

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071521\  
 Data File : VX023300.D  
 Acq On : 15 Jul 2021 15:37  
 Operator : JC/MD  
 Sample : M3027-05 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 16 03:52:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

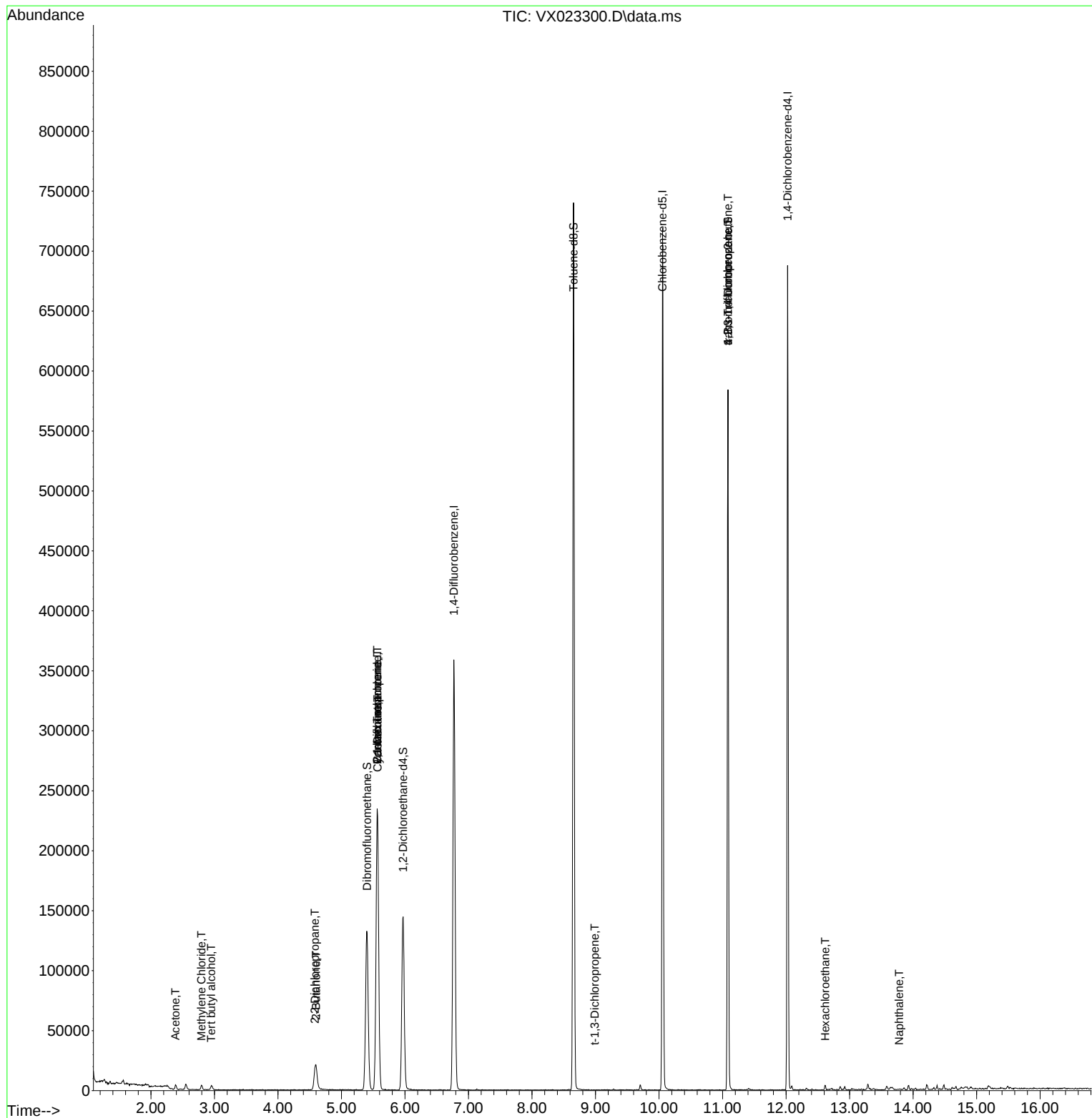
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 219045   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 357053   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 320284   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 138818   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.970  | 65             | 150741   | 51.203    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =         | 102.400% |          |
| 35) Dibromofluoromethane      | 5.404  | 113            | 113368   | 49.169    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =         | 98.340%  |          |
| 50) Toluene-d8                | 8.653  | 98             | 424595   | 49.367    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =         | 98.740%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 154659   | 46.579    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =         | 93.160%  |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           |          | Qvalue   |
| 5) Bromomethane               | 1.618  | 94             | 438      | Below Cal | #        | 66       |
| 11) Tert butyl alcohol        | 2.947  | 59             | 2230     | 3.601     | ug/l #   | 73       |
| 16) Acetone                   | 2.386  | 43             | 4164     | 3.575     | ug/l     | 92       |
| 20) Methylene Chloride        | 2.794  | 84             | 1597     | 0.637     | ug/l #   | 93       |
| 25) 2-Butanone                | 4.599  | 43             | 1753     | 0.998     | ug/l #   | 82       |
| 26) 2,2-Dichloropropane       | 4.580  | 77             | 1799     | 0.530     | ug/l #   | 52       |
| 31) Cyclohexane               | 5.568  | 56             | 4629     | 1.313     | ug/l #   | 17       |
| 36) 1,1-Dichloropropene       | 5.562  | 75             | 17127    | 5.381     | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 22811    | 6.866     | ug/l #   | 16       |
| 53) t-1,3-Dichloropropene     | 8.988  | 75             | 25       | 2.742     | ug/l #   | 44       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 81574    | 29.202    | ug/l #   | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 81574    | 78.533    | ug/l #   | 12       |
| 90) Hexachloroethane          | 12.616 | 117            | 205      | 3.126     | ug/l #   | 9        |
| 95) Naphthalene               | 13.780 | 128            | 360      | 1.309     | ug/l #   | 79       |
| -----                         |        |                |          |           |          |          |

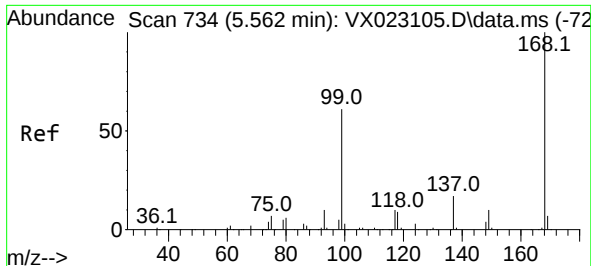
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3027-05 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 16 03:52:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

