

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090321\  
 Data File : VX024096.D  
 Acq On : 03 Sep 2021 12:44  
 Operator : JC/MD  
 Sample : M3620-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-VPB-RW7-EB-20210831

Quant Time: Sep 03 13:46:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 147153   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 242290   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 228023   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 93955    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.970  | 65    | 110125   | 53.620   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 107.240% |      |
| 35) Dibromofluoromethane    | 5.397  | 113   | 84613    | 52.763   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 105.520% |      |
| 50) Toluene-d8              | 8.653  | 98    | 307887   | 50.443   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 100.880% |      |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 108649   | 48.355   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 96.720%  |      |

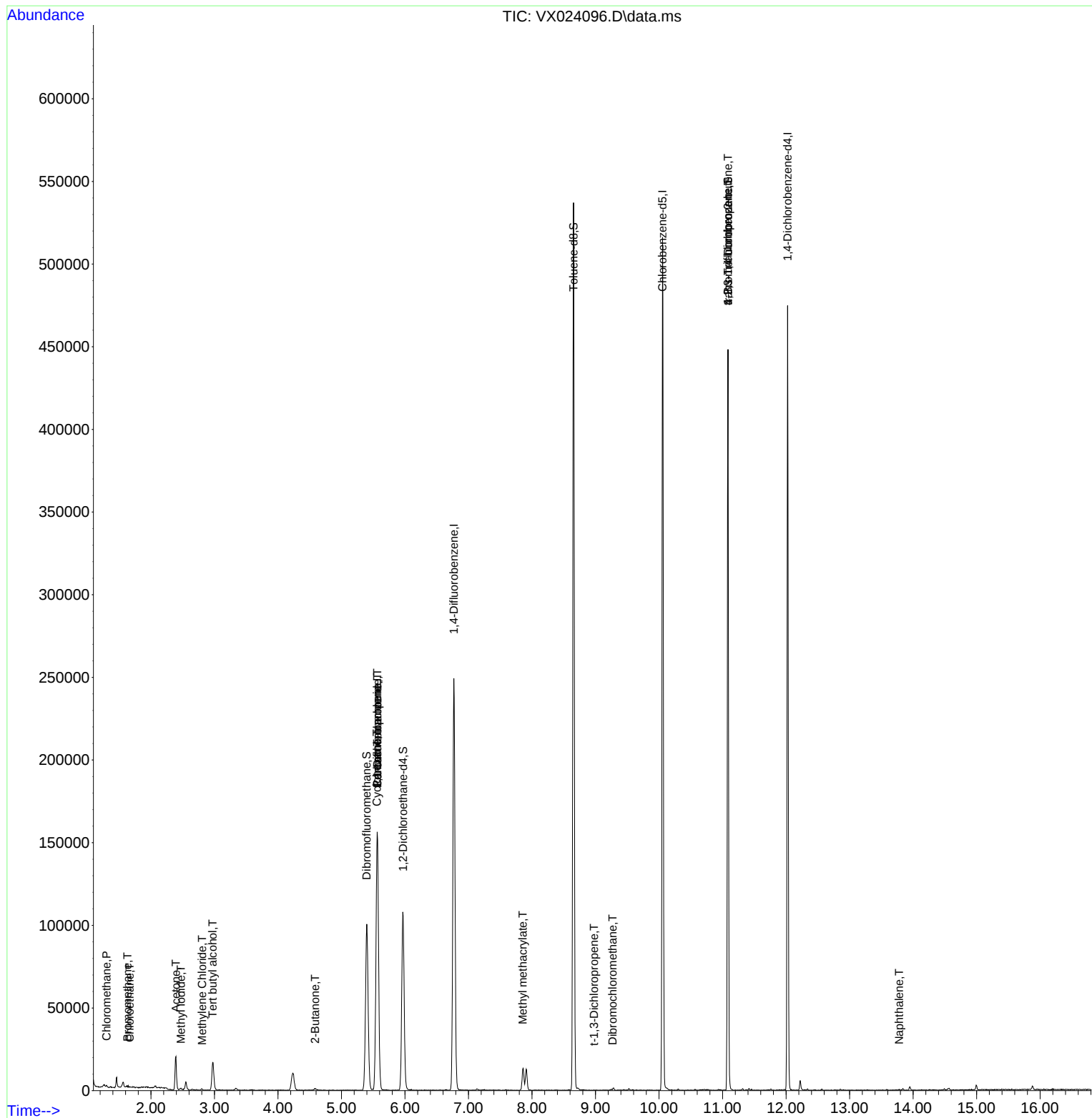
|                               |        |     |       |        |        |        |
|-------------------------------|--------|-----|-------|--------|--------|--------|
| Target Compounds              |        |     |       |        |        | Qvalue |
| 3) Chloromethane              | 1.300  | 50  | 660   | 0.387  | ug/l   | 94     |
| 5) Bromomethane               | 1.630  | 94  | 619   | 0.592  | ug/l   | 95     |
| 6) Chloroethane               | 1.666  | 64  | 249   | 2.389  | ug/l # | 43     |
| 10) Methyl Iodide             | 2.471  | 142 | 1218  | 0.592  | ug/l # | 86     |
| 11) Tert butyl alcohol        | 2.971  | 59  | 19133 | 46.066 | ug/l   | 99     |
| 16) Acetone                   | 2.392  | 43  | 21157 | 23.039 | ug/l   | 95     |
| 20) Methylene Chloride        | 2.806  | 84  | 376   | 0.214  | ug/l # | 58     |
| 25) 2-Butanone                | 4.586  | 43  | 1438  | 1.034  | ug/l   | 97     |
| 31) Cyclohexane               | 5.556  | 56  | 3352  | 1.270  | ug/l # | 30     |
| 36) 1,1-Dichloropropene       | 5.562  | 75  | 11174 | 4.980  | ug/l # | 49     |
| 38) Carbon Tetrachloride      | 5.562  | 117 | 15680 | 6.702  | ug/l # | 15     |
| 48) Methyl methacrylate       | 7.854  | 41  | 5882  | 2.795  | ug/l # | 35     |
| 53) t-1,3-Dichloropropene     | 8.976  | 75  | 35    | 2.149  | ug/l # | 44     |
| 60) Dibromochloromethane      | 9.268  | 129 | 20    | 1.698  | ug/l # | 11     |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75  | 59706 | 27.242 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75  | 59706 | 80.132 | ug/l # | 12     |
| 95) Naphthalene               | 13.780 | 128 | 378   | 1.336  | ug/l # | 84     |

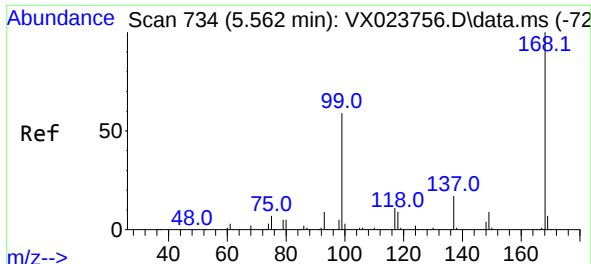
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

