

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
 Data File : VY005425.D  
 Acq On : 23 Jul 2021 18:59  
 Operator : SY/MD  
 Sample : M3137-05  
 Misc : 10.49G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210726-15

Quant Time: Jul 24 03:02:26 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

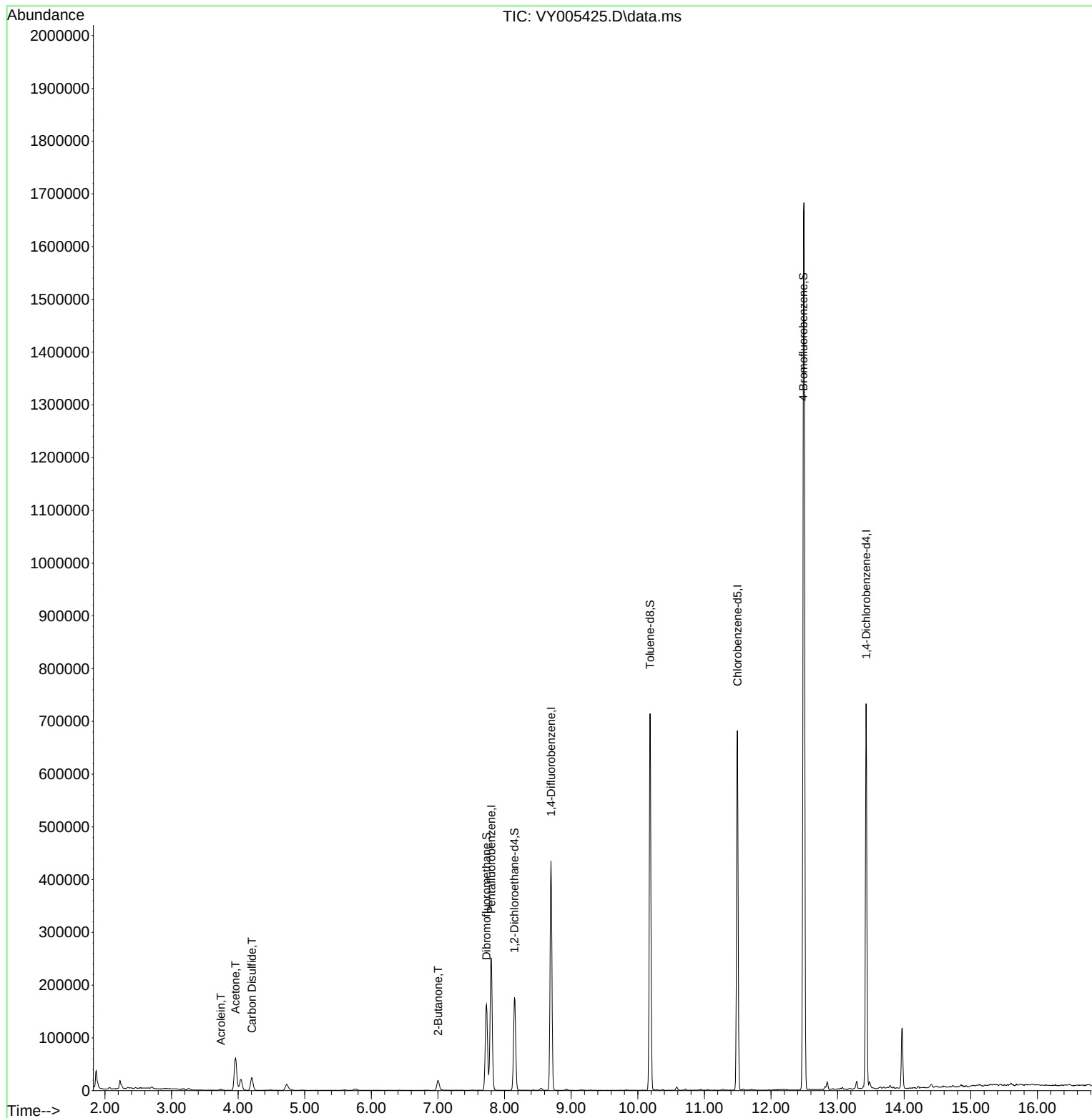
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.801     | 168            | 208221   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114            | 356848   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117            | 364128   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152            | 181098   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65             | 145807   | 65.546     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 131.100% |        |          |
| 35) Dibromofluoromethane    | 7.728     | 113            | 113379   | 55.026     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 110.060% |        |          |
| 50) Toluene-d8              | 10.185    | 98             | 458746   | 52.530     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 49 - 140 | Recovery | = 105.060% |        |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95             | 167283   | 58.038     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 25 - 144 | Recovery | = 116.080% |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            | Qvalue |          |
| 13) Acrolein                | 3.741     | 56             | 2351     | 12.217     | ug/l   | 85       |
| 16) Acetone                 | 3.960     | 43             | 107773   | 212.147    | ug/l   | 99       |
| 17) Carbon Disulfide        | 4.204     | 76             | 48551    | 7.375      | ug/l   | 99       |
| 25) 2-Butanone              | 7.003     | 43             | 29531    | 38.818     | ug/l   | 95       |
| -----                       |           |                |          |            |        |          |

