

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030521\  
 Data File : VX020997.D  
 Acq On : 03 Mar 2021 14:44  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

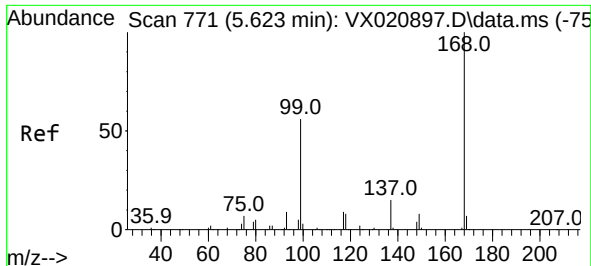
Quant Time: Mar 04 01:04:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc       | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|------------|--------|----------|
| -----                         |                |      |            |            |        |          |
| Internal Standards            |                |      |            |            |        |          |
| 1) Pentafluorobenzene         | 5.623          | 168  | 234710     | 50.00      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.823          | 114  | 429617     | 50.00      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 412835     | 50.00      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.065         | 152  | 185246     | 50.00      | ug/l   | 0.00     |
|                               |                |      |            |            |        |          |
| System Monitoring Compounds   |                |      |            |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.023          | 65   | 156496     | 49.36      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 98.72%     |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 135606     | 51.95      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 103.90%    |        |          |
| 50) Toluene-d8                | 8.694          | 98   | 539032     | 52.96      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 105.92%    |        |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 191112     | 50.78      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 101.56%    |        |          |
|                               |                |      |            |            |        |          |
| Target Compounds              |                |      |            |            | Qvalue |          |
| 5) Bromomethane               | 1.628          | 94   | 457        | Below Cal  | #      | 60       |
| 10) Methyl Iodide             | 2.493          | 142  | 763        | 0.22 ug/l  | #      | 95       |
| 11) Tert butyl alcohol        | 2.999          | 59   | 315        | 0.45 ug/l  | #      | 73       |
| 12) 1,1-Dichloroethene        | 2.352          | 96   | 533        | 0.20 ug/l  | #      | 58       |
| 13) Acrolein                  | 2.270          | 56   | 95         | 0.22 ug/l  | #      | 14       |
| 16) Acetone                   | 2.417          | 43   | 1026       | 0.79 ug/l  |        | 96       |
| 20) Methylene Chloride        | 2.834          | 84   | 1003       | 0.32 ug/l  |        | 90       |
| 31) Cyclohexane               | 5.623          | 56   | 4659       | 1.01 ug/l  | #      | 1        |
| 36) 1,1-Dichloropropene       | 5.617          | 75   | 18138      | 4.44 ug/l  | #      | 48       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 22126      | 5.59 ug/l  | #      | 16       |
| 49) 1,4-Dioxane               | 7.717          | 88   | 19         | 0.25 ug/l  | #      | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.694          | 43   | 2171       | 0.56 ug/l  | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 91936      | 23.07 ug/l | #      | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 91936      | 51.08 ug/l | #      | 12       |
| -----                         |                |      |            |            |        |          |

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

Quant Time: Mar 04 01:04:10 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

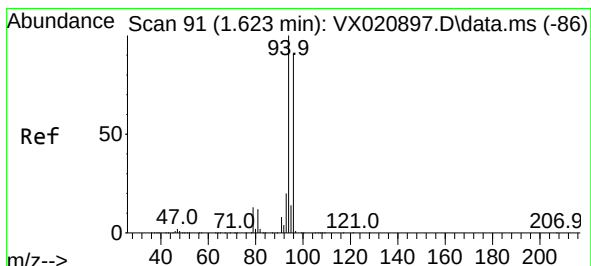
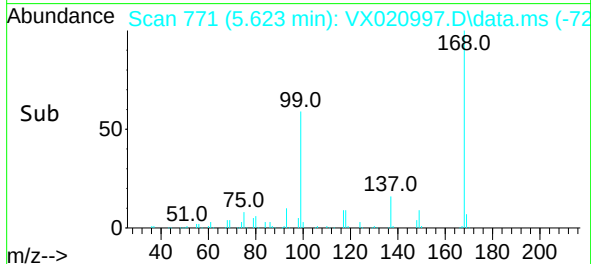
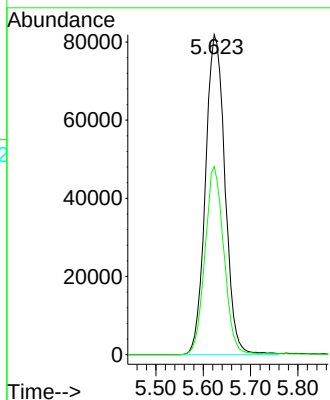
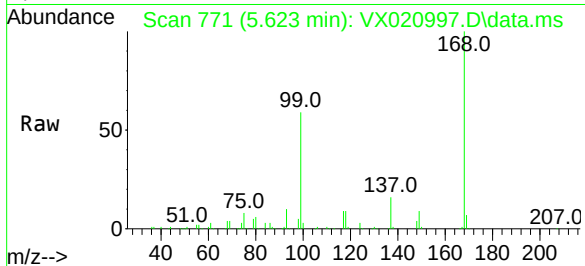




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

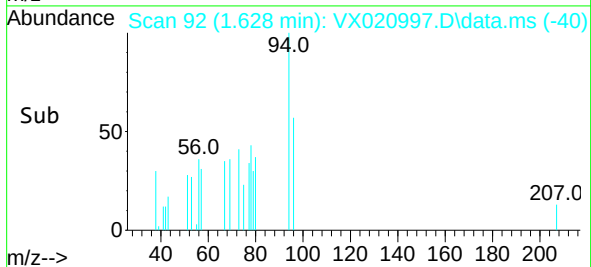
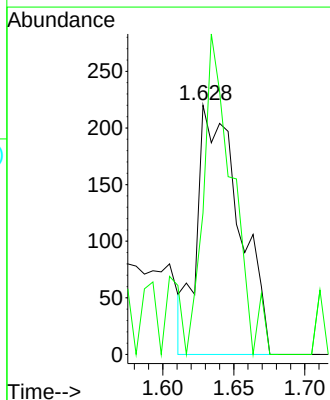
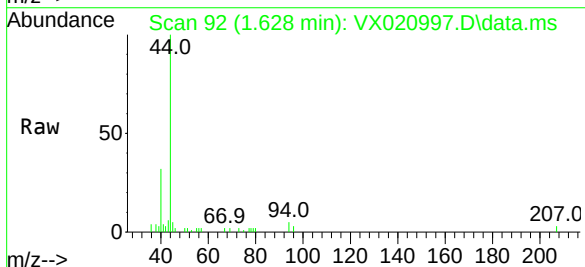
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