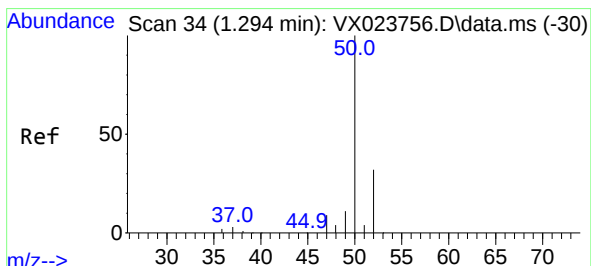
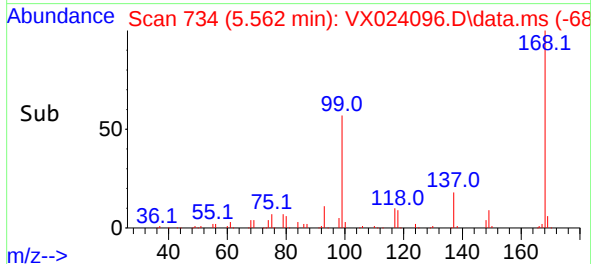
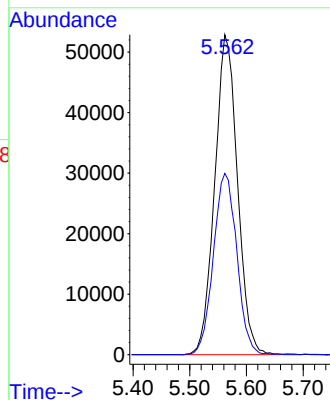
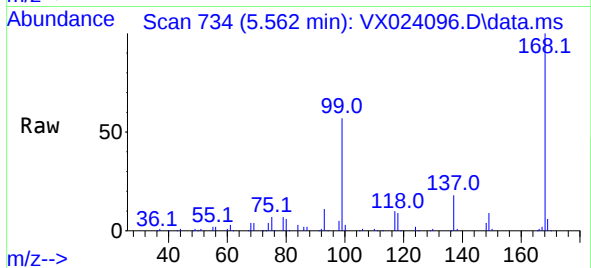




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

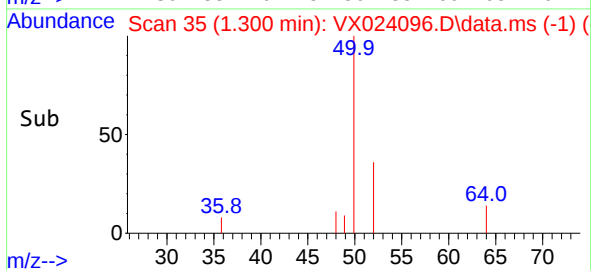
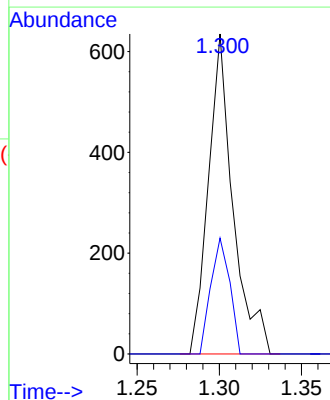
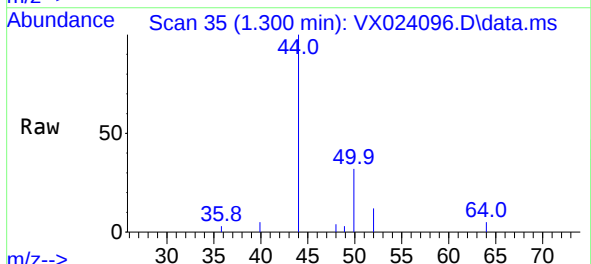
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

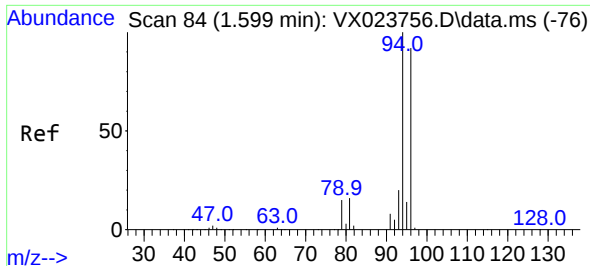
Tgt Ion:168 Resp: 147153  
Ion Ratio Lower Upper  
168 100  
99 56.7 45.8 68.6



#3  
Chloromethane  
Concen: 0.387 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 50 Resp: 660  
Ion Ratio Lower Upper  
50 100  
52 36.2 26.4 39.6

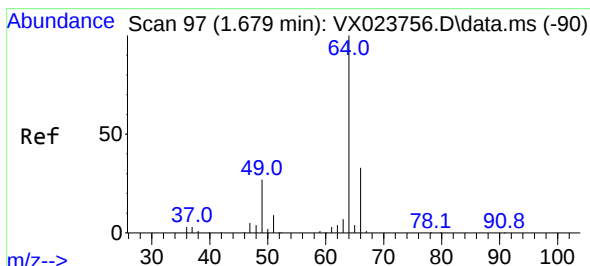
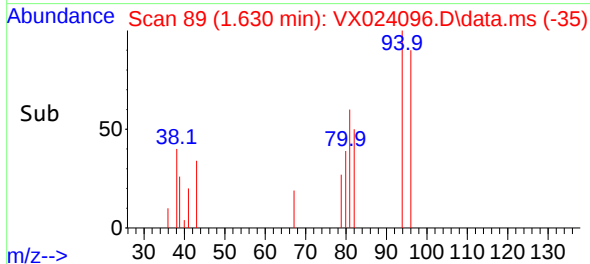
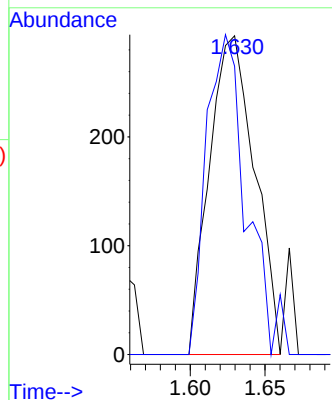
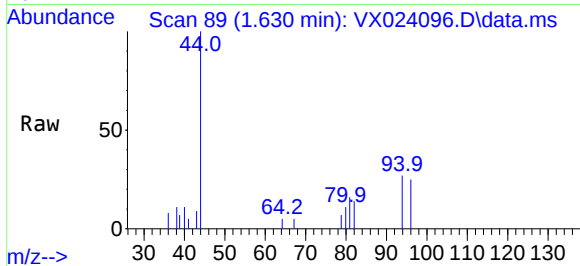




#5  
Bromomethane  
Concen: 0.592 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.031 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

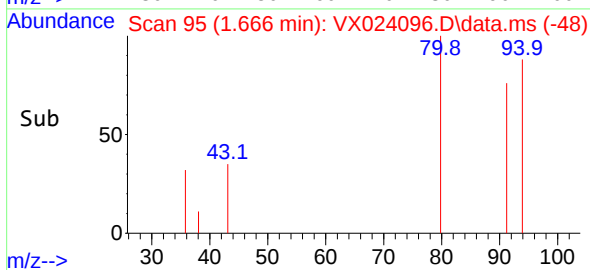
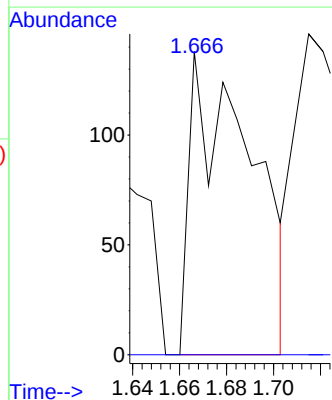
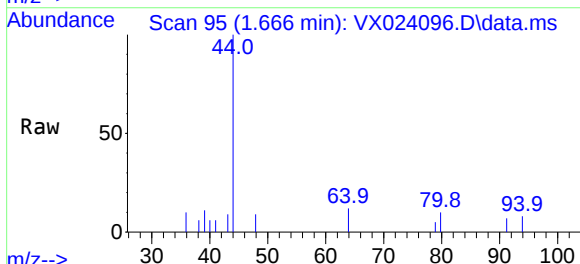
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