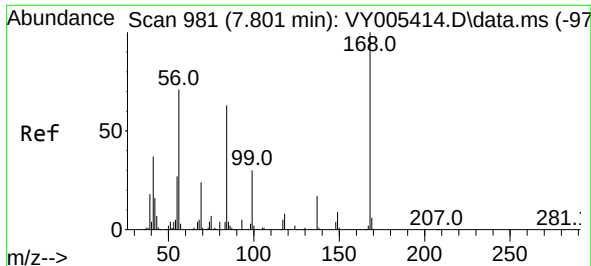
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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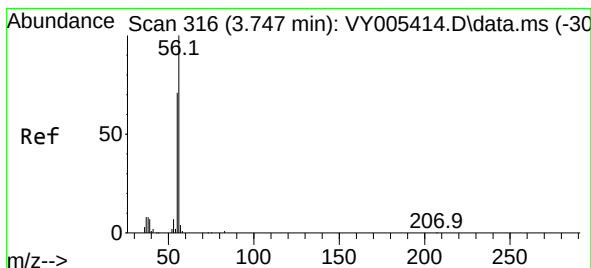
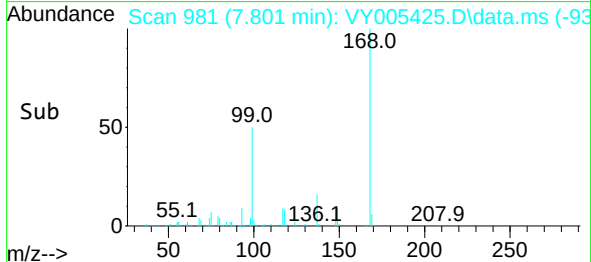
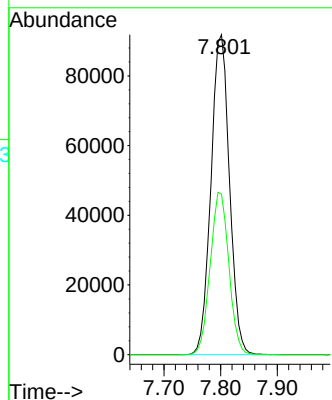
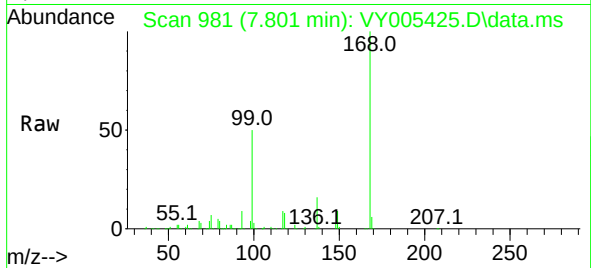




