

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092121\  
 Data File : VX024392.D  
 Acq On : 21 Sep 2021 17:36  
 Operator : JC/MD  
 Sample : M3835-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SW-CB-02-(0.2)

Quant Time: Oct 01 04:08:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

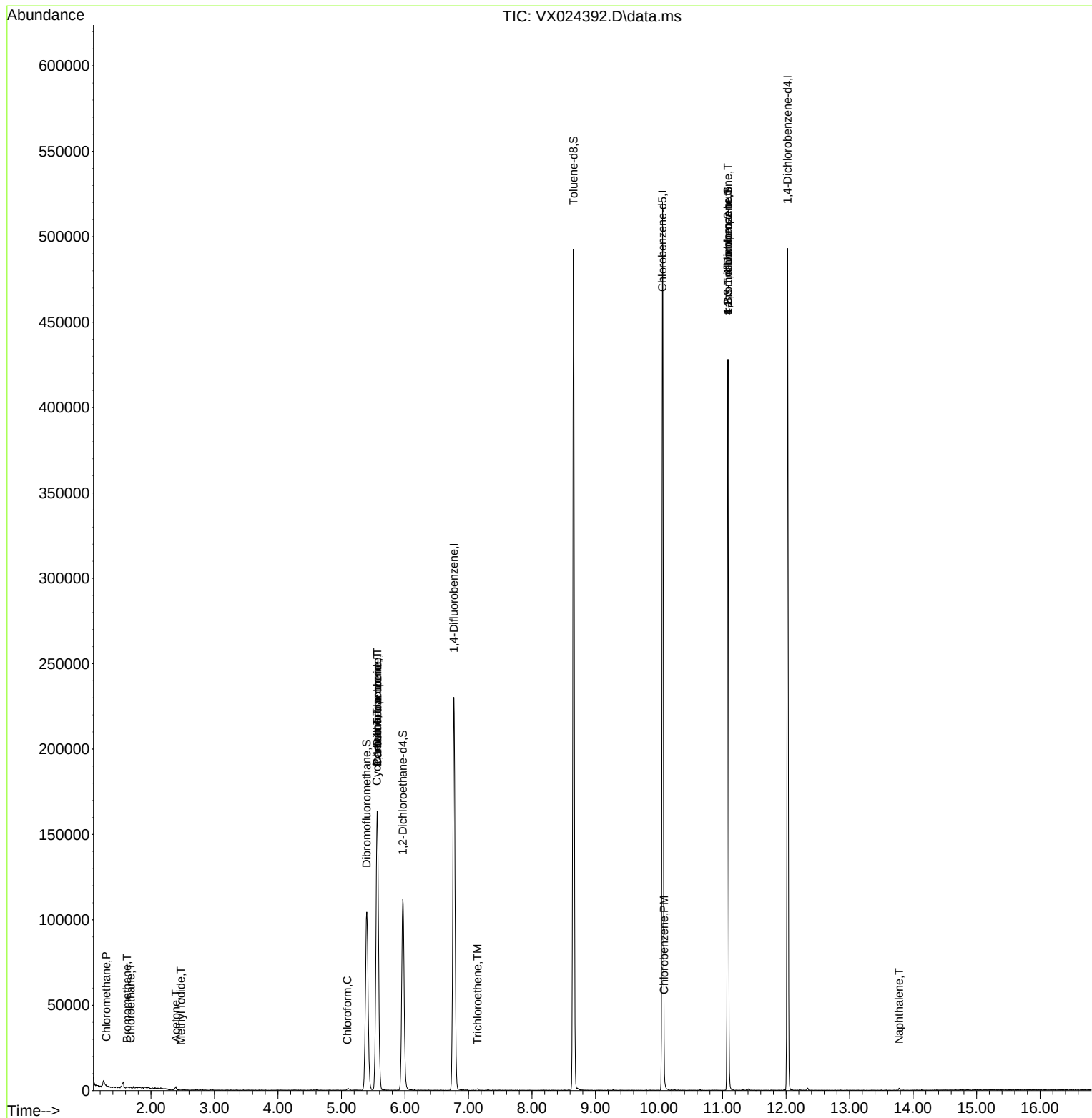
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 154822              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 228556              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 223875              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 97120               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 114408              | 51.822    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 103.640% |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 91533               | 59.716    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 119.440% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 281406              | 50.396    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 100.800% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 103405              | 47.585    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 95.160%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 1.294          | 50   | 335                 | 0.216     | ug/l # | 42       |
| 5) Bromomethane               | 1.624          | 94   | 412                 | 0.447     | ug/l # | 47       |
| 6) Chloroethane               | 1.679          | 64   | 352                 | 0.345     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.471          | 142  | 459                 | 0.218     | ug/l # | 83       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 256                 | Below Cal | #      | 73       |
| 16) Acetone                   | 2.392          | 43   | 1809                | 1.922     | ug/l # | 79       |
| 30) Chloroform                | 5.093          | 83   | 1327                | 0.417     | ug/l # | 76       |
| 31) Cyclohexane               | 5.556          | 56   | 3287                | 1.273     | ug/l # | 5        |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 12217               | 5.814     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 15556               | 6.577     | ug/l # | 17       |
| 44) Trichloroethene           | 7.141          | 130  | 375                 | 0.221     | ug/l   | 76       |
| 65) Chlorobenzene             | 10.079         | 112  | 1237                | 0.269     | ug/l   | 89       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 57435               | 25.719    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 57435               | 75.639    | ug/l # | 12       |
| 95) Naphthalene               | 13.780         | 128  | 926                 | 1.417     | ug/l   | 97       |
| -----                         |                |      |                     |           |        |          |

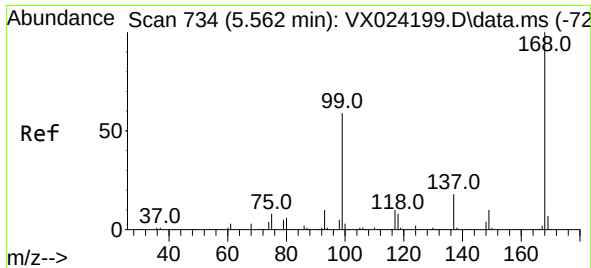
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092121\  
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Sample : M3835-04  
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ALS Vial : 15 Sample Multiplier: 1

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SW-CB-02-(0.2)

