

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030421\  
 Data File : VX020971.D  
 Acq On : 02 Mar 2021 17:55  
 Operator : JC/MD  
 Sample : M1503-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 03 01:17:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

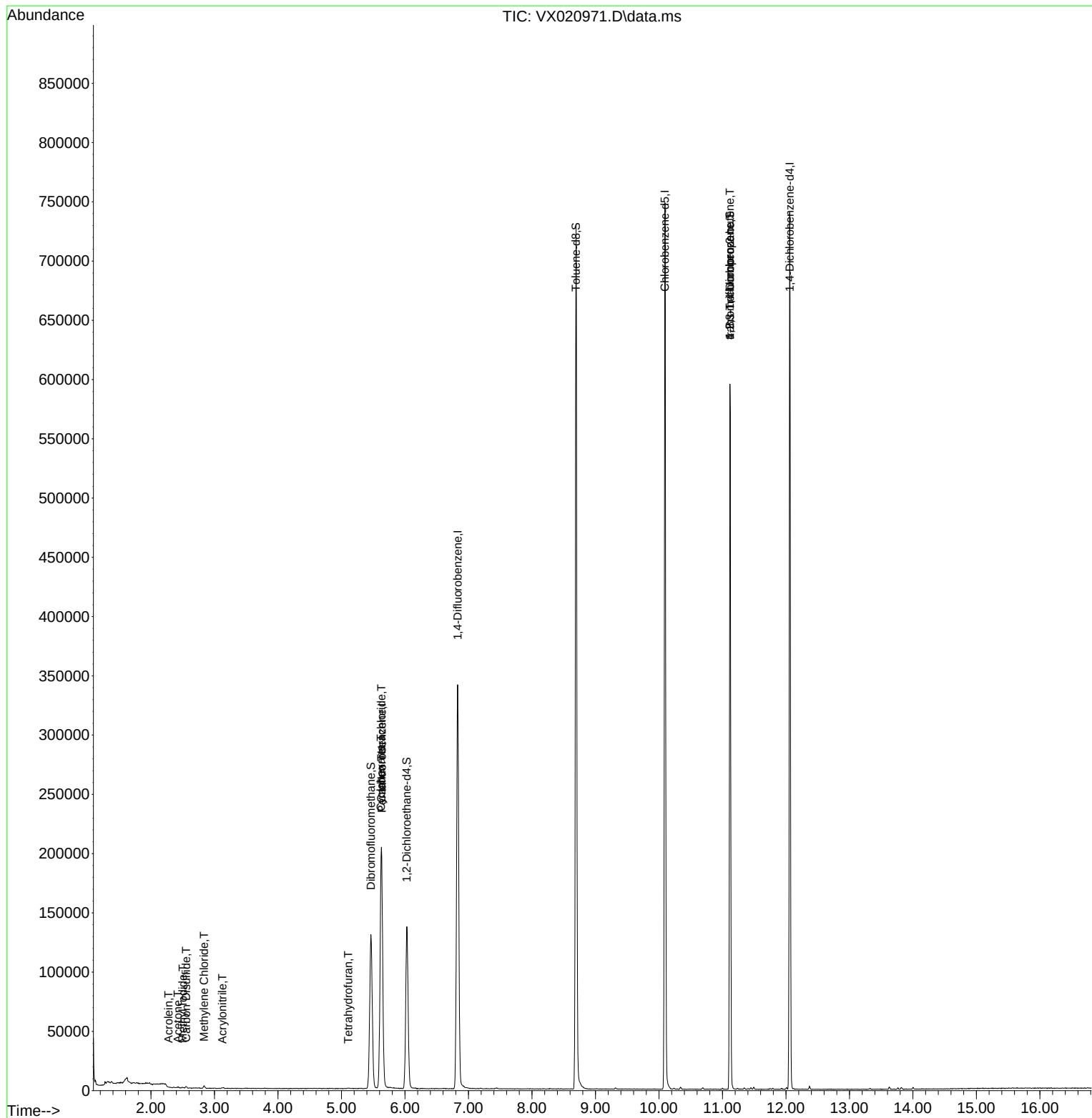
| Compound                      | R.T.   | QIon  | Response | Conc         | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|-------|----------|
| -----                         |        |       |          |              |       |          |
| Internal Standards            |        |       |          |              |       |          |
| 1) Pentafluorobenzene         | 5.634  | 168   | 203001   | 50.00        | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 367574   | 50.00        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 361360   | 50.00        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 157695   | 50.00        | ug/l  | 0.00     |
|                               |        |       |          |              |       |          |
| System Monitoring Compounds   |        |       |          |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 127938   | 46.66        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery     | =     | 93.32%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 113081   | 50.63        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery     | =     | 101.26%  |
| 50) Toluene-d8                | 8.694  | 98    | 455348   | 52.29        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery     | =     | 104.58%  |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 166530   | 51.72        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery     | =     | 103.44%  |
|                               |        |       |          |              |       |          |
| Target Compounds              |        |       |          |              |       |          |
| 5) Bromomethane               | 1.640  | 94    | 520      | Below Cal    |       | 96       |
| 10) Methyl Iodide             | 2.499  | 142   | 817      | 0.28 ug/l #  |       | 89       |
| 13) Acrolein                  | 2.275  | 56    | 218      | 0.58 ug/l #  |       | 26       |
| 15) Acrylonitrile             | 3.122  | 53    | 337      | 0.26 ug/l #  |       | 91       |
| 16) Acetone                   | 2.422  | 43    | 983      | 0.87 ug/l    |       | 93       |
| 17) Carbon Disulfide          | 2.552  | 76    | 1666     | 0.26 ug/l #  |       | 87       |
| 20) Methylene Chloride        | 2.834  | 84    | 1036     | 0.38 ug/l #  |       | 87       |
| 29) Tetrahydrofuran           | 5.105  | 42    | 314      | 0.29 ug/l #  |       | 44       |
| 31) Cyclohexane               | 5.623  | 56    | 3889     | 0.98 ug/l #  |       | 1        |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 18797    | 5.55 ug/l #  |       | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 79873    | 23.54 ug/l # |       | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 79873    | 52.13 ug/l # |       | 12       |
| -----                         |        |       |          |              |       |          |

