

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090122\  
 Data File : VX031034.D  
 Acq On : 01 Sep 2022 20:56  
 Operator : JC/MD  
 Sample : N4297-19  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW8-MW01D3-20220821

Quant Time: Sep 02 02:56:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090122W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 02:49:21 2022  
 Response via : Initial Calibration

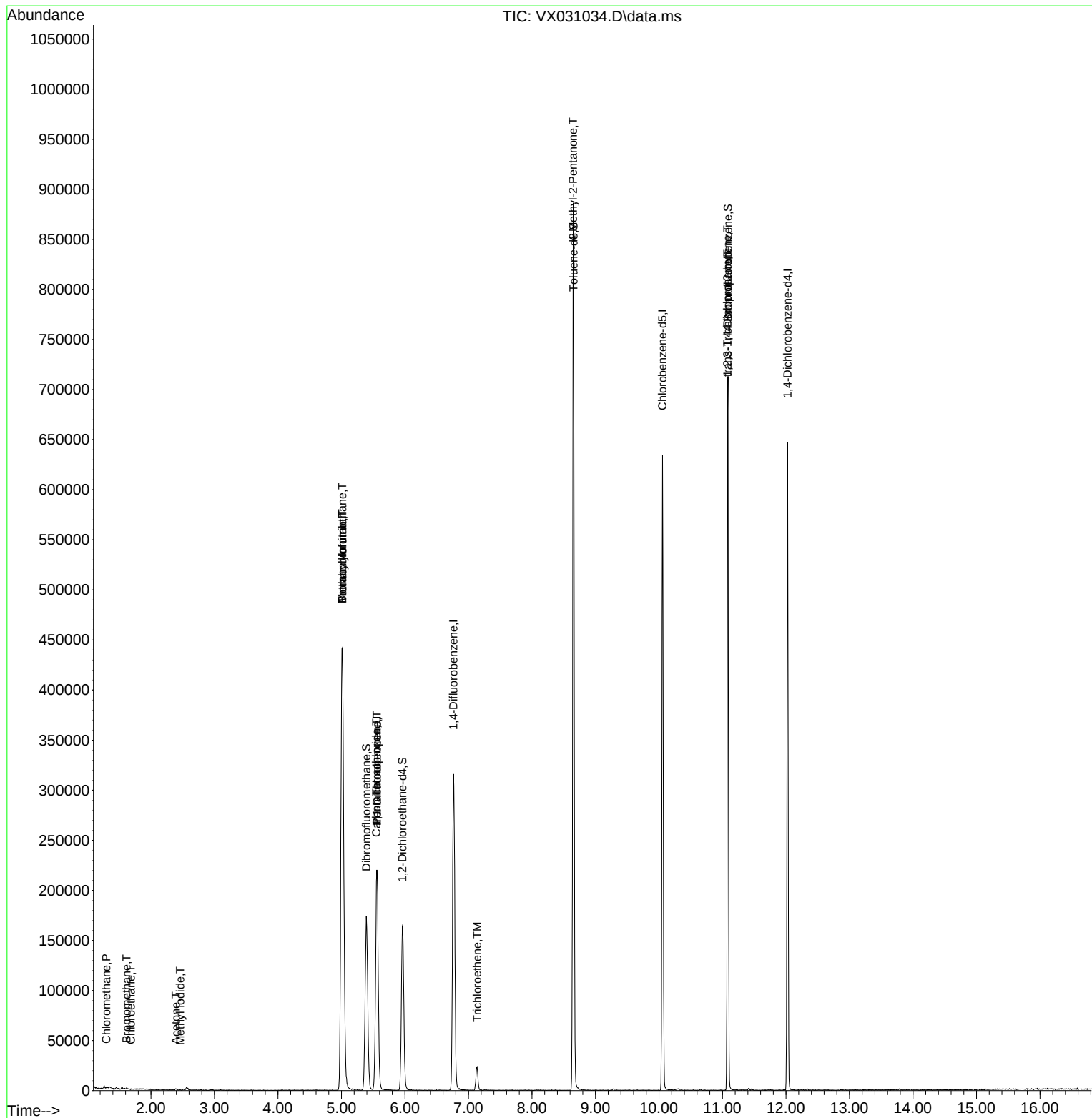
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 228699   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 367398   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 315849   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 139806   | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 159524   | 54.211    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery  | = 108.420% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 156121   | 58.229    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 116.460% |          |
| 50) Toluene-d8                | 8.653     | 98    | 553706   | 56.114    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery  | = 112.220% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 186490   | 53.509    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 107.020% |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 1.295     | 50    | 228      | 0.800     | ug/l #     | 42       |
| 5) Bromomethane               | 1.618     | 94    | 407      | 0.370     | ug/l #     | 71       |
| 6) Chloroethane               | 1.685     | 64    | 129      | 1.809     | ug/l #     | 41       |
| 10) Methyl Iodide             | 2.459     | 142   | 348      | 3.032     | ug/l #     | 75       |
| 11) Tert butyl alcohol        | 2.977     | 59    | 349      | Below Cal | #          | 74       |
| 16) Acetone                   | 2.392     | 43    | 1424     | 1.254     | ug/l #     | 86       |
| 20) Methylene Chloride        | 2.782     | 84    | 269      | Below Cal | #          | 31       |
| 28) Bromochloromethane        | 5.013     | 49    | 848      | 0.597     | ug/l #     | 12       |
| 29) Tetrahydrofuran           | 5.013     | 42    | 417376   | 369.145   | ug/l #     | 86       |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 15372    | 4.093     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 21572    | 5.534     | ug/l #     | 17       |
| 41) Methacrylonitrile         | 5.013     | 41    | 227282   | 130.648   | ug/l #     | 43       |
| 44) Trichloroethene           | 7.135     | 130   | 10679    | 3.129     | ug/l       | 82       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 1667     | 0.508     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 86909    | 26.297    | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 86909    | 82.645    | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

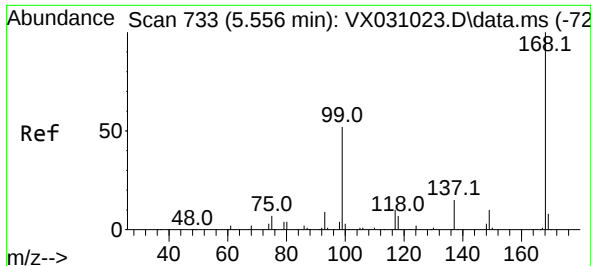
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
RW8-MW01D3-20220821

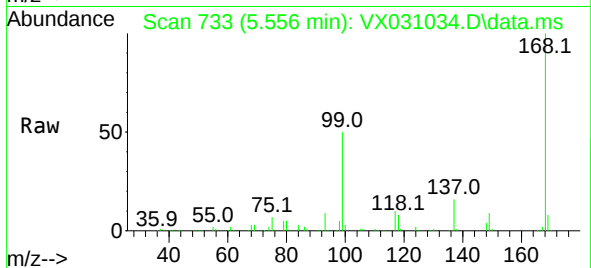
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090122W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 02 02:49:21 2022  
Response via : Initial Calibration