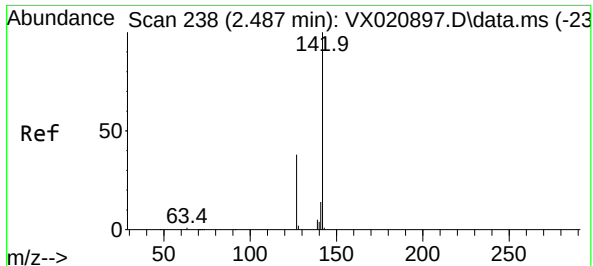
Tgt Ion:168 Resp: 234710  
Ion Ratio Lower Upper  
168 100  
99 58.8 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.628 min Scan# 92  
Delta R.T. 0.005 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 94 Resp: 457  
Ion Ratio Lower Upper  
94 100  
96 56.8 76.4 114.6#

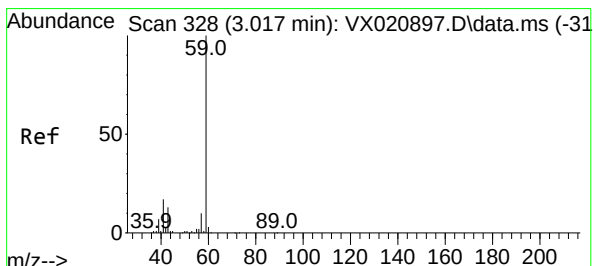
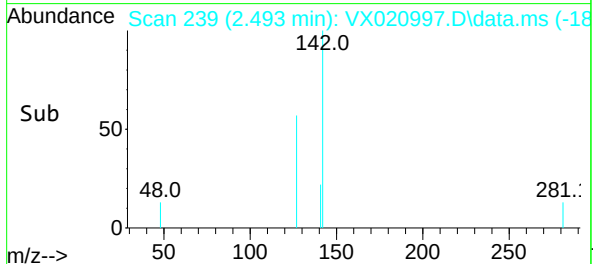
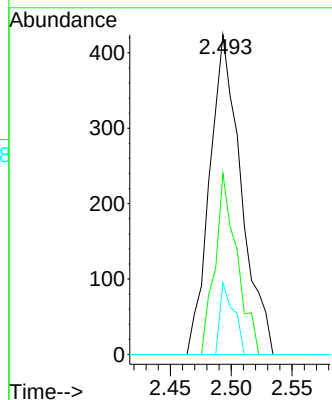
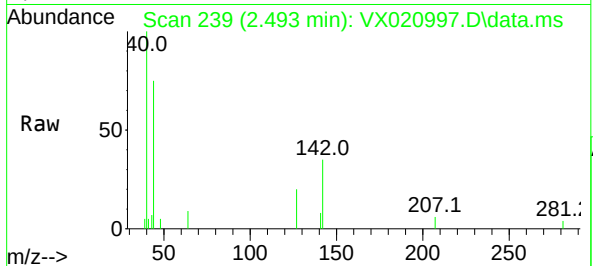




#10  
Methyl Iodide  
Concen: 0.22 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

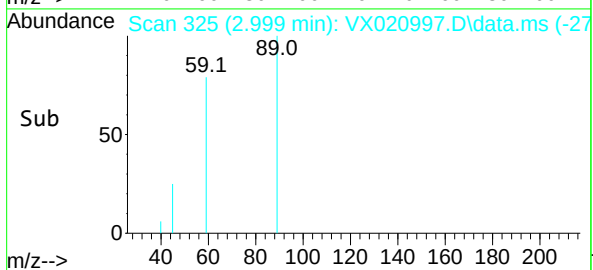
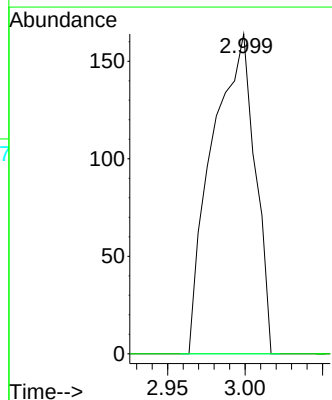
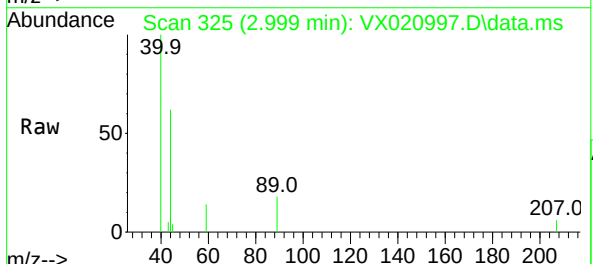
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

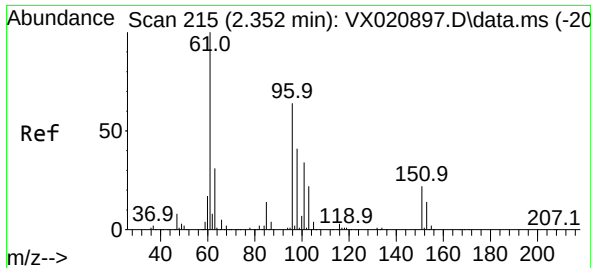
Tgt Ion:142 Resp: 763  
Ion Ratio Lower Upper  
142 100  
127 39.3 33.3 49.9  
141 9.8 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.45 ug/l  
RT: 2.999 min Scan# 325  
Delta R.T. -0.018 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 59 Resp: 315  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