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

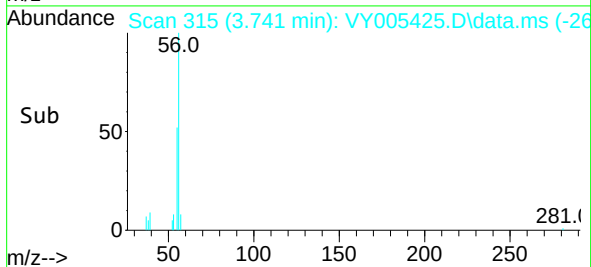
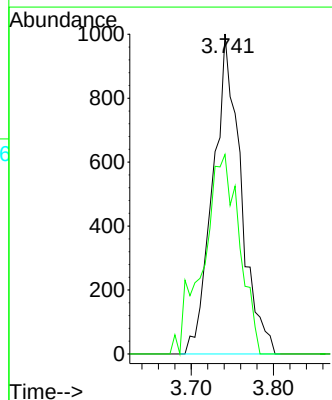
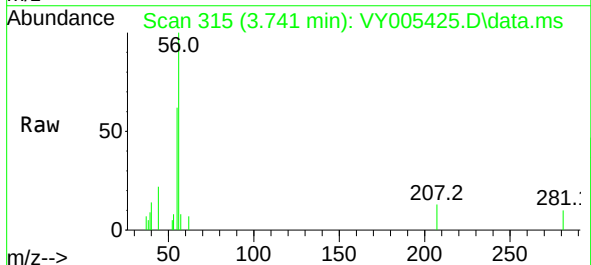
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210726-15

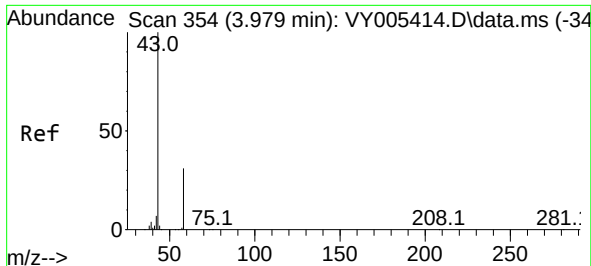
Tgt Ion:168 Resp: 208221  
Ion Ratio Lower Upper  
168 100  
99 50.2 39.8 59.6



#13  
Acrolein  
Concen: 12.217 ug/l  
RT: 3.741 min Scan# 315  
Delta R.T. -0.006 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

Tgt Ion: 56 Resp: 2351  
Ion Ratio Lower Upper  
56 100  
55 81.3 55.2 82.8

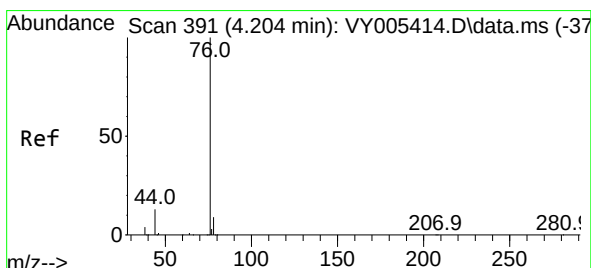
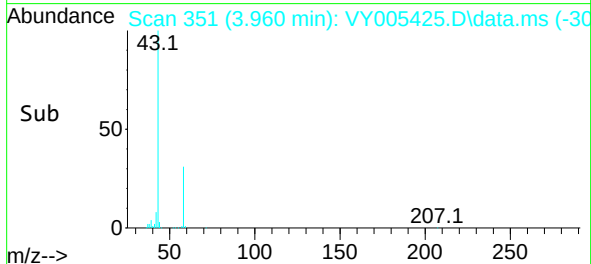
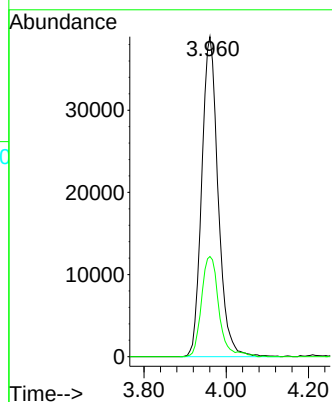
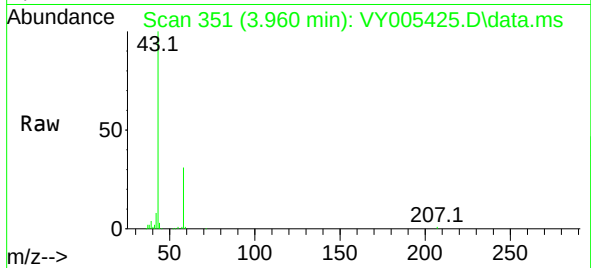