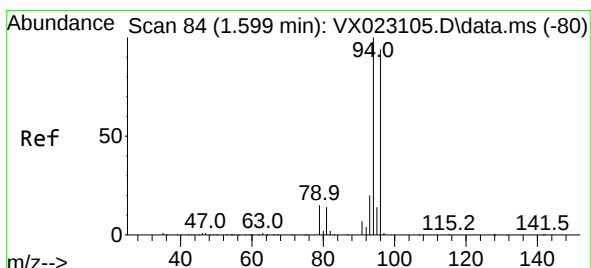
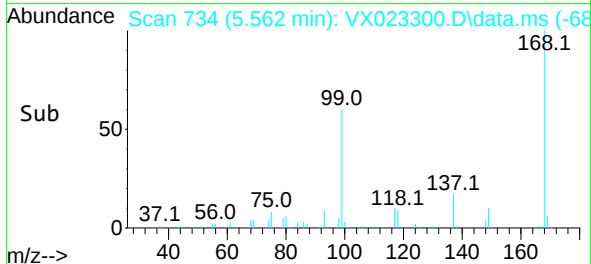
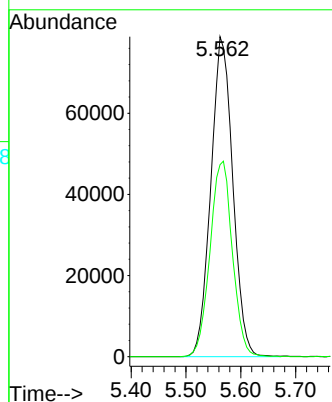
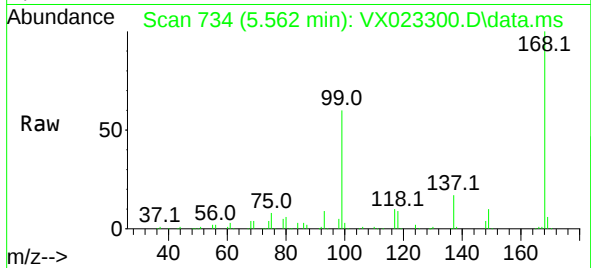




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

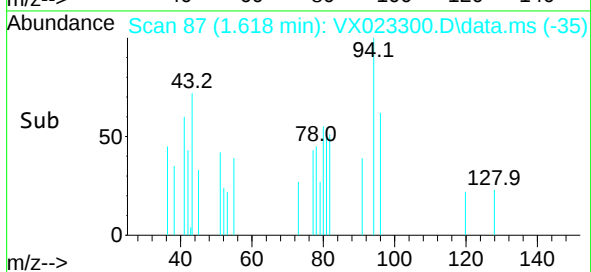
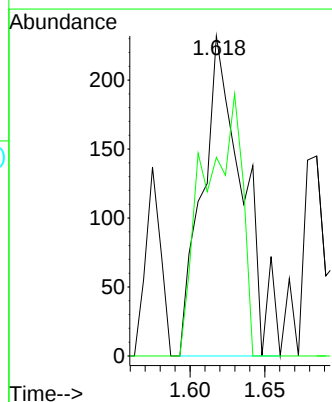
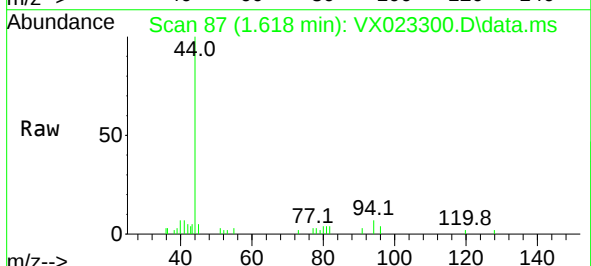
Instrument :  
MSVOA\_X  
ClientSampled :

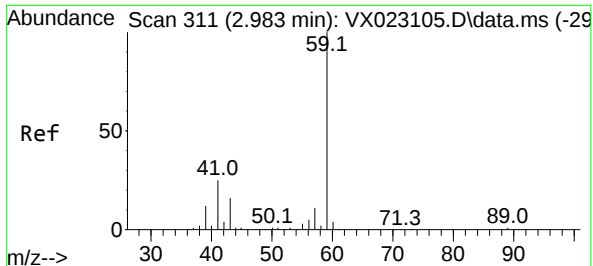
Tgt Ion:168 Resp: 219045  
Ion Ratio Lower Upper  
168 100  
99 60.0 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 94 Resp: 438  
Ion Ratio Lower Upper  
94 100  
96 62.1 76.4 114.6#



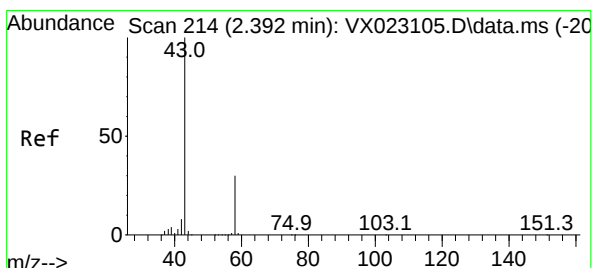
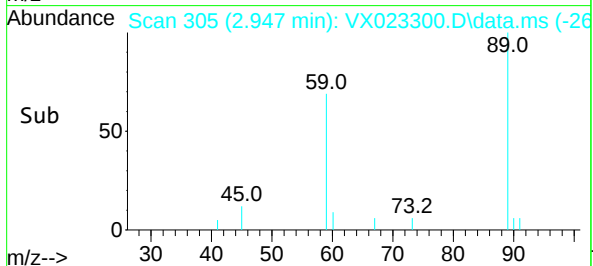
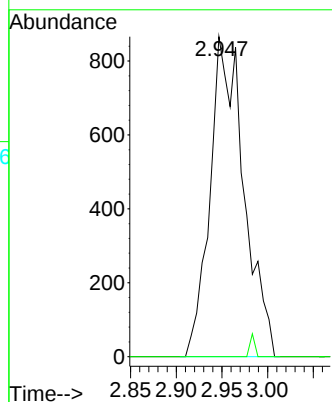
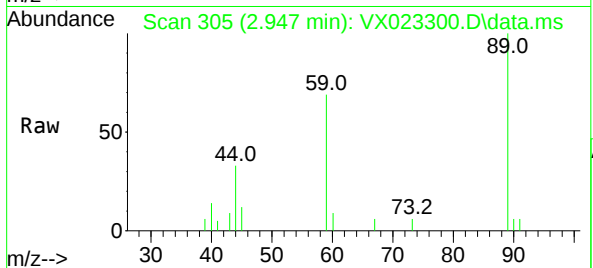


#11

Tert butyl alcohol  
Concen: 3.601 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.036 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Instrument :  
MSVOA\_X  
ClientSampled :