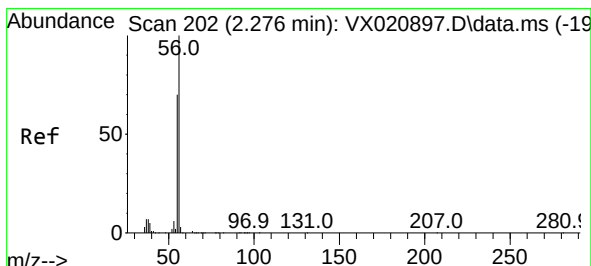
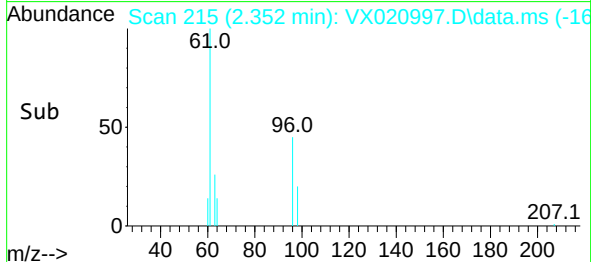
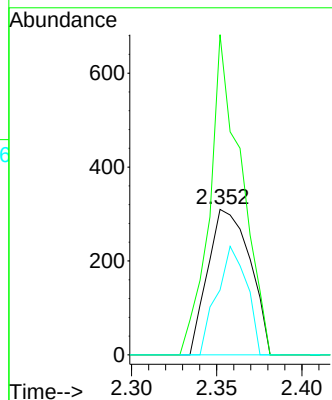
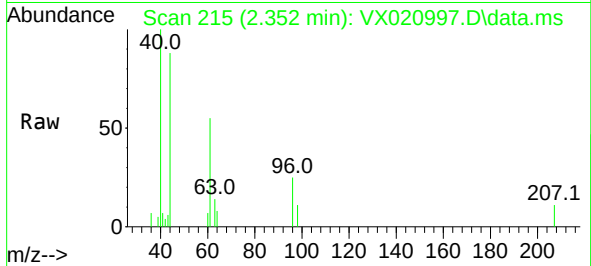




#12  
1,1-Dichloroethene  
Concen: 0.20 ug/l  
RT: 2.352 min Scan# 215  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

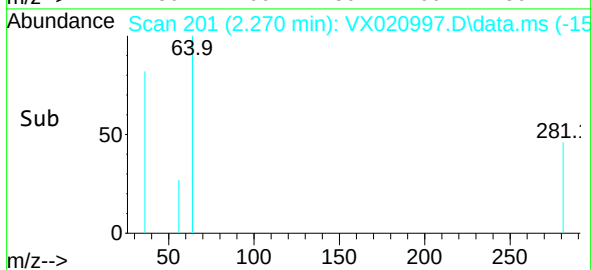
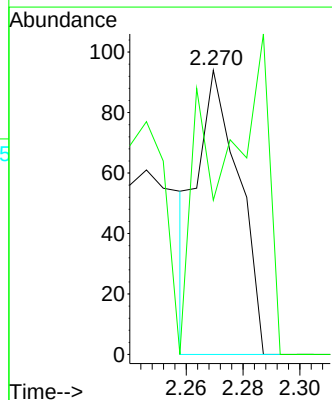
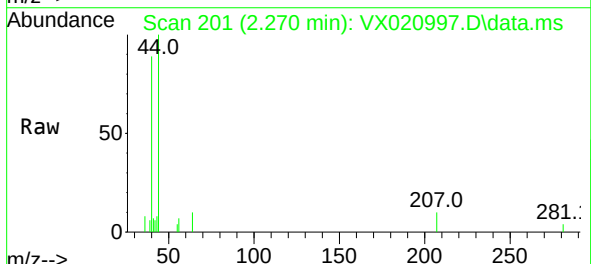
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

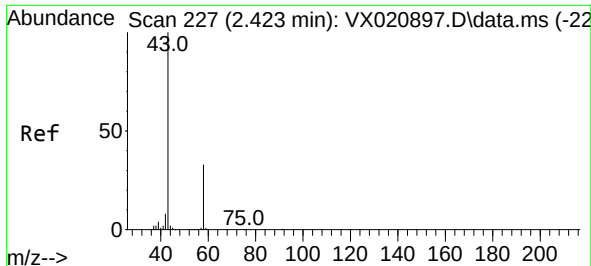
Tgt Ion: 96 Resp: 533  
Ion Ratio Lower Upper  
96 100  
61 220.0 124.6 187.0#  
98 44.5 50.6 76.0#



#13  
Acrolein  
Concen: 0.22 ug/l  
RT: 2.270 min Scan# 201  
Delta R.T. -0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 56 Resp: 95  
Ion Ratio Lower Upper  
56 100  
55 141.1 56.4 84.6#

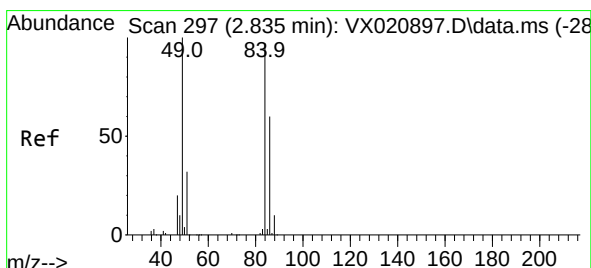
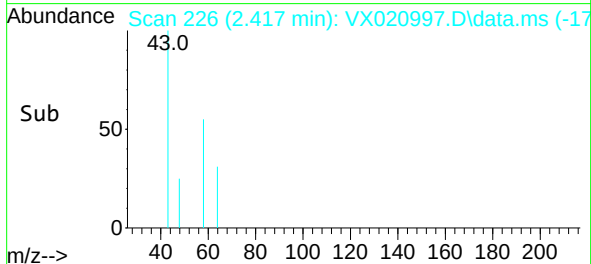
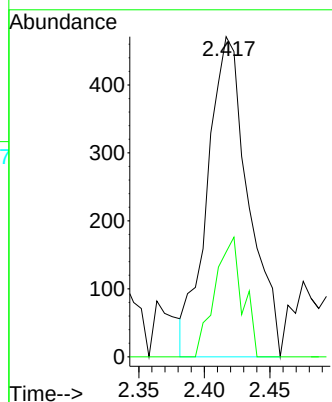
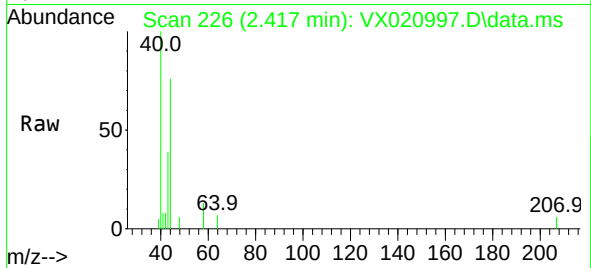




#16  
Acetone  
Concen: 0.79 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

