

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101322\  
 Data File : VX032104.D  
 Acq On : 13 Oct 2022 12:36  
 Operator : JC/MD  
 Sample : N5132-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GWOW-BR-01-340-360-101222

Quant Time: Oct 14 07:50:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

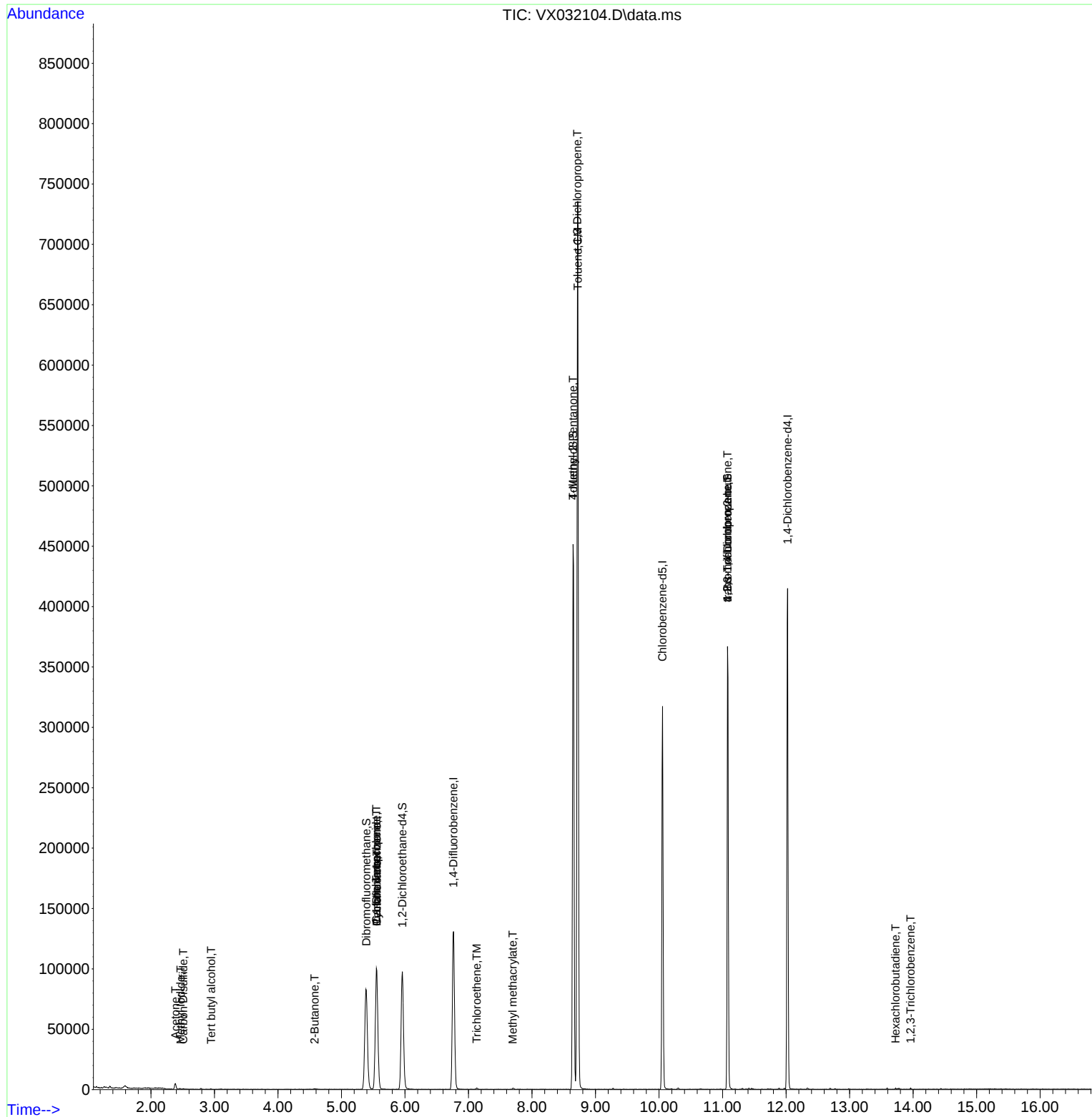
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 87698               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 130546              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 134842              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 81383               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 96543               | 53.305    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 106.600% |           |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 71785               | 48.579    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 97.160%  |           |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 263610              | 49.576    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 99.160%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 93051               | 49.500    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 99.000%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 1.624          | 94   | 305                 | Below Cal | #      | 36       |
| 10) Methyl Iodide             | 2.465          | 142  | 576                 | 3.124     | ug/l # | 86       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 95                  | 0.422     | ug/l # | 73       |
| 16) Acetone                   | 2.386          | 43   | 5381                | 8.742     | ug/l   | 89       |
| 17) Carbon Disulfide          | 2.508          | 76   | 634                 | 0.221     | ug/l # | 75       |
| 25) 2-Butanone                | 4.574          | 43   | 303                 | 0.315     | ug/l # | 49       |
| 31) Cyclohexane               | 5.556          | 56   | 2157                | 0.997     | ug/l # | 44       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 7815                | 3.988     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 9733                | 4.858     | ug/l # | 17       |
| 44) Trichloroethene           | 7.129          | 130  | 386                 | 0.229     | ug/l   | 66       |
| 48) Methyl methacrylate       | 7.696          | 41   | 405                 | 0.303     | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1286                | 0.693     | ug/l # | 1        |
| 52) Toluene                   | 8.720          | 92   | 265934              | 70.885    | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.714          | 75   | 3601                | 2.937     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 52136               | 31.258    | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 52136               | 106.539   | ug/l # | 11       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 152                 | 0.216     | ug/l # | 63       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 370                 | 0.210     | ug/l   | 70       |
| -----                         |                |      |                     |           |        |          |

