

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032921\  
 Data File : VX021594.D  
 Acq On : 29 Mar 2021 22:43  
 Operator : JC/MD  
 Sample : VX0329WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 30 03:34:54 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

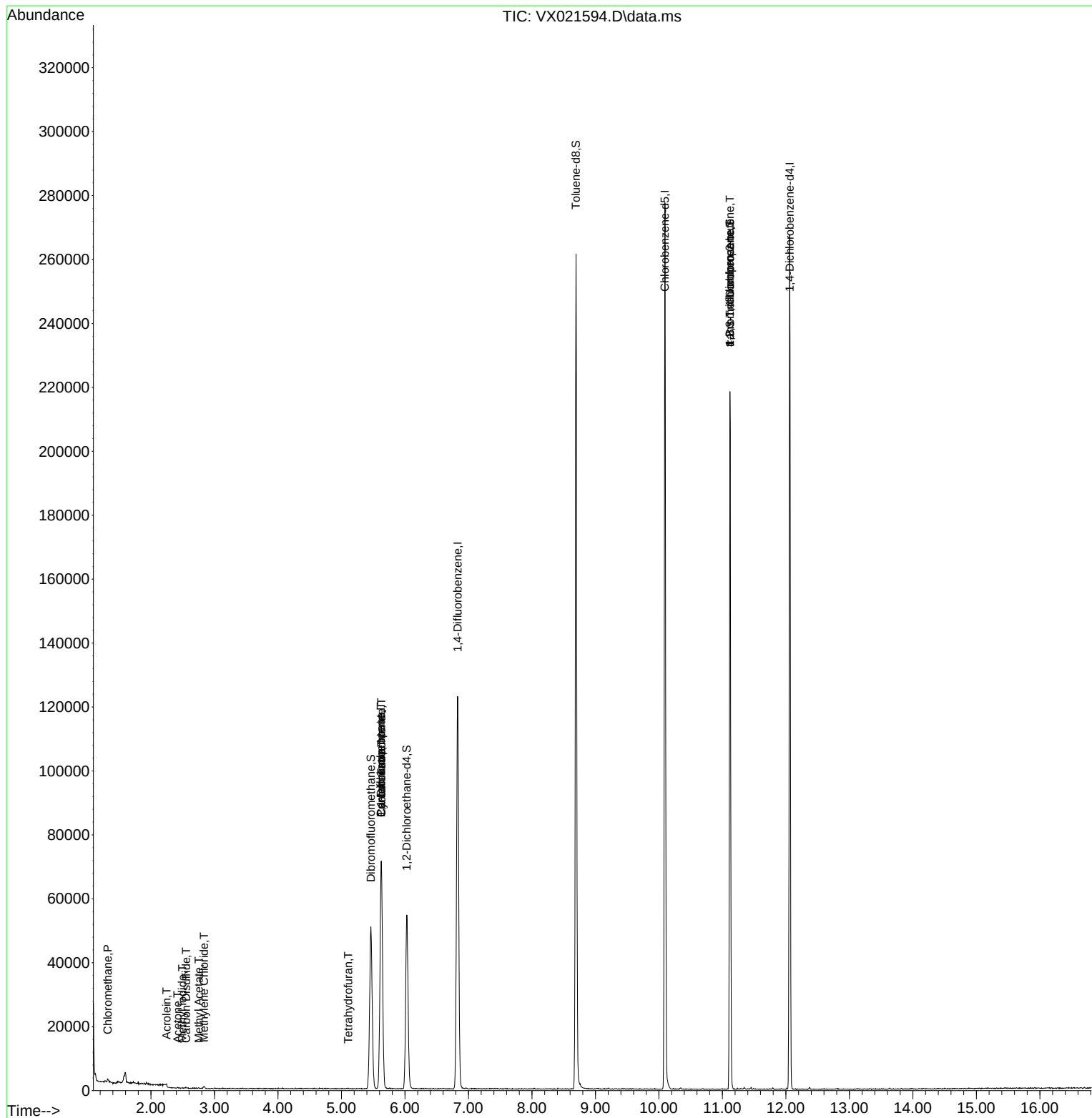
| Compound                      | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-----------|----------|
| -----                         |        |       |          |          |           |          |
| Internal Standards            |        |       |          |          |           |          |
| 1) Pentafluorobenzene         | 5.623  | 168   | 61800    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 115140   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 117445   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 51163    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 53633    | 52.16    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 104.32% |          |
| 35) Dibromofluoromethane      | 5.464  | 113   | 41042    | 50.18    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.36% |          |
| 50) Toluene-d8                | 8.694  | 98    | 144844   | 49.70    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 99.40%  |          |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 57106    | 50.40    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.80% |          |
| Target Compounds              |        |       |          |          |           |          |
|                               |        |       |          |          | Qvalue    |          |
| 3) Chloromethane              | 1.316  | 50    | 1531     | 2.00     | ug/l      | 90       |
| 10) Methyl Iodide             | 2.493  | 142   | 95       | 6.81     | ug/l #    | 42       |
| 13) Acrolein                  | 2.246  | 56    | 20       | 4.53     | ug/l #    | 46       |
| 16) Acetone                   | 2.417  | 43    | 431      | 1.11     | ug/l #    | 40       |
| 17) Carbon Disulfide          | 2.552  | 76    | 511      | 0.29     | ug/l #    | 75       |
| 18) Methyl Acetate            | 2.752  | 43    | 296      | 0.26     | ug/l #    | 47       |
| 20) Methylene Chloride        | 2.834  | 84    | 305      | 0.40     | ug/l #    | 79       |
| 29) Tetrahydrofuran           | 5.105  | 42    | 77       | 0.20     | ug/l #    | 27       |
| 31) Cyclohexane               | 5.629  | 56    | 1749     | 1.55     | ug/l #    | 18       |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 5802     | 5.14     | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 6805     | 5.61     | ug/l #    | 19       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 32484    | 27.27    | ug/l #    | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 32484    | 83.07    | ug/l #    | 12       |
| -----                         |        |       |          |          |           |          |

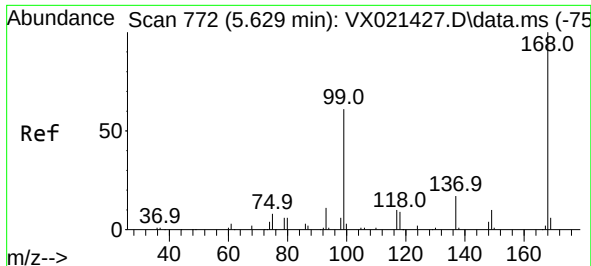
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032921\  
Data File : VX021594.D  
Acq On : 29 Mar 2021 22:43  
Operator : JC/MD  
Sample : VX0329WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :

Quant Time: Mar 30 03:34:54 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