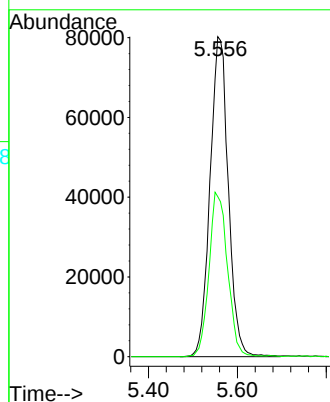
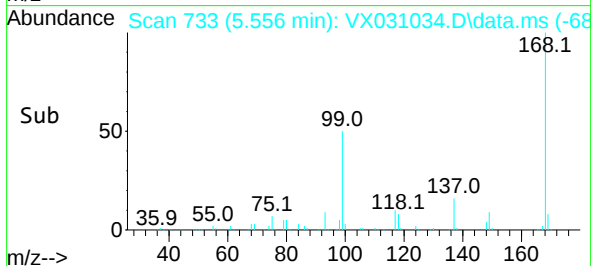


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

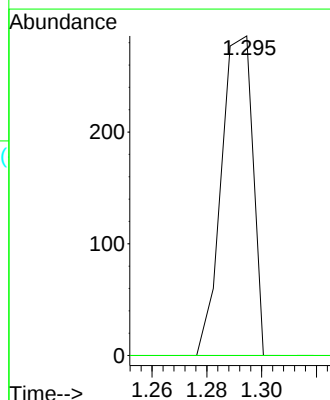
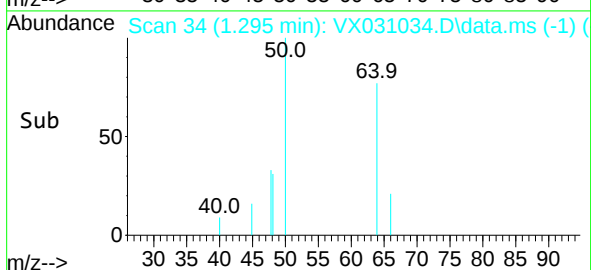
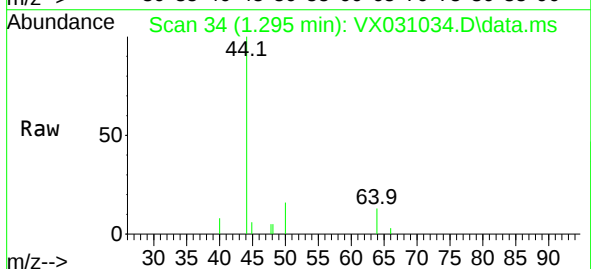


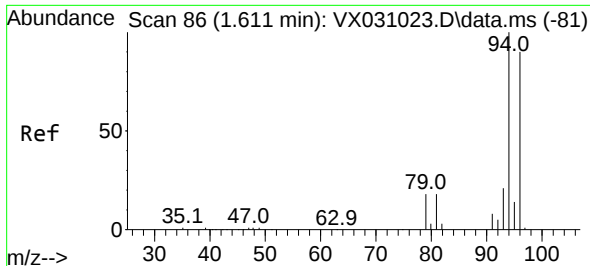
Tgt Ion:168 Resp: 228699  
Ion Ratio Lower Upper  
168 100  
99 50.0 44.0 66.0



#3  
Chloromethane  
Concen: 0.800 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.007 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 50 Resp: 228  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.3 39.5

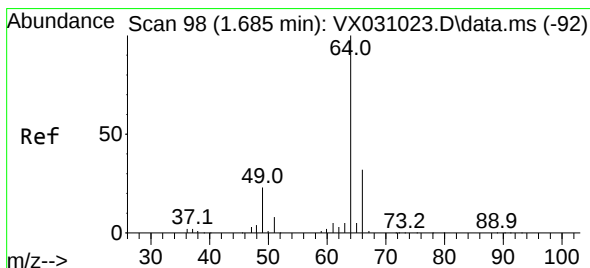
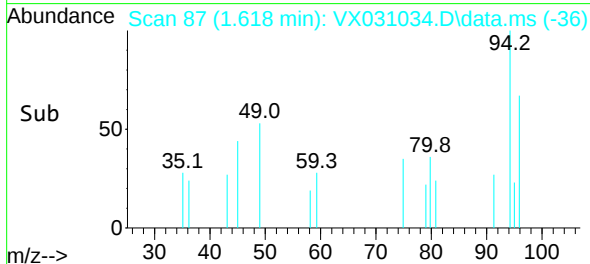
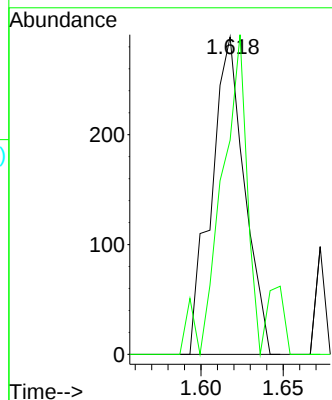
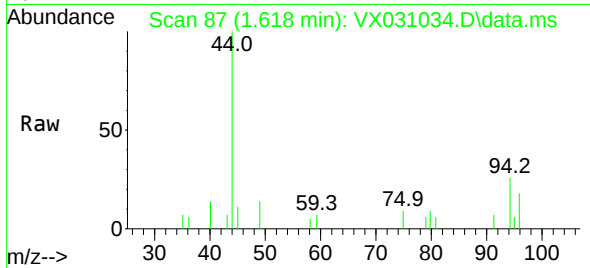




#5  
Bromomethane  
Concen: 0.370 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.013 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

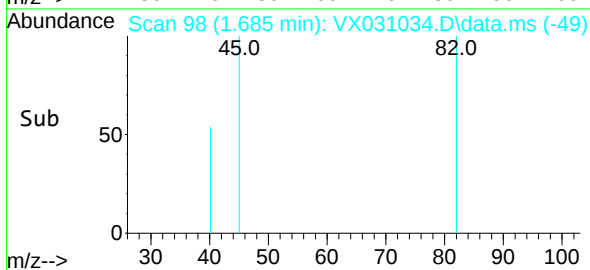
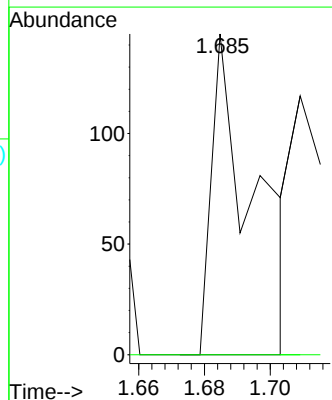
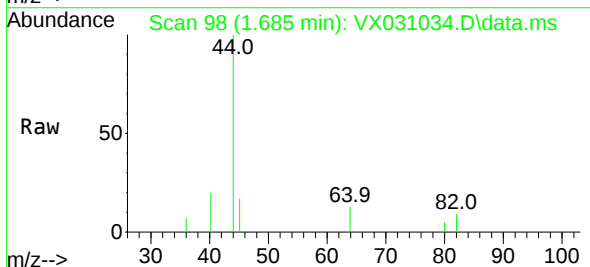
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

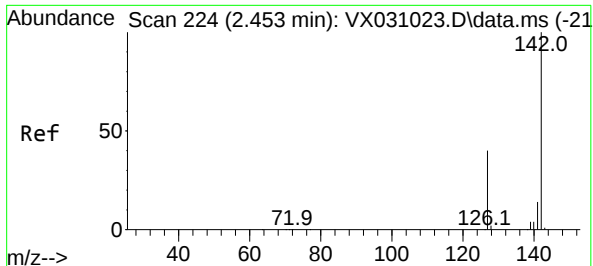
Tgt Ion: 94 Resp: 407  
Ion Ratio Lower Upper  
94 100  
96 67.5 76.9 115.3#