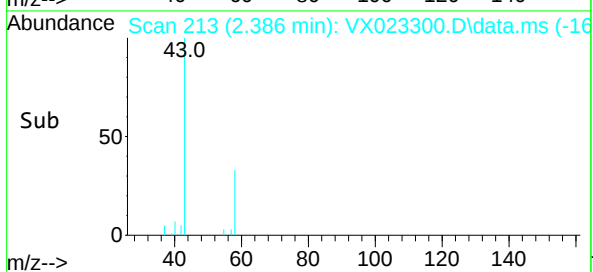
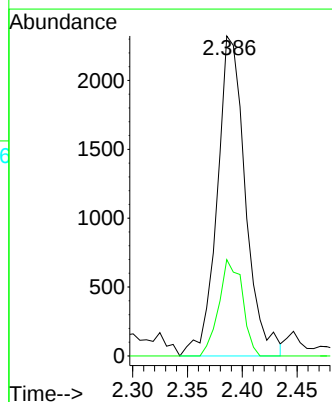
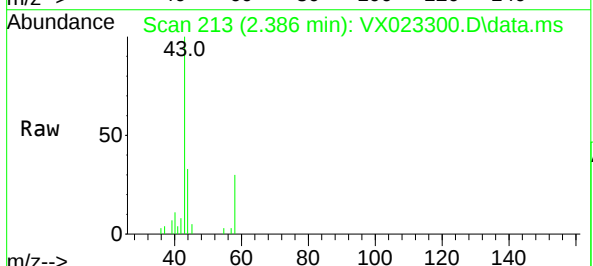
Tgt Ion: 59 Resp: 2230  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

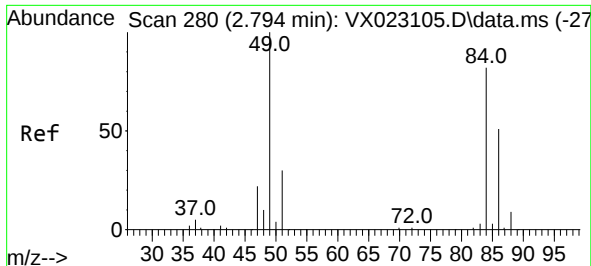


#16

Acetone  
Concen: 3.575 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

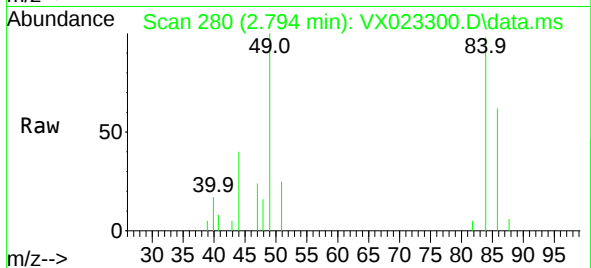
Tgt Ion: 43 Resp: 4164  
Ion Ratio Lower Upper  
43 100  
58 30.1 27.8 41.8



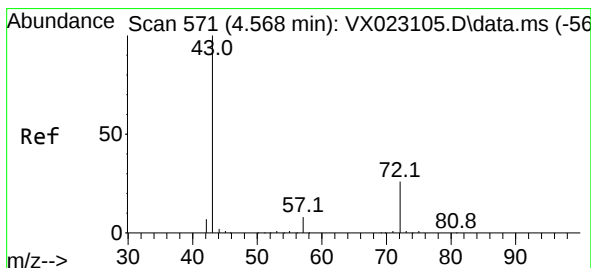
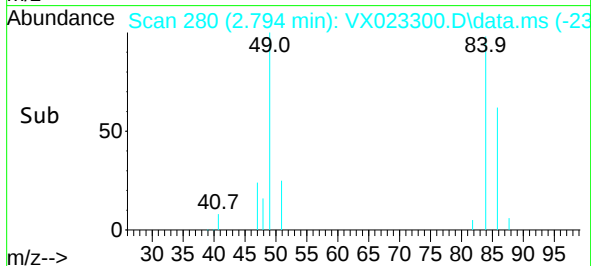
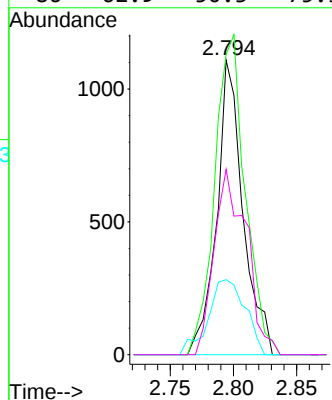


#20  
Methylene Chloride  
Concen: 0.637 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Instrument :  
MSVOA\_X  
ClientSampled :

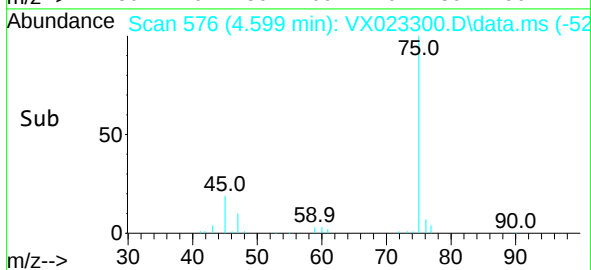
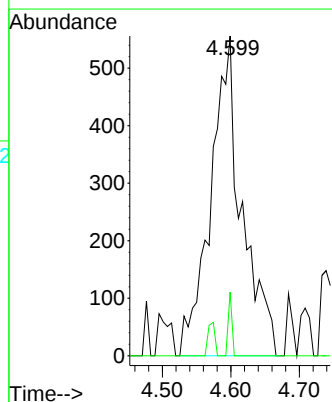
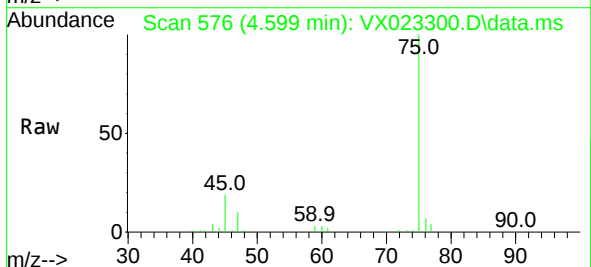


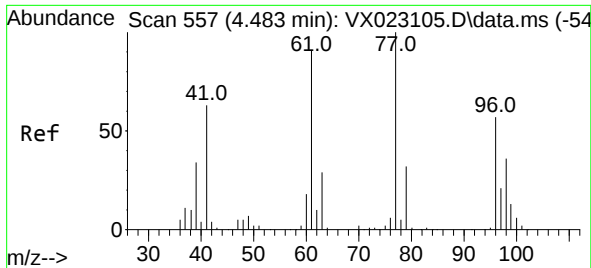
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1597  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.9 | 88.6  | 132.8 |
| 51       | 25.5  | 27.0  | 40.6# |
| 86       | 62.9  | 50.3  | 75.5  |



#25  
2-Butanone  
Concen: 0.998 ug/l  
RT: 4.599 min Scan# 576  
Delta R.T. 0.031 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1753  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.0  | 23.7  | 35.5# |

