

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032621\  
 Data File : VX021555.D  
 Acq On : 27 Mar 2021 01:56  
 Operator : JC/MD  
 Sample : M1787-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW203D1-20210320

Quant Time: Mar 27 04:35:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

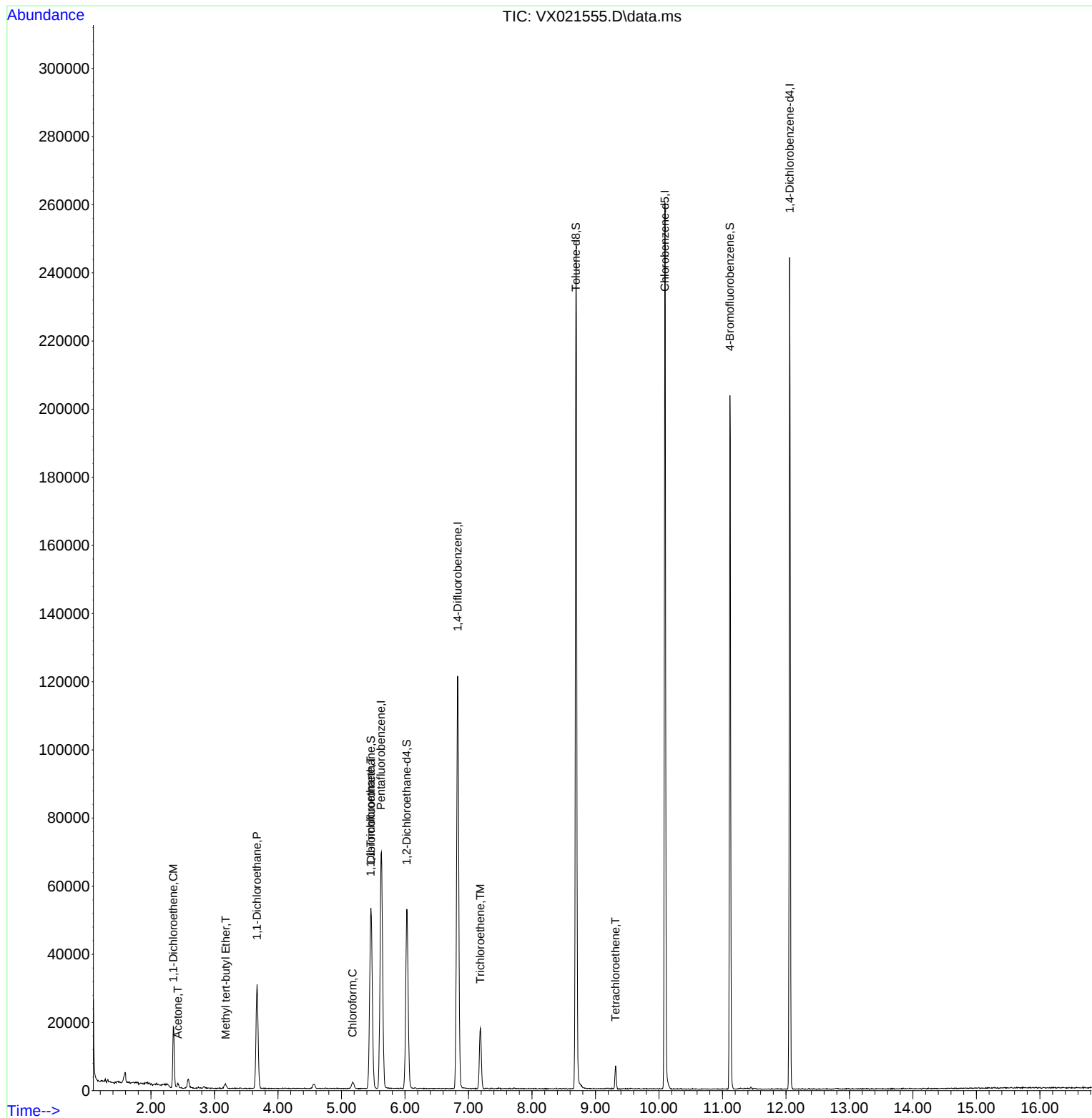
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.623  | 168   | 59461    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.829  | 114   | 113405   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.094 | 117   | 106861   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.059 | 152   | 43019    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 52283    | 52.85    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 105.70%  |
| 35) Dibromofluoromethane    | 5.464  | 113   | 39641    | 49.21    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 98.42%   |
| 50) Toluene-d8              | 8.694  | 98    | 139263   | 48.51    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 97.02%   |
| 62) 4-Bromofluorobenzene    | 11.117 | 95    | 52682    | 47.20    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 94.40%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene      | 2.352  | 96    | 5721     | 9.55     | ug/l   | 90       |
| 16) Acetone                 | 2.422  | 43    | 1443     | 3.86     | ug/l   | 93       |
| 19) Methyl tert-butyl Ether | 3.175  | 73    | 1331     | 0.59     | ug/l # | 86       |
| 24) 1,1-Dichloroethane      | 3.669  | 63    | 32904    | 25.83    | ug/l   | 97       |
| 30) Chloroform              | 5.176  | 83    | 1976     | 1.47     | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane   | 5.458  | 97    | 4769     | 4.00     | ug/l # | 91       |
| 44) Trichloroethene         | 7.188  | 130   | 6163     | 7.40     | ug/l   | 93       |
| 64) Tetrachloroethene       | 9.317  | 164   | 1301     | 1.82     | ug/l # | 84       |
| -----                       |        |       |          |          |        |          |