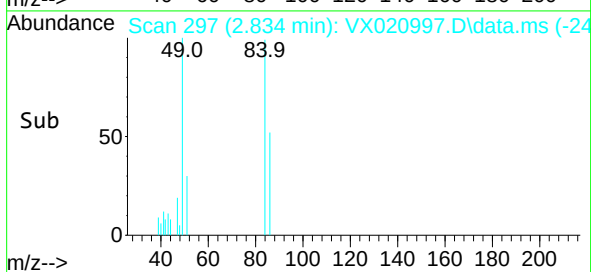
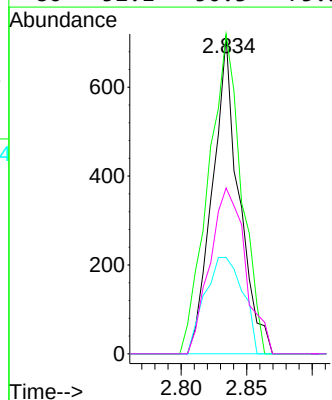
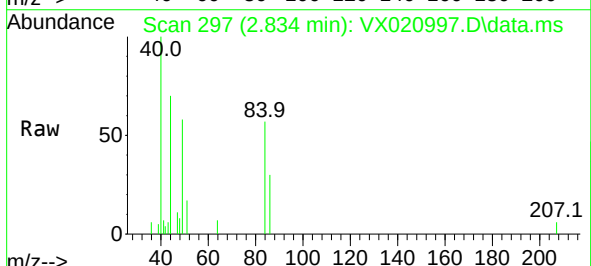
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

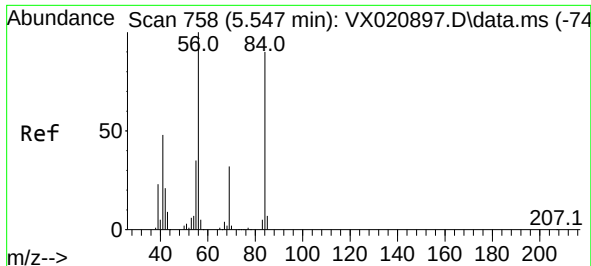
Tgt Ion: 43 Resp: 1026  
Ion Ratio Lower Upper  
43 100  
58 32.7 27.8 41.8



#20  
Methylene Chloride  
Concen: 0.32 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

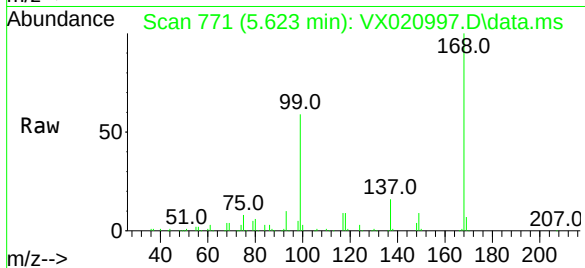
Tgt Ion: 84 Resp: 1003  
Ion Ratio Lower Upper  
84 100  
49 100.6 88.6 132.8  
51 30.3 27.0 40.6  
86 52.1 50.3 75.5



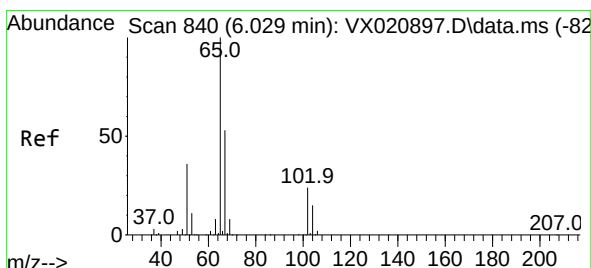
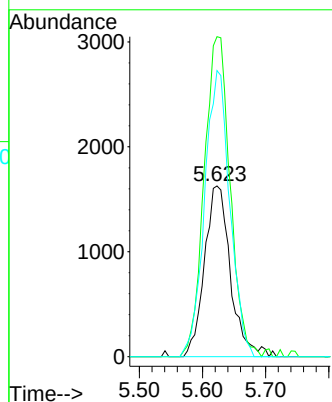
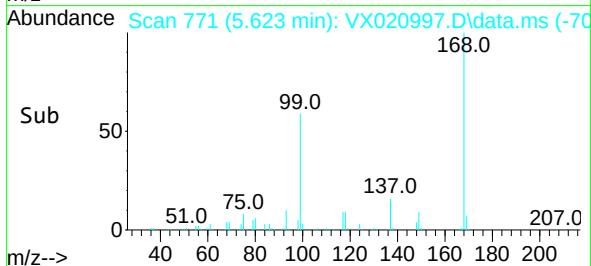


#31  
Cyclohexane  
Concen: 1.01 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

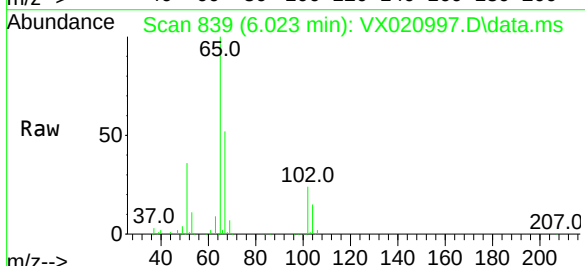
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK



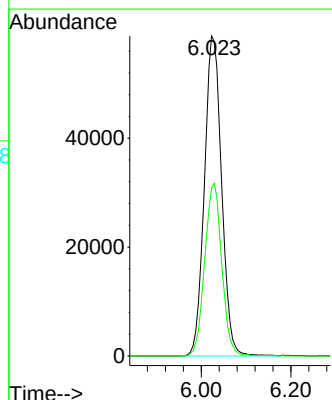
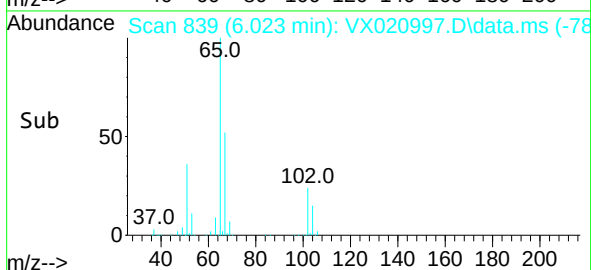
Tgt Ion: 56 Resp: 4659  
Ion Ratio Lower Upper  
56 100  
69 187.5 25.3 37.9#  
84 167.5 71.4 107.0#

