

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032121\  
 Data File : VX021305.D  
 Acq On : 19 Mar 2021 16:26  
 Operator : JC/MD  
 Sample : M1718-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 20 06:33:33 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

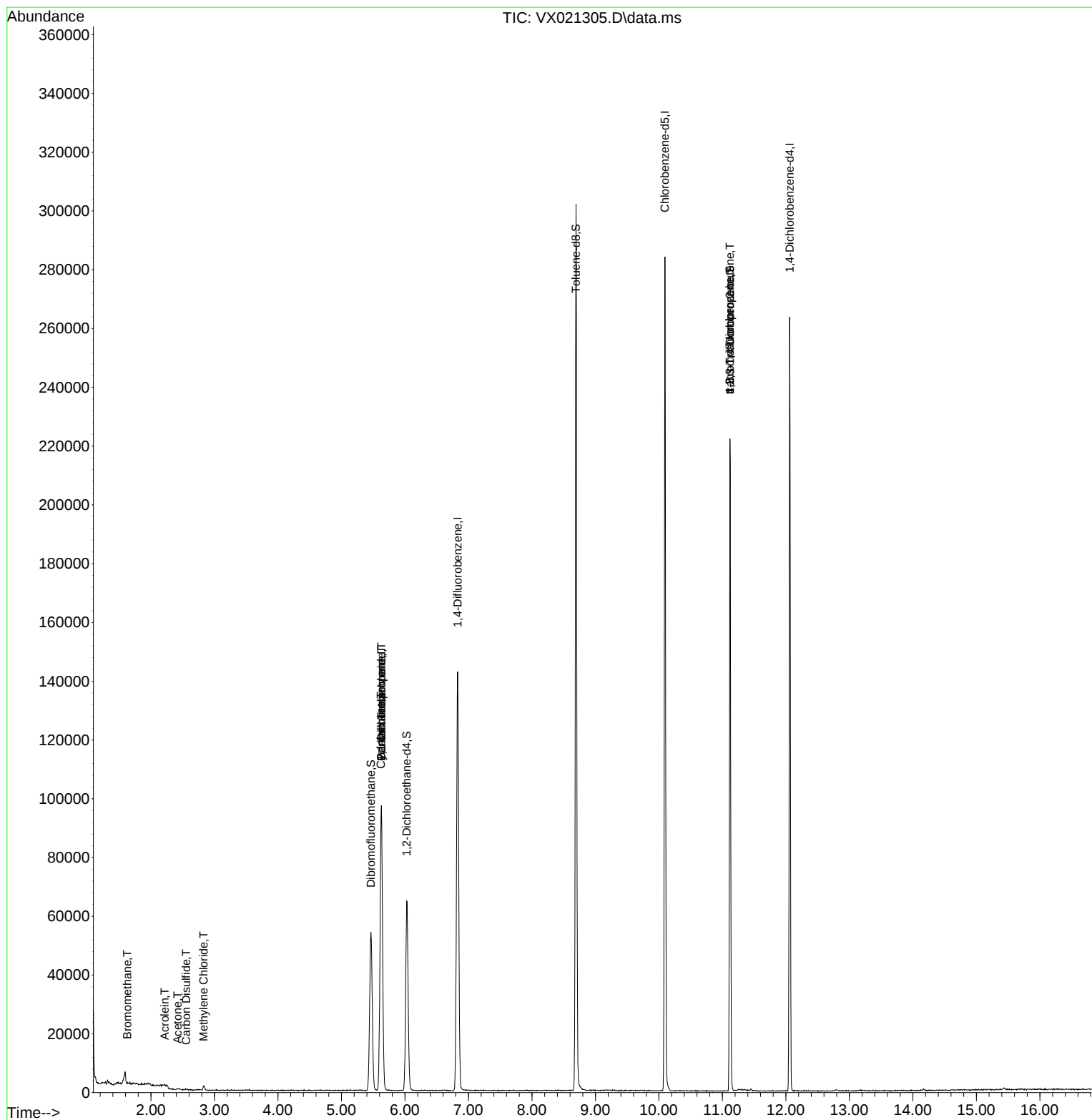
| Compound                      | R.T.   | QIon  | Response | Conc         | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|--------|----------|
| -----                         |        |       |          |              |        |          |
| Internal Standards            |        |       |          |              |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 82879    | 50.00        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 133890   | 50.00        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 116257   | 50.00        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 48119    | 50.00        | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029  | 65    | 63914    | 47.02        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery     | =      | 94.04%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 44983    | 49.37        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery     | =      | 98.74%   |
| 50) Toluene-d8                | 8.694  | 98    | 164160   | 49.66        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery     | =      | 99.32%   |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 57771    | 45.00        | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery     | =      | 90.00%   |
| Target Compounds              |        |       |          |              |        |          |
|                               |        |       |          |              | Qvalue |          |
| 3) Chloromethane              | 1.316  | 50    | 1767     | Below Cal    |        | 93       |
| 5) Bromomethane               | 1.628  | 94    | 173      | 0.39 ug/l #  |        | 53       |
| 13) Acrolein                  | 2.217  | 56    | 24       | 3.30 ug/l #  |        | 1        |
| 16) Acetone                   | 2.417  | 43    | 614      | 1.23 ug/l #  |        | 73       |
| 17) Carbon Disulfide          | 2.552  | 76    | 218      | 0.62 ug/l #  |        | 75       |
| 20) Methylene Chloride        | 2.828  | 84    | 542      | 0.53 ug/l #  |        | 77       |
| 31) Cyclohexane               | 5.623  | 56    | 2395     | 1.46 ug/l #  |        | 23       |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 7827     | 5.80 ug/l #  |        | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 9204     | 6.57 ug/l #  |        | 15       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 32819    | 29.40 ug/l # |        | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 32819    | 79.83 ug/l # |        | 12       |
| -----                         |        |       |          |              |        |          |

