

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
 Data File : VX021844.D  
 Acq On : 23 Apr 2021 16:00  
 Operator : JC/MD  
 Sample : M2138-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 26 04:04:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 20 13:46:22 2021  
 Response via : Initial Calibration

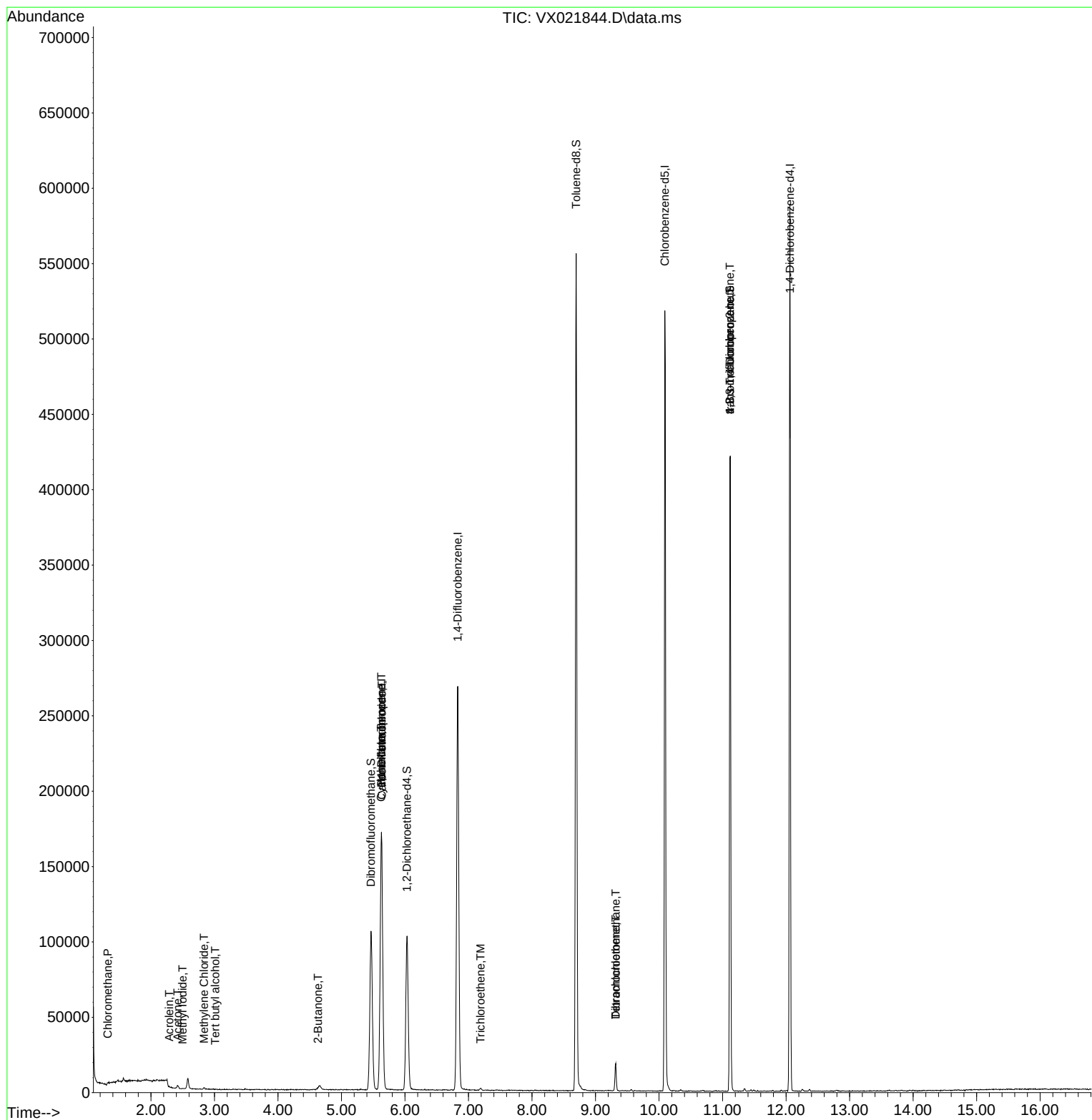
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 172868   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114   | 292416   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.092 | 117   | 262583   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061 | 152   | 128146   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65    | 96822    | 49.37    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 98.74%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 91870    | 49.13    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.26%   |
| 50) Toluene-d8                | 8.696  | 98    | 344428   | 47.90    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 95.80%   |
| 62) 4-Bromofluorobenzene      | 11.116 | 95    | 123628   | 46.04    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 92.08%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.319  | 50    | 986      | 0.75     | ug/l   | 94       |
| 10) Methyl Iodide             | 2.495  | 142   | 126      | 8.23     | ug/l # | 42       |
| 11) Tert butyl alcohol        | 3.014  | 59    | 163      | 0.38     | ug/l # | 87       |
| 13) Acrolein                  | 2.288  | 56    | 113      | 0.33     | ug/l # | 14       |
| 16) Acetone                   | 2.416  | 43    | 2296     | 3.41     | ug/l # | 80       |
| 20) Methylene Chloride        | 2.837  | 84    | 553      | 0.27     | ug/l # | 82       |
| 25) 2-Butanone                | 4.629  | 43    | 321      | 0.28     | ug/l # | 45       |
| 31) Cyclohexane               | 5.623  | 56    | 2836     | 1.03     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 11365    | 4.40     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.635  | 117   | 16009    | 5.66     | ug/l # | 16       |
| 44) Trichloroethene           | 7.190  | 130   | 492      | 0.22     | ug/l   | 79       |
| 60) Dibromochloromethane      | 9.317  | 129   | 3464     | 1.39     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.317  | 164   | 3507     | 1.71     | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 11.116 | 75    | 56296    | 22.15    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.116 | 75    | 56296    | 50.94    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

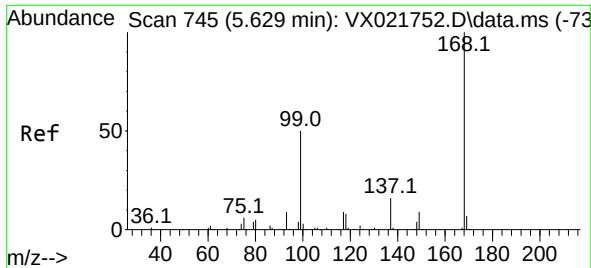
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
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Sample : M2138-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 26 04:04:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 20 13:46:22 2021  
Response via : Initial Calibration

