

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060322\  
 Data File : VX029212.D  
 Acq On : 04 Jun 2022 00:11  
 Operator : JC/MD  
 Sample : N3165-08 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 59BR-20220531

Quant Time: Jun 06 02:39:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 Response via : Initial Calibration

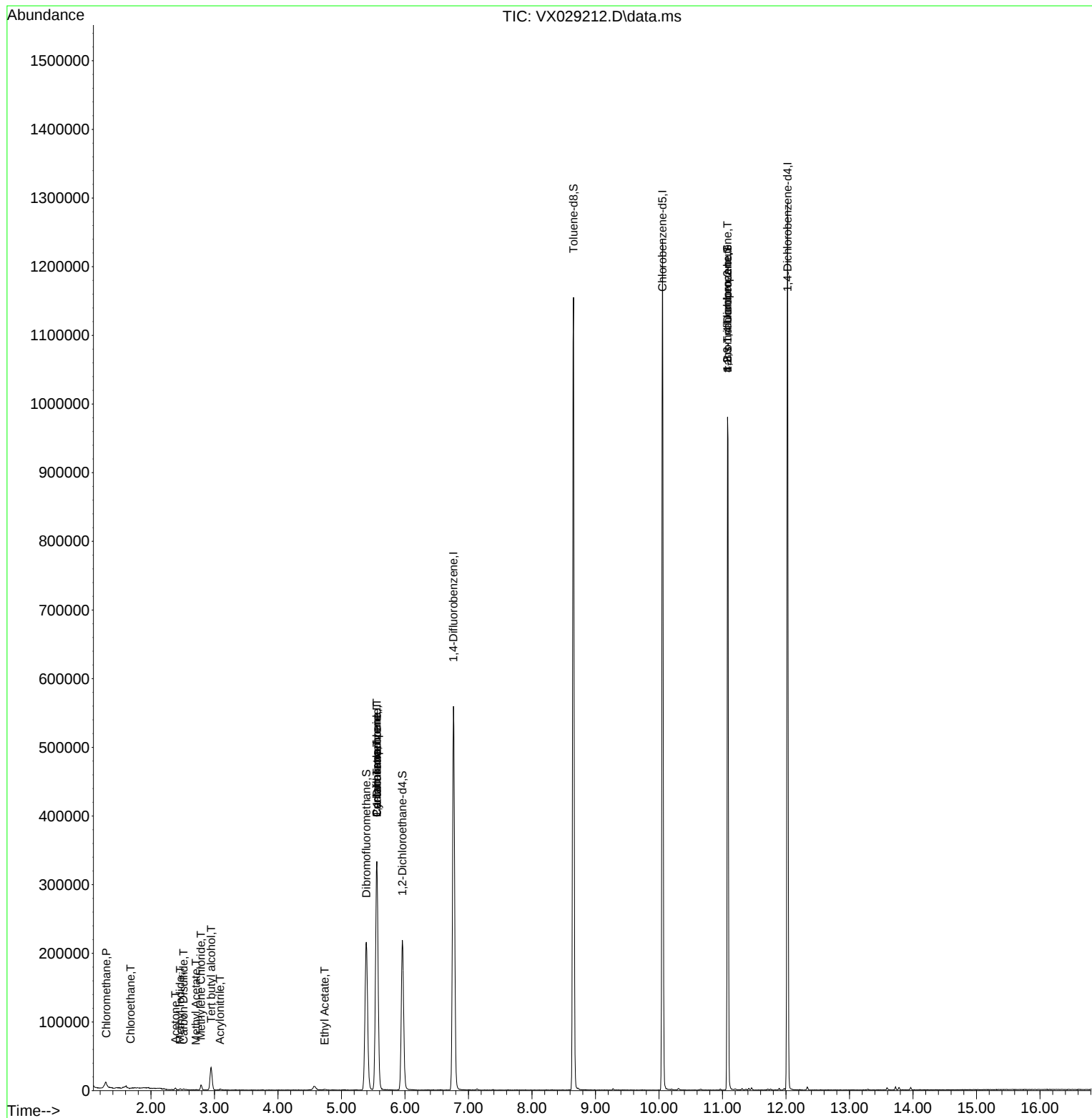
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 314768   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 585537   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 579718   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 269250   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 207504   | 58.461    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 116.920% |
| 35) Dibromofluoromethane      | 5.391  | 113   | 192146   | 49.404    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 98.800%  |
| 50) Toluene-d8                | 8.653  | 98    | 698866   | 49.131    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 98.260%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 281783   | 51.246    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 102.500% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 1.295  | 50    | 864      | 0.302     | ug/l   | 98       |
| 5) Bromomethane               | 1.618  | 94    | 1132     | Below Cal |        | 98       |
| 6) Chloroethane               | 1.679  | 64    | 230      | 1.486     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.459  | 142   | 1911     | 4.719     | ug/l # | 94       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 18875    | 22.955    | ug/l # | 75       |
| 15) Acrylonitrile             | 3.087  | 53    | 362      | 0.214     | ug/l # | 76       |
| 16) Acetone                   | 2.386  | 43    | 2794     | 1.999     | ug/l # | 81       |
| 17) Carbon Disulfide          | 2.514  | 76    | 1688     | 0.217     | ug/l   | 96       |
| 18) Methyl Acetate            | 2.709  | 43    | 988      | 0.273     | ug/l # | 76       |
| 20) Methylene Chloride        | 2.788  | 84    | 3612     | 1.108     | ug/l   | 96       |
| 31) Cyclohexane               | 5.556  | 56    | 6551     | 1.420     | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 24434    | 4.883     | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.733  | 43    | 1474     | 0.304     | ug/l # | 79       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 31927    | 5.583     | ug/l # | 17       |
| 44) Trichloroethene           | 7.129  | 130   | 609      | Below Cal |        | 84       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 134155   | 24.579    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 134155   | 72.109    | ug/l # | 15       |
| 94) Hexachlorobutadiene       | 13.719 | 225   | 821      | Below Cal |        | 76       |
| -----                         |        |       |          |           |        |          |

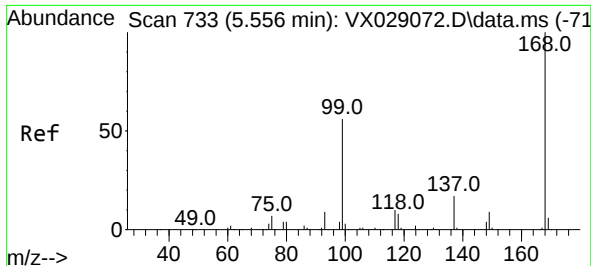
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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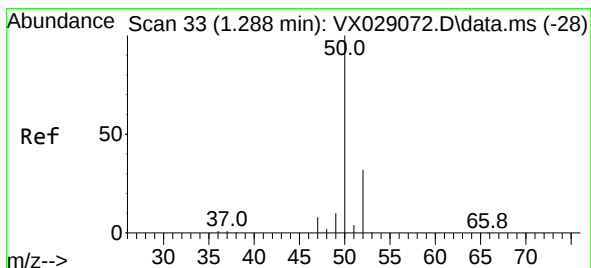
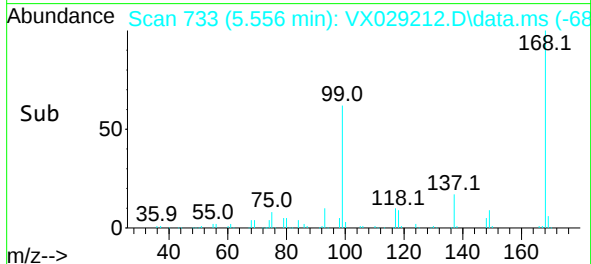
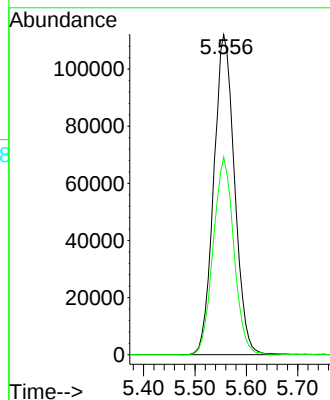
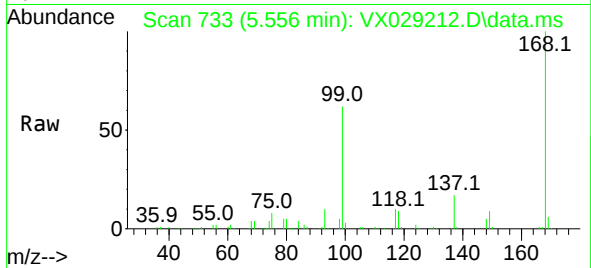