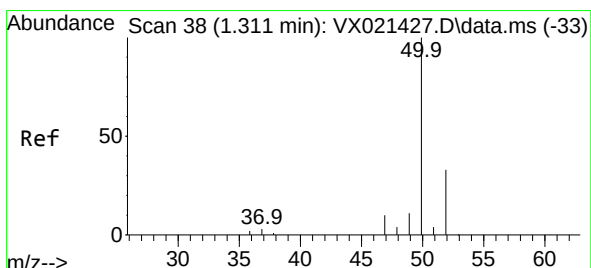
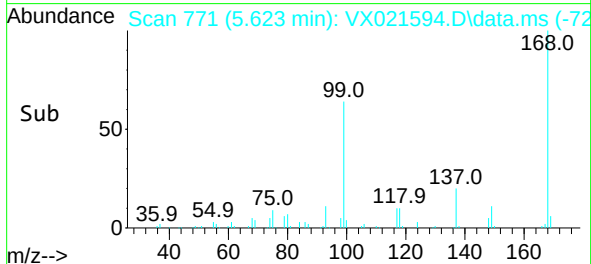
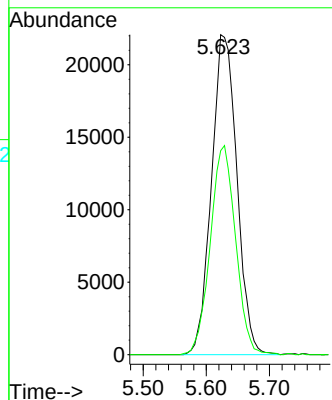
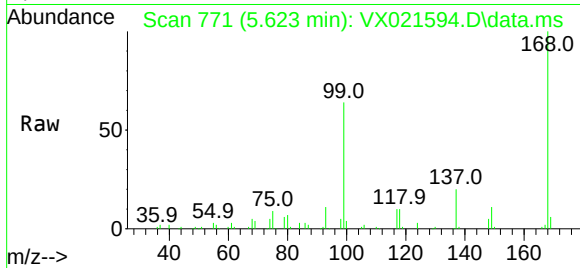




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

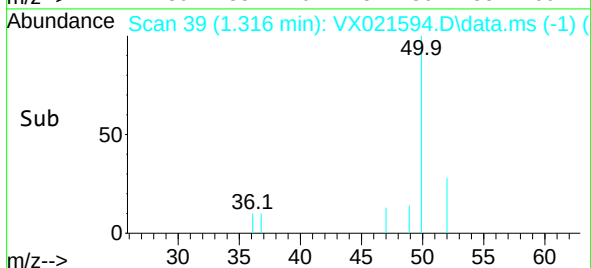
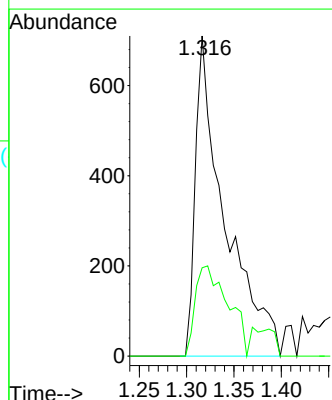
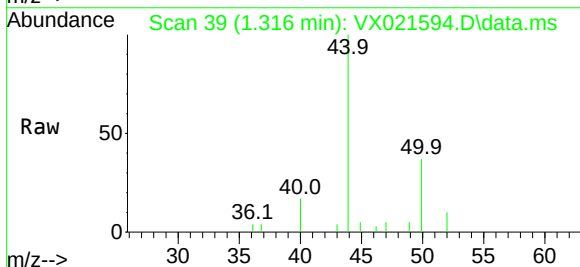
Instrument :  
MSVOA\_X  
ClientSampled :

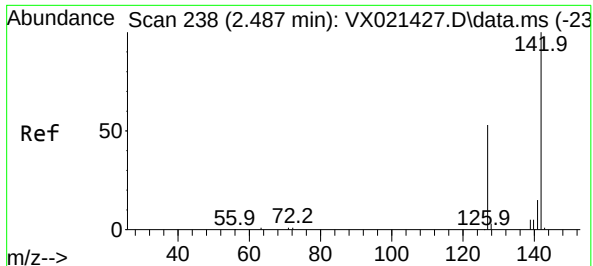
Tgt Ion:168 Resp: 61800  
Ion Ratio Lower Upper  
168 100  
99 63.7 45.8 68.6



#3  
Chloromethane  
Concen: 2.00 ug/l  
RT: 1.316 min Scan# 39  
Delta R.T. 0.005 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

Tgt Ion: 50 Resp: 1531  
Ion Ratio Lower Upper  
50 100  
52 27.6 26.4 39.6





#10

Methyl Iodide

Concen: 6.81 ug/l

RT: 2.493 min Scan# 239

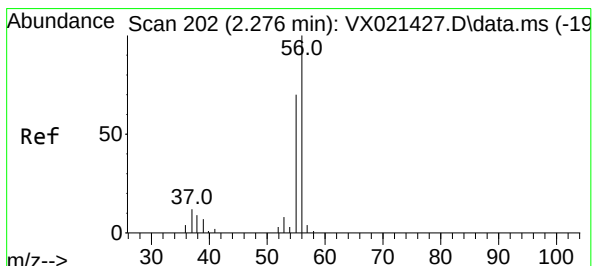
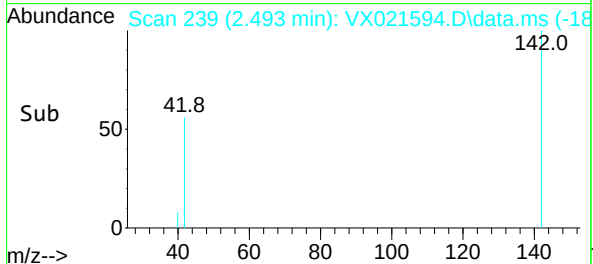
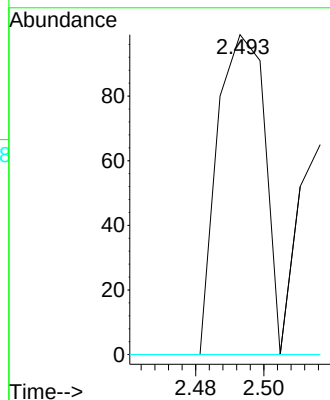
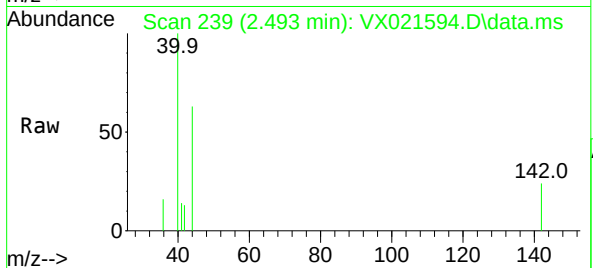
Delta R.T. 0.006 min