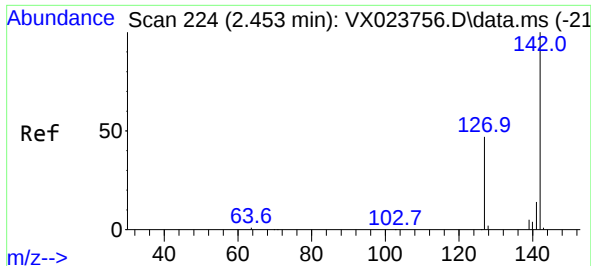
Tgt Ion: 94 Resp: 619  
Ion Ratio Lower Upper  
94 100  
96 90.4 76.4 114.6



#6  
Chloroethane  
Concen: 2.389 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.013 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

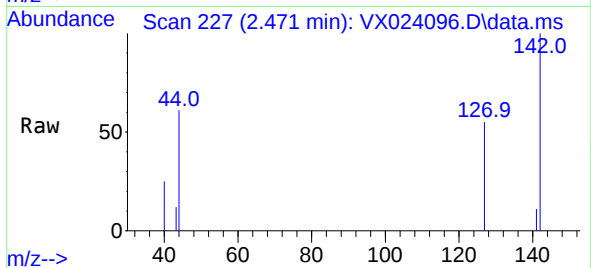
Tgt Ion: 64 Resp: 249  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



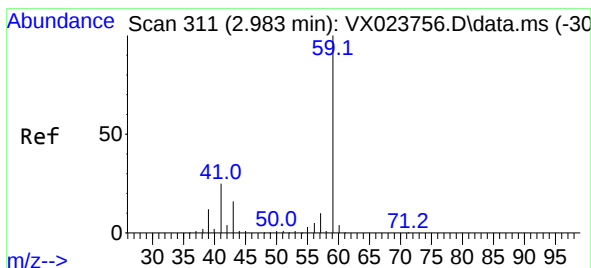
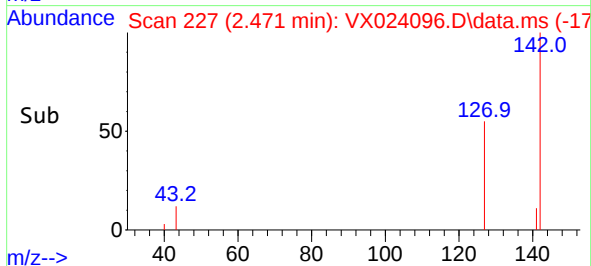
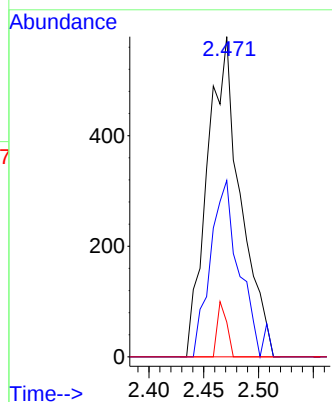


#10  
Methyl Iodide  
Concen: 0.592 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.018 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

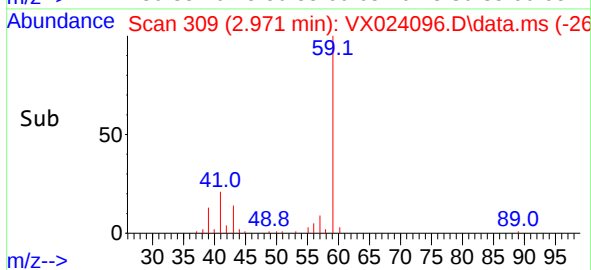
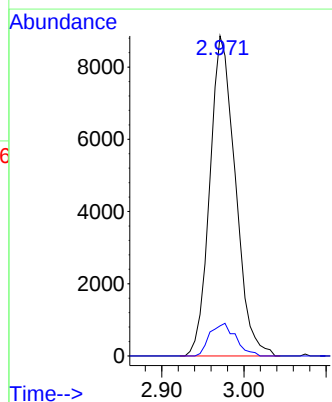
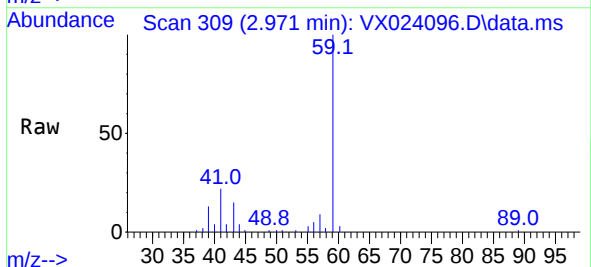


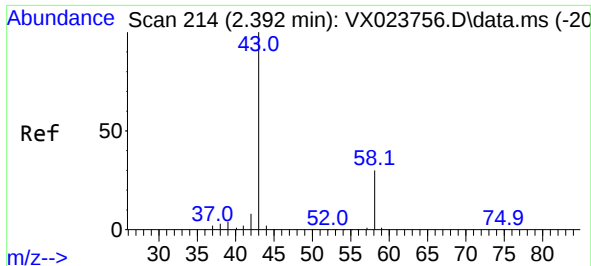
Tgt Ion:142 Resp: 1218  
Ion Ratio Lower Upper  
142 100  
127 48.7 33.3 49.9  
141 4.9 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 46.066 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.012 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 59 Resp: 19133  
Ion Ratio Lower Upper  
59 100  
57 10.3 7.8 11.8

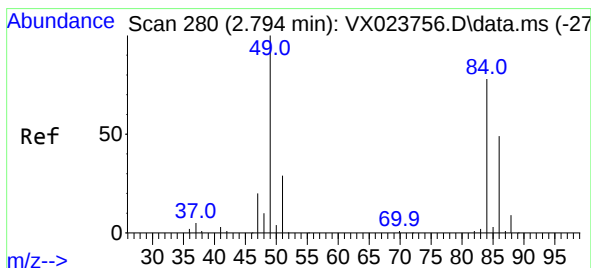
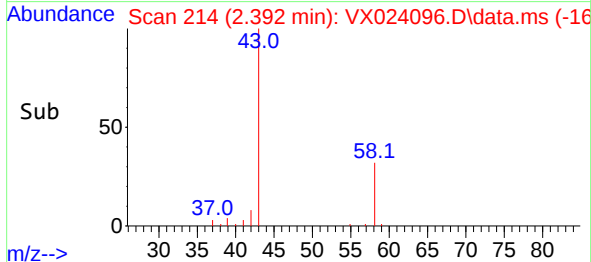
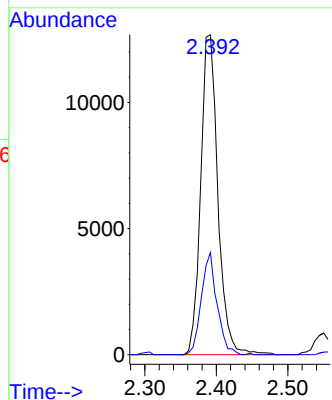
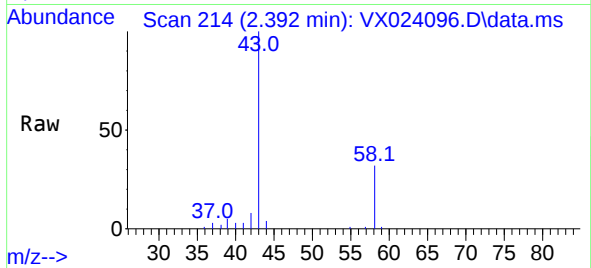




#16  
Acetone  
Concen: 23.039 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