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

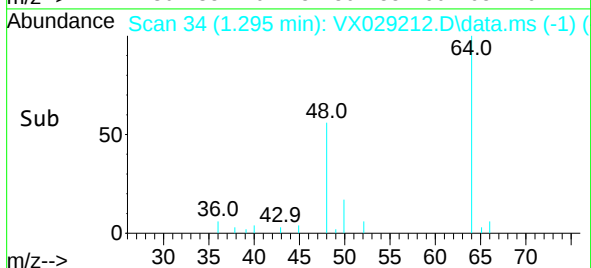
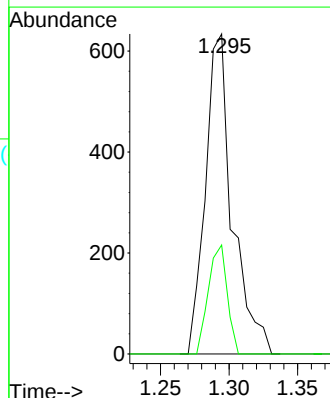
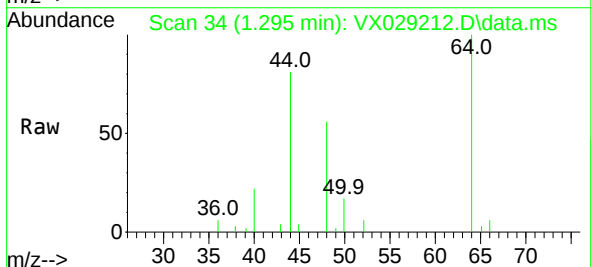
Instrument :  
MSVOA\_X  
ClientSampleId :  
59BR-20220531

Tgt Ion:168 Resp: 314768  
Ion Ratio Lower Upper  
168 100  
99 61.8 41.7 62.5



#3  
Chloromethane  
Concen: 0.302 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.007 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 50 Resp: 864  
Ion Ratio Lower Upper  
50 100  
52 34.1 26.4 39.6

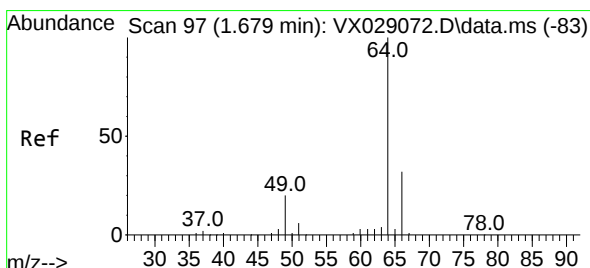
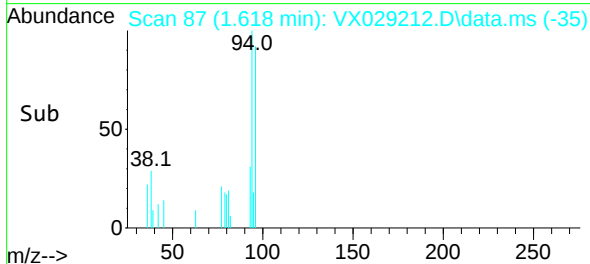
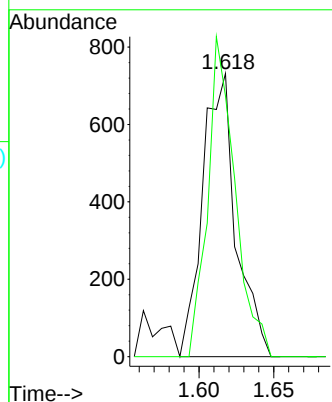
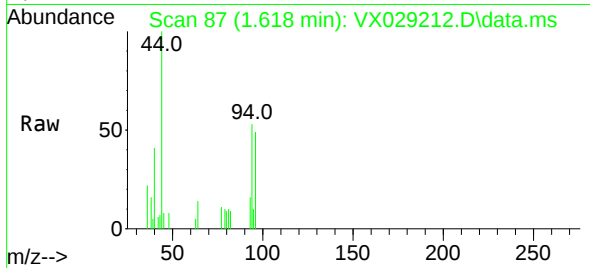




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 81  
Delta R.T. 0.019 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

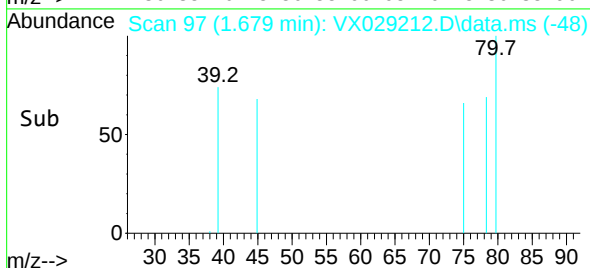
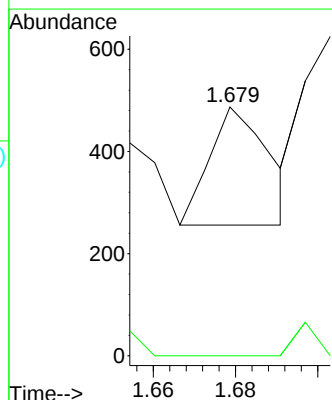
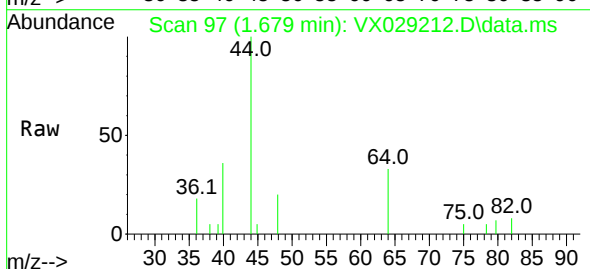
Instrument :  
MSVOA\_X  
ClientSampleId :  
59BR-20220531

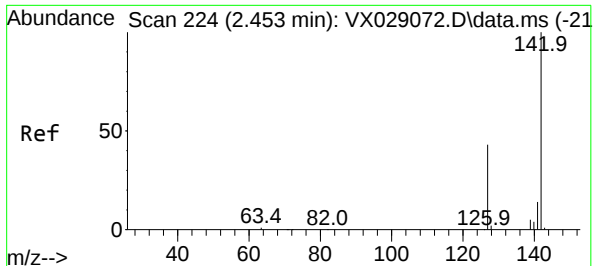
Tgt Ion: 94 Resp: 1132  
Ion Ratio Lower Upper  
94 100  
96 92.1 75.3 112.9



#6  
Chloroethane  
Concen: 1.486 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

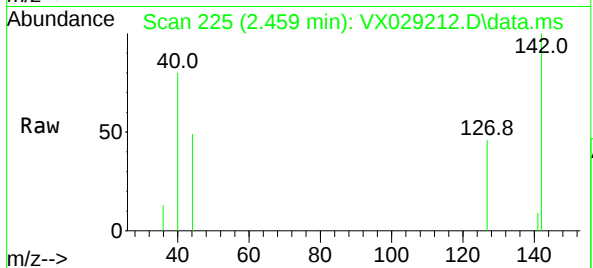
Tgt Ion: 64 Resp: 230  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



