

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
 Data File : VX021414.D  
 Acq On : 24 Mar 2021 03:28  
 Operator : JC/MD  
 Sample : M1774-04 100X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 30808

Quant Time: Mar 24 04:32:20 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

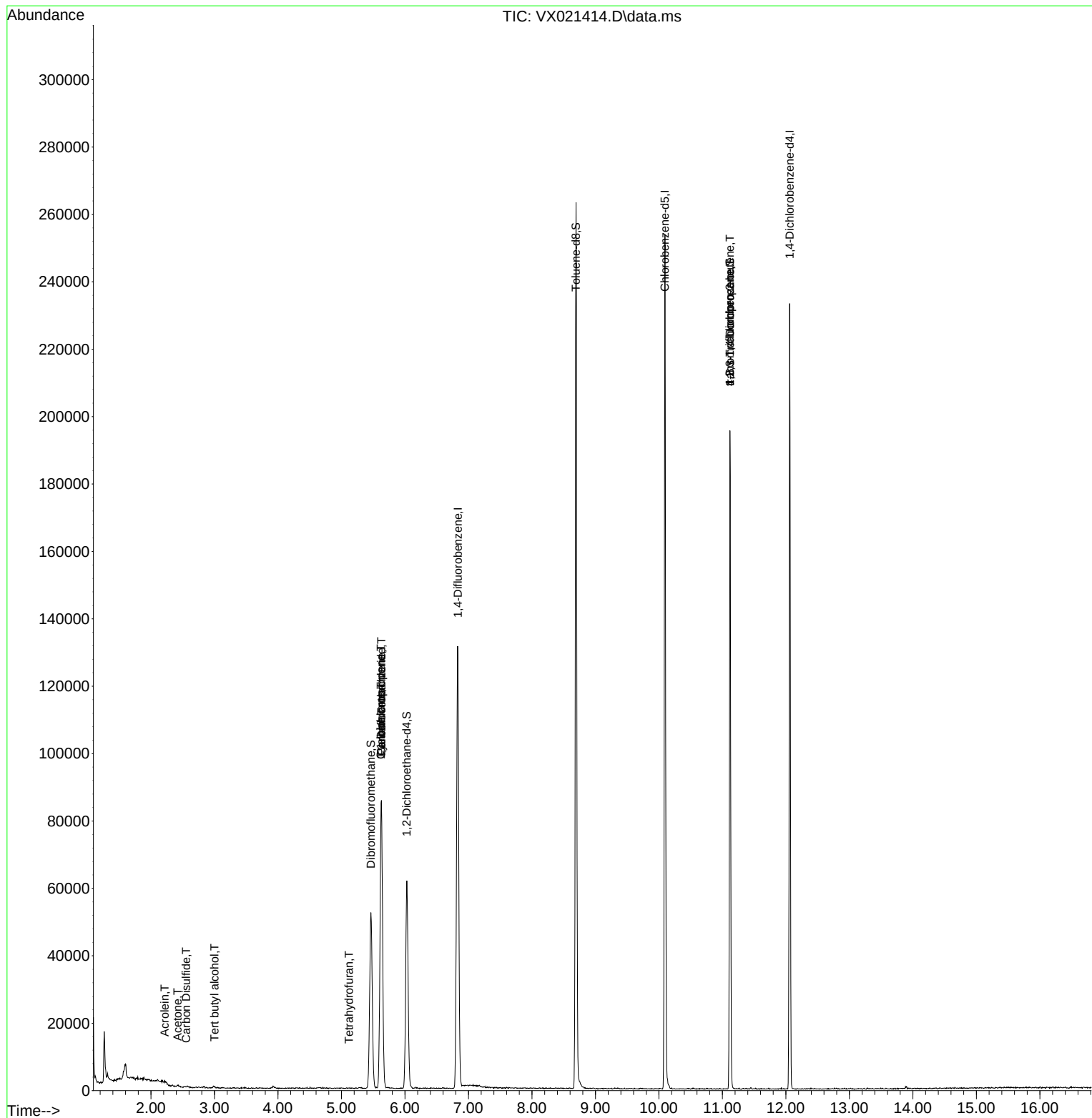
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 74275    | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.835  | 114   | 123687   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 103597   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 42075    | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 60267    | 49.47     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 98.94%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 42447    | 50.43     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 100.86%  |
| 50) Toluene-d8                | 8.694  | 98    | 149172   | 48.85     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 97.70%   |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 50585    | 42.65     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 85.30%   |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.317  | 50    | 1496     | Below Cal | #      | 84       |
| 11) Tert butyl alcohol        | 2.999  | 59    | 278      | 1.36      | ug/l # | 73       |
| 13) Acrolein                  | 2.217  | 56    | 38       | 3.43      | ug/l # | 75       |
| 16) Acetone                   | 2.417  | 43    | 802      | 1.79      | ug/l   | 97       |
| 17) Carbon Disulfide          | 2.552  | 76    | 347      | 0.69      | ug/l # | 75       |
| 29) Tetrahydrofuran           | 5.117  | 42    | 106      | 0.23      | ug/l # | 27       |
| 31) Cyclohexane               | 5.623  | 56    | 2120     | 1.44      | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 6857     | 5.50      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 8261     | 6.38      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 28996    | 29.71     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 28996    | 80.66     | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

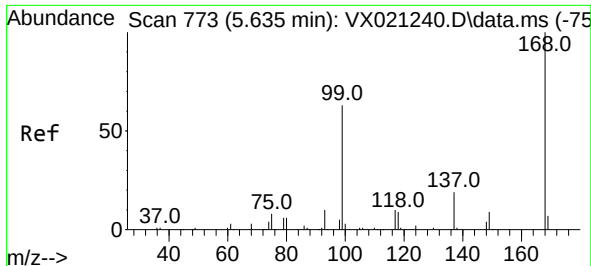
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
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Sample : M1774-04 100X  
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ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
30808

Quant Time: Mar 24 04:32:20 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