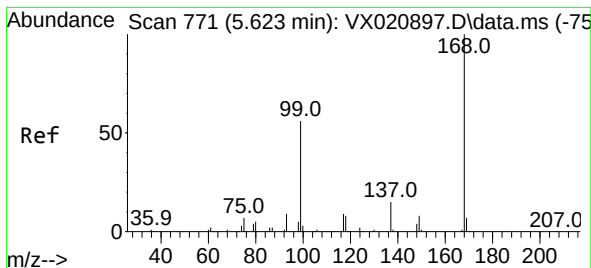
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030421\  
Data File : VX020971.D  
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Sample : M1503-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 03 01:17:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.634 min Scan# 773

Delta R.T. 0.011 min

Lab File: VX020971.D

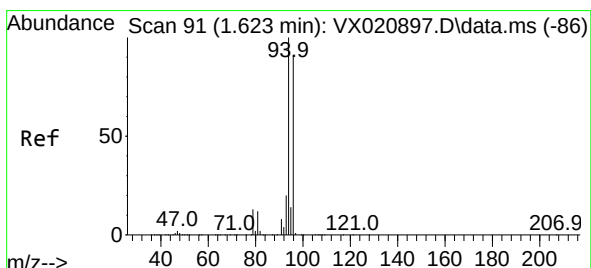
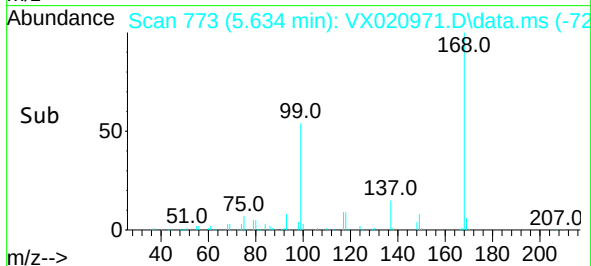
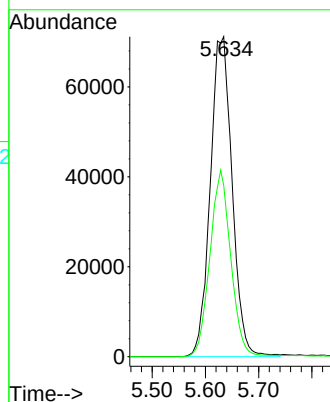
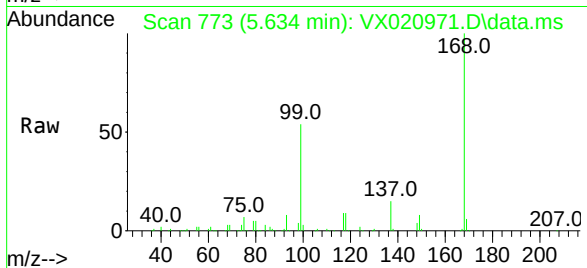
Acq: 02 Mar 2021 17:55

Tgt Ion:168 Resp: 203001

Ion Ratio Lower Upper

168 100

99 53.6 45.8 68.6



#5

Bromomethane

Concen: Below Cal

RT: 1.640 min Scan# 94

Delta R.T. 0.017 min

Lab File: VX020971.D

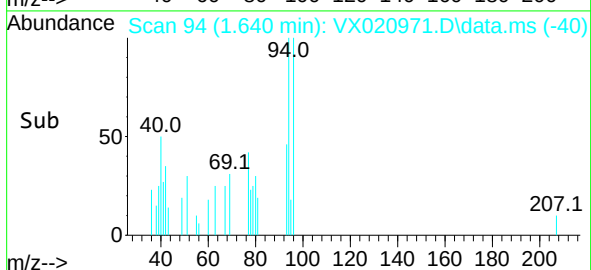
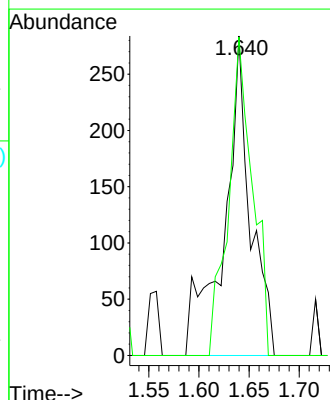
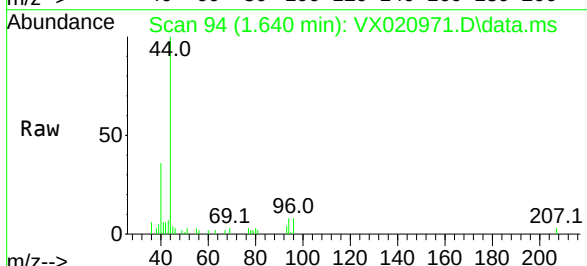
Acq: 02 Mar 2021 17:55

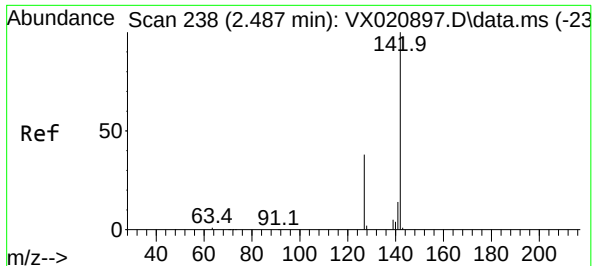
Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 99.6 76.4 114.6

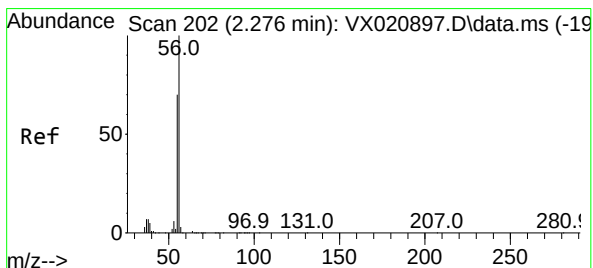
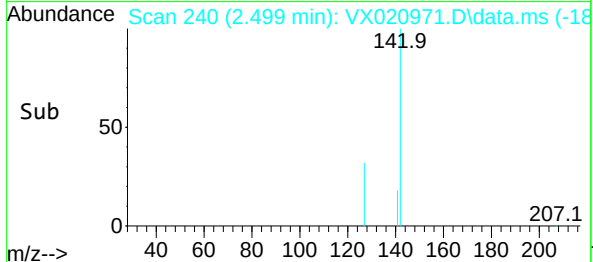
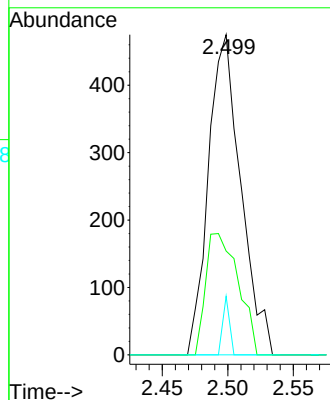
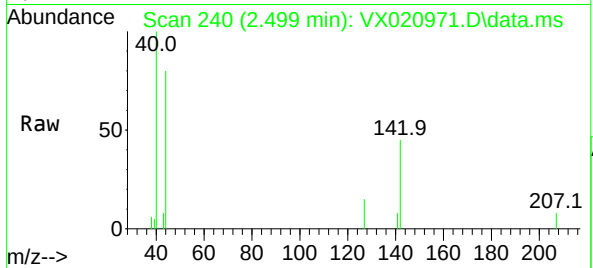