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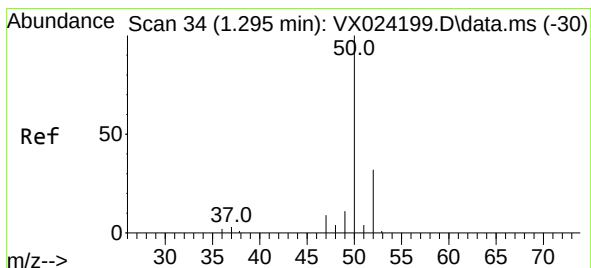
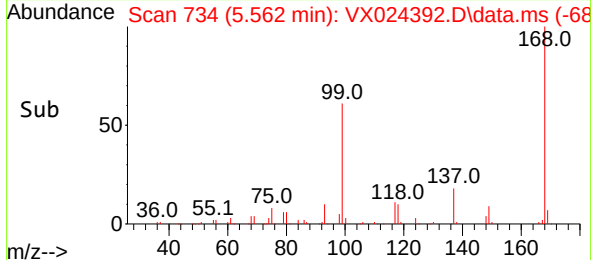
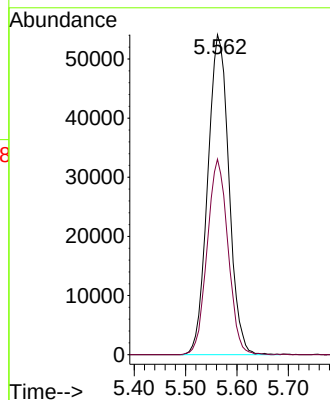
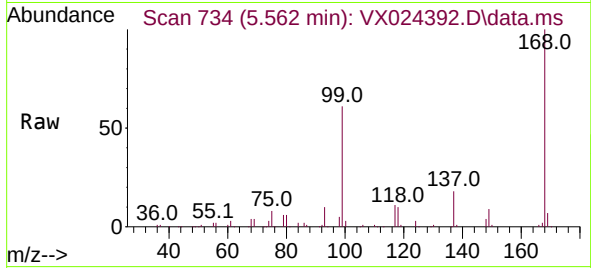




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

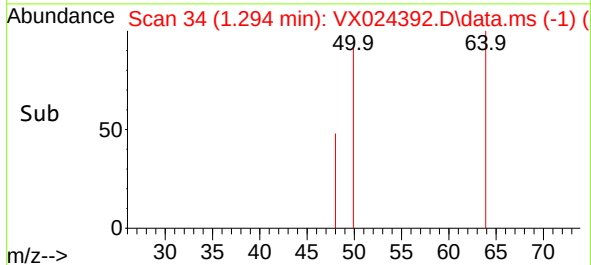
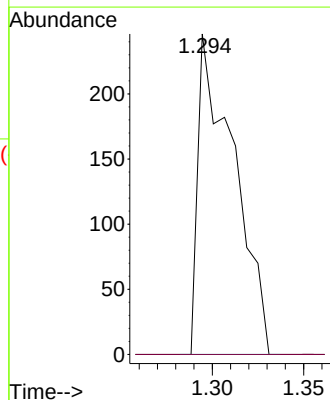
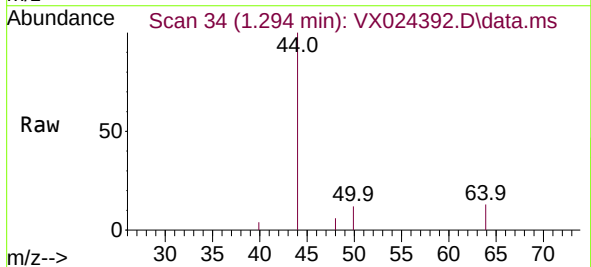
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

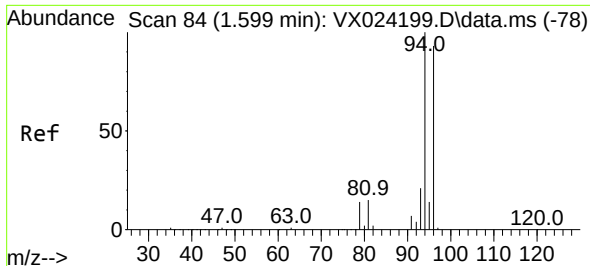
Tgt Ion:168 Resp: 154822  
Ion Ratio Lower Upper  
168 100  
99 61.1 45.8 68.6



#3  
Chloromethane  
Concen: 0.216 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.001 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 50 Resp: 335  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

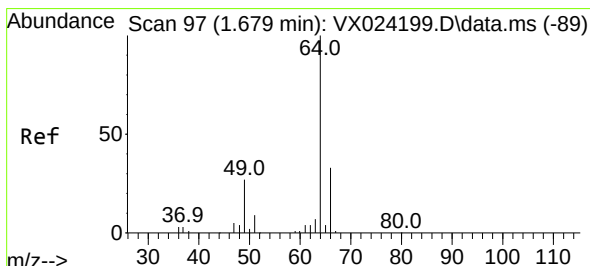
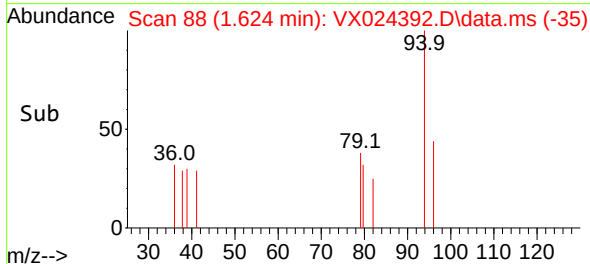
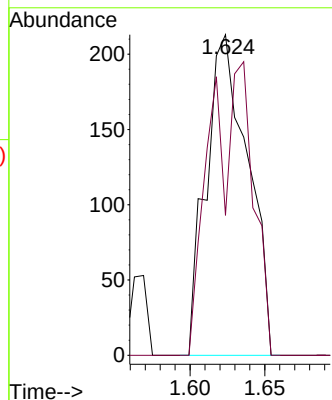
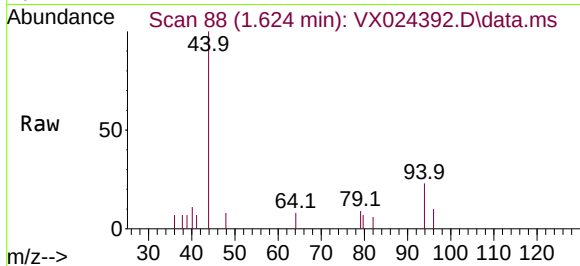




#5  
Bromomethane  
Concen: 0.447 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

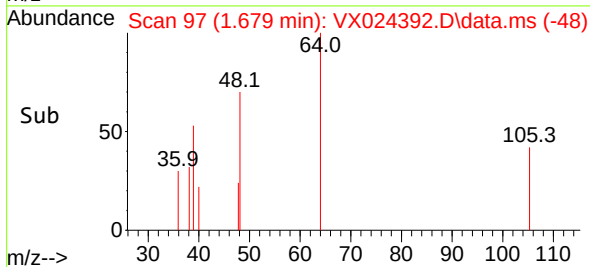
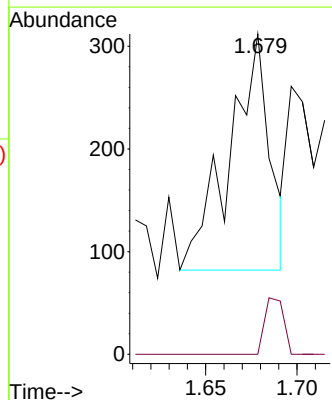
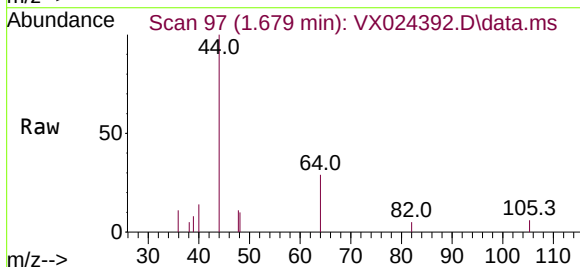
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