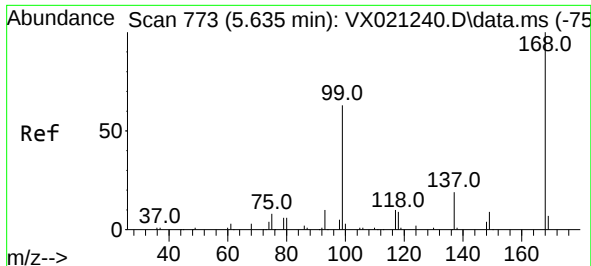
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 20 06:33:33 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

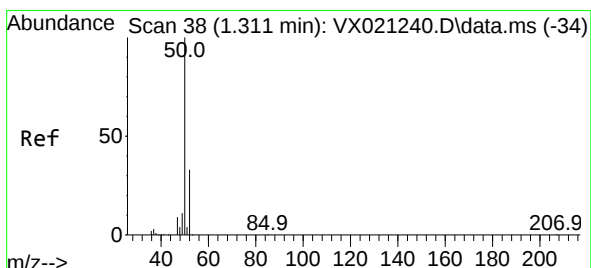
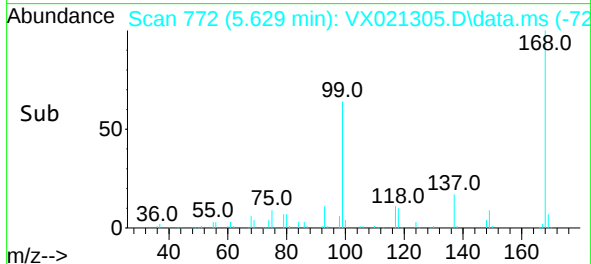
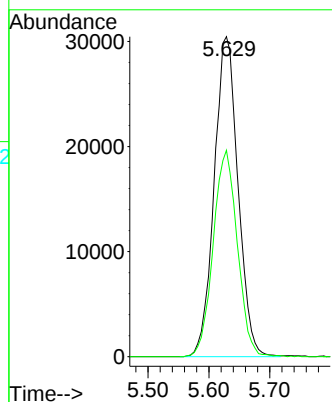
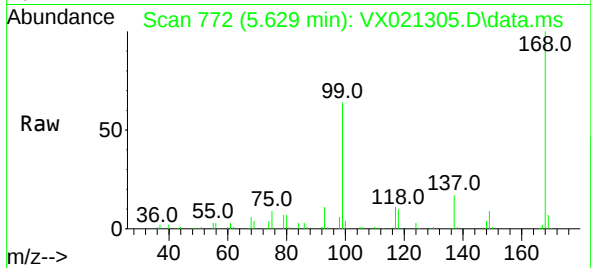




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

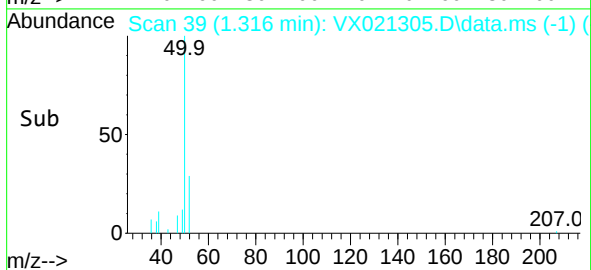
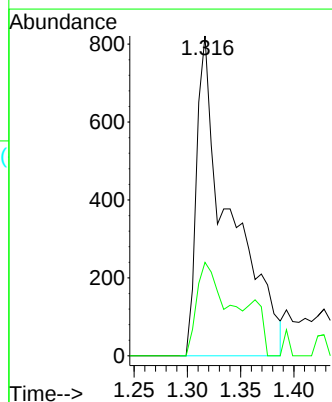
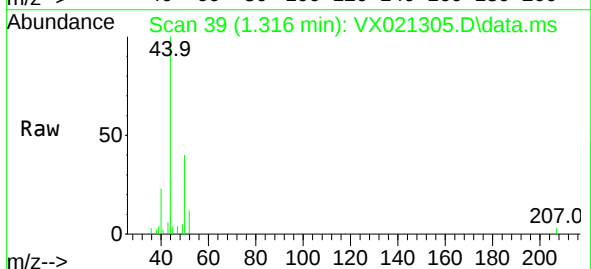
Instrument :  
MSVOA\_X  
ClientSampleId :

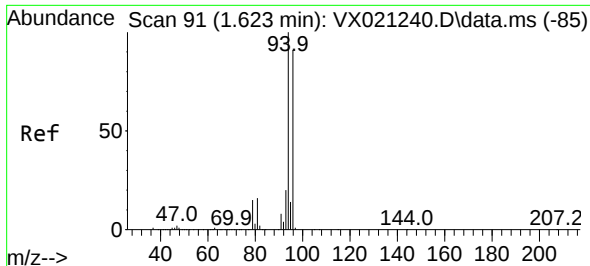
Tgt Ion:168 Resp: 82879  
Ion Ratio Lower Upper  
168 100  
99 64.5 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.316 min Scan# 39  
Delta R.T. 0.005 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Tgt Ion: 50 Resp: 1767  
Ion Ratio Lower Upper  
50 100  
52 29.2 26.4 39.6

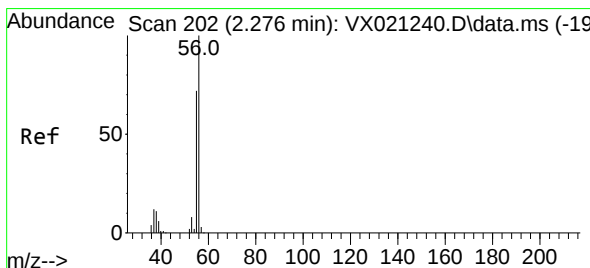
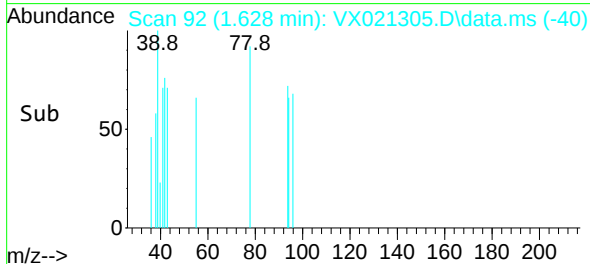
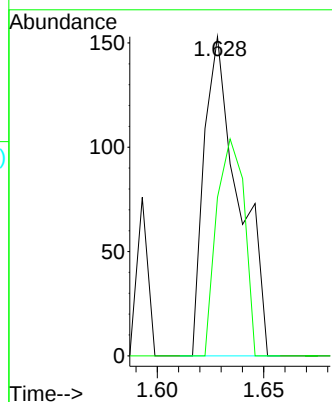
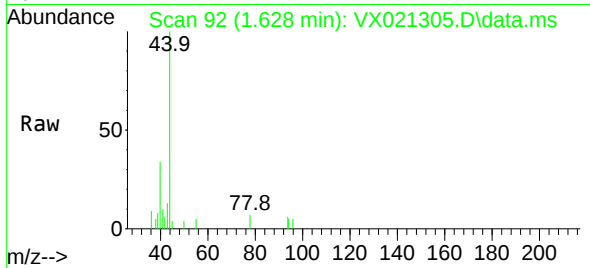