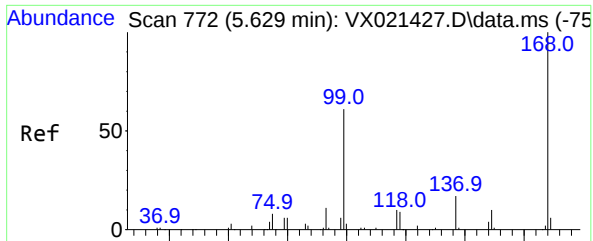
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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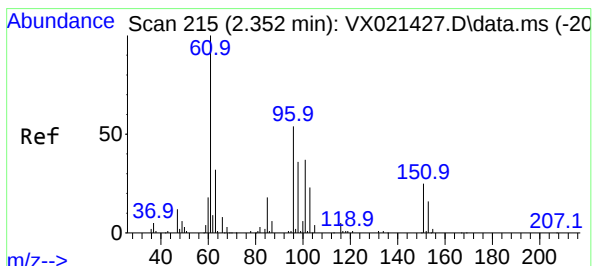
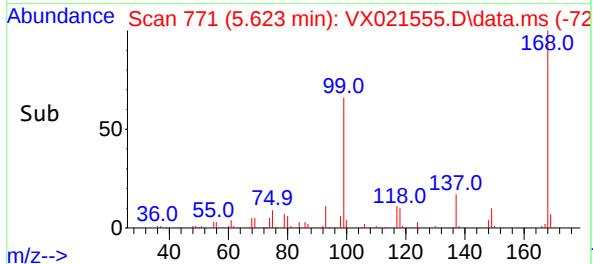
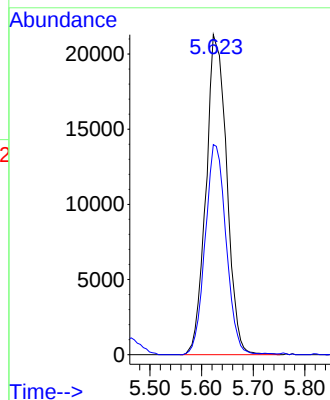
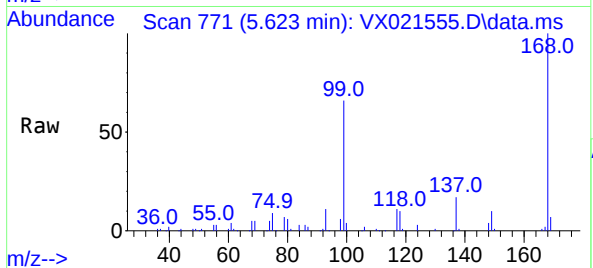




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

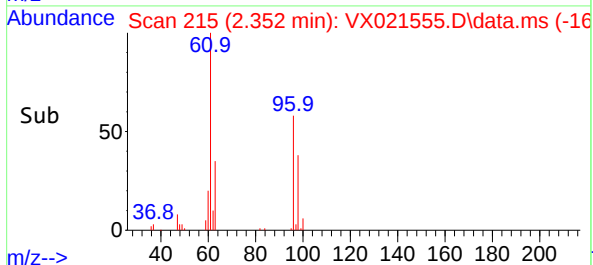
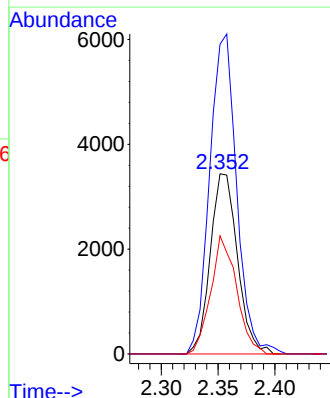
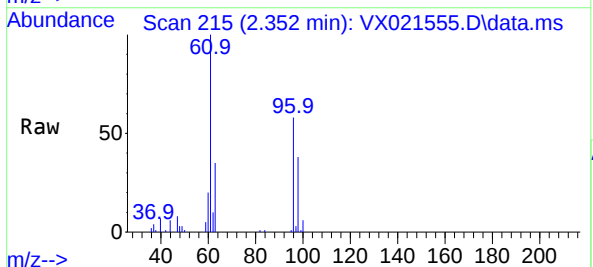
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW203D1-20210320

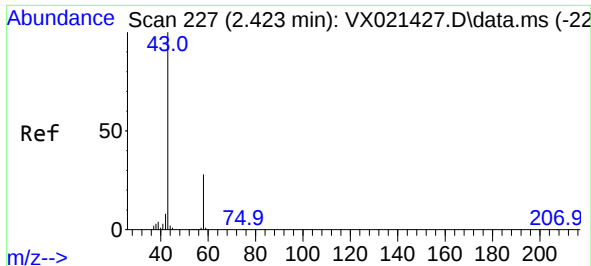
Tgt Ion:168 Resp: 59461  
Ion Ratio Lower Upper  
168 100  
99 65.7 45.8 68.6