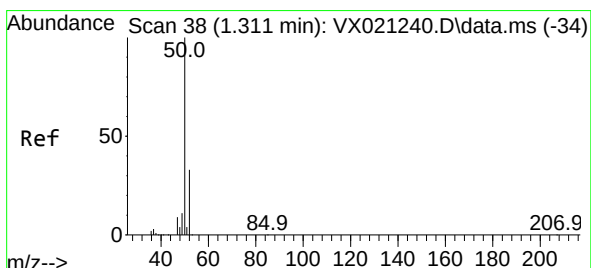
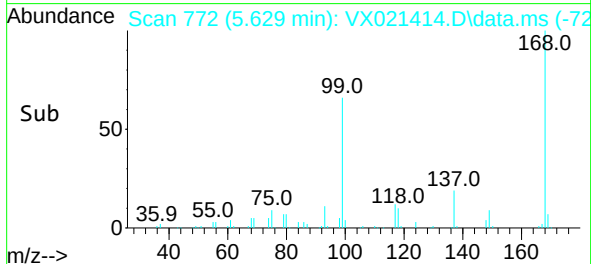
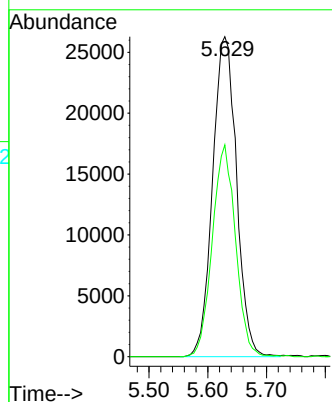
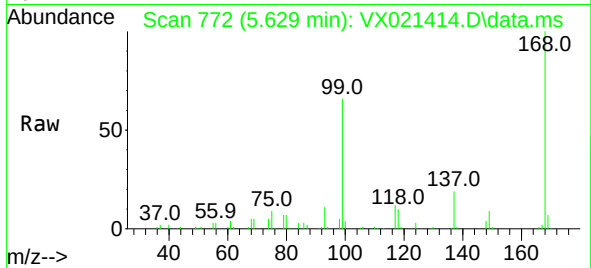




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

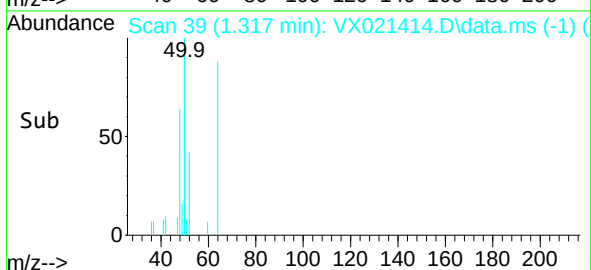
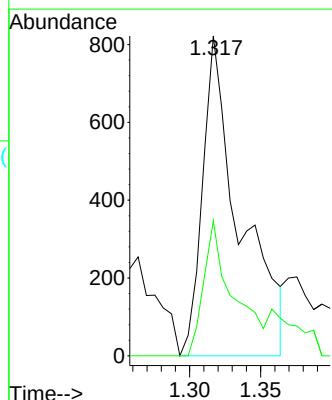
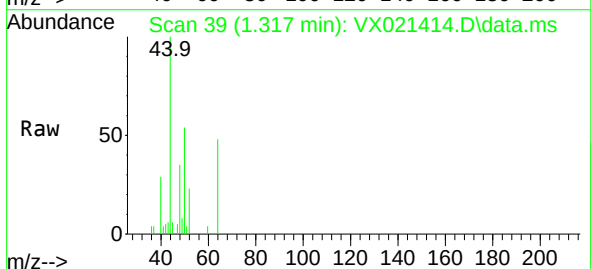
Instrument :  
MSVOA\_X  
ClientSampleId :  
30808

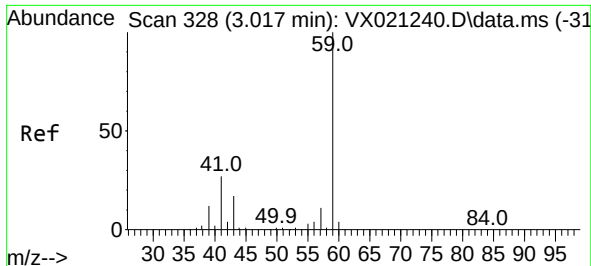
Tgt Ion:168 Resp: 74275  
Ion Ratio Lower Upper  
168 100  
99 66.2 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Tgt Ion: 50 Resp: 1496  
Ion Ratio Lower Upper  
50 100  
52 42.2 26.4 39.6#



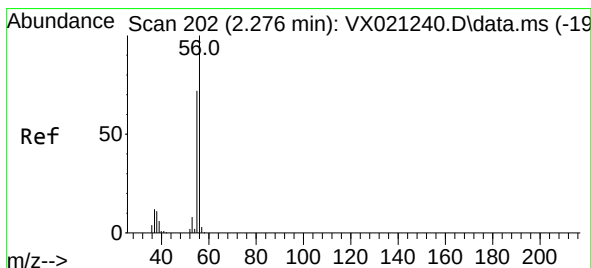
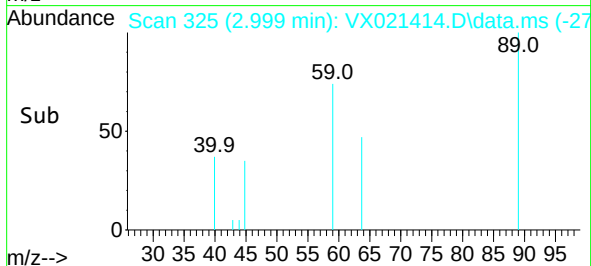
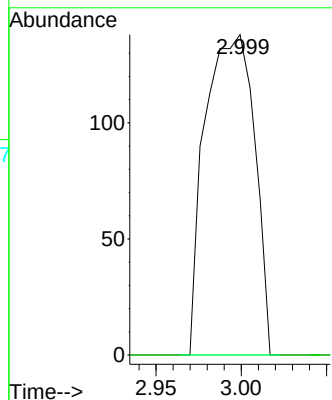
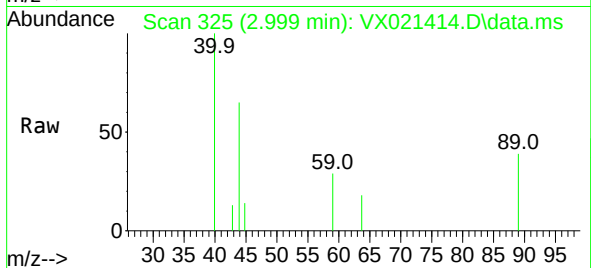