#5  
Bromomethane  
Concen: 0.39 ug/l  
RT: 1.628 min Scan# 92  
Delta R.T. 0.005 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

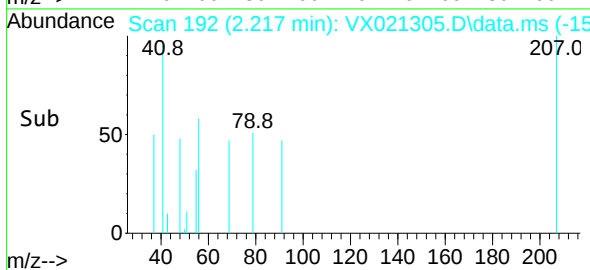
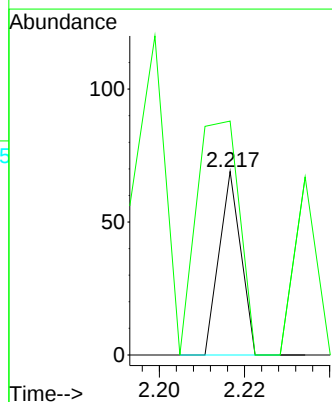
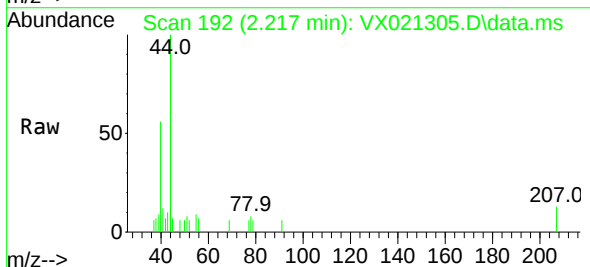
Instrument :  
MSVOA\_X  
ClientSampled :

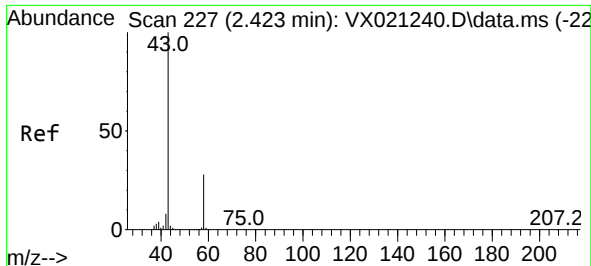
Tgt Ion: 94 Resp: 173  
Ion Ratio Lower Upper  
94 100  
96 49.7 76.4 114.6#



#13  
Acrolein  
Concen: 3.30 ug/l  
RT: 2.217 min Scan# 192  
Delta R.T. -0.059 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Tgt Ion: 56 Resp: 24  
Ion Ratio Lower Upper  
56 100  
55 254.2 56.4 84.6#

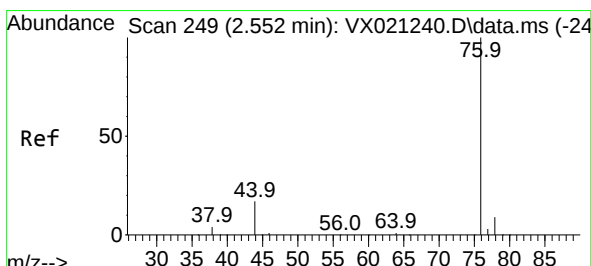
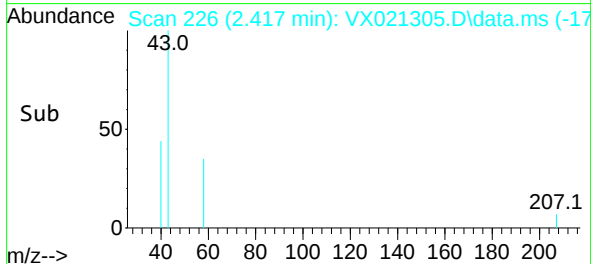
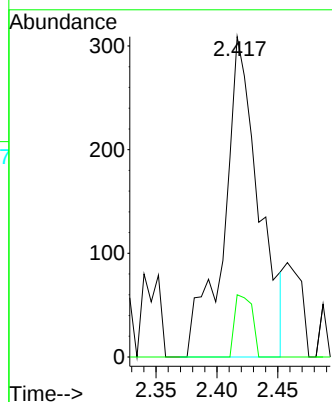
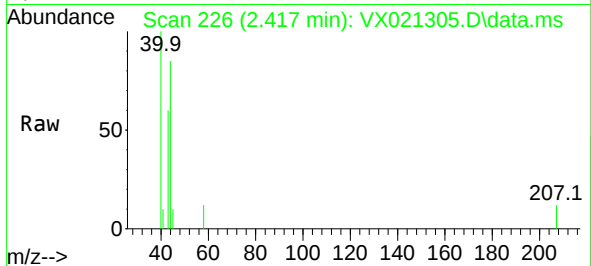




#16  
Acetone  
Concen: 1.23 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