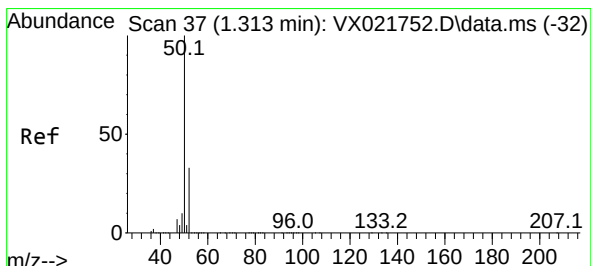
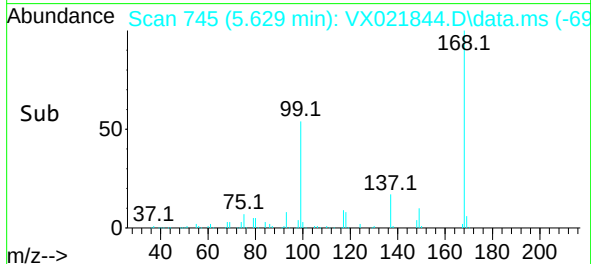
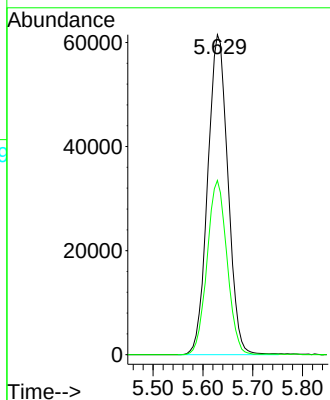
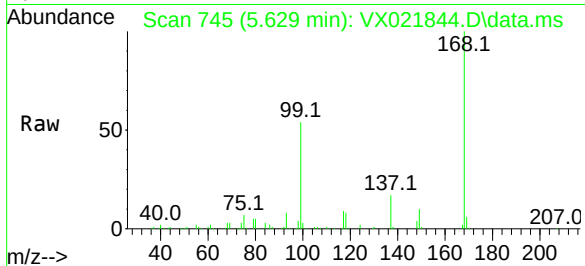




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

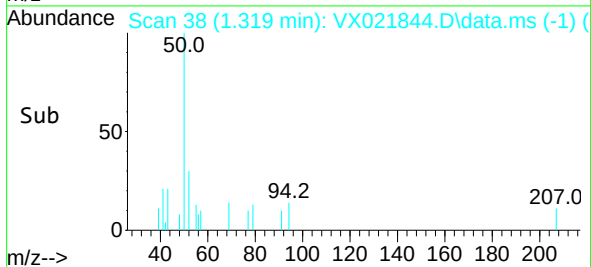
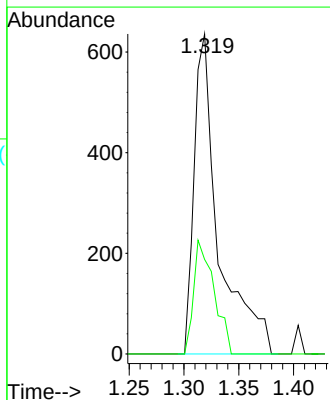
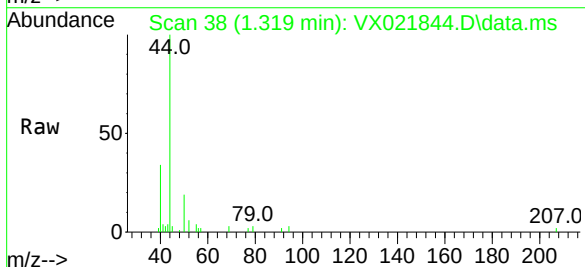
Instrument :  
MSVOA\_X  
ClientSampled :

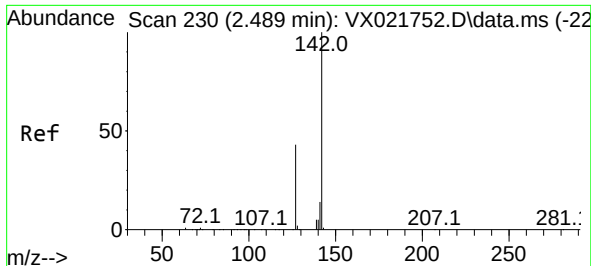
Tgt Ion:168 Resp: 172868  
Ion Ratio Lower Upper  
168 100  
99 54.4 45.8 68.6



#3  
Chloromethane  
Concen: 0.75 ug/l  
RT: 1.319 min Scan# 38  
Delta R.T. 0.006 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

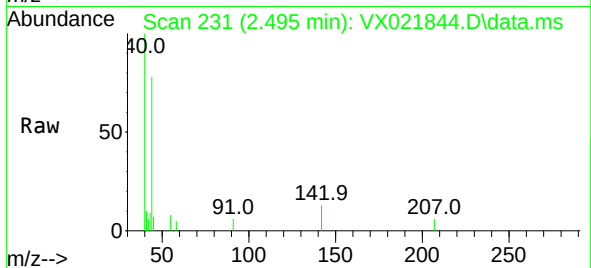
Tgt Ion: 50 Resp: 986  
Ion Ratio Lower Upper  
50 100  
52 29.6 26.4 39.6



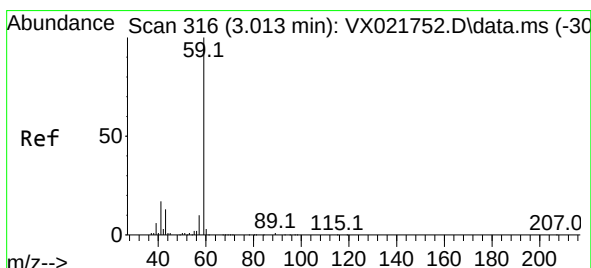
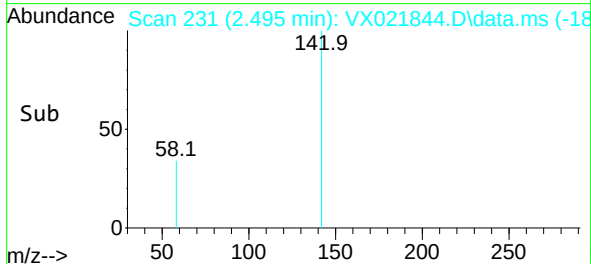
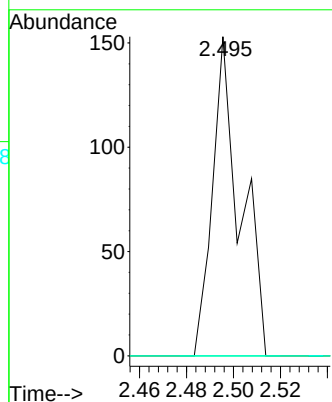


#10  
Methyl Iodide  
Concen: 8.23 ug/l  
RT: 2.495 min Scan# 231  
Delta R.T. 0.006 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

Instrument :  
MSVOA\_X  
ClientSampled :

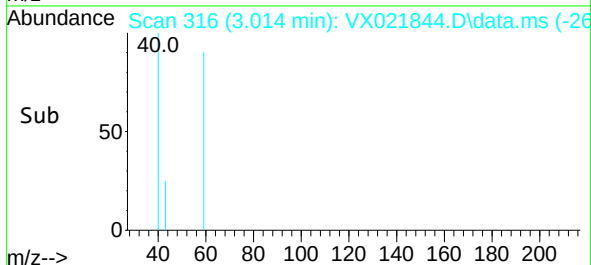
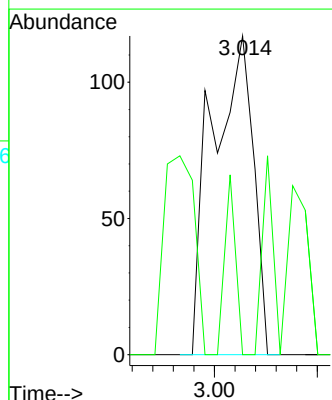
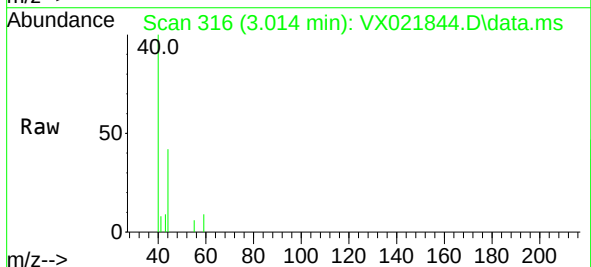