#10  
Methyl Iodide  
Concen: 0.28 ug/l  
RT: 2.499 min Scan# 240  
Delta R.T. 0.011 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

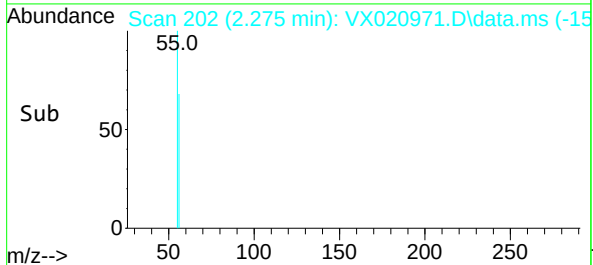
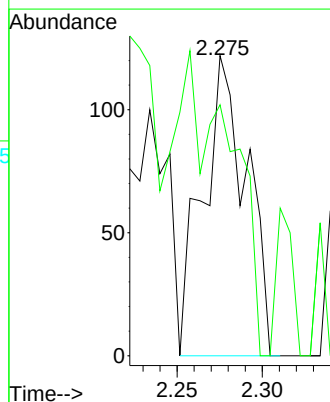
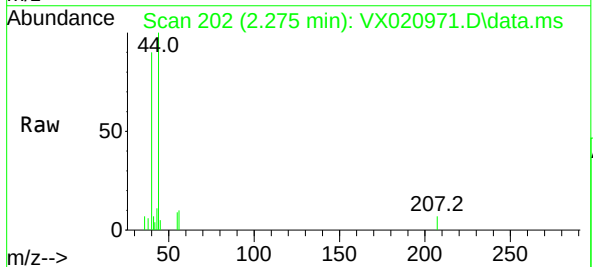
Instrument :  
MSVOA\_X  
ClientSampled :

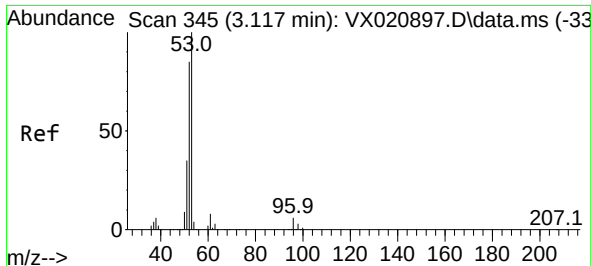
Tgt Ion:142 Resp: 817  
Ion Ratio Lower Upper  
142 100  
127 38.1 33.3 49.9  
141 3.8 11.4 17.0#



#13  
Acrolein  
Concen: 0.58 ug/l  
RT: 2.275 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

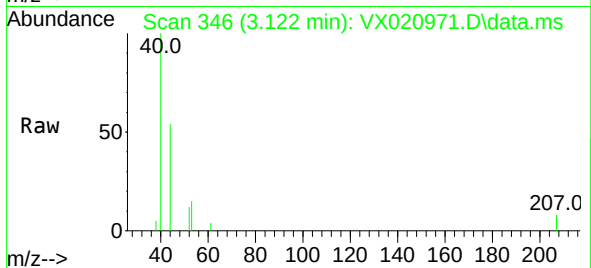
Tgt Ion: 56 Resp: 218  
Ion Ratio Lower Upper  
56 100  
55 9.6 56.4 84.6#



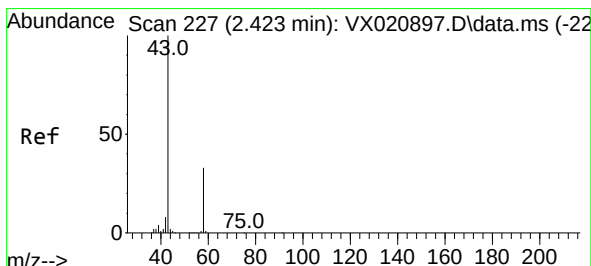
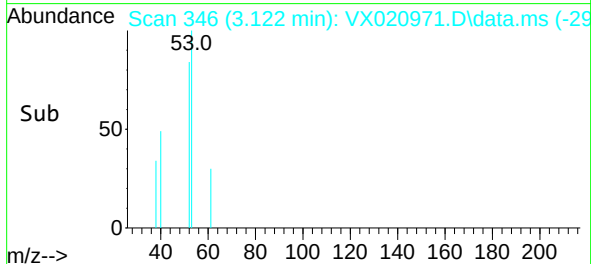
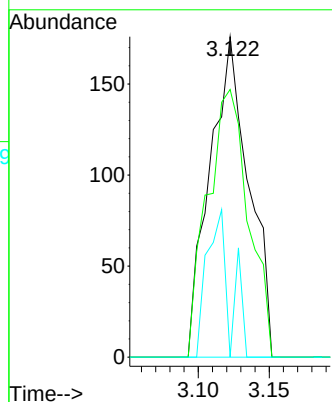


#15  
Acrylonitrile  
Concen: 0.26 ug/l  
RT: 3.122 min Scan# 346  
Delta R.T. 0.005 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Instrument :  
MSVOA\_X  
ClientSampled :