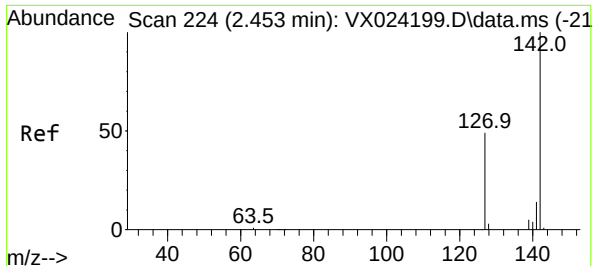
Tgt Ion: 94 Resp: 412  
Ion Ratio Lower Upper  
94 100  
96 43.7 76.4 114.6#



#6  
Chloroethane  
Concen: 0.345 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

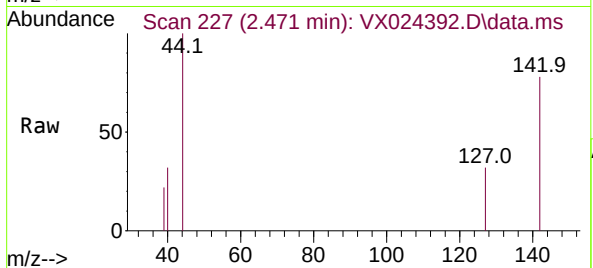
Tgt Ion: 64 Resp: 352  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



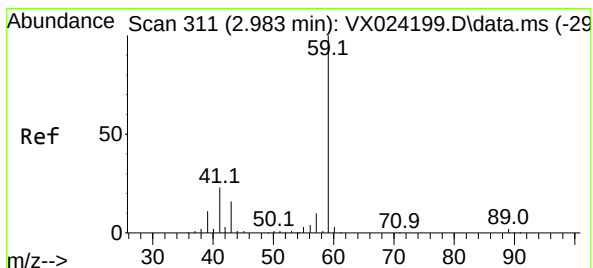
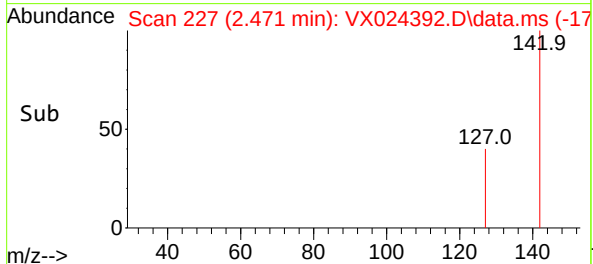
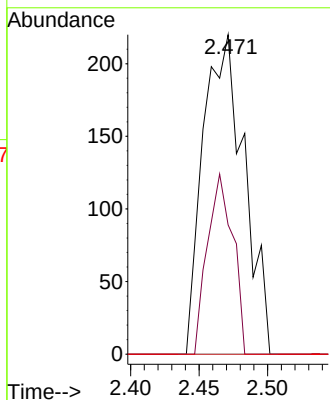


#10  
Methyl Iodide  
Concen: 0.218 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.018 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

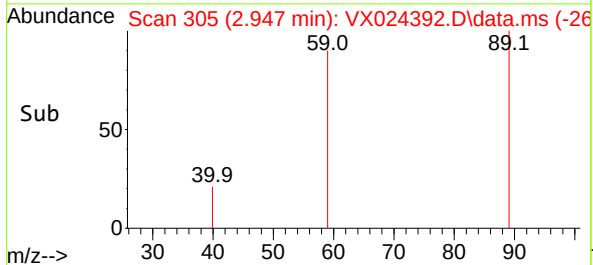
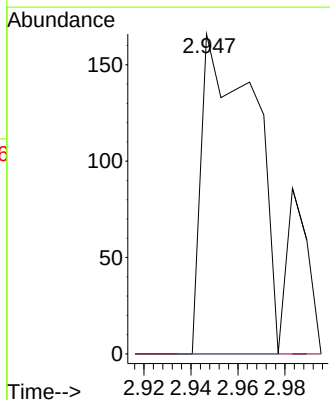
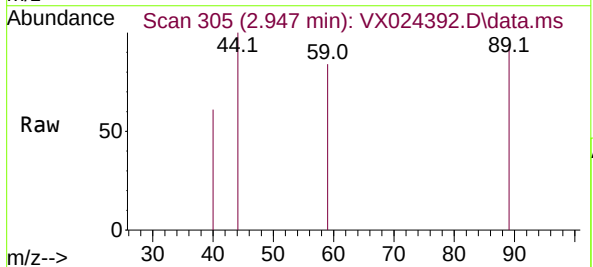


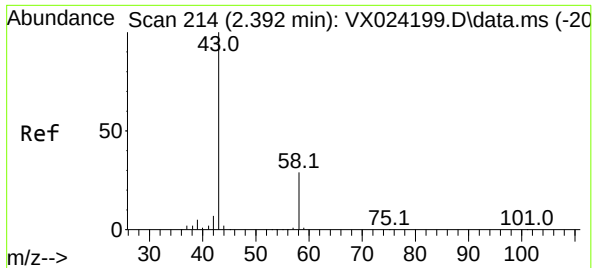
Tgt Ion:142 Resp: 459  
Ion Ratio Lower Upper  
142 100  
127 34.9 33.3 49.9  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.947 min Scan# 305  
Delta R.T. -0.036 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 59 Resp: 256  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

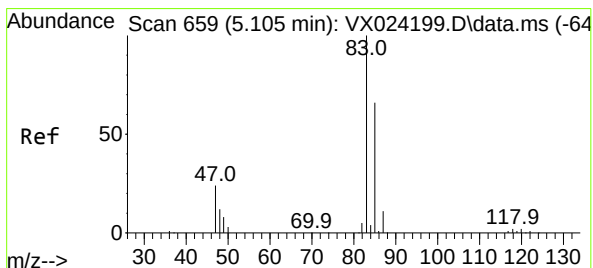
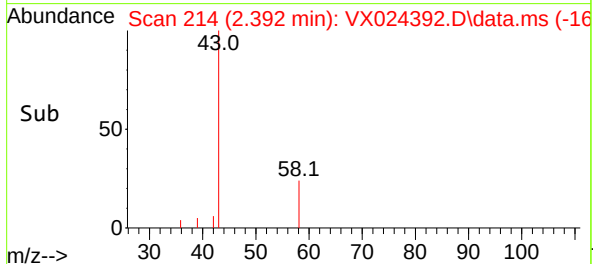
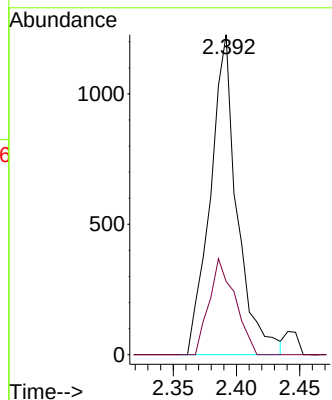
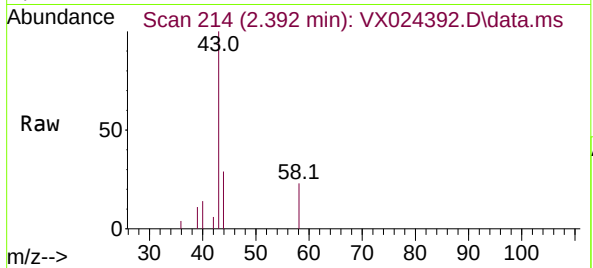