#11

Tert butyl alcohol  
Concen: 1.36 ug/l  
RT: 2.999 min Scan# 325  
Delta R.T. -0.018 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Instrument :  
MSVOA\_X  
ClientSampled :  
30808

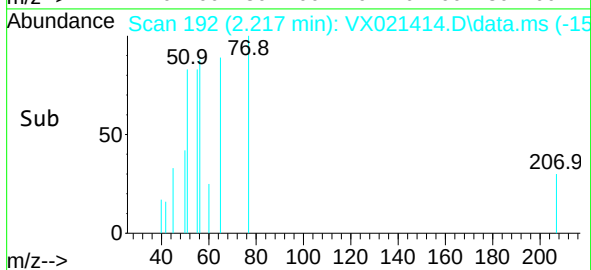
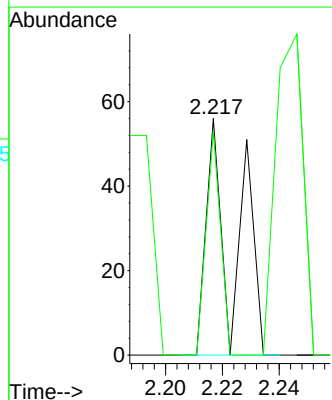
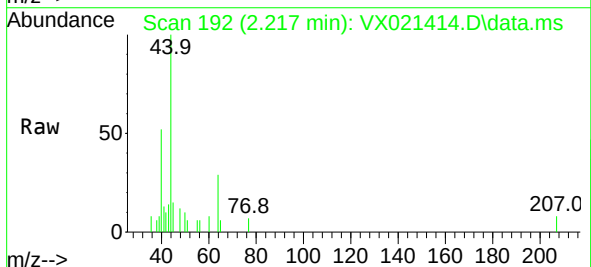
Tgt Ion: 59 Resp: 278  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

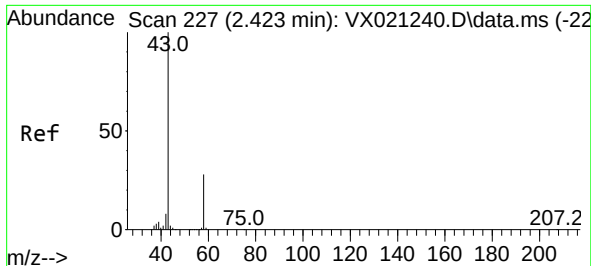


#13

Acrolein  
Concen: 3.43 ug/l  
RT: 2.217 min Scan# 192  
Delta R.T. -0.059 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Tgt Ion: 56 Resp: 38  
Ion Ratio Lower Upper  
56 100  
55 50.0 56.4 84.6#

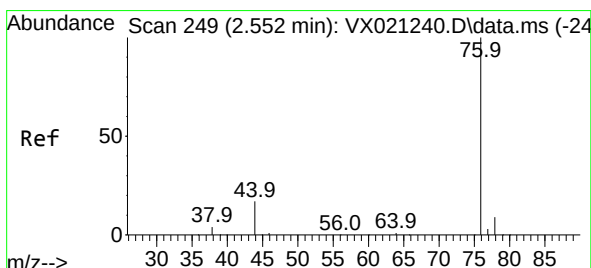
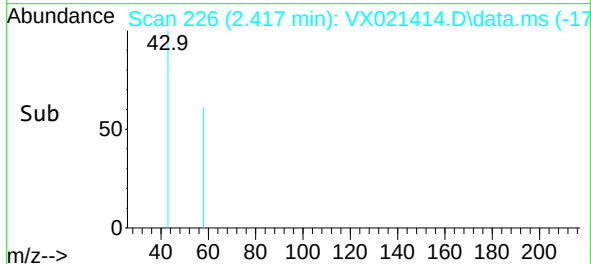
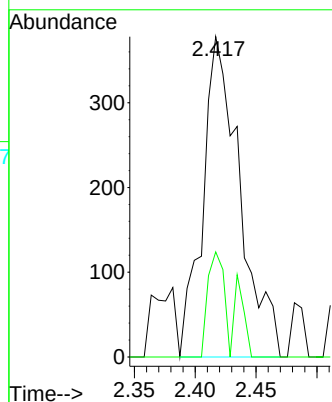
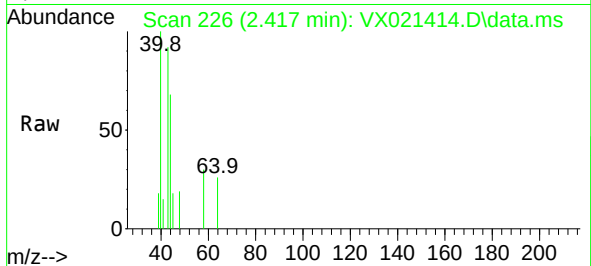




#16  
Acetone  
Concen: 1.79 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

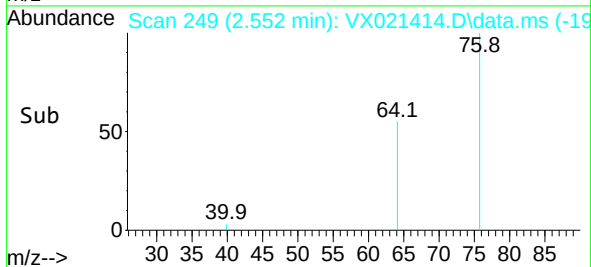
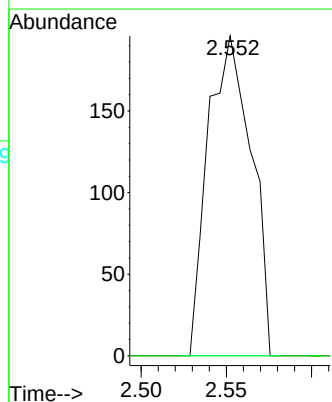
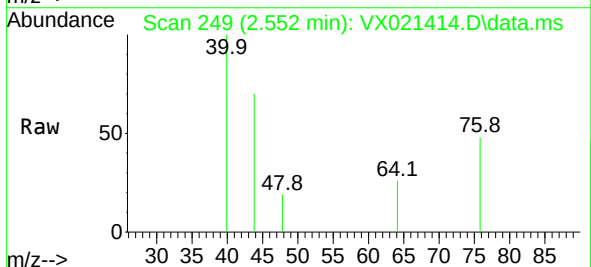
Instrument :  
MSVOA\_X  
ClientSampleId :  
30808