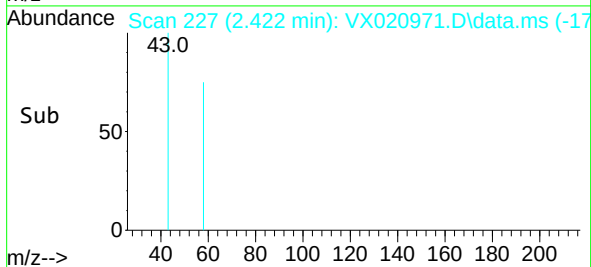
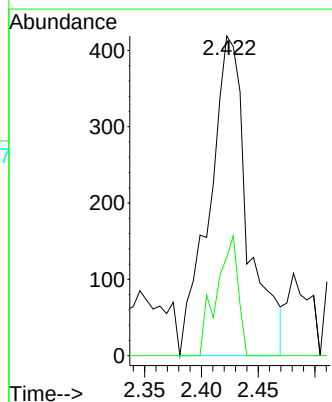
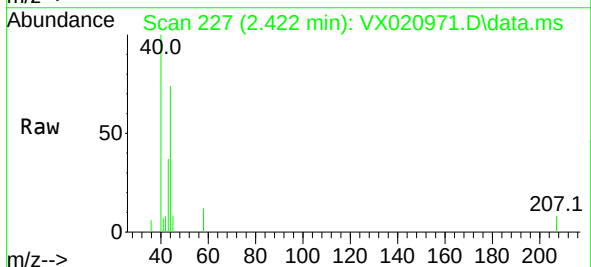


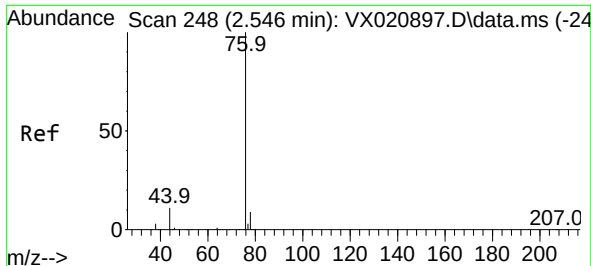
Tgt Ion: 53 Resp: 337  
Ion Ratio Lower Upper  
53 100  
52 87.5 65.3 97.9  
51 27.3 28.2 42.2#



#16  
Acetone  
Concen: 0.87 ug/l  
RT: 2.422 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

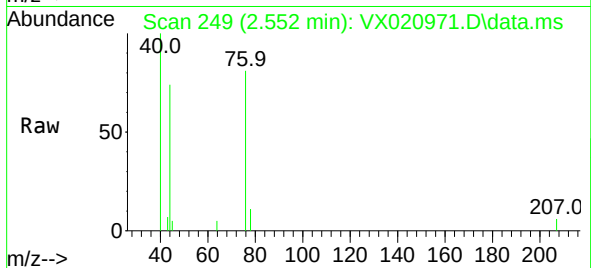
Tgt Ion: 43 Resp: 983  
Ion Ratio Lower Upper  
43 100  
58 30.8 27.8 41.8



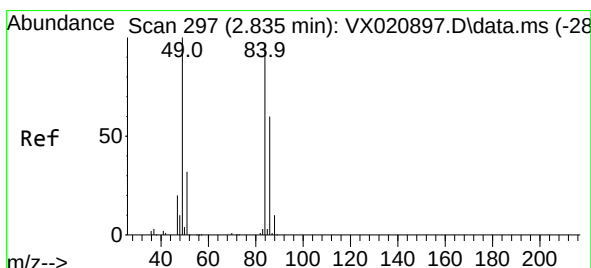
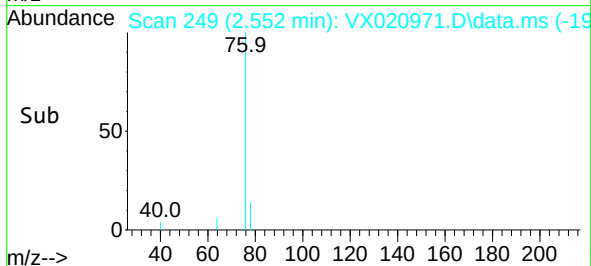
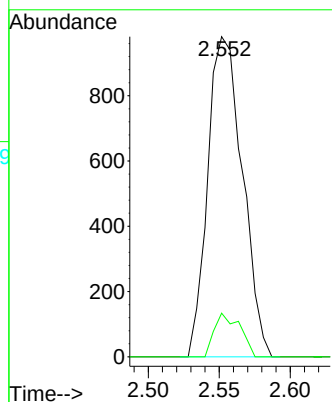


#17  
Carbon Disulfide  
Concen: 0.26 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.005 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Instrument :  
MSVOA\_X  
ClientSampleId :

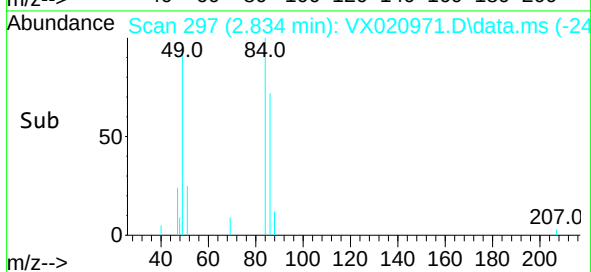
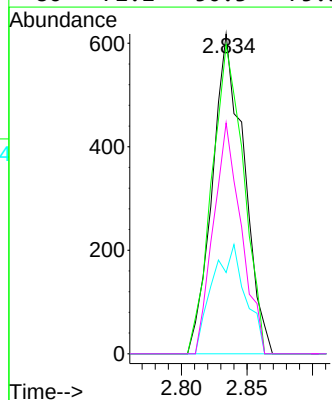
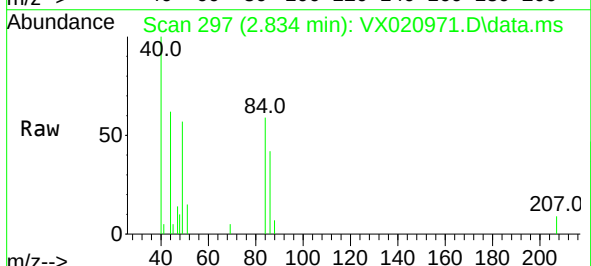


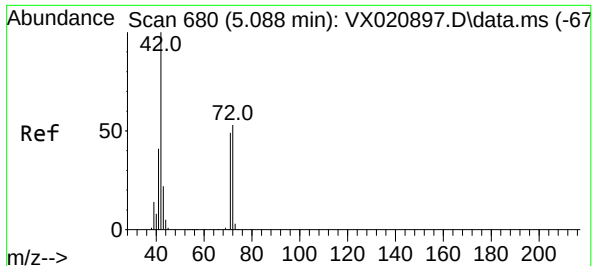
Tgt Ion: 76 Resp: 1666  
Ion Ratio Lower Upper  
76 100  
78 13.7 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.38 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Tgt Ion: 84 Resp: 1036  
Ion Ratio Lower Upper  
84 100  
49 96.6 88.6 132.8  
51 25.4 27.0 40.6#  
86 72.2 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.105 min Scan# 683