#16  
Acetone  
Concen: 212.147 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.018 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

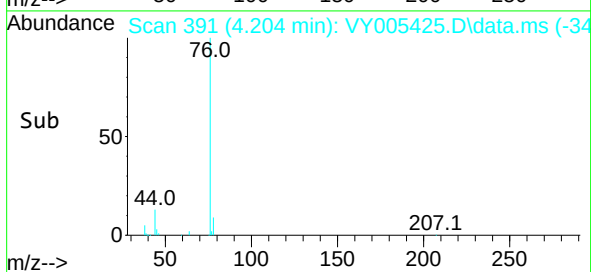
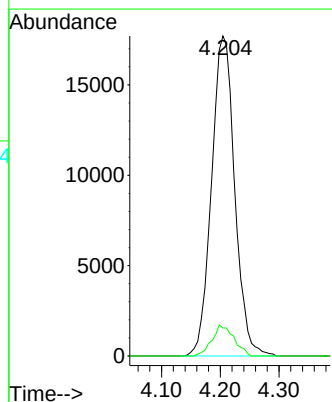
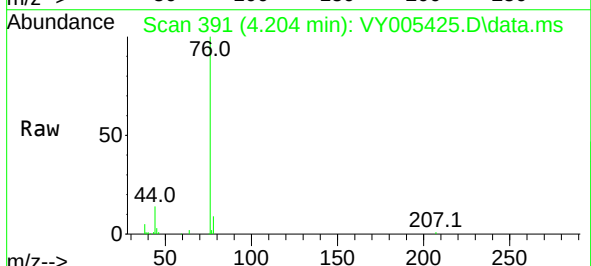
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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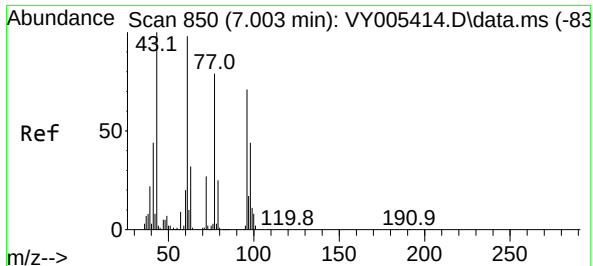
Tgt Ion: 43 Resp: 107773  
Ion Ratio Lower Upper  
43 100  
58 31.3 24.5 36.7



#17  
Carbon Disulfide  
Concen: 7.375 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

Tgt Ion: 76 Resp: 48551  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.3 10.9