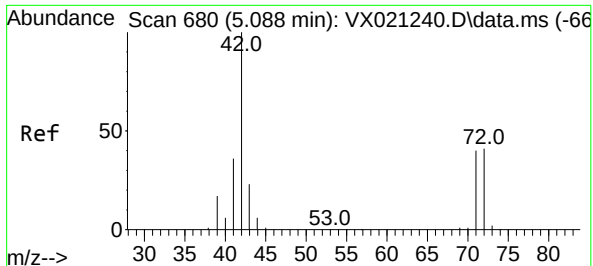
Tgt Ion: 43 Resp: 802  
Ion Ratio Lower Upper  
43 100  
58 32.8 27.8 41.8



#17  
Carbon Disulfide  
Concen: 0.69 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Tgt Ion: 76 Resp: 347  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.117 min Scan# 685

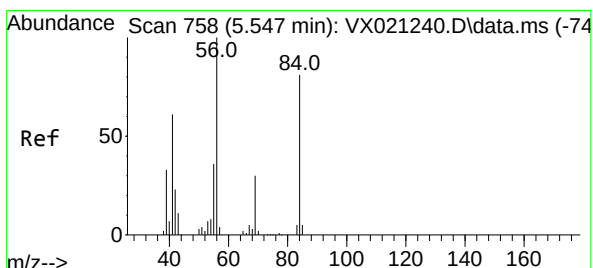
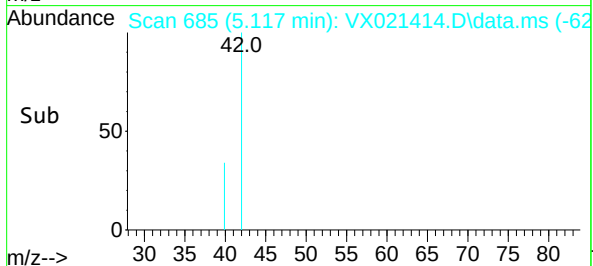
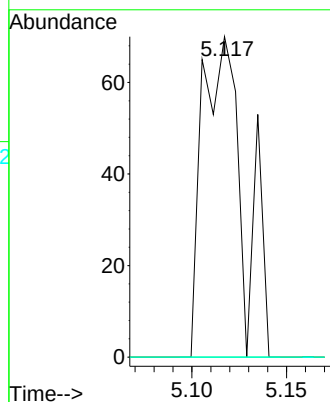
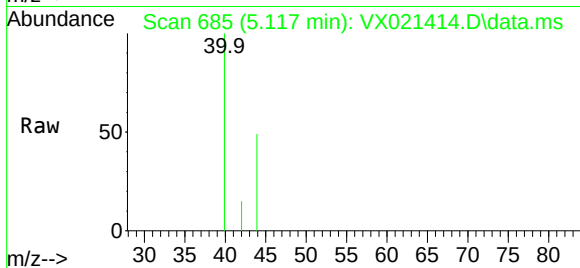
Delta R.T. 0.029 min

Lab File: VX021414.D

Acq: 24 Mar 2021 03:28

|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 106      |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 0.0 41.7 62.5# |
| 71          | 0.0 38.4 57.6# |

Instrument :  
MSVOA\_X  
ClientSampled :  
30808



#31

Cyclohexane

Concen: 1.44 ug/l

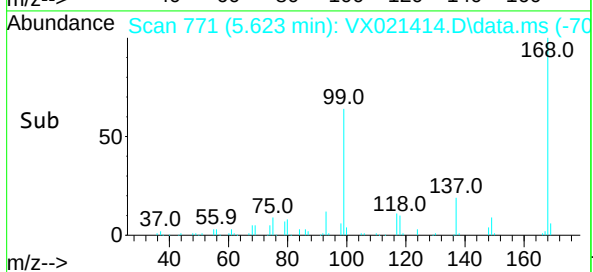
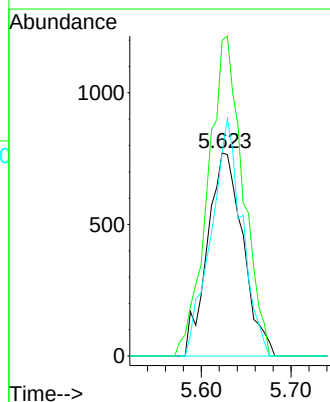
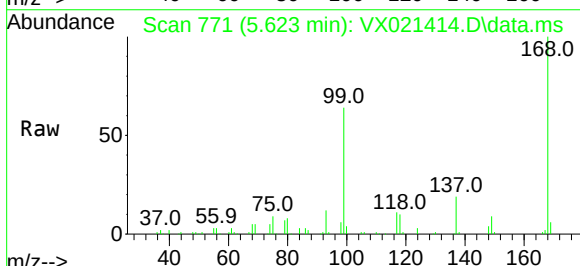
RT: 5.623 min Scan# 771

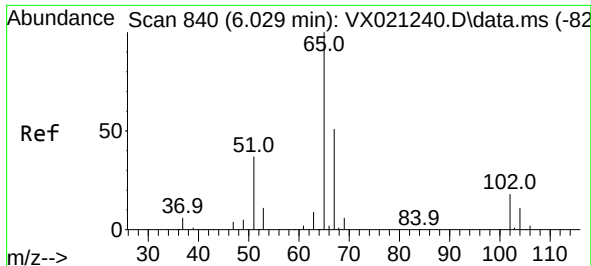
Delta R.T. 0.076 min

Lab File: VX021414.D

Acq: 24 Mar 2021 03:28

|             |                  |
|-------------|------------------|
| Tgt Ion: 56 | Resp: 2120       |
| Ion Ratio   | Lower Upper      |
| 56          | 100              |
| 69          | 155.3 25.3 37.9# |
| 84          | 100.3 71.4 107.0 |