Lab File: VX021594.D

Acq: 29 Mar 2021 22:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 95    |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 0.0   | 33.3  | 49.9# |
| 141      | 0.0   | 11.4  | 17.0# |

Instrument :  
MSVOA\_X  
ClientSampled :



#13

Acrolein

Concen: 4.53 ug/l

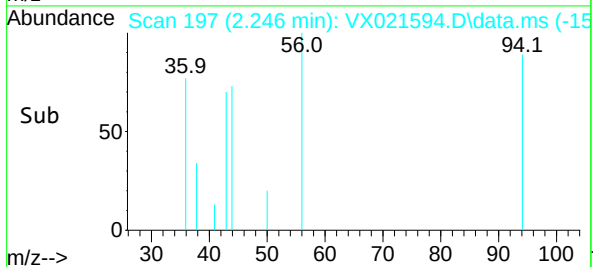
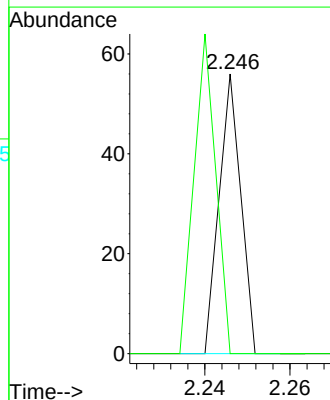
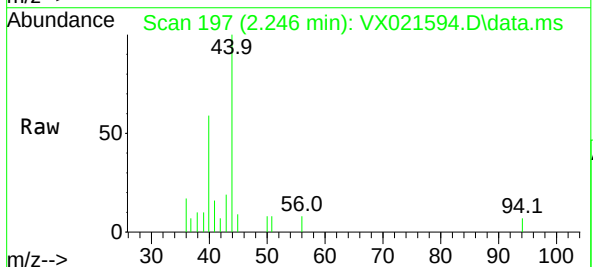
RT: 2.246 min Scan# 197

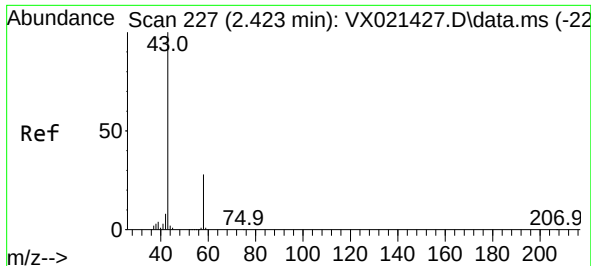
Delta R.T. -0.030 min

Lab File: VX021594.D

Acq: 29 Mar 2021 22:43

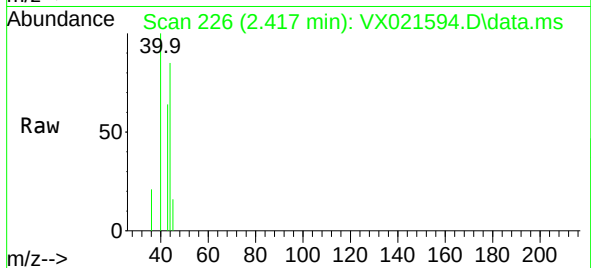
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 20    |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 55       | 115.0 | 56.4  | 84.6# |



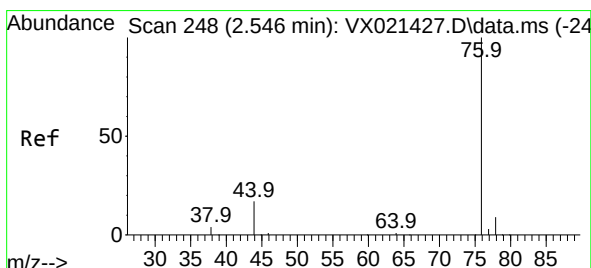
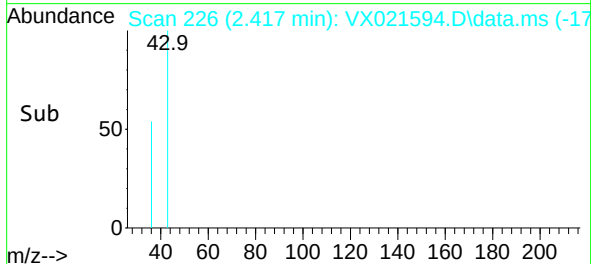
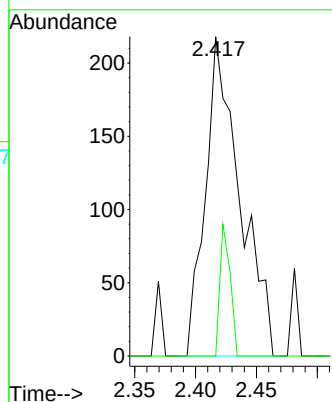


#16  
Acetone  
Concen: 1.11 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

Instrument :  
MSVOA\_X  
ClientSampled :

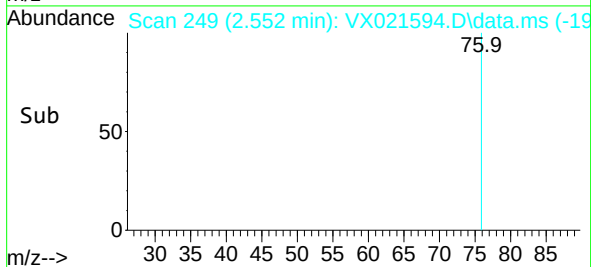
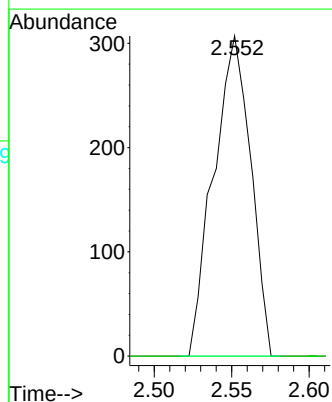
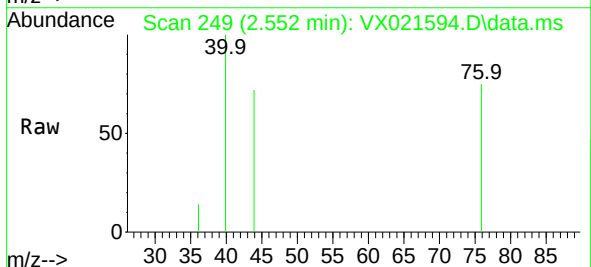


