

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
 Data File : VX021346.D  
 Acq On : 22 Mar 2021 10:31  
 Operator : JC/MD  
 Sample : VX0322MBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 23 01:57:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

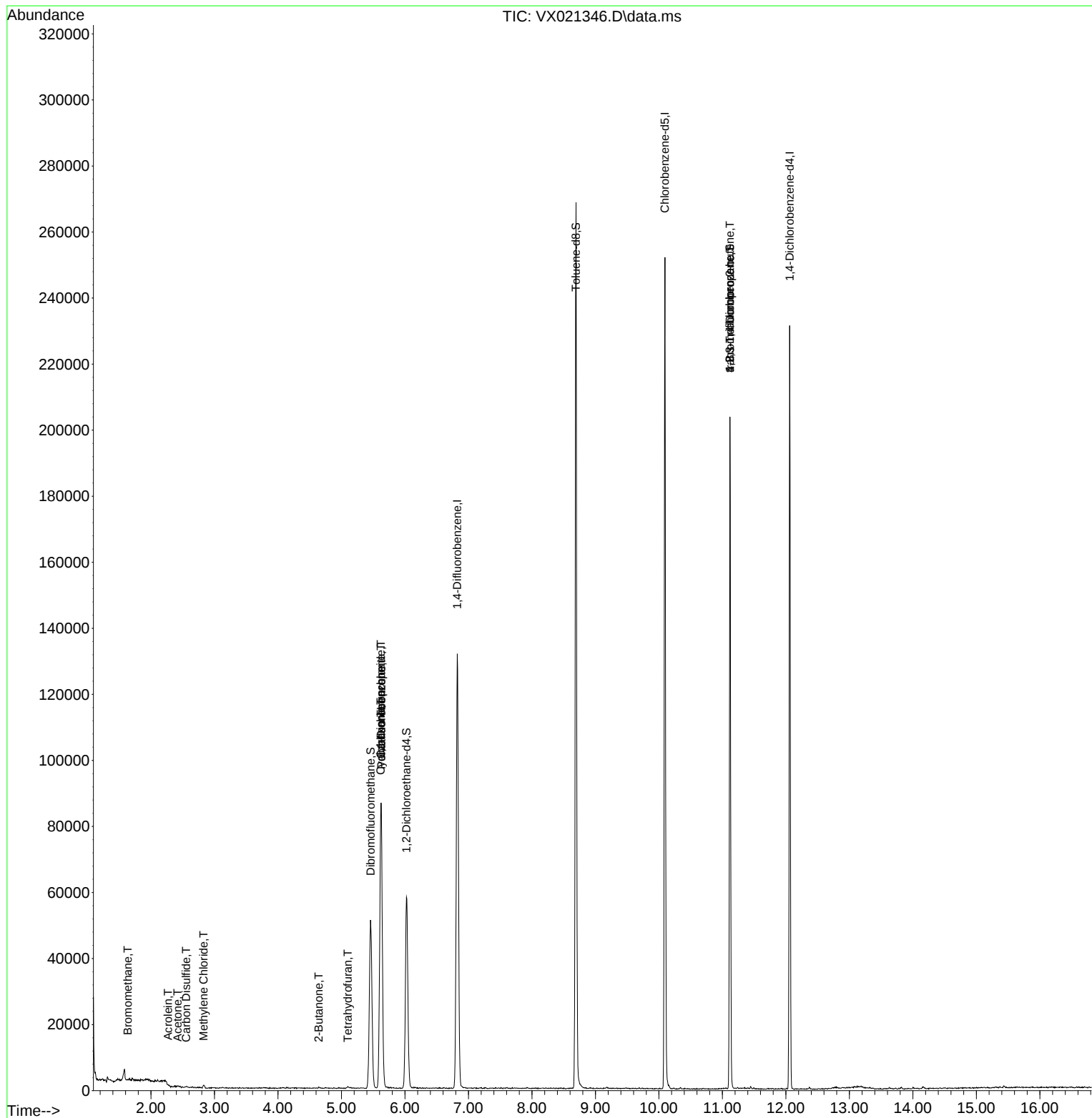
| Compound                      | R.T.   | QIon  | Response | Conc         | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|--------|----------|
| -----                         |        |       |          |              |        |          |
| Internal Standards            |        |       |          |              |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 75115    | 50.00        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.823  | 114   | 123702   | 50.00        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 104692   | 50.00        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 42098    | 50.00        | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.023  | 65    | 58247    | 47.28        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery     | =      | 94.56%   |
| 35) Dibromofluoromethane      | 5.458  | 113   | 41988    | 49.88        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery     | =      | 99.76%   |
| 50) Toluene-d8                | 8.694  | 98    | 148565   | 48.64        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery     | =      | 97.28%   |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 51206    | 43.17        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery     | =      | 86.34%   |
| Target Compounds              |        |       |          |              |        |          |
|                               |        |       |          |              | Qvalue |          |
| 3) Chloromethane              | 1.317  | 50    | 1865     | Below Cal    |        | 99       |
| 5) Bromomethane               | 1.634  | 94    | 151      | 0.38 ug/l    |        | 84       |
| 13) Acrolein                  | 2.270  | 56    | 117      | 4.06 ug/l #  |        | 59       |
| 16) Acetone                   | 2.417  | 43    | 501      | 1.11 ug/l #  |        | 40       |
| 17) Carbon Disulfide          | 2.552  | 76    | 474      | 0.75 ug/l #  |        | 73       |
| 20) Methylene Chloride        | 2.829  | 84    | 290      | 0.31 ug/l #  |        | 89       |
| 25) 2-Butanone                | 4.641  | 43    | 169      | 0.24 ug/l #  |        | 45       |
| 29) Tetrahydrofuran           | 5.100  | 42    | 355      | 0.77 ug/l #  |        | 35       |
| 31) Cyclohexane               | 5.617  | 56    | 2252     | 1.51 ug/l #  |        | 38       |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 6821     | 5.47 ug/l #  |        | 48       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 8238     | 6.36 ug/l #  |        | 16       |
| 49) 1,4-Dioxane               | 7.741  | 88    | 19       | Below Cal #  |        | 1        |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 28353    | 29.03 ug/l # |        | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 28353    | 78.83 ug/l # |        | 12       |
| -----                         |        |       |          |              |        |          |

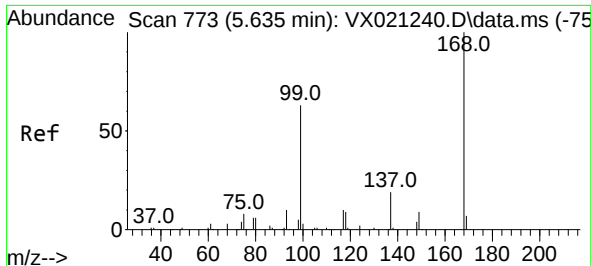
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
Data File : VX021346.D  
Acq On : 22 Mar 2021 10:31  
Operator : JC/MD  
Sample : VX0322MBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 23 01:57:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

