

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031121\  
 Data File : VX021146.D  
 Acq On : 11 Mar 2021 10:53  
 Operator : JC/MD  
 Sample : VX0311MBL01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 12 02:16:48 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      | 5.629  | 168  | 192124   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.829  | 114  | 359900   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.094 | 117  | 357260   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.059 | 152  | 161920   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 6.023  | 65    | 130400   | 50.25    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 100.50% |
| 35) Dibromofluoromethane    | 5.464  | 113   | 113222   | 51.78    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 103.56% |
| 50) Toluene-d8              | 8.694  | 98    | 449400   | 52.71    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 105.42% |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 170866   | 54.20    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 108.40% |

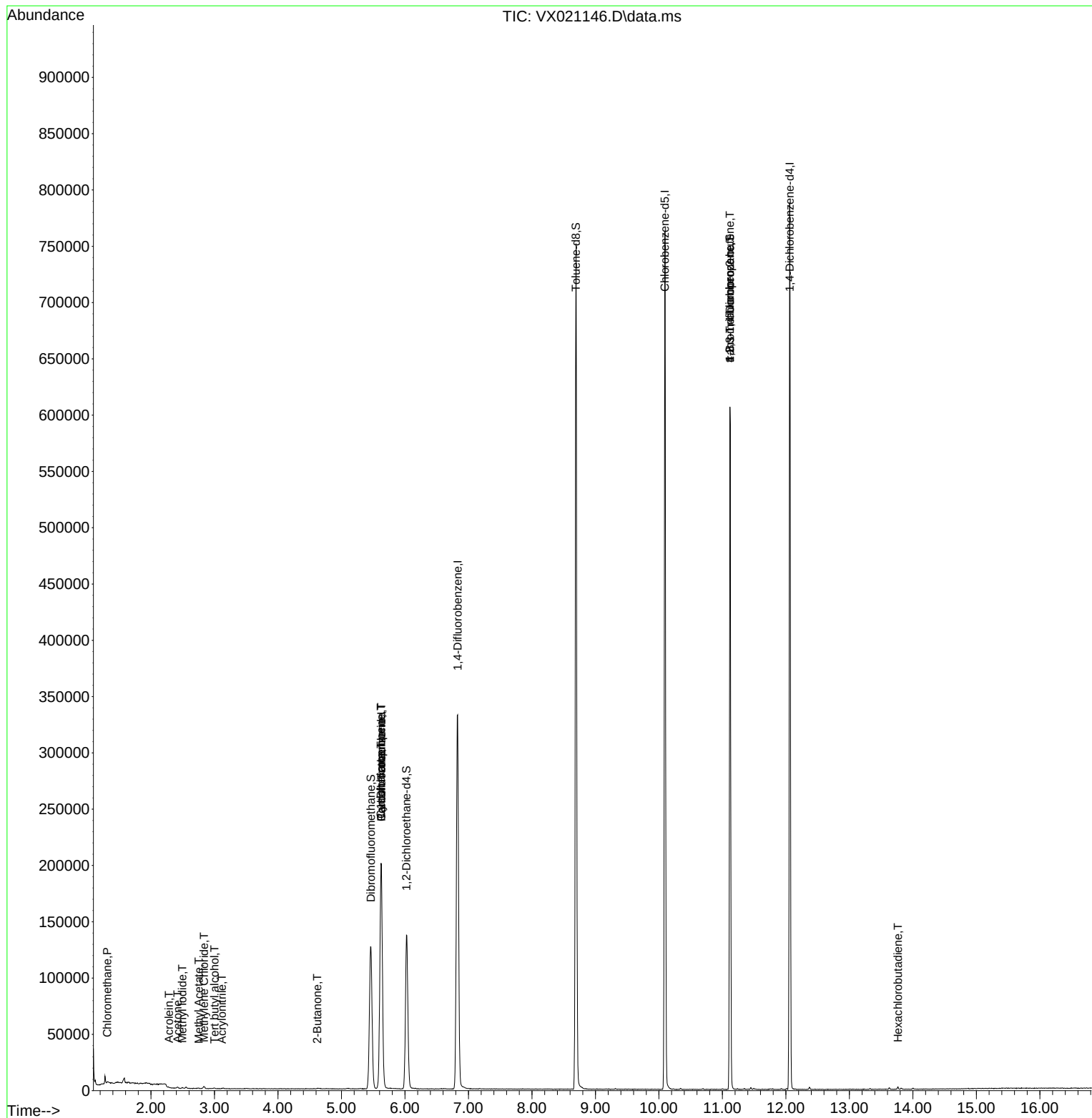
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 1.311  | 50   | 532      | 0.23      | ug/l   | 99     |
| 5) Bromomethane               | 1.640  | 94   | 633      | Below Cal |        | 97     |
| 10) Methyl Iodide             | 2.493  | 142  | 704      | 0.25      | ug/l # | 90     |
| 11) Tert butyl alcohol        | 2.999  | 59   | 365      | 0.63      | ug/l # | 73     |
| 13) Acrolein                  | 2.281  | 56   | 189      | 0.53      | ug/l # | 46     |
| 15) Acrylonitrile             | 3.117  | 53   | 301      | 0.24      | ug/l # | 77     |
| 16) Acetone                   | 2.417  | 43   | 1108     | 1.04      | ug/l   | 97     |
| 18) Methyl Acetate            | 2.752  | 43   | 625      | 0.25      | ug/l # | 64     |
| 20) Methylene Chloride        | 2.834  | 84   | 1008     | 0.39      | ug/l # | 90     |
| 25) 2-Butanone                | 4.617  | 43   | 334      | 0.21      | ug/l # | 45     |
| 31) Cyclohexane               | 5.623  | 56   | 3884     | 1.03      | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.623  | 75   | 15117    | 4.42      | ug/l # | 48     |
| 38) Carbon Tetrachloride      | 5.629  | 117  | 19090    | 5.76      | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75   | 82974    | 23.82     | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75   | 82974    | 52.74     | ug/l # | 12     |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 340      | 0.25      | ug/l   | 82     |

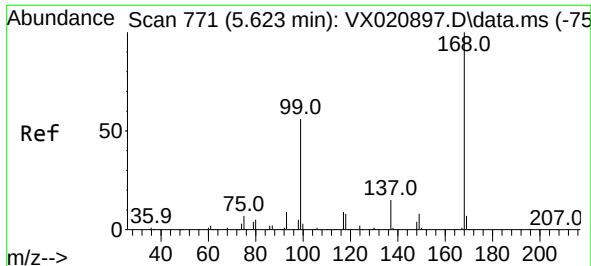
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031121\  
Data File : VX021146.D  
Acq On : 11 Mar 2021 10:53  
Operator : JC/MD  
Sample : VX0311MBL01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 12 02:16:48 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