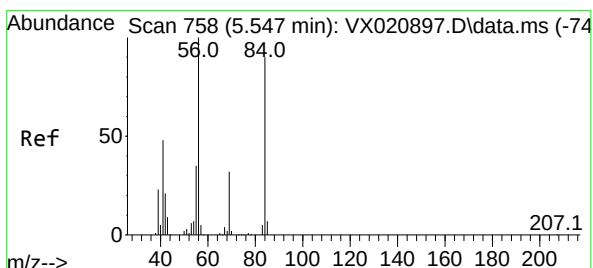
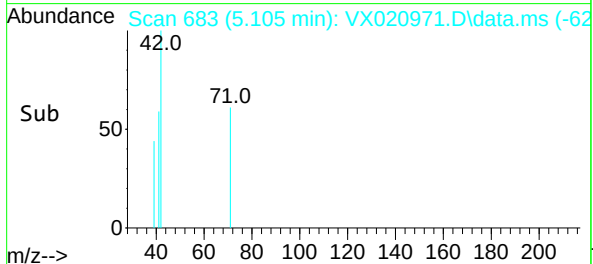
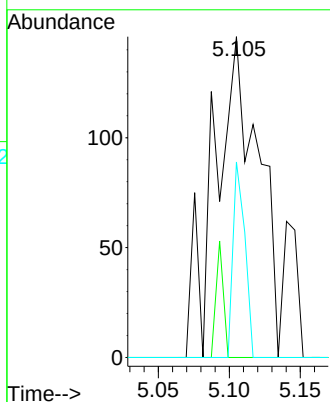
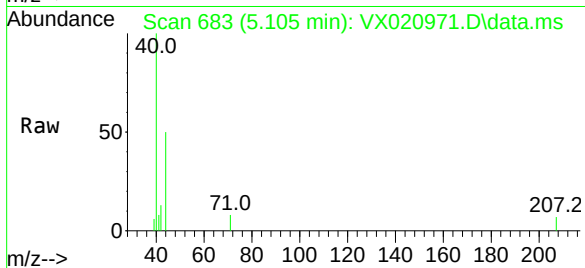
Delta R.T. 0.017 min

Lab File: VX020971.D

Acq: 02 Mar 2021 17:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 314   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 6.1   | 41.7  | 62.5# |
| 71       | 16.6  | 38.4  | 57.6# |

Instrument :  
MSVOA\_X  
ClientSampleId :



#31

Cyclohexane

Concen: 0.98 ug/l

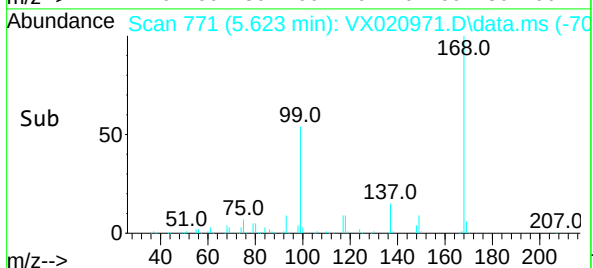
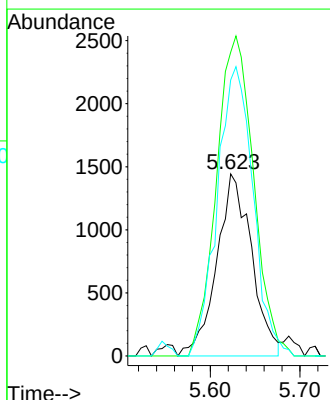
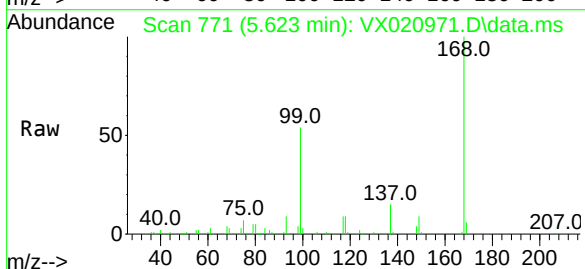
RT: 5.623 min Scan# 771

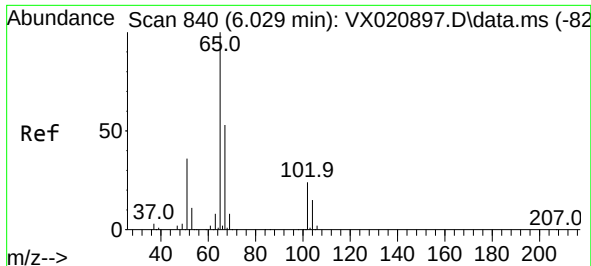
Delta R.T. 0.076 min

Lab File: VX020971.D

Acq: 02 Mar 2021 17:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3889   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 166.8 | 25.3  | 37.9#  |
| 84       | 151.5 | 71.4  | 107.0# |



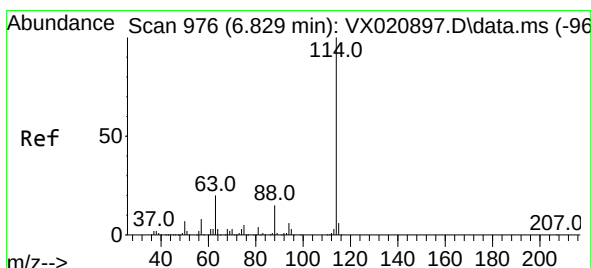
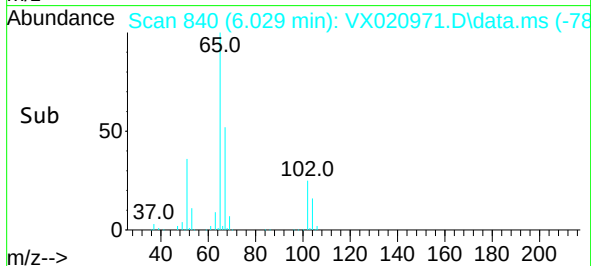
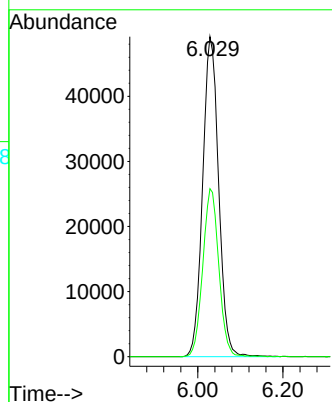
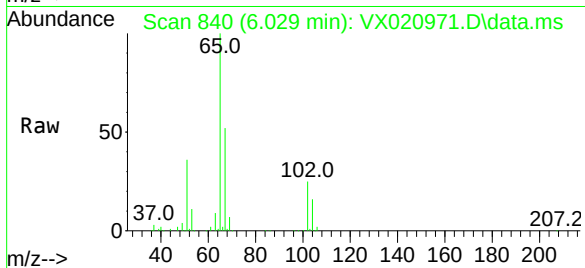