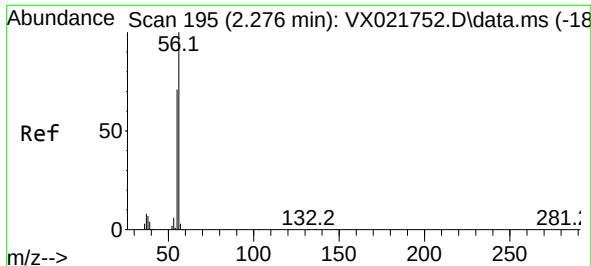
Tgt Ion:142 Resp: 126  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.38 ug/l  
RT: 3.014 min Scan# 316  
Delta R.T. 0.001 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

Tgt Ion: 59 Resp: 163  
Ion Ratio Lower Upper  
59 100  
57 14.7 7.8 11.8#

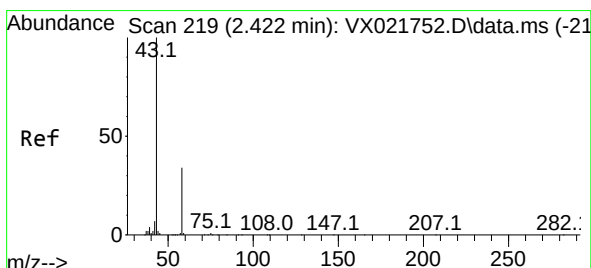
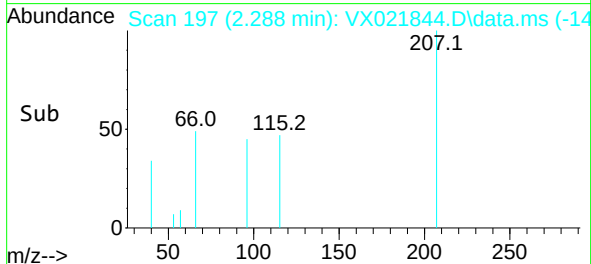
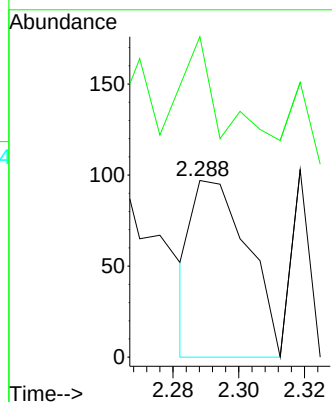
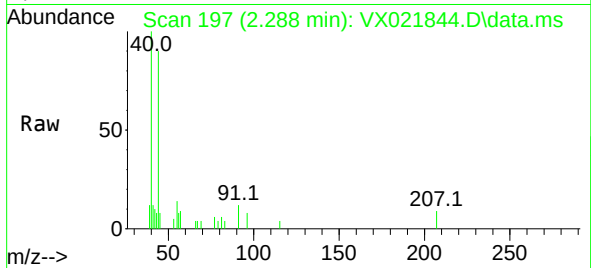




#13  
Acrolein  
Concen: 0.33 ug/l  
RT: 2.288 min Scan# 197  
Delta R.T. 0.012 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

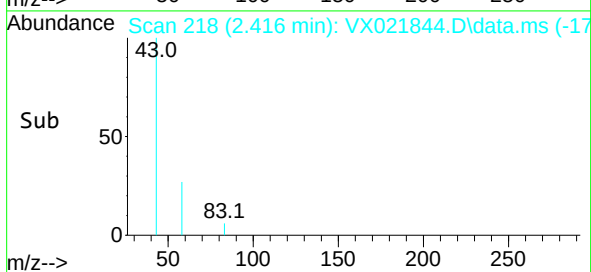
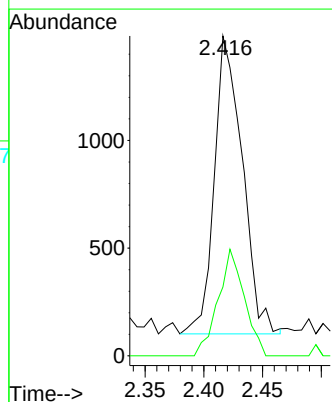
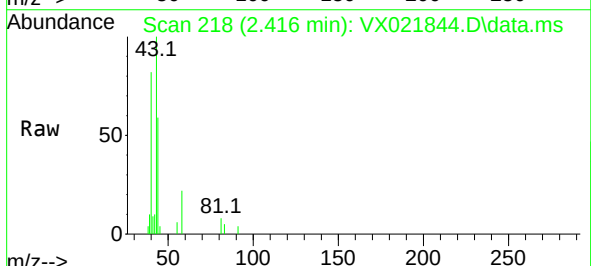
Instrument :  
MSVOA\_X  
ClientSampled :

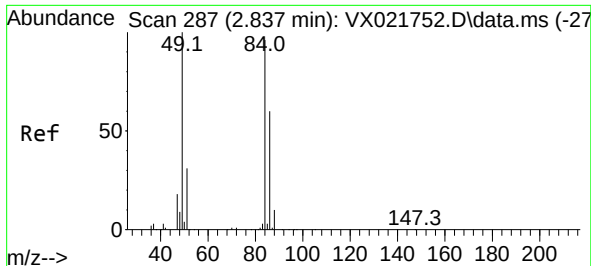
Tgt Ion: 56 Resp: 113  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 3.41 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.006 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

Tgt Ion: 43 Resp: 2296  
Ion Ratio Lower Upper  
43 100  
58 23.1 27.8 41.8#

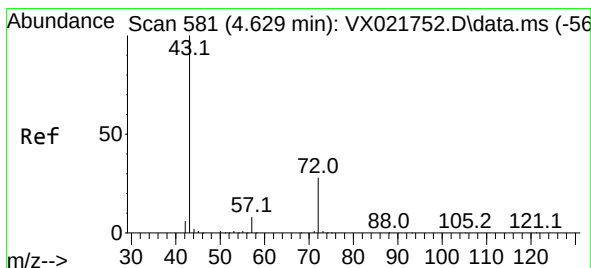
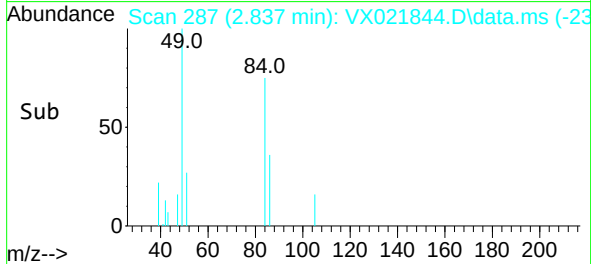
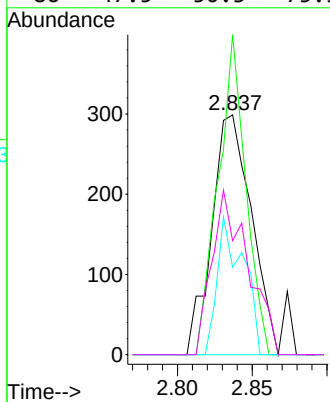
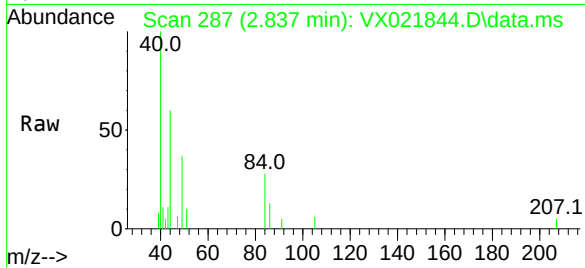