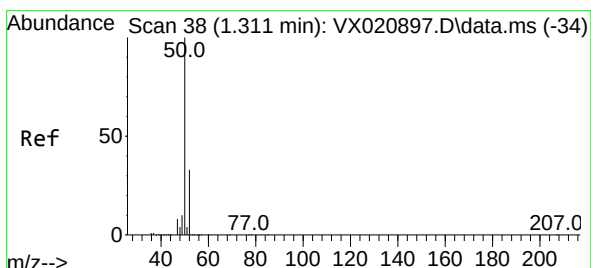
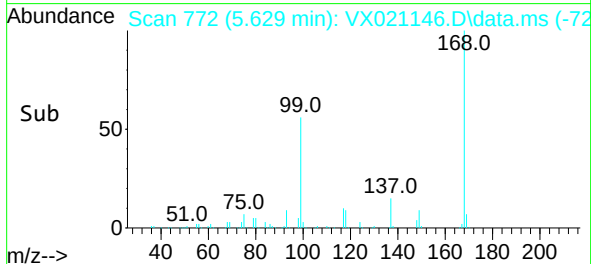
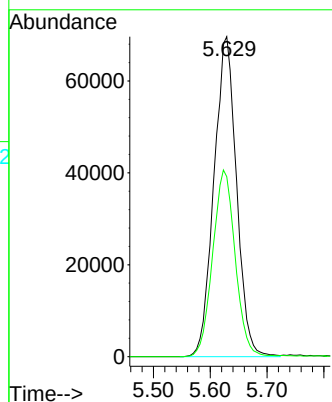
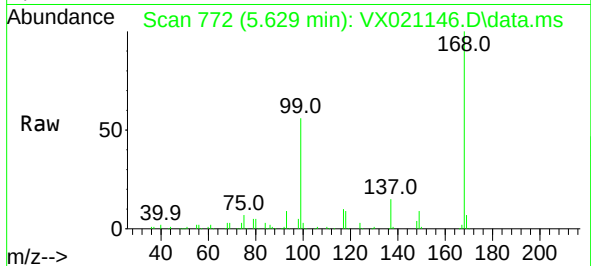




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.006 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

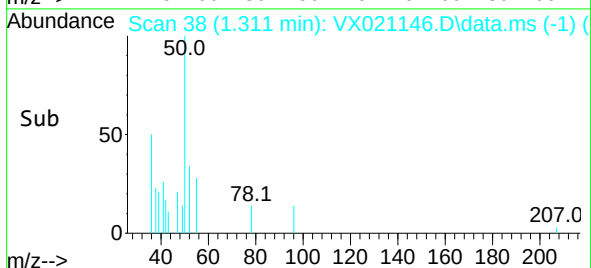
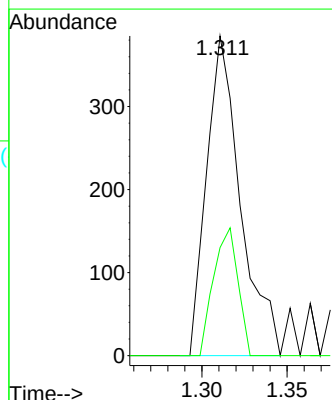
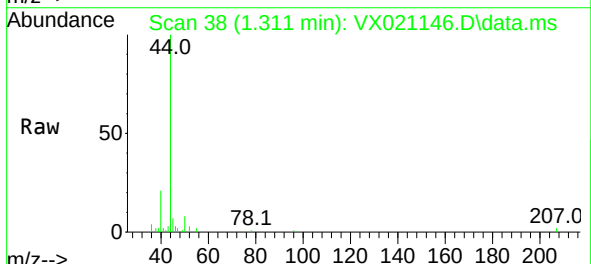
Instrument :  
MSVOA\_X  
ClientSampleId :

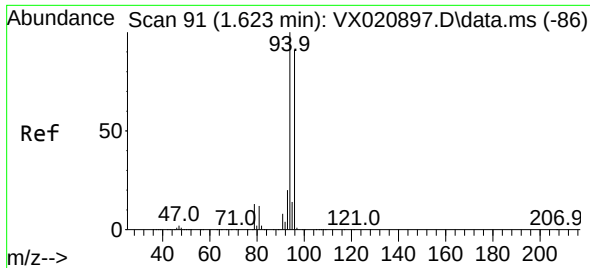
Tgt Ion:168 Resp: 192124  
Ion Ratio Lower Upper  
168 100  
99 56.2 45.8 68.6



#3  
Chloromethane  
Concen: 0.23 ug/l  
RT: 1.311 min Scan# 38  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

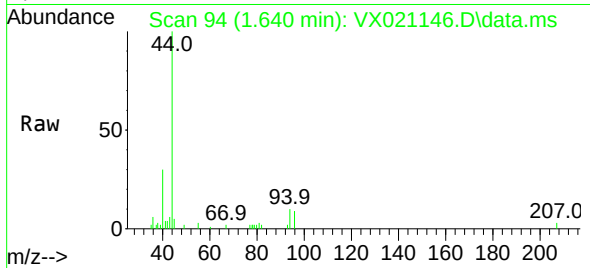
Tgt Ion: 50 Resp: 532  
Ion Ratio Lower Upper  
50 100  
52 33.8 26.4 39.6



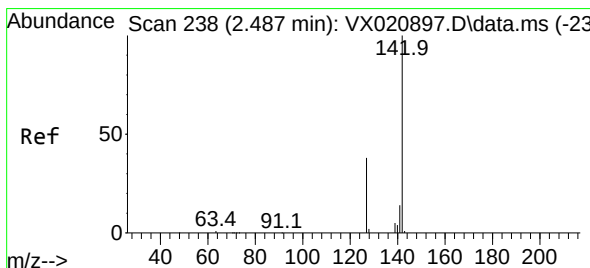
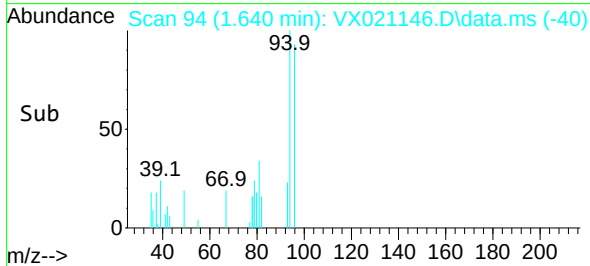
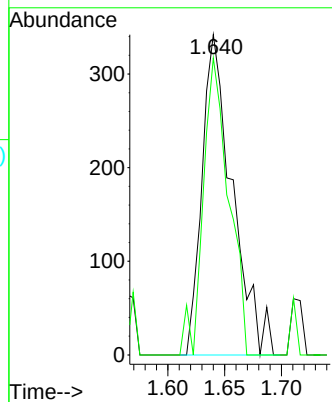


#5  
Bromomethane  
Concen: Below Cal  
RT: 1.640 min Scan# 94  
Delta R.T. 0.017 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :

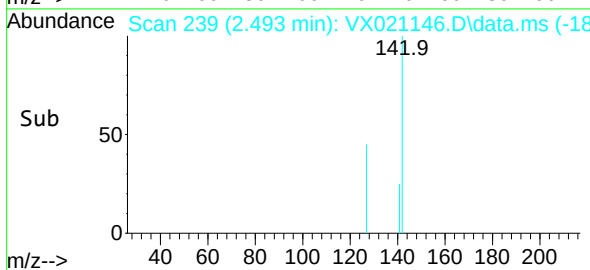
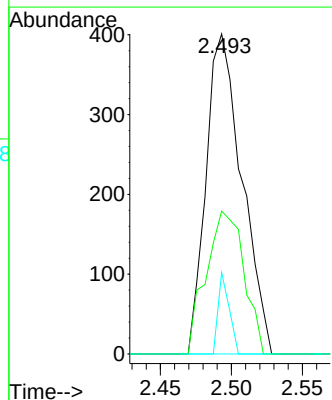
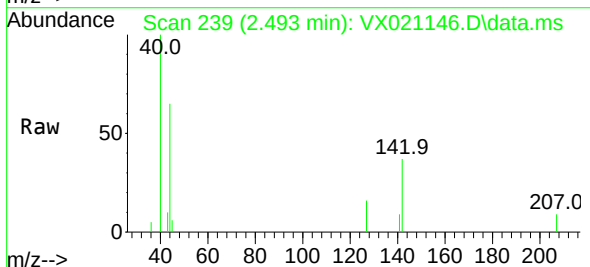