#12  
1,1-Dichloroethene  
Concen: 9.55 ug/l  
RT: 2.352 min Scan# 215  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion: 96 Resp: 5721  
Ion Ratio Lower Upper  
96 100  
61 171.9 124.6 187.0  
98 65.5 50.6 76.0

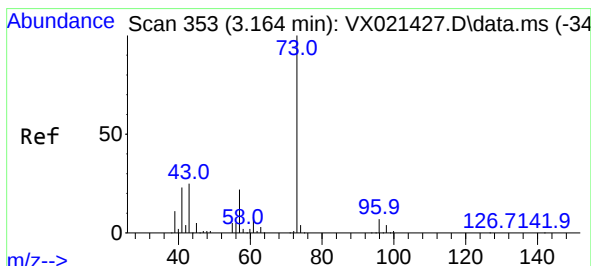
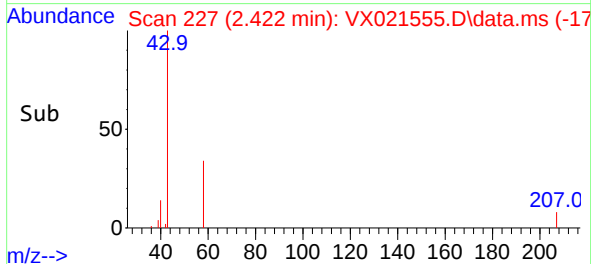
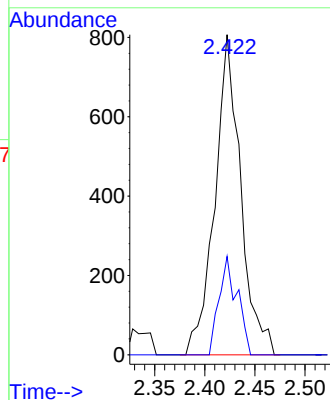
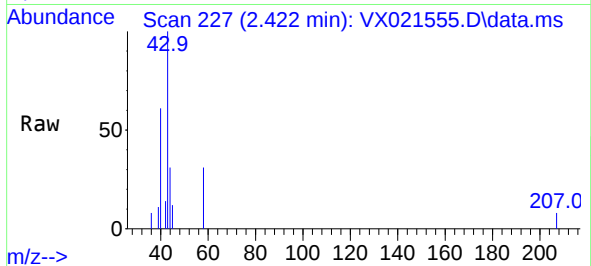




#16  
Acetone  
Concen: 3.86 ug/l  
RT: 2.422 min Scan# 227  
Delta R.T. -0.001 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

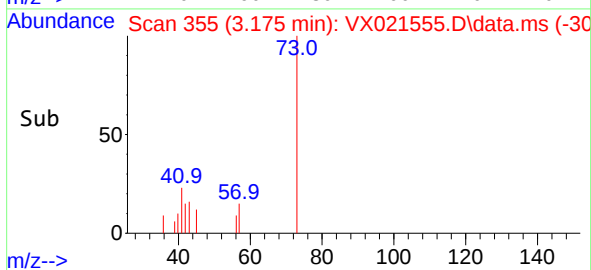
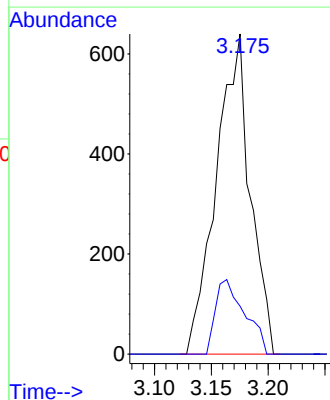
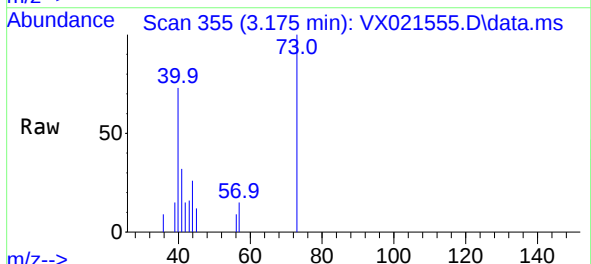
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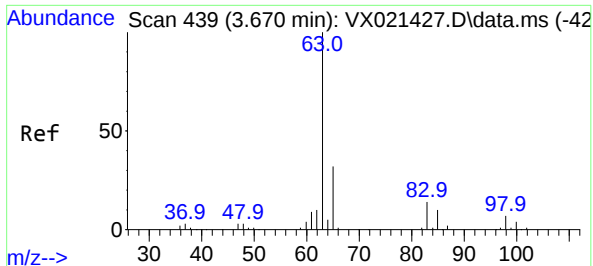
Tgt Ion: 43 Resp: 1443  
Ion Ratio Lower Upper  
43 100  
58 30.7 27.8 41.8



#19  
Methyl tert-butyl Ether  
Concen: 0.59 ug/l  
RT: 3.175 min Scan# 355  
Delta R.T. 0.011 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion: 73 Resp: 1331  
Ion Ratio Lower Upper  
73 100  
57 15.0 17.1 25.7#

