

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072721\  
 Data File : VY005469.D  
 Acq On : 27 Jul 2021 17:01  
 Operator : SY/MD  
 Sample : M3142-03  
 Misc : 6.92G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JONES-RD-STOCK-PILE-B

Quant Time: Jul 28 02:35:06 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  | 225974   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 340101   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 332621   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 148315   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 147587   | 61.134   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 122.260% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 116814   | 59.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 118.960% |
| 50) Toluene-d8              | 10.185 | 98    | 428355   | 51.465   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.940% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 140915   | 51.297   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 102.600% |

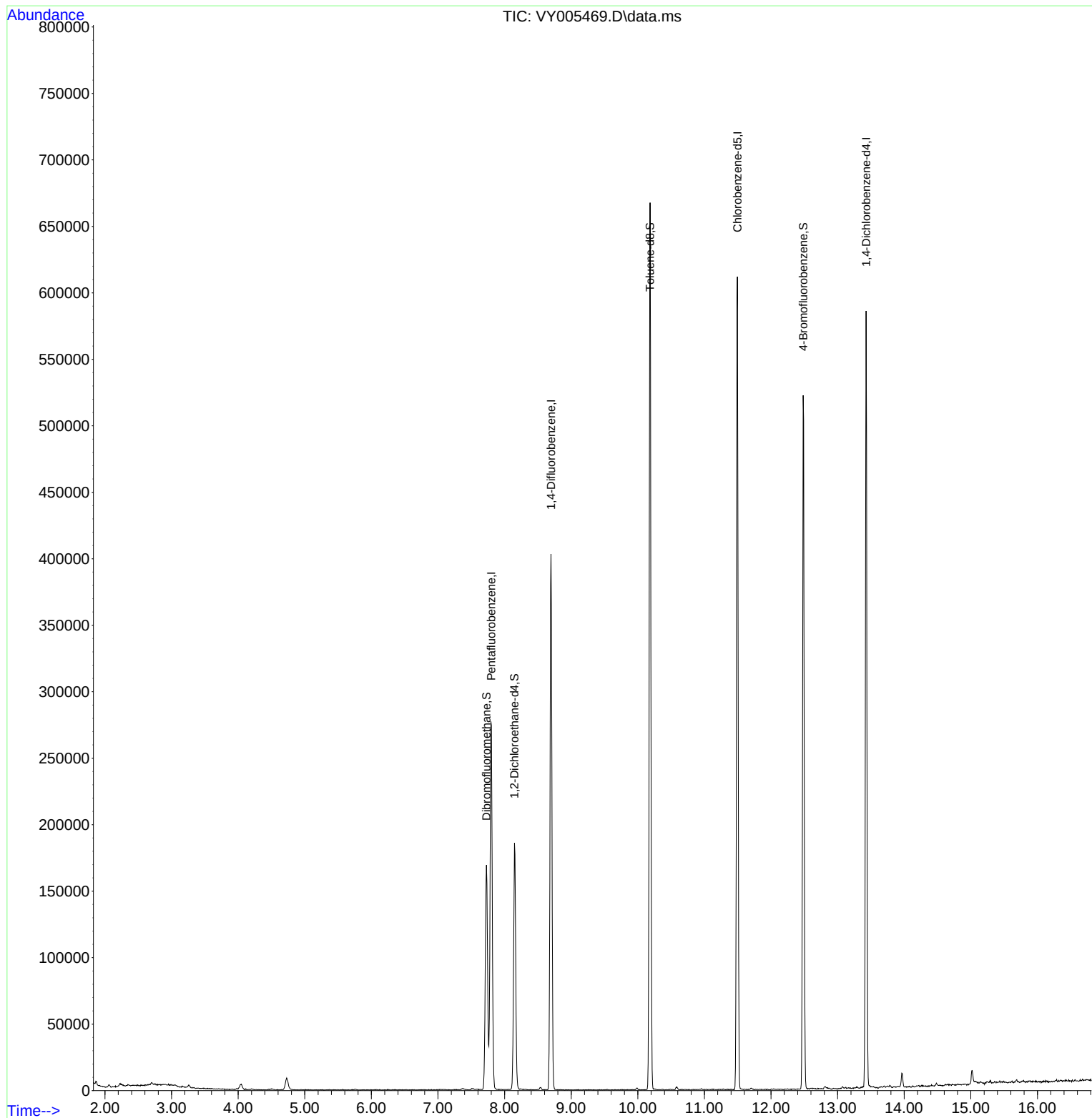
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