#20  
Methylene Chloride  
Concen: 0.27 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. -0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

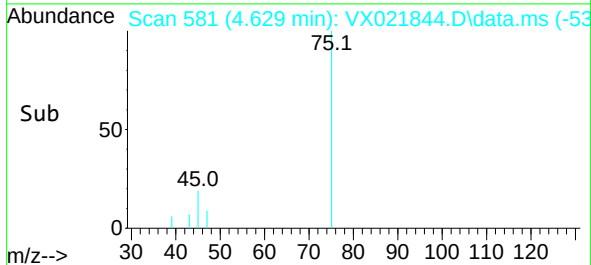
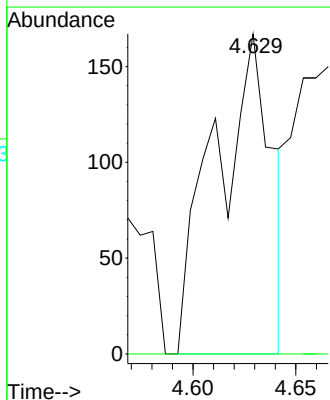
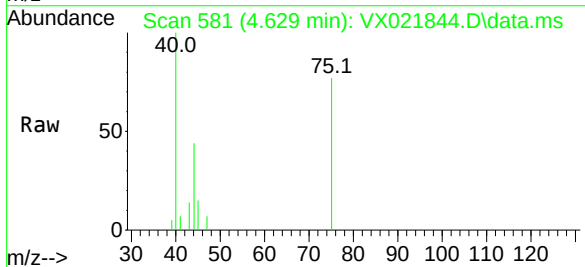
Instrument :  
MSVOA\_X  
ClientSampleId :

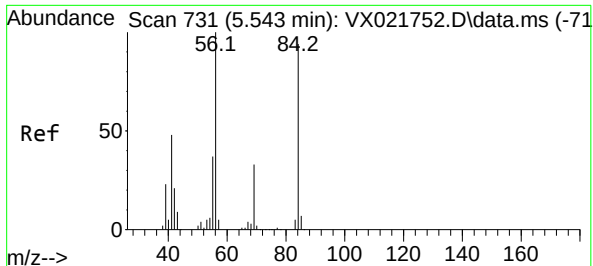
Tgt Ion: 84 Resp: 553  
Ion Ratio Lower Upper  
84 100  
49 133.4 88.6 132.8#  
51 36.5 27.0 40.6  
86 47.5 50.3 75.5#



#25  
2-Butanone  
Concen: 0.28 ug/l  
RT: 4.629 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

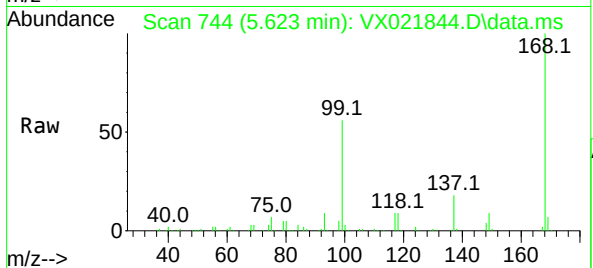
Tgt Ion: 43 Resp: 321  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



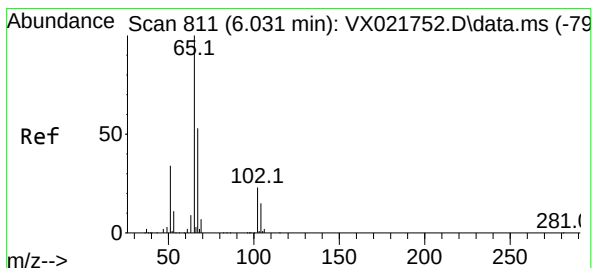
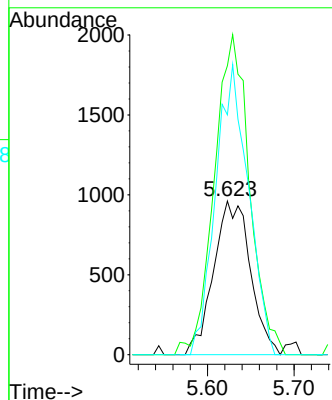
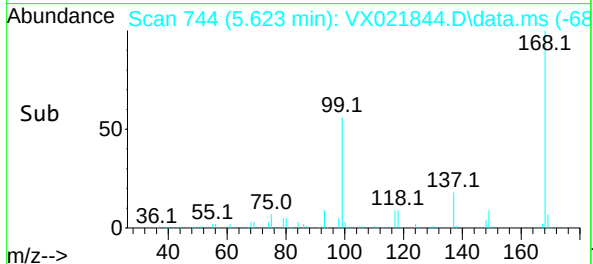


#31  
Cyclohexane  
Concen: 1.03 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.080 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

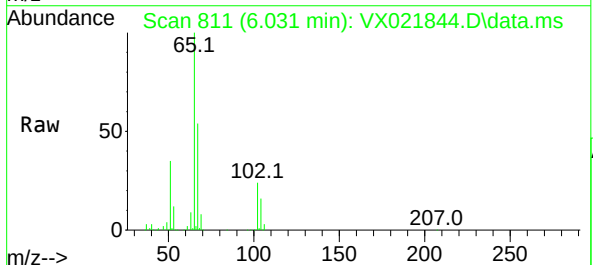
Instrument :  
MSVOA\_X  
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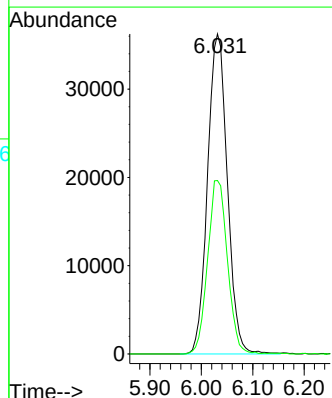
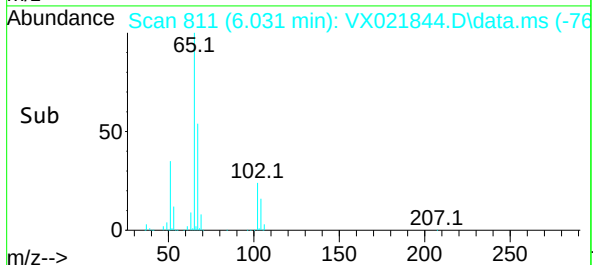
Tgt Ion: 56 Resp: 2836  
Ion Ratio Lower Upper  
56 100  
69 180.5 25.3 37.9#  
84 156.2 71.4 107.0#