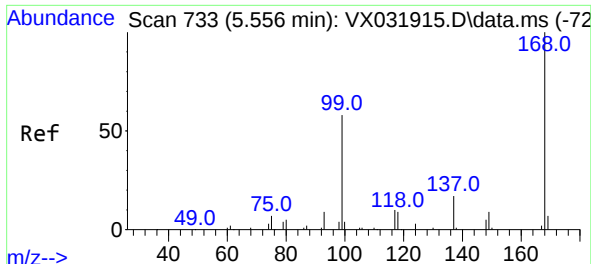
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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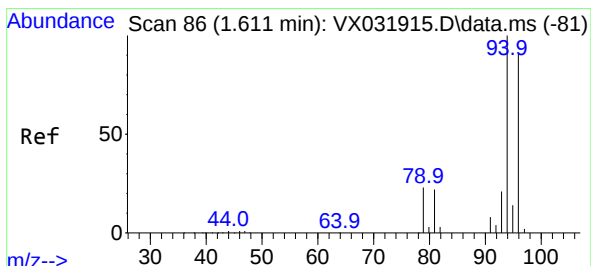
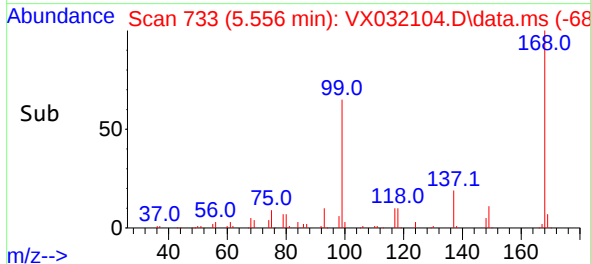
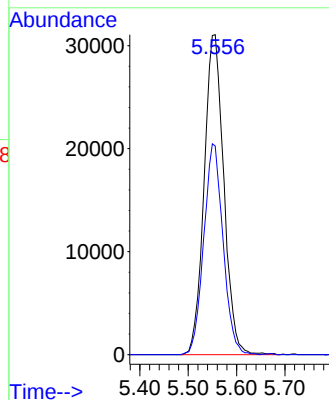
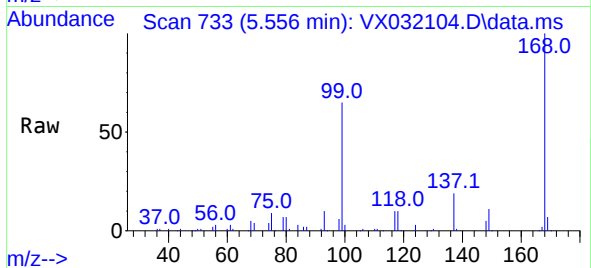