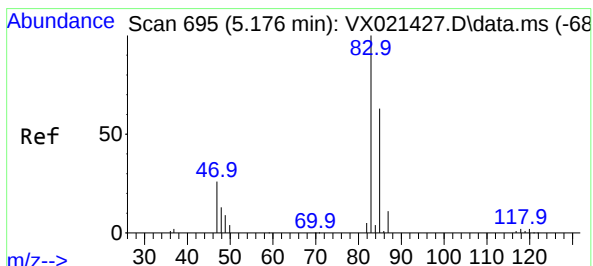
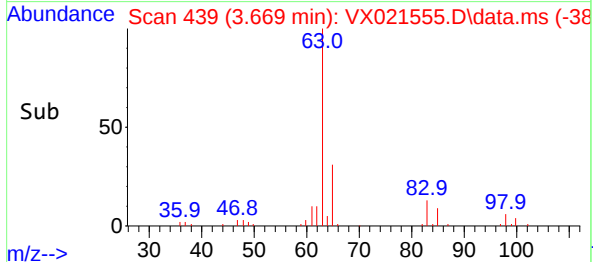
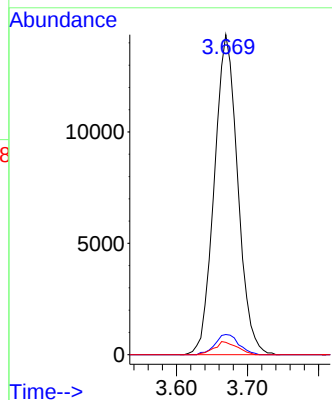
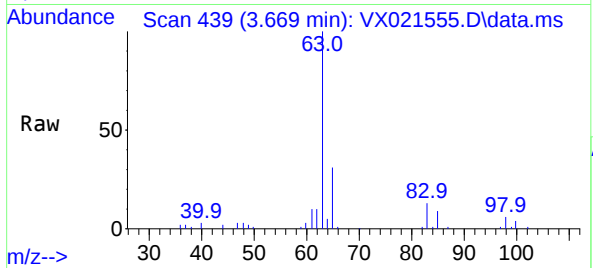




#24  
1,1-Dichloroethane  
Concen: 25.83 ug/l  
RT: 3.669 min Scan# 439  
Delta R.T. -0.001 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

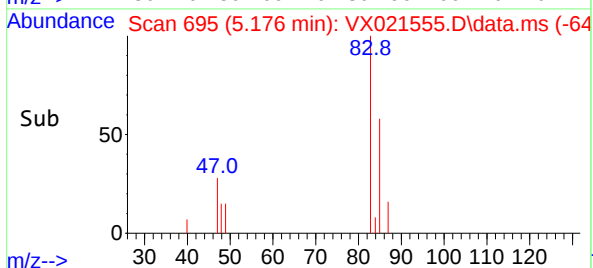
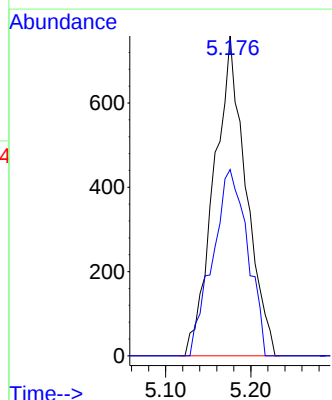
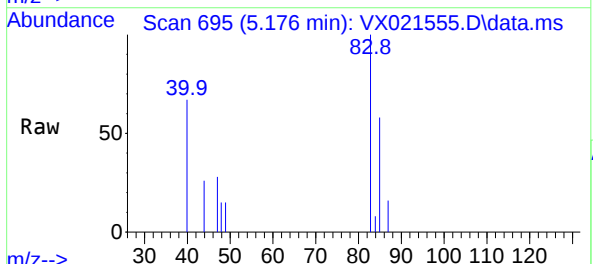
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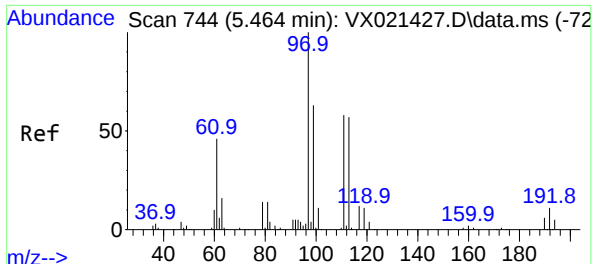
Tgt Ion: 63 Resp: 32904  
Ion Ratio Lower Upper  
63 100  
98 6.3 3.8 11.2  
100 3.8 2.5 7.5



#30  
Chloroform  
Concen: 1.47 ug/l  
RT: 5.176 min Scan# 695  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion: 83 Resp: 1976  
Ion Ratio Lower Upper  
83 100  
85 58.2 52.0 78.0