#6  
Chloroethane  
Concen: 1.809 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. -0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

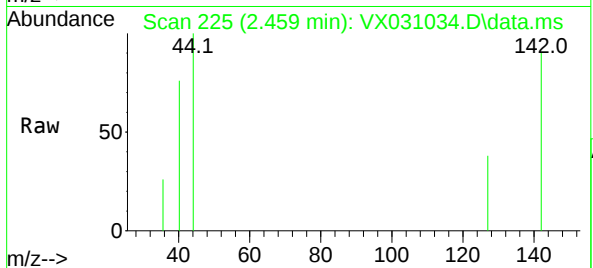
Tgt Ion: 64 Resp: 129  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.2 40.8#



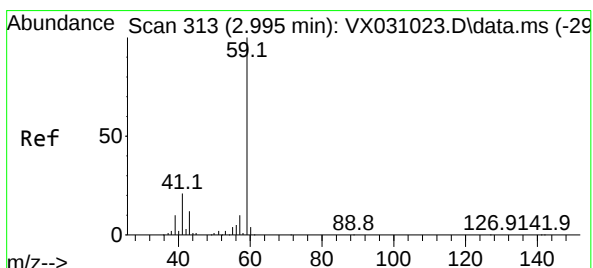
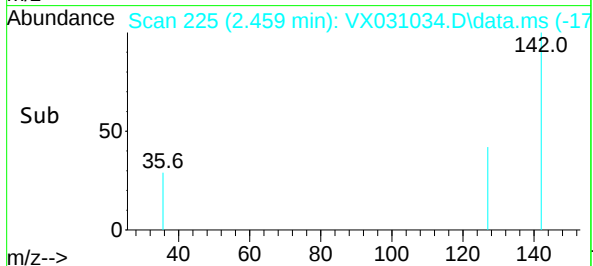
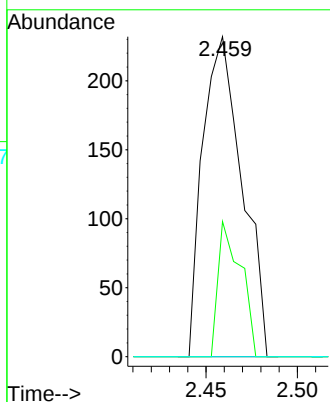


#10  
Methyl Iodide  
Concen: 3.032 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

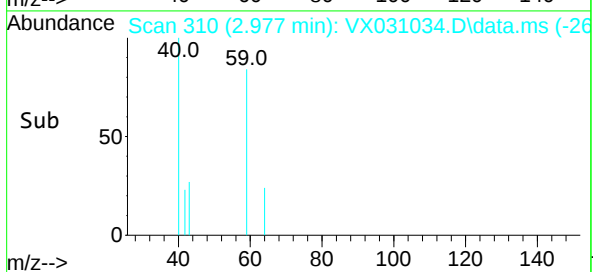
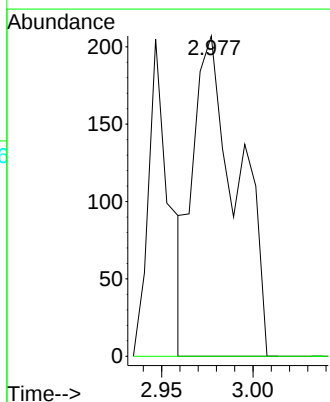
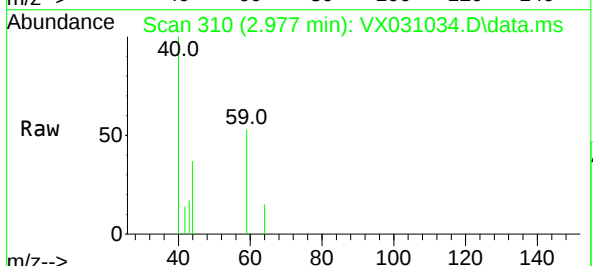


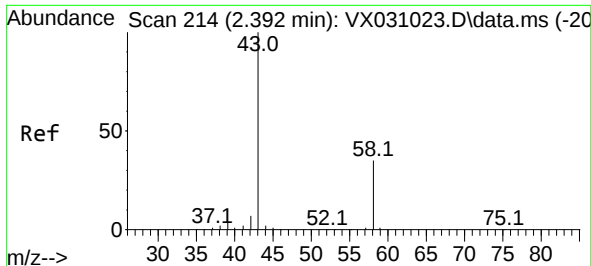
Tgt Ion:142 Resp: 348  
Ion Ratio Lower Upper  
142 100  
127 24.4 30.2 45.2#  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.977 min Scan# 310  
Delta R.T. -0.012 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 59 Resp: 349  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

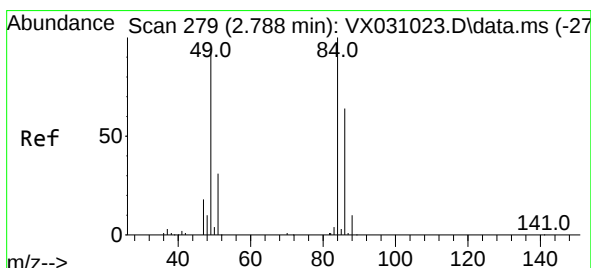
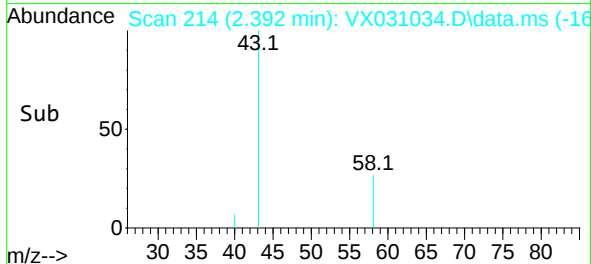
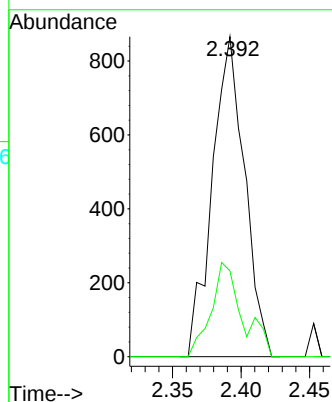
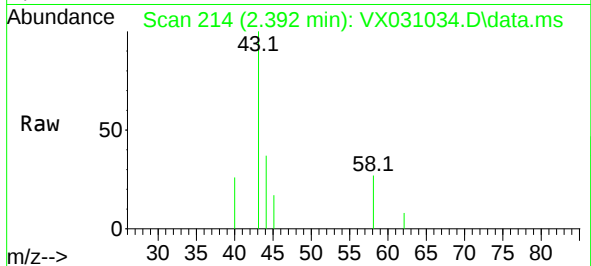




#16  
Acetone  
Concen: 1.254 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