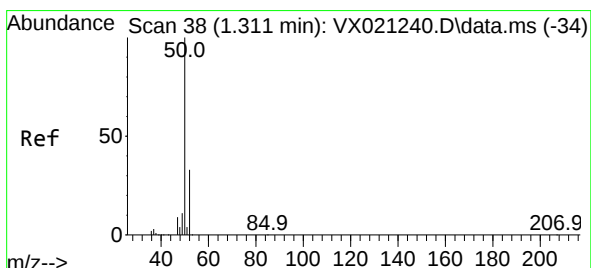
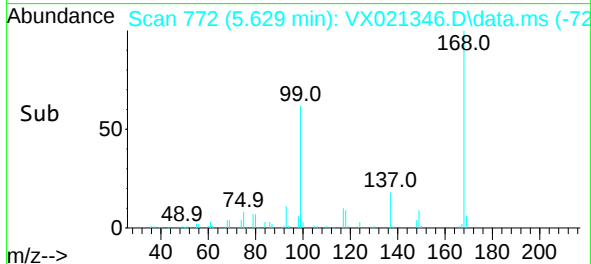
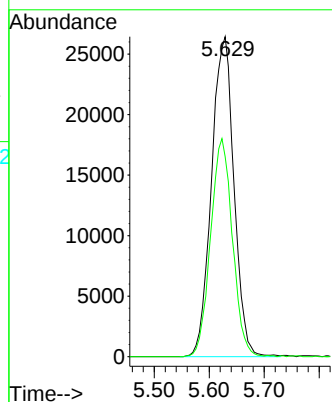
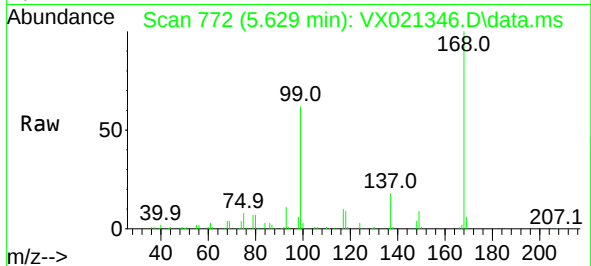




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

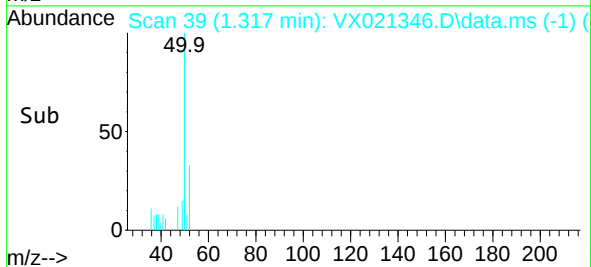
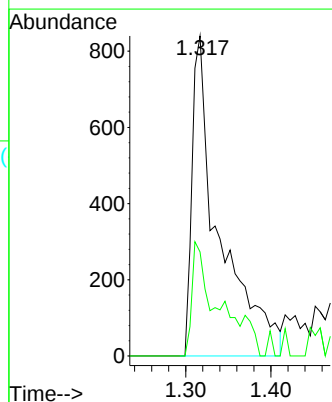
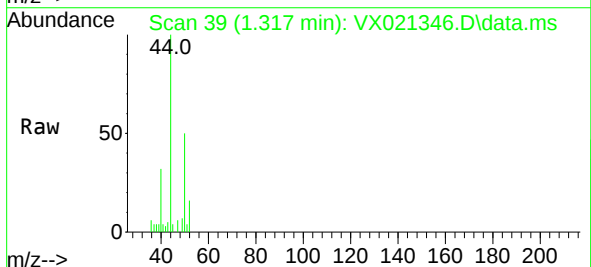
Instrument :  
MSVOA\_X  
ClientSampleId :

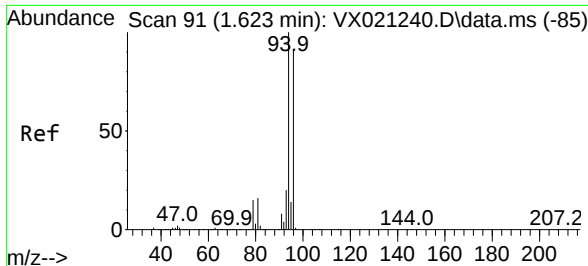
Tgt Ion:168 Resp: 75115  
Ion Ratio Lower Upper  
168 100  
99 62.5 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

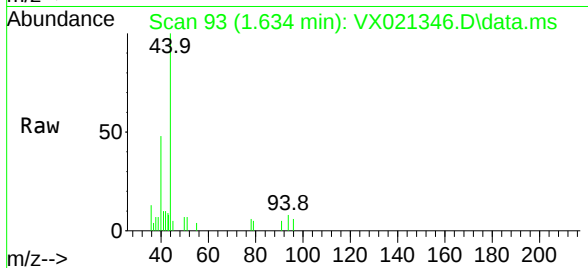
Tgt Ion: 50 Resp: 1865  
Ion Ratio Lower Upper  
50 100  
52 32.5 26.4 39.6



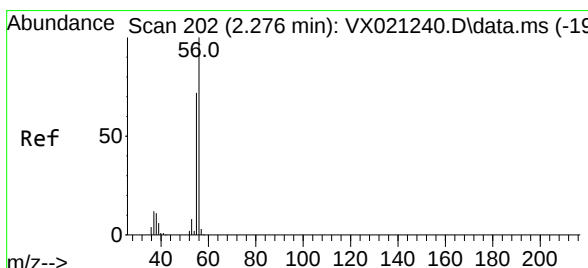
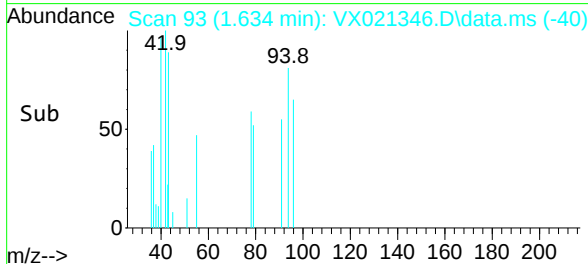
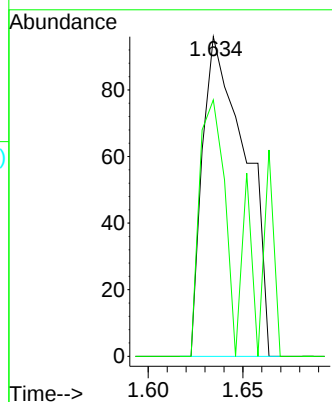


#5  
Bromomethane  
Concen: 0.38 ug/l  
RT: 1.634 min Scan# 93  
Delta R.T. 0.011 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Instrument :  
MSVOA\_X  
ClientSampled :