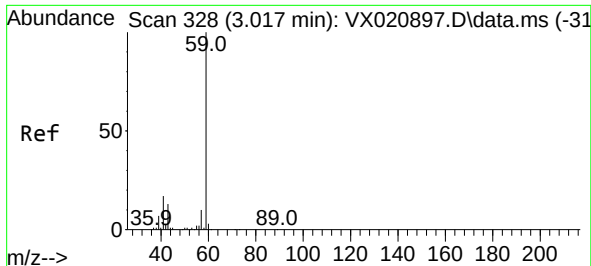
Tgt Ion: 94 Resp: 633  
Ion Ratio Lower Upper  
94 100  
96 92.7 76.4 114.6



#10  
Methyl Iodide  
Concen: 0.25 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.006 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Tgt Ion: 142 Resp: 704  
Ion Ratio Lower Upper  
142 100  
127 47.0 33.3 49.9  
141 7.8 11.4 17.0#

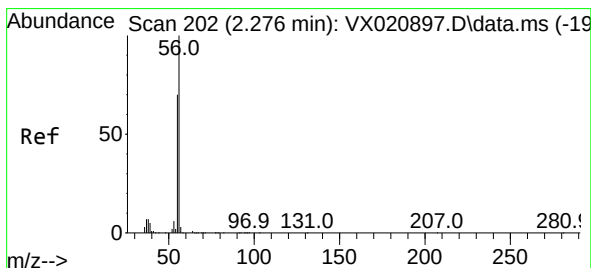
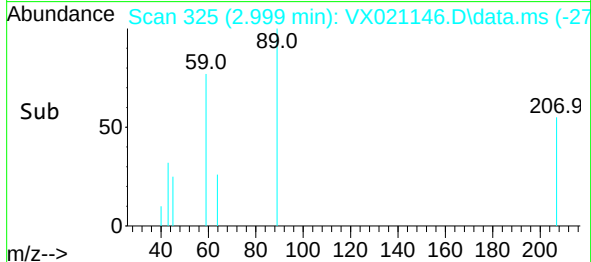
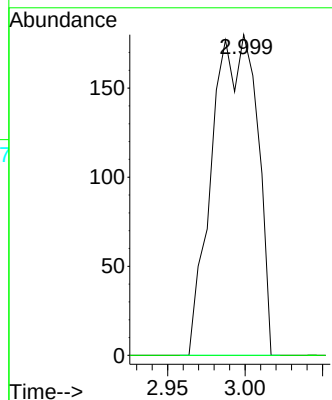
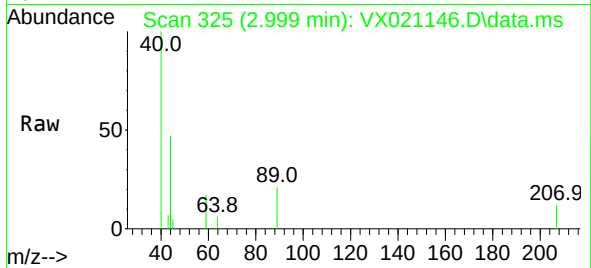




#11  
Tert butyl alcohol  
Concen: 0.63 ug/l  
RT: 2.999 min Scan# 325  
Delta R.T. -0.018 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

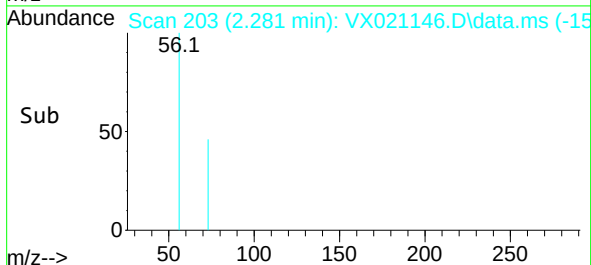
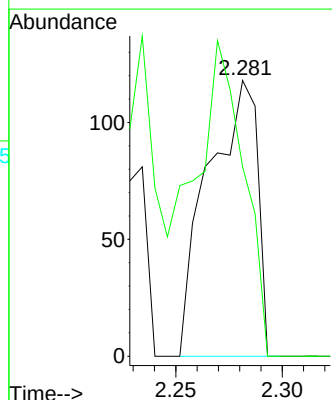
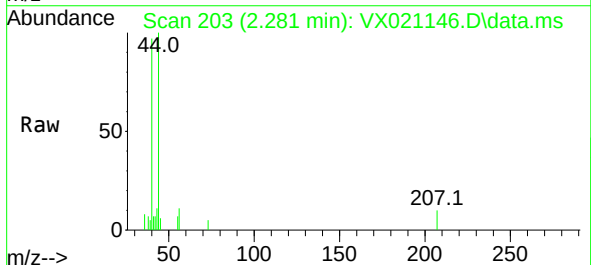
Instrument :  
MSVOA\_X  
ClientSampled :

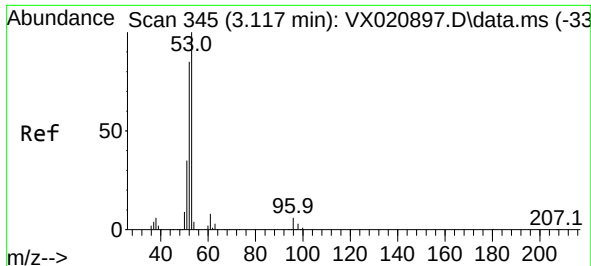
Tgt Ion: 59 Resp: 365  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.53 ug/l  
RT: 2.281 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Tgt Ion: 56 Resp: 189  
Ion Ratio Lower Upper  
56 100  
55 115.3 56.4 84.6#

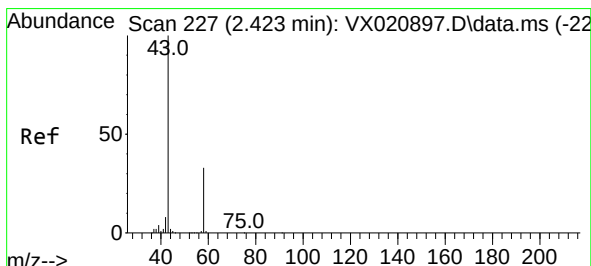
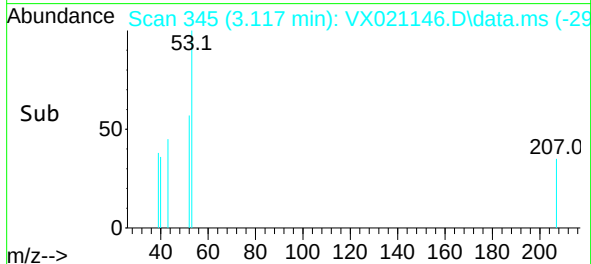
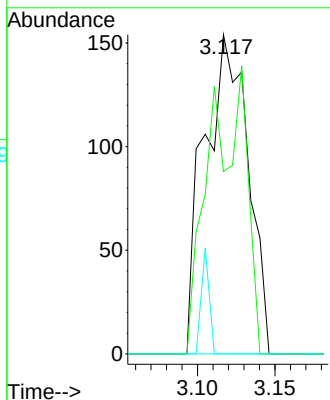
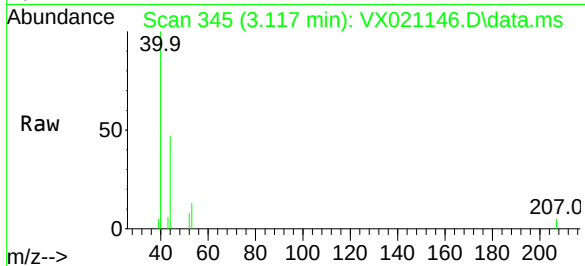