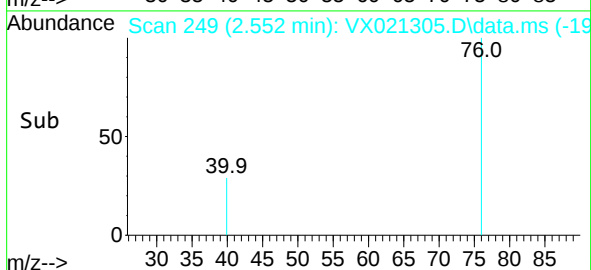
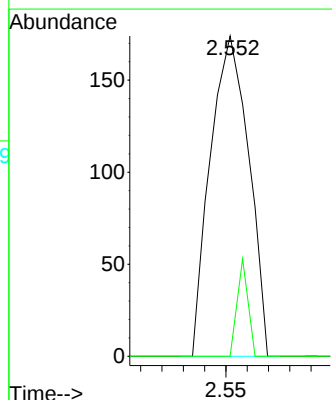
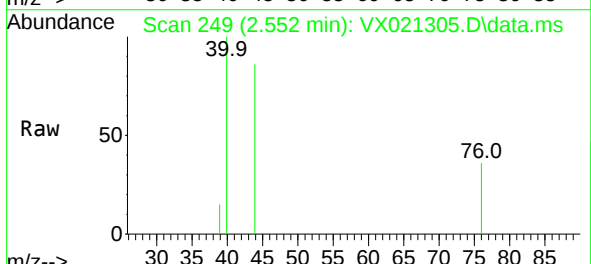
Instrument :  
MSVOA\_X  
ClientSampled :

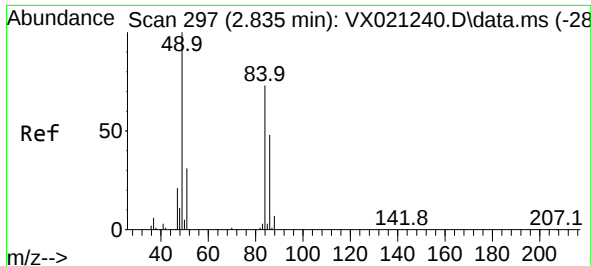
Tgt Ion: 43 Resp: 614  
Ion Ratio Lower Upper  
43 100  
58 19.4 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.62 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. -0.000 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

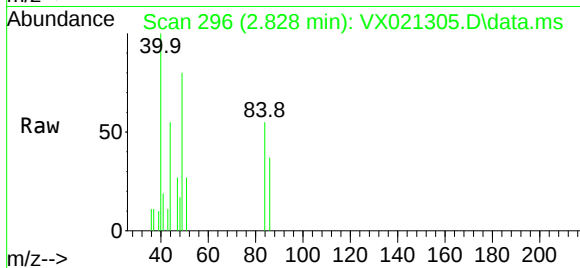
Tgt Ion: 76 Resp: 218  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





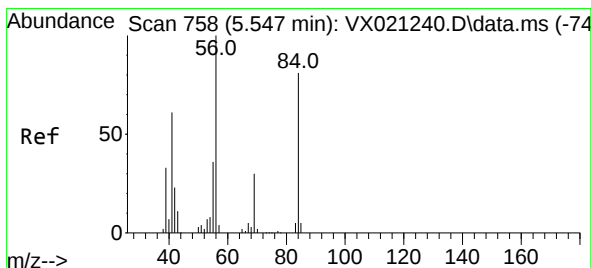
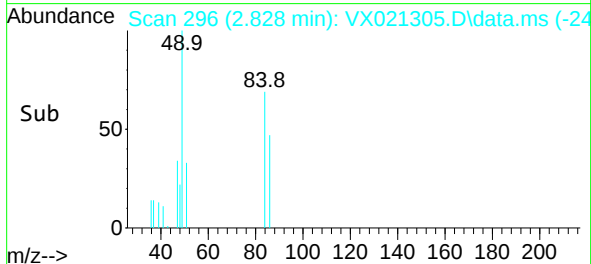
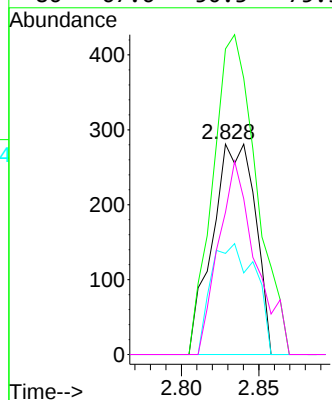
#20  
Methylene Chloride  
Concen: 0.53 ug/l  
RT: 2.828 min Scan# 296  
Delta R.T. -0.007 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 542

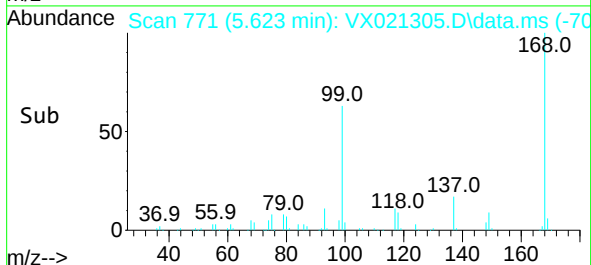
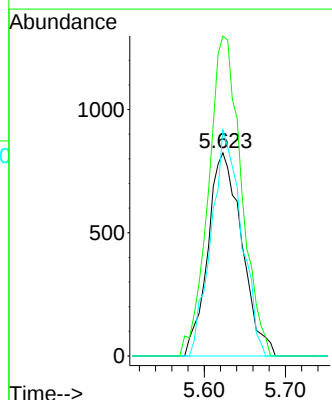
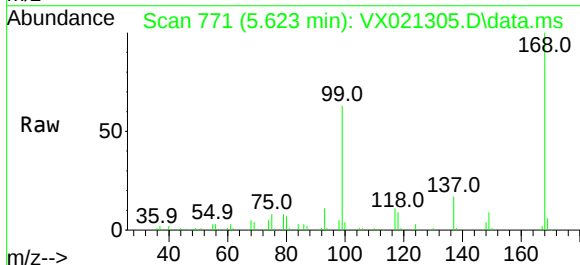
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 145.2 | 88.6  | 132.8# |
| 51  | 48.0  | 27.0  | 40.6#  |
| 86  | 67.6  | 50.3  | 75.5   |