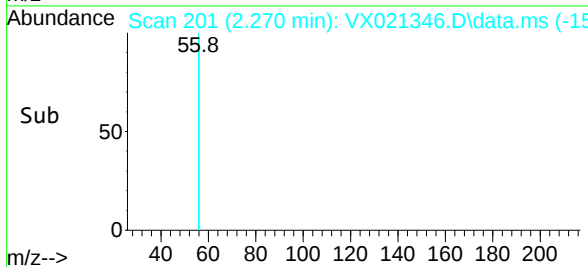
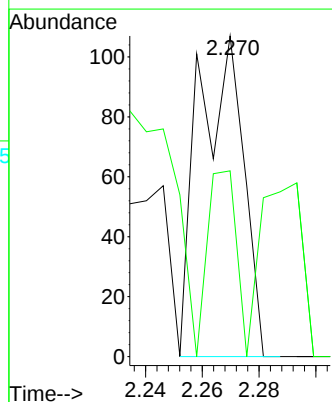
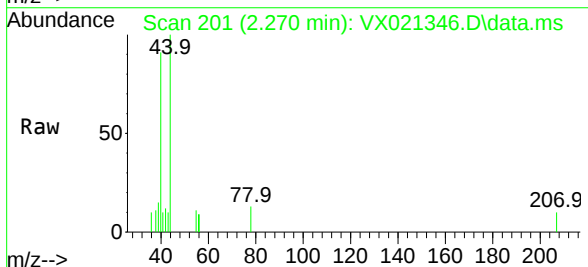


Tgt Ion: 94 Resp: 151  
Ion Ratio Lower Upper  
94 100  
96 80.2 76.4 114.6



#13  
Acrolein  
Concen: 4.06 ug/l  
RT: 2.270 min Scan# 201  
Delta R.T. -0.006 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion: 56 Resp: 117  
Ion Ratio Lower Upper  
56 100  
55 36.8 56.4 84.6#

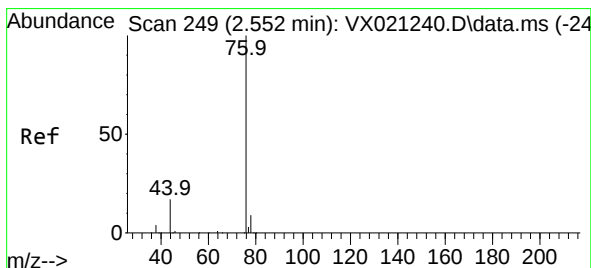
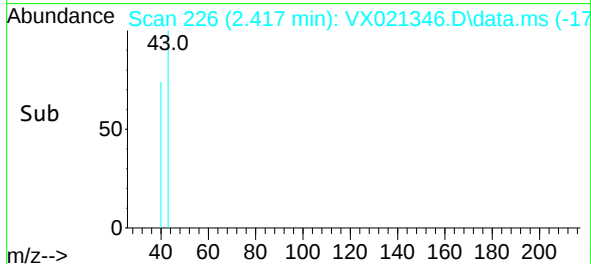
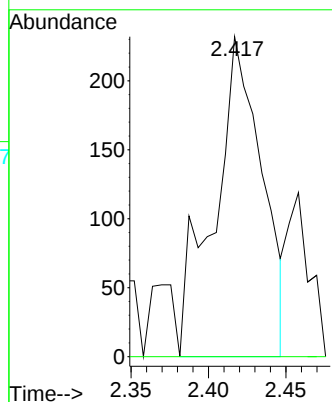
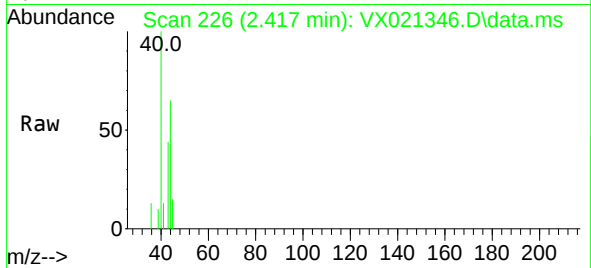




#16  
Acetone  
Concen: 1.11 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

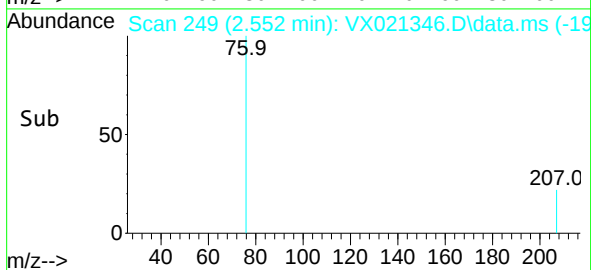
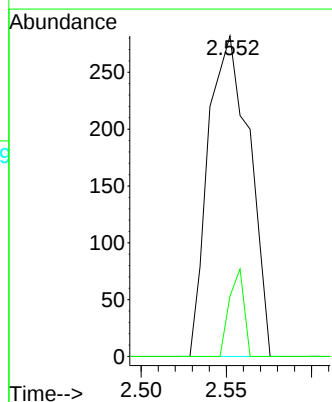
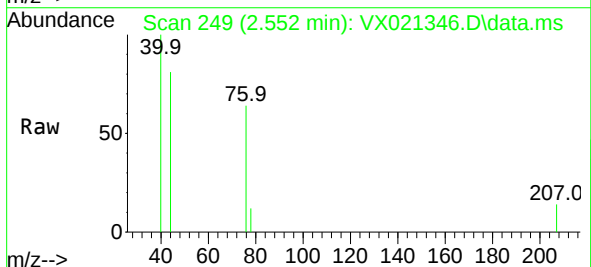
Instrument :  
MSVOA\_X  
ClientSampled :

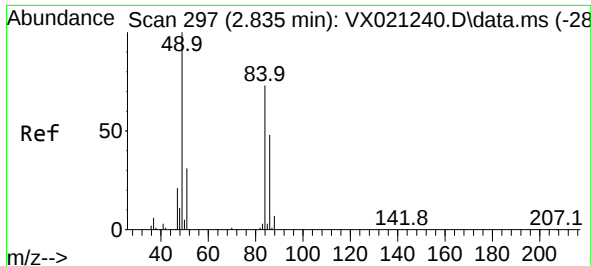
Tgt Ion: 43 Resp: 501  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.75 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion: 76 Resp: 474  
Ion Ratio Lower Upper  
76 100  
78 18.8 7.2 10.8#