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

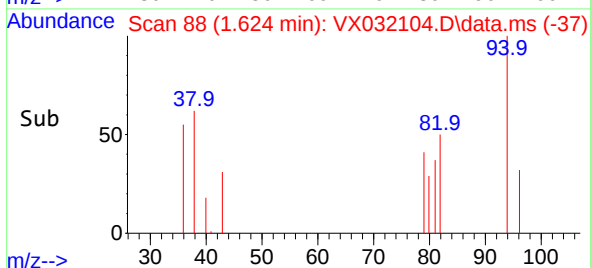
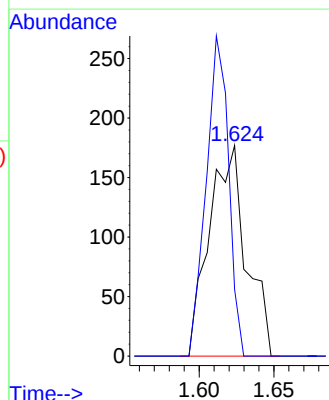
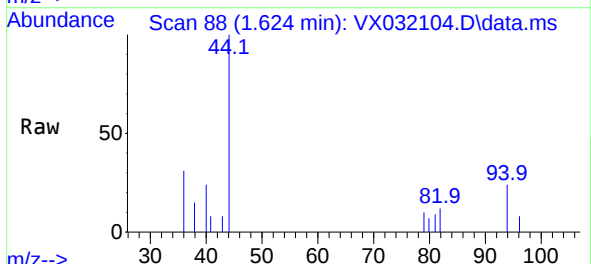
Instrument :  
MSVOA\_X  
ClientSampleId :  
GWOW-BR-01-340-360-101222

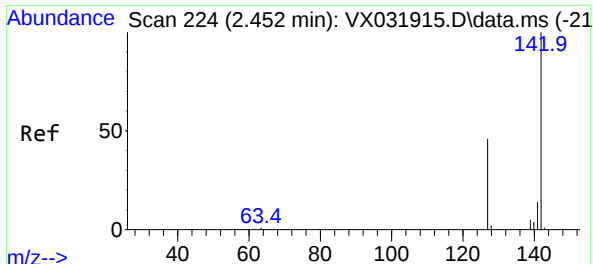
Tgt Ion:168 Resp: 87698  
Ion Ratio Lower Upper  
168 100  
99 65.2 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.624 min Scan# 88  
Delta R.T. 0.013 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 94 Resp: 305  
Ion Ratio Lower Upper  
94 100  
96 31.6 74.4 111.6#