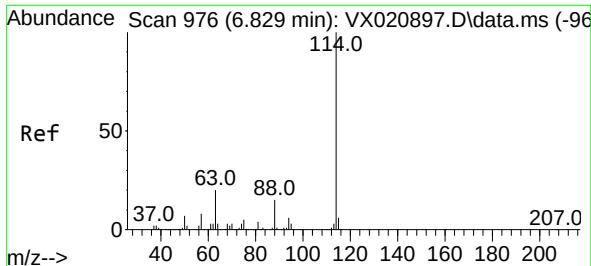


#33  
1,2-Dichloroethane-d4  
Concen: 49.36 ug/l  
RT: 6.023 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44



Tgt Ion: 65 Resp: 156496  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 105.4

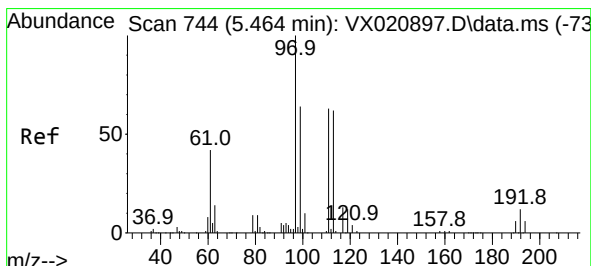
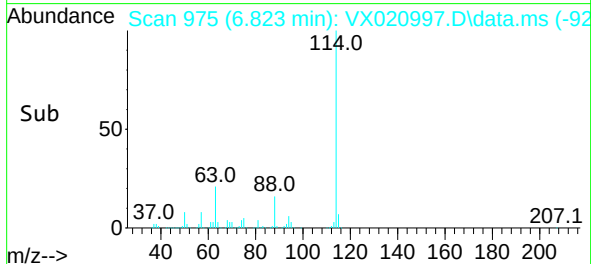
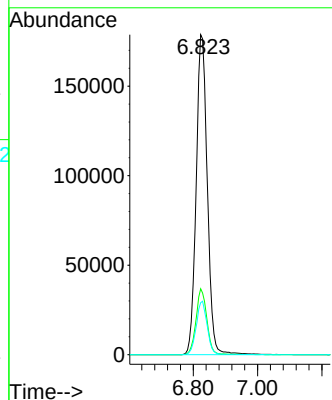
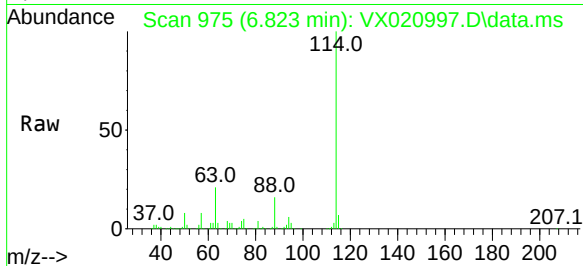




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.823 min Scan# 975  
Delta R.T. -0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

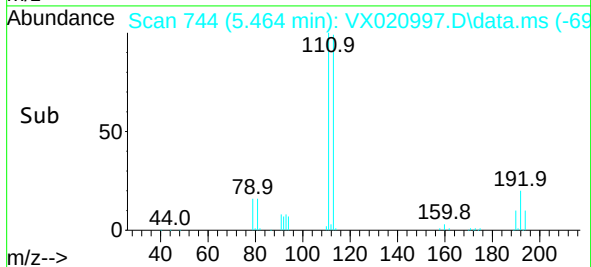
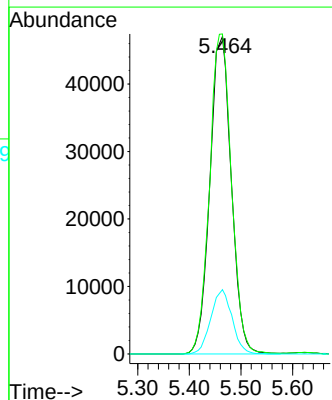
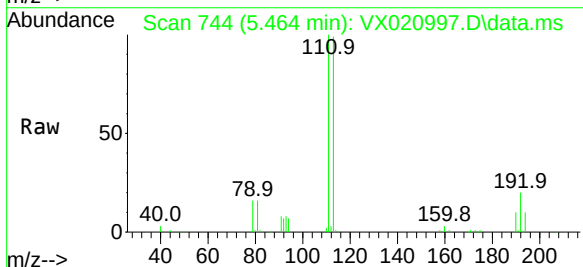
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 429617 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.6  | 0.0   | 40.8   |
| 88        | 16.2  | 0.0   | 32.8   |

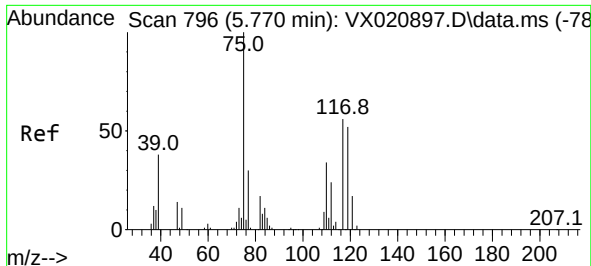


#35  
Dibromofluoromethane  
Concen: 51.95 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 135606 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.6 | 81.9  | 122.9  |
| 192       | 20.1  | 16.7  | 25.1   |

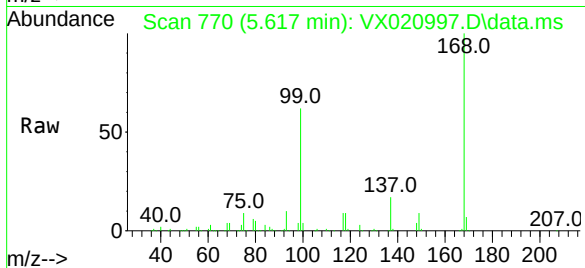




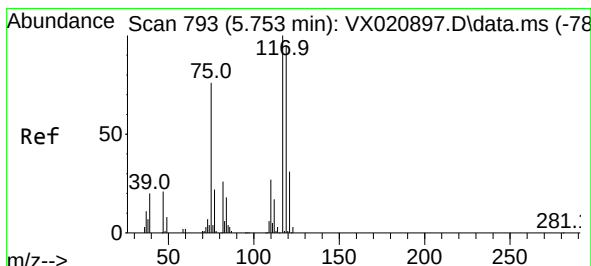
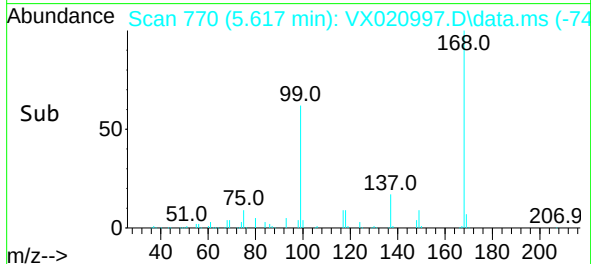
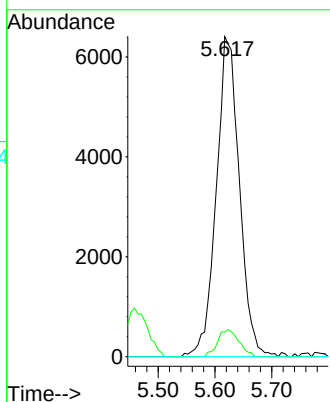