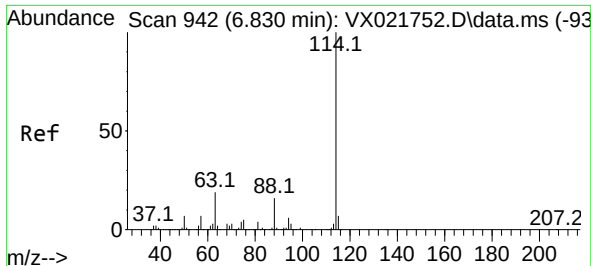


#33  
1,2-Dichloroethane-d4  
Concen: 49.37 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00



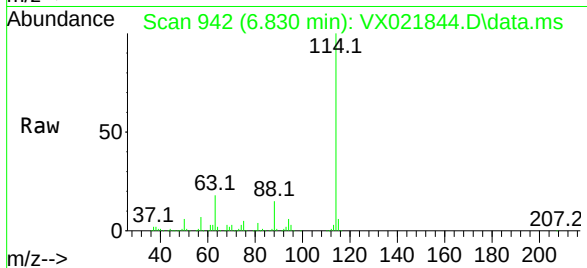
Tgt Ion: 65 Resp: 96822  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 105.4



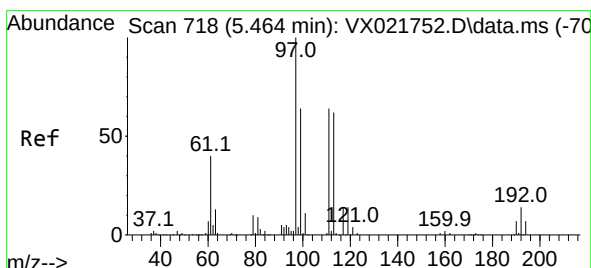
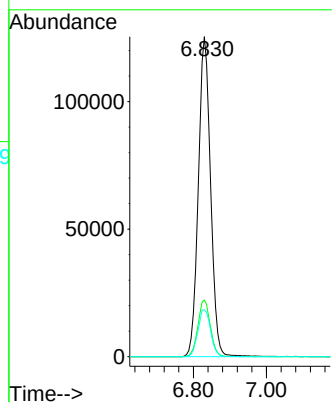
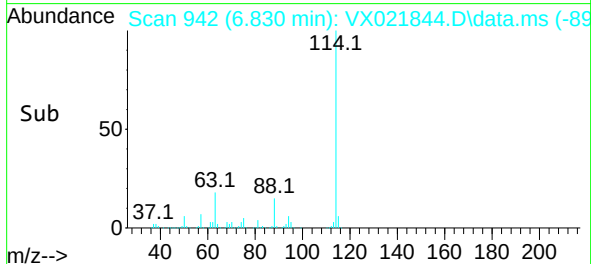


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

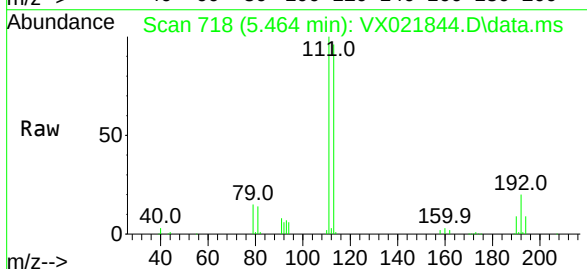
Instrument :  
MSVOA\_X  
ClientSampled :



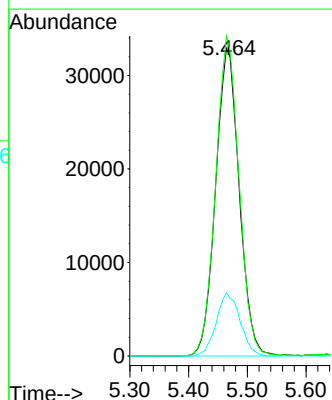
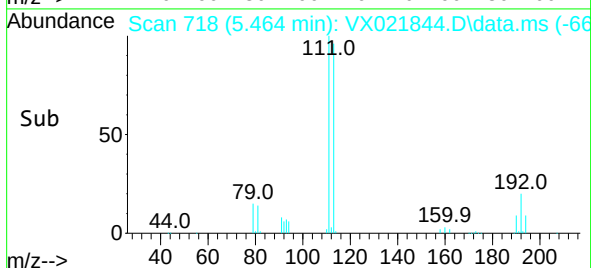
Tgt Ion:114 Resp: 292416  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 40.8  
88 14.6 0.0 32.8



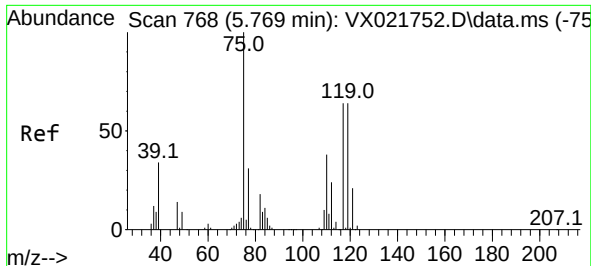
#35  
Dibromofluoromethane  
Concen: 49.13 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00



Tgt Ion:113 Resp: 91870  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 20.7 16.7 25.1

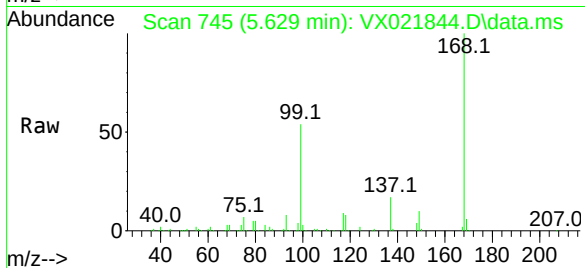




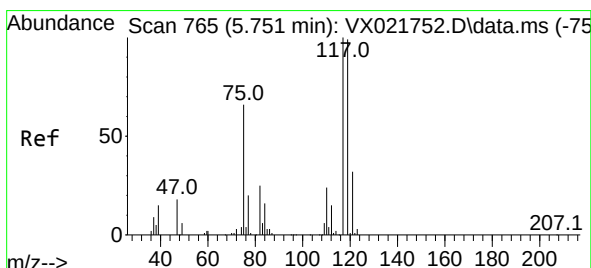
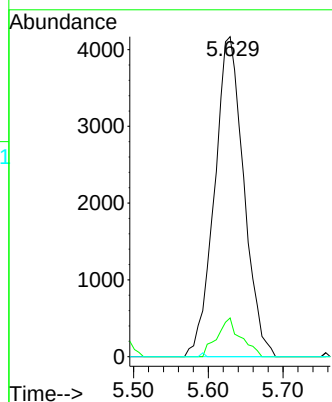
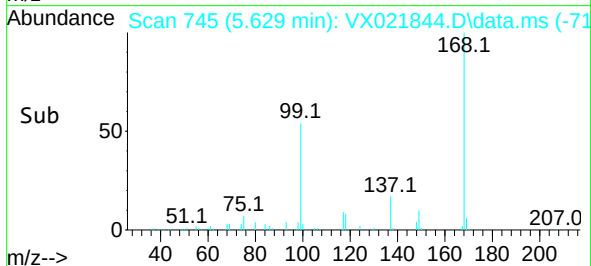


#36  
1,1-Dichloropropene  
Concen: 4.40 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.140 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