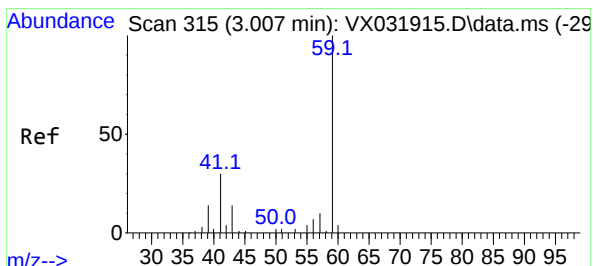
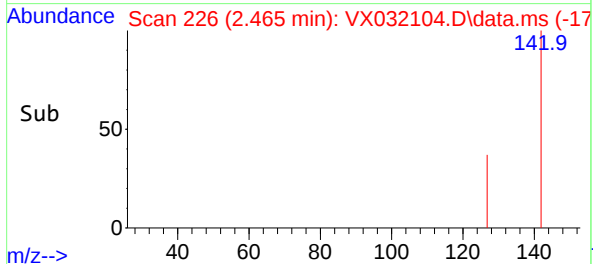
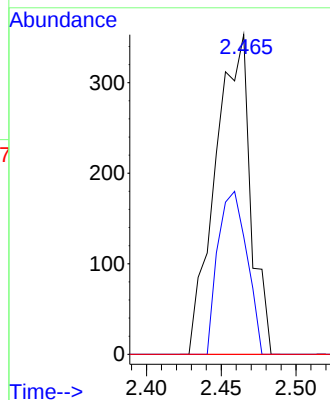
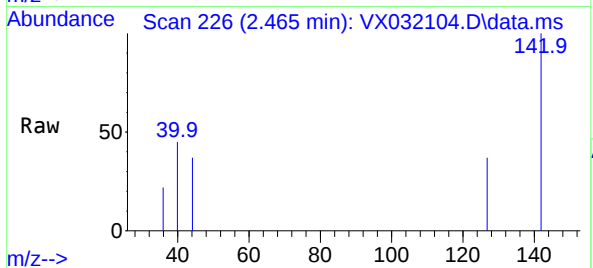




#10  
Methyl Iodide  
Concen: 3.124 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

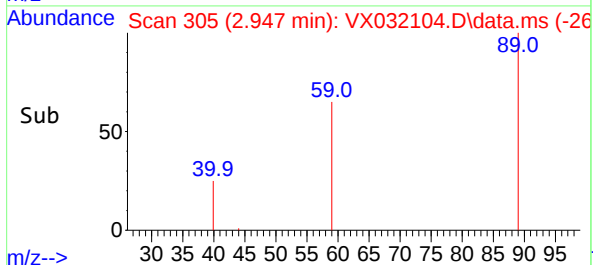
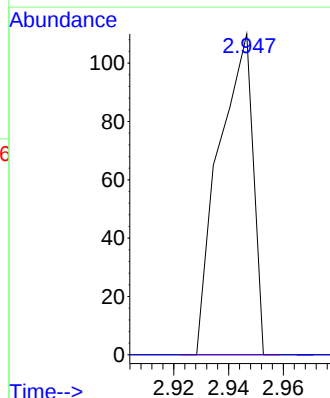
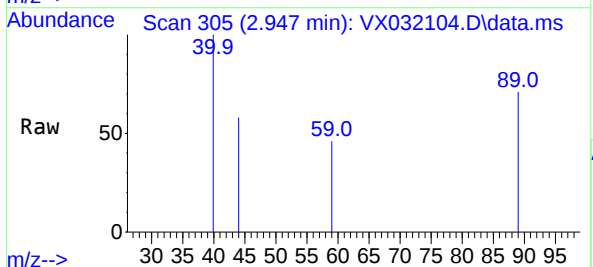
Instrument :  
MSVOA\_X  
ClientSampleId :  
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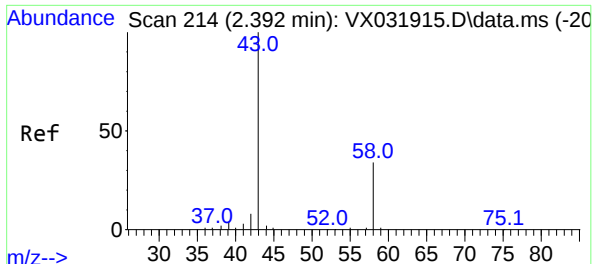
Tgt Ion:142 Resp: 576  
Ion Ratio Lower Upper  
142 100  
127 42.0 37.4 56.0  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 0.422 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.060 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 59 Resp: 95  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