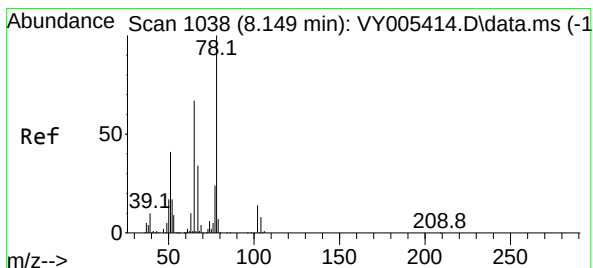
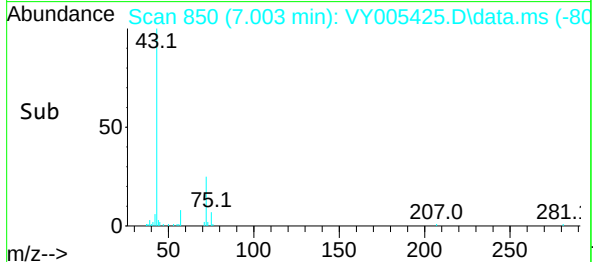
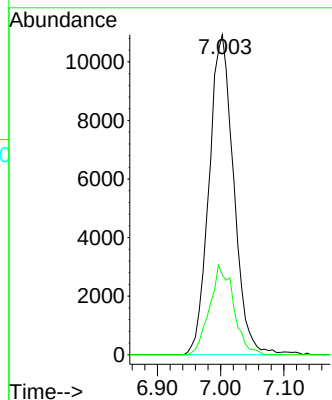
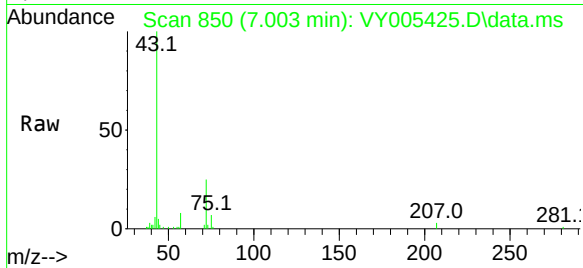




#25  
2-Butanone  
Concen: 38.818 ug/l  
RT: 7.003 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

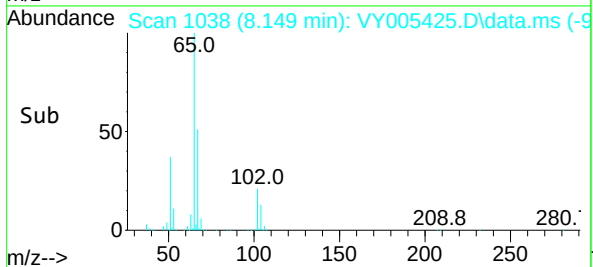
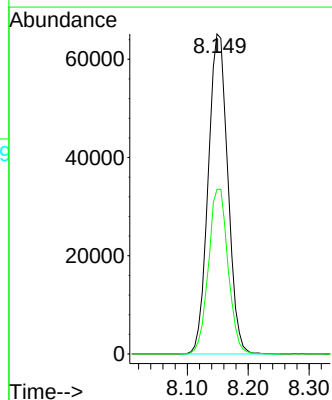
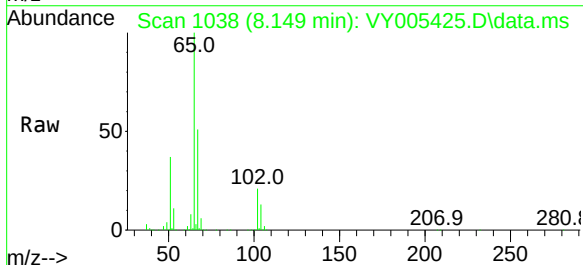
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210726-15

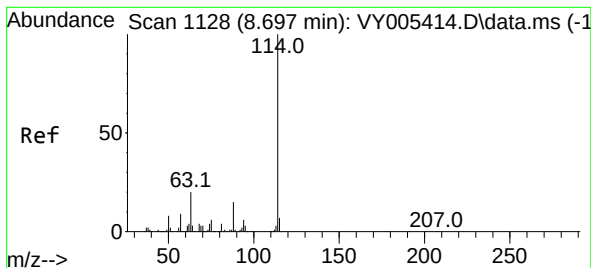
Tgt Ion: 43 Resp: 29531  
Ion Ratio Lower Upper  
43 100  
72 25.0 21.9 32.9



#33  
1,2-Dichloroethane-d4  
Concen: 65.546 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