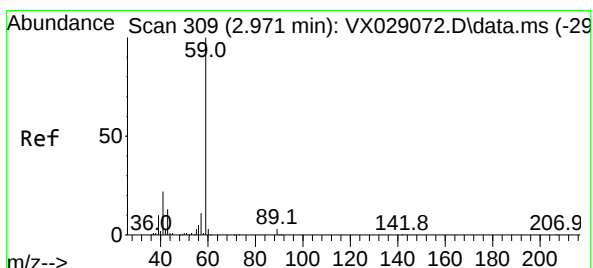
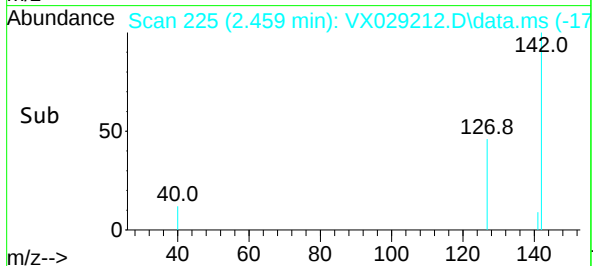
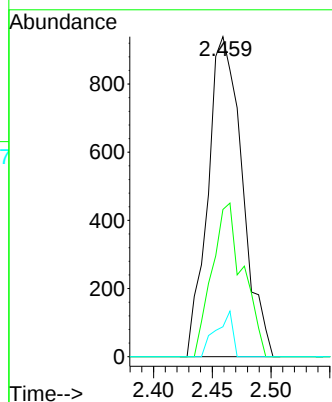


#10  
Methyl Iodide  
Concen: 4.719 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
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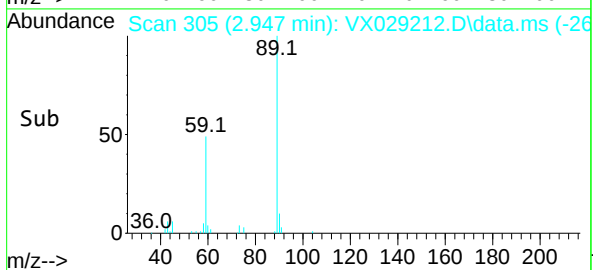
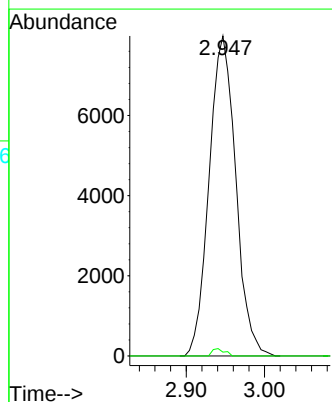
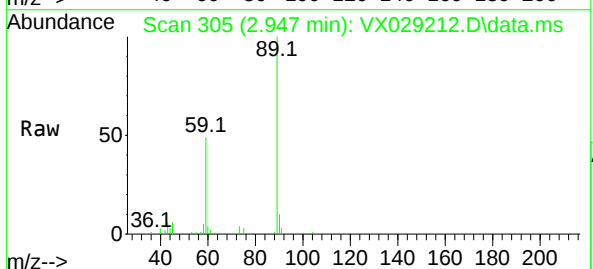


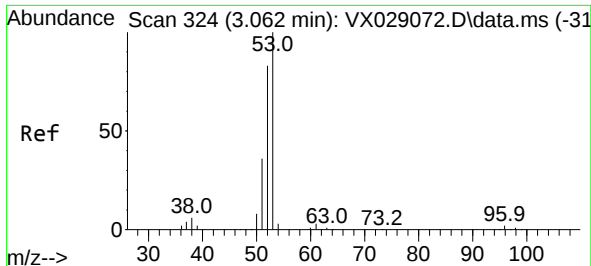
Tgt Ion:142 Resp: 1911  
Ion Ratio Lower Upper  
142 100  
127 43.5 33.9 50.9  
141 6.9 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 22.955 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.024 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 59 Resp: 18875  
Ion Ratio Lower Upper  
59 100  
57 1.1 8.3 12.5#

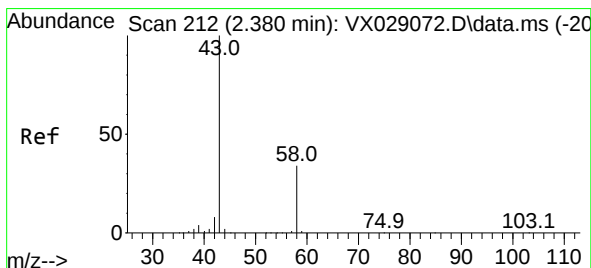
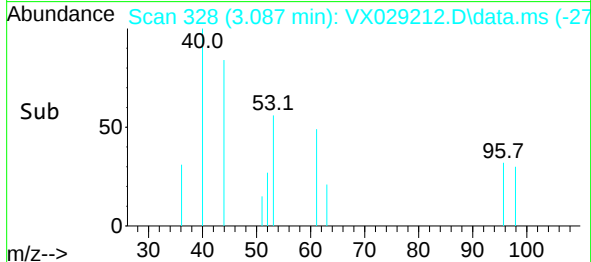
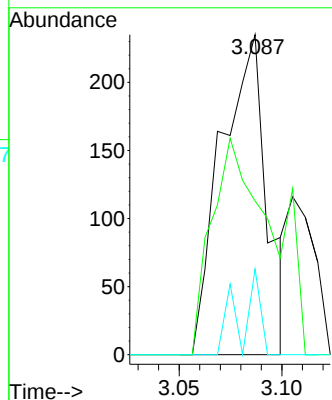
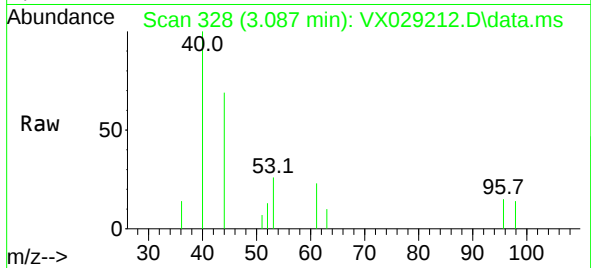




#15  
Acrylonitrile  
Concen: 0.214 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.025 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

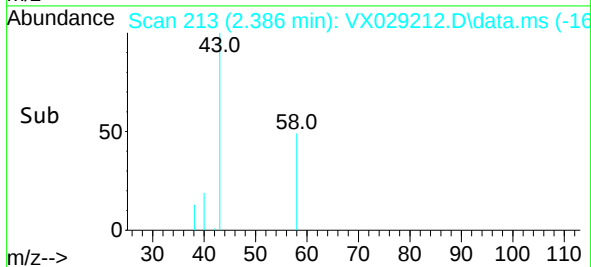
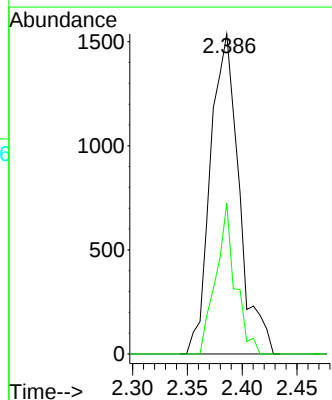
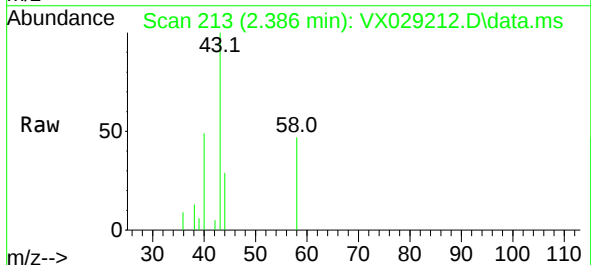
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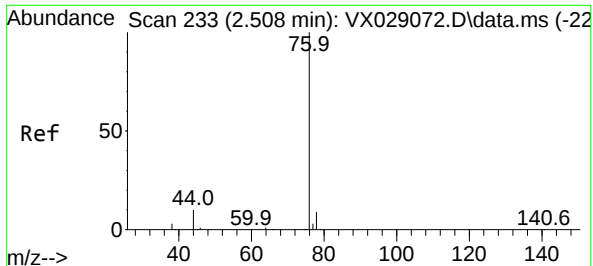
Tgt Ion: 53 Resp: 362  
Ion Ratio Lower Upper  
53 100  
52 89.8 65.7 98.5  
51 0.0 28.4 42.6#