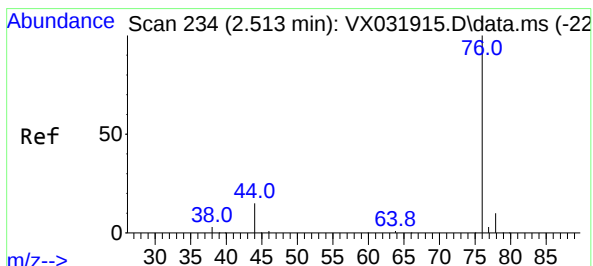
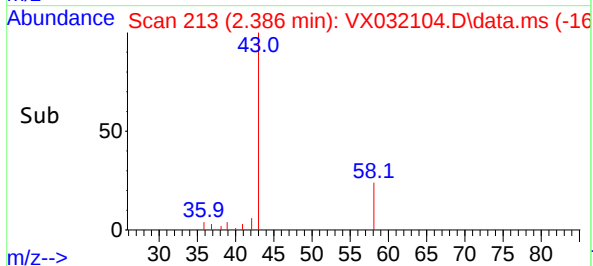
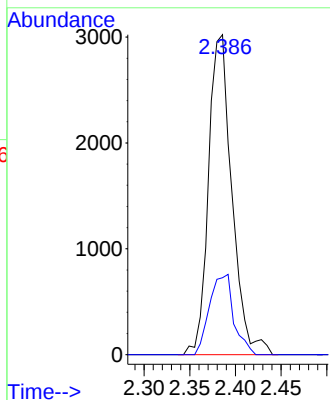
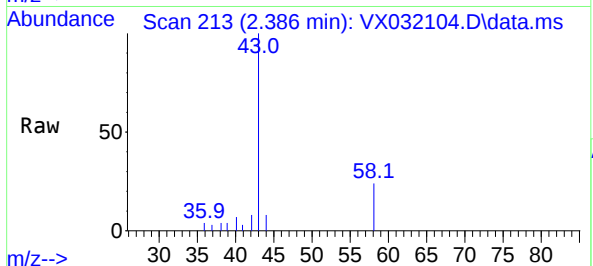




#16  
Acetone  
Concen: 8.742 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

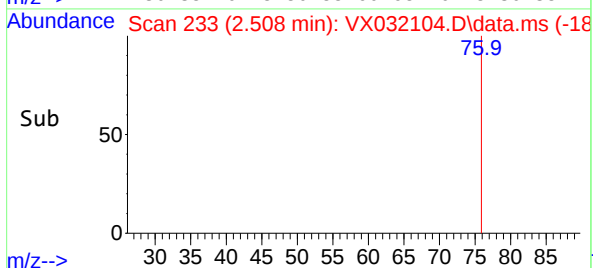
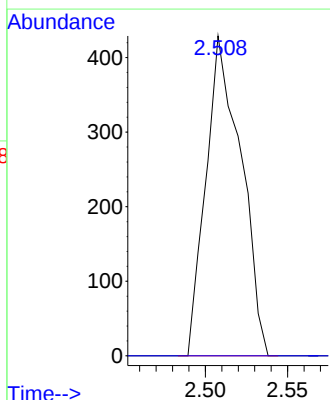
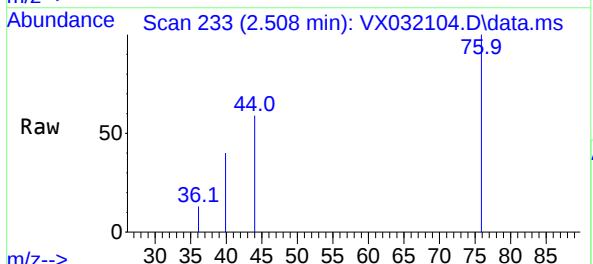
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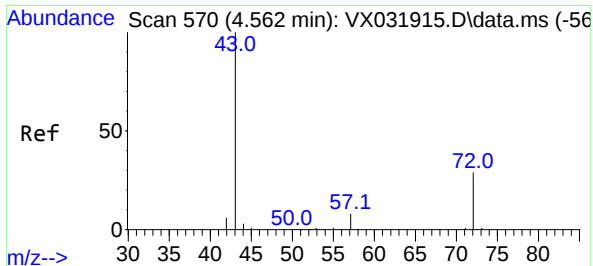
Tgt Ion: 43 Resp: 5381  
Ion Ratio Lower Upper  
43 100  
58 24.0 23.8 35.8