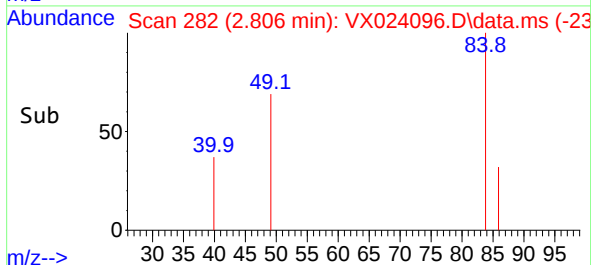
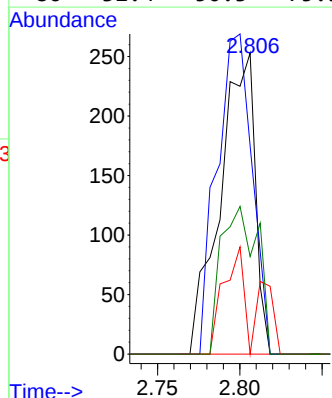
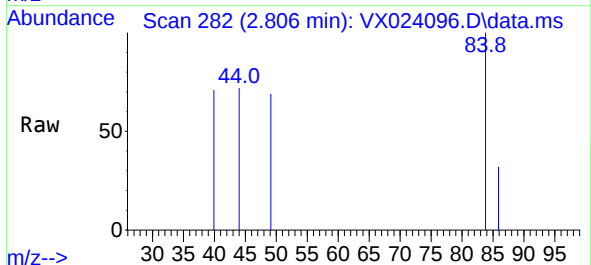
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

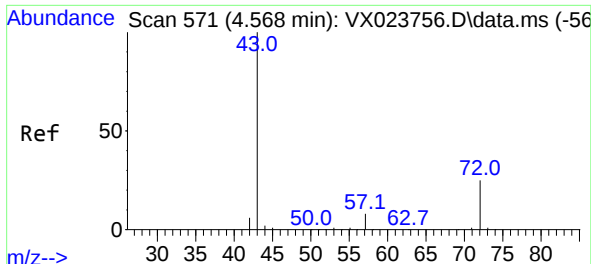
Tgt Ion: 43 Resp: 21157  
Ion Ratio Lower Upper  
43 100  
58 32.0 27.8 41.8



#20  
Methylene Chloride  
Concen: 0.214 ug/l  
RT: 2.806 min Scan# 282  
Delta R.T. 0.012 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 84 Resp: 376  
Ion Ratio Lower Upper  
84 100  
49 69.2 88.6 132.8#  
51 0.0 27.0 40.6#  
86 32.4 50.3 75.5#

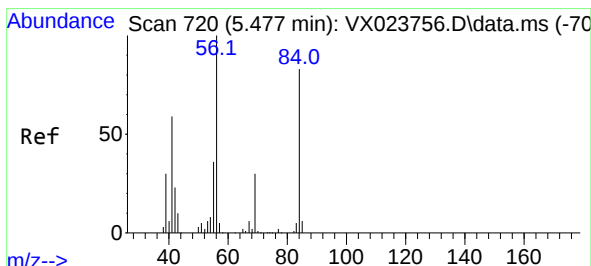
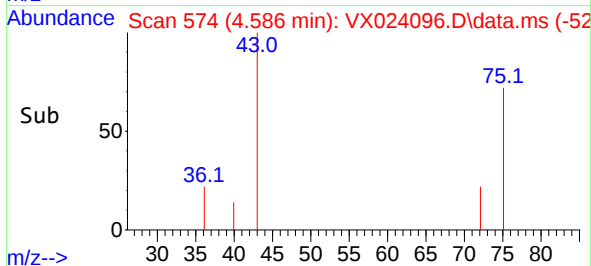
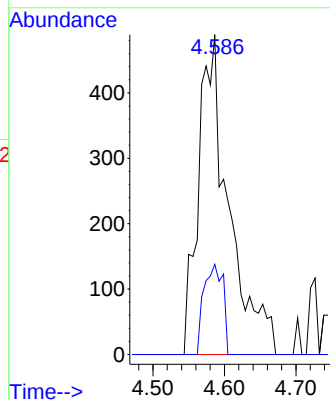
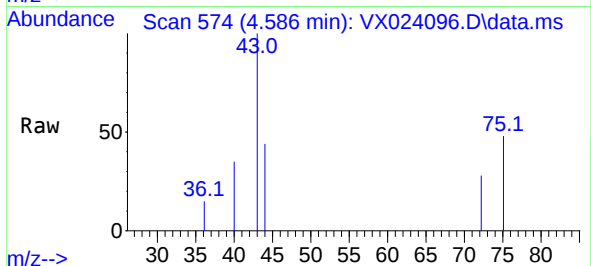




#25  
2-Butanone  
Concen: 1.034 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.018 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

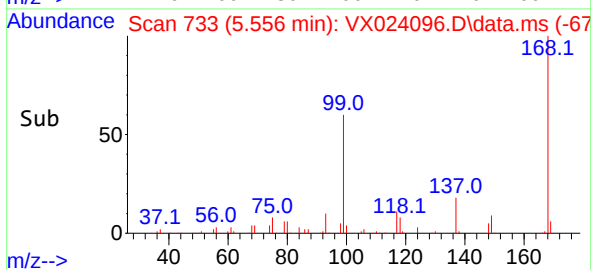
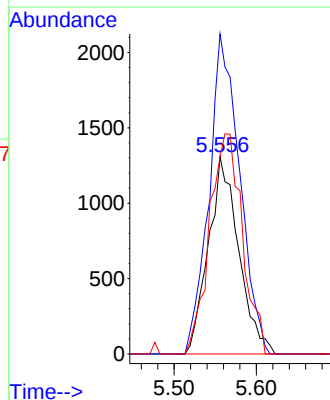
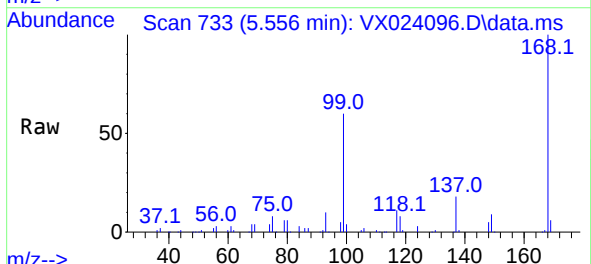
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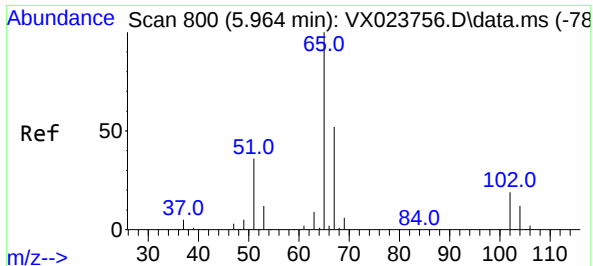
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Ion Ratio Lower Upper  
43 100  
72 28.2 23.7 35.5



#31  
Cyclohexane  
Concen: 1.270 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 56 Resp: 3352  
Ion Ratio Lower Upper  
56 100  
69 162.3 25.3 37.9#  
84 100.2 71.4 107.0