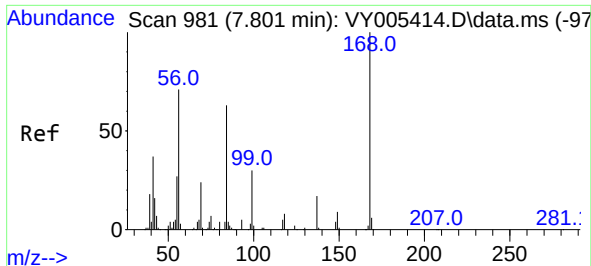
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 06:20:14 2021  
Response via : Initial Calibration

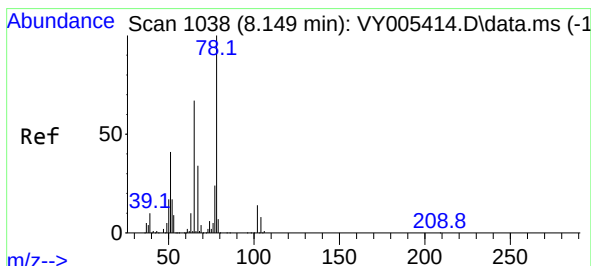
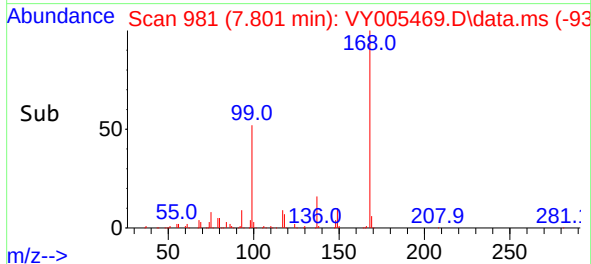
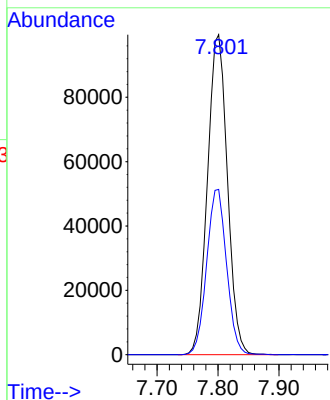
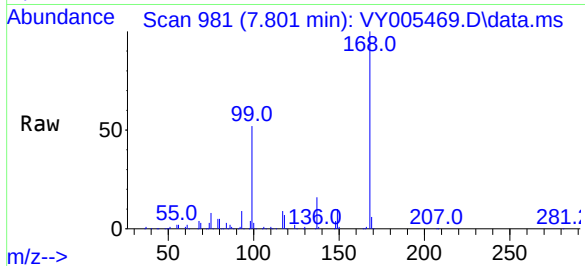




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

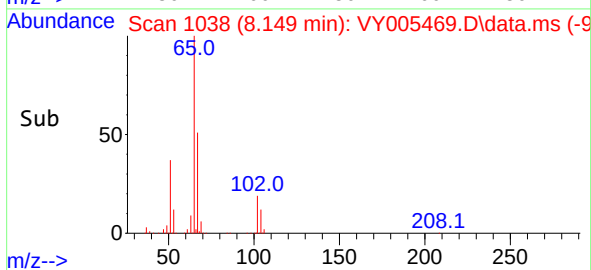
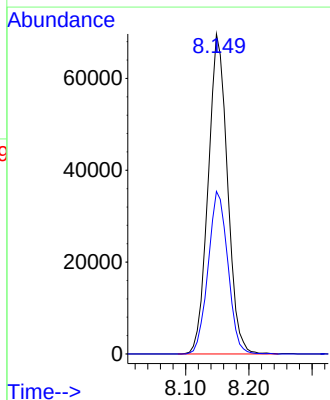
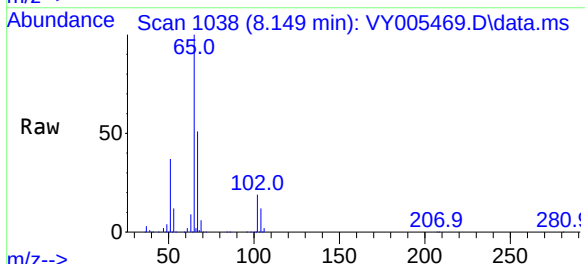
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JONES-RD-STOCK-PILE-B