#16  
Acetone  
Concen: 1.922 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

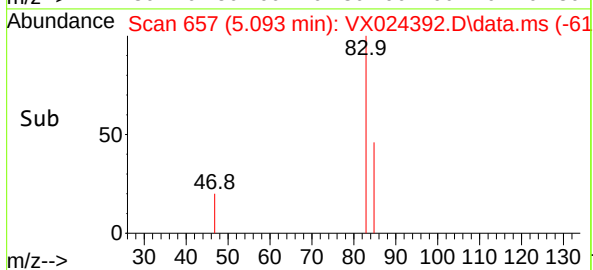
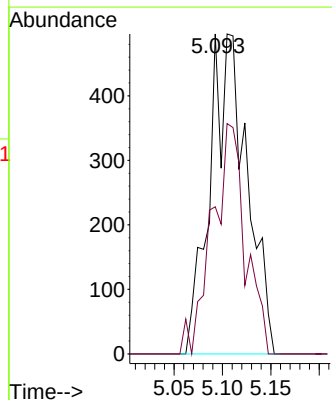
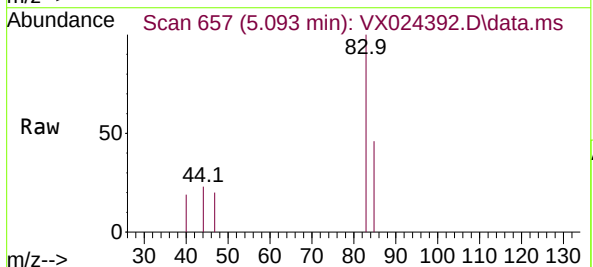
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

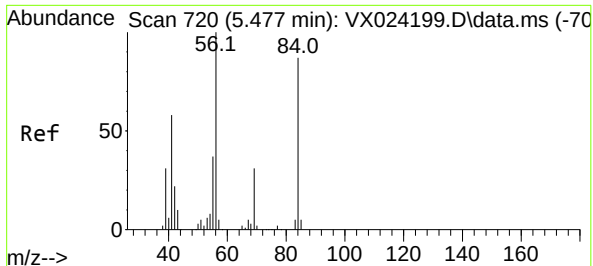
Tgt Ion: 43 Resp: 1809  
Ion Ratio Lower Upper  
43 100  
58 22.9 27.8 41.8#



#30  
Chloroform  
Concen: 0.417 ug/l  
RT: 5.093 min Scan# 657  
Delta R.T. -0.012 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 83 Resp: 1327  
Ion Ratio Lower Upper  
83 100  
85 46.0 52.0 78.0#

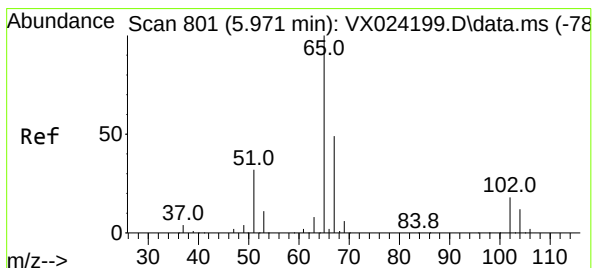
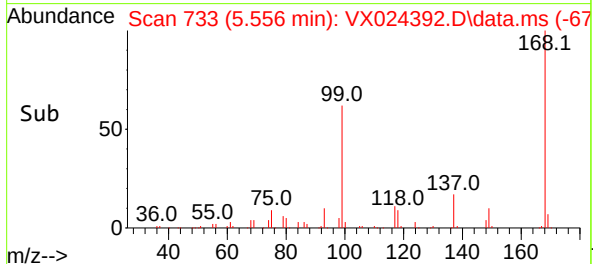
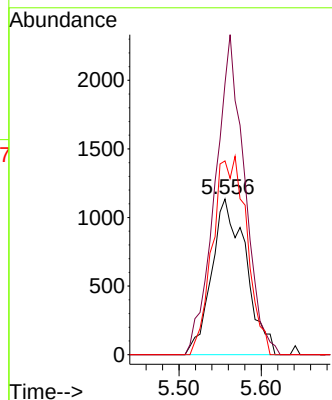
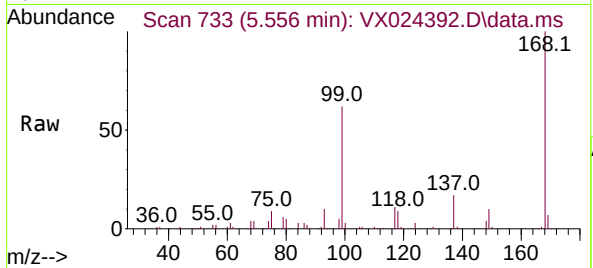




#31  
Cyclohexane  
Concen: 1.273 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

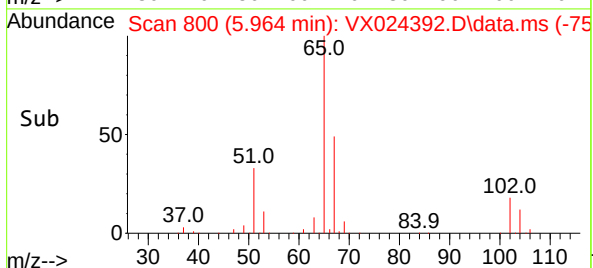
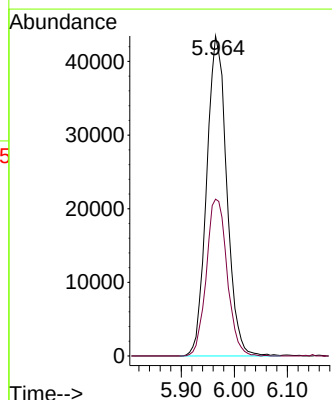
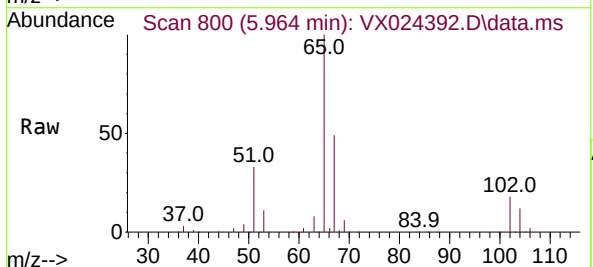
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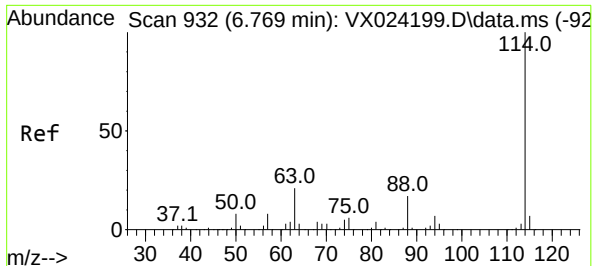
Tgt Ion: 56 Resp: 3287  
Ion Ratio Lower Upper  
56 100  
69 174.2 25.3 37.9#  
84 124.5 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.822 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 65 Resp: 114408  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.4