Tgt Ion: 65 Resp: 145807  
Ion Ratio Lower Upper  
65 100  
67 51.5 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: VY005425.D

Acq: 23 Jul 2021 18:59

Tgt Ion:114 Resp: 356848

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

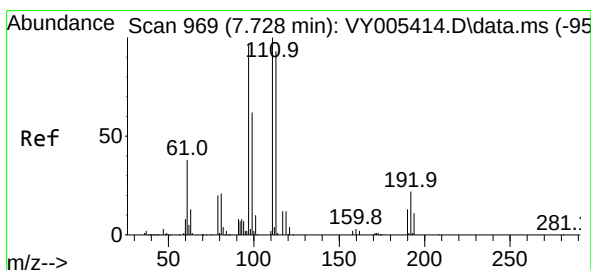
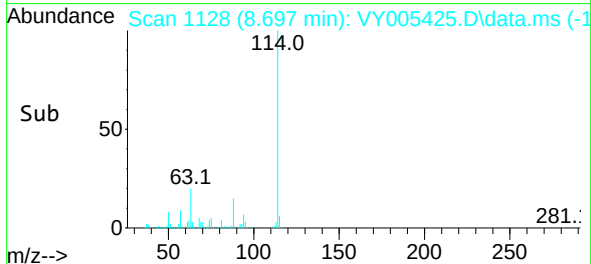
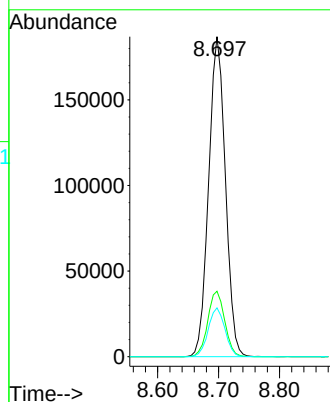
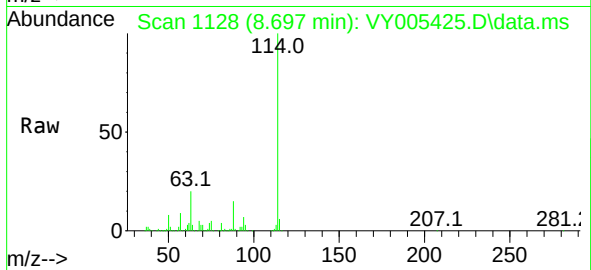
88 15.2 0.0 30.8

Instrument :

MSVOA\_Y

ClientSampleId :

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#35

Dibromofluoromethane

Concen: 55.026 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY005425.D

Acq: 23 Jul 2021 18:59

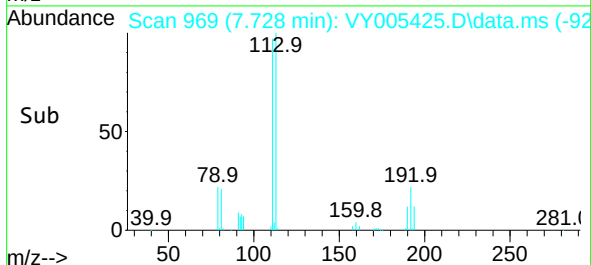
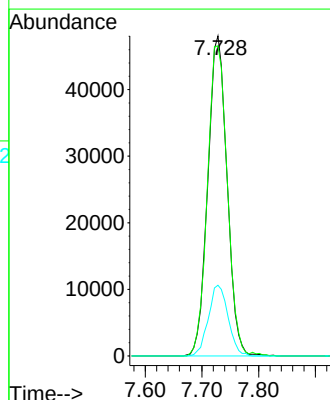
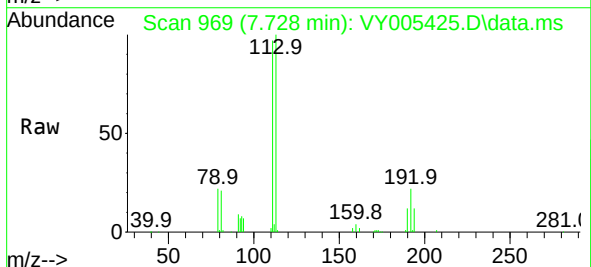
Tgt Ion:113 Resp: 113379