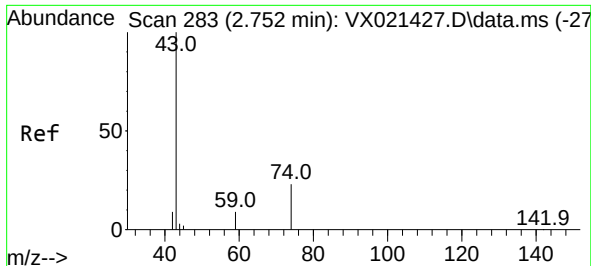
Tgt Ion: 43 Resp: 431  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.29 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.006 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

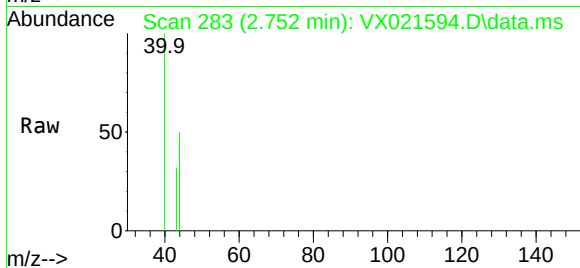
Tgt Ion: 76 Resp: 511  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



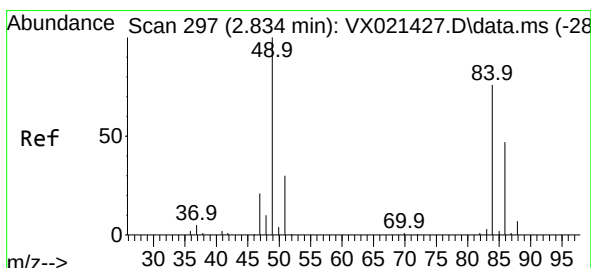
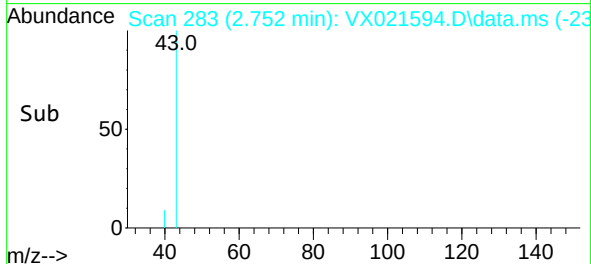
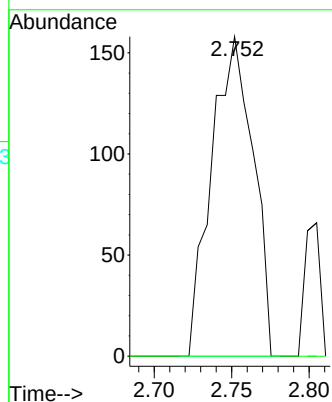


#18  
Methyl Acetate  
Concen: 0.26 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. -0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

Instrument :  
MSVOA\_X  
ClientSampled :

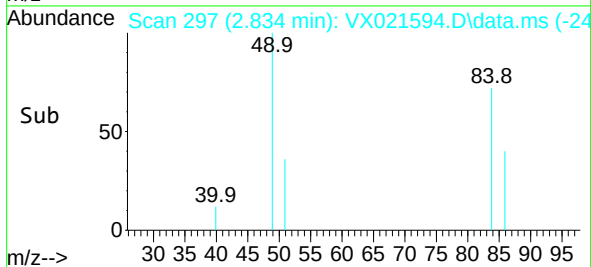
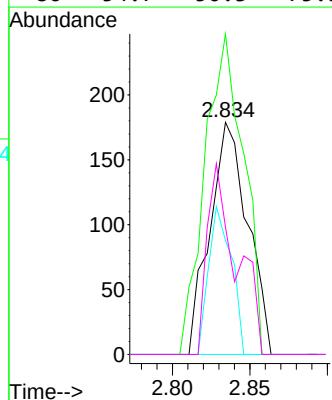
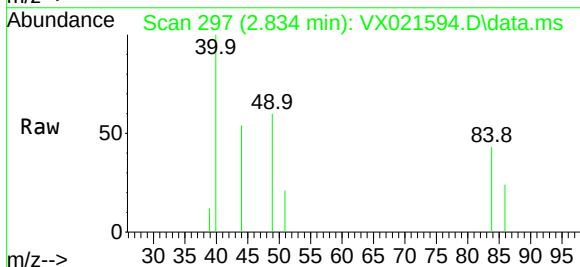


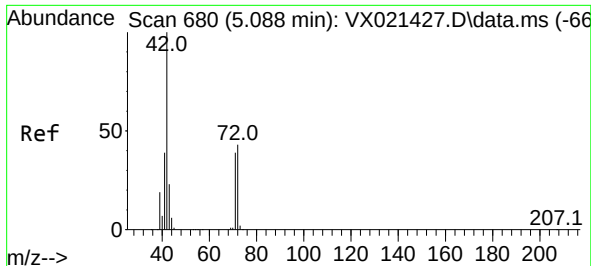
Tgt Ion: 43 Resp: 296  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.40 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. 0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

Tgt Ion: 84 Resp: 305  
Ion Ratio Lower Upper  
84 100  
49 138.0 88.6 132.8#  
51 49.2 27.0 40.6#  
86 54.7 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.20 ug/l

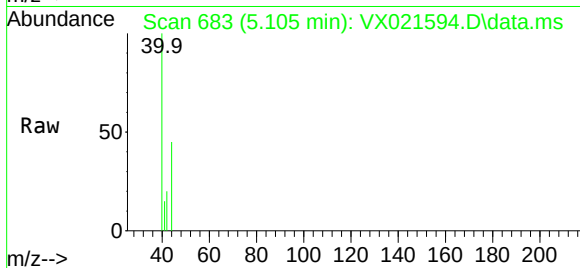
RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

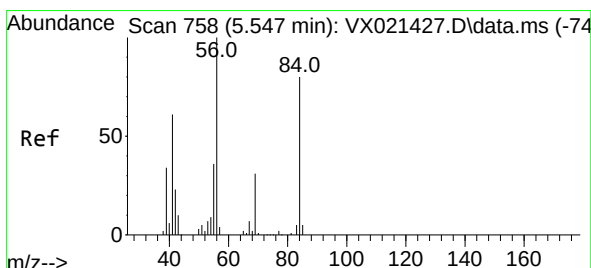
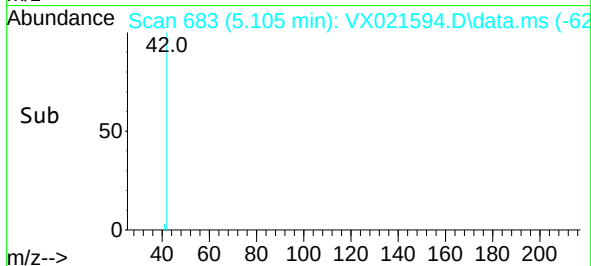
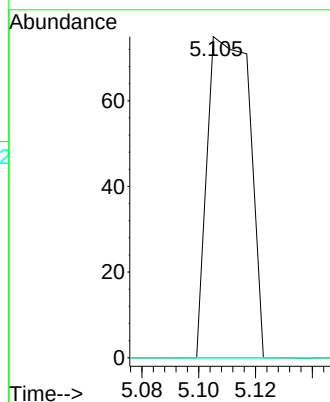
Lab File: VX021594.D