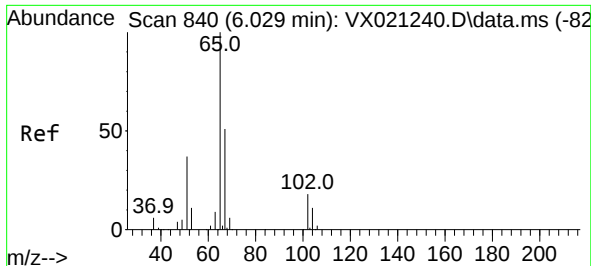


#31  
Cyclohexane  
Concen: 1.46 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Tgt Ion: 56 Resp: 2395

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 157.6 | 25.3  | 37.9#  |
| 84  | 111.4 | 71.4  | 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 47.02 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021305.D

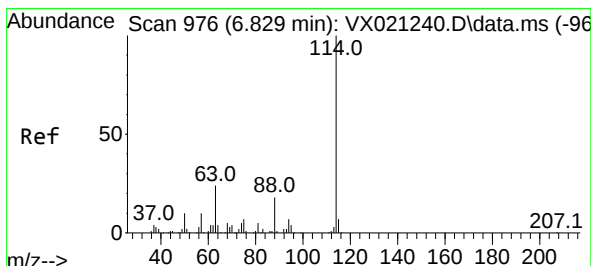
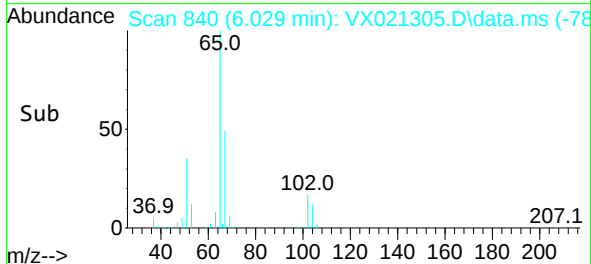
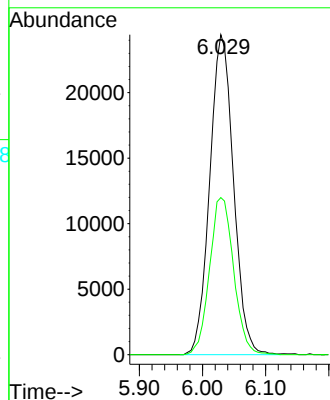
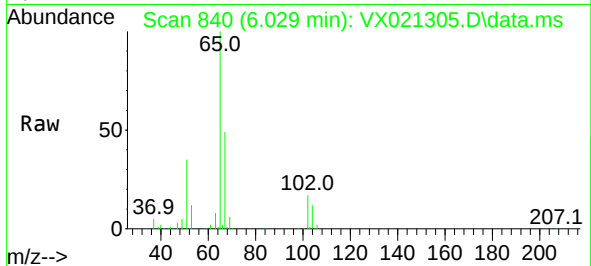
Acq: 19 Mar 2021 16:26

Tgt Ion: 65 Resp: 63914

Ion Ratio Lower Upper

65 100

67 49.8 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: VX021305.D

Acq: 19 Mar 2021 16:26

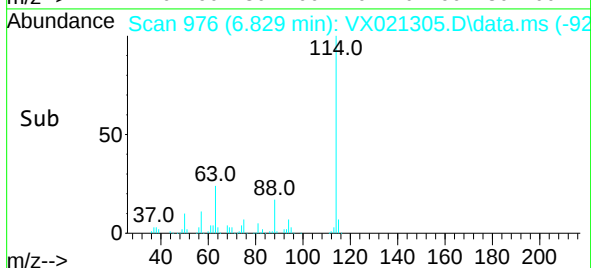
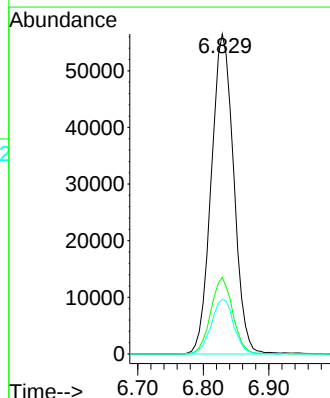
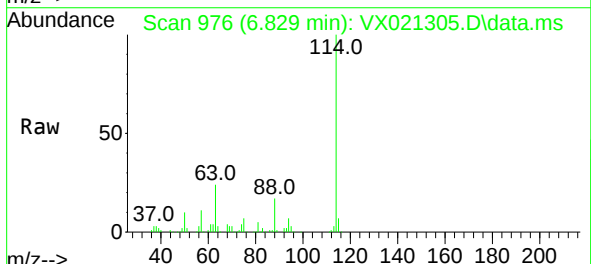
Tgt Ion: 114 Resp: 133890