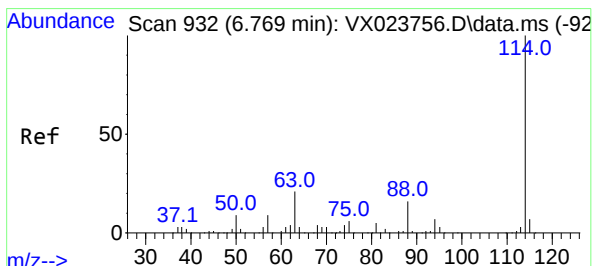
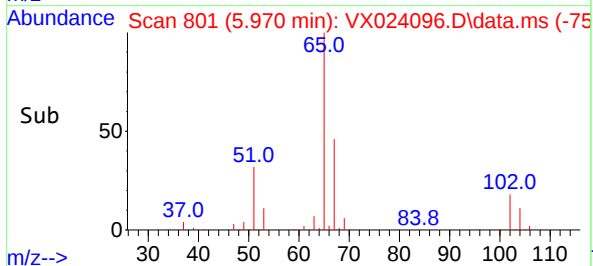
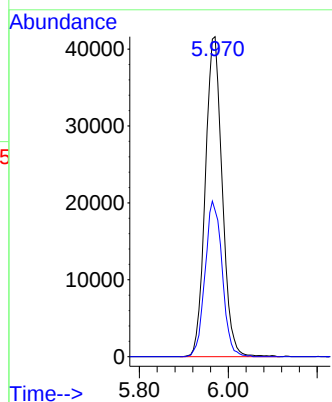
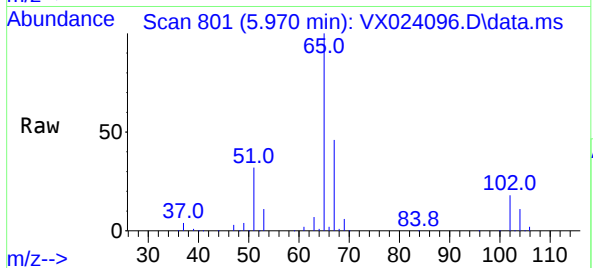


#33

1,2-Dichloroethane-d4  
Concen: 53.620 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. 0.006 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
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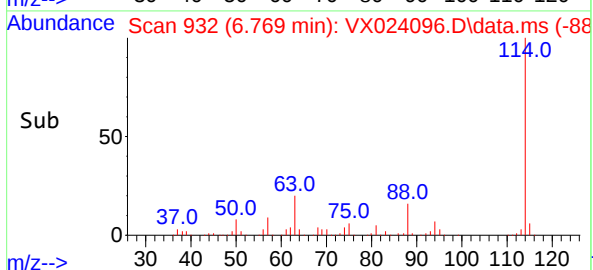
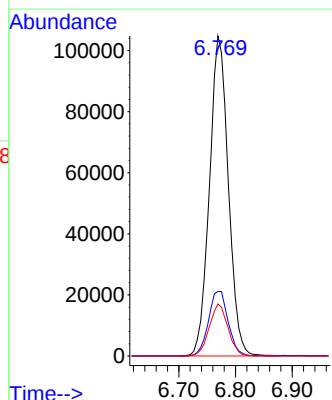
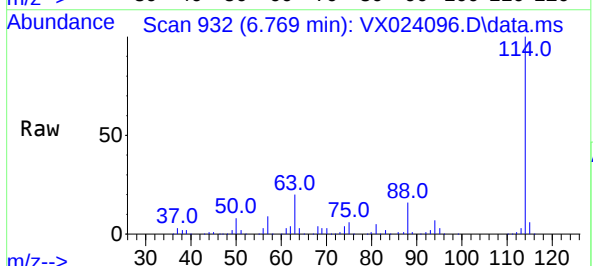
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Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 105.4

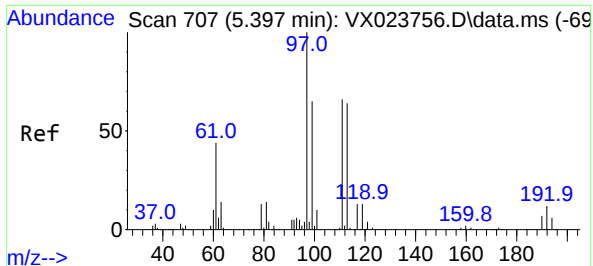


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 114 Resp: 242290  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.8  
88 16.2 0.0 32.8

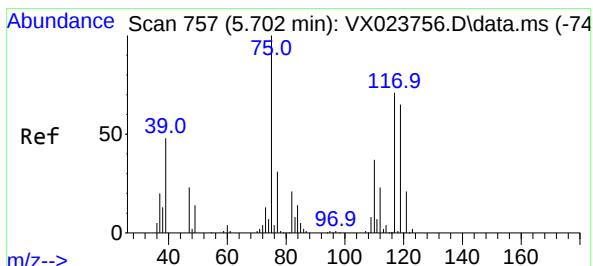
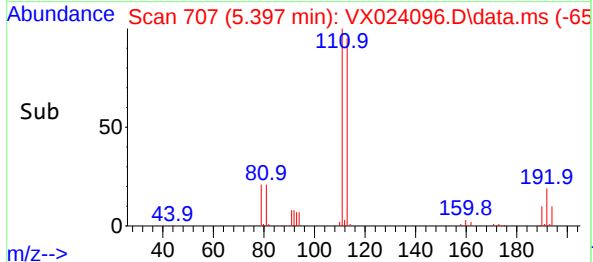
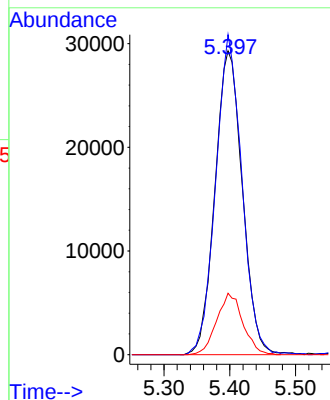
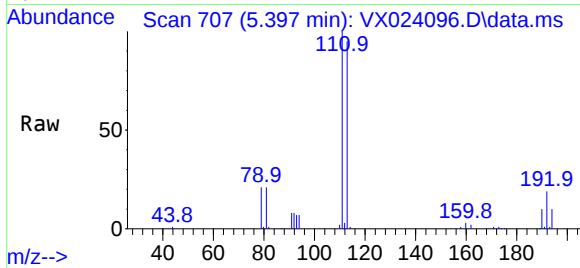




#35  
Dibromofluoromethane  
Concen: 52.763 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

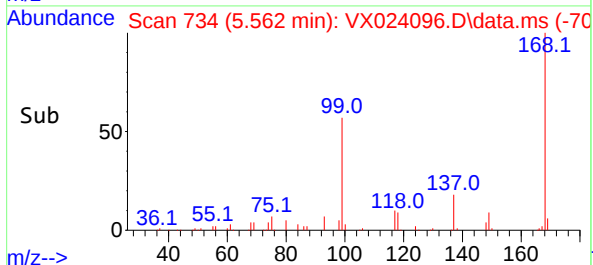
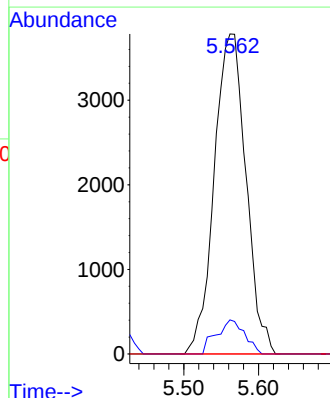
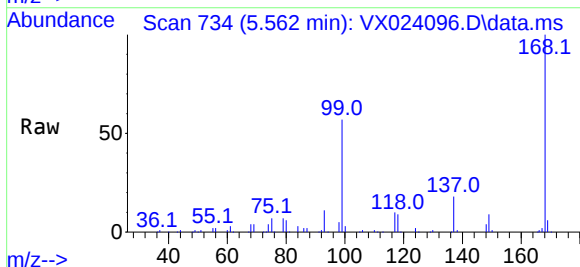
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

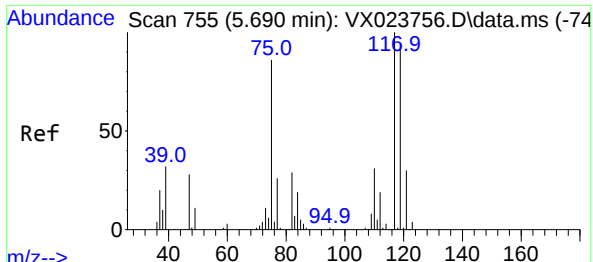
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 84613 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.1 | 81.9  | 122.9 |
| 192      | 19.4  | 16.7  | 25.1  |