Acq: 29 Mar 2021 22:43

Instrument :  
MSVOA\_X  
ClientSampled :



|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 77       |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 0.0 41.7 62.5# |
| 71          | 0.0 38.4 57.6# |



#31

Cyclohexane

Concen: 1.55 ug/l

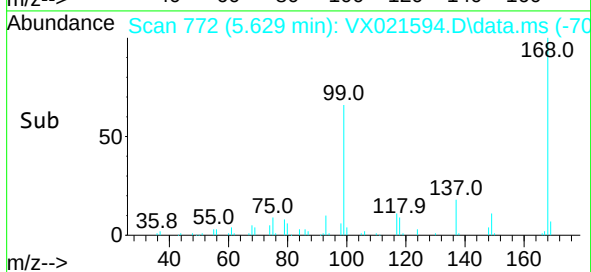
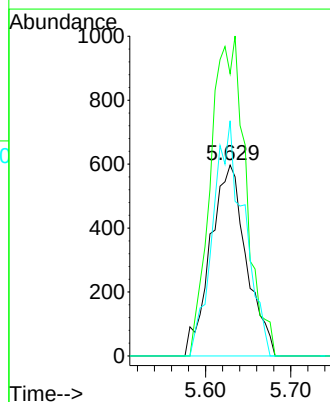
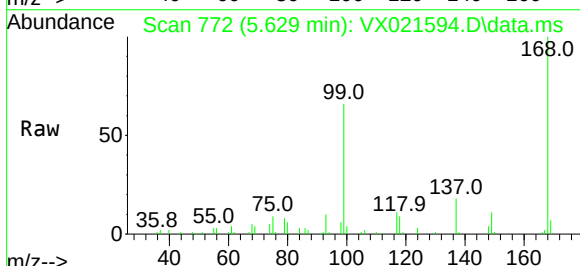
RT: 5.629 min Scan# 772

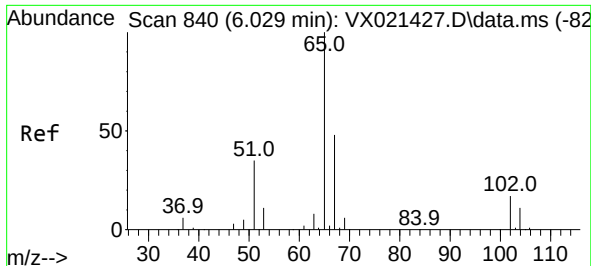
Delta R.T. 0.082 min

Lab File: VX021594.D

Acq: 29 Mar 2021 22:43

|             |                   |
|-------------|-------------------|
| Tgt Ion: 56 | Resp: 1749        |
| Ion Ratio   | Lower Upper       |
| 56          | 100               |
| 69          | 147.9 25.3 37.9#  |
| 84          | 123.3 71.4 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 52.16 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021594.D

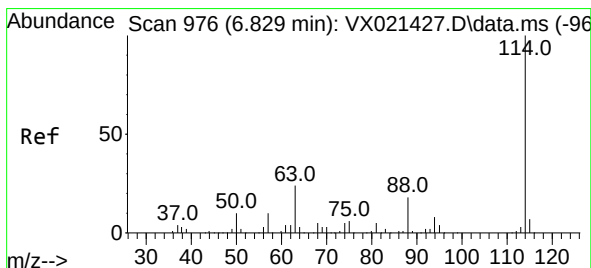
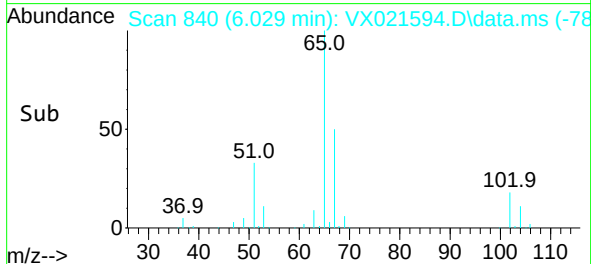
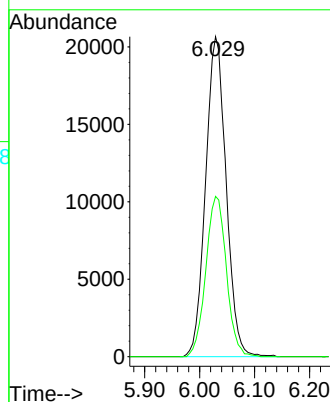
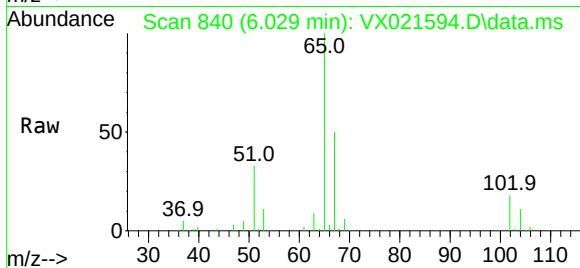
Acq: 29 Mar 2021 22:43

Tgt Ion: 65 Resp: 53633

Ion Ratio Lower Upper

65 100

67 50.3 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: VX021594.D

Acq: 29 Mar 2021 22:43

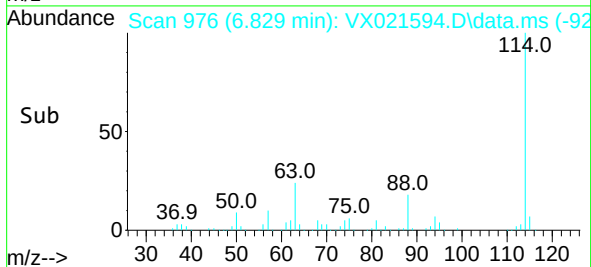
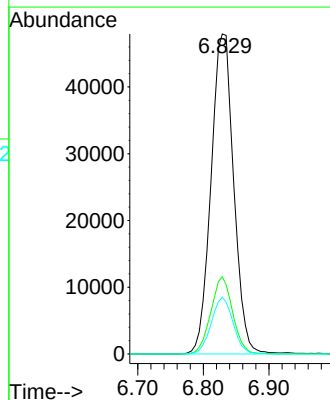
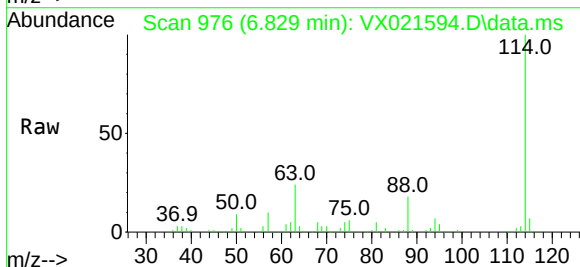
Tgt Ion: 114 Resp: 115140