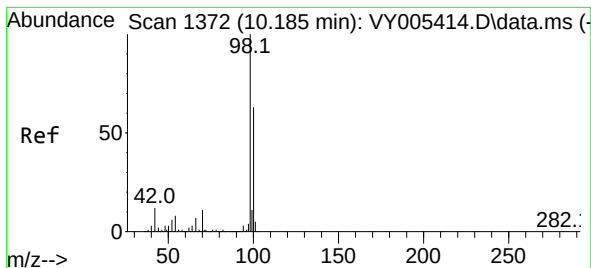
Ion Ratio Lower Upper

113 100

111 100.3 82.6 124.0

192 22.6 18.9 28.3

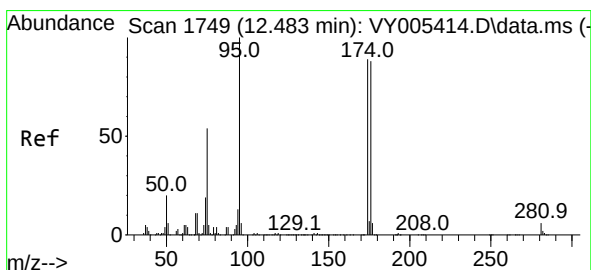
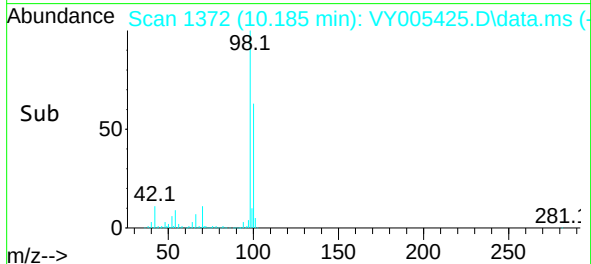
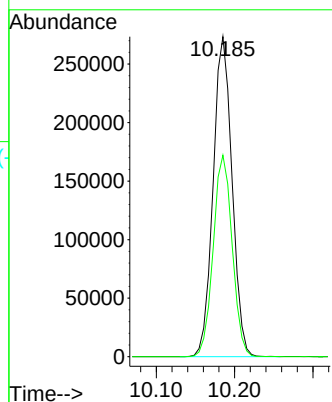
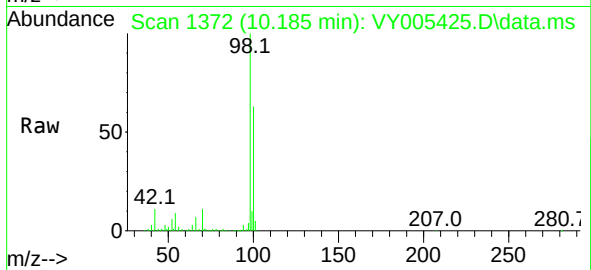




#50  
Toluene-d8  
Concen: 52.530 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

