

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032322\  
 Data File : VD072382.D  
 Acq On : 23 Mar 2022 14:23  
 Operator : VA/SY  
 Sample : N2063-02  
 Misc : 2.28G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 24 02:23:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

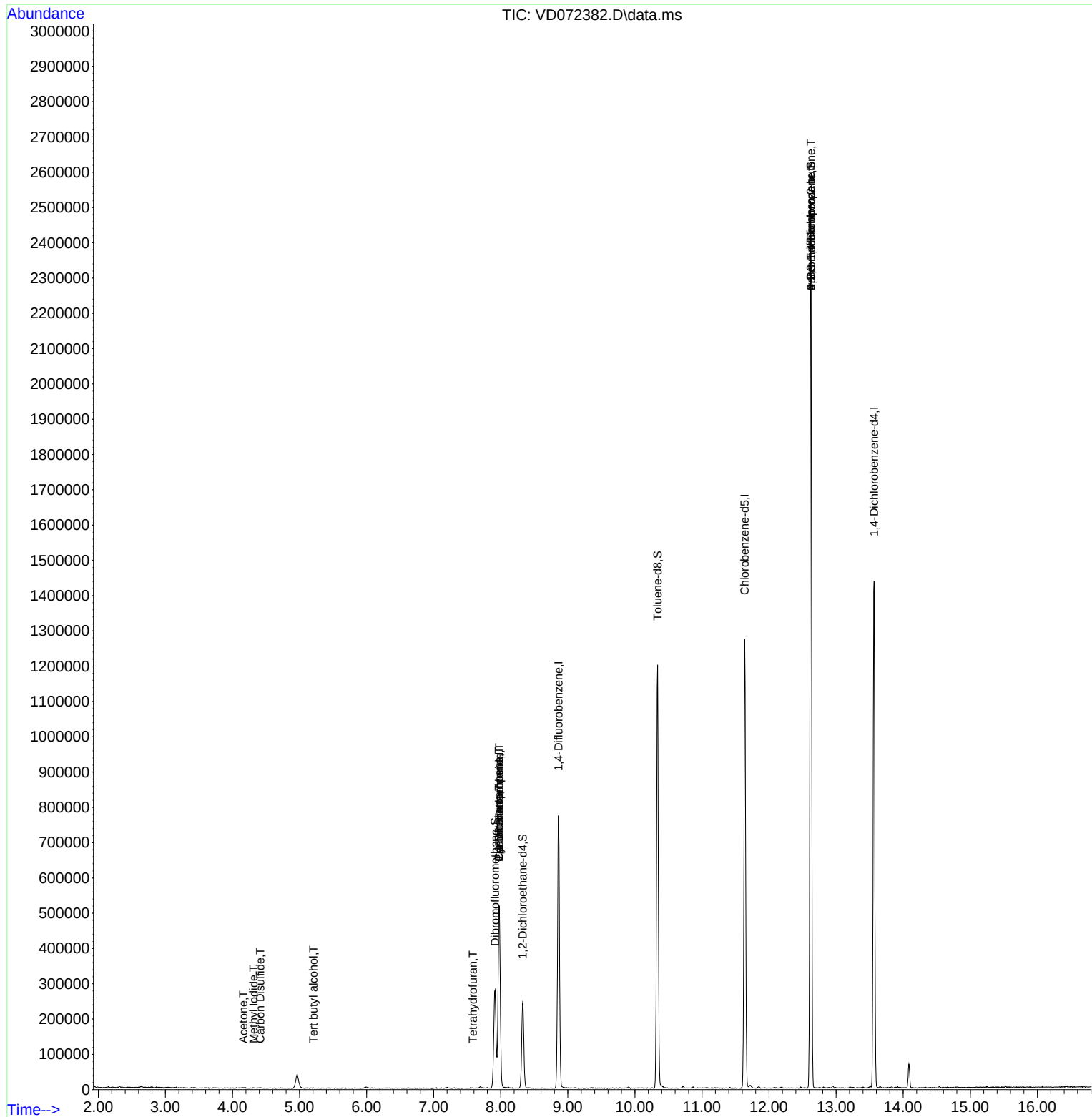
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 377428   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 645092   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 729383   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 371533   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 192465   | 45.757    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 91.520%  |
| 35) Dibromofluoromethane      | 7.914  | 113   | 204417   | 45.030    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 90.060%  |
| 50) Toluene-d8                | 10.338 | 98    | 812641   | 48.957    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 97.920%  |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 383180   | 59.411    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 118.820% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.314  | 142   | 1069     | 2.491     | ug/l # | 82       |
| 11) Tert butyl alcohol        | 5.209  | 59    | 366      | 1.501     | ug/l # | 74       |
| 16) Acetone                   | 4.162  | 43    | 2474     | 2.709     | ug/l # | 85       |
| 17) Carbon Disulfide          | 4.414  | 76    | 1939     | 1.733     | ug/l # | 74       |
| 20) Methylene Chloride        | 4.967  | 84    | 28332    | Below Cal | #      | 84       |
| 29) Tetrahydrofuran           | 7.585  | 42    | 985      | 1.376     | ug/l # | 48       |
| 31) Cyclohexane               | 7.973  | 56    | 10293    | 1.566     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 31850    | 5.001     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 38803    | 5.360     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 209660   | 51.157    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 209660   | 126.927   | ug/l # | 8        |
| -----                         |        |       |          |           |        |          |