Ion Ratio Lower Upper

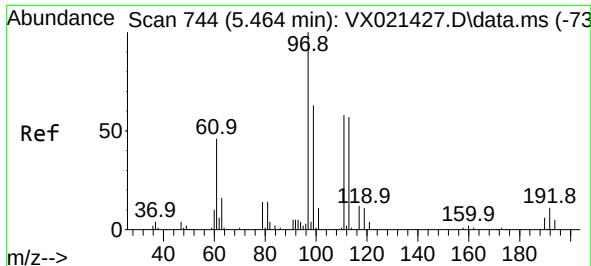
114 100

63 24.1 0.0 40.8

88 17.7 0.0 32.8



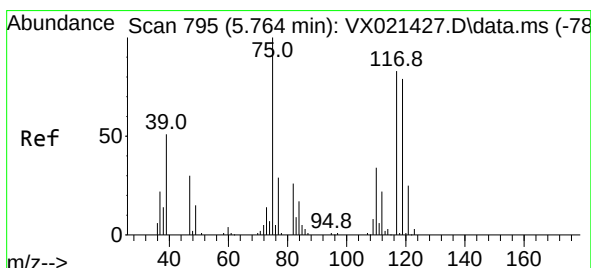
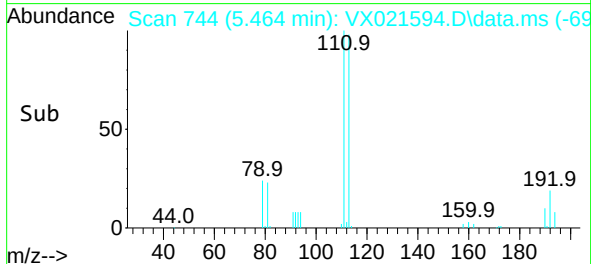
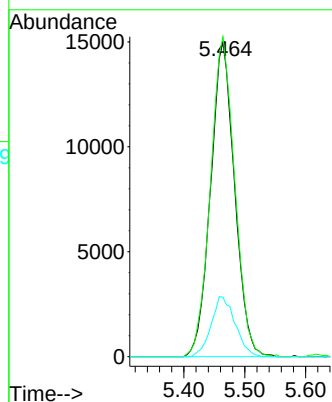
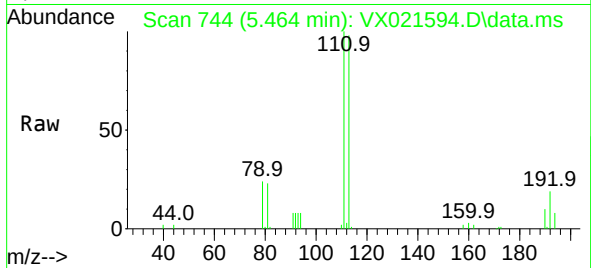




#35  
Dibromofluoromethane  
Concen: 50.18 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

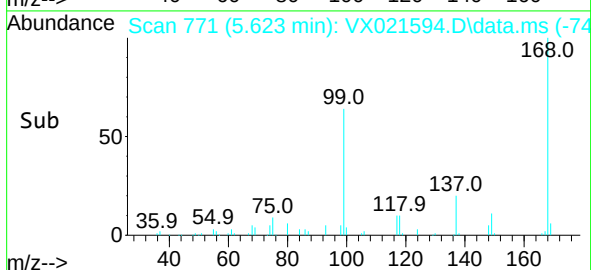
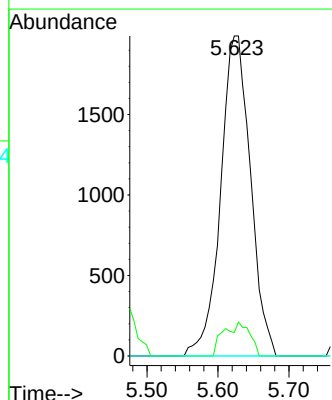
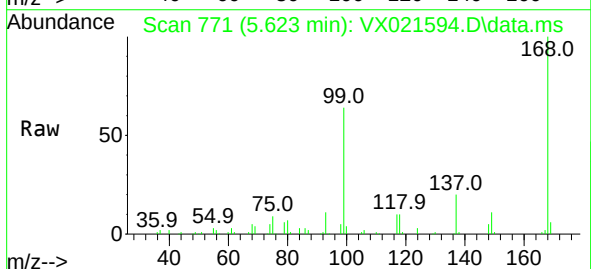
Instrument :  
MSVOA\_X  
ClientSampled :

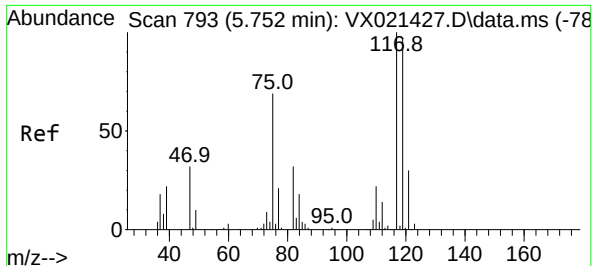
Tgt Ion:113 Resp: 41042  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.9 122.9  
192 19.1 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.14 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.141 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

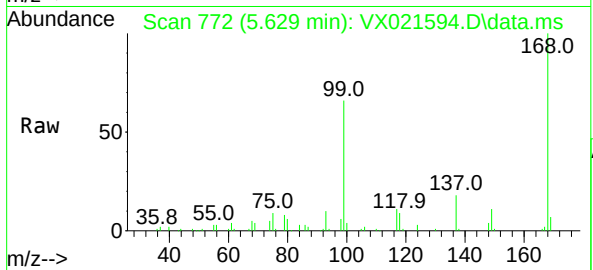
Tgt Ion: 75 Resp: 5802  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.4#  
77 0.0 25.3 37.9#