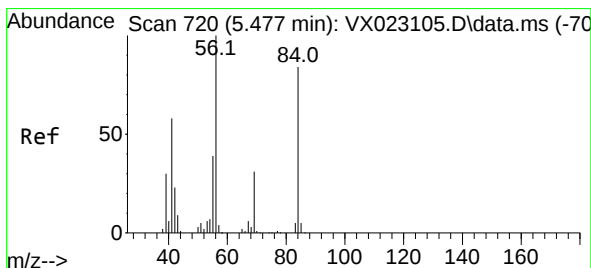
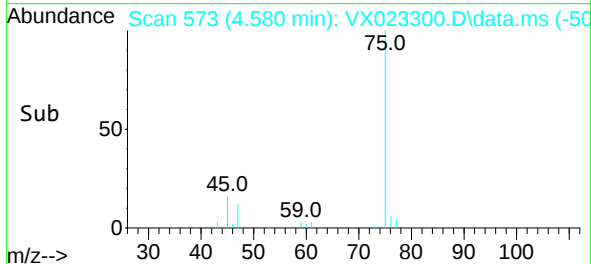
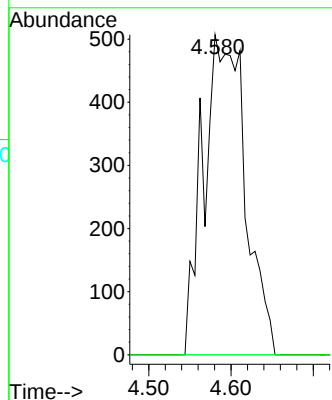
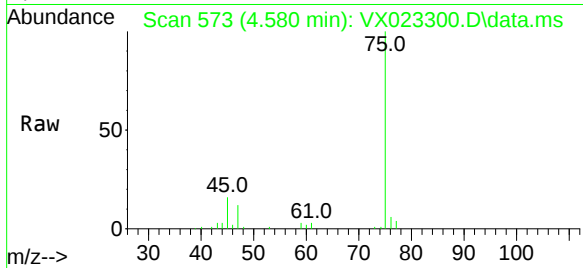




#26  
2,2-Dichloropropane  
Concen: 0.530 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.097 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

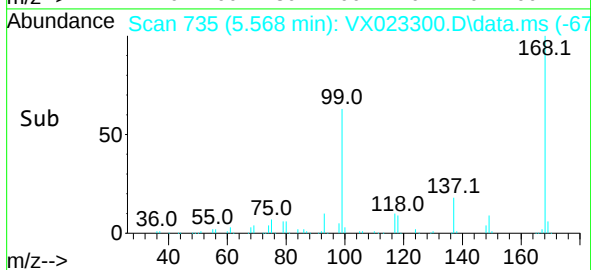
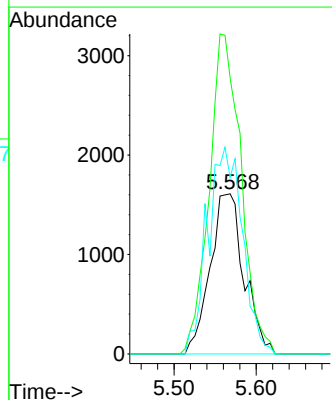
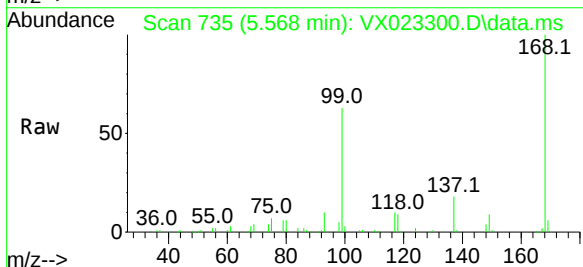
Instrument :  
MSVOA\_X  
ClientSampled :

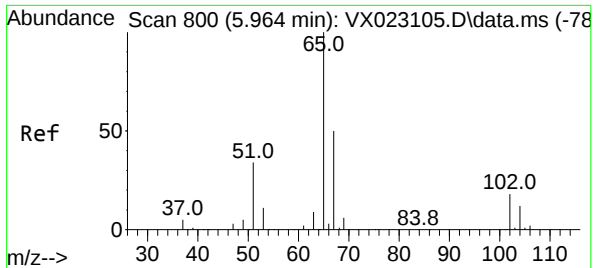
Tgt Ion: 77 Resp: 1799  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.7 35.1#



#31  
Cyclohexane  
Concen: 1.313 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.091 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 56 Resp: 4629  
Ion Ratio Lower Upper  
56 100  
69 172.4 25.3 37.9#  
84 110.2 71.4 107.0#

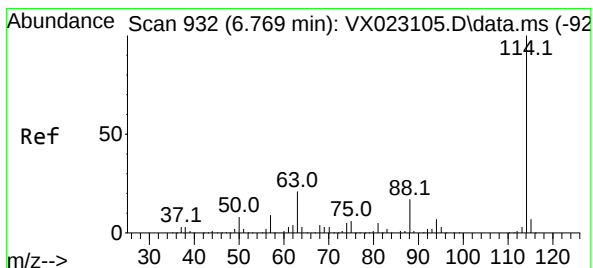
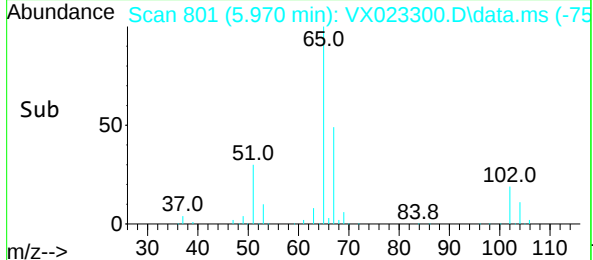
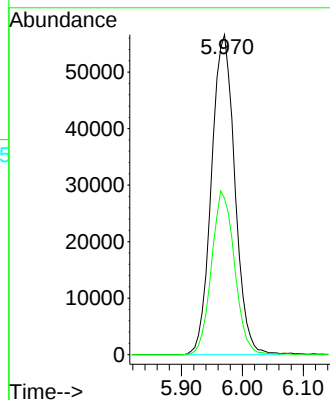
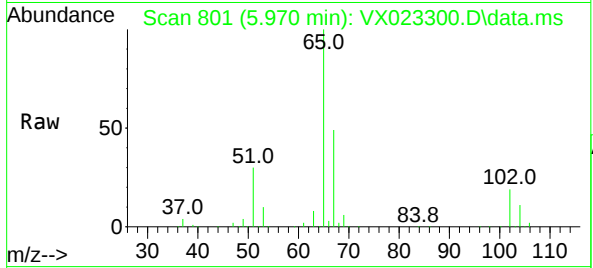




#33  
1,2-Dichloroethane-d4  
Concen: 51.203 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. 0.006 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