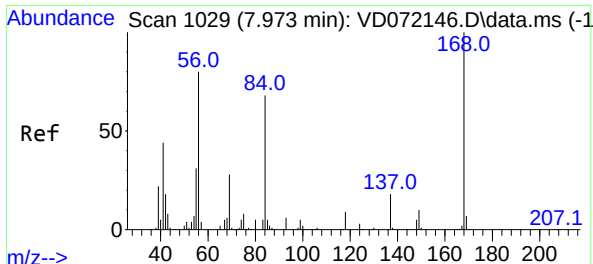
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Time: Mar 24 02:23:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

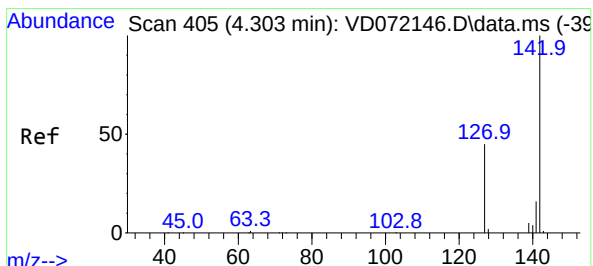
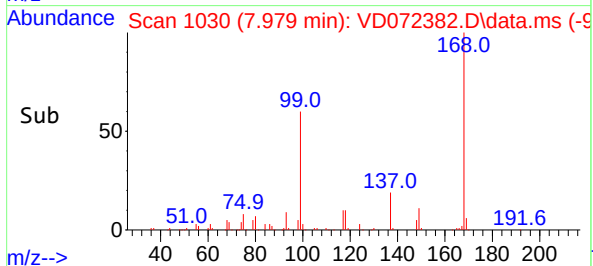
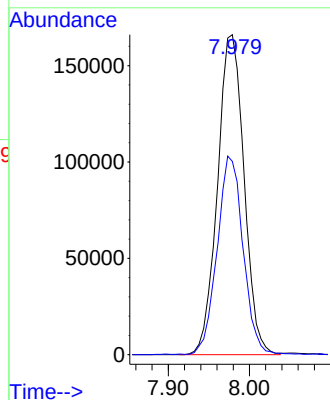
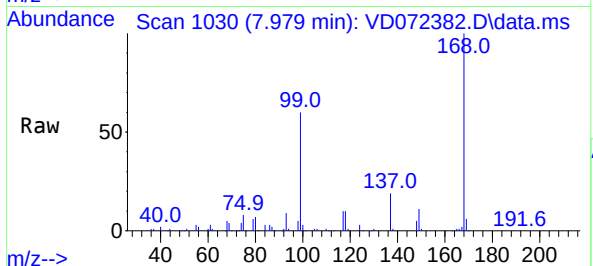




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

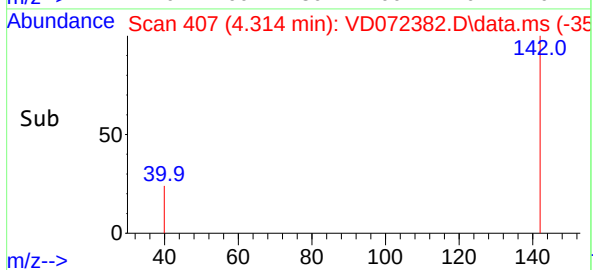
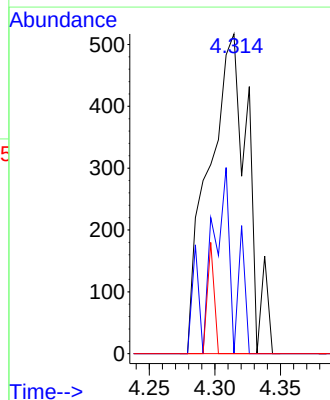
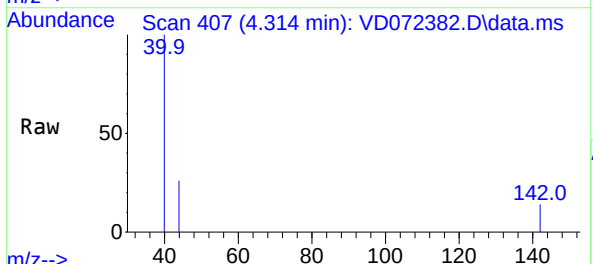
Instrument :  
MSVOA\_D  
ClientSampleId :

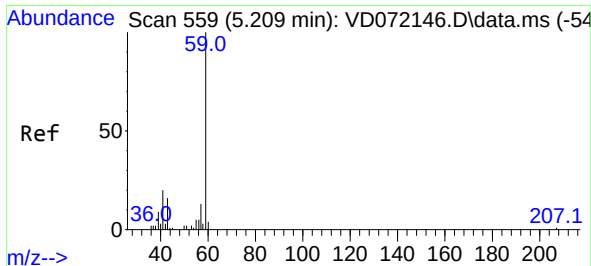
Tgt Ion:168 Resp: 377428  
Ion Ratio Lower Upper  
168 100  
99 60.2 49.8 74.6



#10  
Methyl Iodide  
Concen: 2.491 ug/l  
RT: 4.314 min Scan# 407  
Delta R.T. 0.011 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

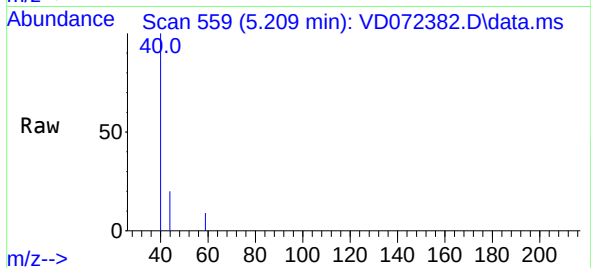
Tgt Ion:142 Resp: 1069  
Ion Ratio Lower Upper  
142 100  
127 35.1 37.3 55.9#  
141 5.9 11.7 17.5#