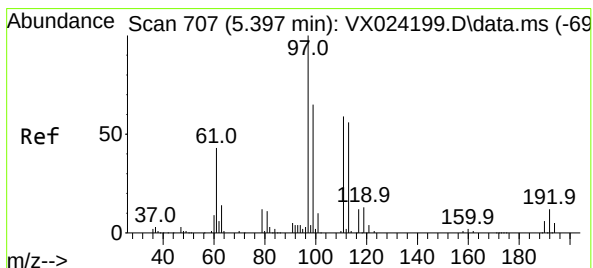
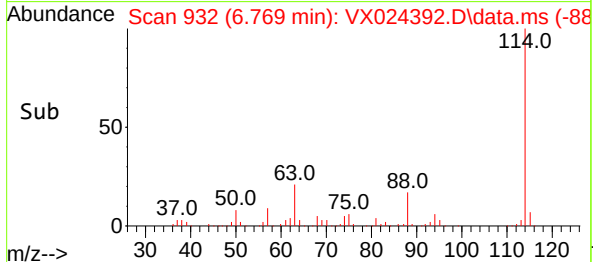
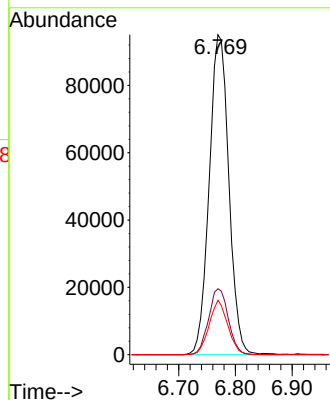
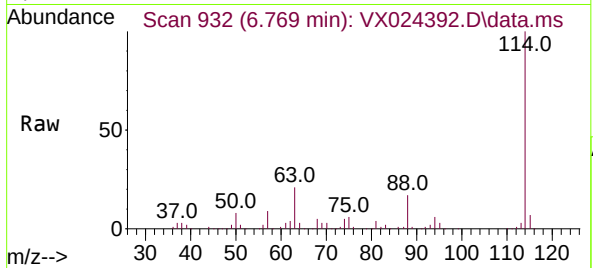




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

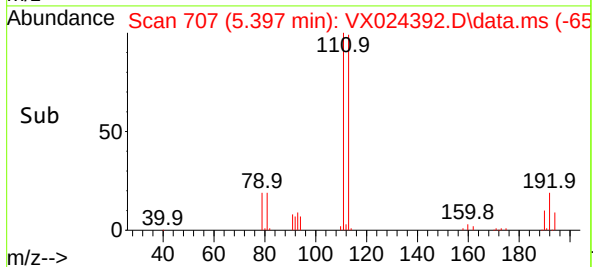
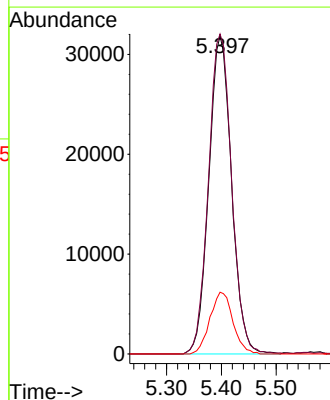
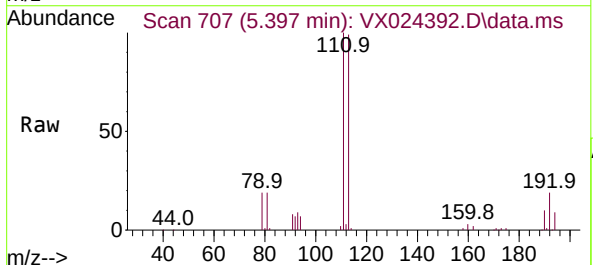
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 228556 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.6  | 0.0   | 40.8   |
| 88        | 17.0  | 0.0   | 32.8   |

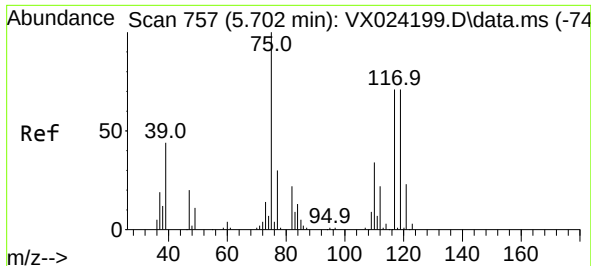


#35  
Dibromofluoromethane  
Concen: 59.716 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 91533 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.7 | 81.9  | 122.9 |
| 192       | 19.7  | 16.7  | 25.1  |



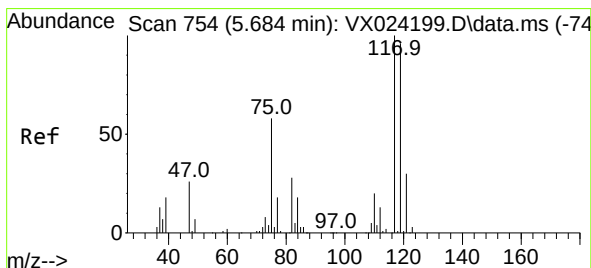
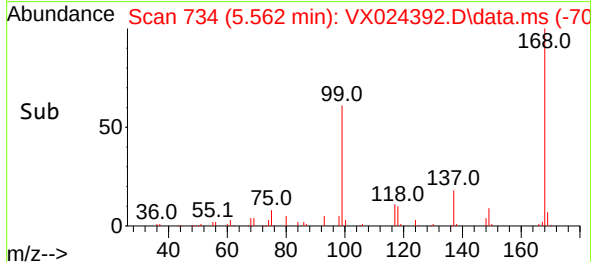
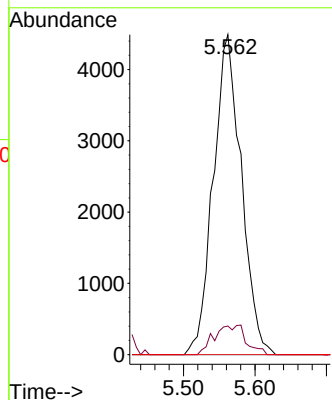
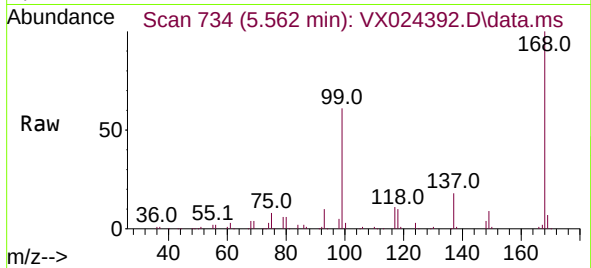