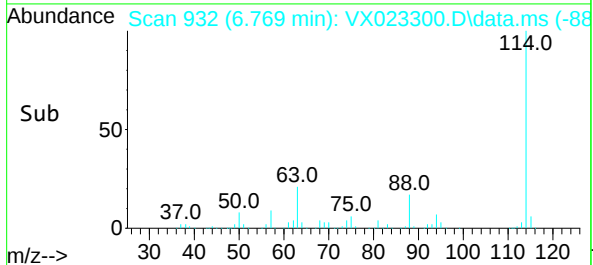
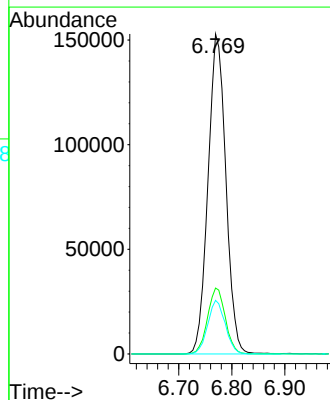
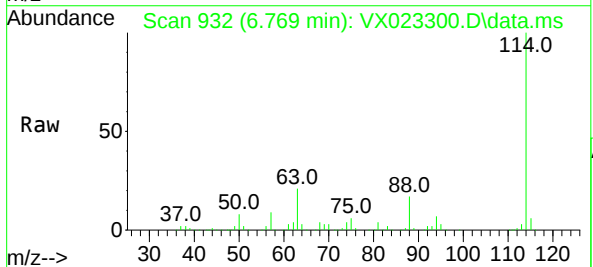
Instrument :  
MSVOA\_X  
ClientSampled :

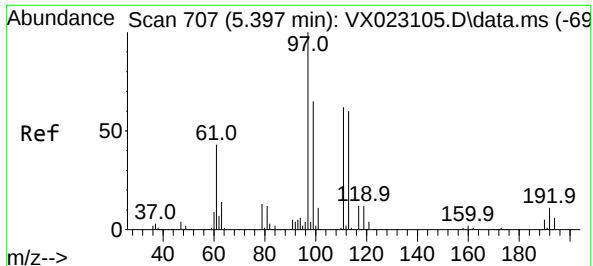
Tgt Ion: 65 Resp: 150741  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 114 Resp: 357053  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 40.8  
88 16.8 0.0 32.8

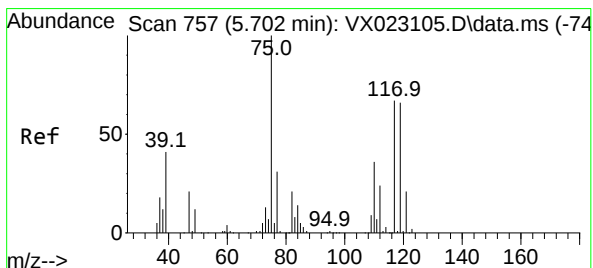
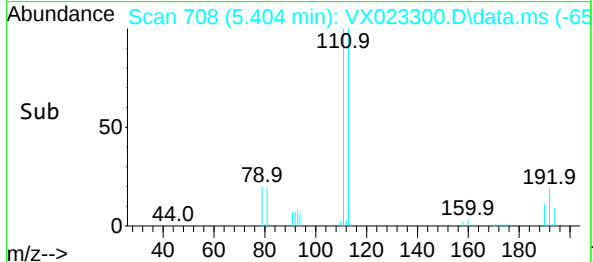
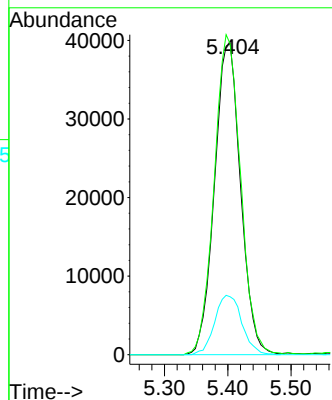
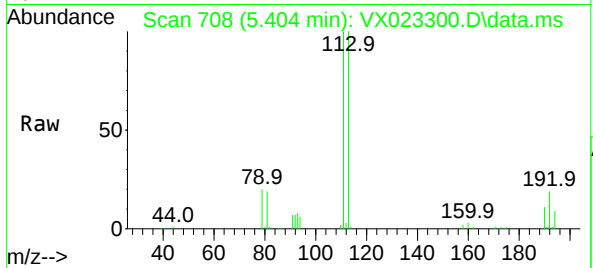




#35  
Dibromofluoromethane  
Concen: 49.169 ug/l  
RT: 5.404 min Scan# 708  
Delta R.T. 0.007 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

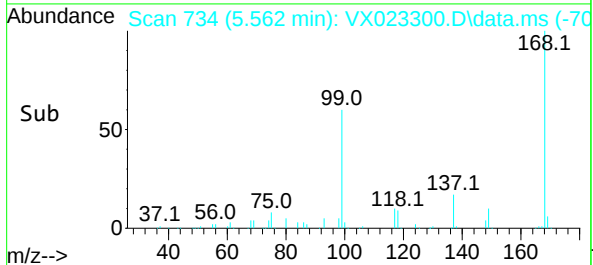
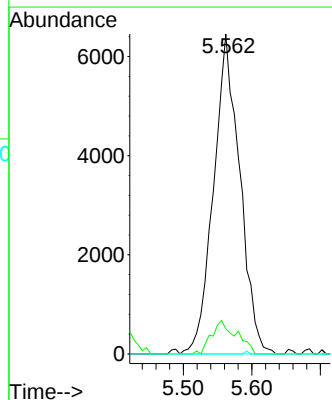
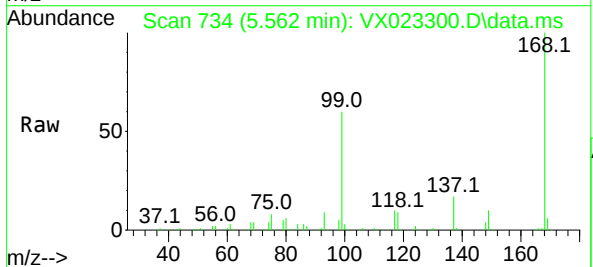
Instrument :  
MSVOA\_X  
ClientSampled :

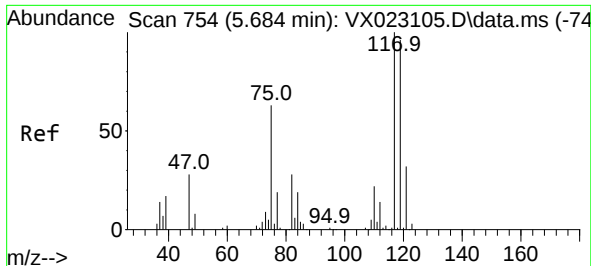
Tgt Ion:113 Resp: 113368  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.9 122.9  
192 19.8 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.381 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