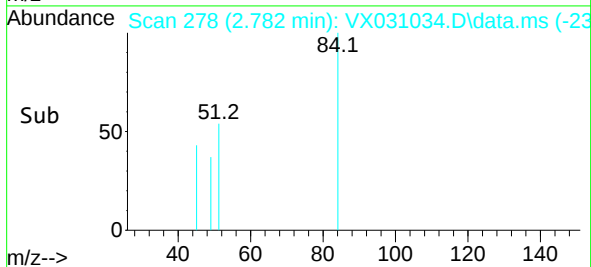
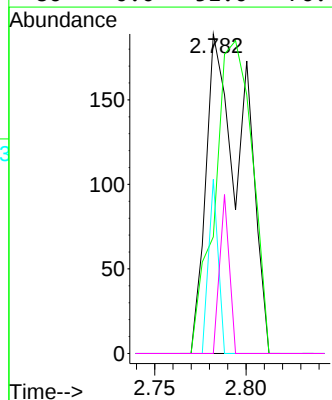
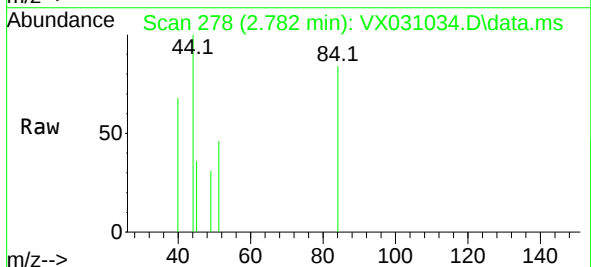
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

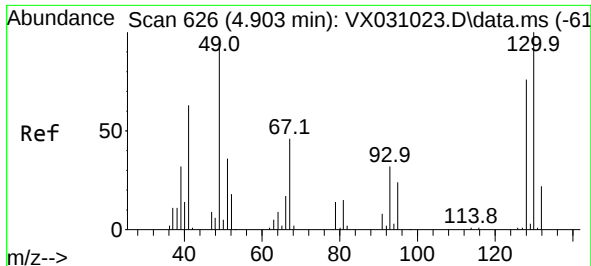
Tgt Ion: 43 Resp: 1424  
Ion Ratio Lower Upper  
43 100  
58 26.8 27.7 41.5#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 84 Resp: 269  
Ion Ratio Lower Upper  
84 100  
49 36.5 93.8 140.6#  
51 54.5 29.4 44.0#  
86 0.0 51.0 76.4#





#28

Bromochloromethane

Concen: 0.597 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.109 min

Lab File: VX031034.D

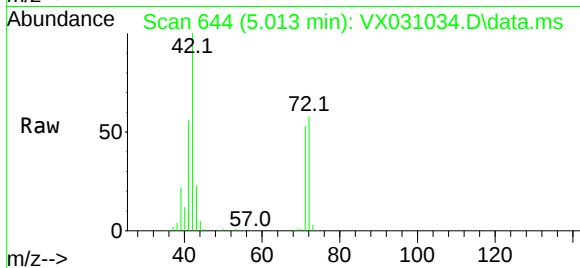
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Instrument :

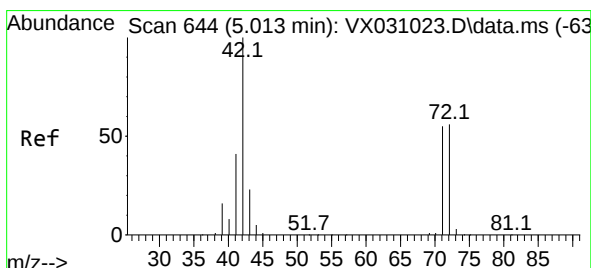
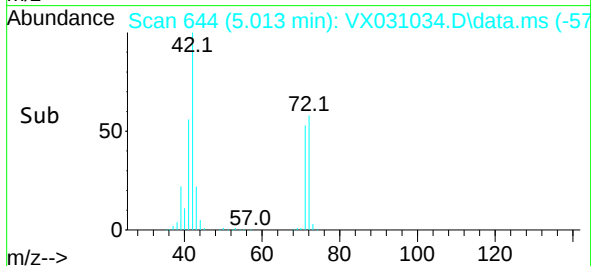
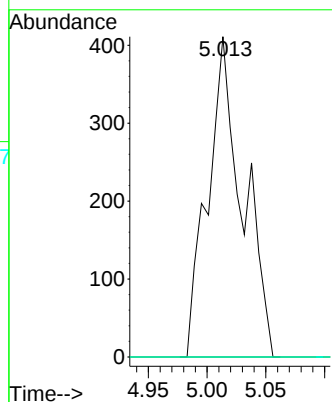
MSVOA\_X

ClientSampleId :

RW8-MW01D3-20220821



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 848   |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 0.0   | 0.0   | 4.4   |
| 130       | 0.0   | 62.8  | 94.2# |



#29

Tetrahydrofuran

Concen: 369.145 ug/l

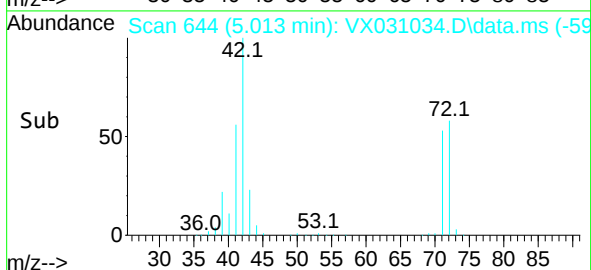
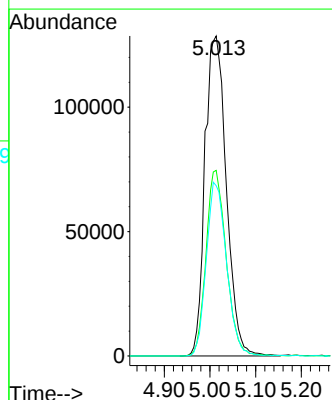
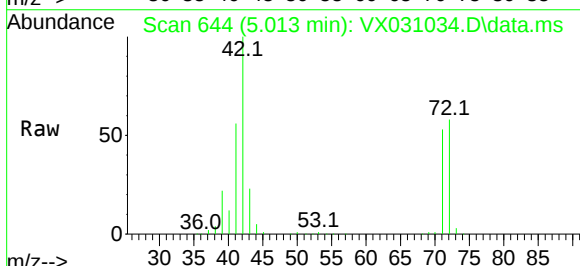
RT: 5.013 min Scan# 644

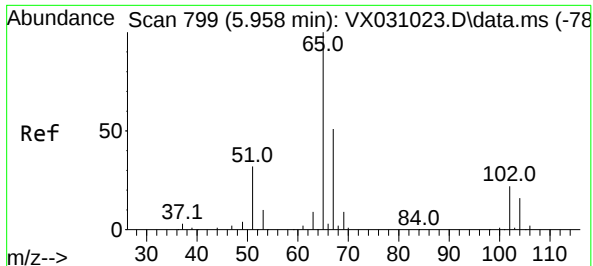
Delta R.T. 0.000 min

Lab File: VX031034.D

Acq: 01 Sep 2022 20:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 417376 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 54.8  | 36.5  | 54.7#  |
| 71        | 51.4  | 33.9  | 50.9#  |





#33

1,2-Dichloroethane-d4

Concen: 54.211 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031034.D

Acq: 01 Sep 2022 20:56

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MSVOA\_X

ClientSampleId :