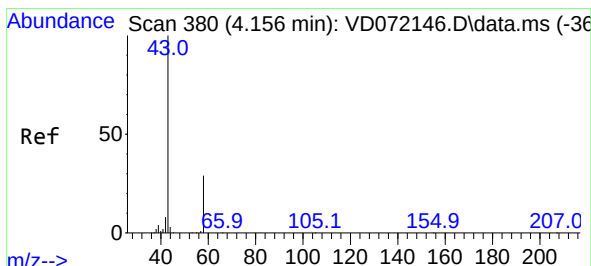
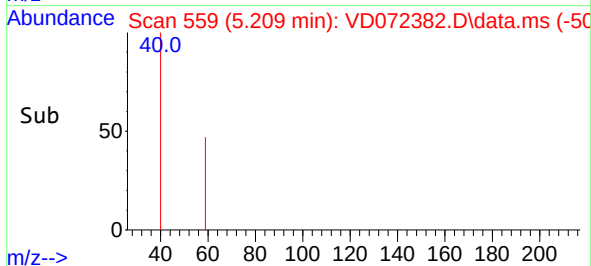
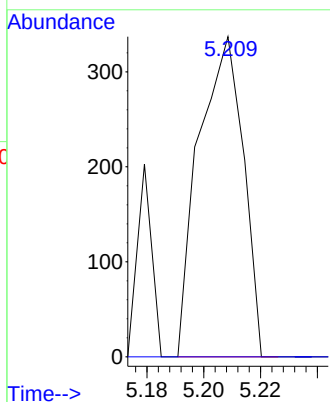


#11  
Tert butyl alcohol  
Concen: 1.501 ug/l  
RT: 5.209 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Instrument :  
MSVOA\_D  
ClientSampleId :

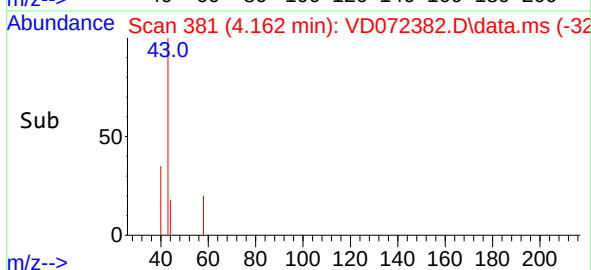
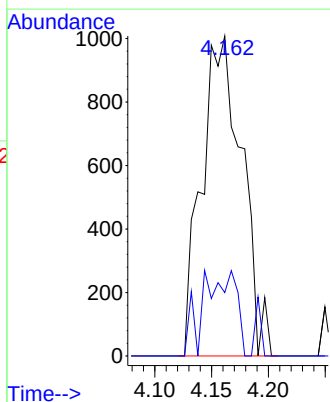
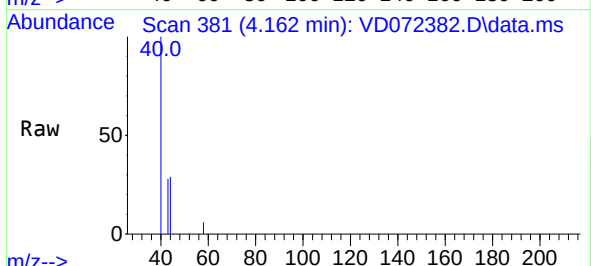


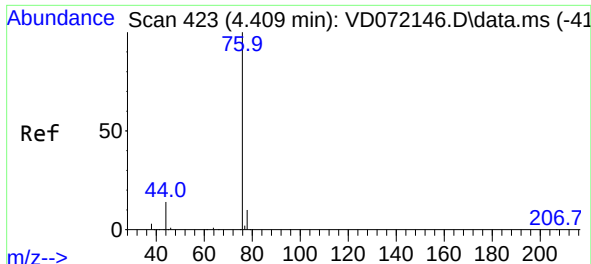
Tgt Ion: 59 Resp: 366  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#16  
Acetone  
Concen: 2.709 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

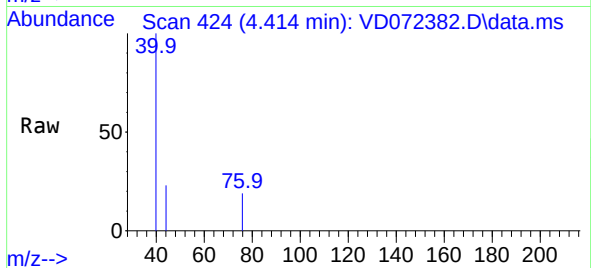
Tgt Ion: 43 Resp: 2474  
Ion Ratio Lower Upper  
43 100  
58 19.8 22.1 33.1#



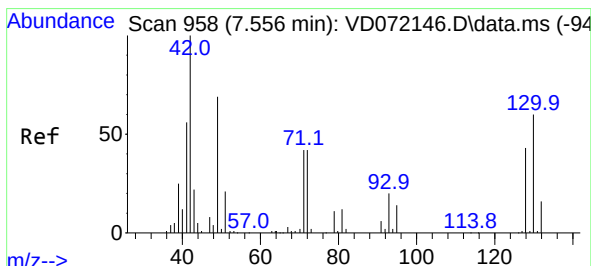
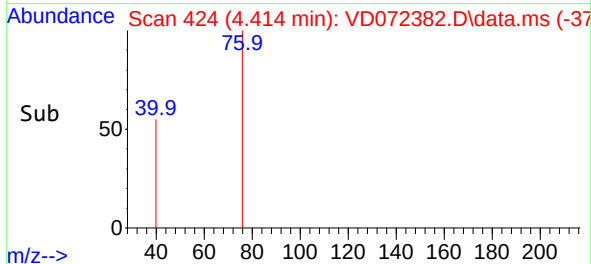
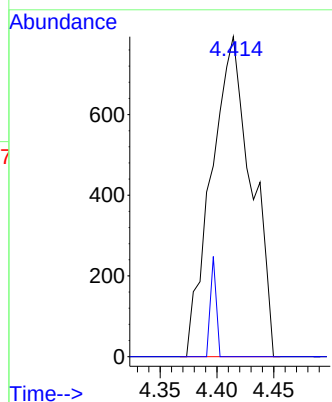