#33  
 1,2-Dichloroethane-d4  
 Concen: 46.66 ug/l  
 RT: 6.029 min Scan# 840  
 Delta R.T. -0.000 min  
 Lab File: VX020971.D  
 Acq: 02 Mar 2021 17:55

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tgt Ion: 65 Resp: 127938  

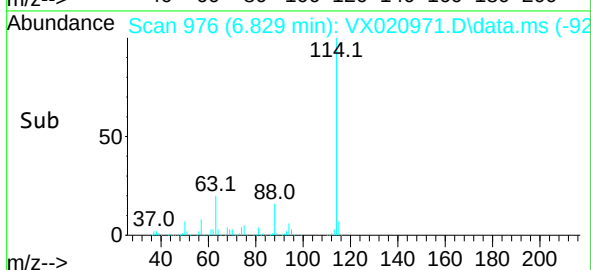
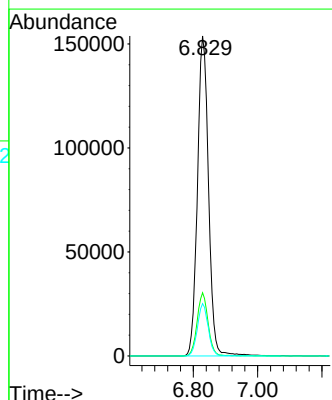
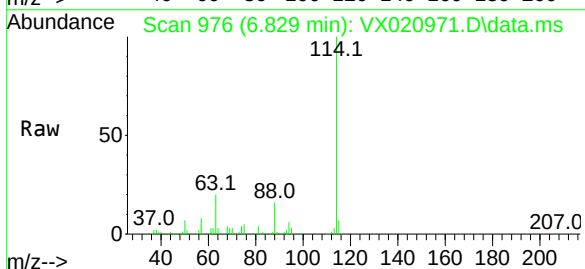
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.6  | 0.0   | 105.4 |



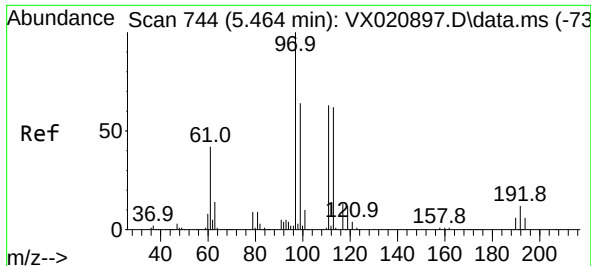
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.829 min Scan# 976  
 Delta R.T. -0.000 min  
 Lab File: VX020971.D  
 Acq: 02 Mar 2021 17:55

Tgt Ion: 114 Resp: 367574  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.8  | 0.0   | 40.8  |
| 88  | 16.4  | 0.0   | 32.8  |



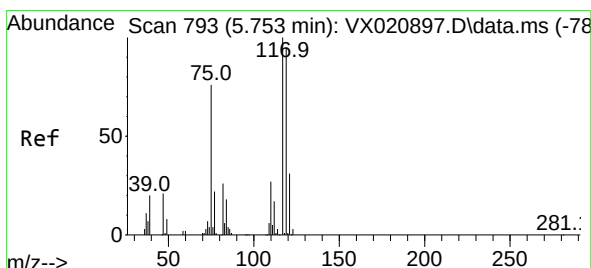
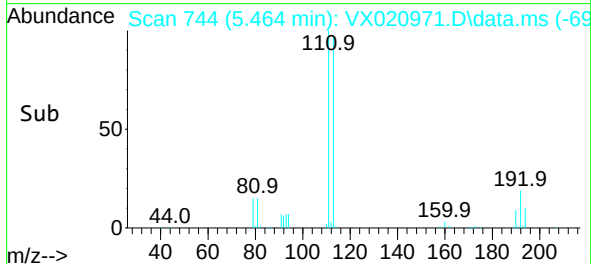
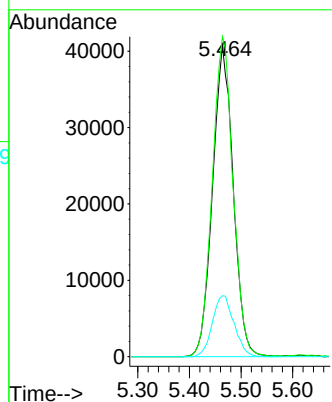
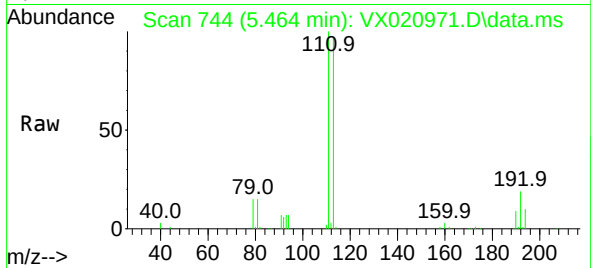




#35  
Dibromofluoromethane  
Concen: 50.63 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

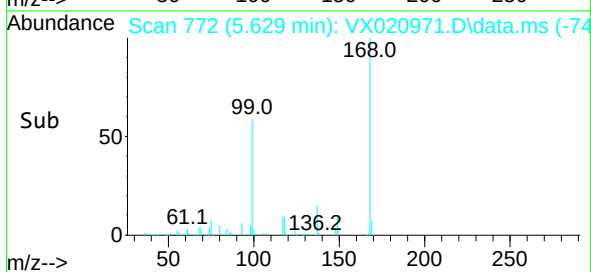
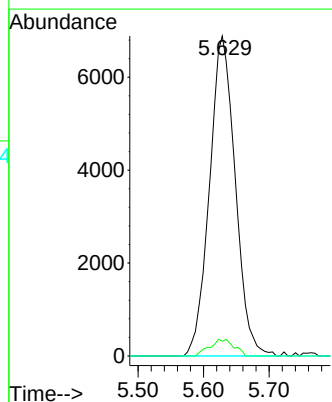
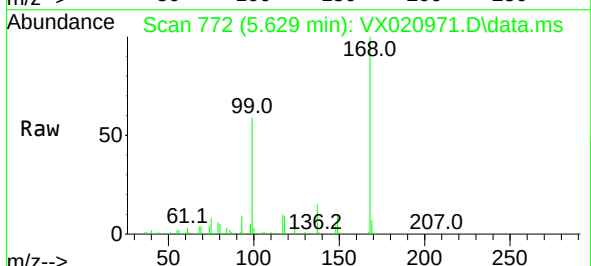
Instrument :  
MSVOA\_X  
ClientSampleId :