#20

Methylene Chloride

Concen: 0.31 ug/l

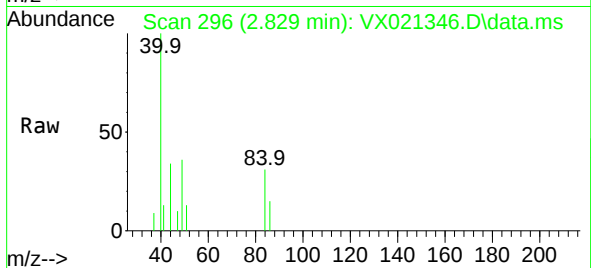
RT: 2.829 min Scan# 296

Delta R.T. -0.006 min

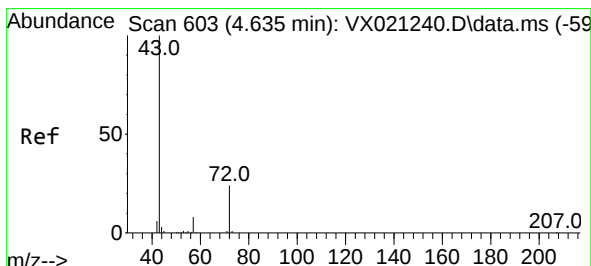
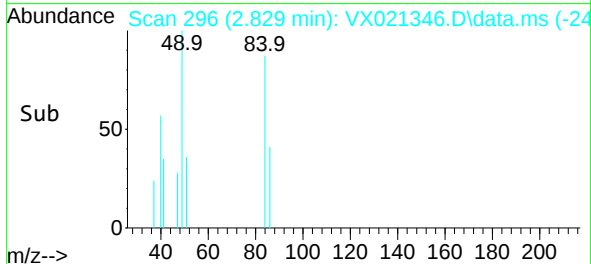
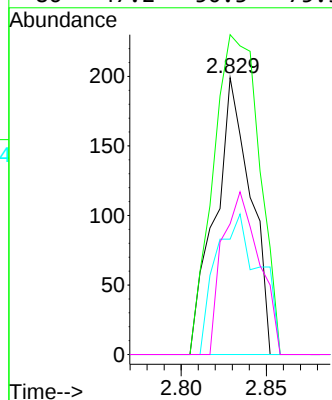
Lab File: VX021346.D

Acq: 22 Mar 2021 10:31

Instrument :  
MSVOA\_X  
ClientSampleId :



|             |                  |
|-------------|------------------|
| Tgt Ion: 84 | Resp: 290        |
| Ion Ratio   | Lower Upper      |
| 84          | 100              |
| 49          | 115.6 88.6 132.8 |
| 51          | 41.7 27.0 40.6#  |
| 86          | 47.2 50.3 75.5#  |



#25

2-Butanone

Concen: 0.24 ug/l

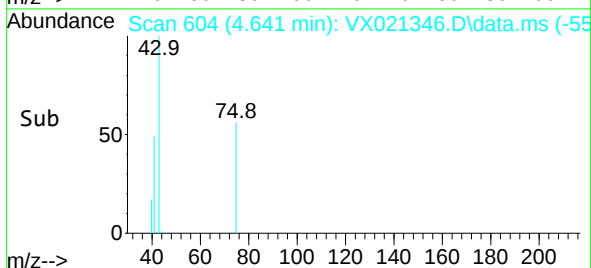
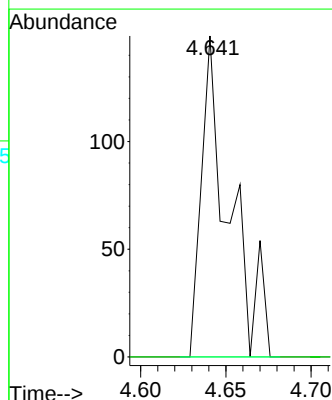
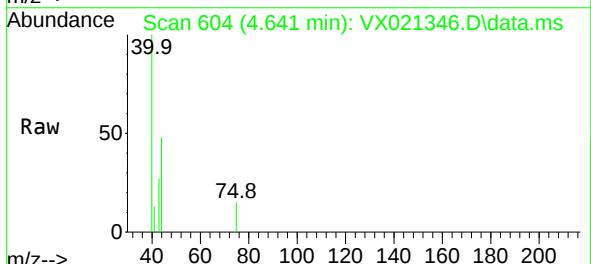
RT: 4.641 min Scan# 604

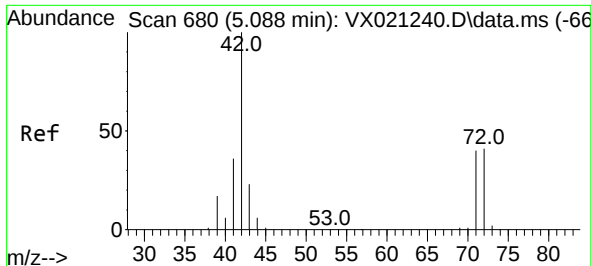
Delta R.T. 0.006 min

Lab File: VX021346.D

Acq: 22 Mar 2021 10:31

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 169      |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 72          | 0.0 23.7 35.5# |





#29

Tetrahydrofuran

Concen: 0.77 ug/l

RT: 5.100 min Scan# 682

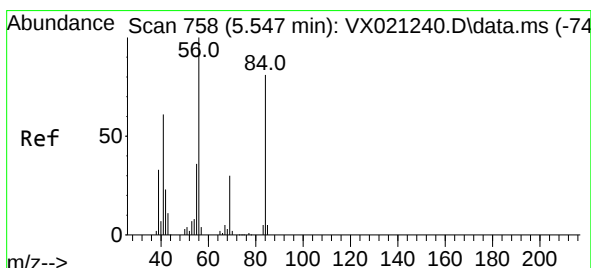
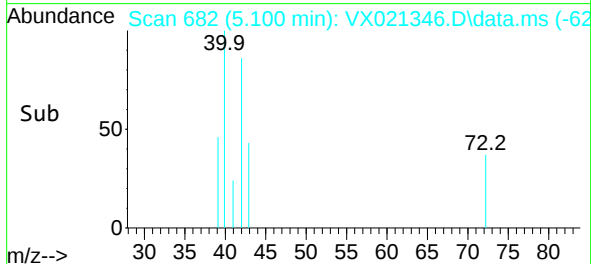
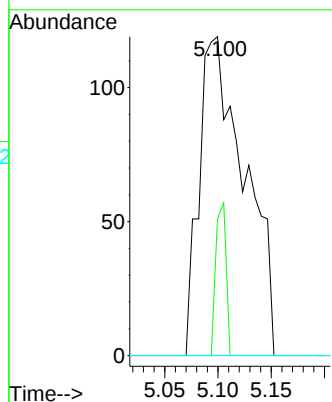
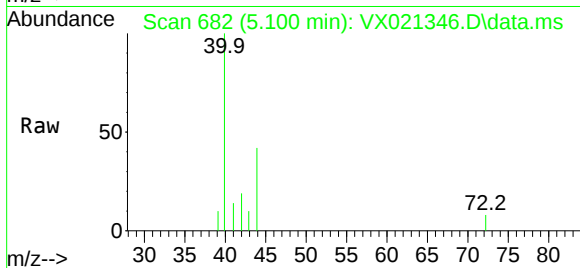
Delta R.T. 0.012 min

Lab File: VX021346.D

Acq: 22 Mar 2021 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 355   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 10.7  | 41.7  | 62.5# |
| 71       | 0.0   | 38.4  | 57.6# |

Instrument :  
MSVOA\_X  
ClientSampled :