#16  
Acetone  
Concen: 1.999 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 43 Resp: 2794  
Ion Ratio Lower Upper  
43 100  
58 47.2 28.8 43.2#

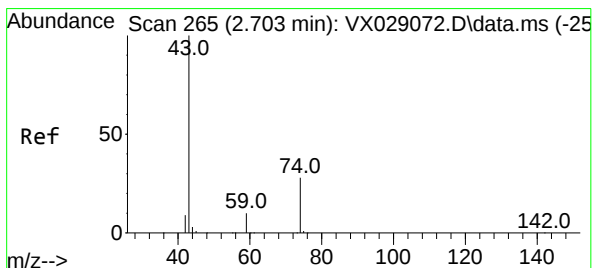
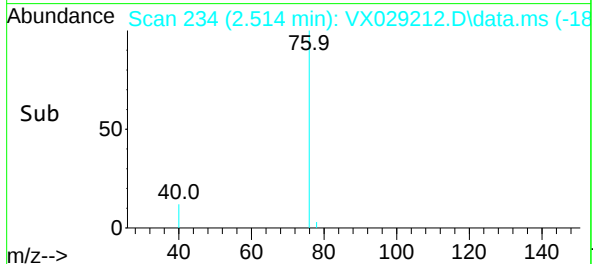
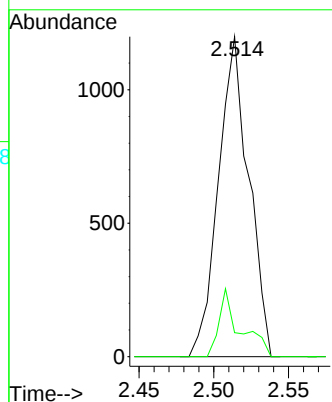
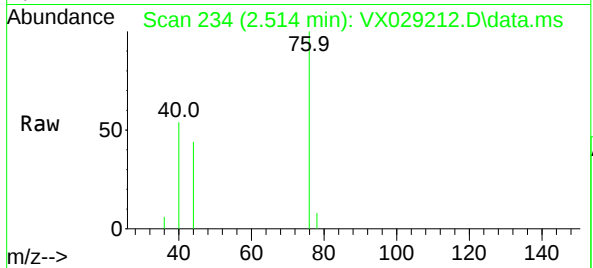




#17  
Carbon Disulfide  
Concen: 0.217 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

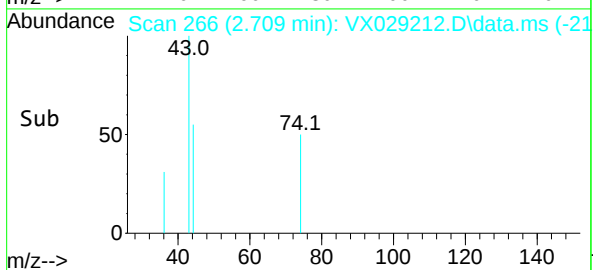
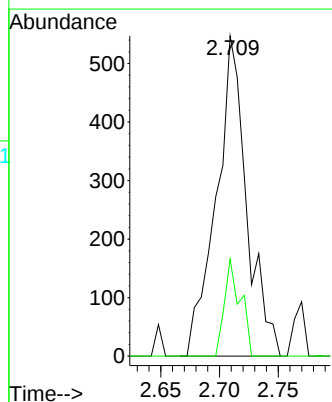
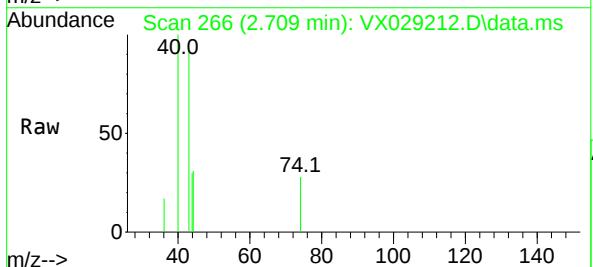
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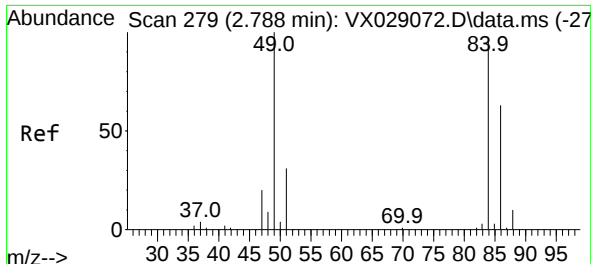
Tgt Ion: 76 Resp: 1688  
Ion Ratio Lower Upper  
76 100  
78 7.5 7.2 10.8



#18  
Methyl Acetate  
Concen: 0.273 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

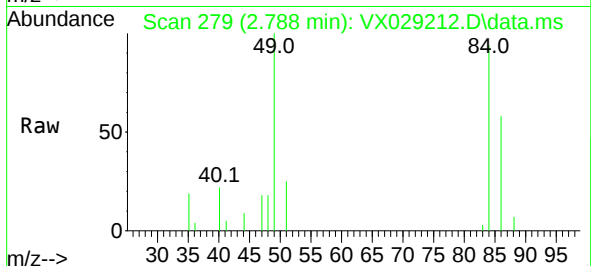
Tgt Ion: 43 Resp: 988  
Ion Ratio Lower Upper  
43 100  
74 16.0 22.8 34.2#



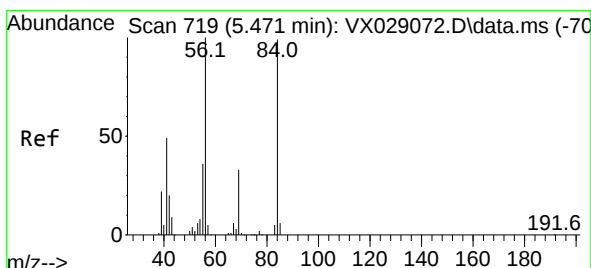
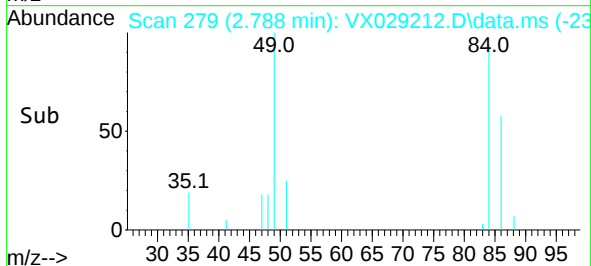
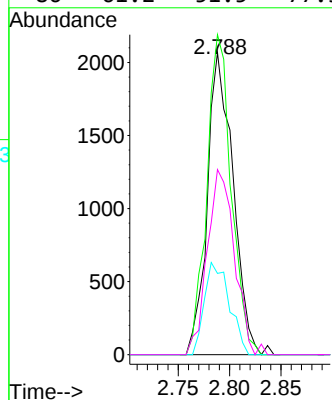