#33

1,2-Dichloroethane-d4

Concen: 49.47 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021414.D

Acq: 24 Mar 2021 03:28

Tgt Ion: 65 Resp: 60267

Ion Ratio Lower Upper

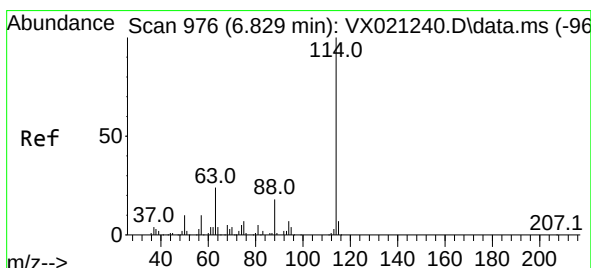
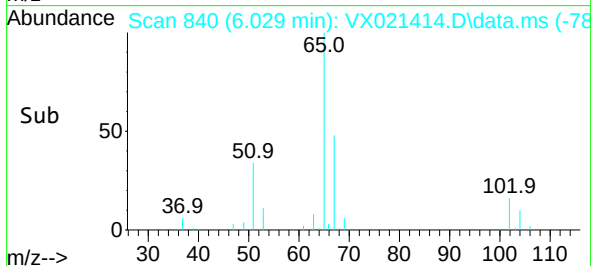
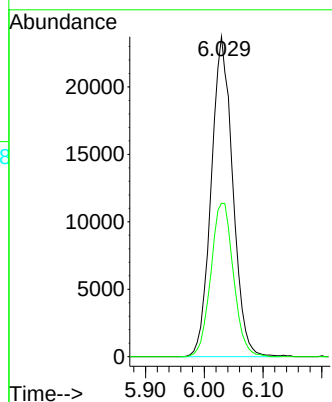
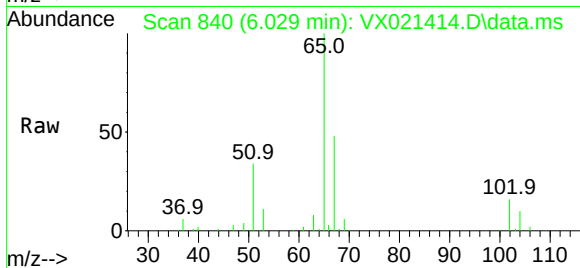
|    |      |     |       |
|----|------|-----|-------|
| 65 | 100  |     |       |
| 67 | 50.5 | 0.0 | 105.4 |

Instrument :

MSVOA\_X

ClientSampled :

30808



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

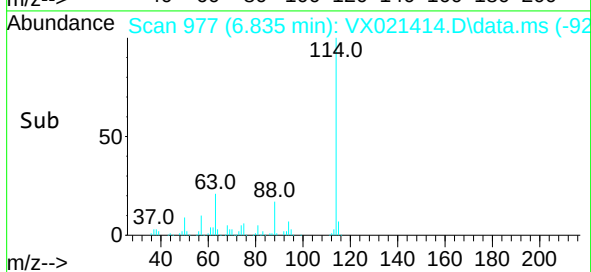
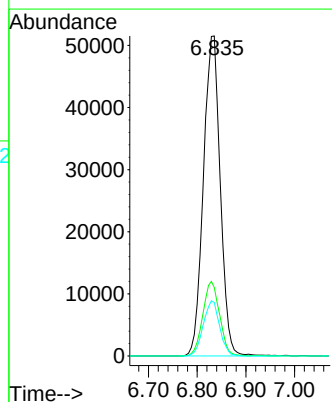
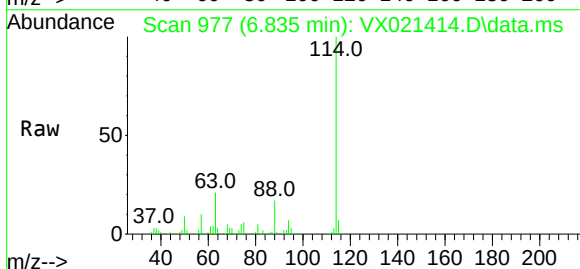
Lab File: VX021414.D

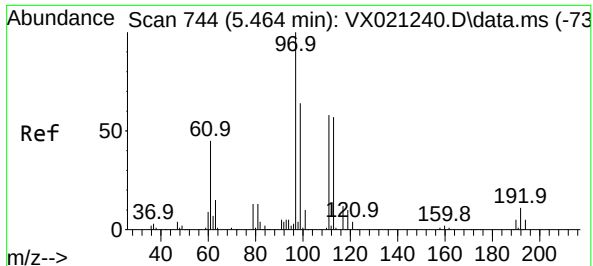
Acq: 24 Mar 2021 03:28

Tgt Ion: 114 Resp: 123687

Ion Ratio Lower Upper

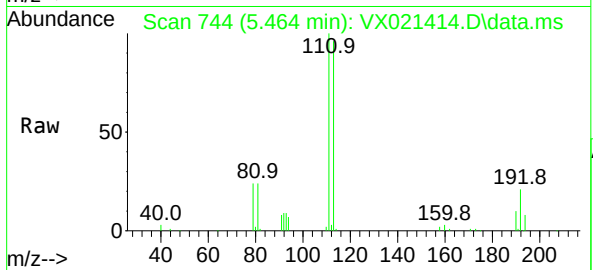
|     |      |     |      |
|-----|------|-----|------|
| 114 | 100  |     |      |
| 63  | 21.4 | 0.0 | 40.8 |
| 88  | 16.7 | 0.0 | 32.8 |