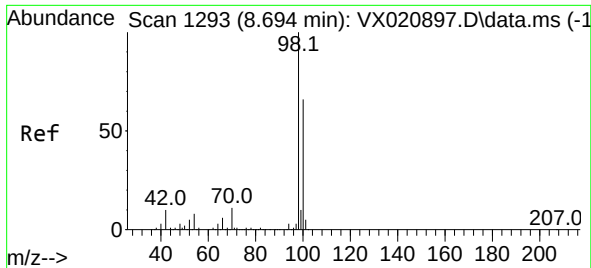
Tgt Ion:113 Resp: 113081  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.9 122.9  
192 20.5 16.7 25.1



#38  
Carbon Tetrachloride  
Concen: 5.55 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Tgt Ion:117 Resp: 18797  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.2 114.2#  
121 0.0 24.8 37.2#

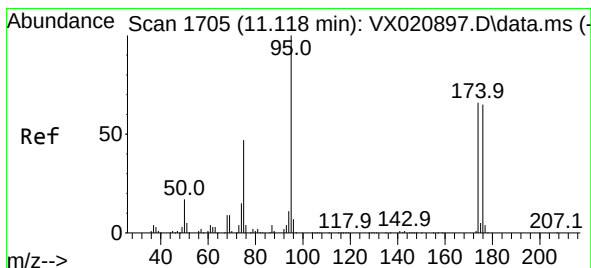
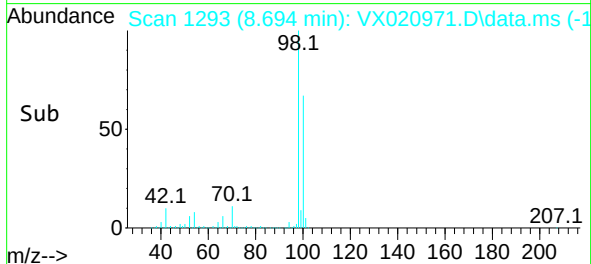
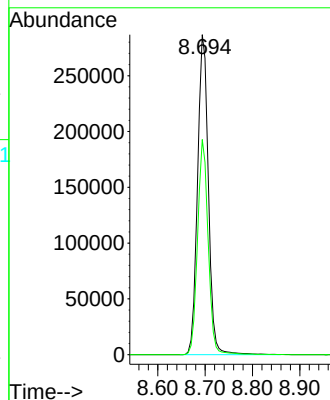
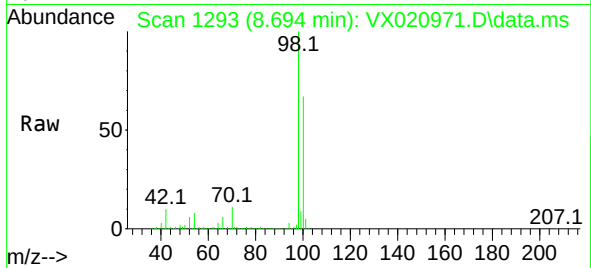




#50  
Toluene-d8  
Concen: 52.29 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

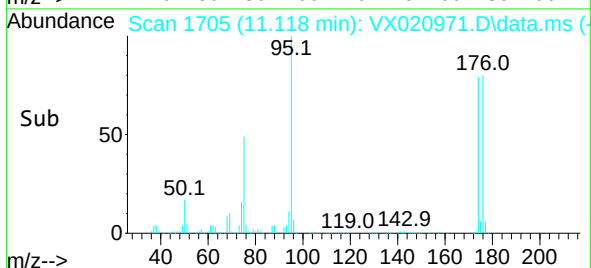
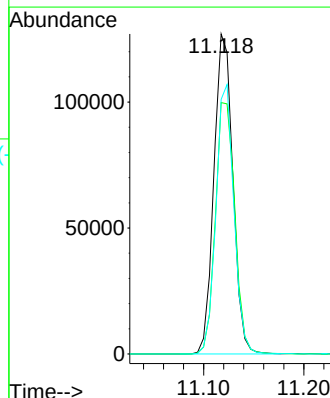
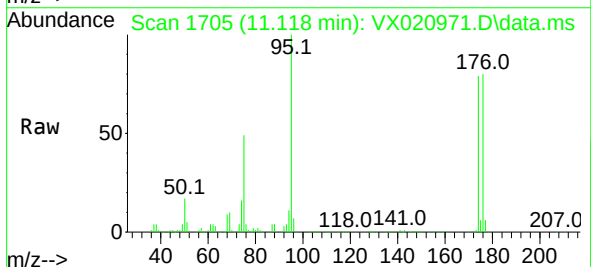
Instrument :  
MSVOA\_X  
ClientSampled :

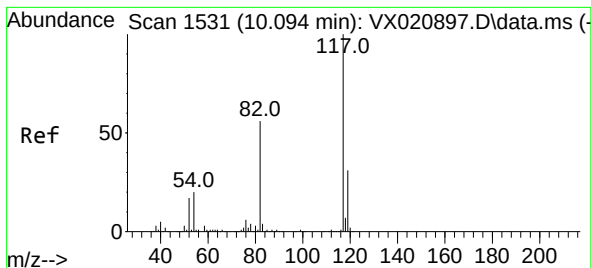
Tgt Ion: 98 Resp: 455348  
Ion Ratio Lower Upper  
98 100  
100 66.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 51.72 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Tgt Ion: 95 Resp: 166530  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 154.6  
176 80.0 0.0 155.8