#17  
Carbon Disulfide  
Concen: 0.221 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. -0.005 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 76 Resp: 634  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

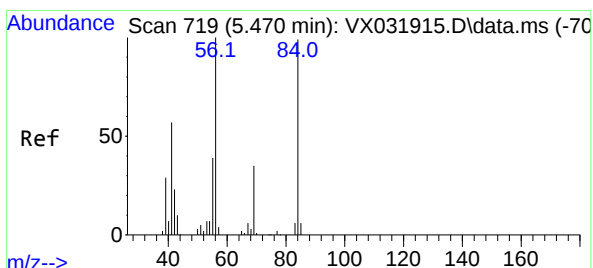
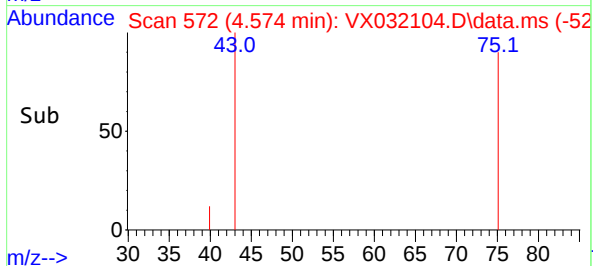
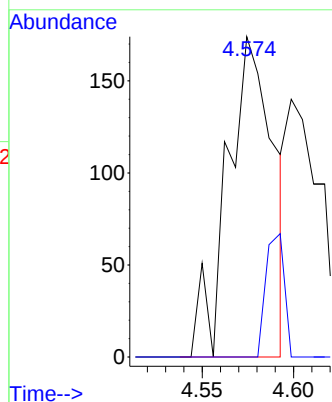
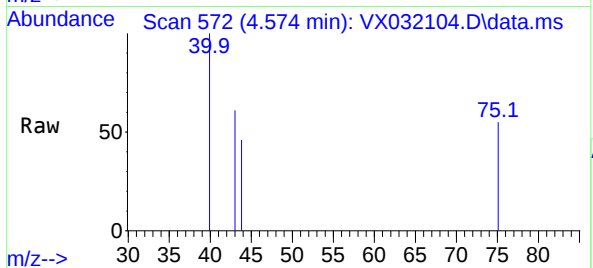




#25  
2-Butanone  
Concen: 0.315 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

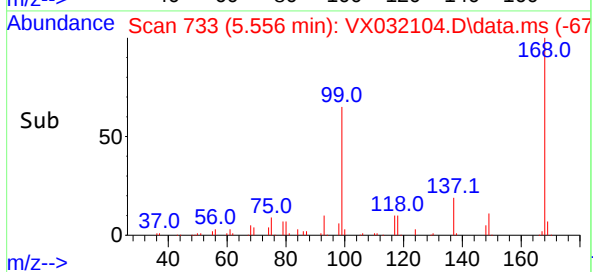
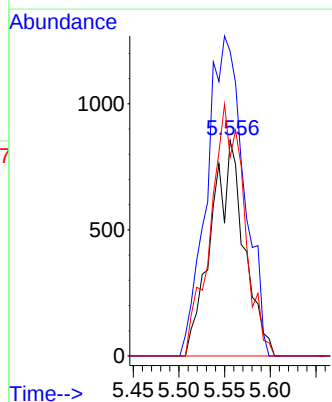
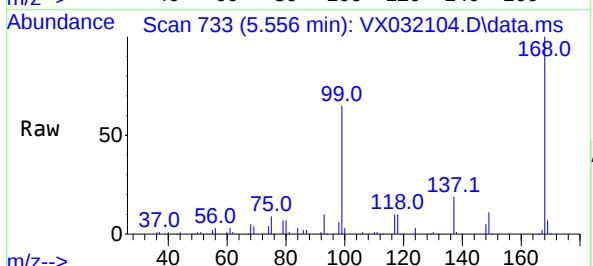
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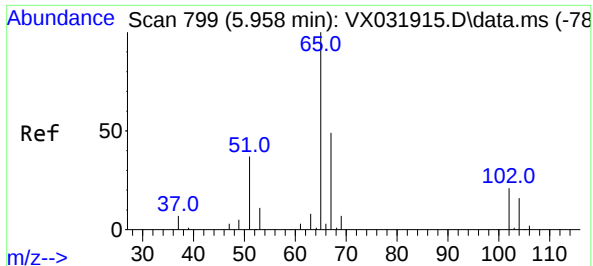
Tgt Ion: 43 Resp: 303  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.1 31.7#