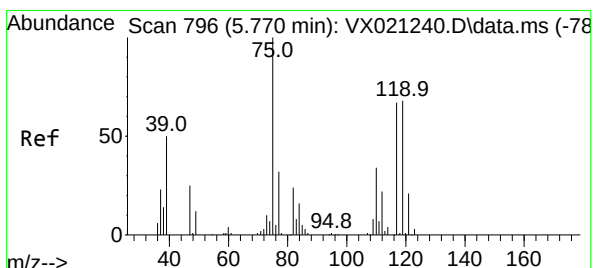
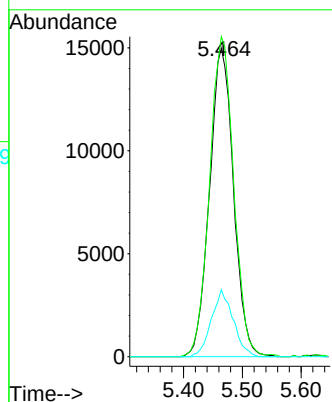
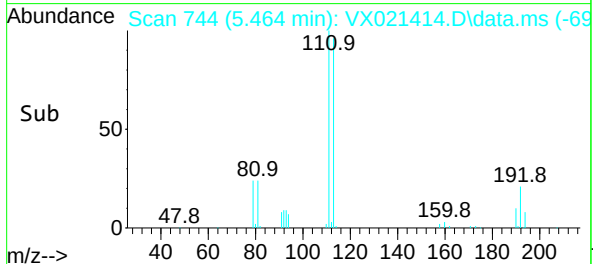


#35  
Dibromofluoromethane  
Concen: 50.43 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

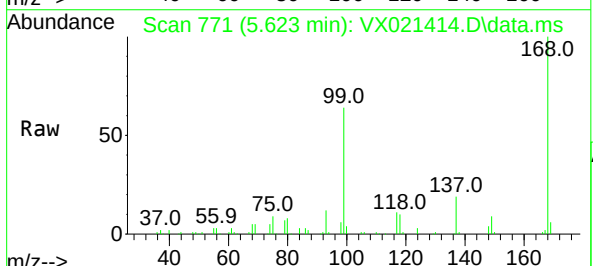
Instrument :  
MSVOA\_X  
ClientSampleId :  
30808



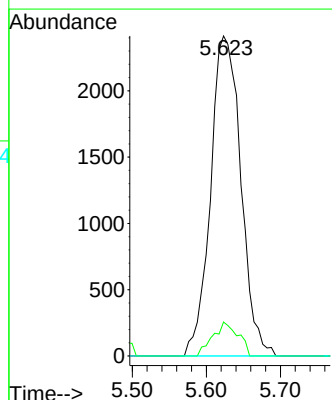
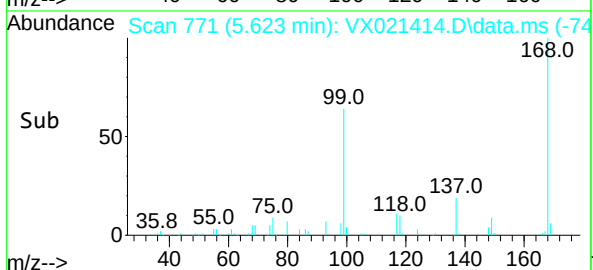
Tgt Ion:113 Resp: 42447  
Ion Ratio Lower Upper  
113 100  
111 104.3 81.9 122.9  
192 19.7 16.7 25.1



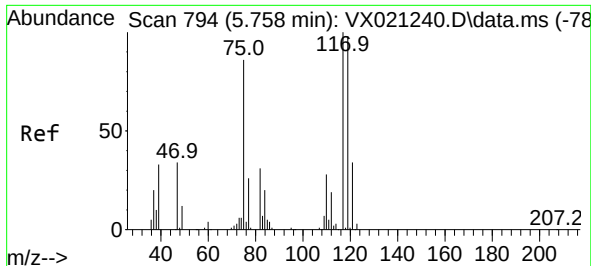
#36  
1,1-Dichloropropene  
Concen: 5.50 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.147 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28



Tgt Ion: 75 Resp: 6857  
Ion Ratio Lower Upper  
75 100  
110 8.9 18.1 54.4#  
77 0.0 25.3 37.9#

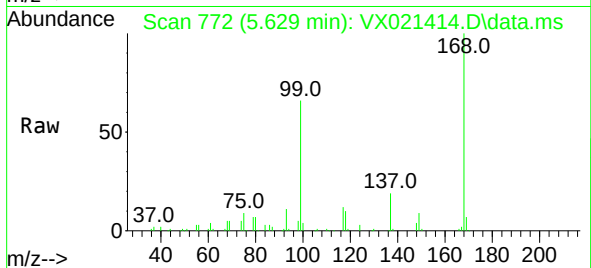




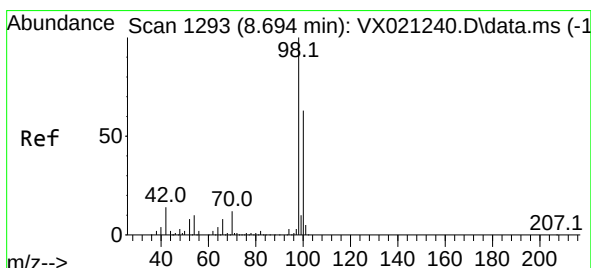
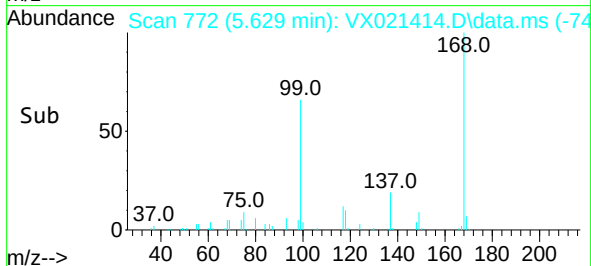
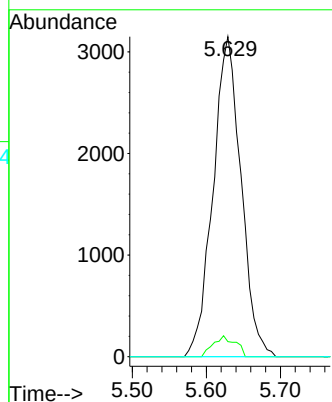