#15  
Acrylonitrile  
Concen: 0.24 ug/l  
RT: 3.117 min Scan# 345  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

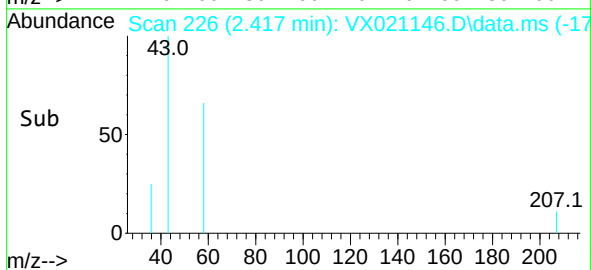
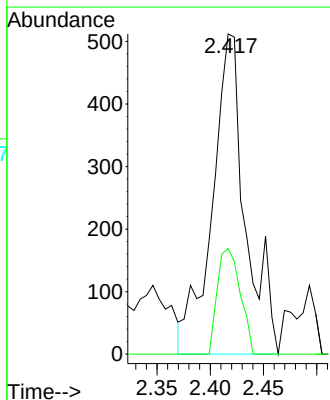
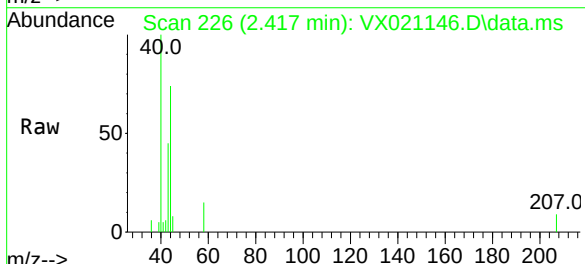
Instrument :  
MSVOA\_X  
ClientSampled :

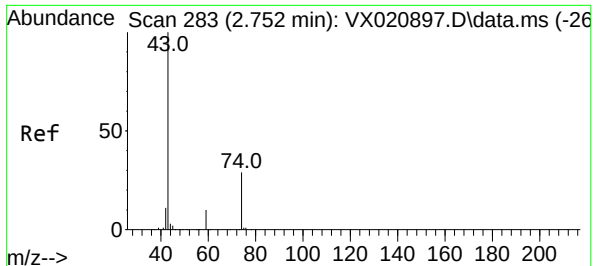
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 301   |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 76.1     | 65.3 97.9   |
| 51 0.0      | 28.2 42.2#  |



#16  
Acetone  
Concen: 1.04 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 1108  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 33.0     | 27.8 41.8   |





#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.752 min Scan# 283

Delta R.T. -0.000 min

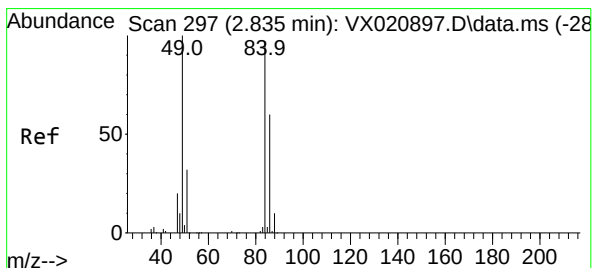
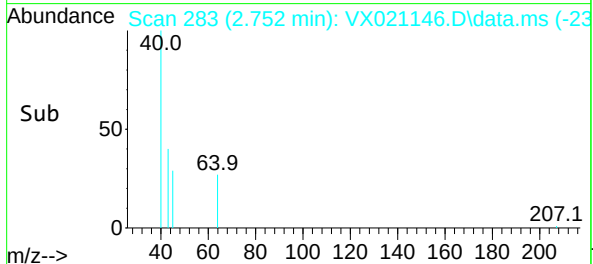
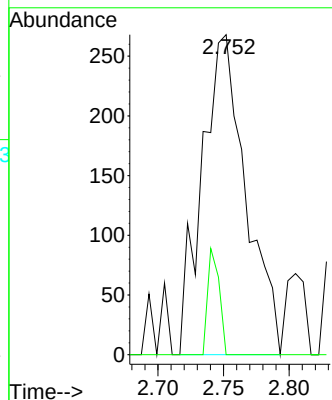
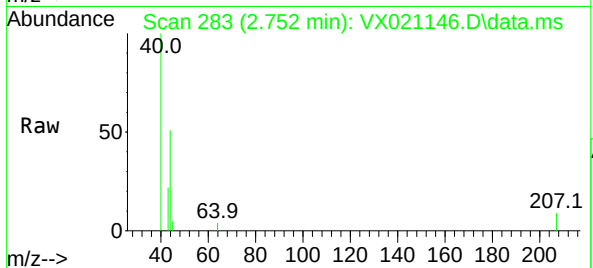
Lab File: VX021146.D

Acq: 11 Mar 2021 10:53

Tgt Ion: 43 Resp: 625

Ion Ratio Lower Upper

43 100  
74 8.6 21.9 32.9#



#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

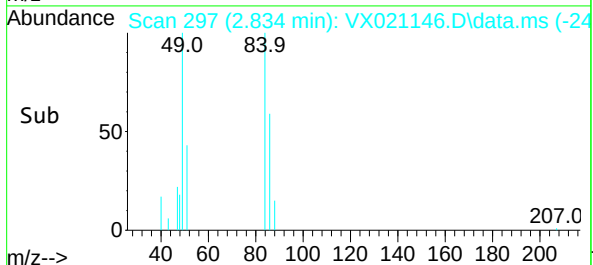
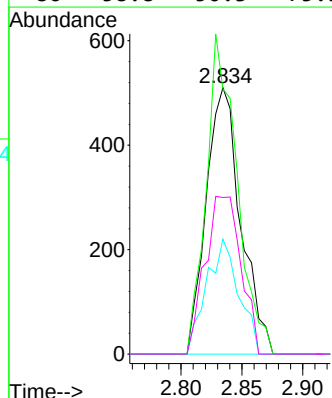
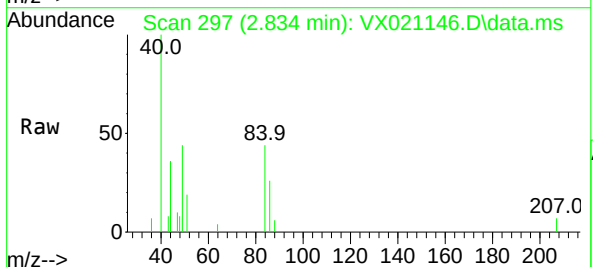
Lab File: VX021146.D