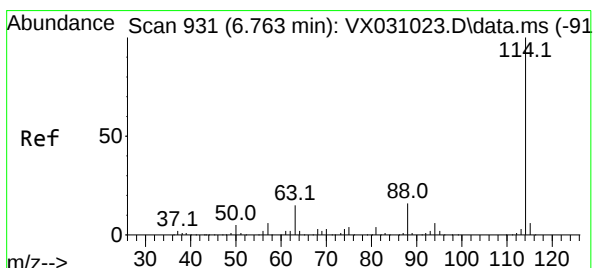
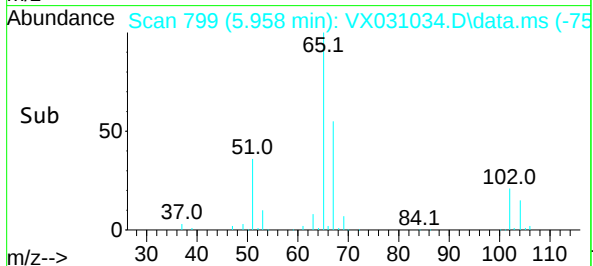
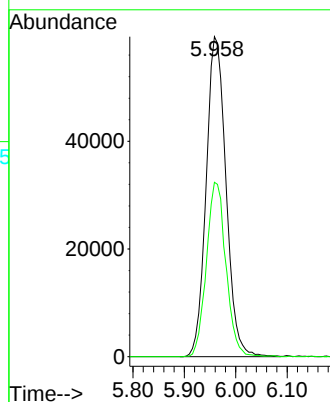
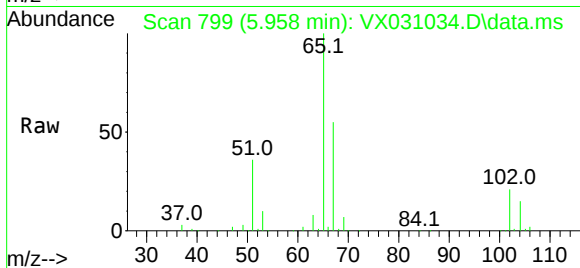
RW8-MW01D3-20220821

Tgt Ion: 65 Resp: 159524

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031034.D

Acq: 01 Sep 2022 20:56

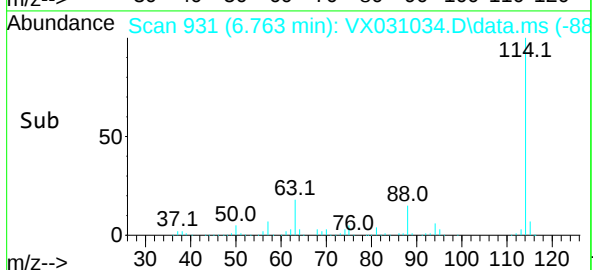
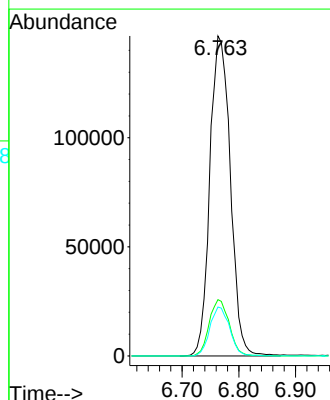
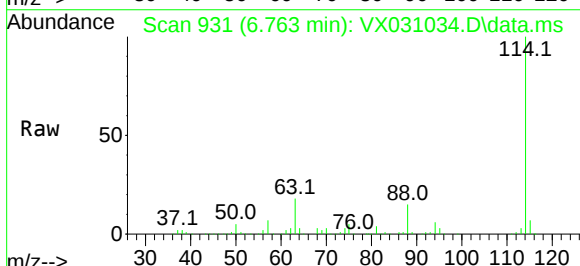
Tgt Ion: 114 Resp: 367398

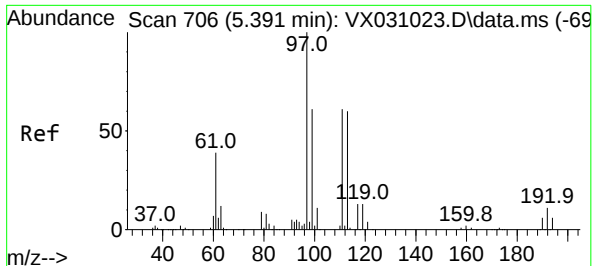
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 58.229 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031034.D

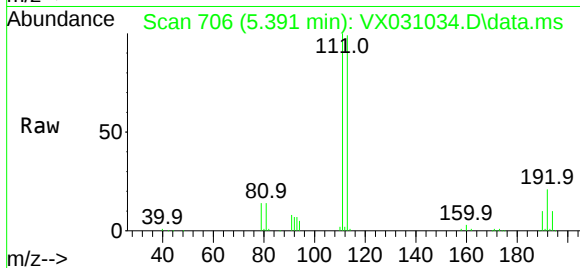
Acq: 01 Sep 2022 20:56

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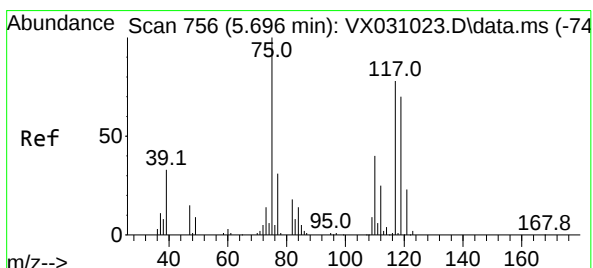
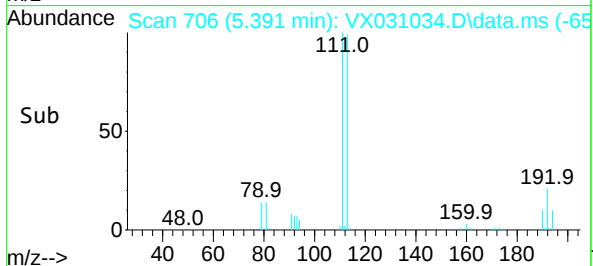
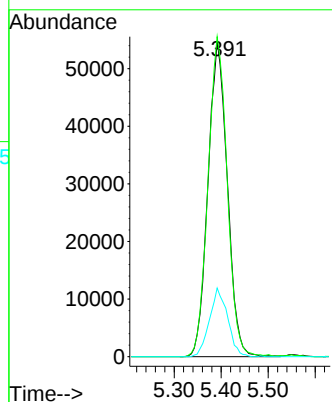
Tgt Ion:113 Resp: 156121

Ion Ratio Lower Upper

113 100

111 100.7 83.2 124.8

192 20.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.093 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031034.D

Acq: 01 Sep 2022 20:56

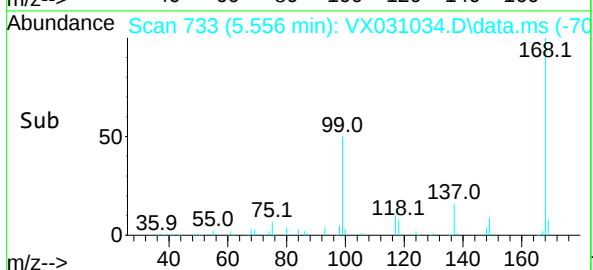
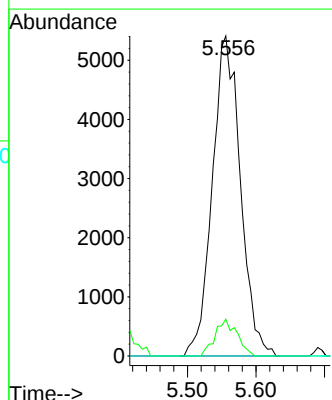
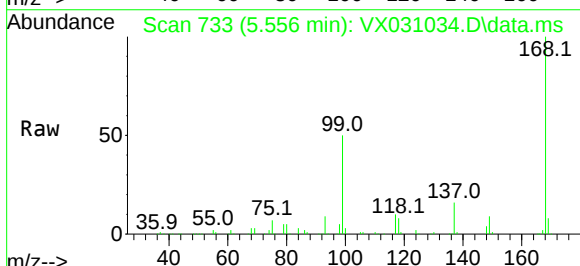
Tgt Ion: 75 Resp: 15372