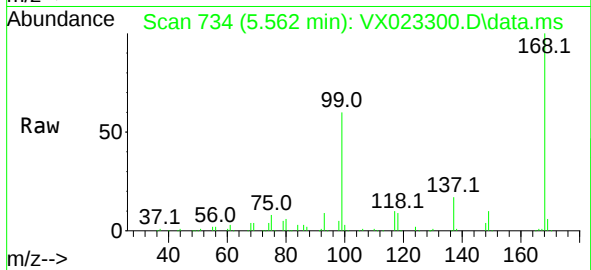
Tgt Ion: 75 Resp: 17127  
Ion Ratio Lower Upper  
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110 10.0 18.1 54.4#  
77 0.0 25.3 37.9#



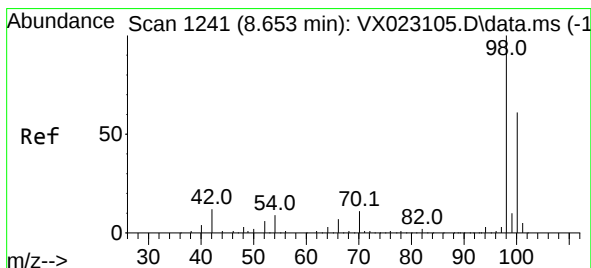
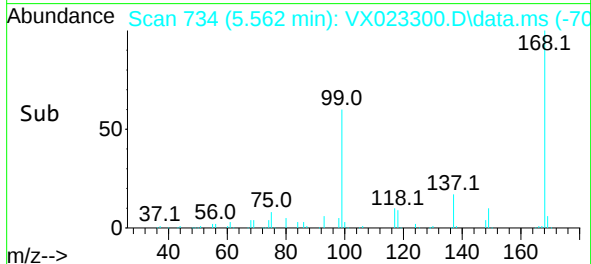
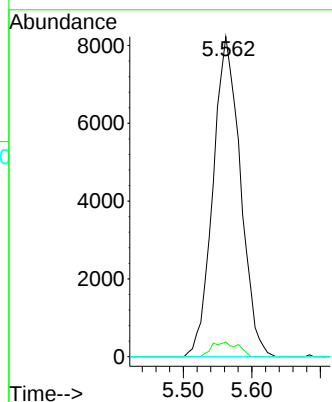


#38  
Carbon Tetrachloride  
Concen: 6.866 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Instrument :  
MSVOA\_X  
ClientSampled :

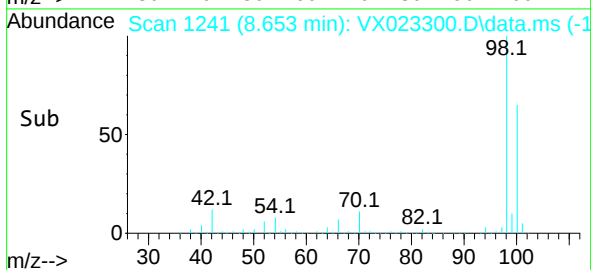
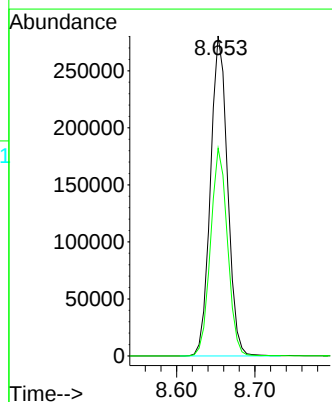
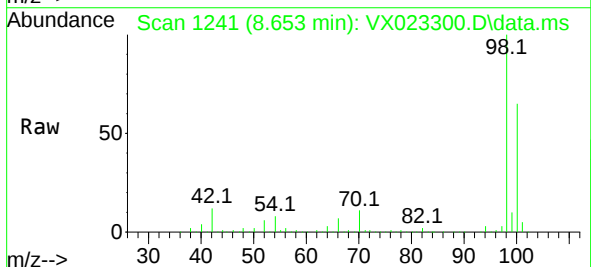


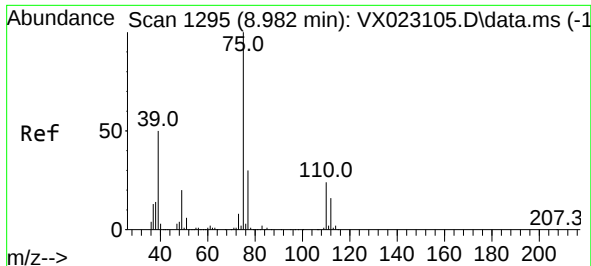
Tgt Ion:117 Resp: 22811  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.367 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 98 Resp: 424595  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9

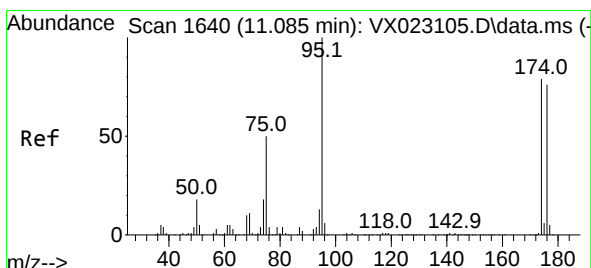
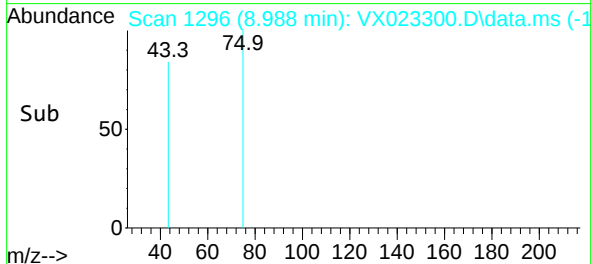
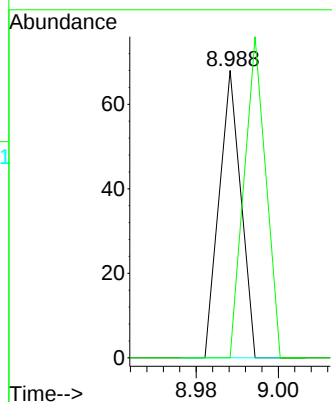
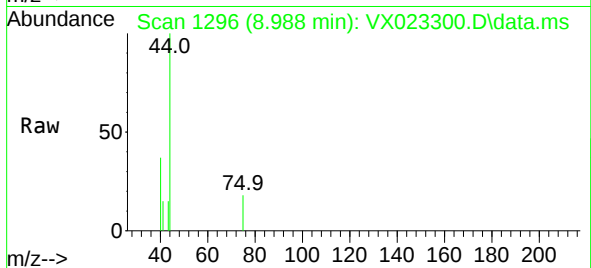




#53  
t-1,3-Dichloropropene  
Concen: 2.742 ug/l  
RT: 8.988 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