#31

Cyclohexane

Concen: 1.51 ug/l

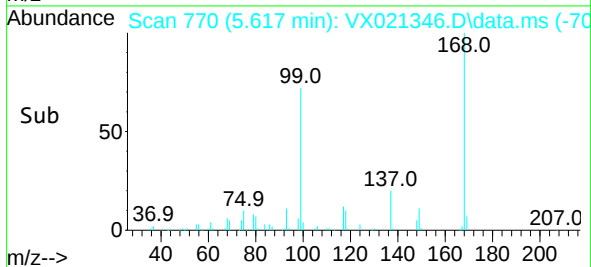
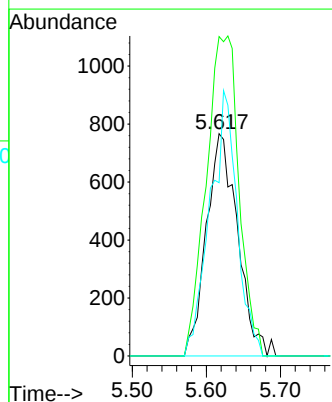
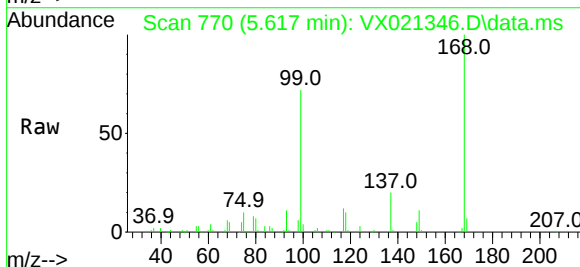
RT: 5.617 min Scan# 770

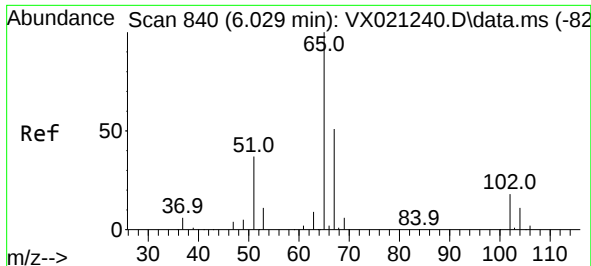
Delta R.T. 0.070 min

Lab File: VX021346.D

Acq: 22 Mar 2021 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2252  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 143.7 | 25.3  | 37.9# |
| 84       | 78.0  | 71.4  | 107.0 |





#33

1,2-Dichloroethane-d4

Concen: 47.28 ug/l

RT: 6.023 min Scan# 839

Delta R.T. -0.006 min

Lab File: VX021346.D

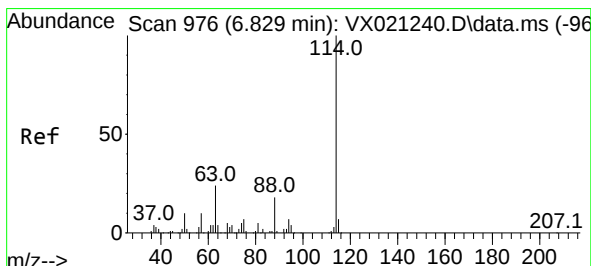
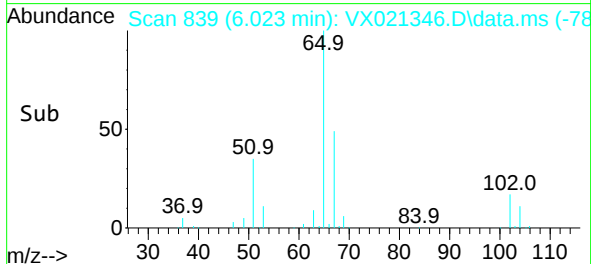
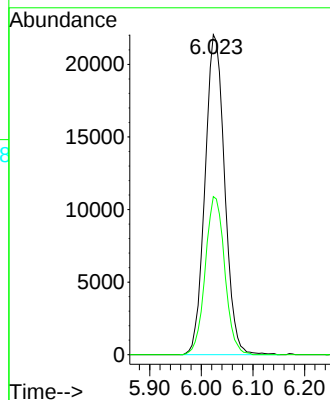
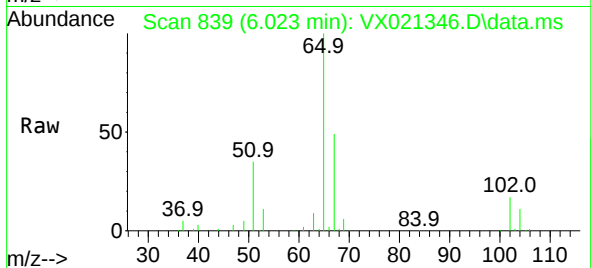
Acq: 22 Mar 2021 10:31

Tgt Ion: 65 Resp: 58247

Ion Ratio Lower Upper

65 100

67 49.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.823 min Scan# 975

Delta R.T. -0.006 min

Lab File: VX021346.D

Acq: 22 Mar 2021 10:31

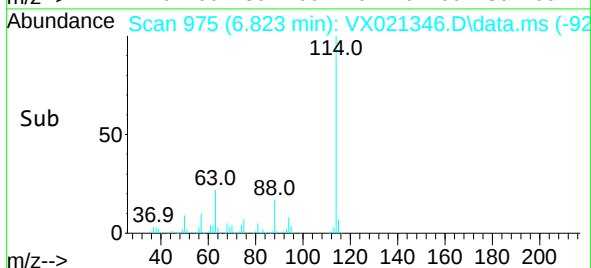
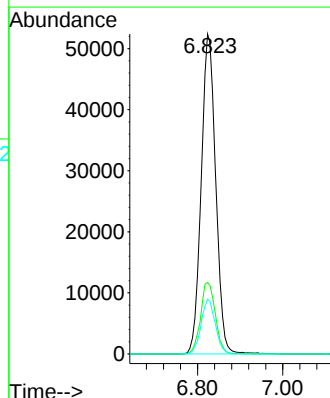
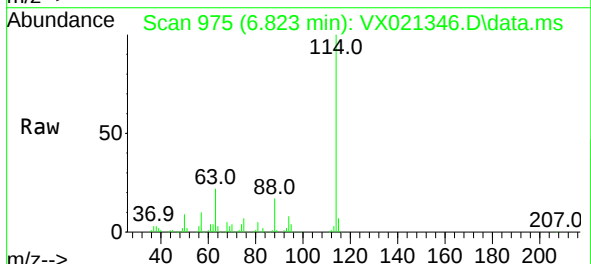
Tgt Ion: 114 Resp: 123702

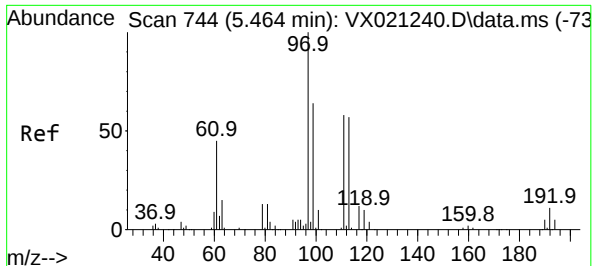
Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.8