#38  
Carbon Tetrachloride  
Concen: 6.38 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.129 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
30808

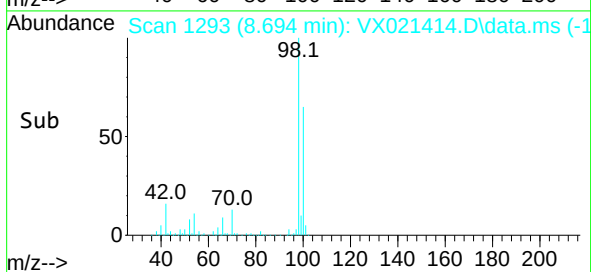
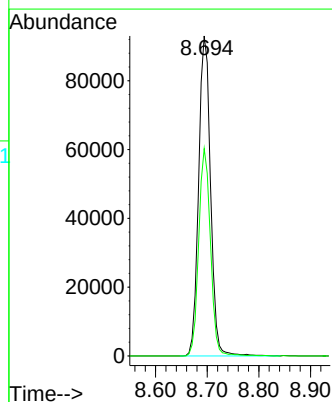
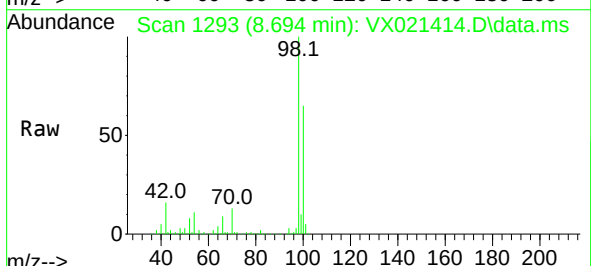


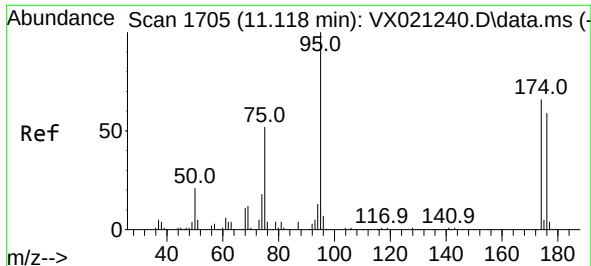
Tgt Ion:117 Resp: 8261  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.85 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Tgt Ion: 98 Resp: 149172  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.9 77.9

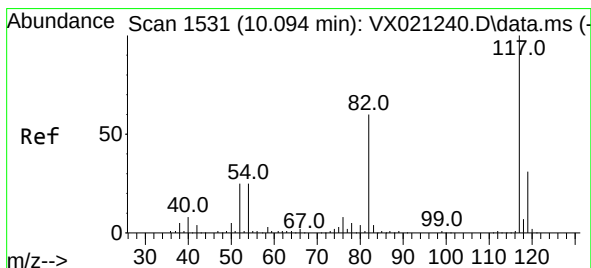
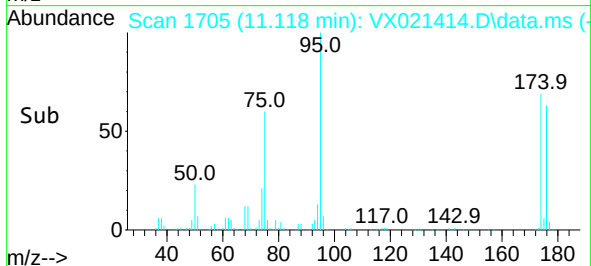
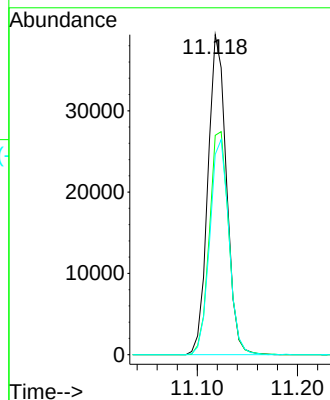
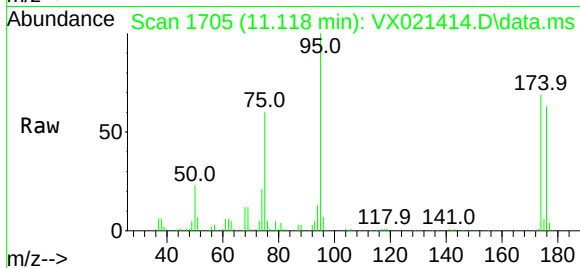




#62  
4-Bromofluorobenzene  
Concen: 42.65 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

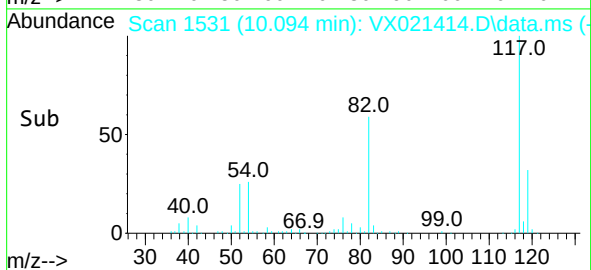
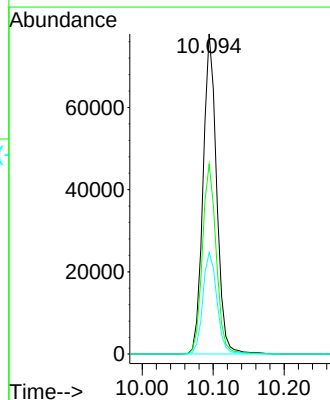
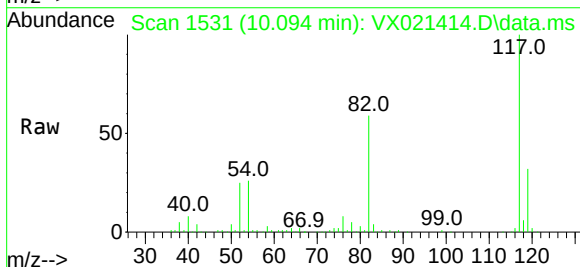
Instrument :  
MSVOA\_X  
ClientSampleId :  
30808