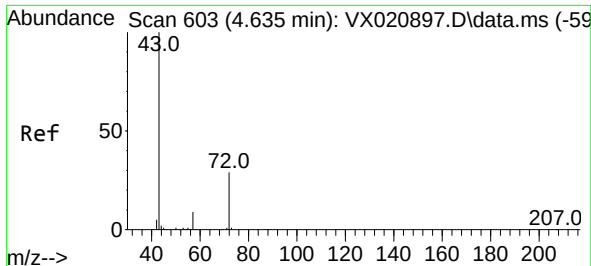
Acq: 11 Mar 2021 10:53

Tgt Ion: 84 Resp: 1008

Ion Ratio Lower Upper

84 100  
49 99.6 88.6 132.8  
51 43.1 27.0 40.6#  
86 58.8 50.3 75.5

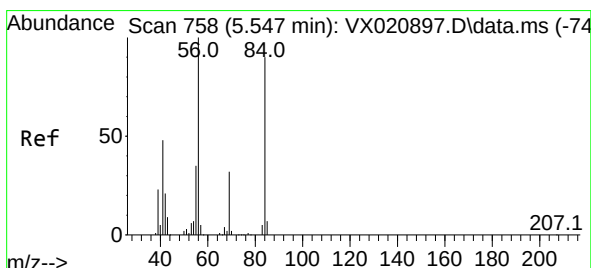
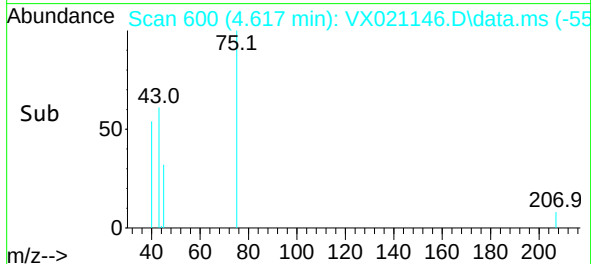
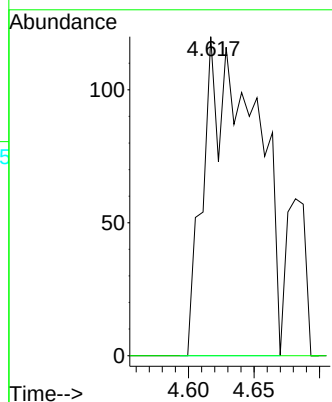
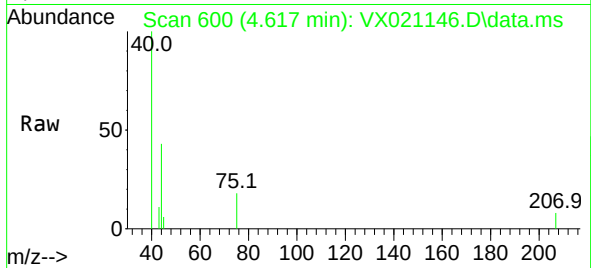




#25  
2-Butanone  
Concen: 0.21 ug/l  
RT: 4.617 min Scan# 600  
Delta R.T. -0.018 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

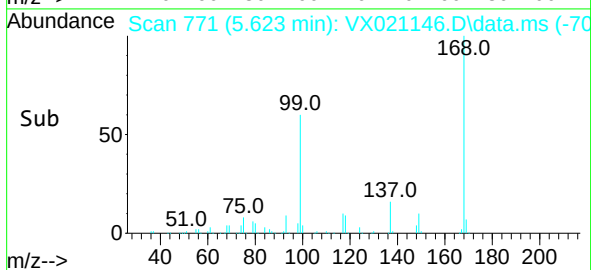
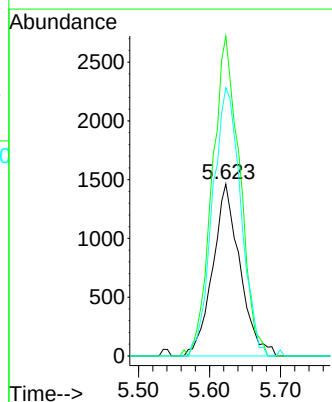
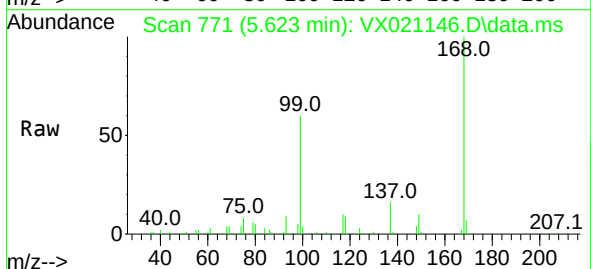
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 43 Resp: 334  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#

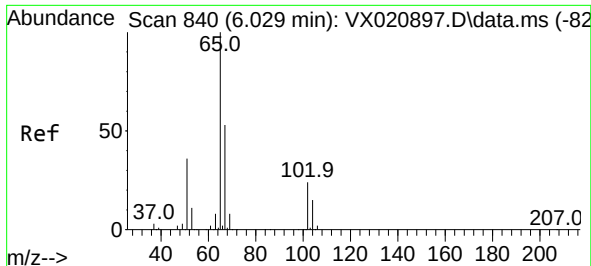


#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Tgt Ion: 56 Resp: 3884  
Ion Ratio Lower Upper  
56 100  
69 186.1 25.3 37.9#  
84 156.0 71.4 107.0#







#33

1,2-Dichloroethane-d4

Concen: 50.25 ug/l

RT: 6.023 min Scan# 839

Delta R.T. -0.006 min

Lab File: VX021146.D

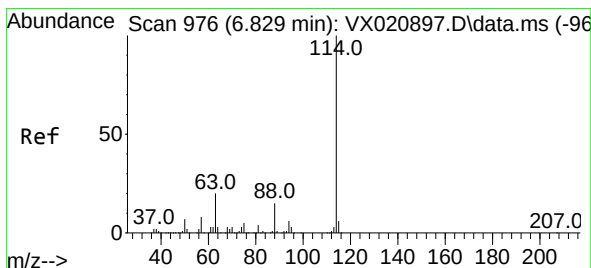
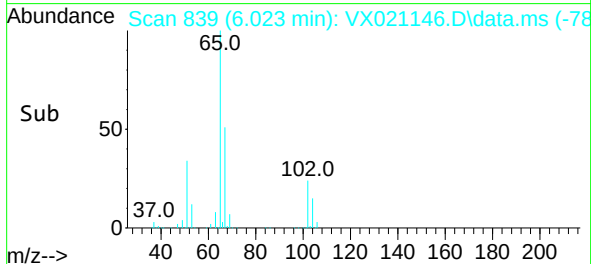
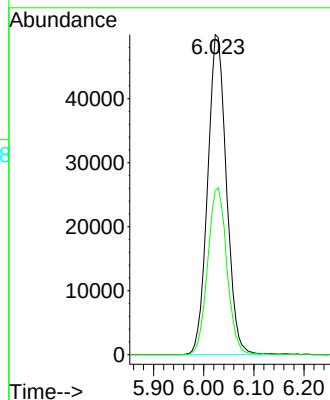
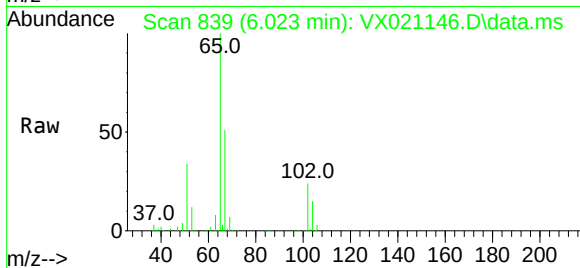
Acq: 11 Mar 2021 10:53