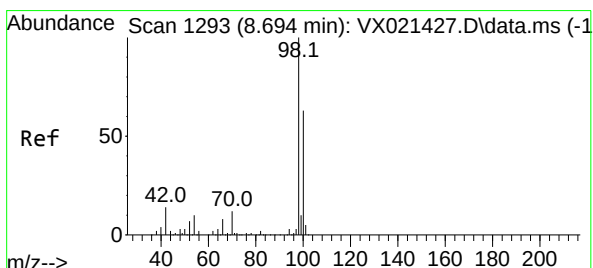
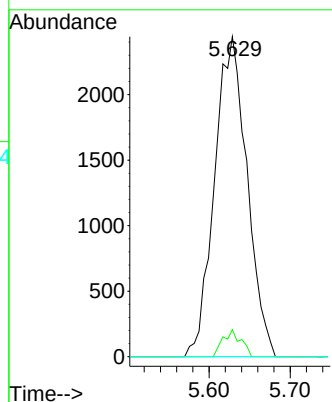
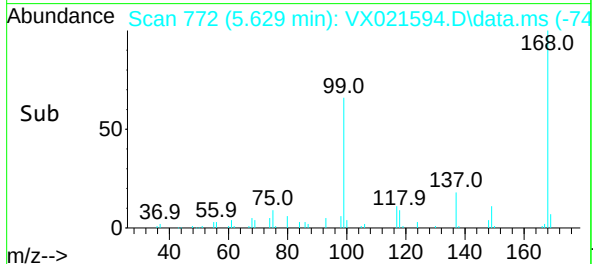


#38  
Carbon Tetrachloride  
Concen: 5.61 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.123 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

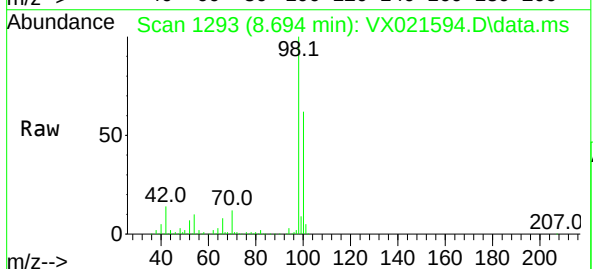
Instrument :  
MSVOA\_X  
ClientSampleId :



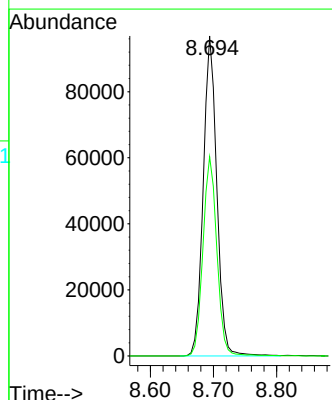
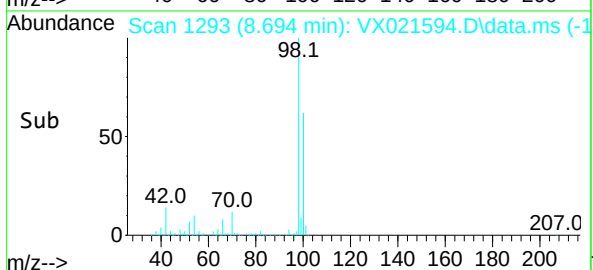
Tgt Ion:117 Resp: 6805  
Ion Ratio Lower Upper  
117 100  
119 8.5 76.2 114.2#  
121 0.0 24.8 37.2#

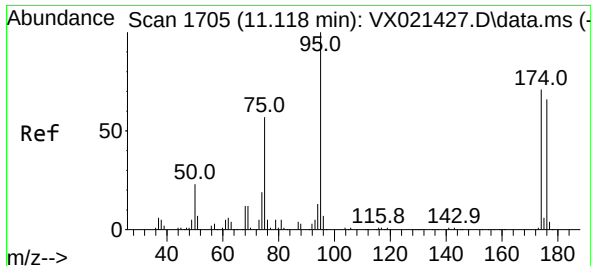


#50  
Toluene-d8  
Concen: 49.70 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43



Tgt Ion: 98 Resp: 144844  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.9 77.9

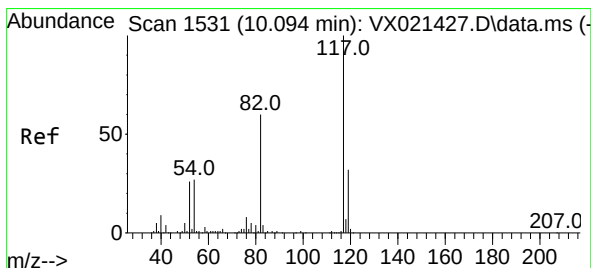
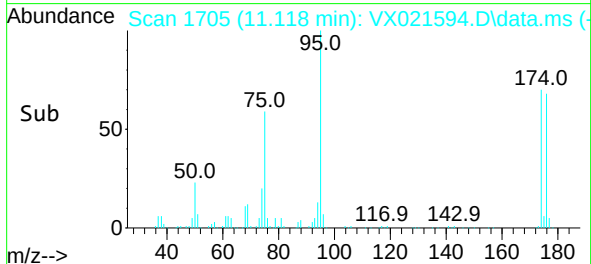
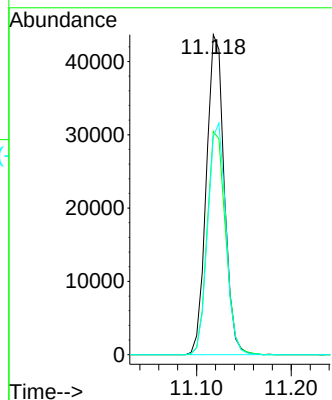
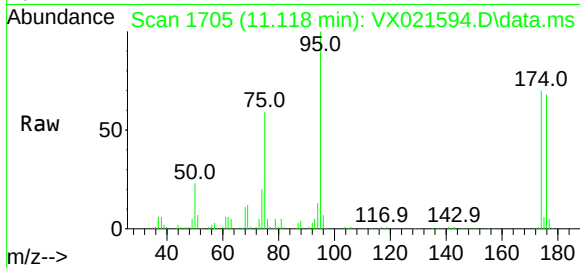




#62  
4-Bromofluorobenzene  
Concen: 50.40 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

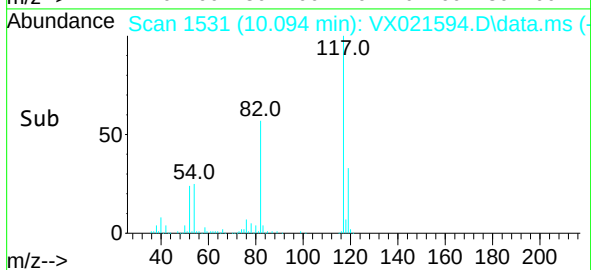
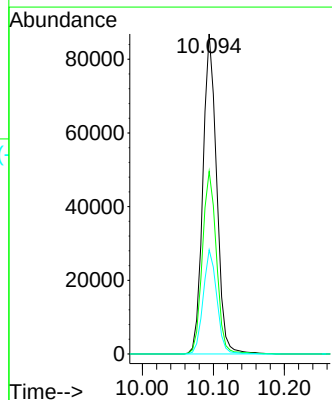
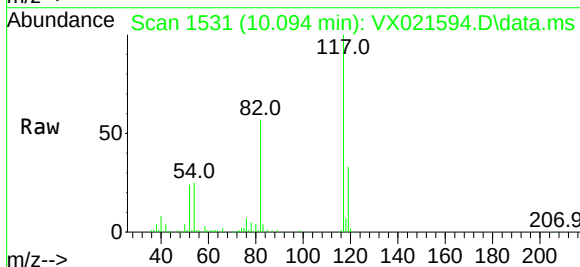
Instrument :  
MSVOA\_X  
ClientSampleId :