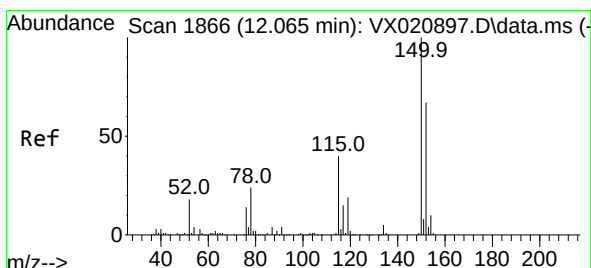
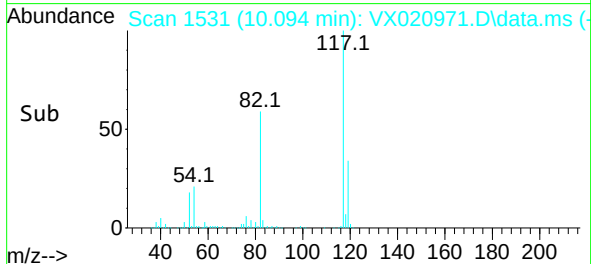
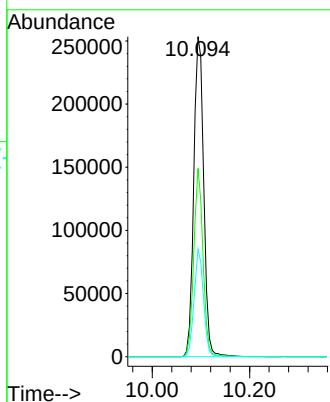
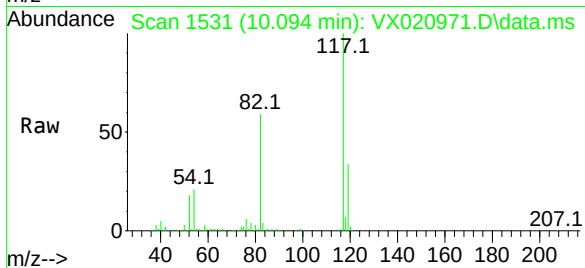




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

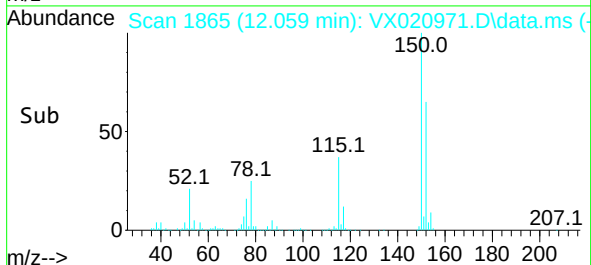
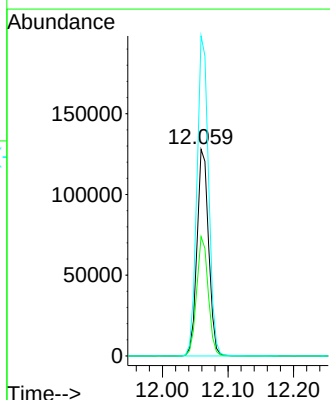
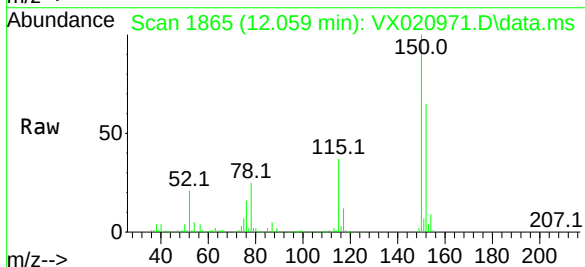
Instrument :  
MSVOA\_X  
ClientSampled :

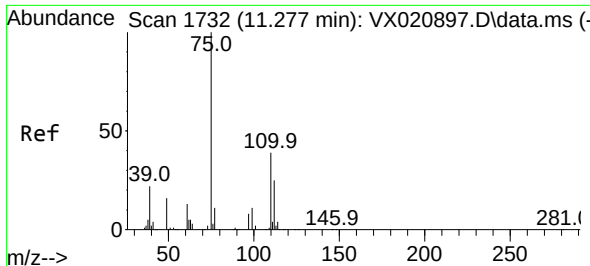
Tgt Ion:117 Resp: 361360  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.4 71.2  
119 33.6 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Tgt Ion:152 Resp: 157695  
Ion Ratio Lower Upper  
152 100  
115 57.4 41.1 123.3  
150 155.8 0.0 349.0

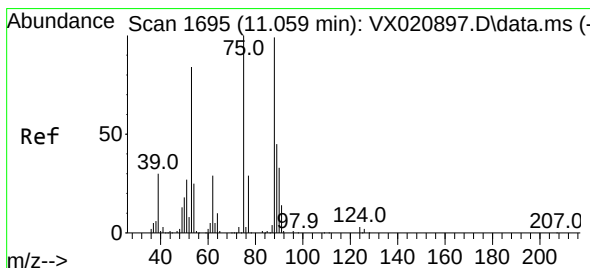
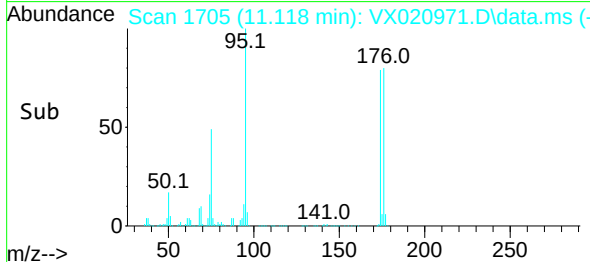
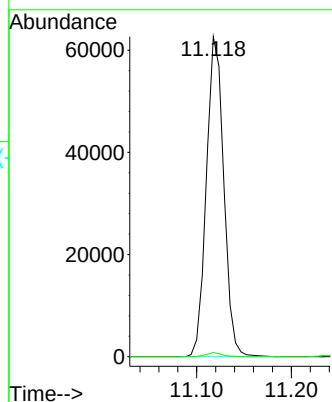
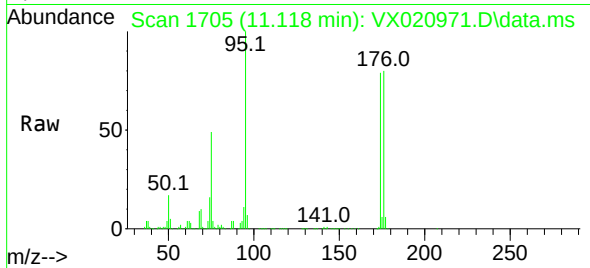




#76  
1,2,3-Trichloropropane  
Concen: 23.54 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 79873  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.13 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.058 min  
Lab File: VX020971.D  
Acq: 02 Mar 2021 17:55

Tgt Ion: 75 Resp: 79873  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