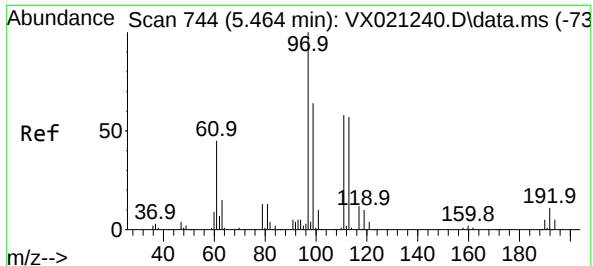
Ion Ratio Lower Upper

114 100

63 23.9 0.0 40.8

88 17.0 0.0 32.8

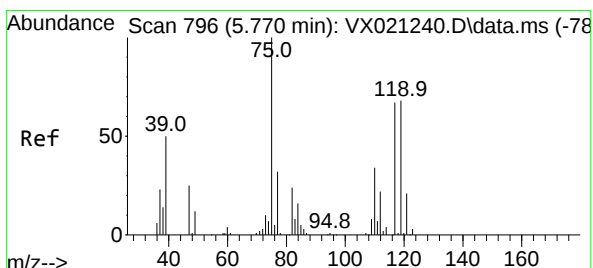
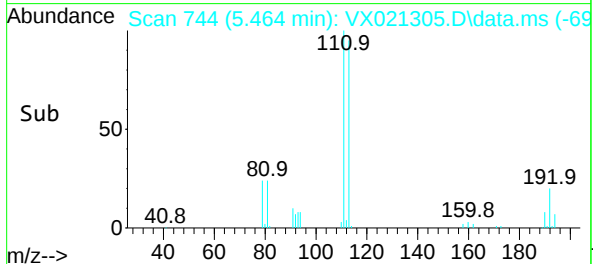
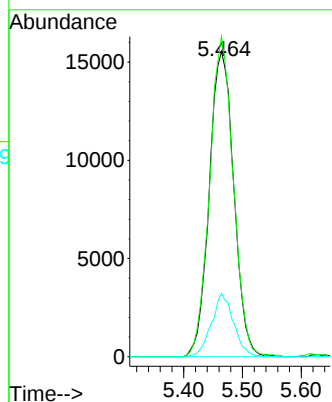
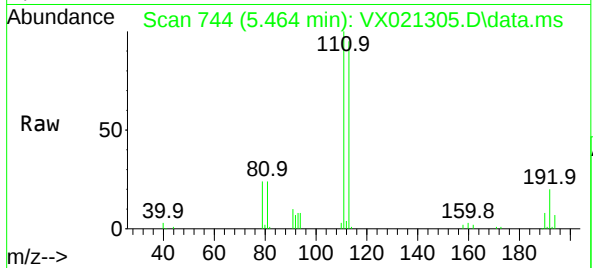




#35  
Dibromofluoromethane  
Concen: 49.37 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

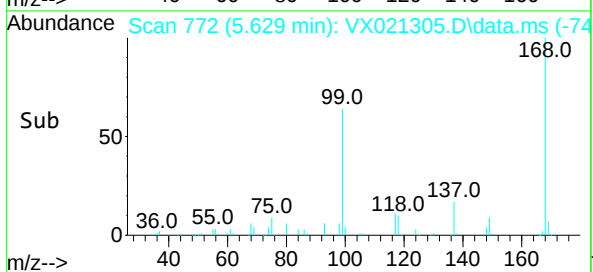
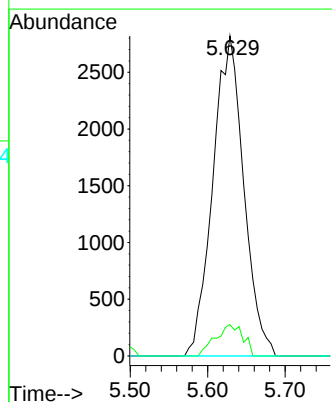
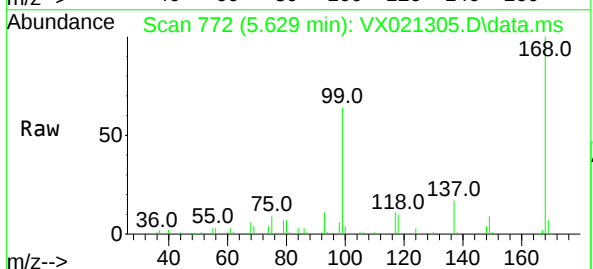
Instrument :  
MSVOA\_X  
ClientSampled :

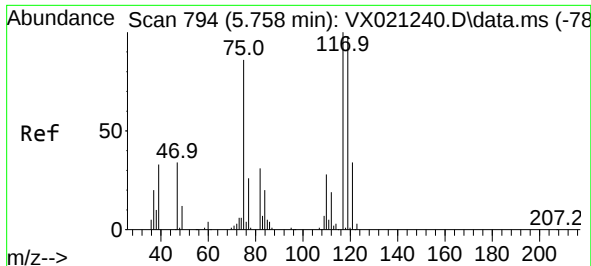
Tgt Ion:113 Resp: 44983  
Ion Ratio Lower Upper  
113 100  
111 101.6 81.9 122.9  
192 18.7 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.80 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.141 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

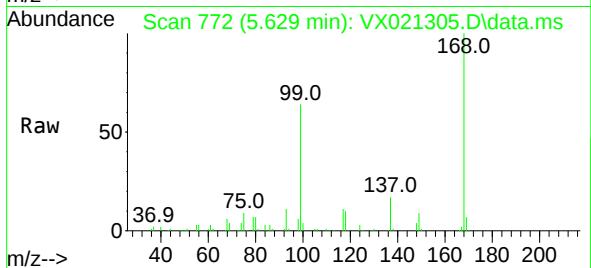
Tgt Ion: 75 Resp: 7827  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.1 54.4#  
77 0.0 25.3 37.9#



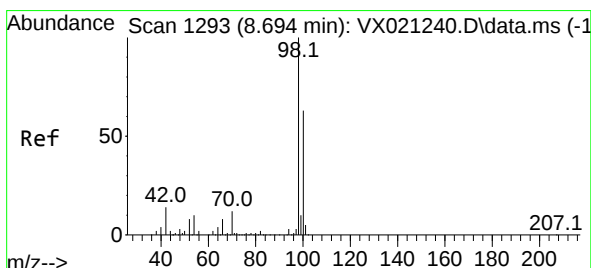
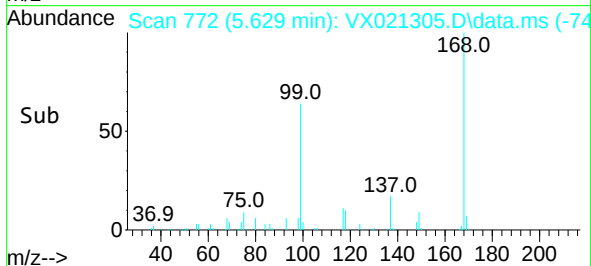
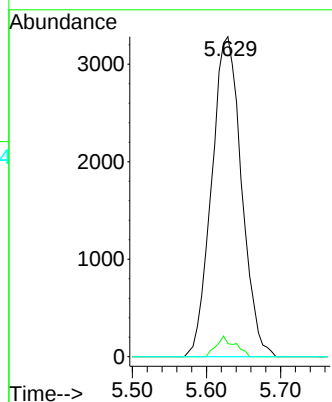


#38  
Carbon Tetrachloride  
Concen: 6.57 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.129 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Instrument :  
MSVOA\_X  
ClientSampleId :