#17  
Carbon Disulfide  
Concen: 1.733 ug/l  
RT: 4.414 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Instrument :  
MSVOA\_D  
ClientSampleId :

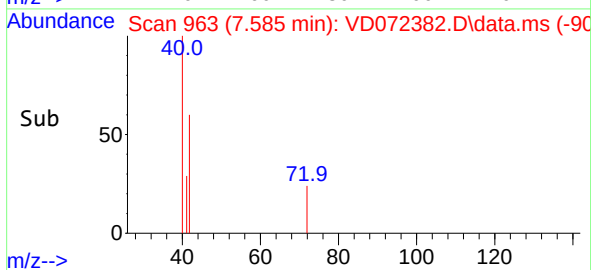
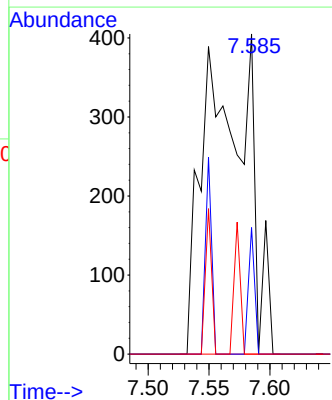
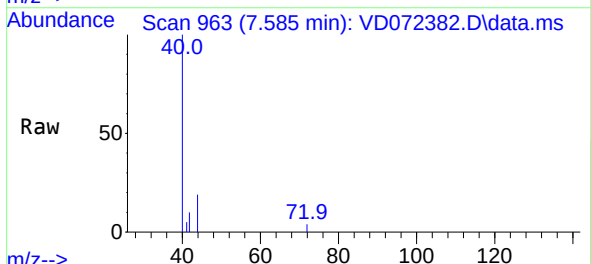


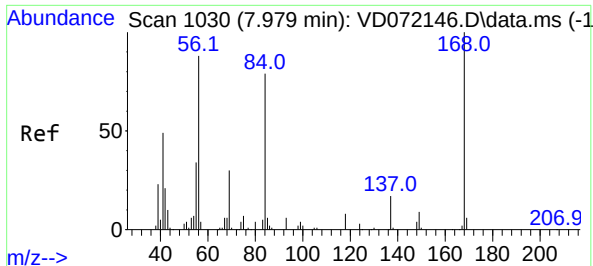
Tgt Ion: 76 Resp: 1939  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#29  
Tetrahydrofuran  
Concen: 1.376 ug/l  
RT: 7.585 min Scan# 963  
Delta R.T. 0.029 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

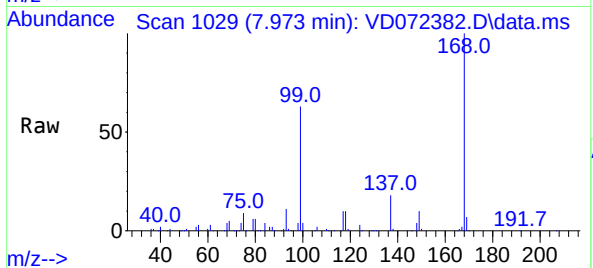
Tgt Ion: 42 Resp: 985  
Ion Ratio Lower Upper  
42 100  
72 5.7 30.7 46.1#  
71 6.0 28.6 43.0#



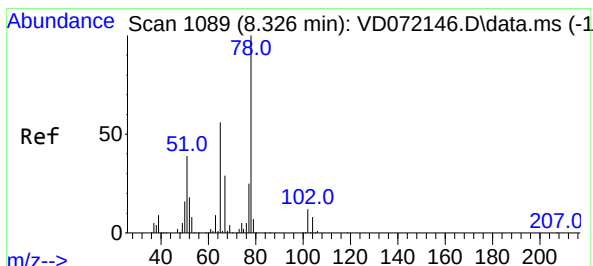
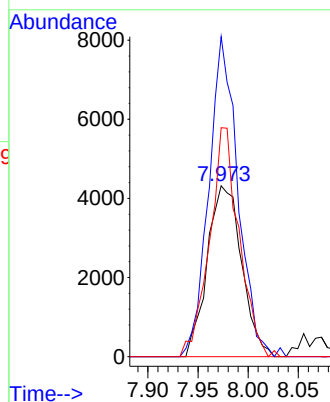
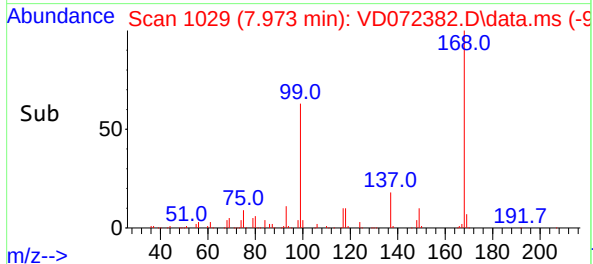


#31  
Cyclohexane  
Concen: 1.566 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Instrument :  
MSVOA\_D  
ClientSampleId :