#20  
Methylene Chloride  
Concen: 1.108 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Instrument :  
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ClientSampleId :  
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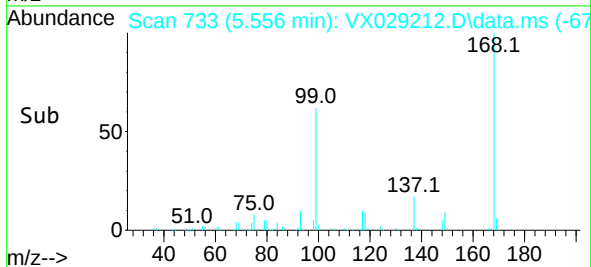
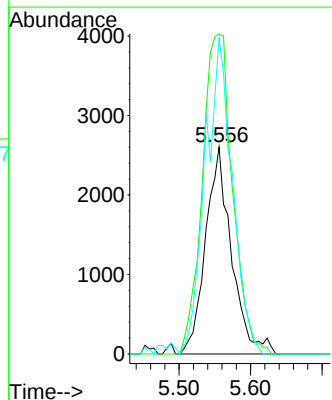
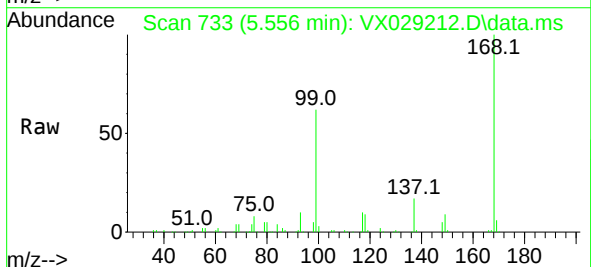


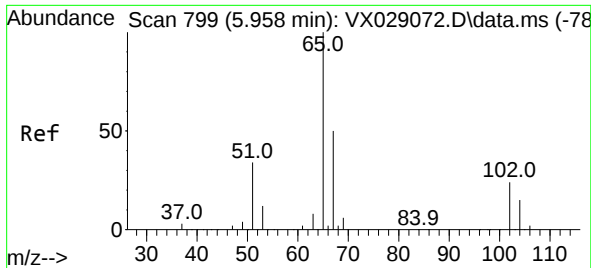
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|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3612  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 105.8 | 85.5  | 128.3 |
| 51       | 26.9  | 26.6  | 39.8  |
| 86       | 61.2  | 51.5  | 77.3  |



#31  
Cyclohexane  
Concen: 1.420 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6551   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 154.7 | 26.7  | 40.1#  |
| 84       | 153.0 | 77.2  | 115.8# |

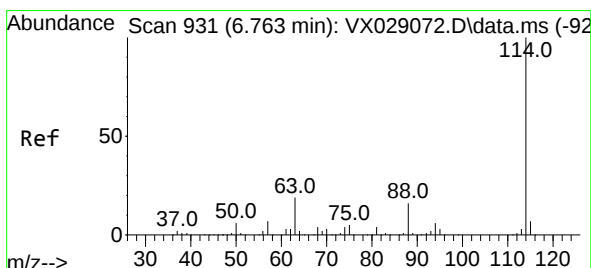
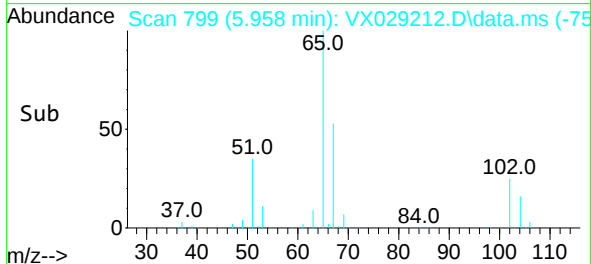
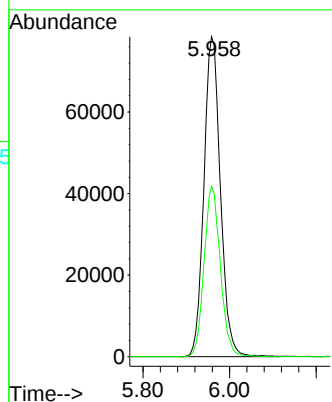
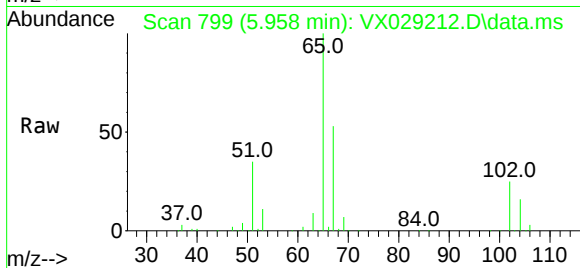




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.461 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX029212.D  
 Acq: 04 Jun 2022 00:11

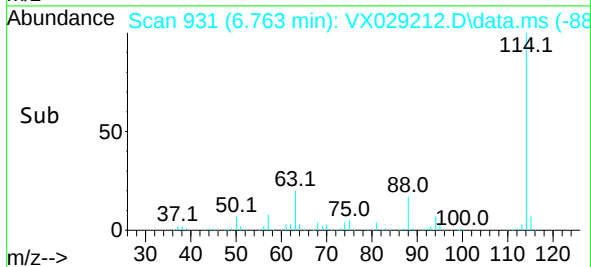
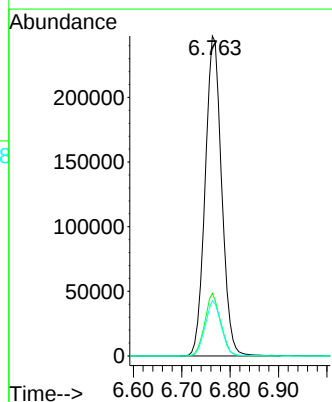
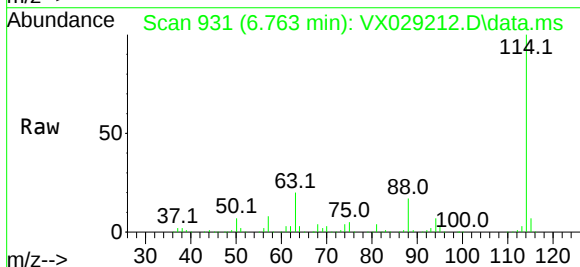
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 59BR-20220531

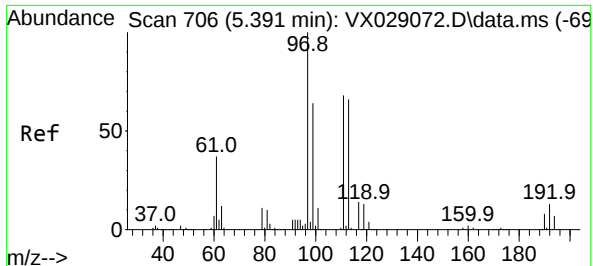
Tgt Ion: 65 Resp: 207504  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX029212.D  
 Acq: 04 Jun 2022 00:11

Tgt Ion: 114 Resp: 585537  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 36.8  
 88 17.3 0.0 32.4

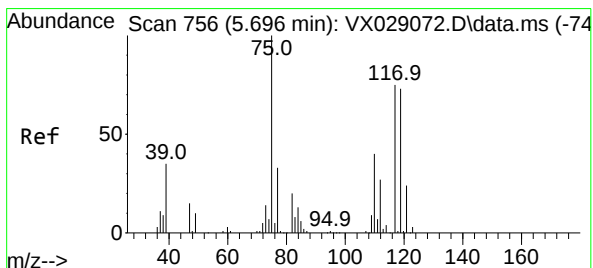
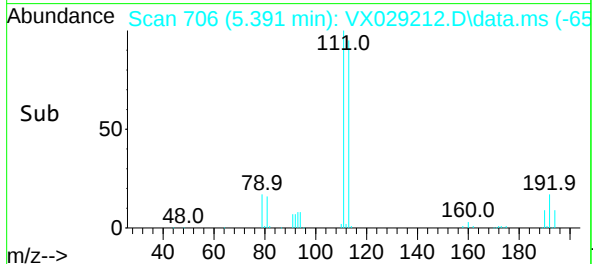
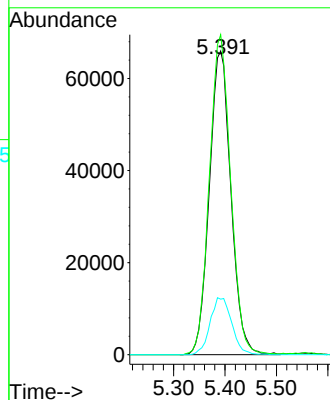
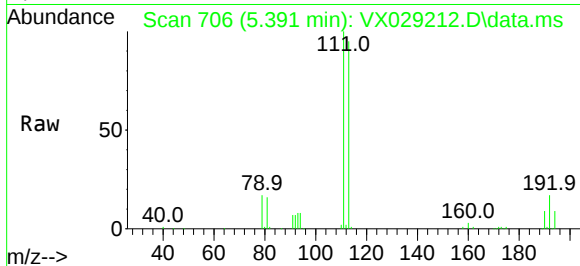