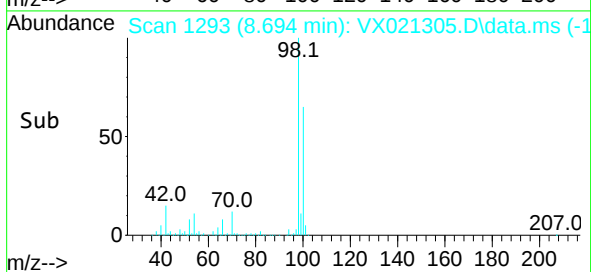
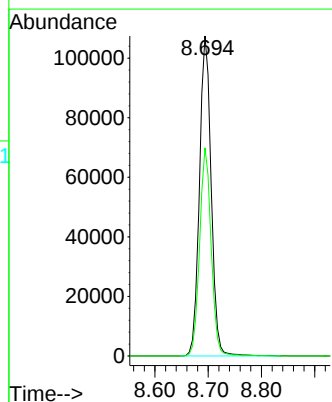
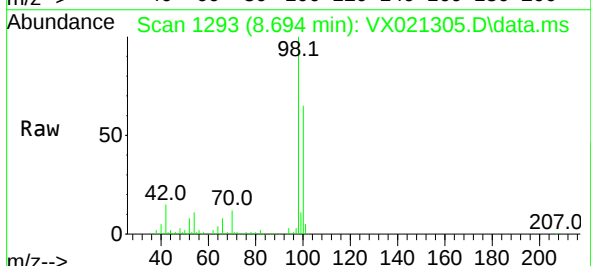


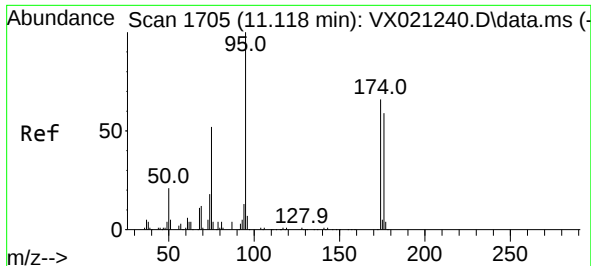
Tgt Ion:117 Resp: 9204  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.66 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Tgt Ion: 98 Resp: 164160  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.9 77.9

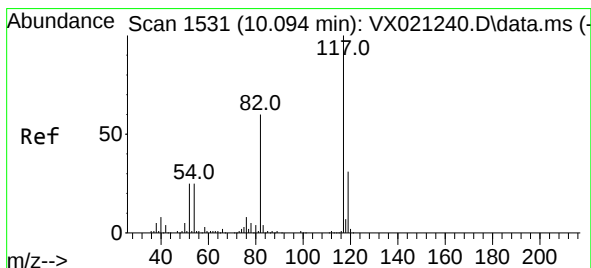
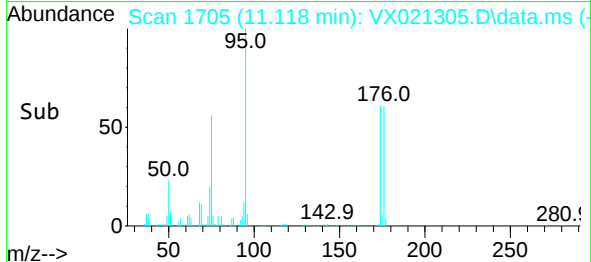
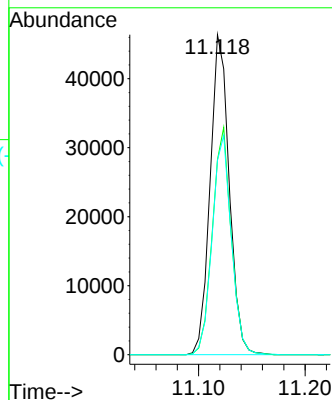
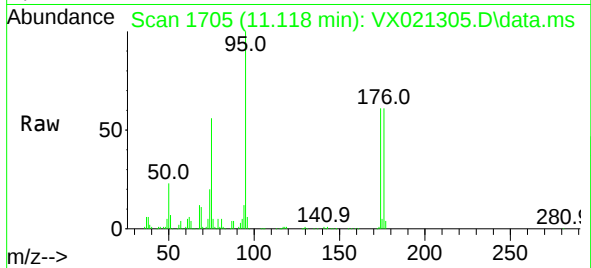




#62  
4-Bromofluorobenzene  
Concen: 45.00 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

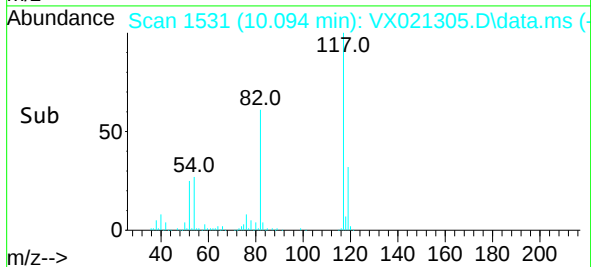
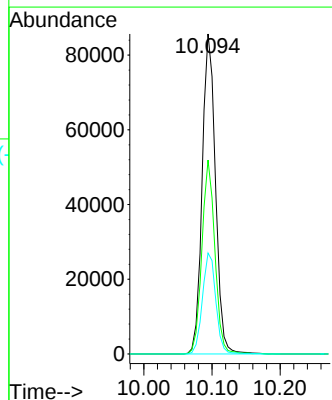
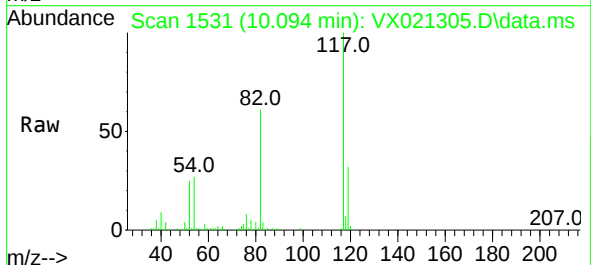
Instrument :  
MSVOA\_X  
ClientSampleId :