#36  
1,1-Dichloropropene  
Concen: 4.44 ug/l  
RT: 5.617 min Scan# 770  
Delta R.T. -0.153 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

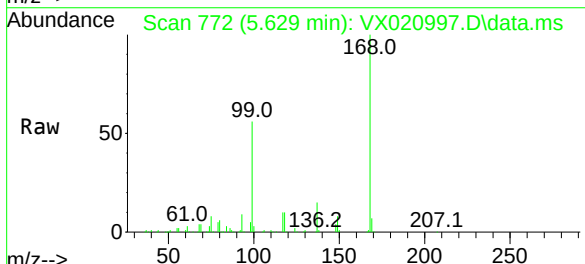
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK



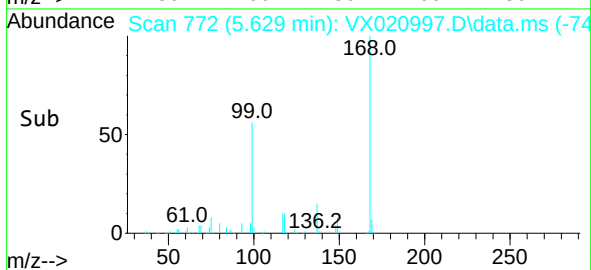
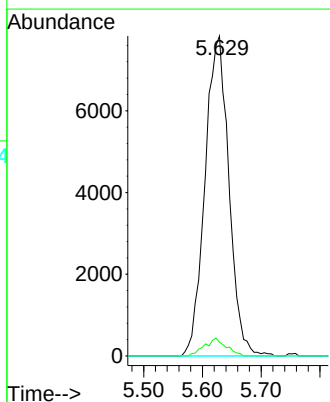
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Ion Ratio Lower Upper  
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77 0.0 25.3 37.9#

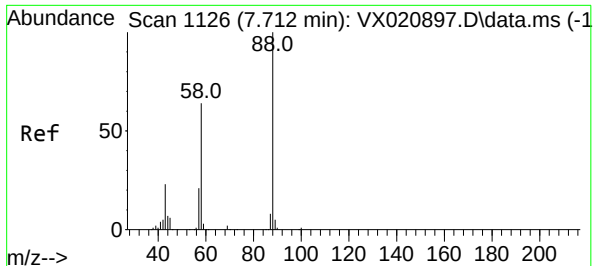


#38  
Carbon Tetrachloride  
Concen: 5.59 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.124 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44



Tgt Ion: 117 Resp: 22126  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.2 114.2#  
121 0.0 24.8 37.2#

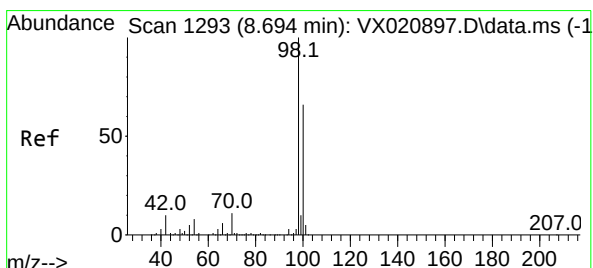
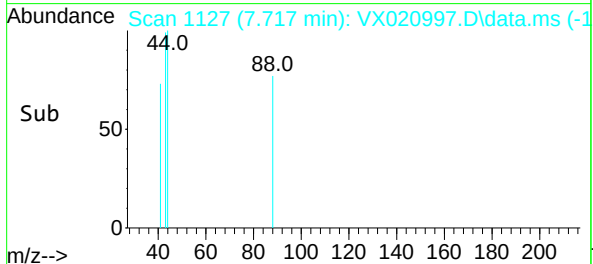
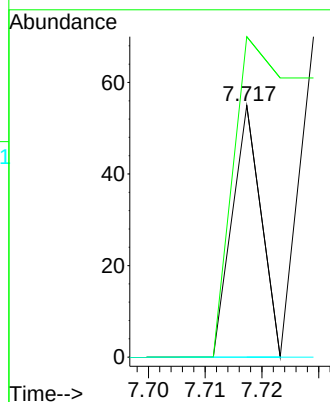
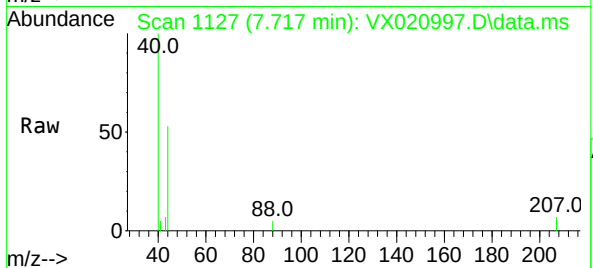




#49  
1,4-Dioxane  
Concen: 0.25 ug/l  
RT: 7.717 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

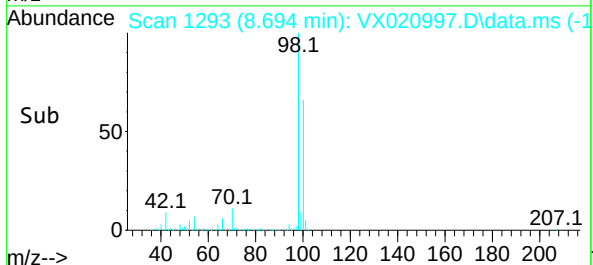
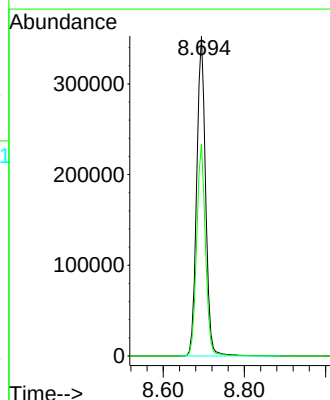
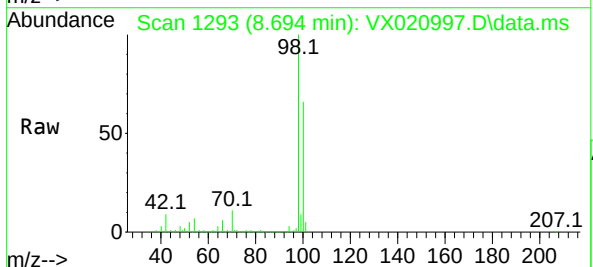
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