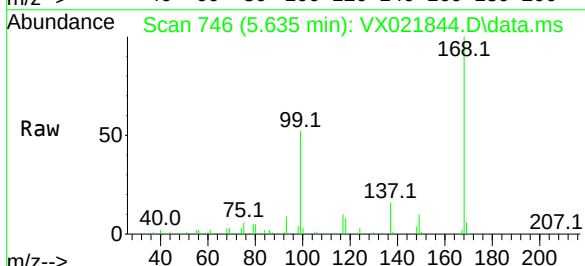
Instrument :  
MSVOA\_X  
ClientSampleId :



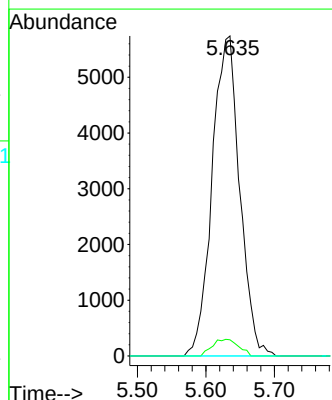
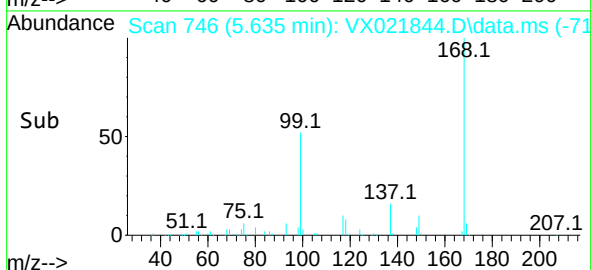
Tgt Ion: 75 Resp: 11365  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.4#  
77 0.0 25.3 37.9#

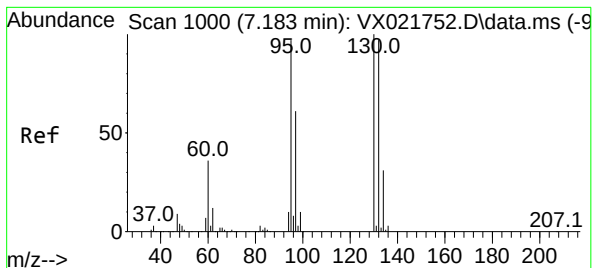


#38  
Carbon Tetrachloride  
Concen: 5.66 ug/l  
RT: 5.635 min Scan# 746  
Delta R.T. -0.116 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00



Tgt Ion: 117 Resp: 16009  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.8 37.2#





#44

Trichloroethene

Concen: 0.22 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. 0.007 min

Lab File: VX021844.D

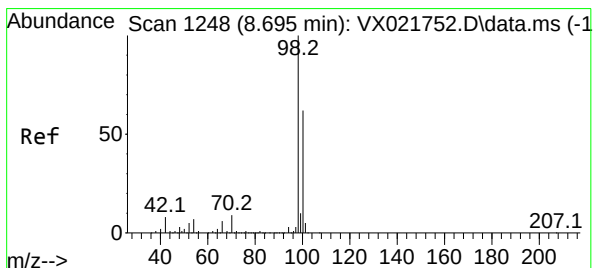
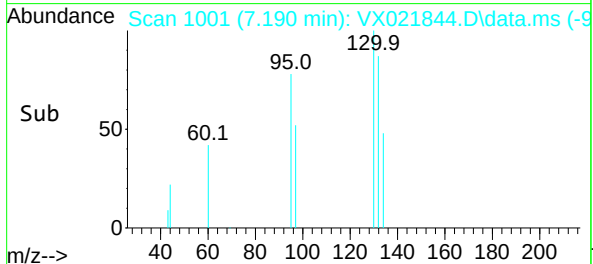
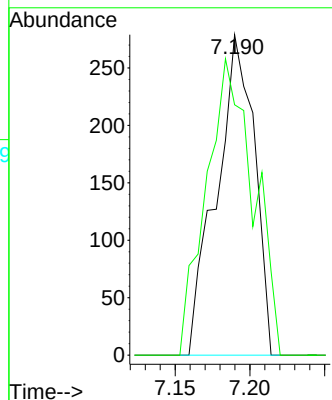
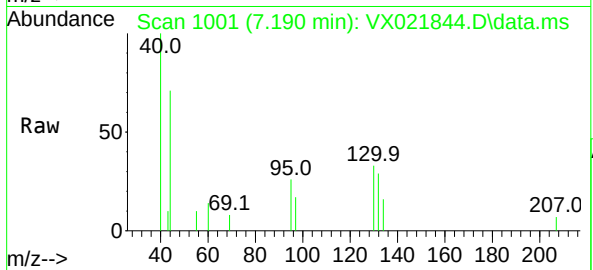
Acq: 23 Apr 2021 16:00

Tgt Ion:130 Resp: 492

Ion Ratio Lower Upper

130 100

95 78.1 0.0 198.0



#50

Toluene-d8

Concen: 47.90 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.001 min

Lab File: VX021844.D

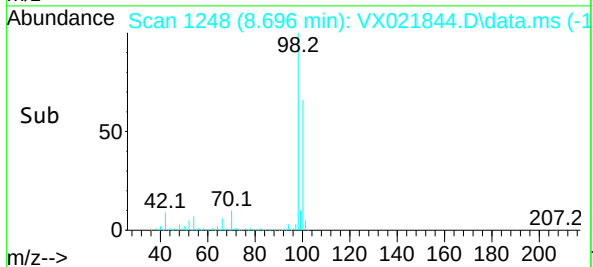
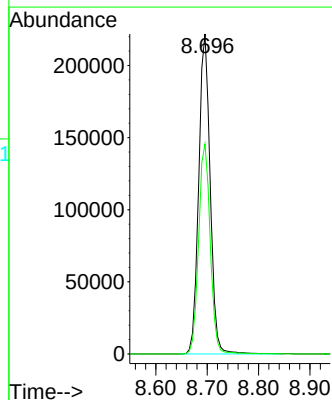
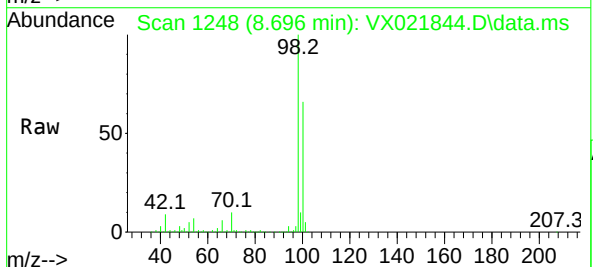
Acq: 23 Apr 2021 16:00