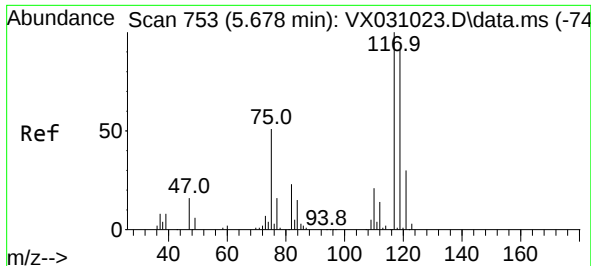
Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

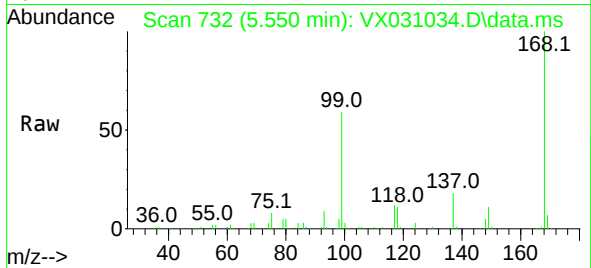
77 0.0 24.4 36.6#



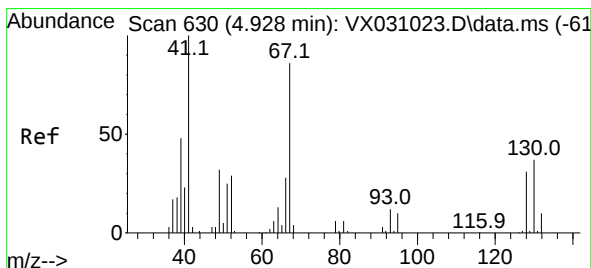
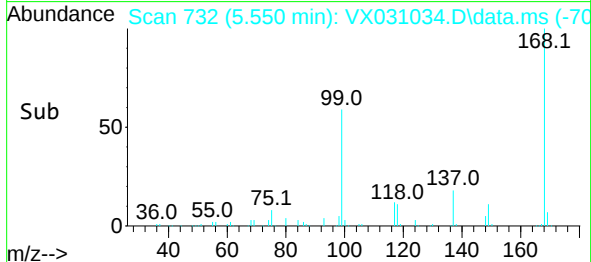
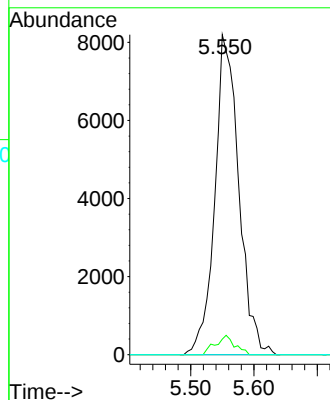


#38  
Carbon Tetrachloride  
Concen: 5.534 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

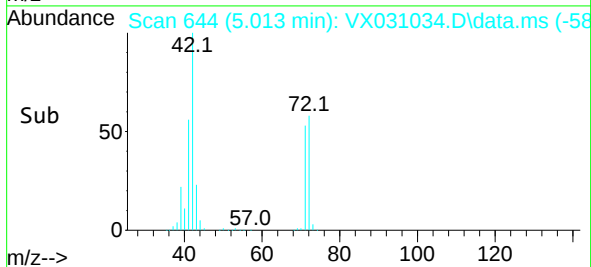
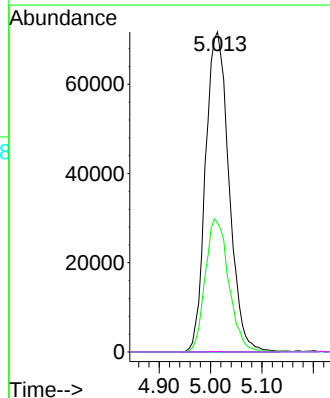
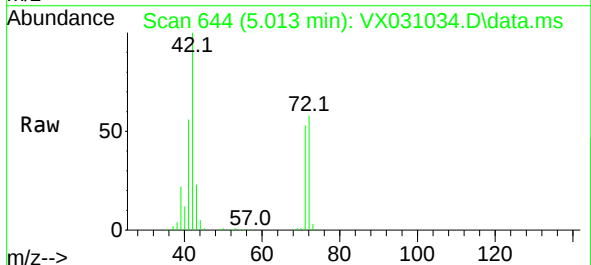


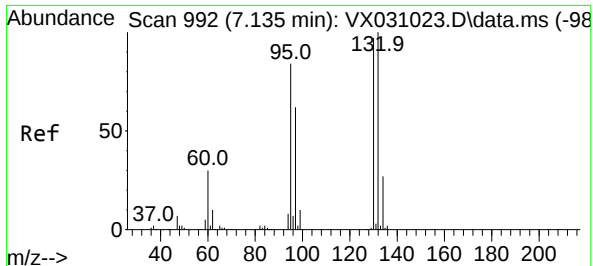
Tgt Ion:117 Resp: 21572  
Ion Ratio Lower Upper  
117 100  
119 4.8 74.1 111.1#  
121 0.0 25.8 38.8#



#41  
Methacrylonitrile  
Concen: 130.648 ug/l  
RT: 5.013 min Scan# 644  
Delta R.T. 0.085 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 41 Resp: 227282  
Ion Ratio Lower Upper  
41 100  
39 41.7 42.9 64.3#  
67 0.0 60.1 90.1#  
52 0.1 22.6 34.0#

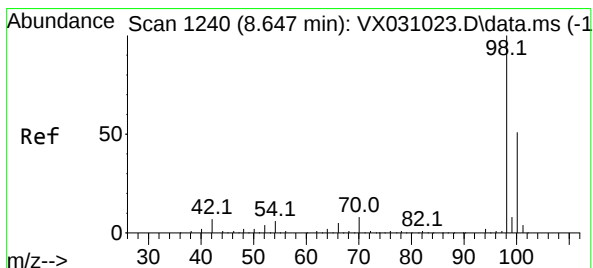
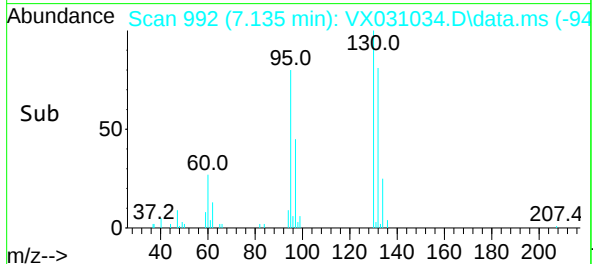
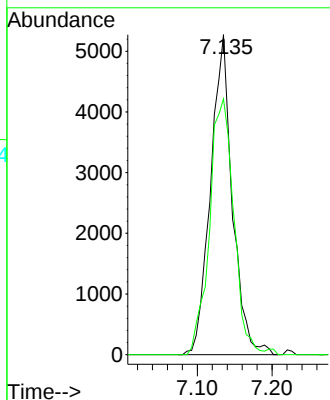
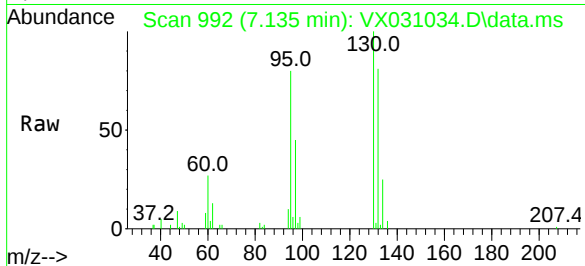