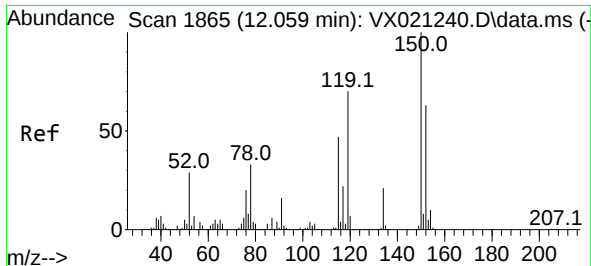
Tgt Ion: 95 Resp: 57771  
Ion Ratio Lower Upper  
95 100  
174 69.9 0.0 154.6  
176 68.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021305.D  
Acq: 19 Mar 2021 16:26

Tgt Ion: 117 Resp: 116257  
Ion Ratio Lower Upper  
117 100  
82 60.6 47.4 71.2  
119 31.6 26.6 39.8

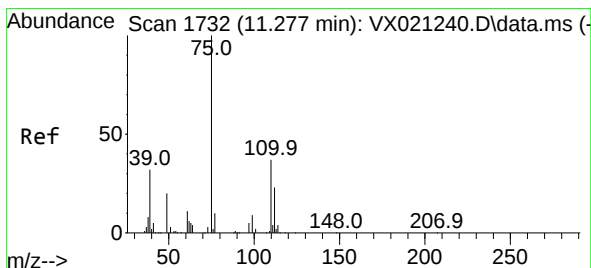
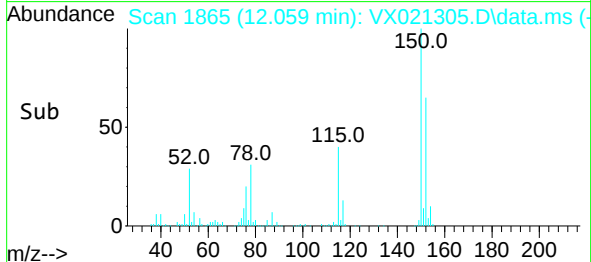
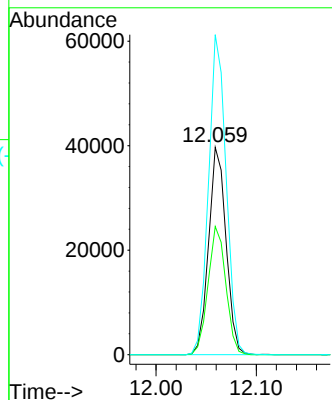
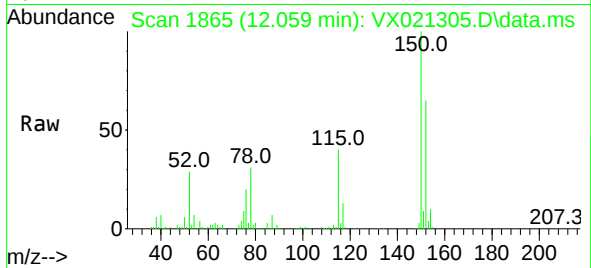




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.059 min Scan# 1865  
 Delta R.T. 0.000 min  
 Lab File: VX021305.D  
 Acq: 19 Mar 2021 16:26

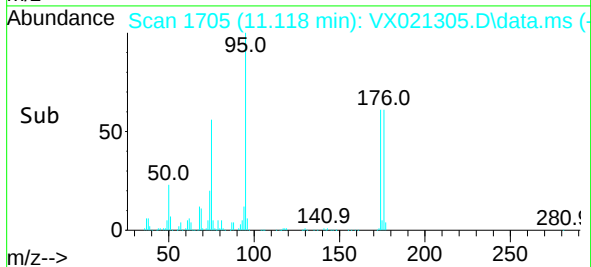
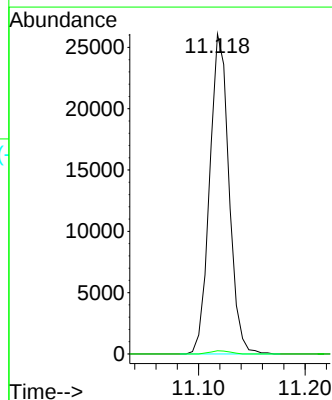
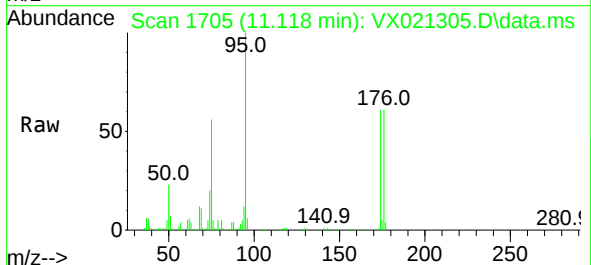
Instrument :  
 MSVOA\_X  
 ClientSampleId :

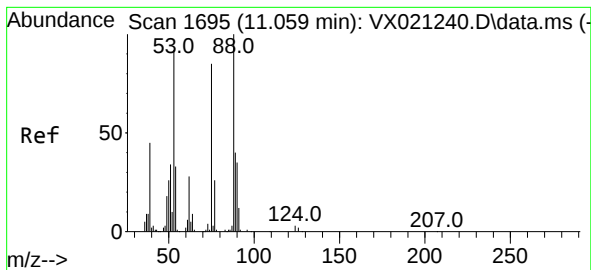
Tgt Ion:152 Resp: 48119  
 Ion Ratio Lower Upper  
 152 100  
 115 62.9 41.1 123.3  
 150 155.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 29.40 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021305.D  
 Acq: 19 Mar 2021 16:26

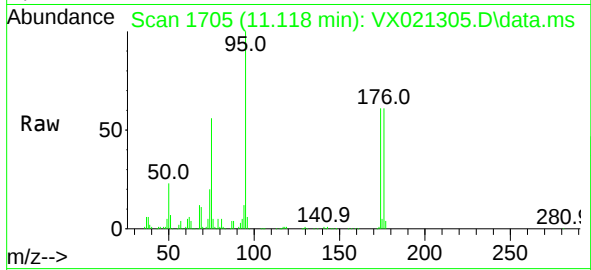
Tgt Ion: 75 Resp: 32819  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 79.83 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021305.D  
 Acq: 19 Mar 2021 16:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 32819  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.1 37.9 56.9#