#36  
1,1-Dichloropropene  
Concen: 5.814 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

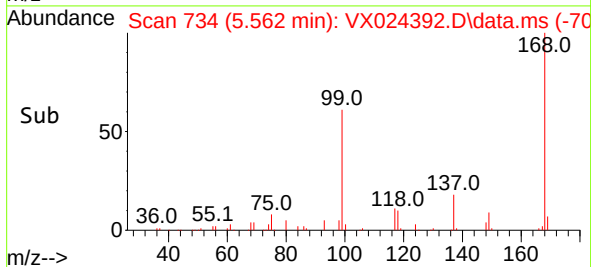
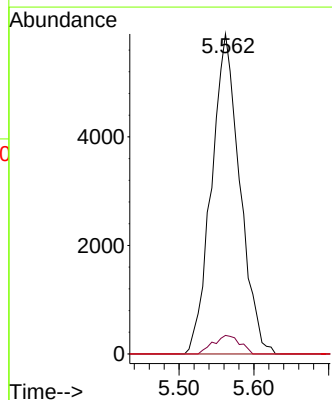
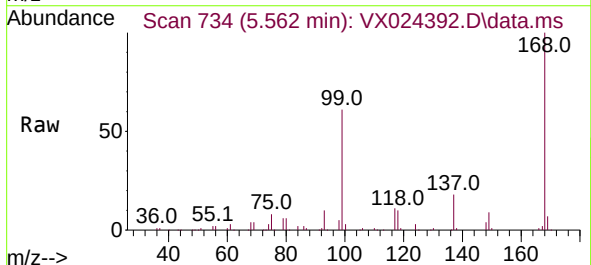
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

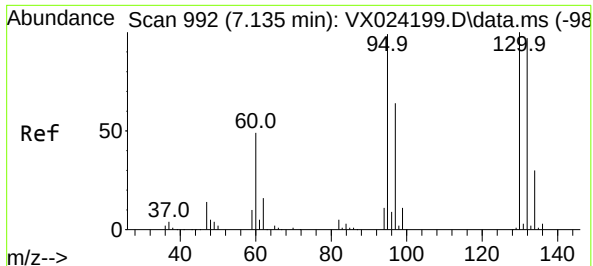
Tgt Ion: 75 Resp: 12217  
Ion Ratio Lower Upper  
75 100  
110 10.5 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.577 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 117 Resp: 15556  
Ion Ratio Lower Upper  
117 100  
119 5.8 76.2 114.2#  
121 0.0 24.8 37.2#

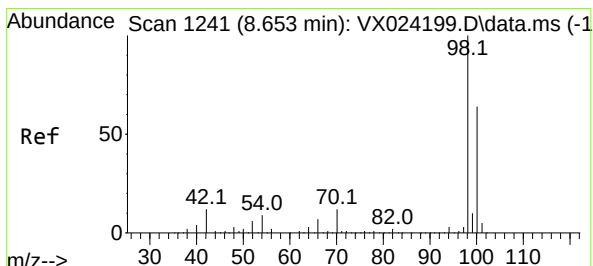
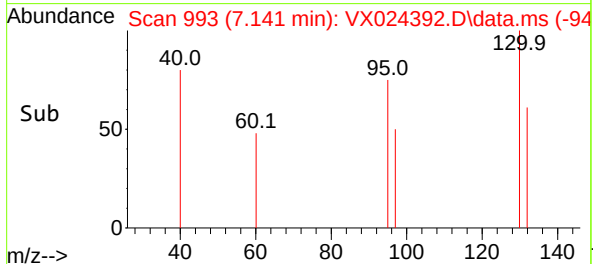
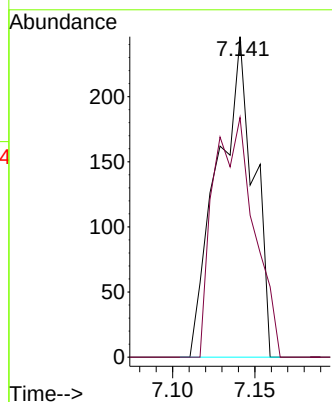
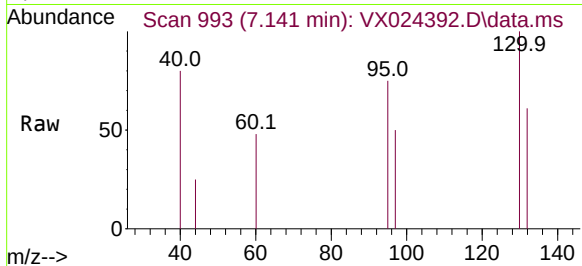




#44  
Trichloroethene  
Concen: 0.221 ug/l  
RT: 7.141 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

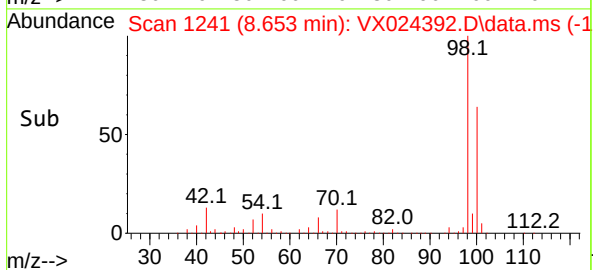
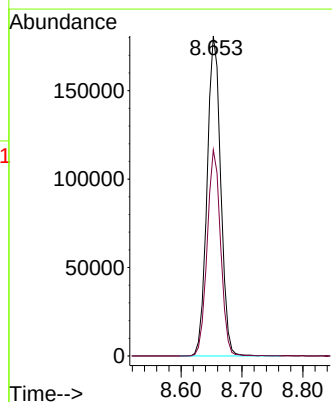
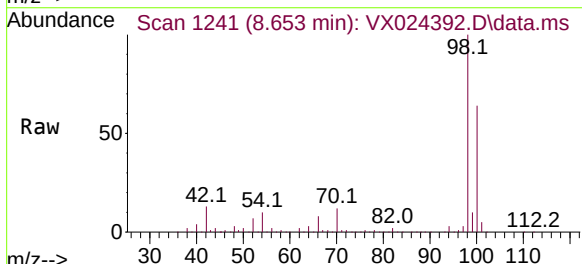
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

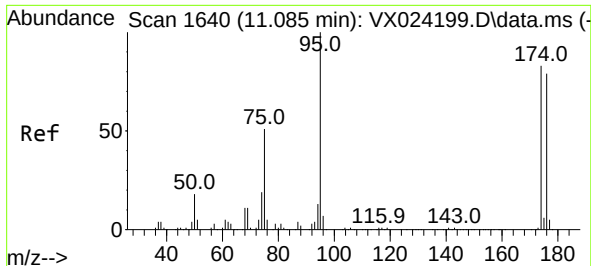
Tgt Ion:130 Resp: 375  
Ion Ratio Lower Upper  
130 100  
95 74.8 0.0 198.0



#50  
Toluene-d8  
Concen: 50.396 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 98 Resp: 281406  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.9 77.9