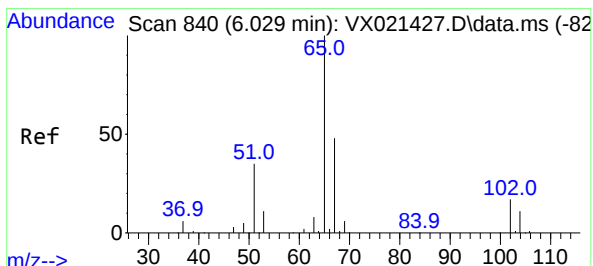
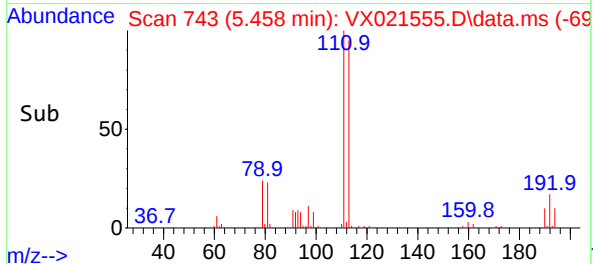
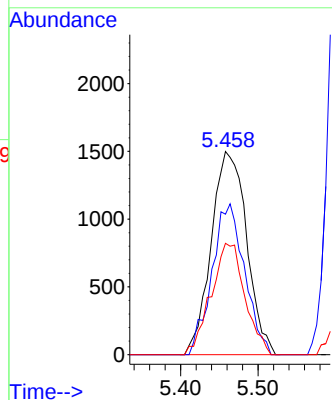
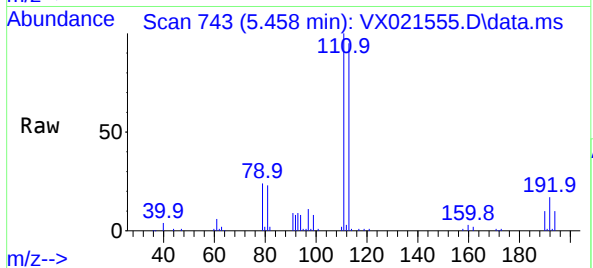




#32  
1,1,1-Trichloroethane  
Concen: 4.00 ug/l  
RT: 5.458 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

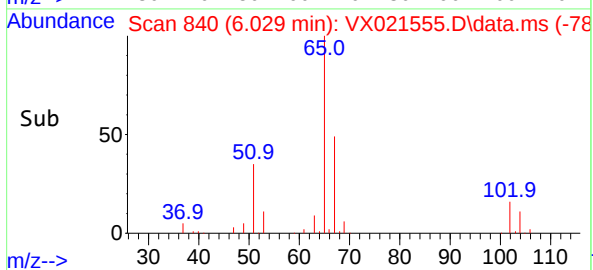
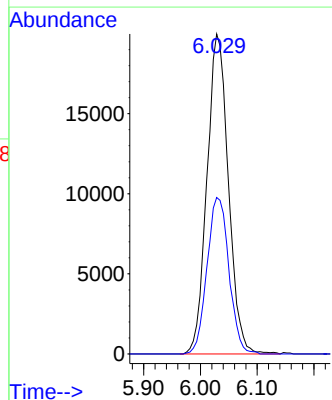
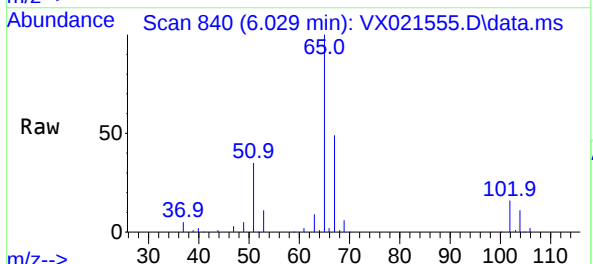
Instrument :  
MSVOA\_X  
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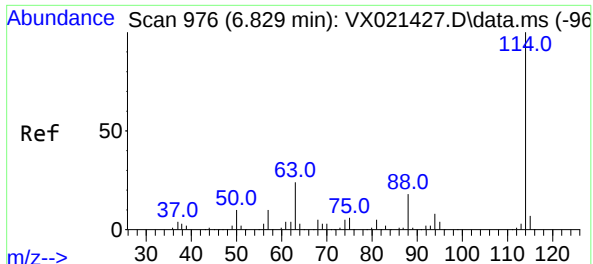
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4769  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 68.2  | 51.5  | 77.3  |
| 61       | 52.3  | 34.2  | 51.4# |



#33  
1,2-Dichloroethane-d4  
Concen: 52.85 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 52283 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.9  | 0.0   | 105.4 |