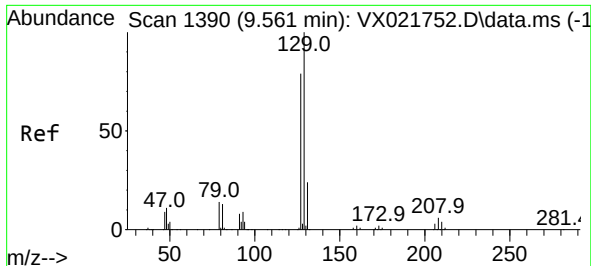
Tgt Ion: 98 Resp: 344428

Ion Ratio Lower Upper

98 100

100 66.5 51.9 77.9

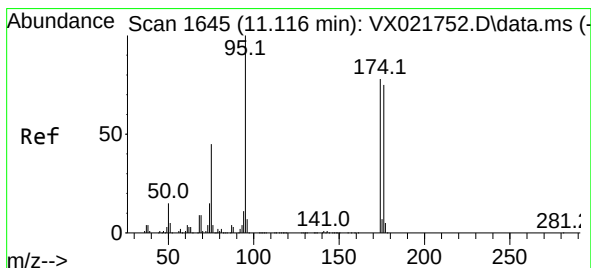
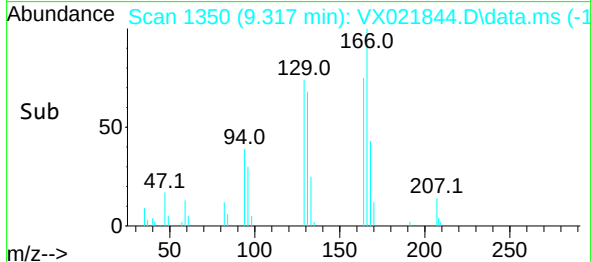
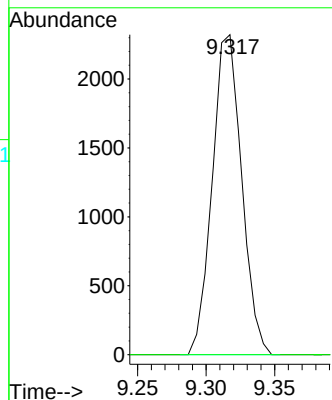
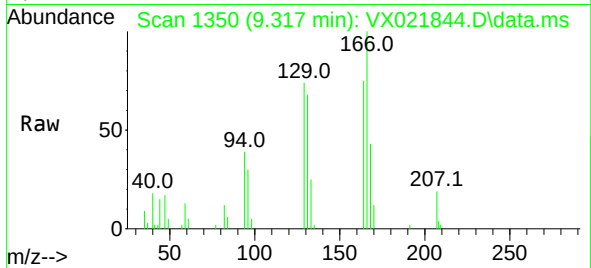




#60  
Dibromochloromethane  
Concen: 1.39 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. -0.244 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

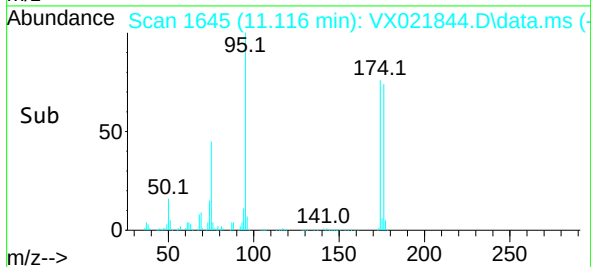
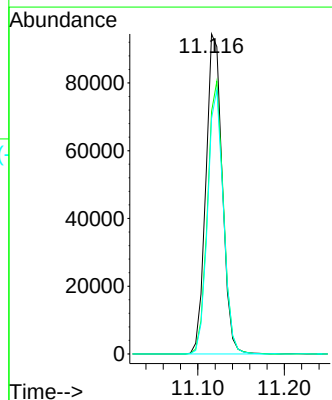
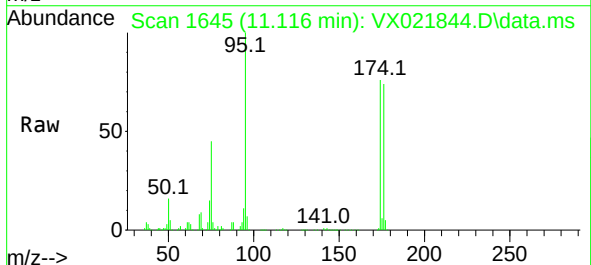
Instrument :  
MSVOA\_X  
ClientSampled :

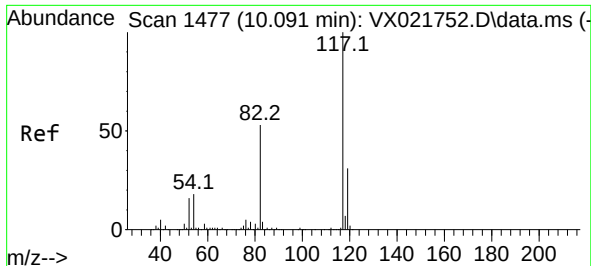
Tgt Ion:129 Resp: 3464  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 46.04 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

Tgt Ion: 95 Resp: 123628  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 154.6  
176 79.8 0.0 155.8

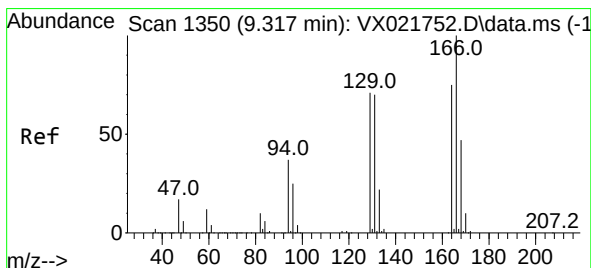
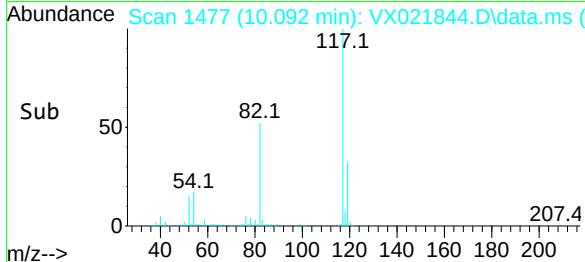
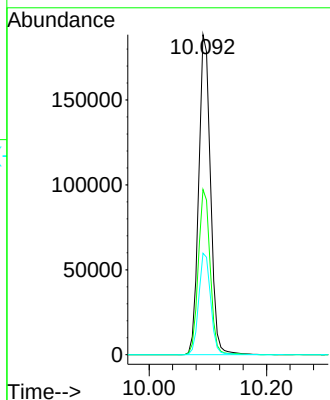
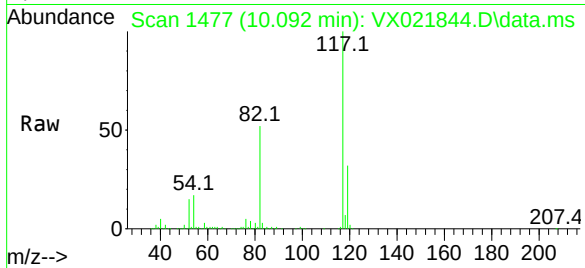




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. 0.001 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

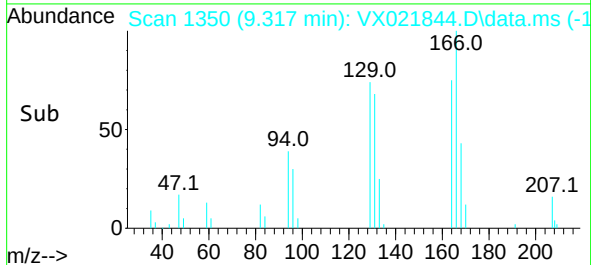
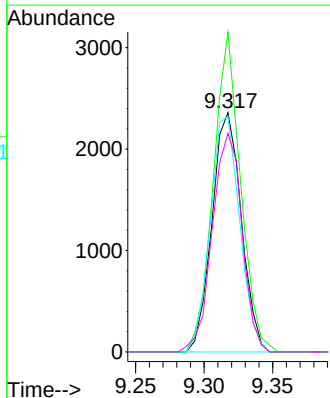
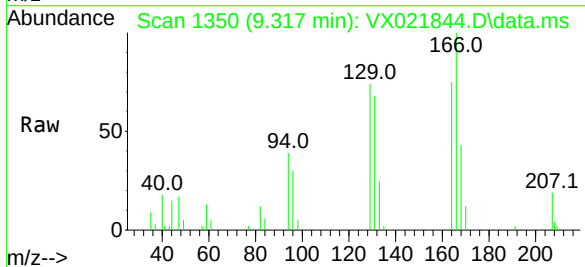
Instrument :  
MSVOA\_X  
ClientSampled :