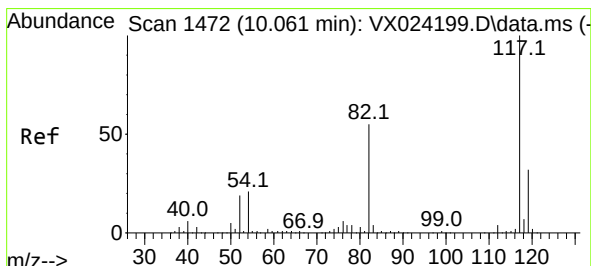
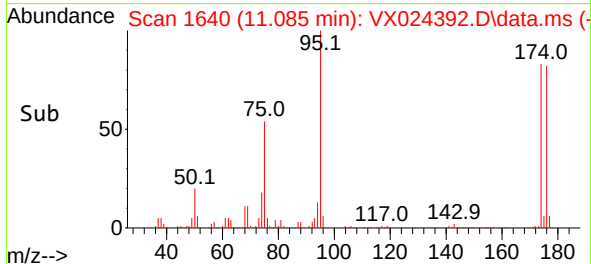
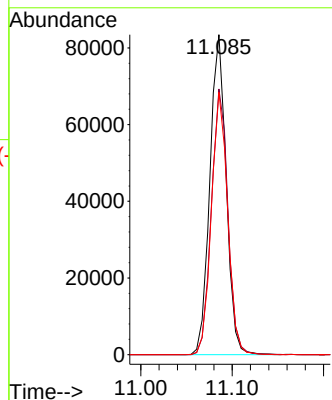
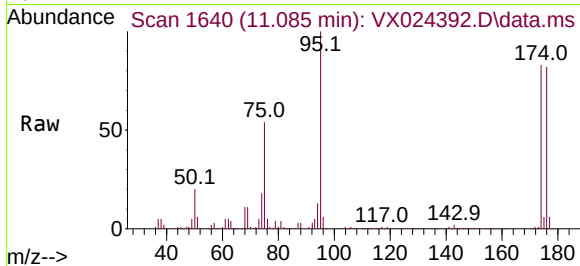




#62  
4-Bromofluorobenzene  
Concen: 47.585 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

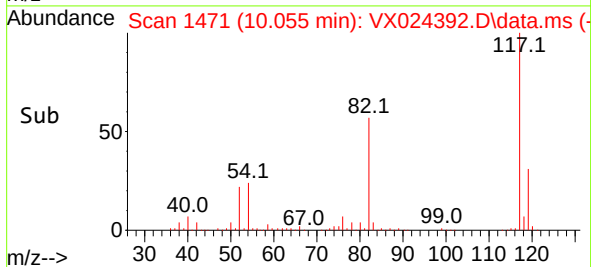
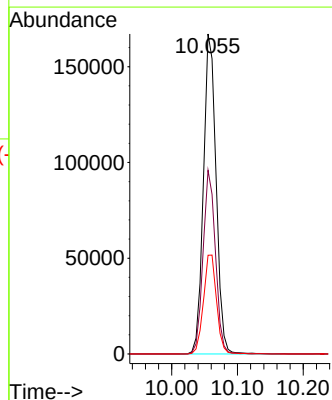
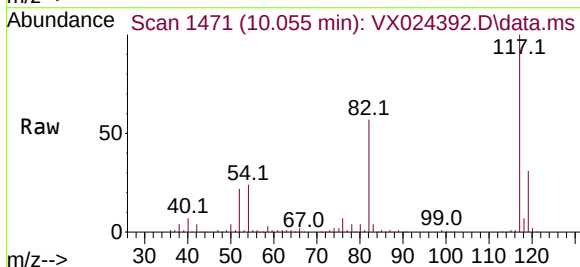
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

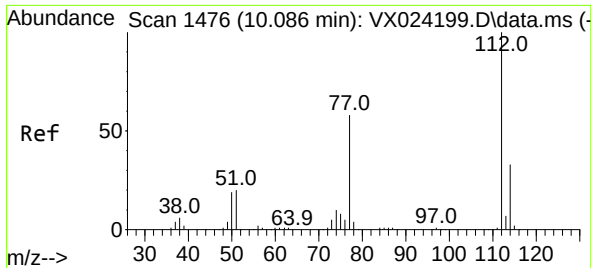
Tgt Ion: 95 Resp: 103405  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 154.6  
176 81.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion: 117 Resp: 223875  
Ion Ratio Lower Upper  
117 100  
82 57.4 47.4 71.2  
119 30.9 26.6 39.8

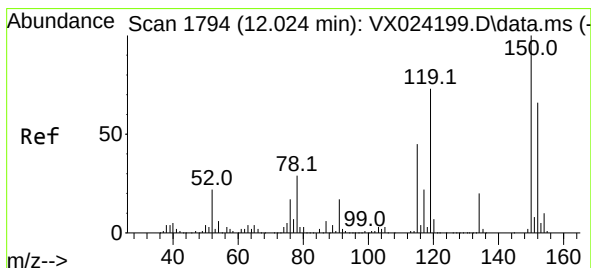
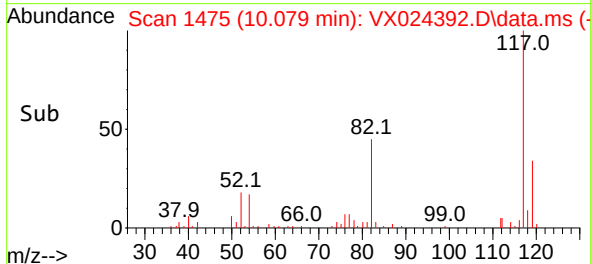
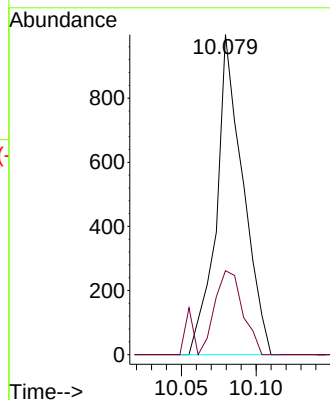
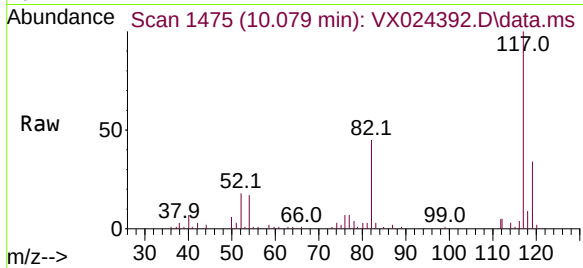




#65  
Chlorobenzene  
Concen: 0.269 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.007 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