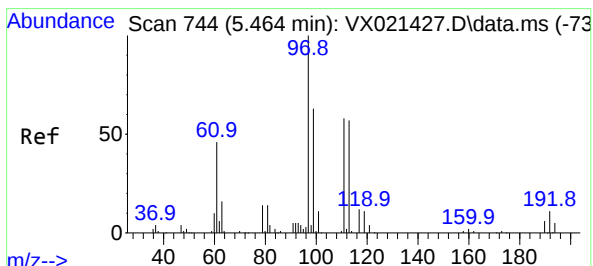
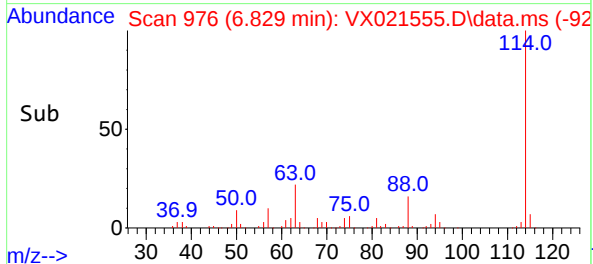
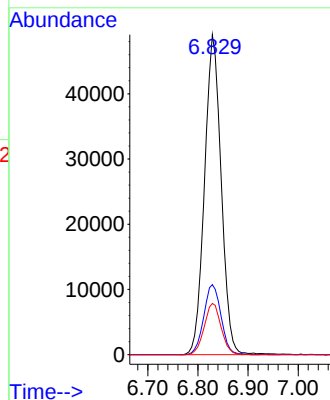
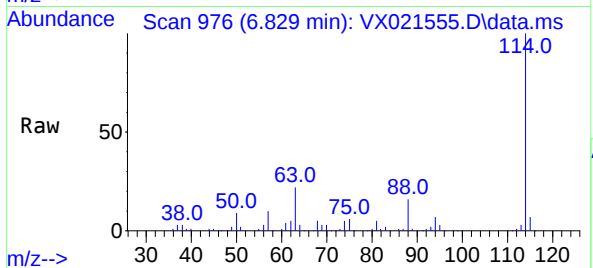


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW203D1-20210320

Tgt Ion:114 Resp: 113405

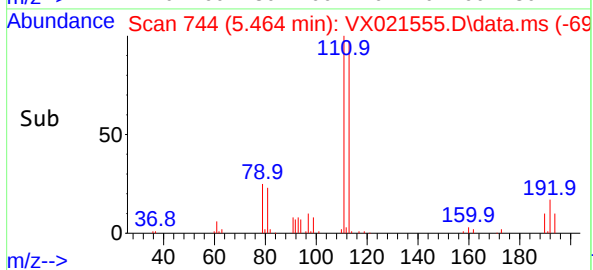
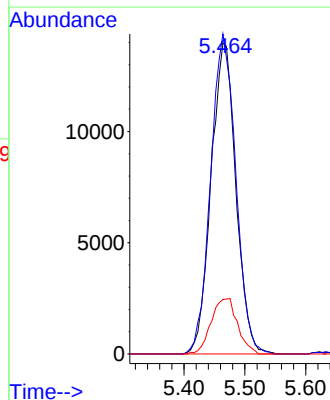
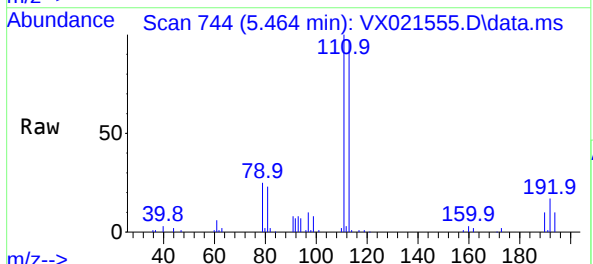
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.9  | 0.0   | 40.8  |
| 88  | 16.0  | 0.0   | 32.8  |

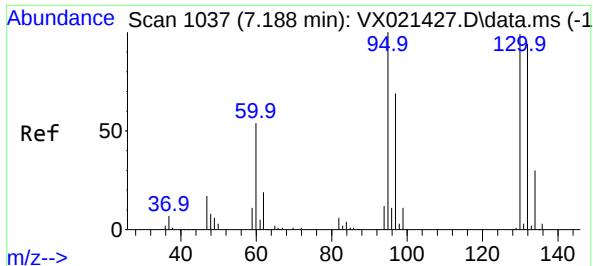


#35  
Dibromofluoromethane  
Concen: 49.21 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion:113 Resp: 39641

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.9 | 81.9  | 122.9 |
| 192 | 18.9  | 16.7  | 25.1  |

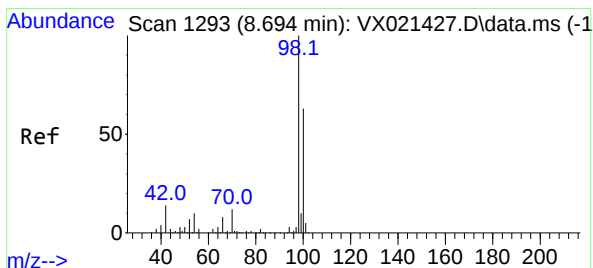
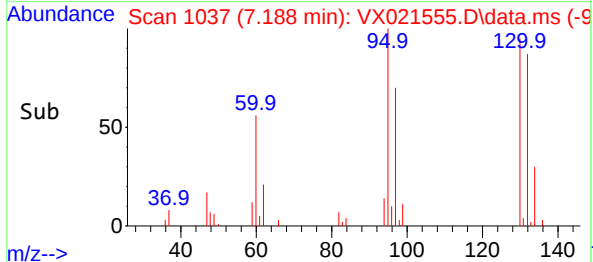
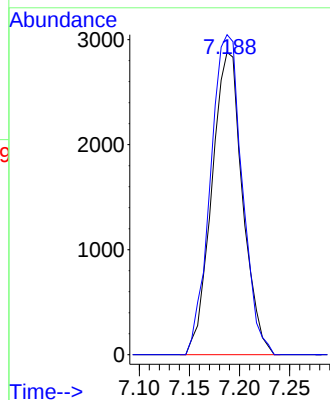
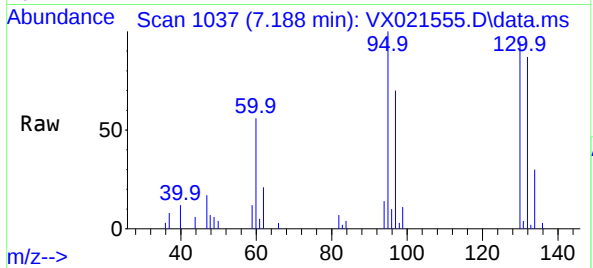