#44  
Trichloroethene  
Concen: 3.129 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

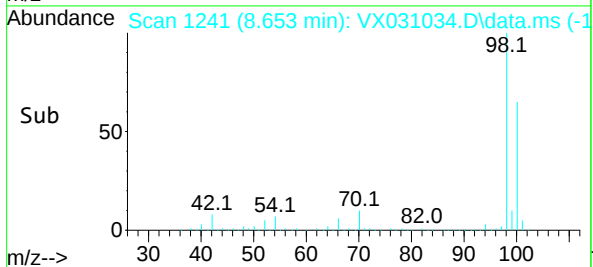
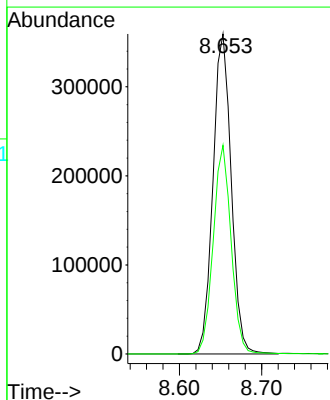
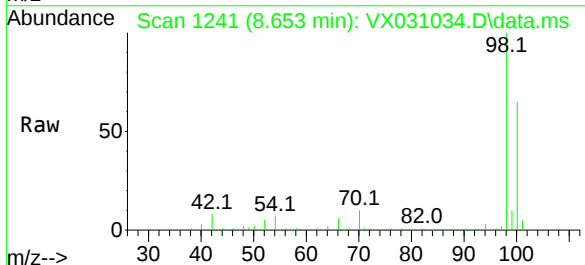
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

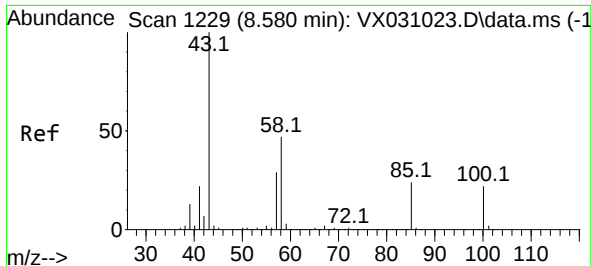
Tgt Ion:130 Resp: 10679  
Ion Ratio Lower Upper  
130 100  
95 80.0 0.0 194.8



#50  
Toluene-d8  
Concen: 56.114 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 98 Resp: 553706  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.3 78.5

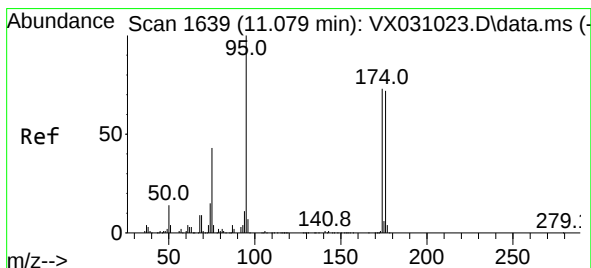
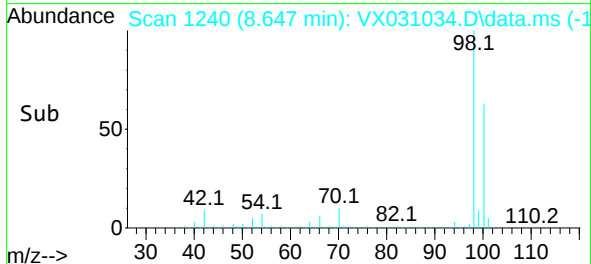
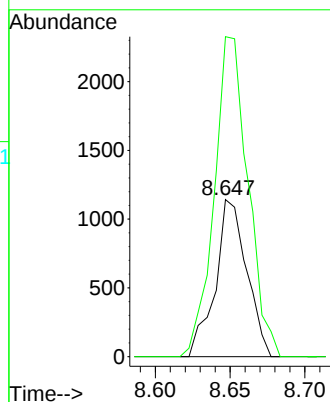
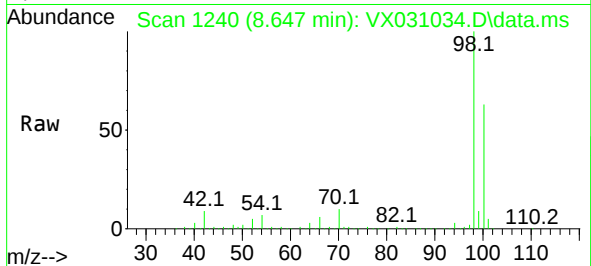




#51  
4-Methyl-2-Pentanone  
Concen: 0.508 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

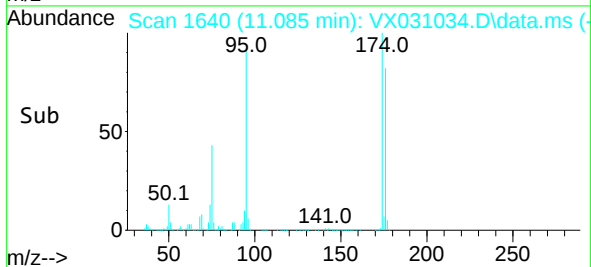
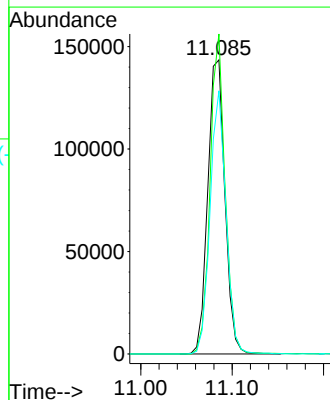
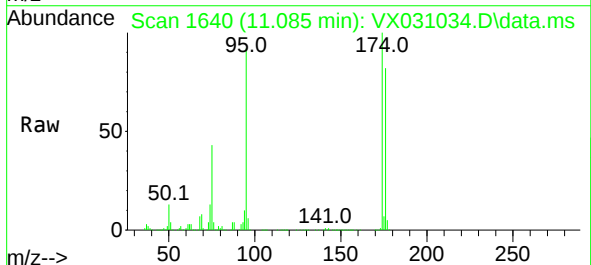
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

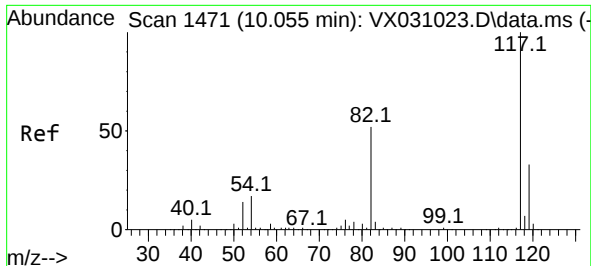
Tgt Ion: 43 Resp: 1667  
Ion Ratio Lower Upper  
43 100  
58 219.1 31.4 47.2#