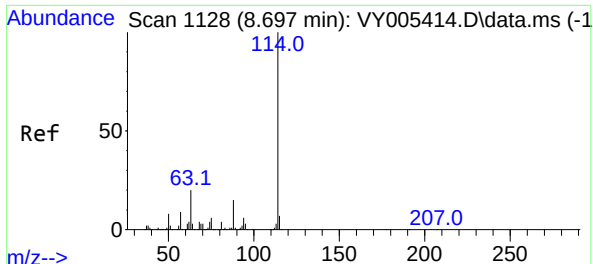
Tgt Ion:168 Resp: 225974  
Ion Ratio Lower Upper  
168 100  
99 51.7 39.8 59.6



#33  
1,2-Dichloroethane-d4  
Concen: 61.134 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

Tgt Ion: 65 Resp: 147587  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 102.2



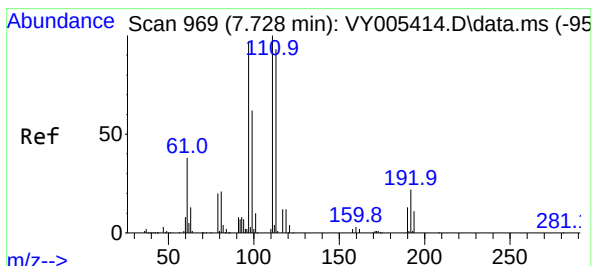
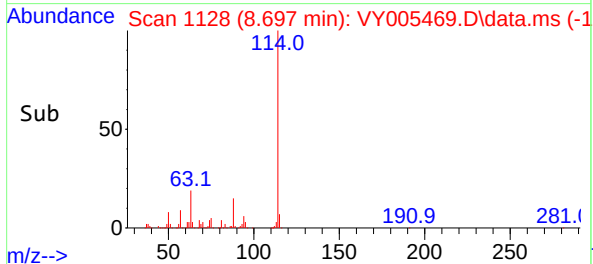
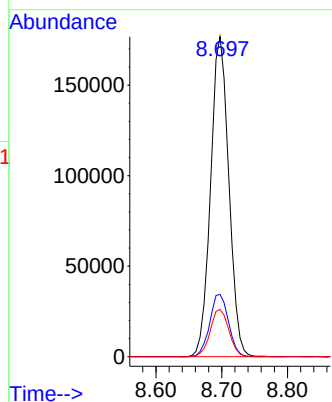
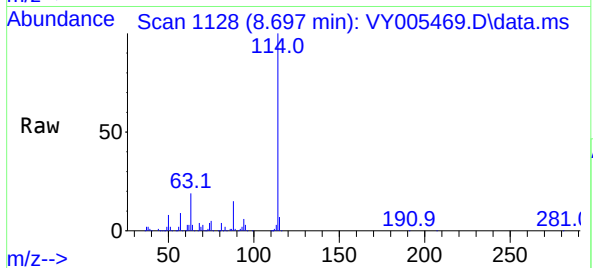


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JONES-RD-STOCK-PILE-B

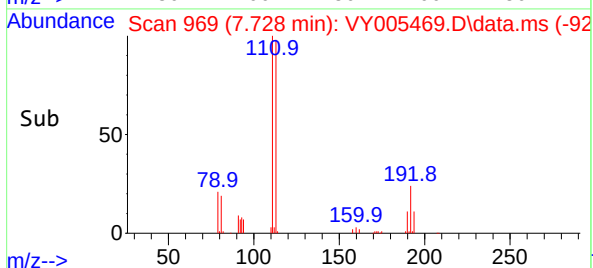
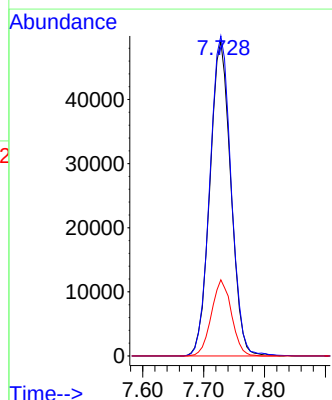
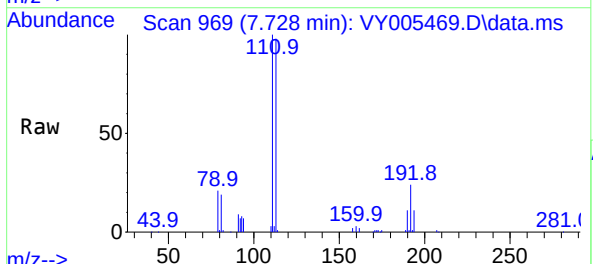
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 340101   |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.5  | 0.0 39.0 |
| 88          | 14.7  | 0.0 30.8 |