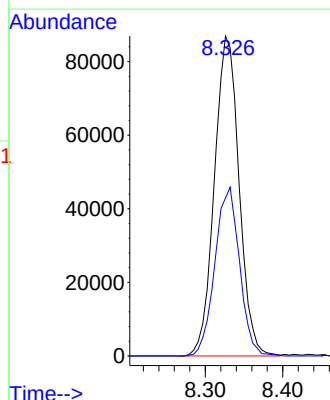
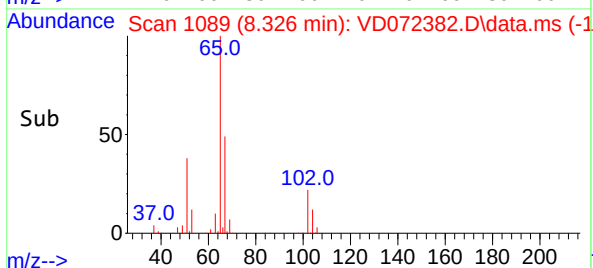
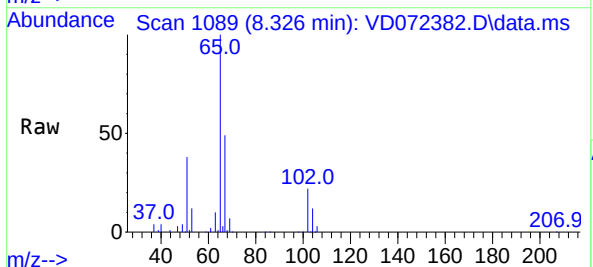


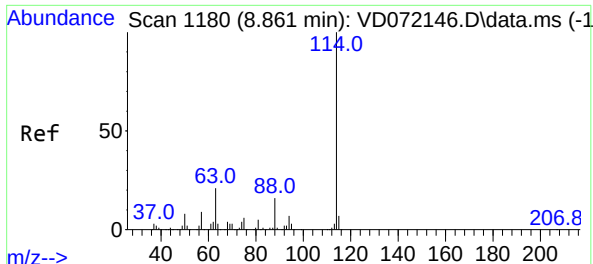
Tgt Ion: 56 Resp: 10293  
Ion Ratio Lower Upper  
56 100  
69 187.2 25.4 38.2#  
84 134.0 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 45.757 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Tgt Ion: 65 Resp: 192465  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072382.D

Acq: 23 Mar 2022 14:23

Instrument :

MSVOA\_D

ClientSampleId :

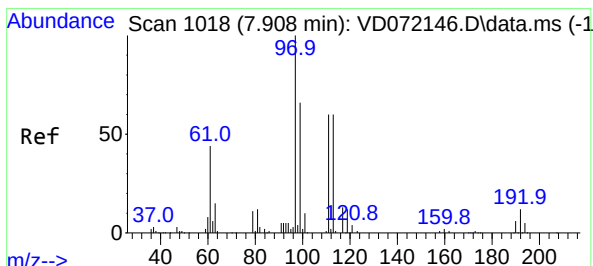
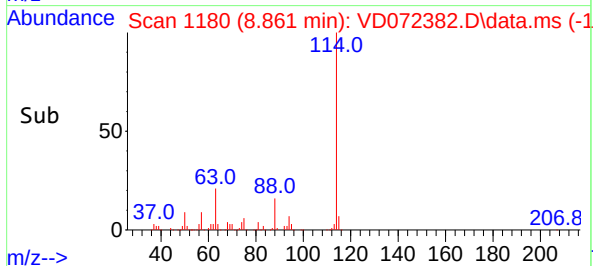
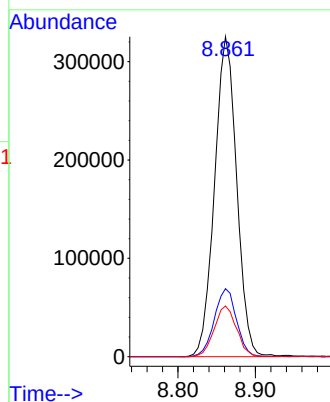
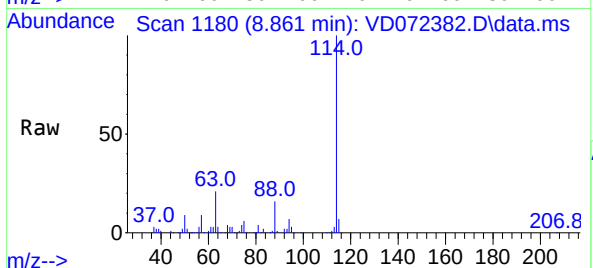
Tgt Ion:114 Resp: 645092

Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.030 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072382.D

Acq: 23 Mar 2022 14:23

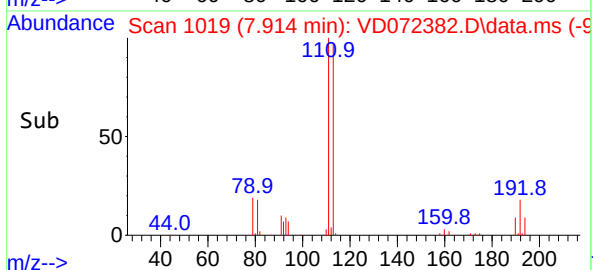
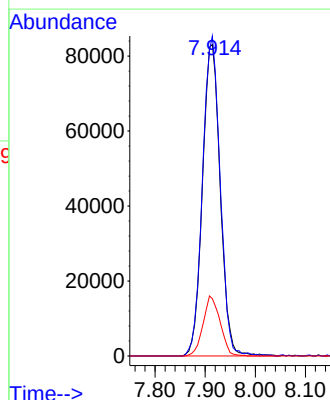
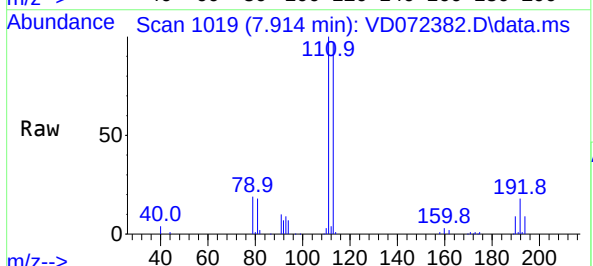
Tgt Ion:113 Resp: 204417