#36  
1,1-Dichloropropene  
Concen: 4.980 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

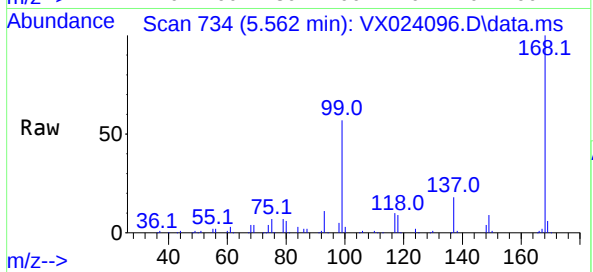
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11174 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.5   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |



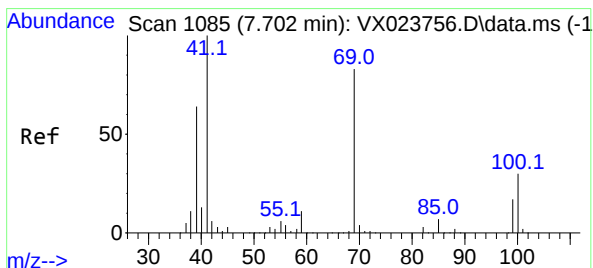
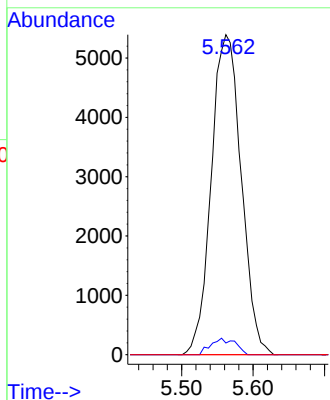
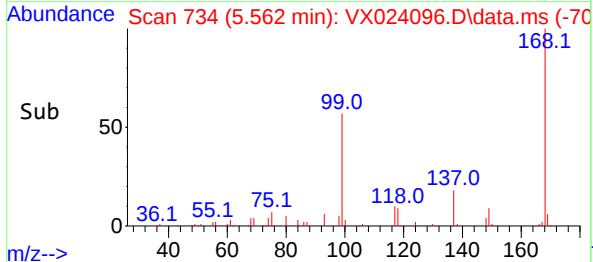


#38  
Carbon Tetrachloride  
Concen: 6.702 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

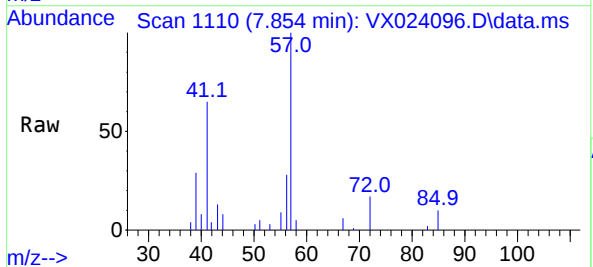
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831



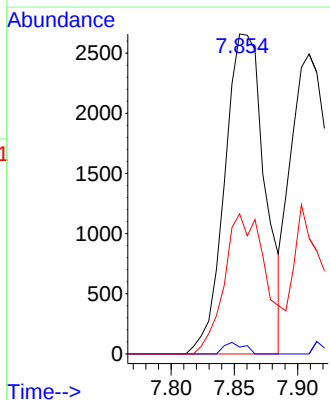
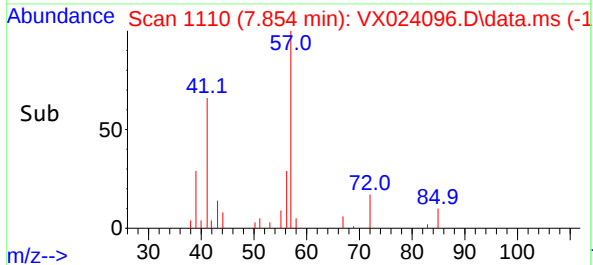
Tgt Ion:117 Resp: 15680  
Ion Ratio Lower Upper  
117 100  
119 3.7 76.2 114.2#  
121 0.0 24.8 37.2#

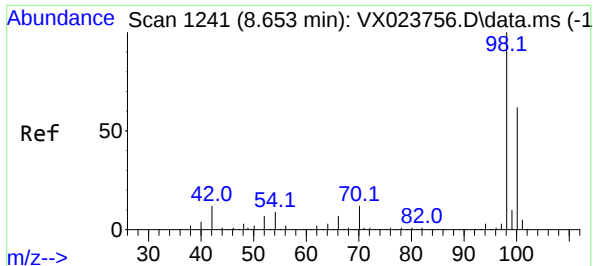


#48  
Methyl methacrylate  
Concen: 2.795 ug/l  
RT: 7.854 min Scan# 1110  
Delta R.T. 0.152 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44



Tgt Ion: 41 Resp: 5882  
Ion Ratio Lower Upper  
41 100  
69 1.8 76.0 114.0#  
39 46.4 44.6 67.0

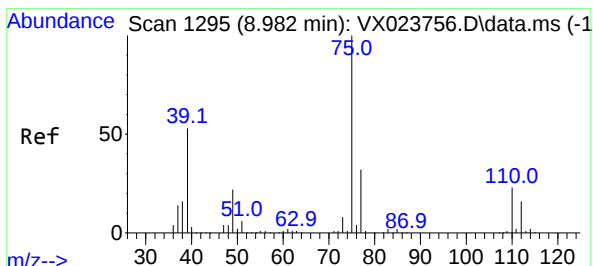
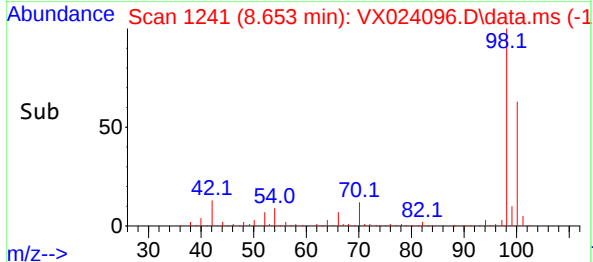
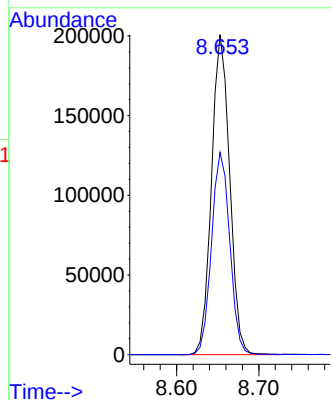
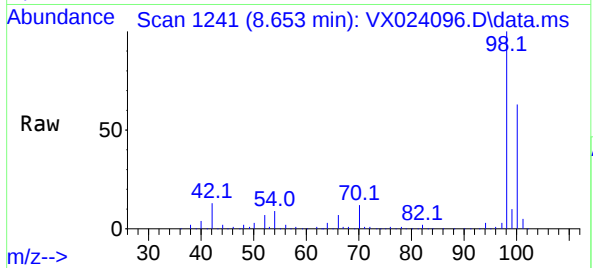




#50  
Toluene-d8  
Concen: 50.443 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