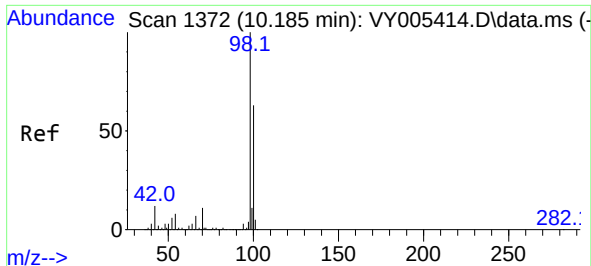


#35

Dibromofluoromethane  
Concen: 59.484 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 116814     |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 103.2 | 82.6 124.0 |
| 192         | 23.3  | 18.9 28.3  |

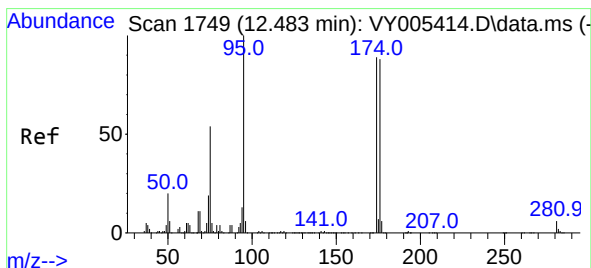
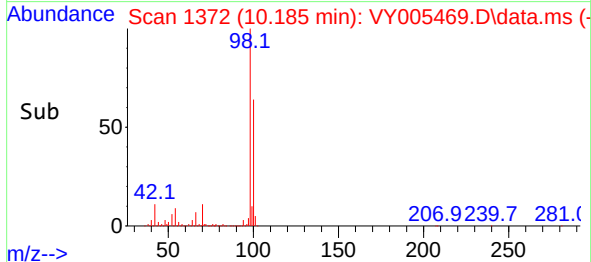
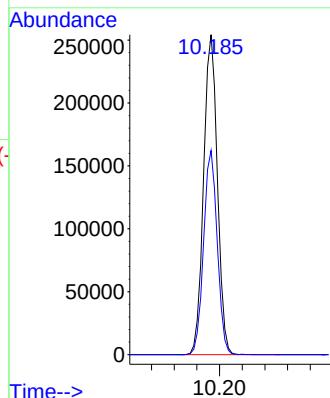
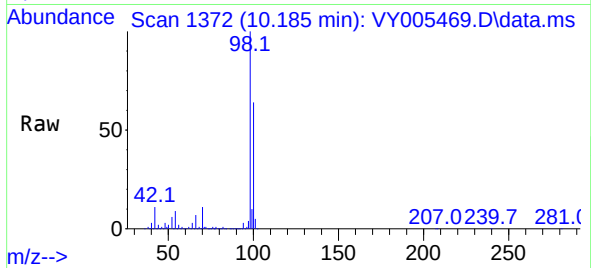




#50  
Toluene-d8  
Concen: 51.465 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