88 17.1 0.0 32.8

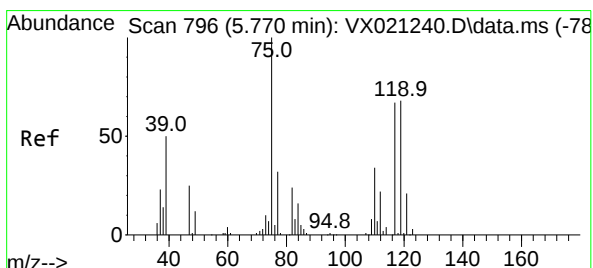
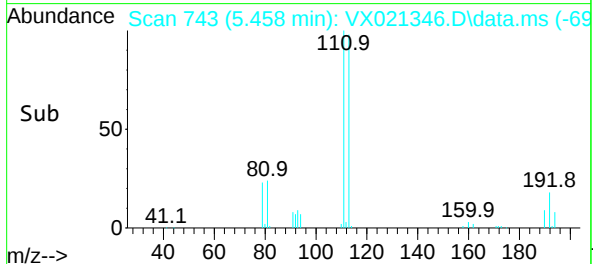
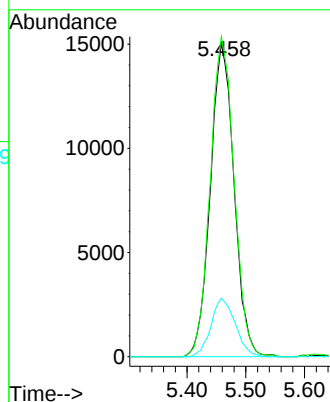
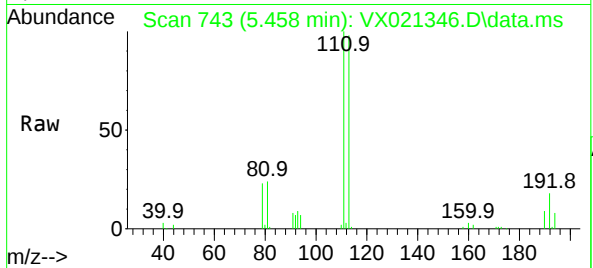




#35  
Dibromofluoromethane  
Concen: 49.88 ug/l  
RT: 5.458 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

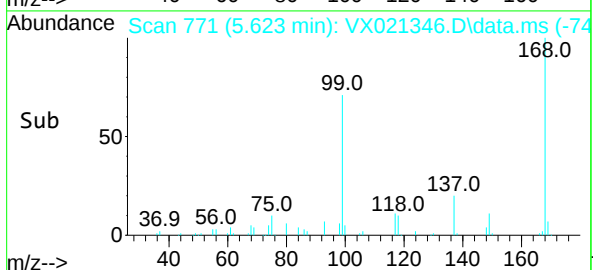
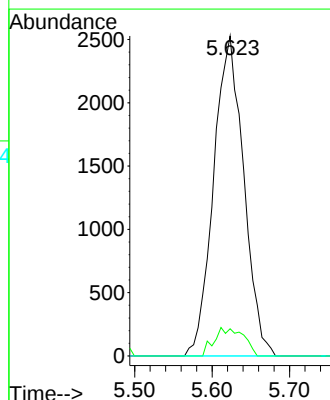
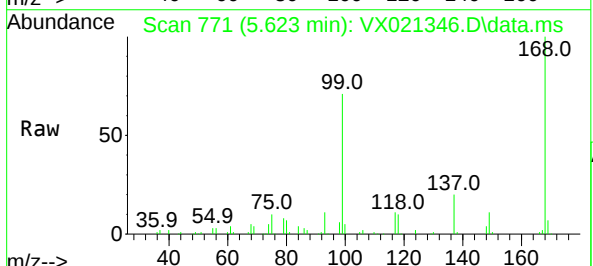
Instrument :  
MSVOA\_X  
ClientSampleId :

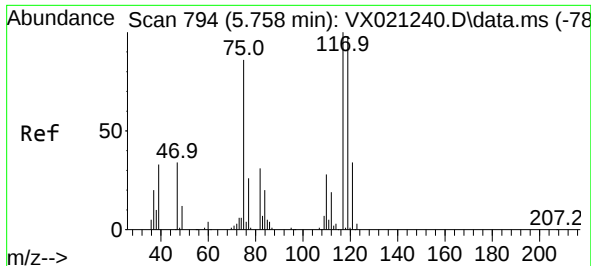
Tgt Ion:113 Resp: 41988  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.9 122.9  
192 19.1 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.47 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.147 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

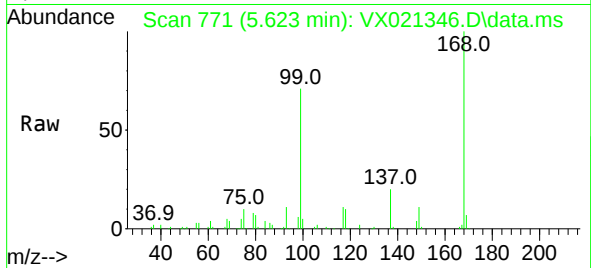
Tgt Ion: 75 Resp: 6821  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.1 54.4#  
77 0.0 25.3 37.9#



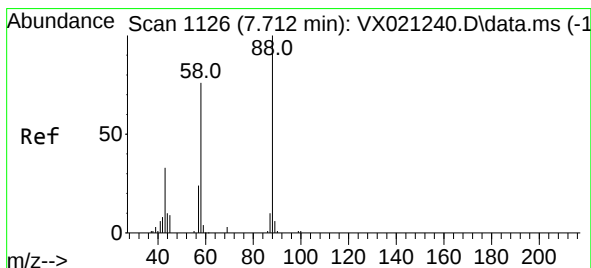
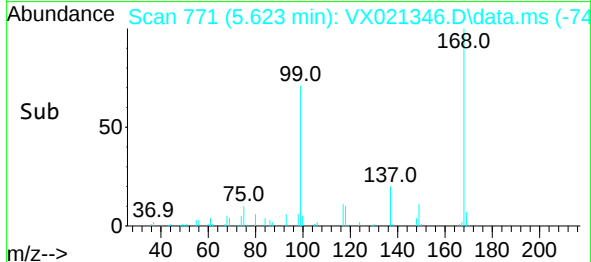
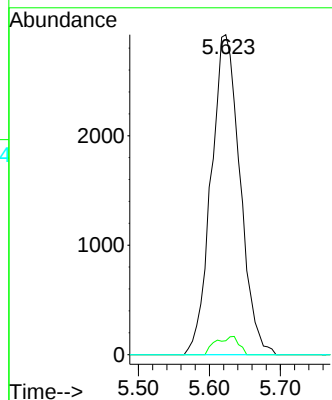


#38  
Carbon Tetrachloride  
Concen: 6.36 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.135 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Instrument :  
MSVOA\_X  
ClientSampled :