#31  
Cyclohexane  
Concen: 0.997 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 56 Resp: 2157  
Ion Ratio Lower Upper  
56 100  
69 141.3 25.1 37.7#  
84 92.3 70.2 105.4

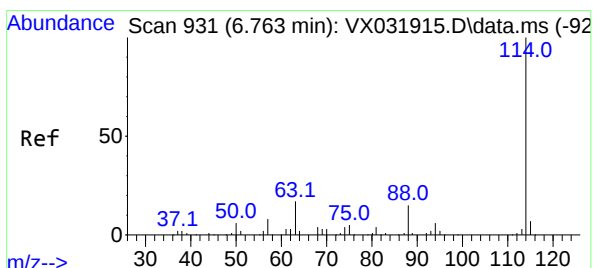
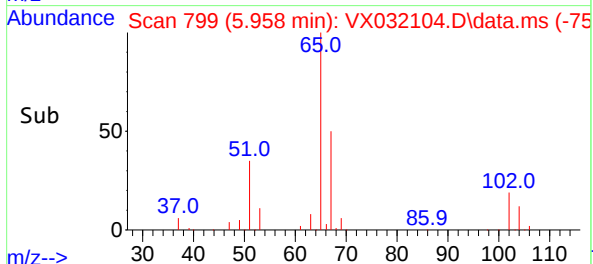
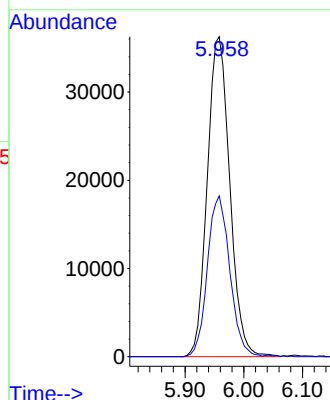
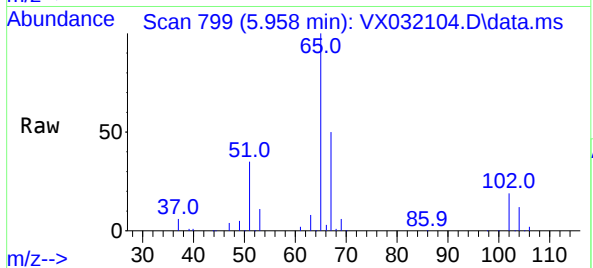




#33  
1,2-Dichloroethane-d4  
Concen: 53.305 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