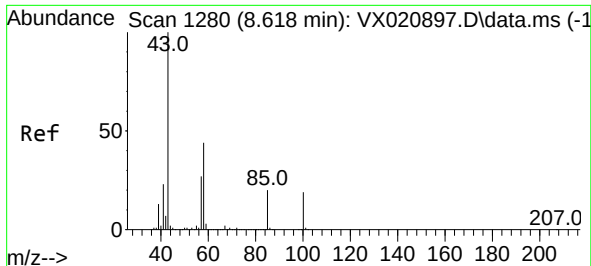
Tgt Ion: 88 Resp: 19  
Ion Ratio Lower Upper  
88 100  
43 357.9 23.2 34.8#  
58 0.0 55.0 82.4#



#50  
Toluene-d8  
Concen: 52.96 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 98 Resp: 539032  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.9 77.9

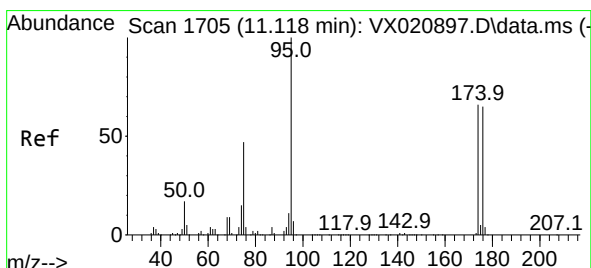
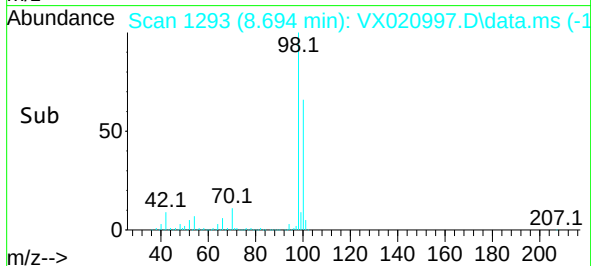
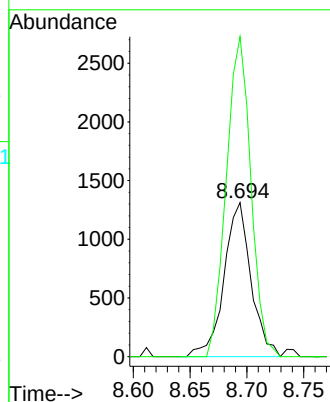
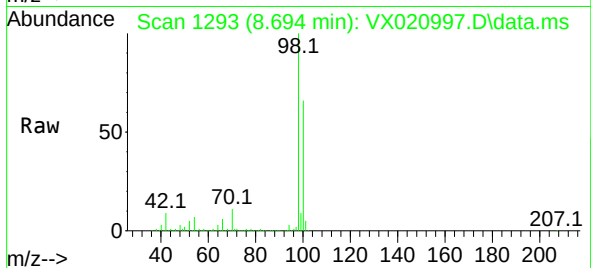




#51  
4-Methyl-2-Pentanone  
Concen: 0.56 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.076 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

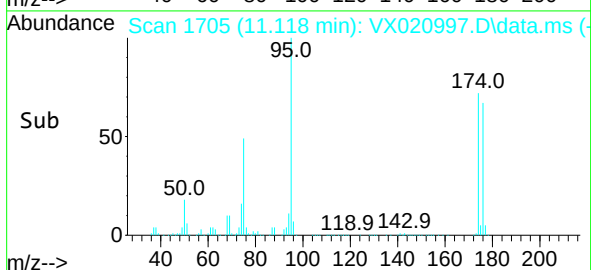
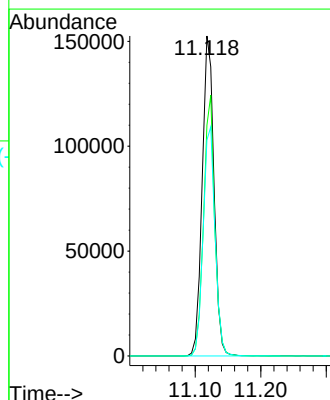
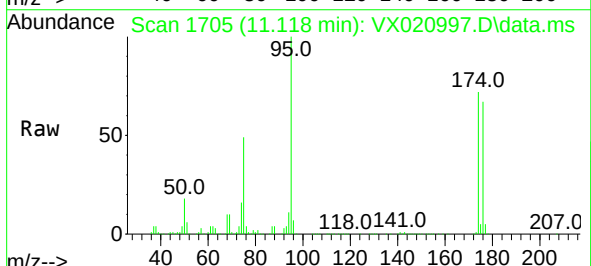
Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

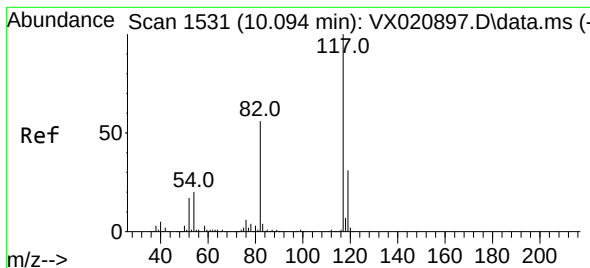
Tgt Ion: 43 Resp: 2171  
Ion Ratio Lower Upper  
43 100  
58 188.8 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 50.78 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 95 Resp: 191112  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 154.6  
176 72.2 0.0 155.8