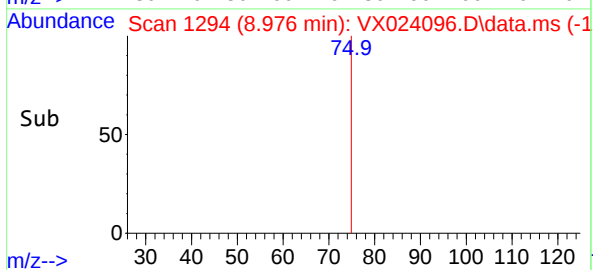
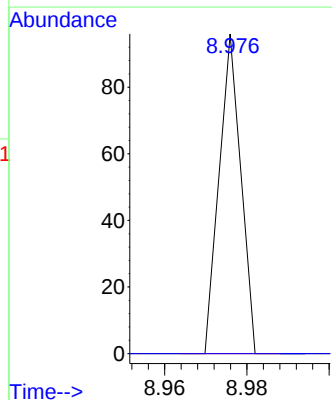
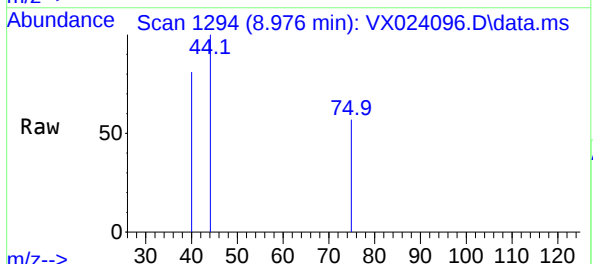
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

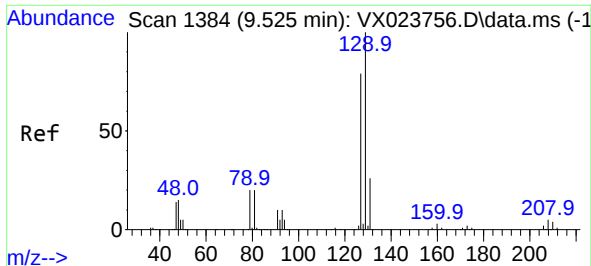
Tgt Ion: 98 Resp: 307887  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9



#53  
t-1,3-Dichloropropene  
Concen: 2.149 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 75 Resp: 35  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#

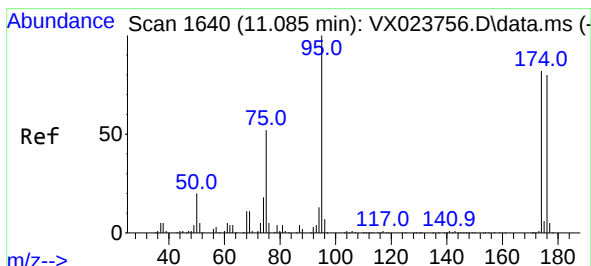
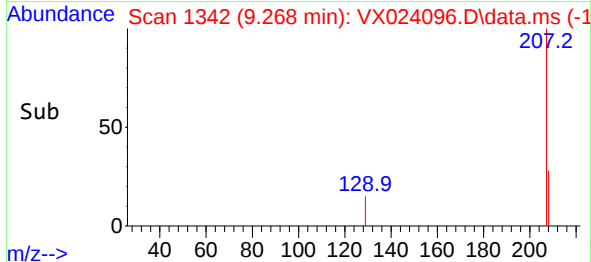
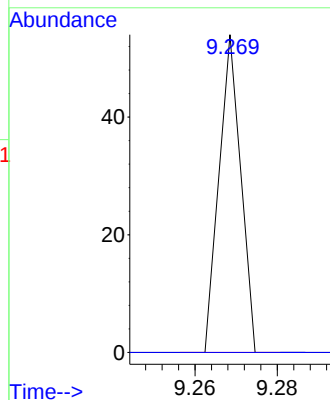
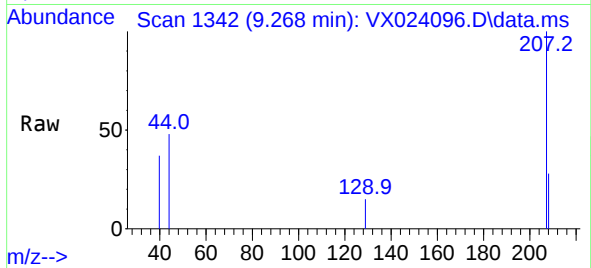




#60  
Dibromochloromethane  
Concen: 1.698 ug/l  
RT: 9.268 min Scan# 1342  
Delta R.T. -0.257 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

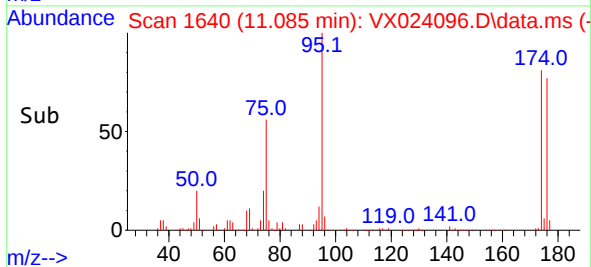
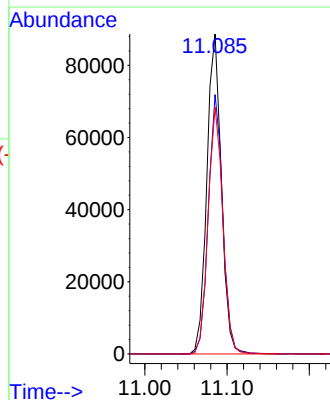
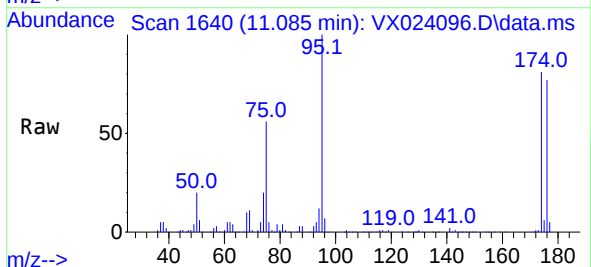
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

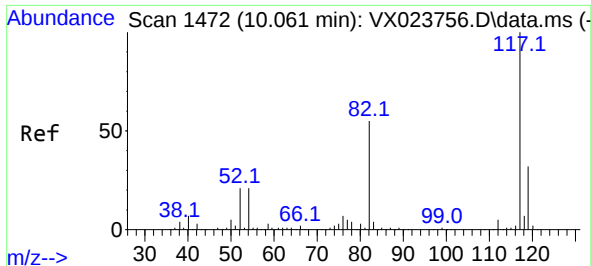
Tgt Ion:129 Resp: 20  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 48.355 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 95 Resp: 108649  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 154.6  
176 78.3 0.0 155.8

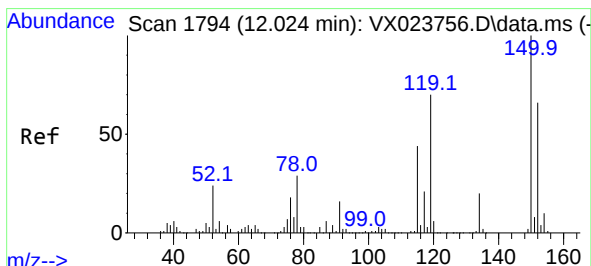
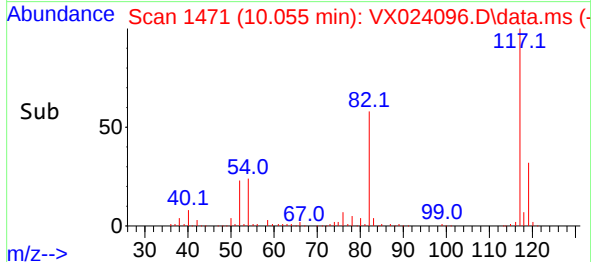
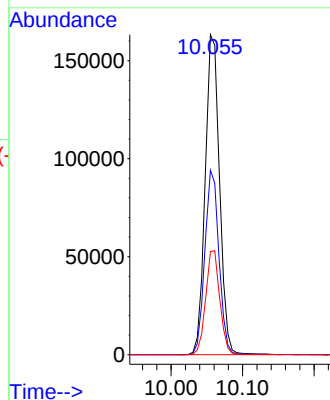
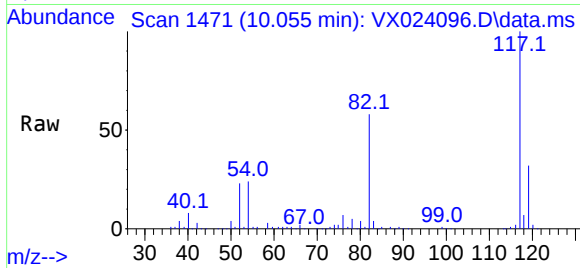