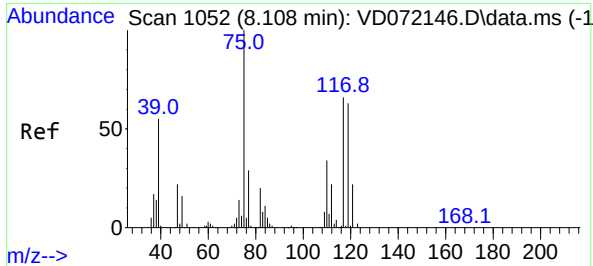
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 18.5 14.6 21.8

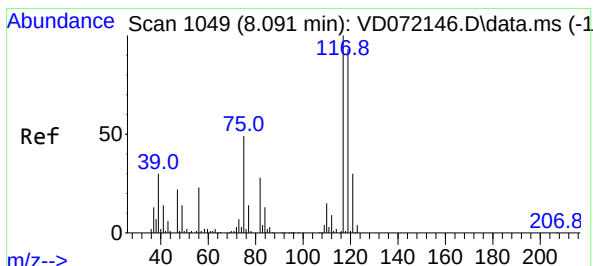
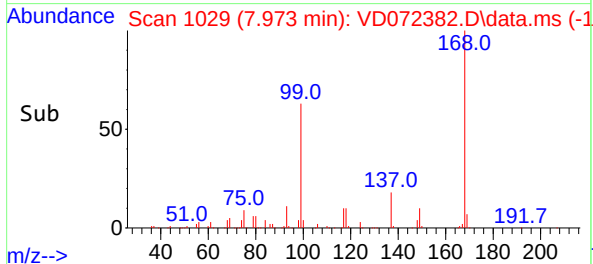
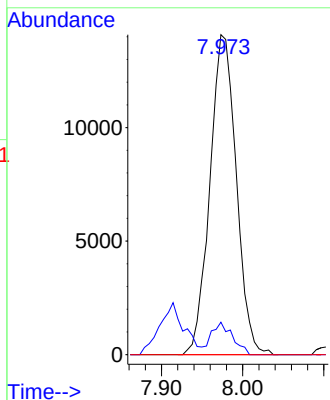
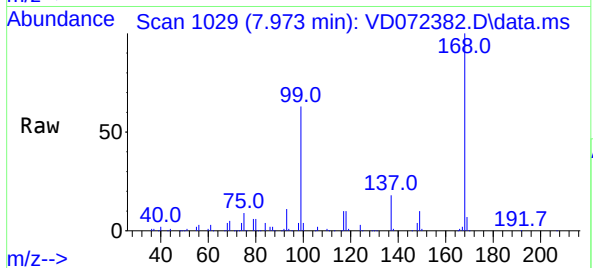




#36  
1,1-Dichloropropene  
Concen: 5.001 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.135 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

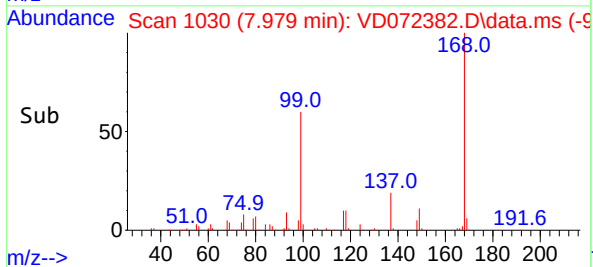
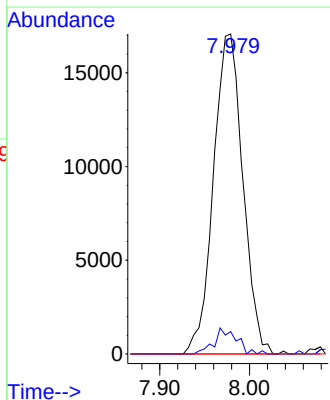
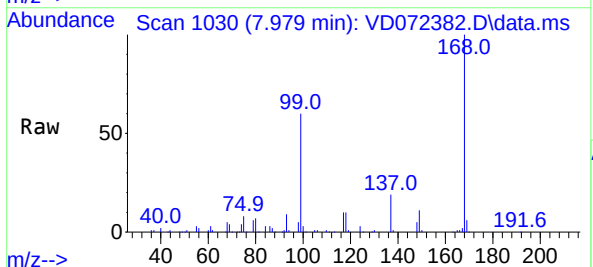
Instrument :  
MSVOA\_D  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 31850 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.1   | 16.4  | 49.1# |
| 77       | 0.0   | 24.2  | 36.2# |

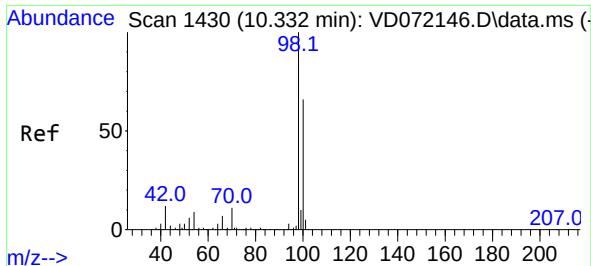


#38  
Carbon Tetrachloride  
Concen: 5.360 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.112 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 38803  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.0   | 75.8  | 113.6# |
| 121      | 0.0   | 24.5  | 36.7#  |