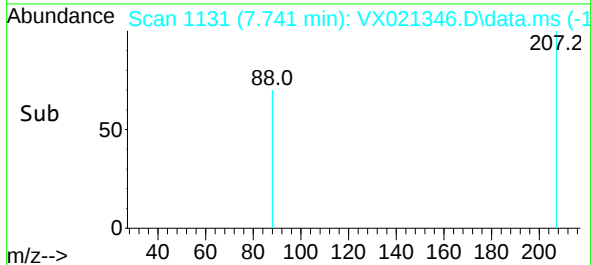
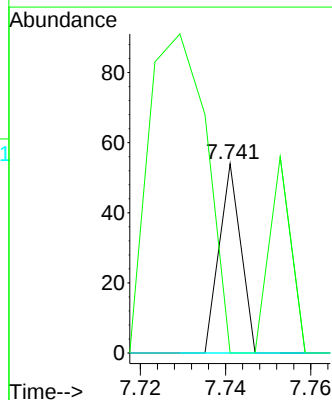
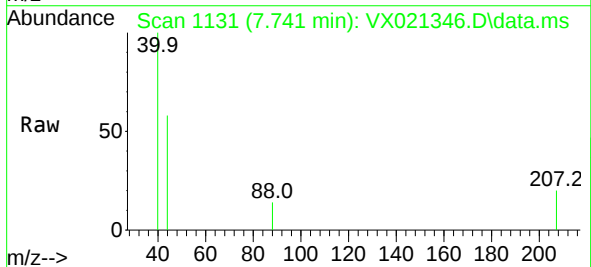


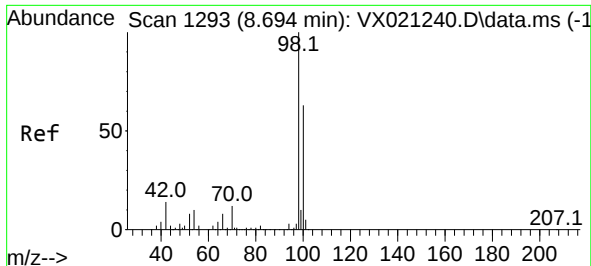
Tgt Ion:117 Resp: 8238  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.2 114.2#  
121 0.0 24.8 37.2#



#49  
1,4-Dioxane  
Concen: Below Cal  
RT: 7.741 min Scan# 1131  
Delta R.T. 0.029 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion: 88 Resp: 19  
Ion Ratio Lower Upper  
88 100  
43 105.3 23.2 34.8#  
58 0.0 55.0 82.4#

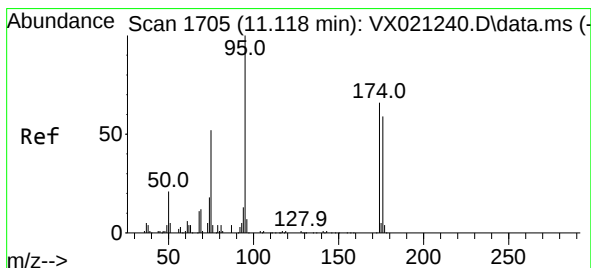
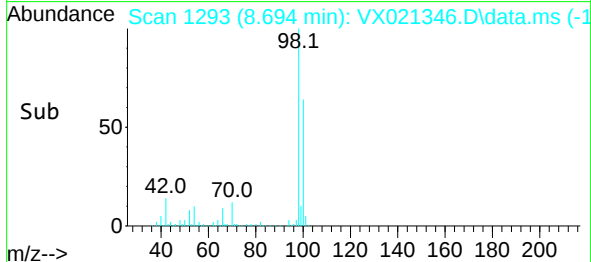
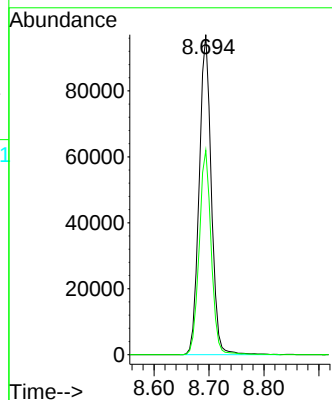
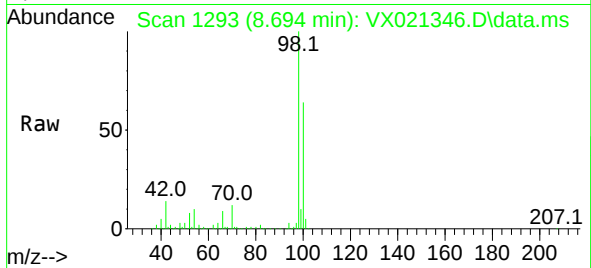




#50  
Toluene-d8  
Concen: 48.64 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

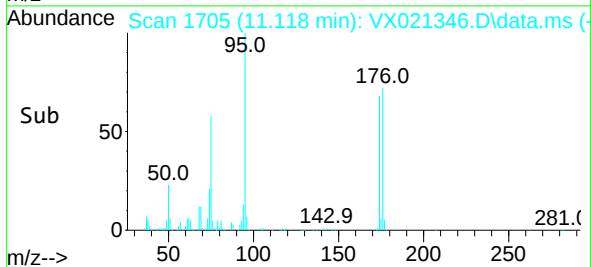
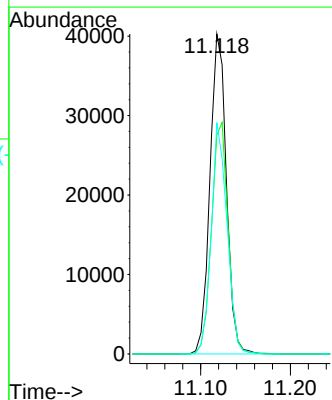
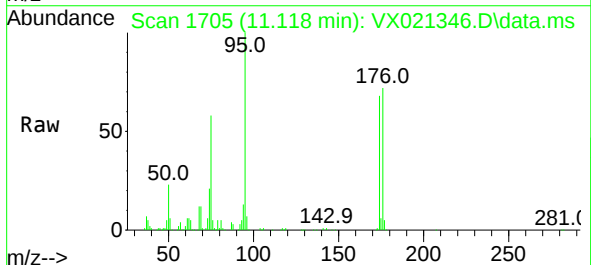
Instrument :  
MSVOA\_X  
ClientSampleId :

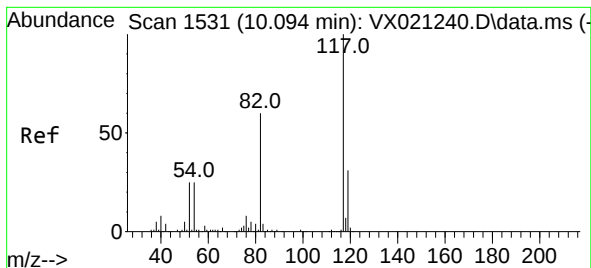
Tgt Ion: 98 Resp: 148565  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 43.17 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion: 95 Resp: 51206  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 154.6  
176 69.5 0.0 155.8

