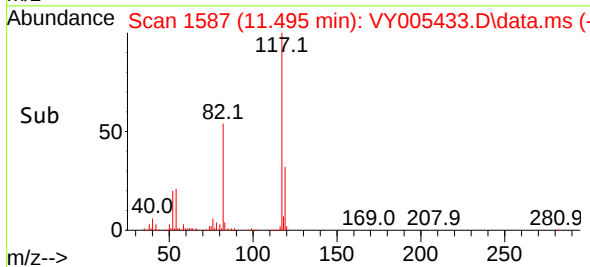
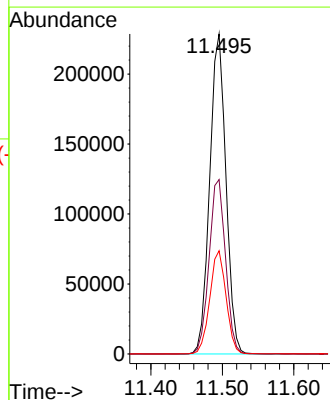
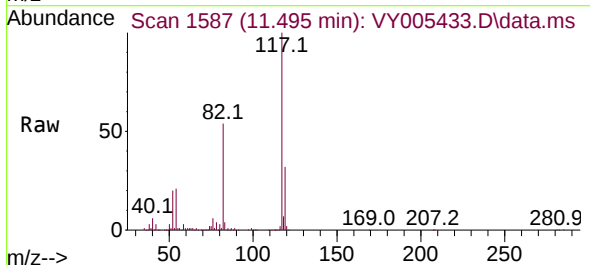
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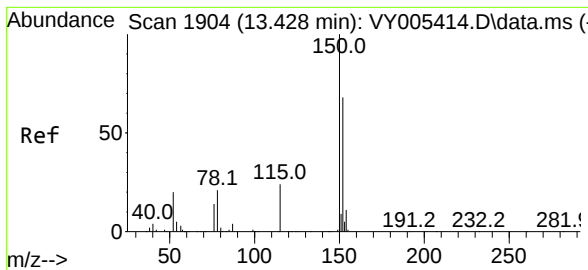
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|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 164067 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 94.0  | 0.0   | 186.6  |
| 176       | 90.7  | 0.0   | 182.4  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005433.D  
Acq: 23 Jul 2021 22:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 360514 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.5  | 43.8  | 65.6   |
| 119       | 32.2  | 24.8  | 37.2   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005433.D  
 Acq: 23 Jul 2021 22:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210430-16

Tgt Ion:152 Resp: 191582  
 Ion Ratio Lower Upper  
 152 100  
 115 54.3 27.7 83.1  
 150 157.2 0.0 349.6