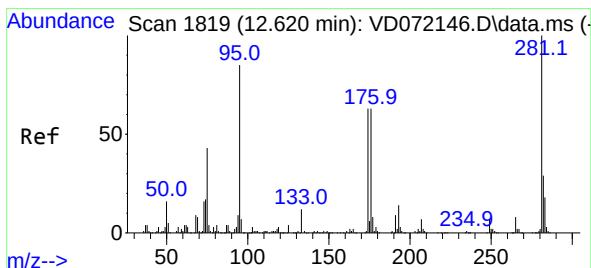
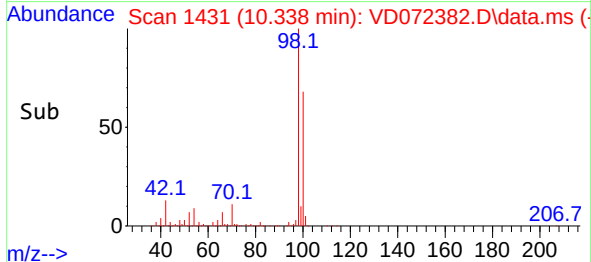
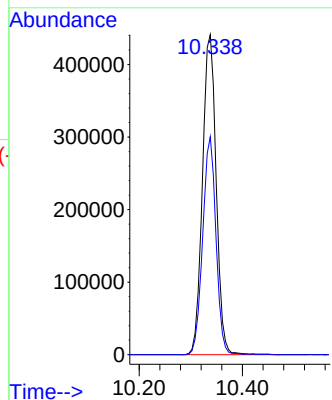
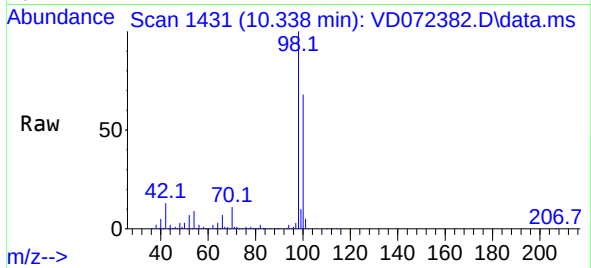




#50  
Toluene-d8  
Concen: 48.957 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

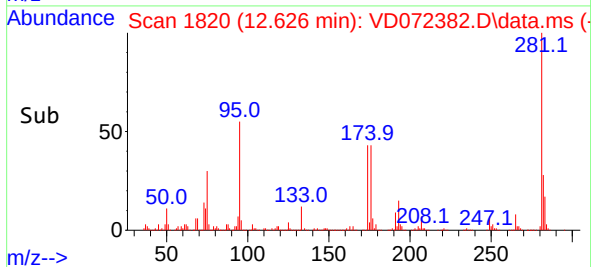
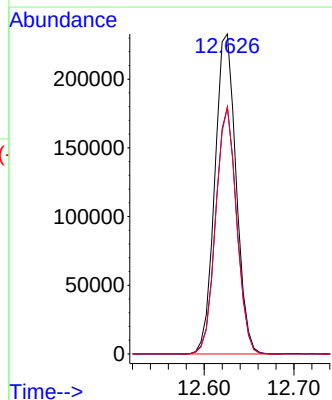
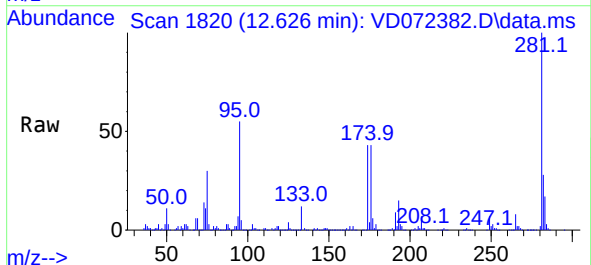
Instrument :  
MSVOA\_D  
ClientSampleId :

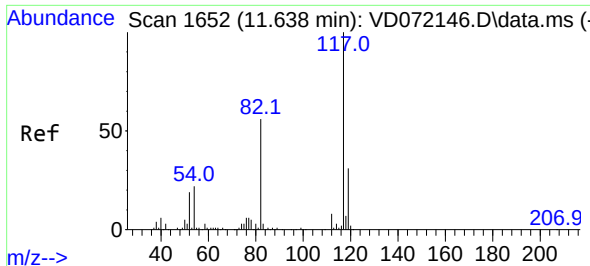
Tgt Ion: 98 Resp: 812641  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 59.411 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

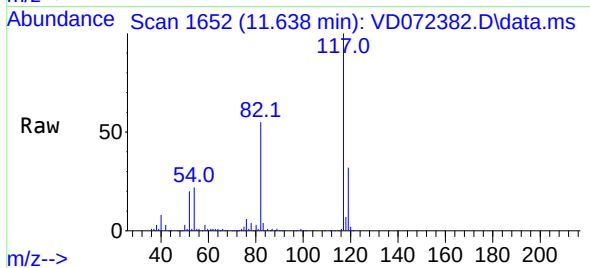
Tgt Ion: 95 Resp: 383180  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 152.8  
176 75.3 0.0 145.4