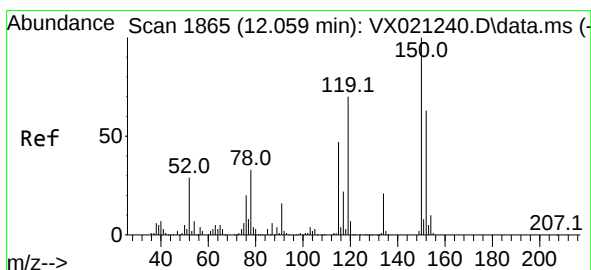
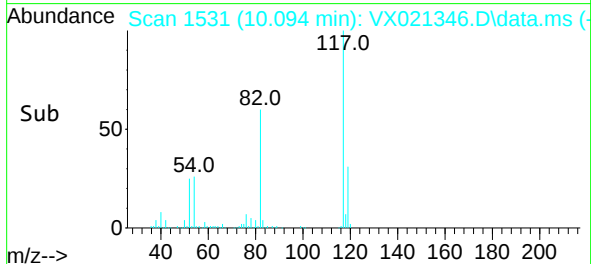
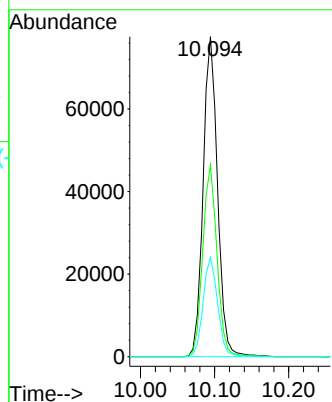
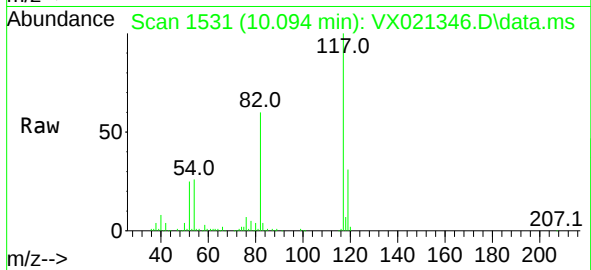




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

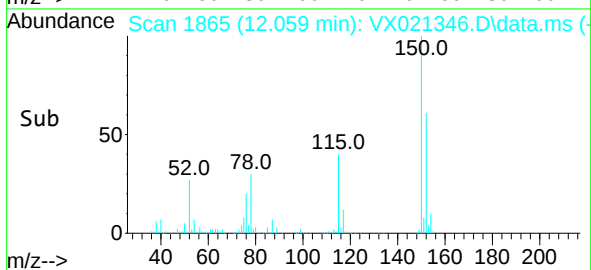
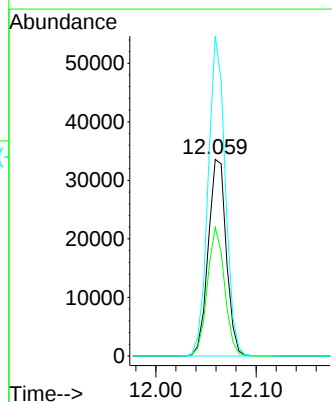
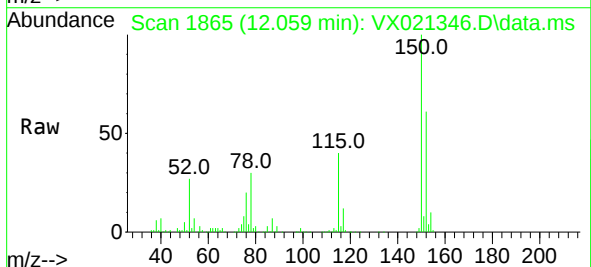
Instrument :  
MSVOA\_X  
ClientSampleId :

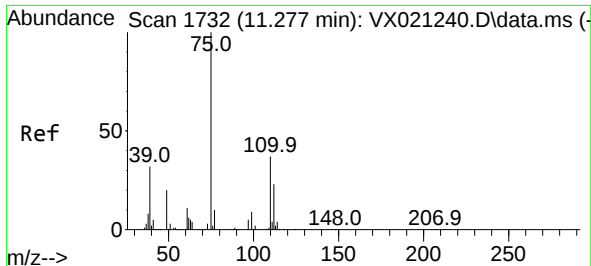
Tgt Ion:117 Resp: 104692  
Ion Ratio Lower Upper  
117 100  
82 59.9 47.4 71.2  
119 30.9 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion:152 Resp: 42098  
Ion Ratio Lower Upper  
152 100  
115 62.0 41.1 123.3  
150 154.3 0.0 349.0

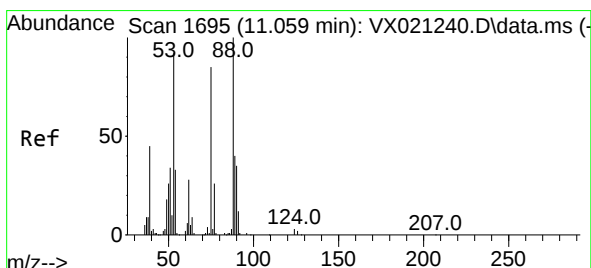
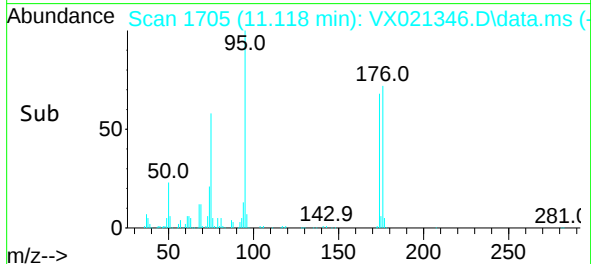
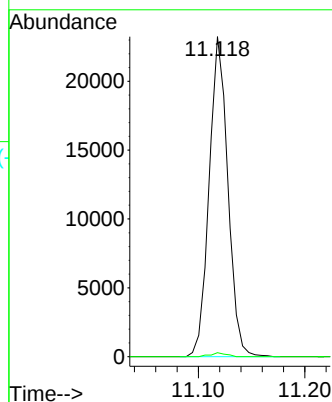
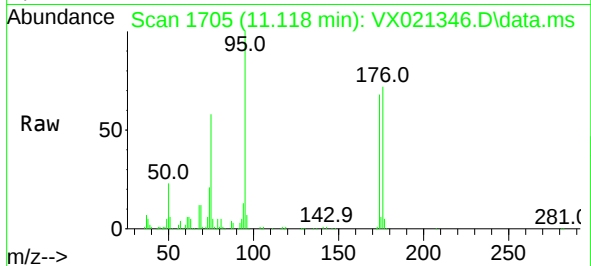




#76  
1,2,3-Trichloropropane  
Concen: 29.03 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 28353  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.83 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021346.D  
Acq: 22 Mar 2021 10:31

Tgt Ion: 75 Resp: 28353  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