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

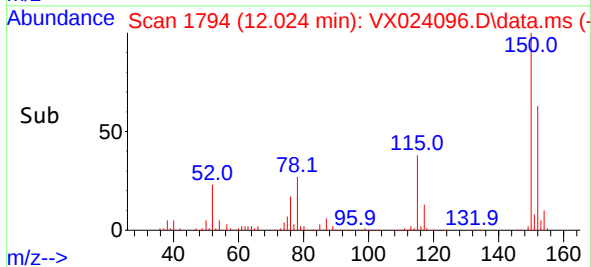
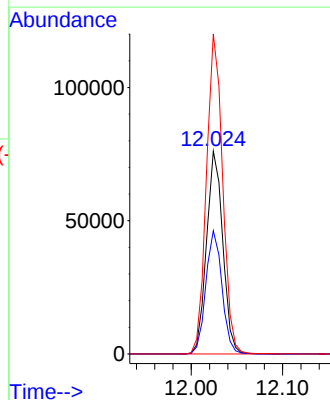
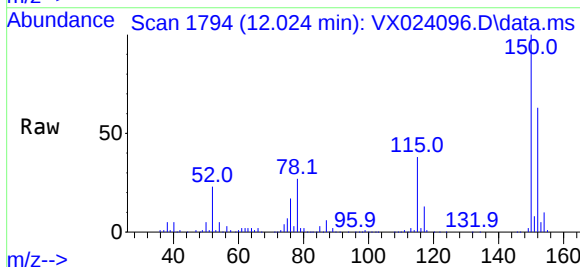
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

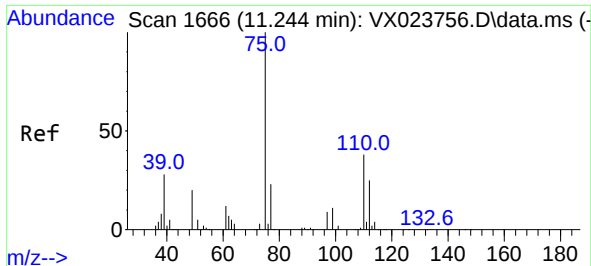
Tgt Ion:117 Resp: 228023  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.4 71.2  
119 32.2 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion:152 Resp: 93955  
Ion Ratio Lower Upper  
152 100  
115 60.1 41.1 123.3  
150 156.6 0.0 349.0

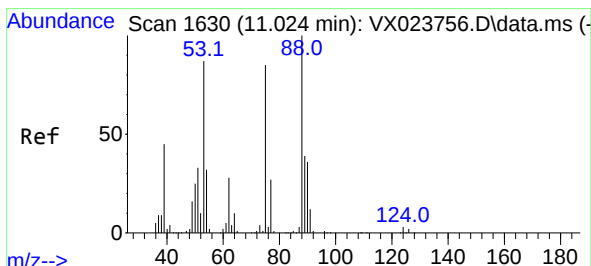
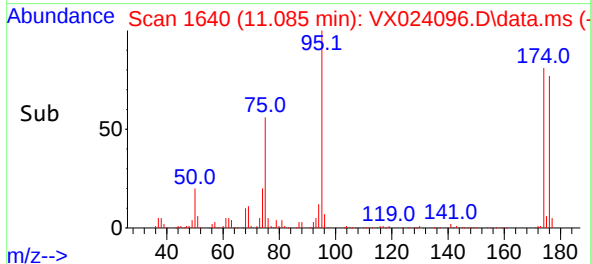
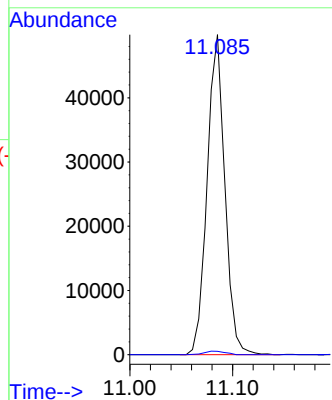
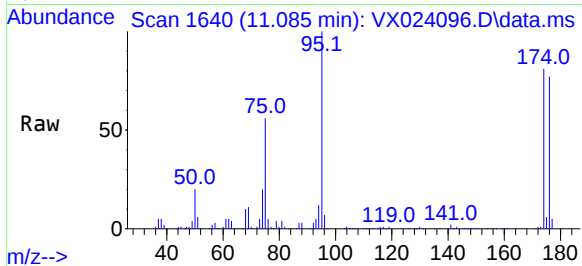




#76  
1,2,3-Trichloropropane  
Concen: 27.242 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

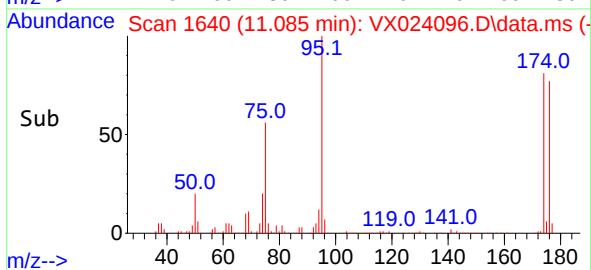
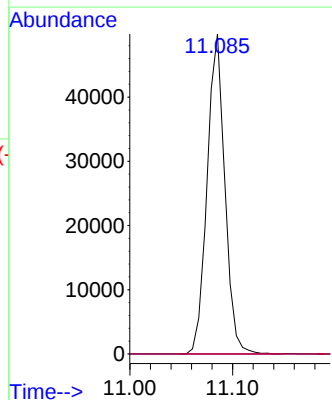
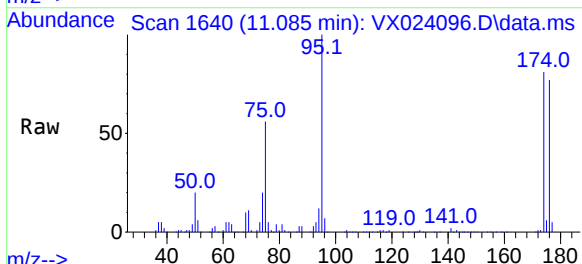
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

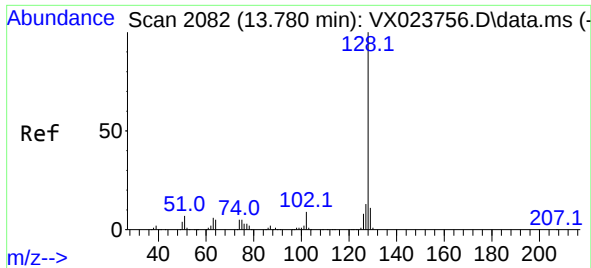
Tgt Ion: 75 Resp: 59706  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.132 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Tgt Ion: 75 Resp: 59706  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#95  
Naphthalene  
Concen: 1.336 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX024096.D  
Acq: 03 Sep 2021 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-EB-20210831

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 10.8  | 10.3  | 15.5  |
| 129     | 0.0   | 8.8   | 13.2# |