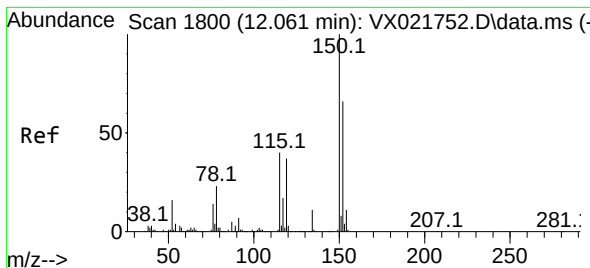
Tgt Ion:117 Resp: 262583  
Ion Ratio Lower Upper  
117 100  
82 51.6 47.4 71.2  
119 31.7 26.6 39.8



#64  
Tetrachloroethene  
Concen: 1.71 ug/l  
RT: 9.317 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VX021844.D  
Acq: 23 Apr 2021 16:00

Tgt Ion:164 Resp: 3507  
Ion Ratio Lower Upper  
164 100  
166 133.7 103.4 155.2  
129 98.4 70.8 106.2  
131 91.3 72.5 108.7

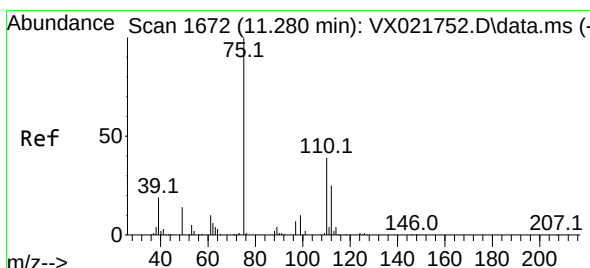
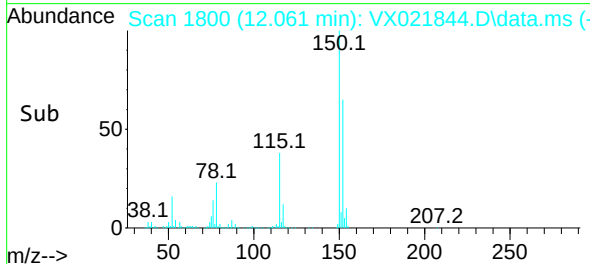
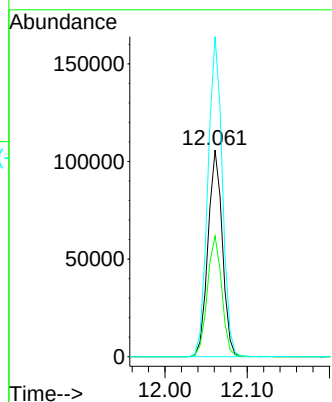
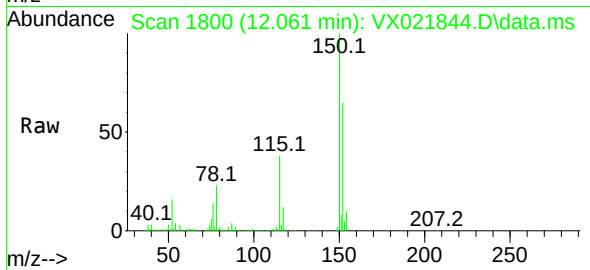




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX021844.D  
 Acq: 23 Apr 2021 16:00

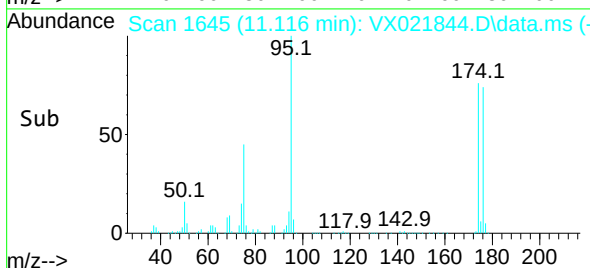
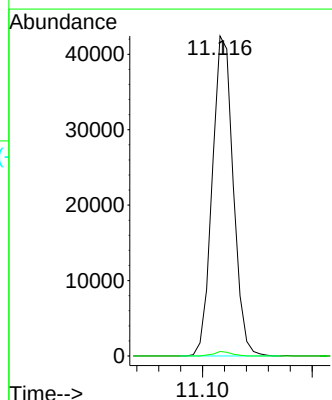
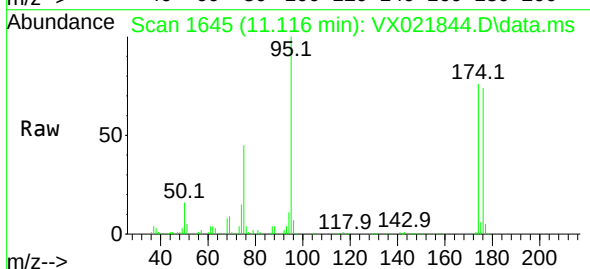
Instrument :  
 MSVOA\_X  
 ClientSampled :

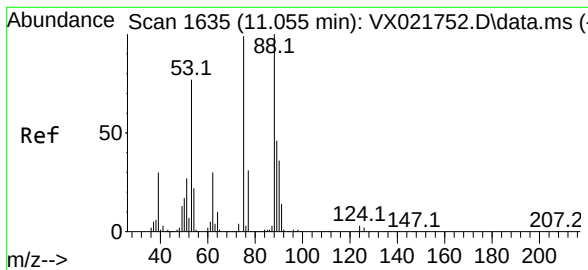
Tgt Ion:152 Resp: 128146  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 41.1 123.3  
 150 155.8 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 22.15 ug/l  
 RT: 11.116 min Scan# 1645  
 Delta R.T. -0.164 min  
 Lab File: VX021844.D  
 Acq: 23 Apr 2021 16:00

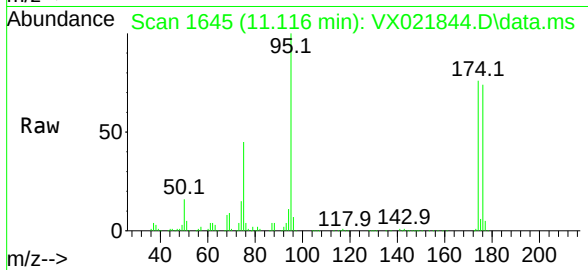
Tgt Ion: 75 Resp: 56296  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 50.94 ug/l  
 RT: 11.116 min Scan# 1645  
 Delta R.T. 0.061 min  
 Lab File: VX021844.D  
 Acq: 23 Apr 2021 16:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 74.5  | 111.7# |
| 89      | 0.0   | 37.9  | 56.9#  |