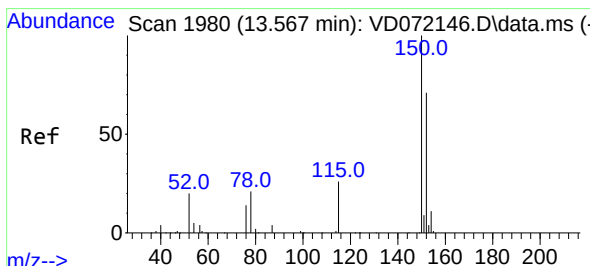
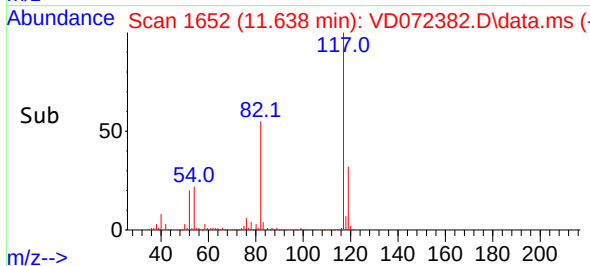
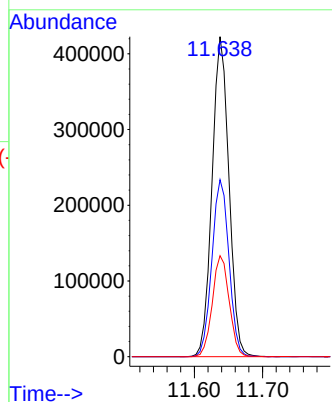


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Instrument :  
MSVOA\_D  
ClientSampleId :

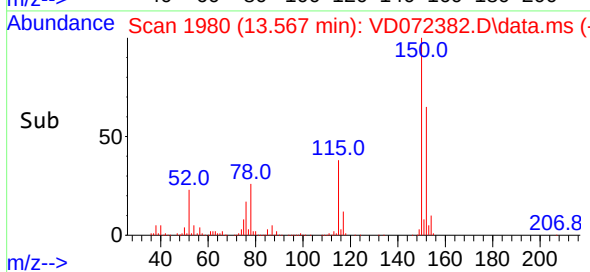
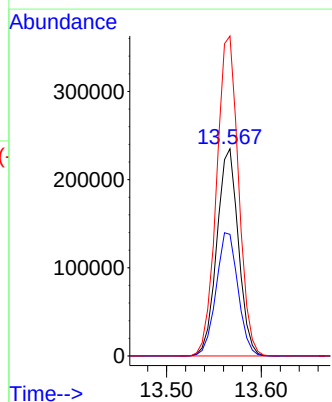
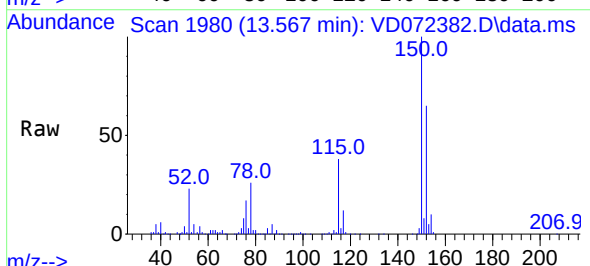


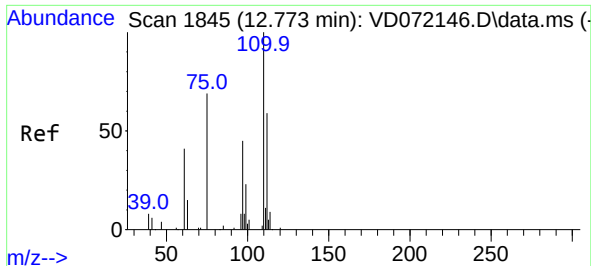
Tgt Ion:117 Resp: 729383  
Ion Ratio Lower Upper  
117 100  
82 55.3 45.3 67.9  
119 31.6 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Tgt Ion:152 Resp: 371533  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.3 93.8  
150 157.3 0.0 348.6

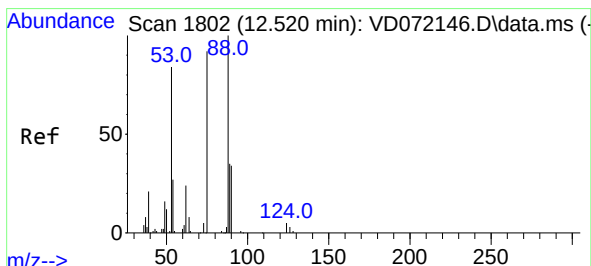
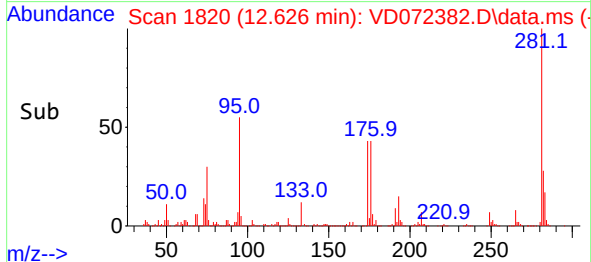
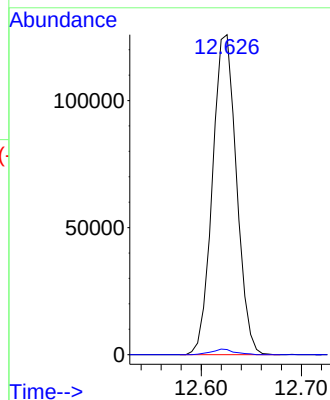
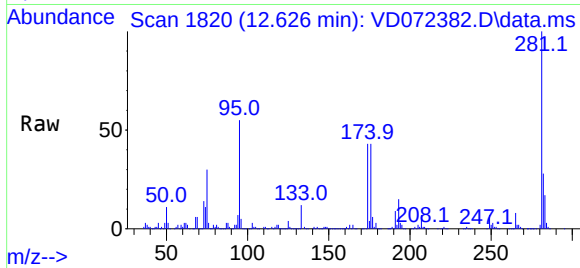




#76  
1,2,3-Trichloropropane  
Concen: 51.157 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 209660  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.927 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD072382.D  
Acq: 23 Mar 2022 14:23

Tgt Ion: 75 Resp: 209660  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 2.7 33.9 50.9#