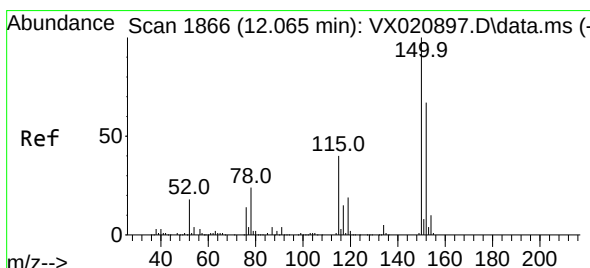
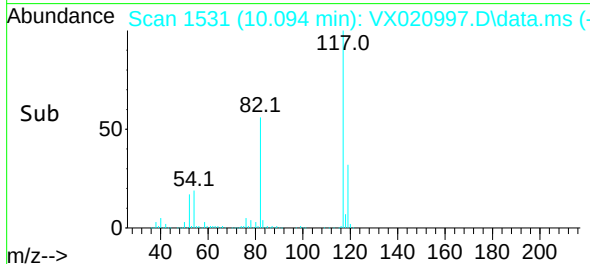
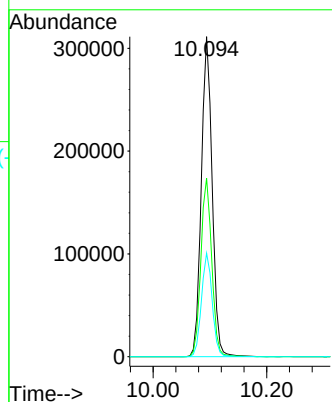
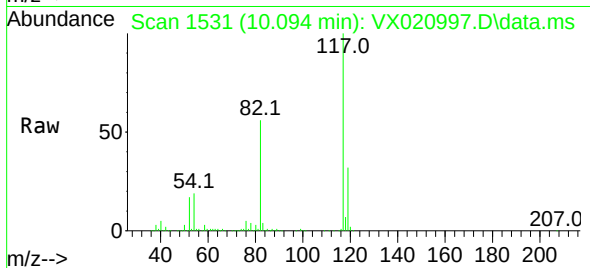




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

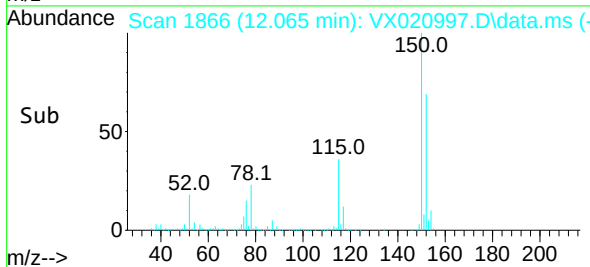
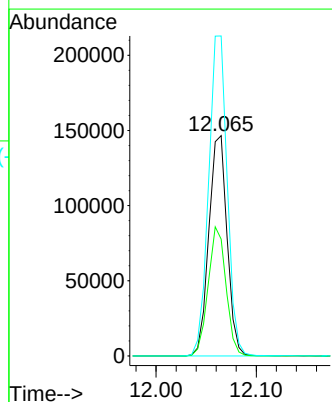
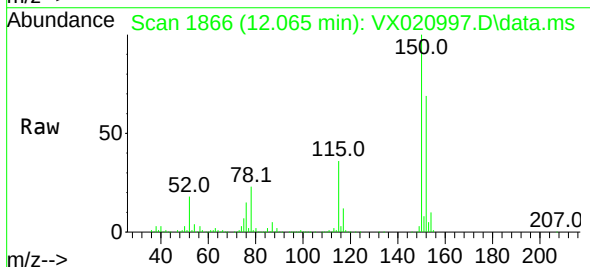
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

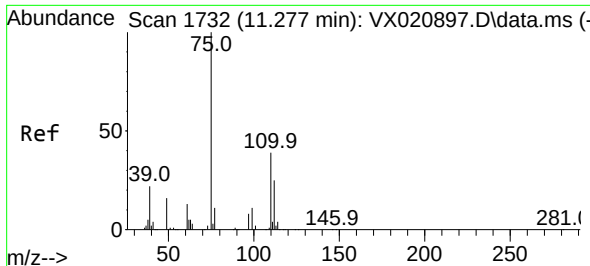
Tgt Ion:117 Resp: 412835  
Ion Ratio Lower Upper  
117 100  
82 55.8 47.4 71.2  
119 32.3 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.065 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion:152 Resp: 185246  
Ion Ratio Lower Upper  
152 100  
115 57.2 41.1 123.3  
150 147.9 0.0 349.0

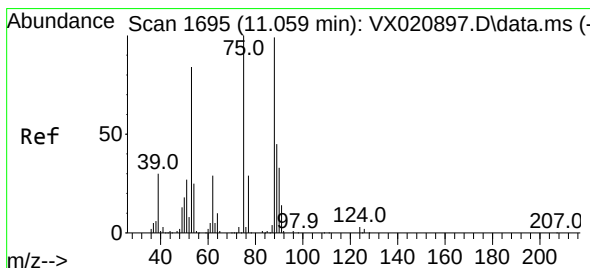
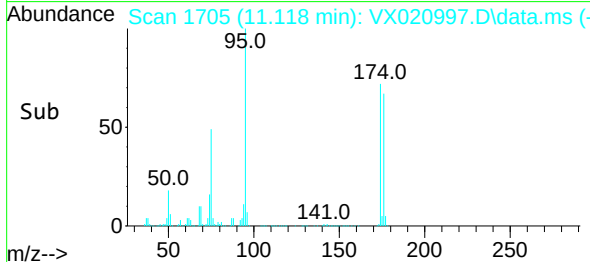
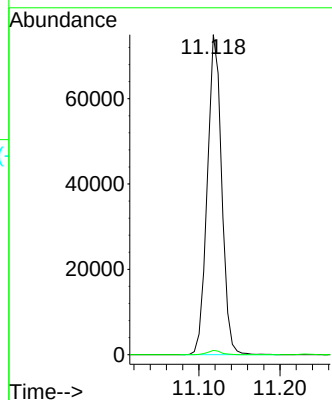
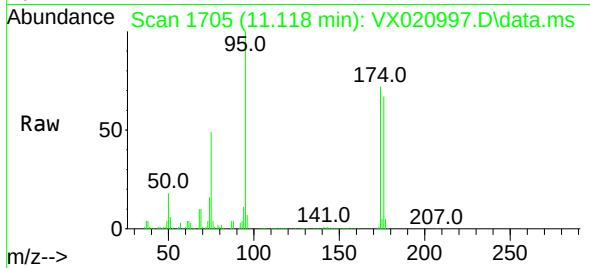




#76  
1,2,3-Trichloropropane  
Concen: 23.07 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Instrument :  
MSVOA\_X  
ClientSampled :  
IBLK

Tgt Ion: 75 Resp: 91936  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.08 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX020997.D  
Acq: 03 Mar 2021 14:44

Tgt Ion: 75 Resp: 91936  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