#35  
Dibromofluoromethane  
Concen: 49.404 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

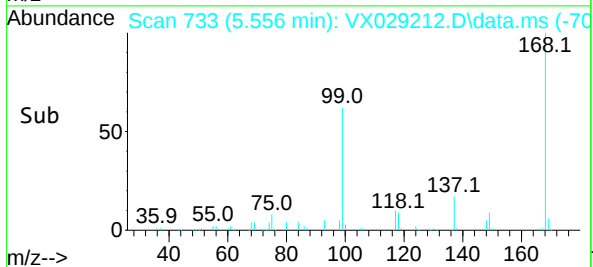
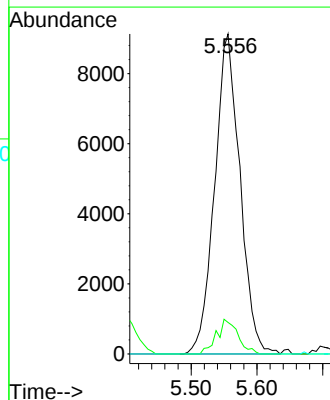
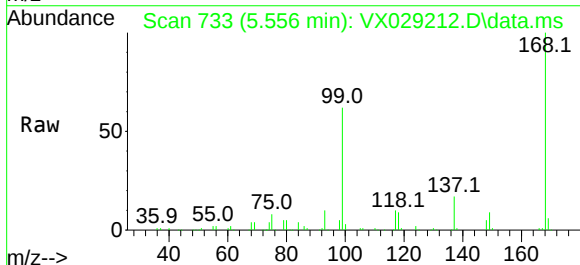
Instrument :  
MSVOA\_X  
ClientSampleId :  
59BR-20220531

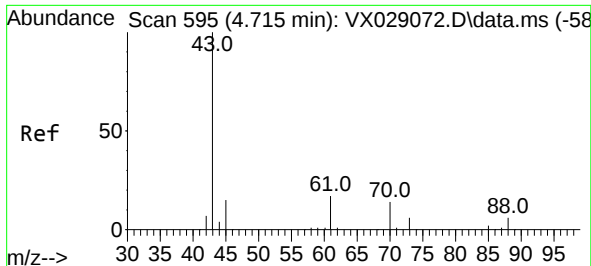
Tgt Ion:113 Resp: 192146  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.8 124.2  
192 18.8 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.883 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 75 Resp: 24434  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.3 54.8#  
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.304 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX029212.D

Acq: 04 Jun 2022 00:11

Instrument :

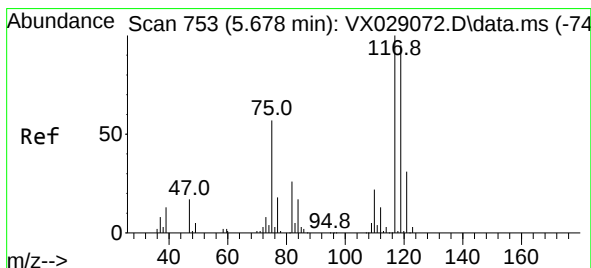
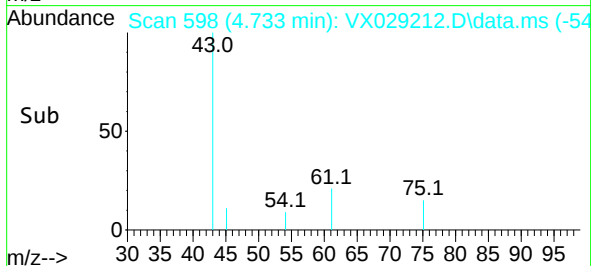
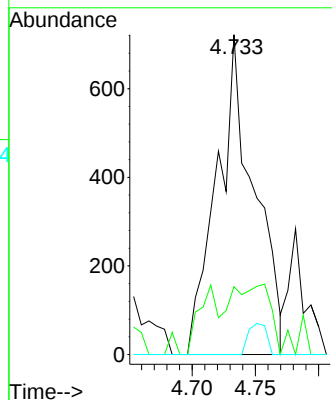
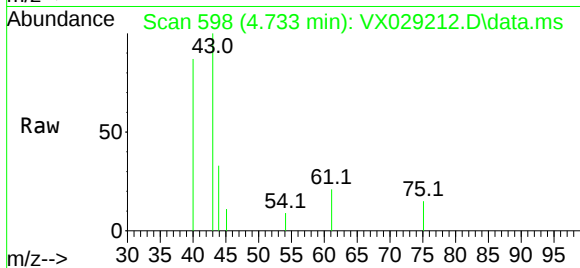
MSVOA\_X

ClientSampleId :

59BR-20220531

Tgt Ion: 43 Resp: 1474

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 11.0  | 12.6  | 19.0# |
| 70  | 0.0   | 10.2  | 15.2# |



#38

Carbon Tetrachloride

Concen: 5.583 ug/l

RT: 5.556 min Scan# 733

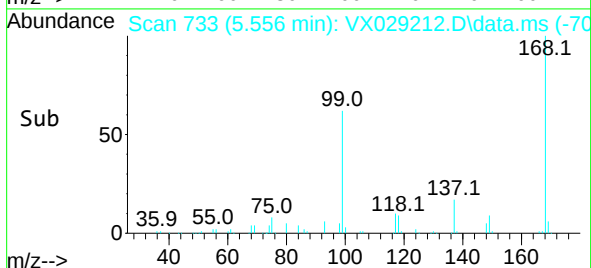
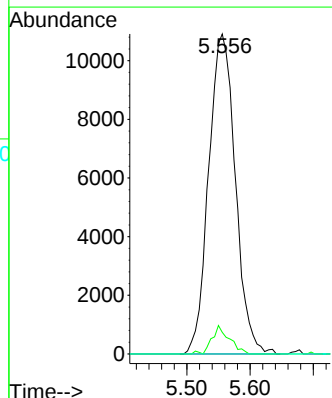
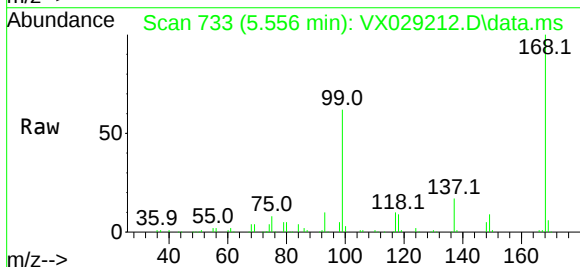
Delta R.T. -0.122 min

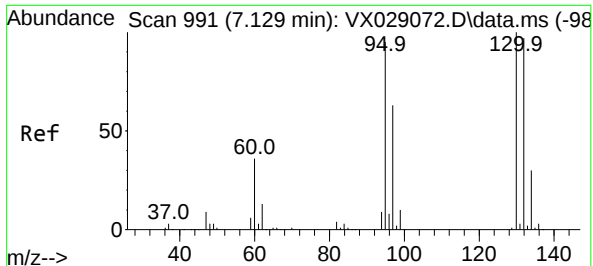
Lab File: VX029212.D

Acq: 04 Jun 2022 00:11

Tgt Ion: 117 Resp: 31927

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 6.8   | 77.3  | 115.9# |
| 121 | 0.0   | 24.2  | 36.2#  |