#62  
4-Bromofluorobenzene  
Concen: 53.509 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 95 Resp: 186490  
Ion Ratio Lower Upper  
95 100  
174 95.7 0.0 149.0  
176 83.3 0.0 146.0

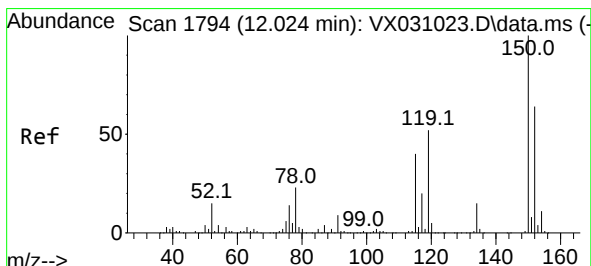
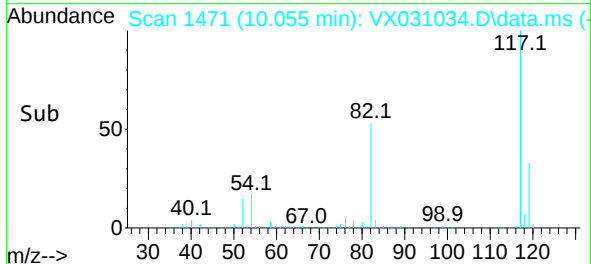
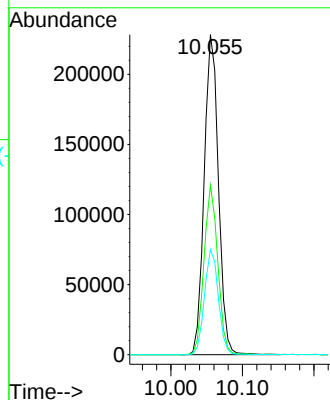
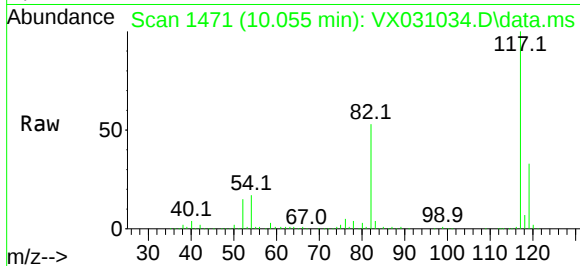




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

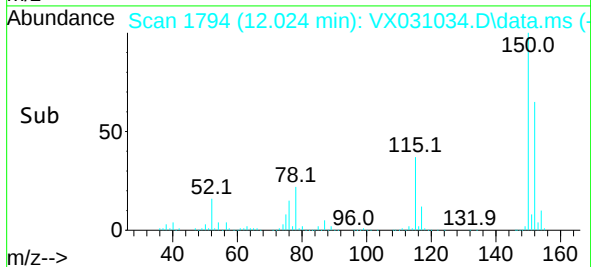
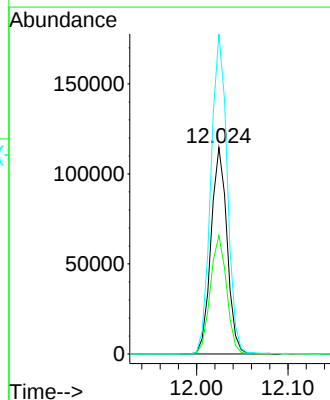
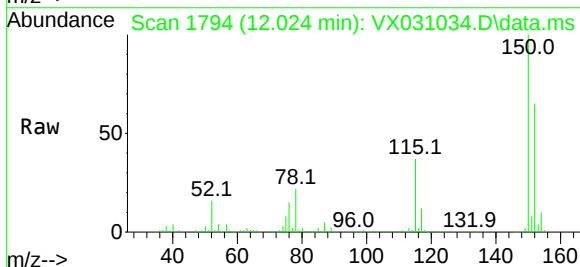
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

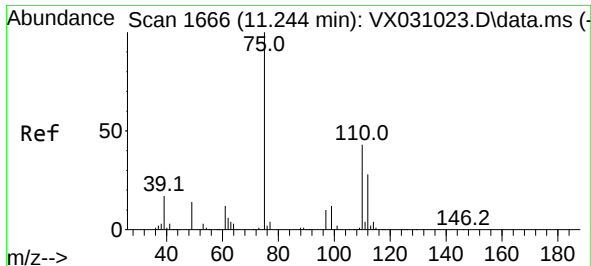
Tgt Ion:117 Resp: 315849  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.7 64.1  
119 32.9 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion:152 Resp: 139806  
Ion Ratio Lower Upper  
152 100  
115 57.8 40.5 121.5  
150 157.2 0.0 347.0

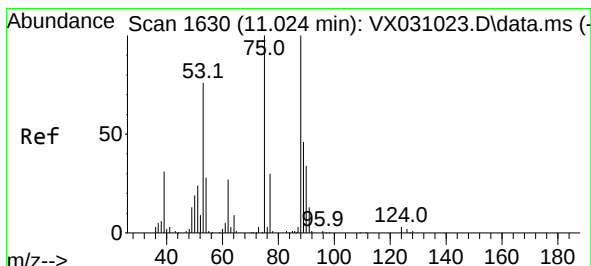
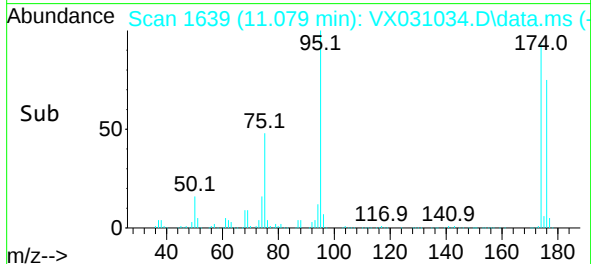
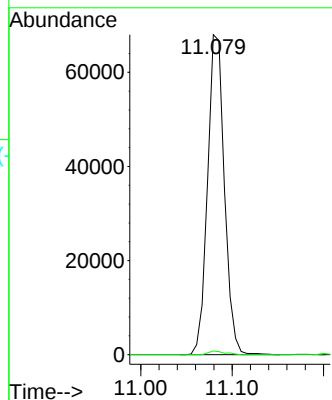
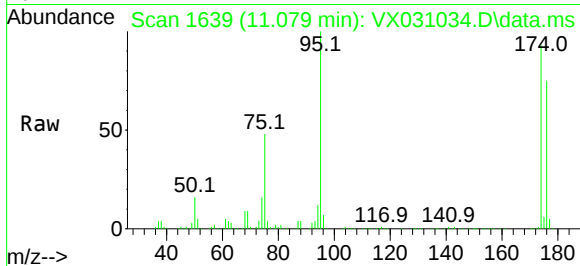




#76  
1,2,3-Trichloropropane  
Concen: 26.297 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW8-MW01D3-20220821

Tgt Ion: 75 Resp: 86909  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.8 59.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.645 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.055 min  
Lab File: VX031034.D  
Acq: 01 Sep 2022 20:56

Tgt Ion: 75 Resp: 86909  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.0 34.8 52.2#