Tgt Ion: 65 Resp: 130400

Ion Ratio Lower Upper

65 100

67 53.0 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: VX021146.D

Acq: 11 Mar 2021 10:53

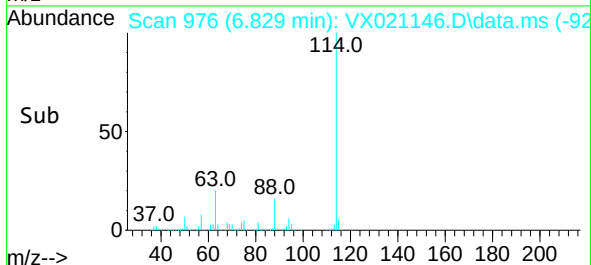
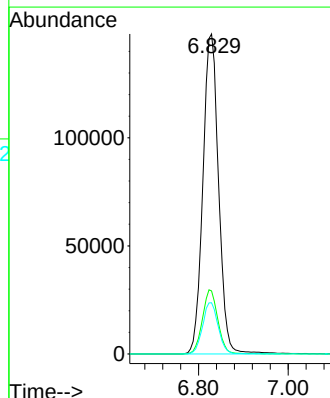
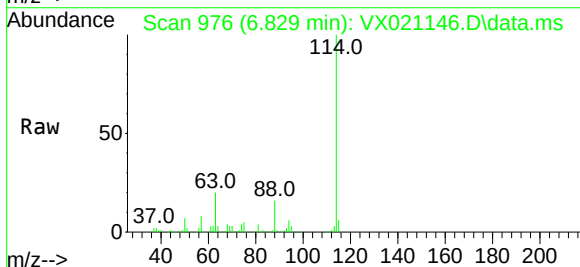
Tgt Ion: 114 Resp: 359900

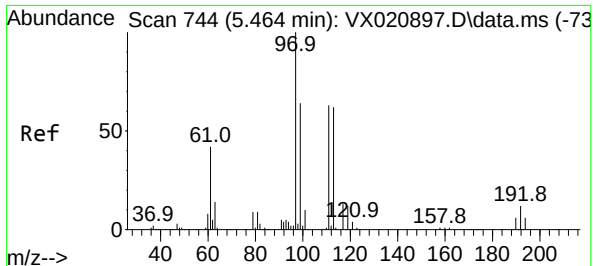
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.78 ug/l

RT: 5.464 min Scan# 744

Delta R.T. -0.000 min

Lab File: VX021146.D

Acq: 11 Mar 2021 10:53

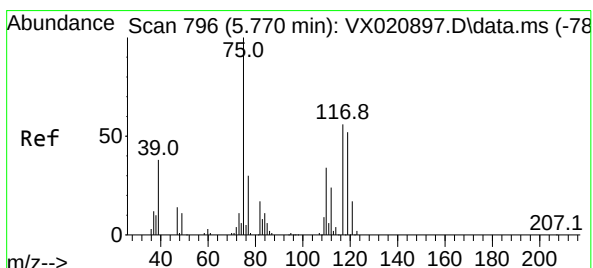
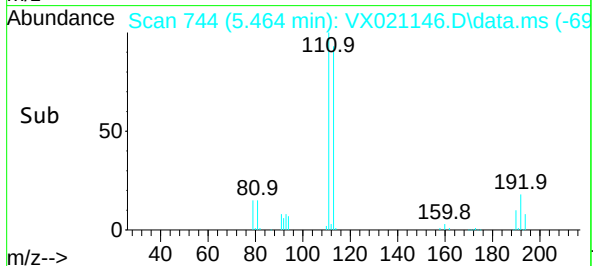
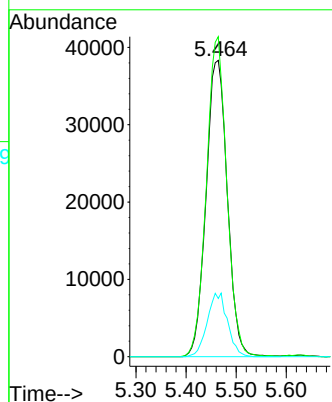
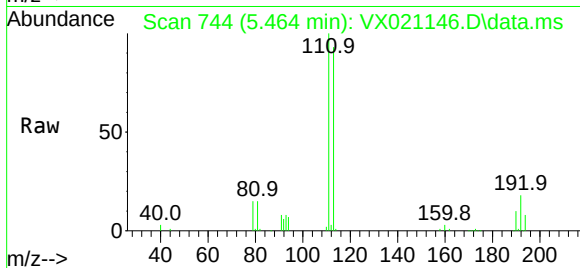
Tgt Ion:113 Resp: 113222

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

192 20.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.42 ug/l

RT: 5.623 min Scan# 771

Delta R.T. -0.147 min

Lab File: VX021146.D

Acq: 11 Mar 2021 10:53

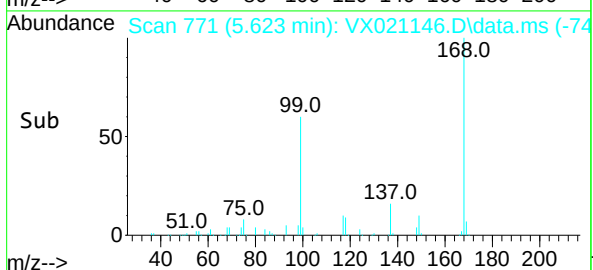
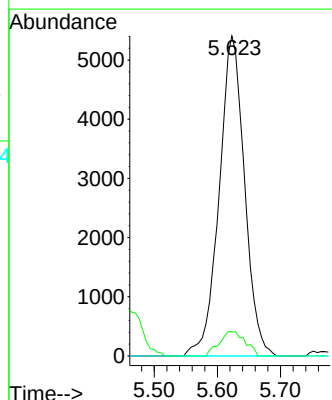
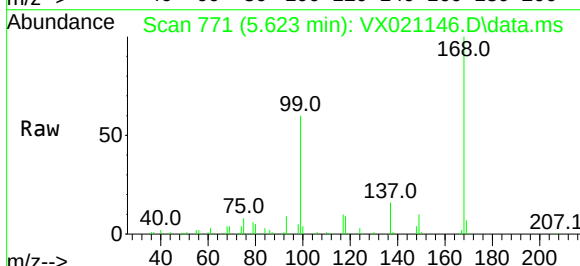
Tgt Ion: 75 Resp: 15117

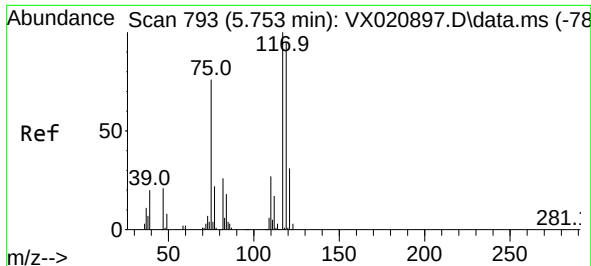
Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.4#

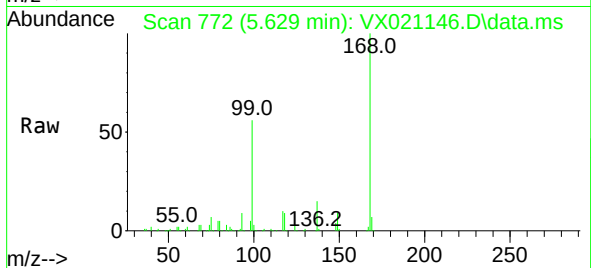
77 0.0 25.3 37.9#



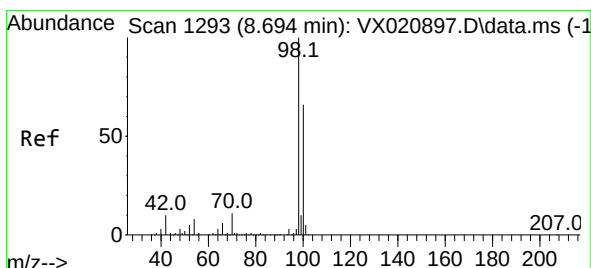
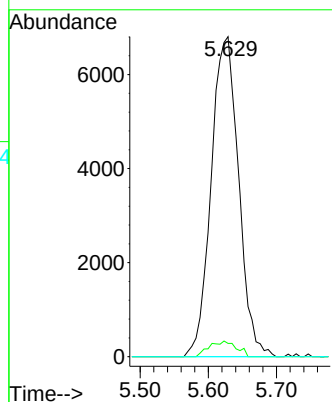
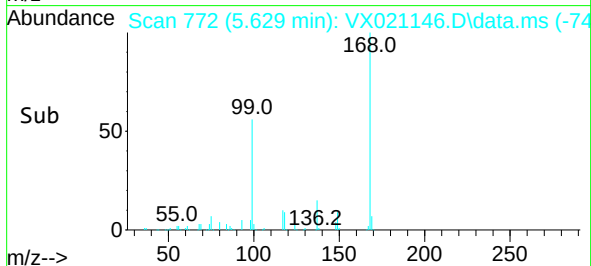