#44  
Trichloroethene  
Concen: 7.40 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

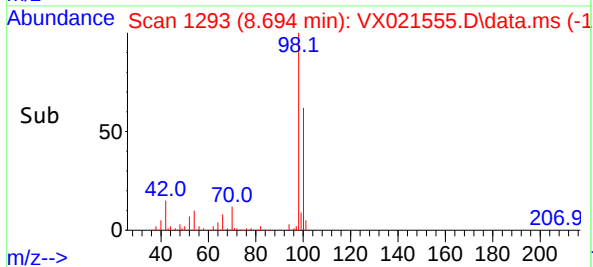
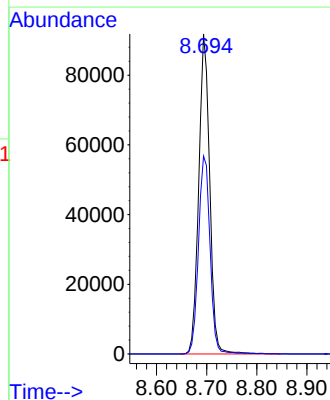
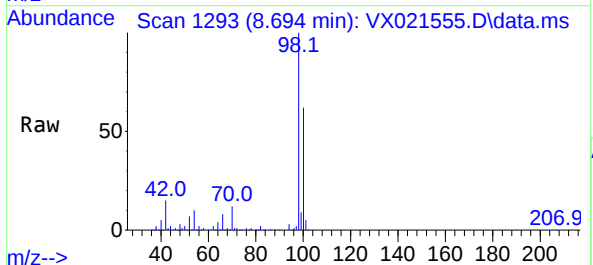
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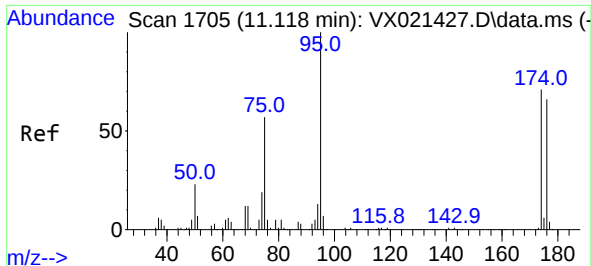
Tgt Ion:130 Resp: 6163  
Ion Ratio Lower Upper  
130 100  
95 105.8 0.0 198.0



#50  
Toluene-d8  
Concen: 48.51 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion: 98 Resp: 139263  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.9 77.9

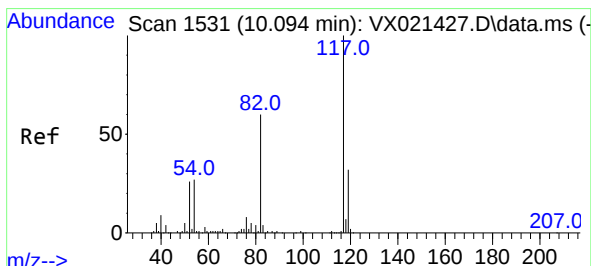
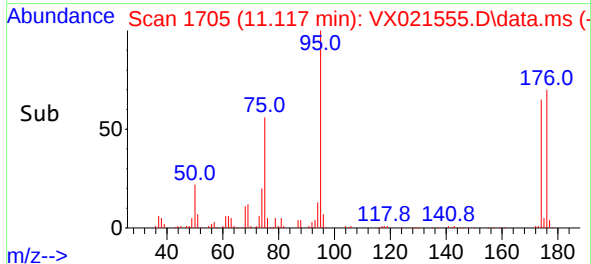
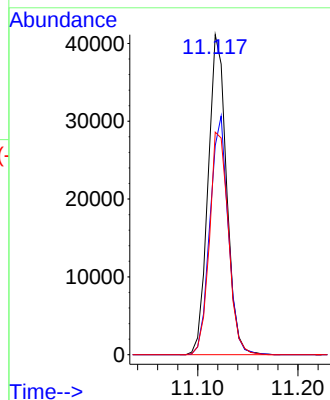
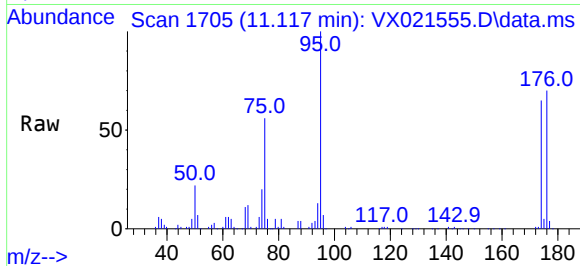




#62  
4-Bromofluorobenzene  
Concen: 47.20 ug/l  
RT: 11.117 min Scan# 1705  
Delta R.T. -0.001 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