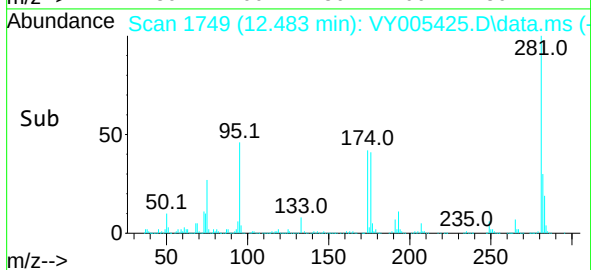
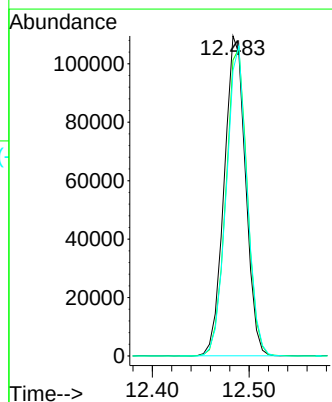
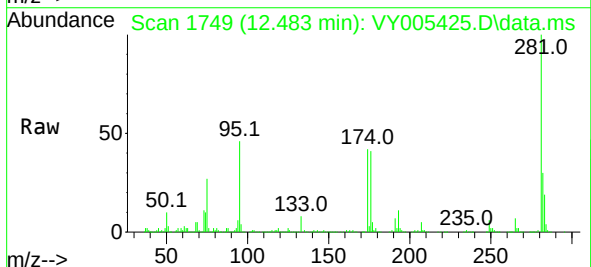
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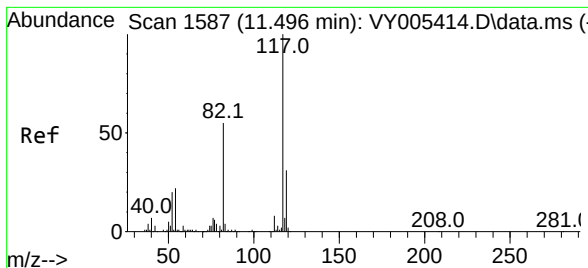
Tgt Ion: 98 Resp: 458746  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 58.038 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

Tgt Ion: 95 Resp: 167283  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 186.6  
176 94.4 0.0 182.4

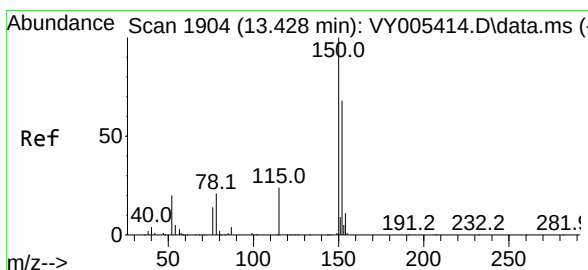
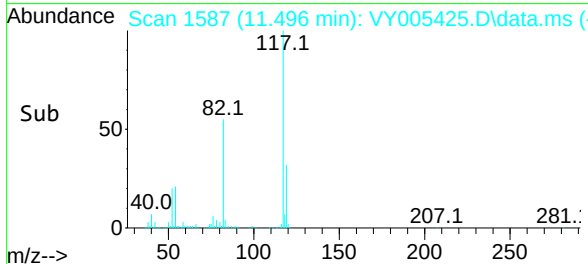
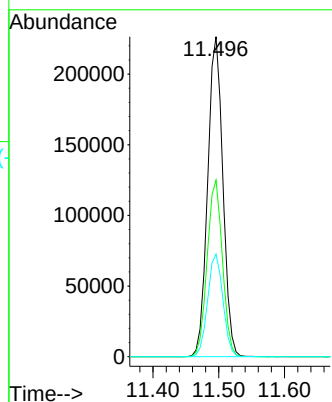
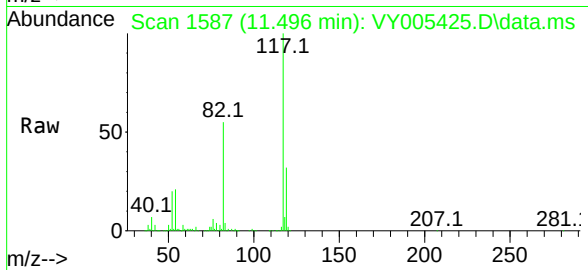




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005425.D  
Acq: 23 Jul 2021 18:59

Instrument :  
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Tgt Ion:117 Resp: 364128  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.8 65.6  
119 32.0 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: VY005425.D  
Acq: 23 Jul 2021 18:59

Tgt Ion:152 Resp: 181098  
Ion Ratio Lower Upper  
152 100  
115 55.6 27.7 83.1  
150 157.7 0.0 349.6