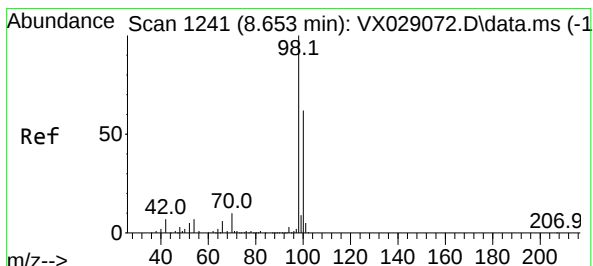
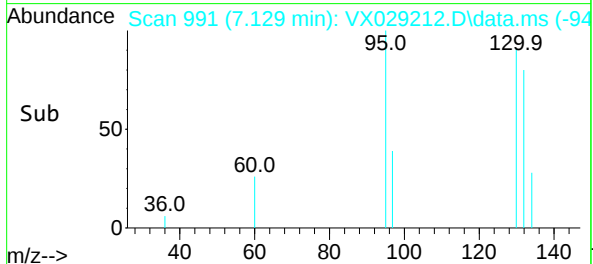
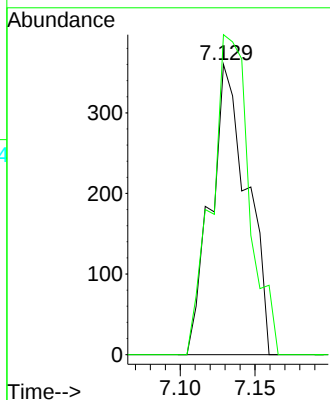
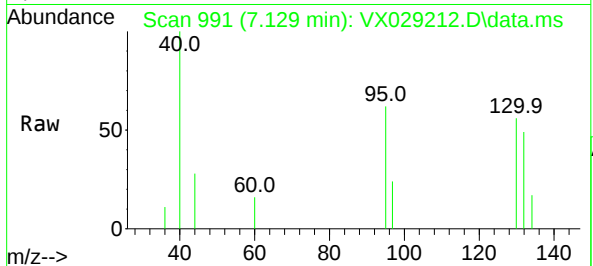




#44  
Trichloroethene  
Concen: Below Cal  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

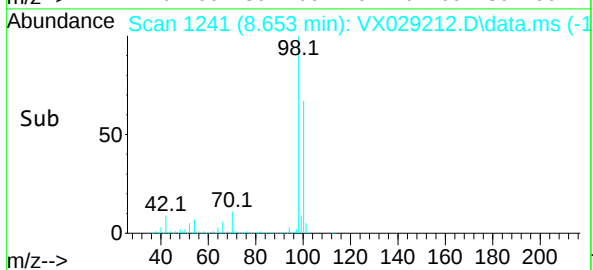
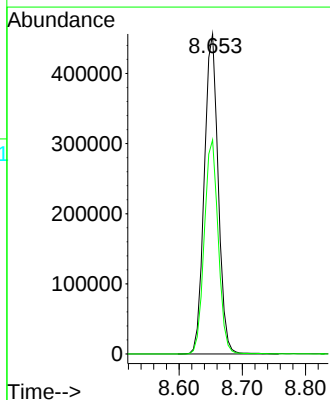
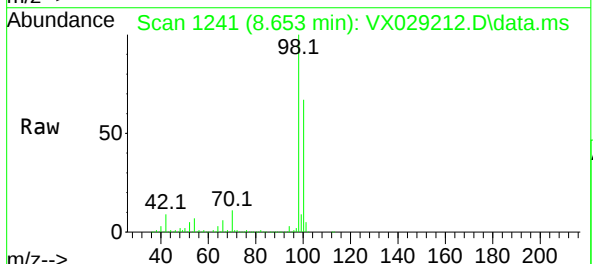
Instrument :  
MSVOA\_X  
ClientSampleId :  
59BR-20220531

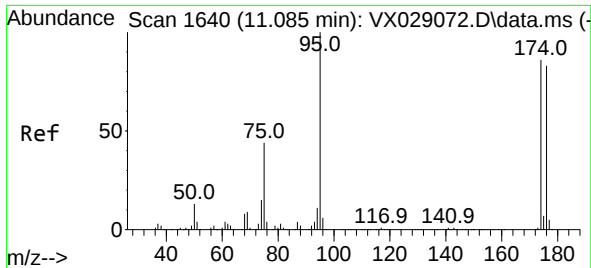
Tgt Ion:130 Resp: 609  
Ion Ratio Lower Upper  
130 100  
95 110.3 0.0 188.8



#50  
Toluene-d8  
Concen: 49.131 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 98 Resp: 698866  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.6 78.8

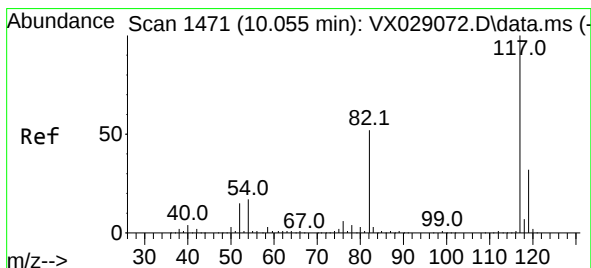
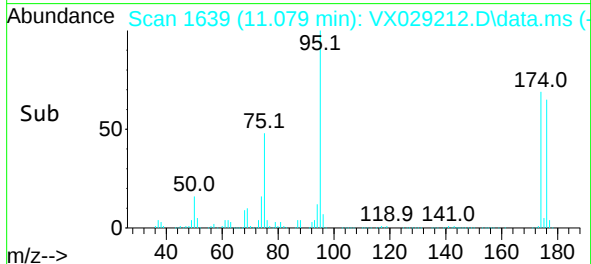
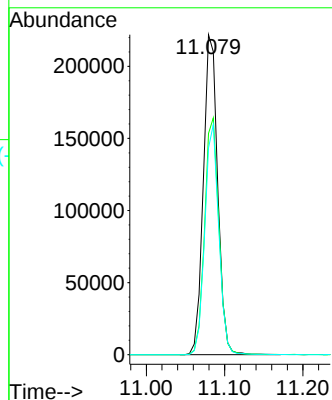
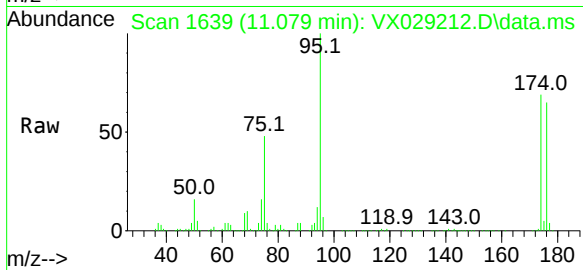




#62  
4-Bromofluorobenzene  
Concen: 51.246 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

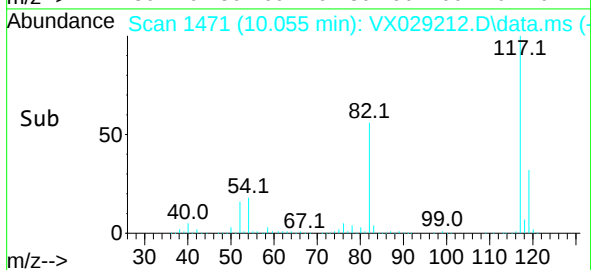
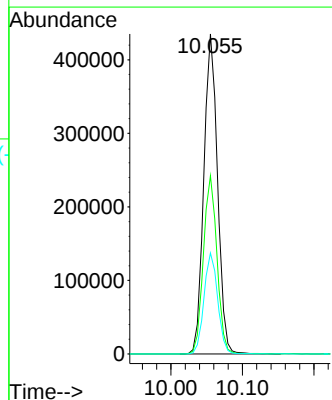
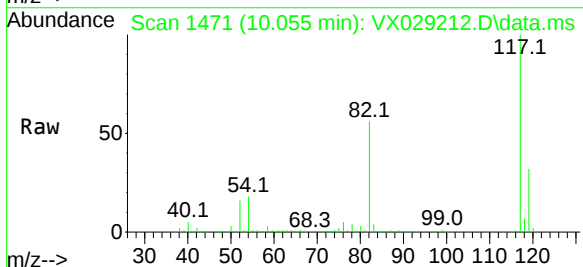
Instrument :  
MSVOA\_X  
ClientSampleId :  
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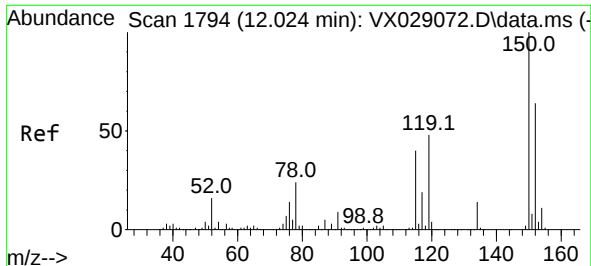
Tgt Ion: 95 Resp: 281783  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 163.0  
176 70.1 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 117 Resp: 579718  
Ion Ratio Lower Upper  
117 100  
82 55.7 41.8 62.8  
119 31.6 24.8 37.2