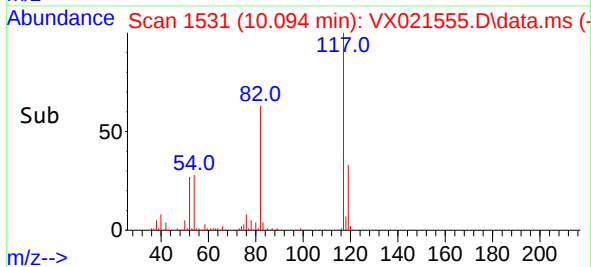
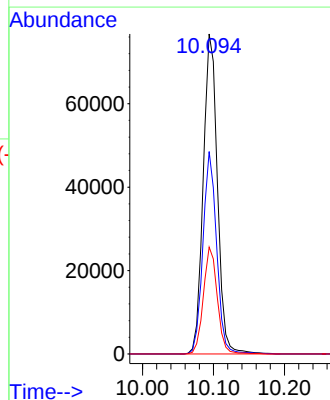
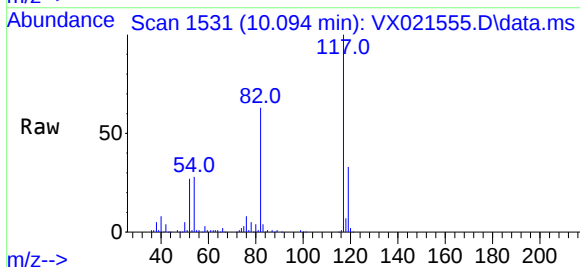
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW203D1-20210320

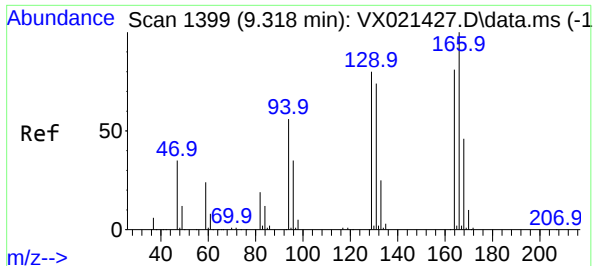
Tgt Ion: 95 Resp: 52682  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 154.6  
176 71.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion: 117 Resp: 106861  
Ion Ratio Lower Upper  
117 100  
82 63.3 47.4 71.2  
119 33.4 26.6 39.8



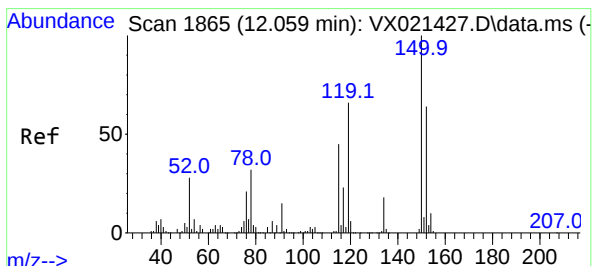
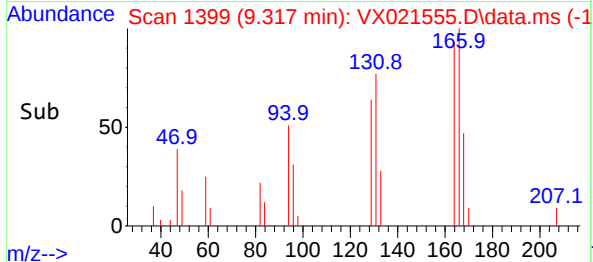
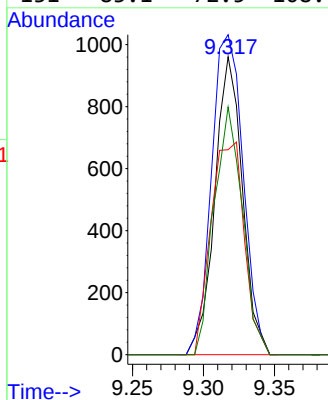
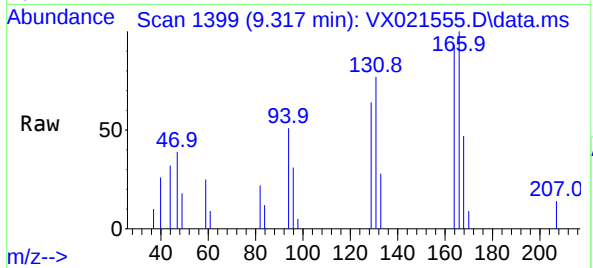


#64  
Tetrachloroethene  
Concen: 1.82 ug/l  
RT: 9.317 min Scan# 1399  
Delta R.T. -0.001 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW203D1-20210320

Tgt Ion:164 Resp: 1301

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 166 | 107.4 | 103.4 | 155.2  |
| 129 | 68.8  | 70.8  | 106.2# |
| 131 | 83.1  | 72.5  | 108.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.000 min  
Lab File: VX021555.D  
Acq: 27 Mar 2021 01:56

Tgt Ion:152 Resp: 43019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 64.9  | 41.1  | 123.3 |
| 150 | 160.9 | 0.0   | 349.0 |