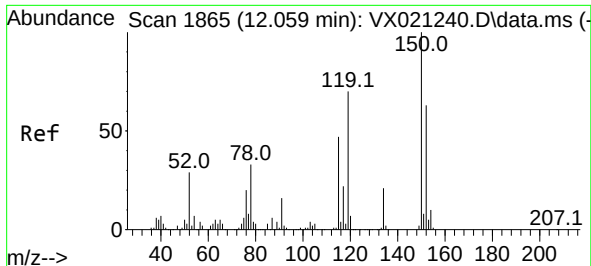
Tgt Ion: 95 Resp: 50585  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 154.6  
176 69.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021414.D  
Acq: 24 Mar 2021 03:28

Tgt Ion: 117 Resp: 103597  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.4 71.2  
119 31.7 26.6 39.8

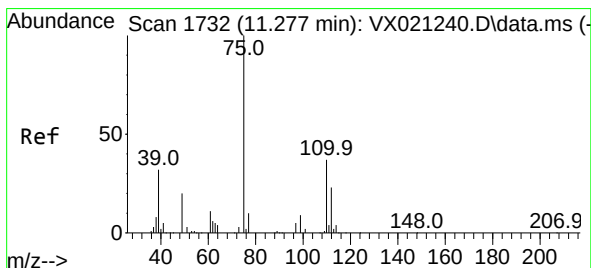
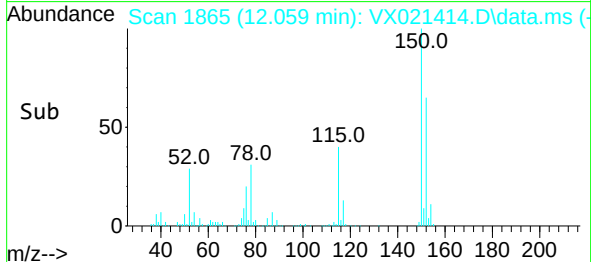
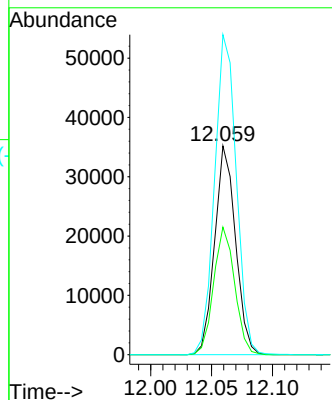
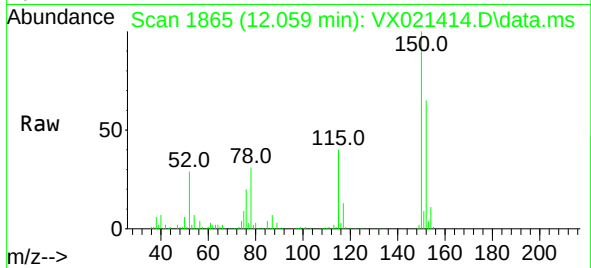




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.059 min Scan# 1865  
 Delta R.T. 0.000 min  
 Lab File: VX021414.D  
 Acq: 24 Mar 2021 03:28

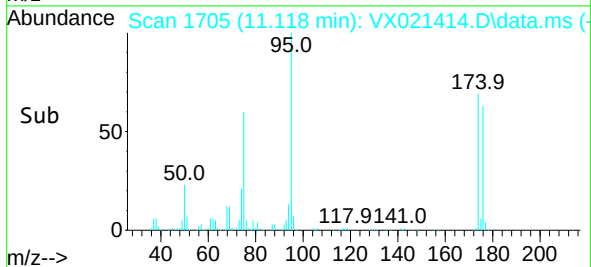
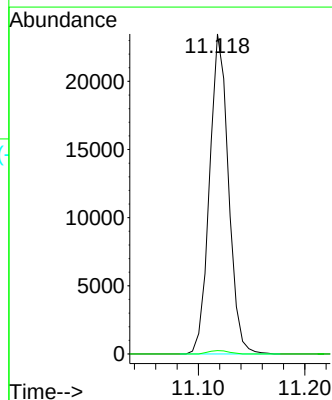
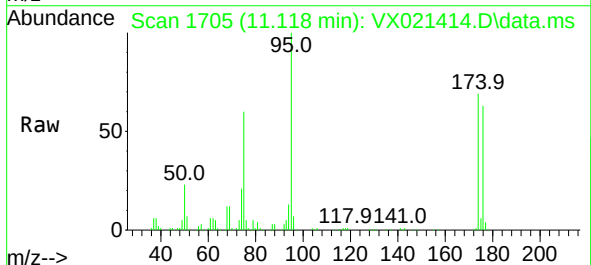
Instrument :  
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 ClientSampleId :  
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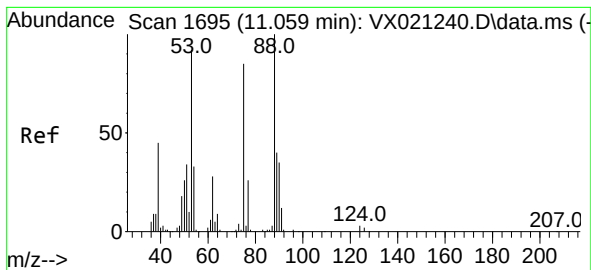
Tgt Ion:152 Resp: 42075  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 41.1 123.3  
 150 159.2 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 29.71 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021414.D  
 Acq: 24 Mar 2021 03:28

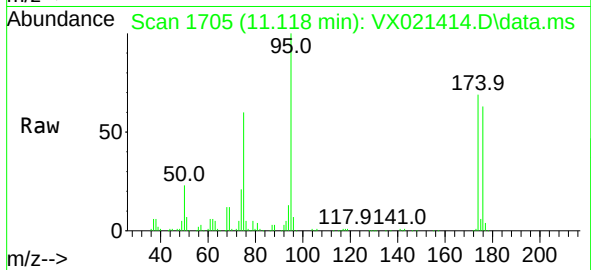
Tgt Ion: 75 Resp: 28996  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 80.66 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021414.D  
 Acq: 24 Mar 2021 03:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 30808



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