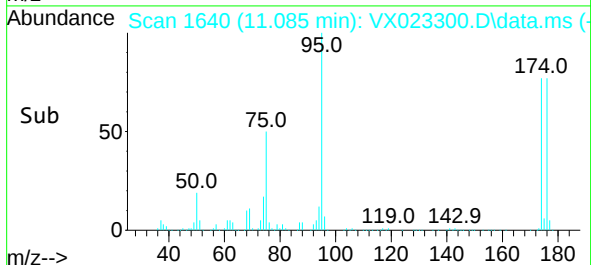
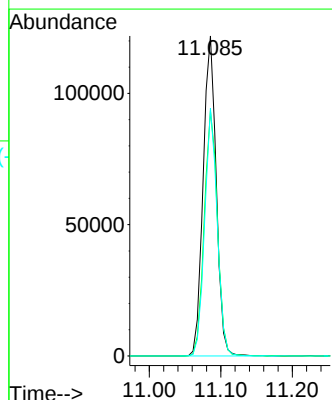
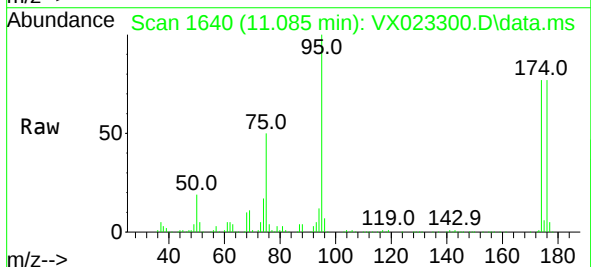
Instrument :  
MSVOA\_X  
ClientSampled :

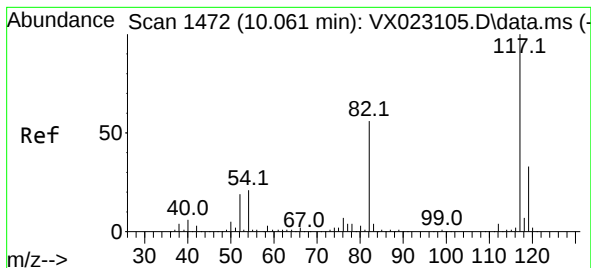
Tgt Ion: 75 Resp: 25  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#



#62  
4-Bromofluorobenzene  
Concen: 46.579 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 95 Resp: 154659  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 154.6  
176 74.4 0.0 155.8

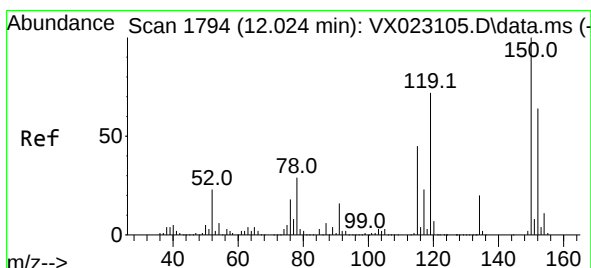
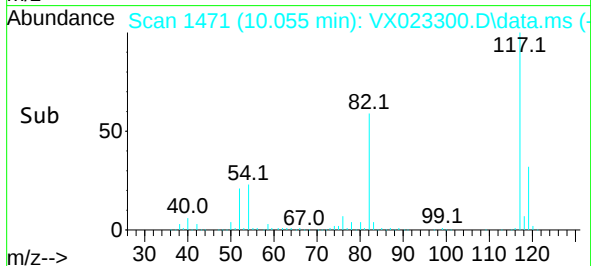
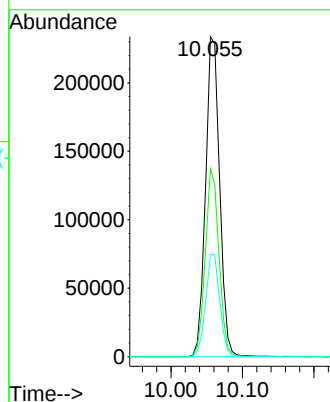
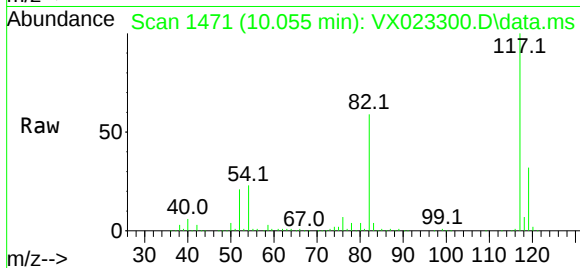




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

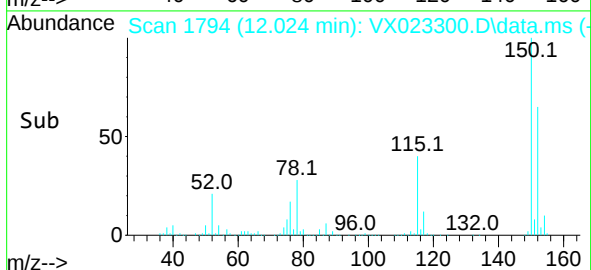
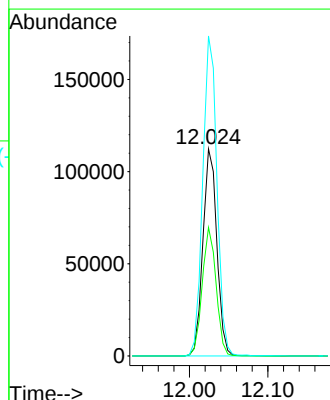
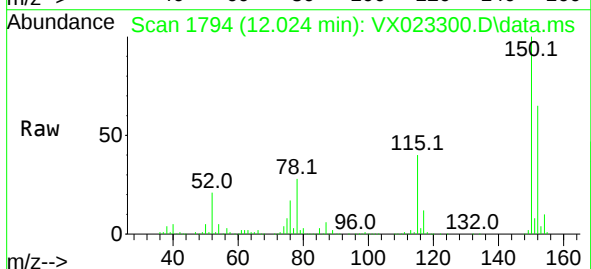
Instrument :  
MSVOA\_X  
ClientSampled :

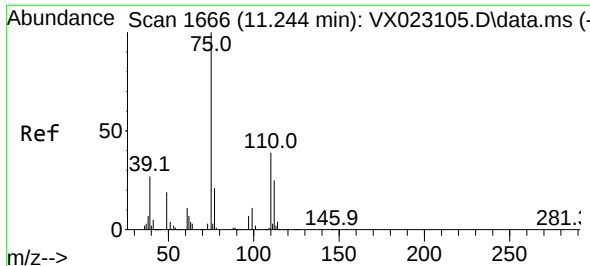
Tgt Ion:117 Resp: 320284  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.4 71.2  
119 32.0 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion:152 Resp: 138818  
Ion Ratio Lower Upper  
152 100  
115 61.8 41.1 123.3  
150 156.8 0.0 349.0