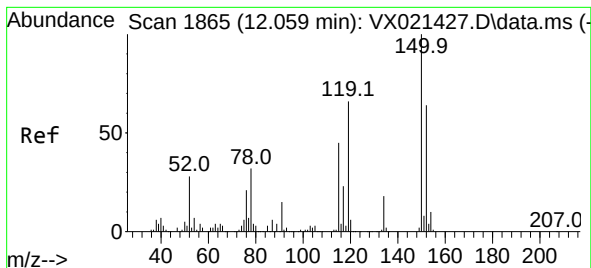
Tgt Ion: 95 Resp: 57106  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 154.6  
176 73.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021594.D  
Acq: 29 Mar 2021 22:43

Tgt Ion: 117 Resp: 117445  
Ion Ratio Lower Upper  
117 100  
82 57.1 47.4 71.2  
119 32.6 26.6 39.8

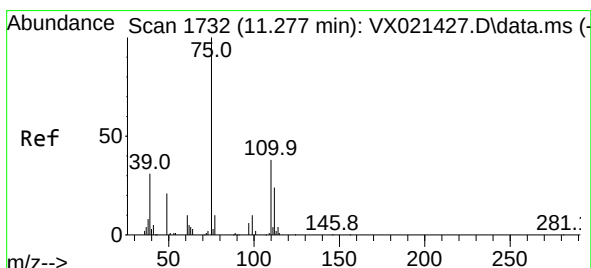
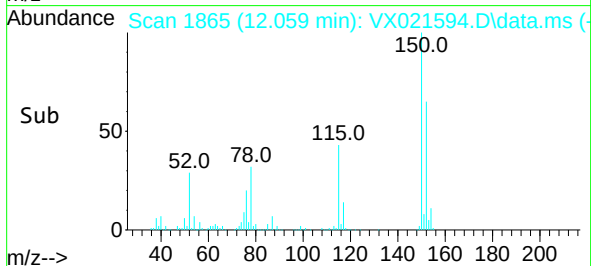
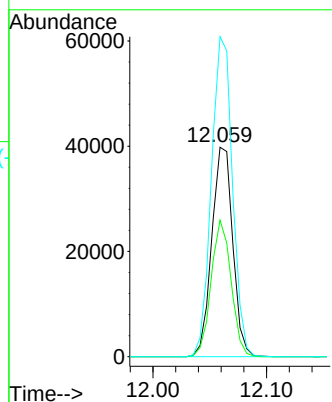
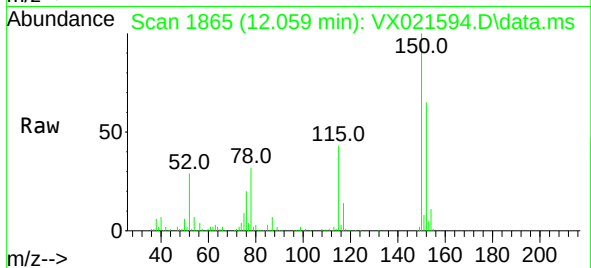




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.059 min Scan# 1865  
 Delta R.T. -0.000 min  
 Lab File: VX021594.D  
 Acq: 29 Mar 2021 22:43

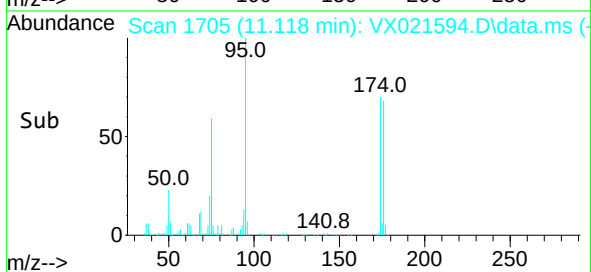
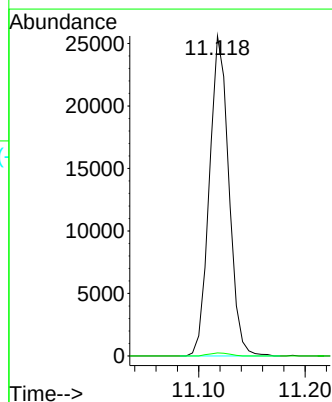
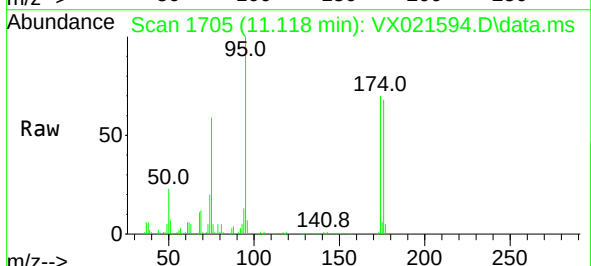
Instrument :  
 MSVOA\_X  
 ClientSampled :

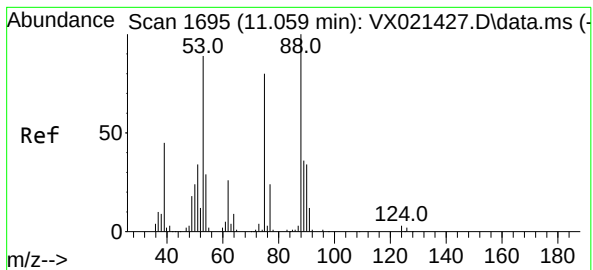
Tgt Ion:152 Resp: 51163  
 Ion Ratio Lower Upper  
 152 100  
 115 61.7 41.1 123.3  
 150 153.3 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.27 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021594.D  
 Acq: 29 Mar 2021 22:43

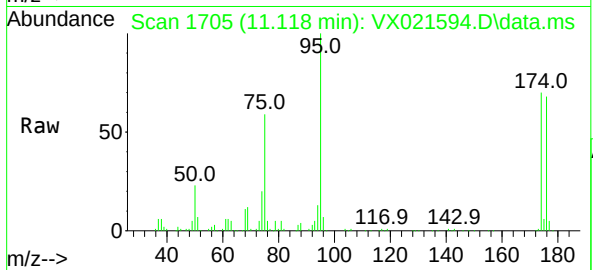
Tgt Ion: 75 Resp: 32484  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.07 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021594.D  
 Acq: 29 Mar 2021 22:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 32484  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