#38  
Carbon Tetrachloride  
Concen: 5.76 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

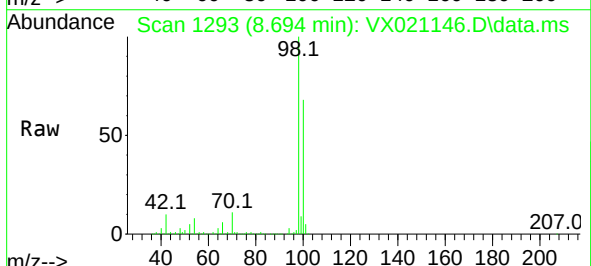
Instrument :  
MSVOA\_X  
ClientSampleId :



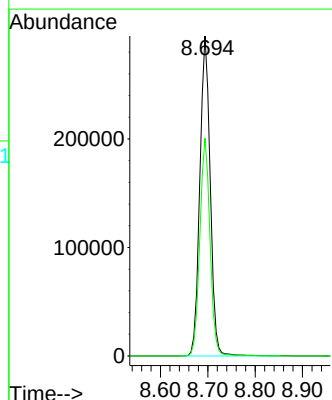
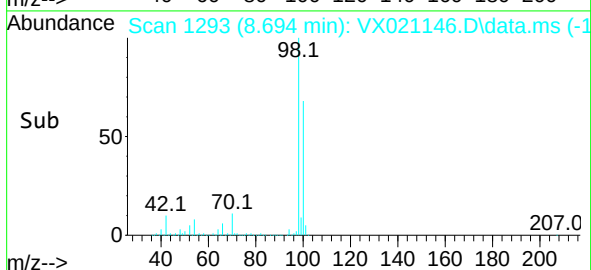
Tgt Ion:117 Resp: 19090  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.2 114.2#  
121 0.0 24.8 37.2#

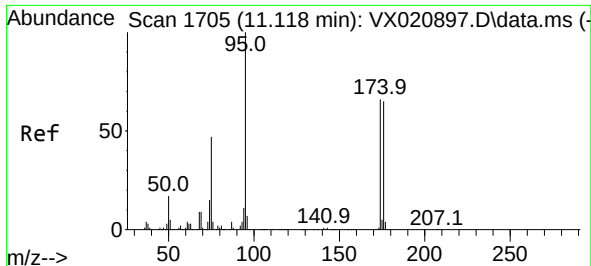


#50  
Toluene-d8  
Concen: 52.71 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53



Tgt Ion: 98 Resp: 449400  
Ion Ratio Lower Upper  
98 100  
100 67.0 51.9 77.9

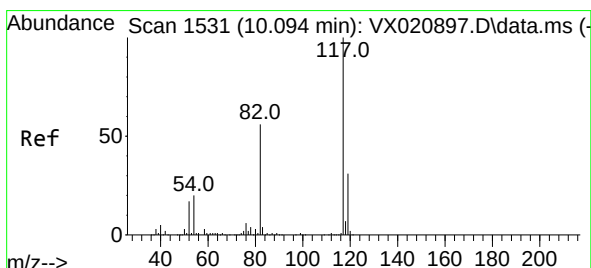
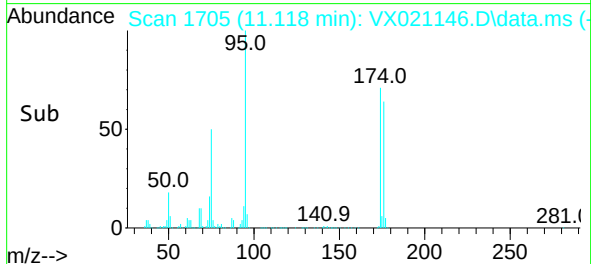
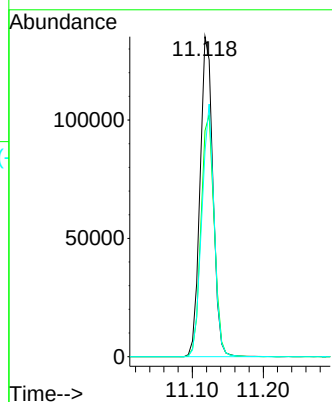
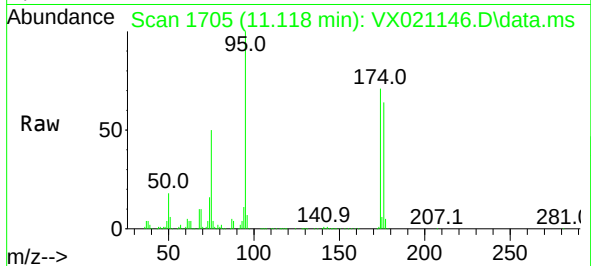




#62  
4-Bromofluorobenzene  
Concen: 54.20 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

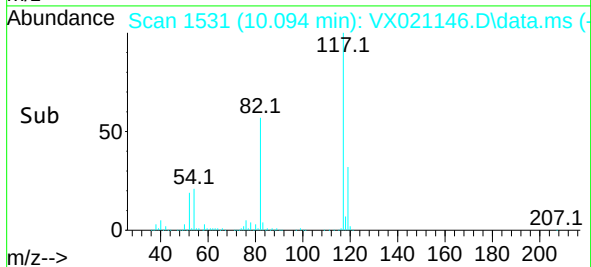
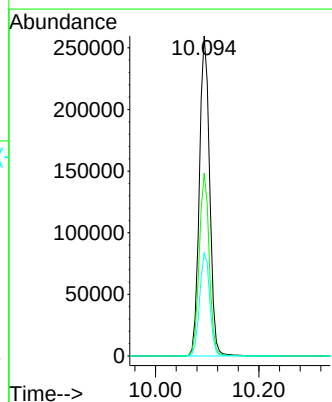
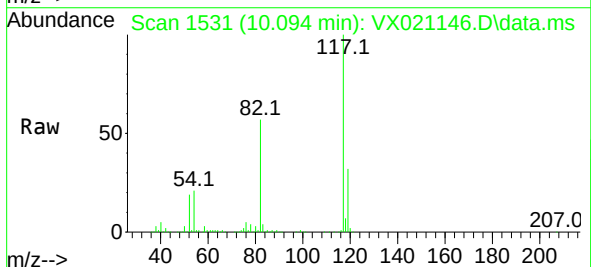
Instrument :  
MSVOA\_X  
ClientSampled :

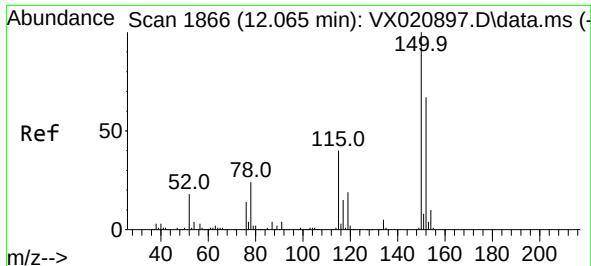
Tgt Ion: 95 Resp: 170866  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 154.6  
176 75.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Tgt Ion: 117 Resp: 357260  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.4 71.2  
119 32.1 26.6 39.8