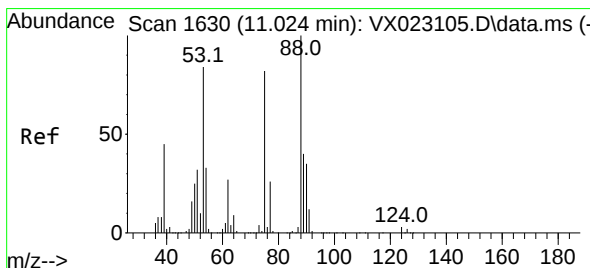
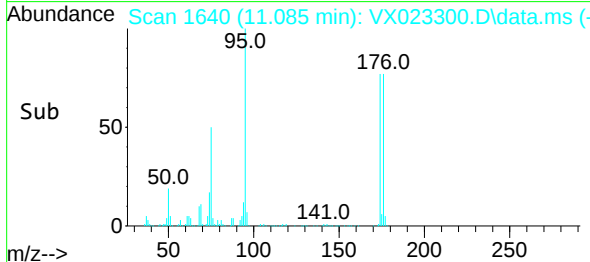
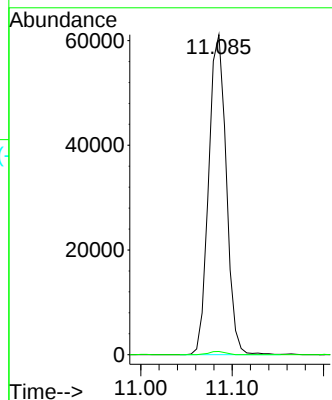
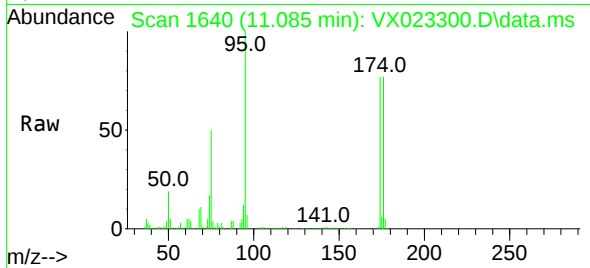




#76  
1,2,3-Trichloropropane  
Concen: 29.202 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

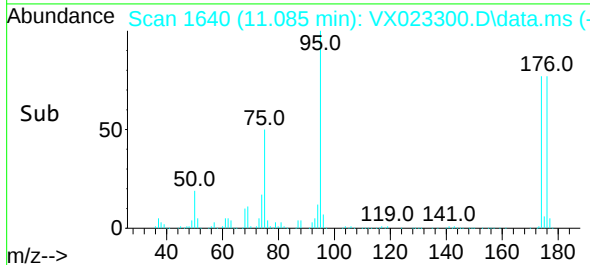
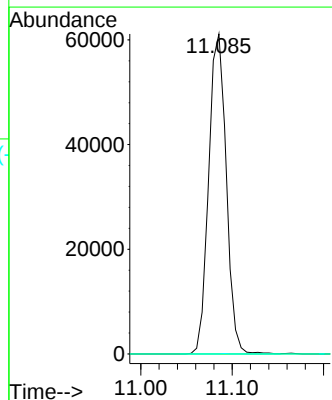
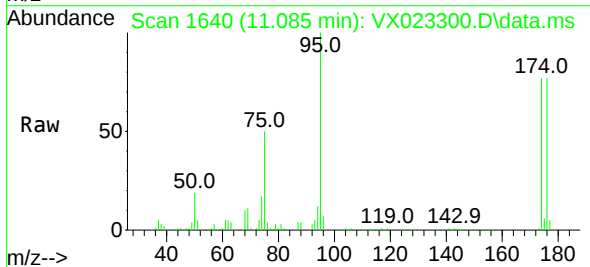
Instrument :  
MSVOA\_X  
ClientSampled :

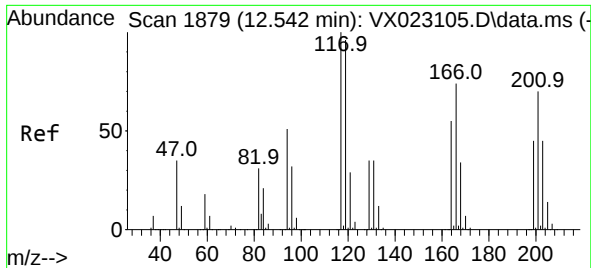
Tgt Ion: 75 Resp: 81574  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.533 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion: 75 Resp: 81574  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

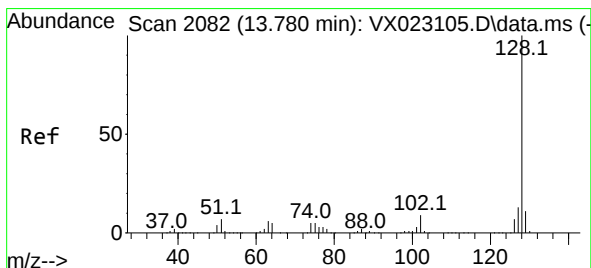
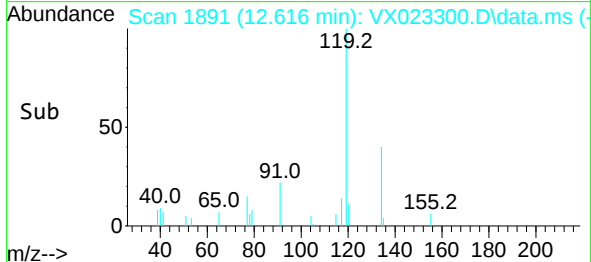
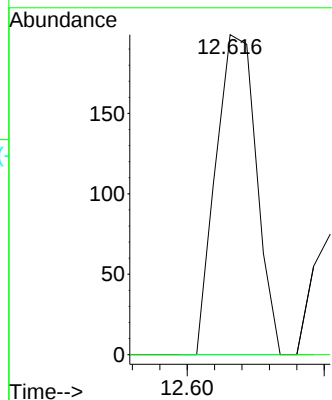
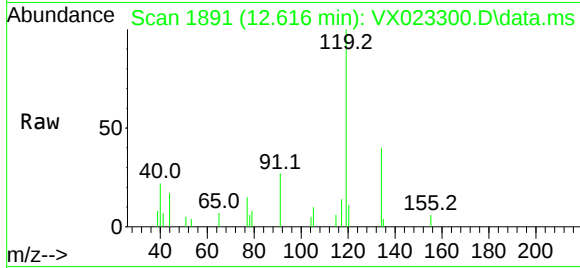




#90  
Hexachloroethane  
Concen: 3.126 ug/l  
RT: 12.616 min Scan# 1891  
Delta R.T. 0.074 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:117 Resp: 205  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.4 121.2#



#95  
Naphthalene  
Concen: 1.309 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX023300.D  
Acq: 15 Jul 2021 15:37

Tgt Ion:128 Resp: 360  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 13.6 8.8 13.2#