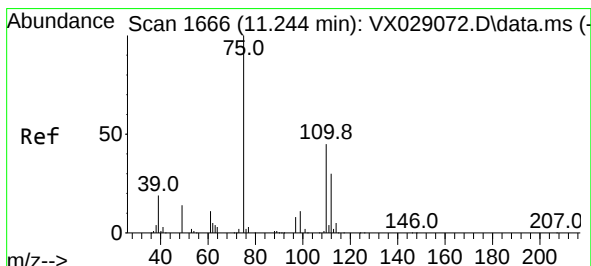
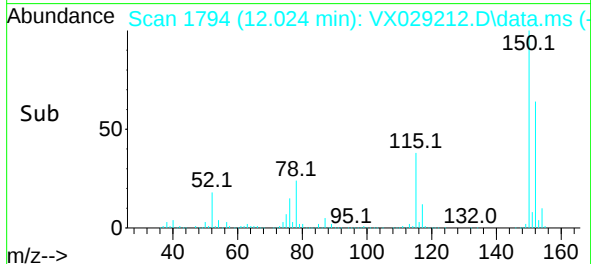
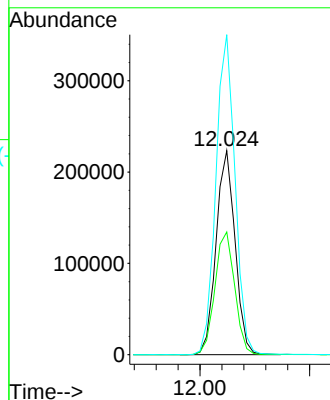
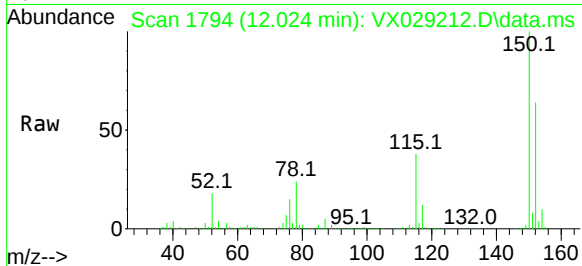




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX029212.D  
 Acq: 04 Jun 2022 00:11

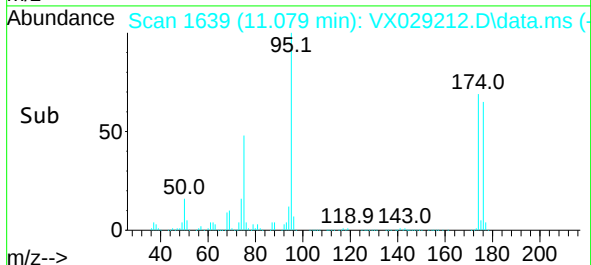
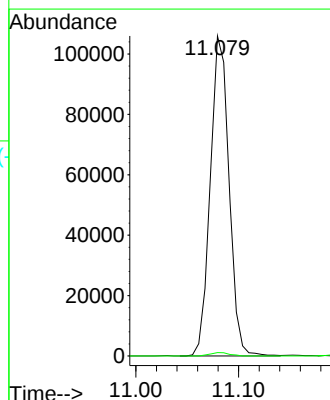
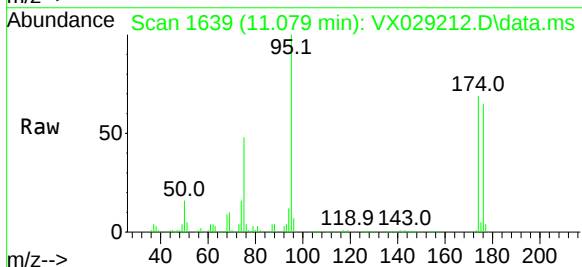
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 59BR-20220531

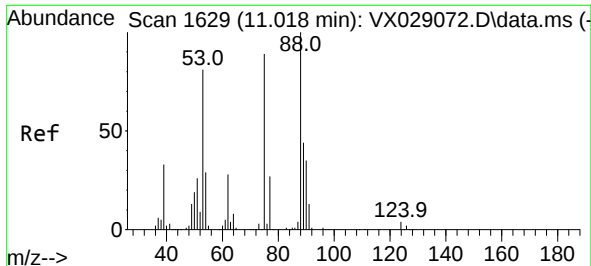
Tgt Ion:152 Resp: 269250  
 Ion Ratio Lower Upper  
 152 100  
 115 62.8 37.5 112.7  
 150 158.2 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 24.579 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX029212.D  
 Acq: 04 Jun 2022 00:11

Tgt Ion: 75 Resp: 134155  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.4 58.2#

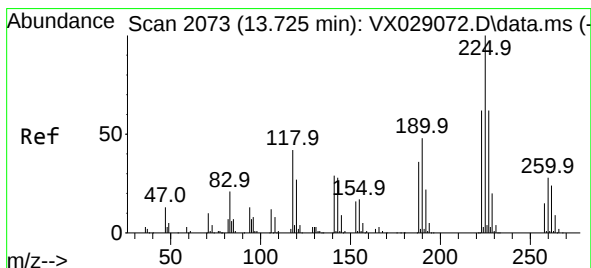
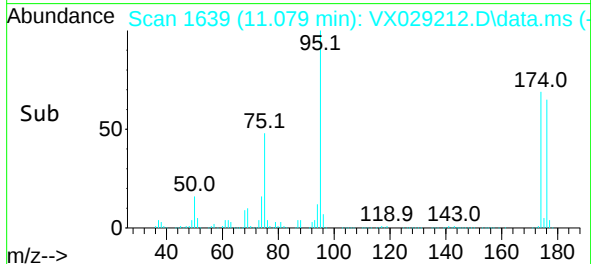
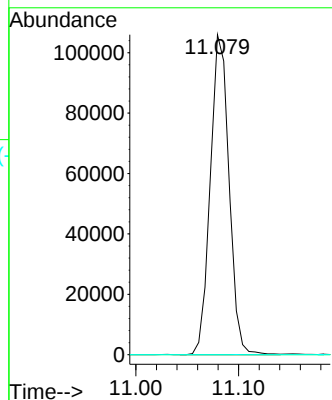
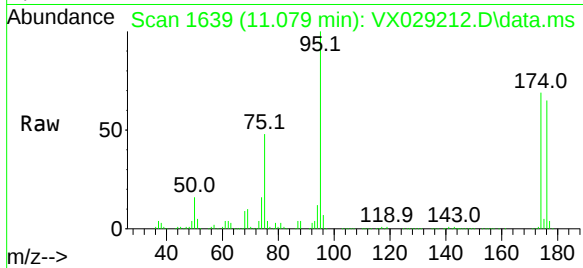




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.109 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
59BR-20220531

Tgt Ion: 75 Resp: 134155  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#



#94  
Hexachlorobutadiene  
Concen: Below Cal  
RT: 13.719 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VX029212.D  
Acq: 04 Jun 2022 00:11

Tgt Ion: 225 Resp: 821  
Ion Ratio Lower Upper  
225 100  
223 58.5 34.2 102.5  
227 38.9 33.9 101.7