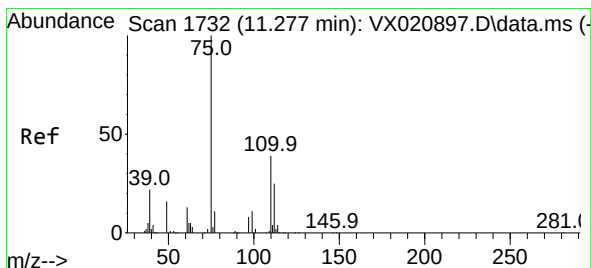
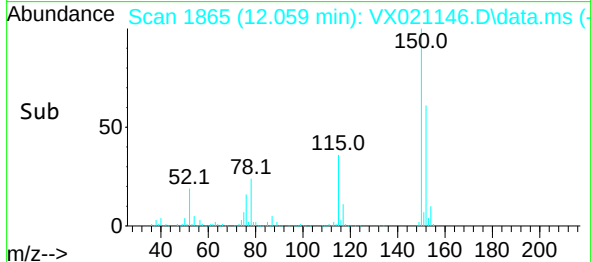
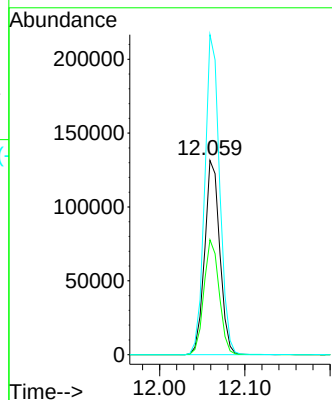
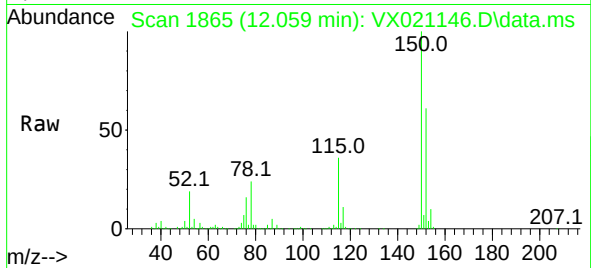




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.059 min Scan# 1865  
 Delta R.T. -0.006 min  
 Lab File: VX021146.D  
 Acq: 11 Mar 2021 10:53

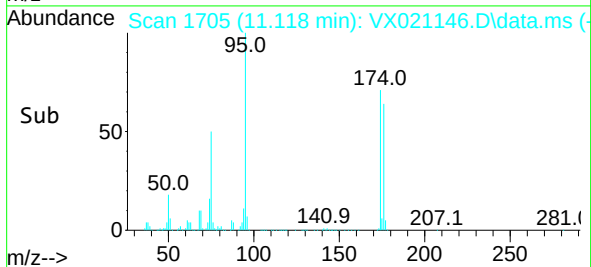
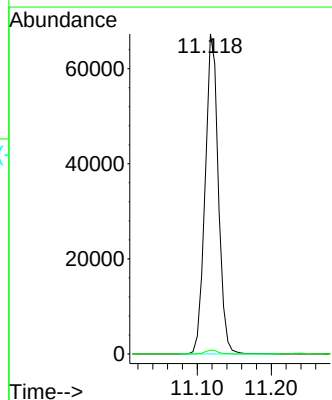
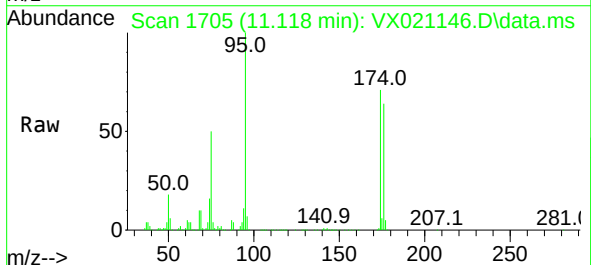
Instrument :  
 MSVOA\_X  
 ClientSampled :

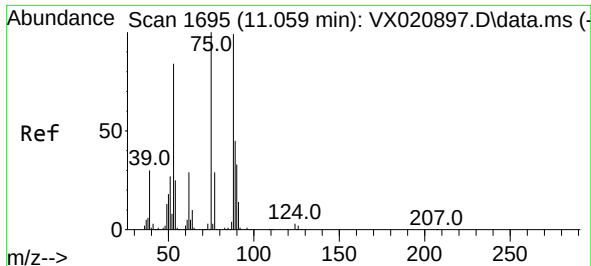
Tgt Ion:152 Resp: 161920  
 Ion Ratio Lower Upper  
 152 100  
 115 59.5 41.1 123.3  
 150 162.2 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 23.82 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021146.D  
 Acq: 11 Mar 2021 10:53

Tgt Ion: 75 Resp: 82974  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#

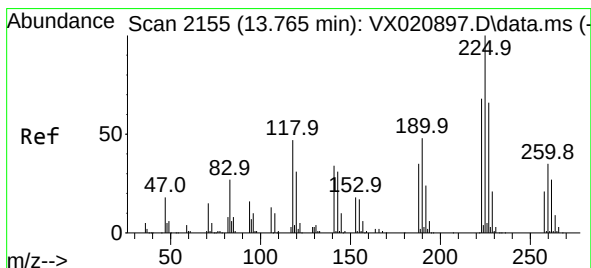
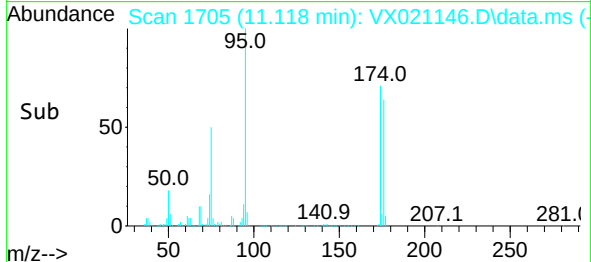
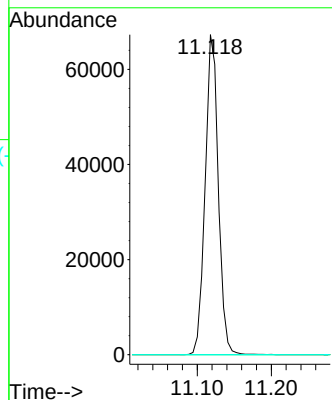
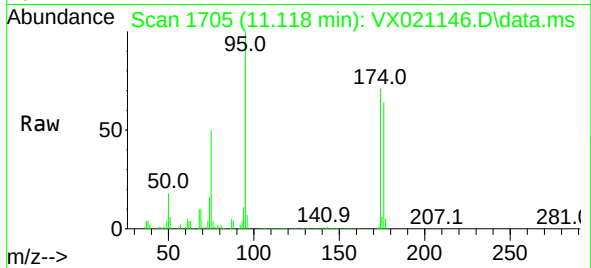




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.74 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 82974  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#94  
Hexachlorobutadiene  
Concen: 0.25 ug/l  
RT: 13.765 min Scan# 2155  
Delta R.T. -0.000 min  
Lab File: VX021146.D  
Acq: 11 Mar 2021 10:53

Tgt Ion: 225 Resp: 340  
Ion Ratio Lower Upper  
225 100  
223 73.8 31.1 93.2  
227 79.1 31.6 95.0