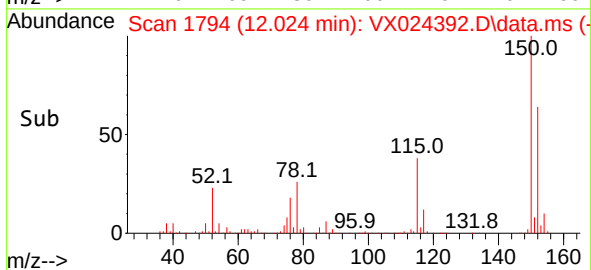
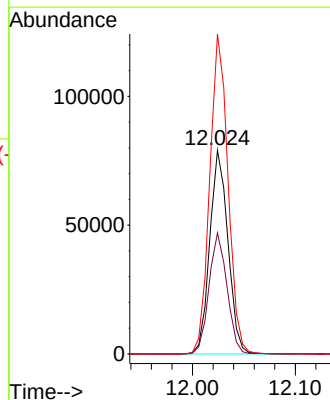
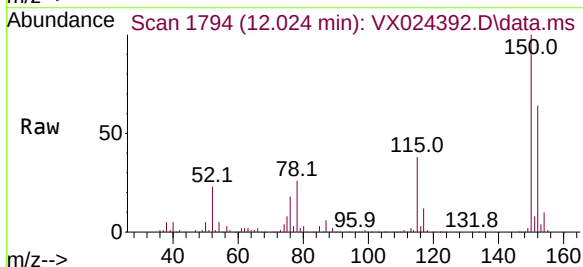
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

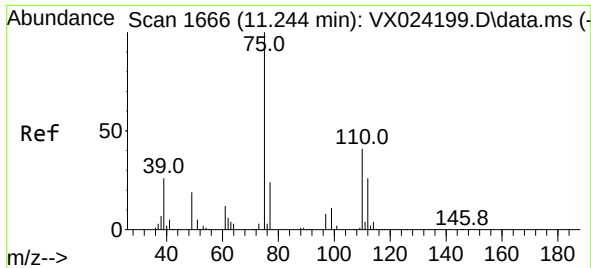
Tgt Ion:112 Resp: 1237  
Ion Ratio Lower Upper  
112 100  
114 26.3 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Tgt Ion:152 Resp: 97120  
Ion Ratio Lower Upper  
152 100  
115 58.9 41.1 123.3  
150 157.7 0.0 349.0

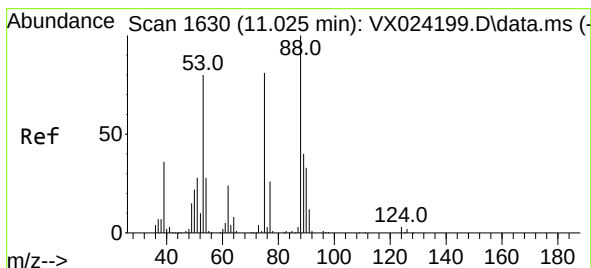
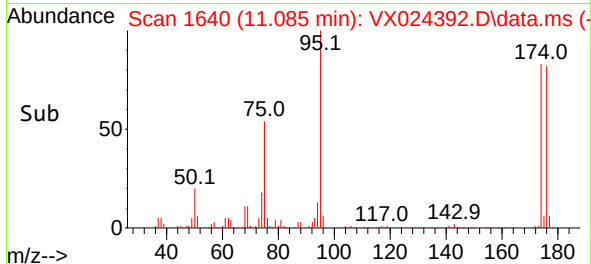
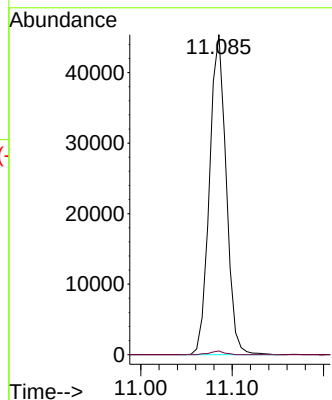
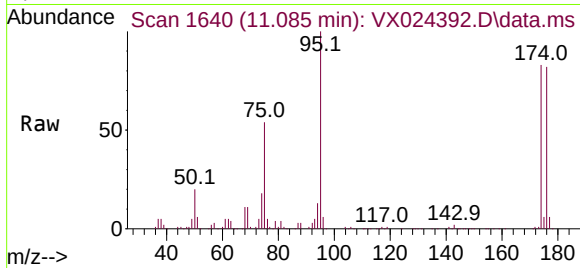




#76  
1,2,3-Trichloropropane  
Concen: 25.719 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

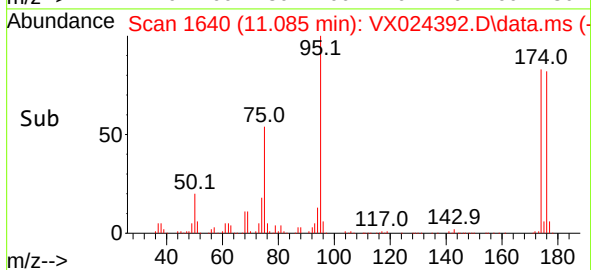
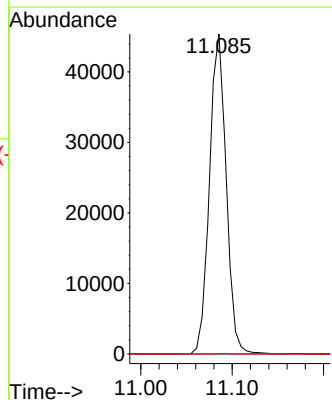
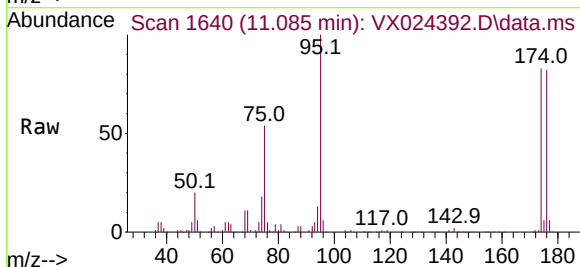
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)

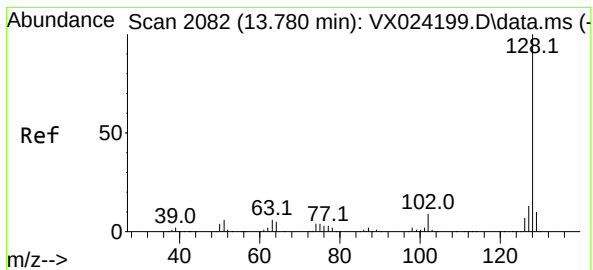
Tgt Ion: 75 Resp: 57435  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.639 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

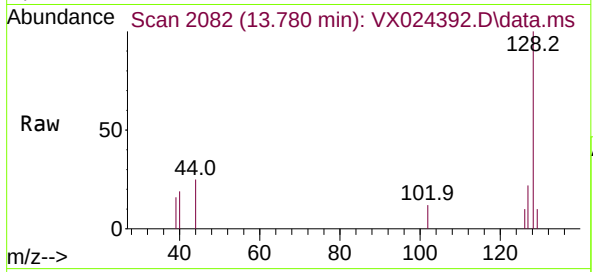
Tgt Ion: 75 Resp: 57435  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.1 37.9 56.9#





#95  
Naphthalene  
Concen: 1.417 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX024392.D  
Acq: 21 Sep 2021 17:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 926   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.2  | 10.3  | 15.5  |
| 129      | 10.8  | 8.8   | 13.2  |