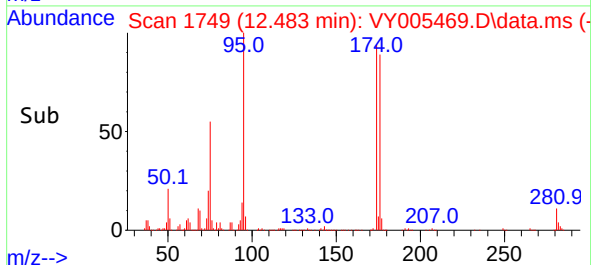
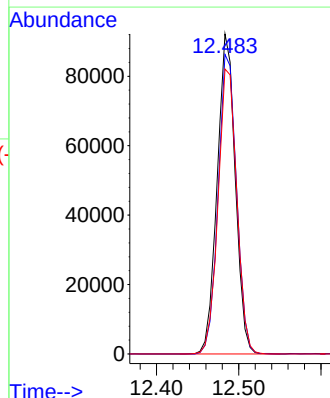
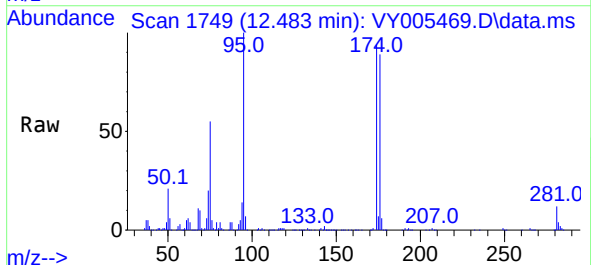
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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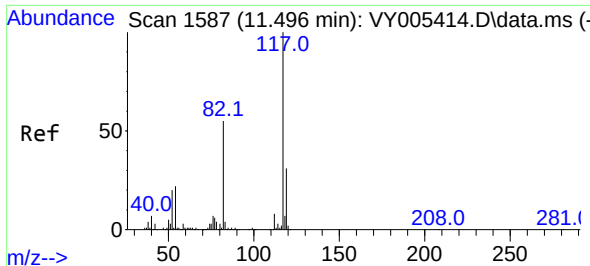
Tgt Ion: 98 Resp: 428355  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 51.297 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

Tgt Ion: 95 Resp: 140915  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 186.6  
176 92.3 0.0 182.4

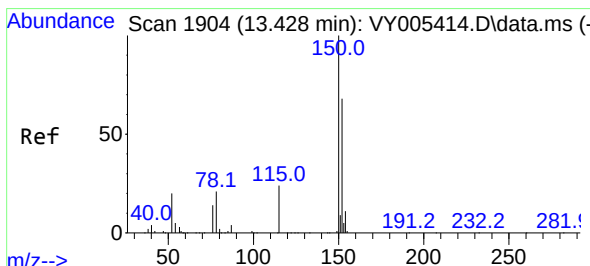
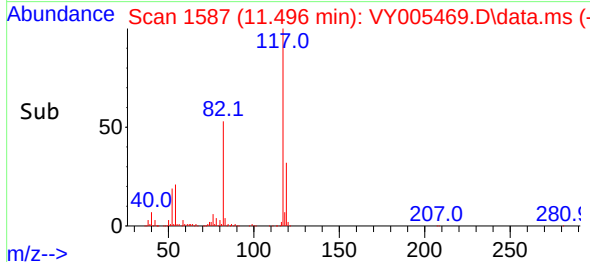
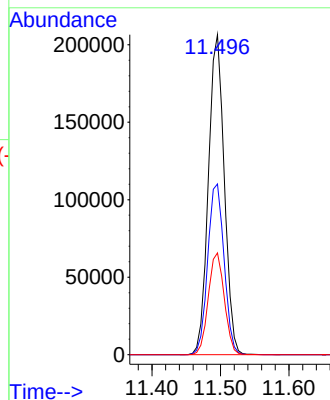
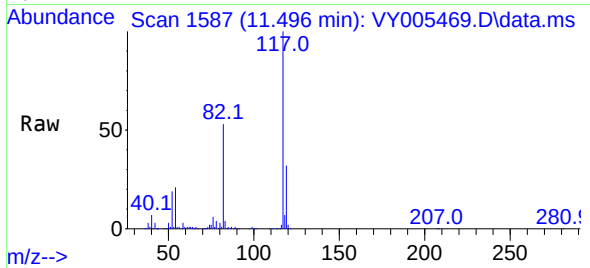




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005469.D  
Acq: 27 Jul 2021 17:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JONES-RD-STOCK-PILE-B

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 332621      |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 53.3  | 43.8 65.6   |
| 119         | 31.8  | 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: VY005469.D  
Acq: 27 Jul 2021 17:01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 148315      |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 54.3  | 27.7 83.1   |
| 150         | 157.1 | 0.0 349.6   |