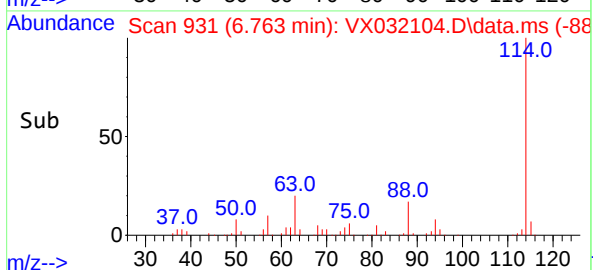
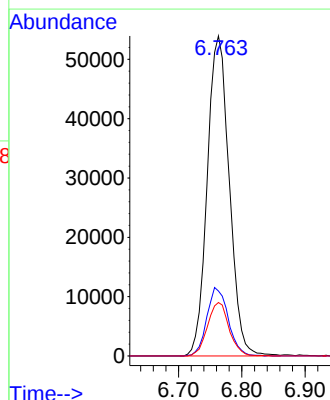
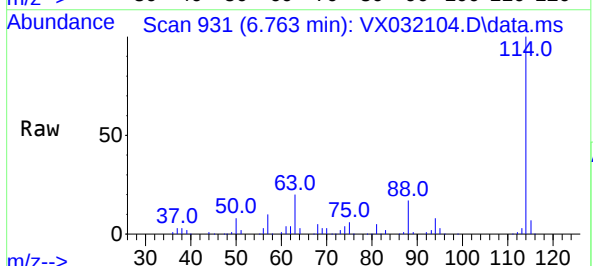
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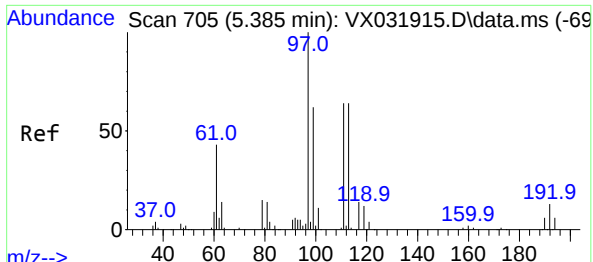
Tgt Ion: 65 Resp: 96543  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 102.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 114 Resp: 130546  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.6  
88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.579 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032104.D

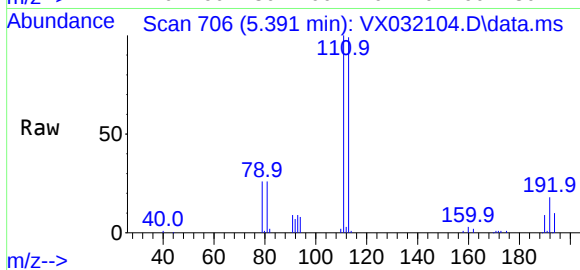
Acq: 13 Oct 2022 12:36

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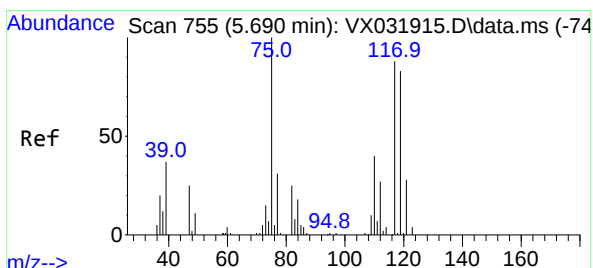
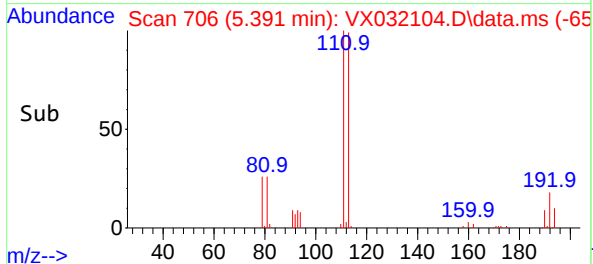
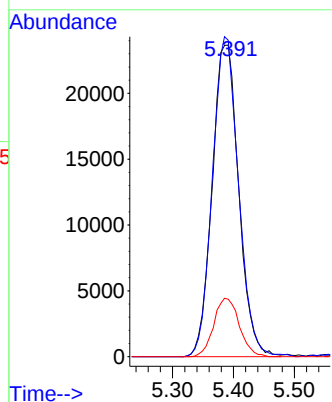
Tgt Ion:113 Resp: 71785

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

192 18.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.988 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX032104.D

Acq: 13 Oct 2022 12:36

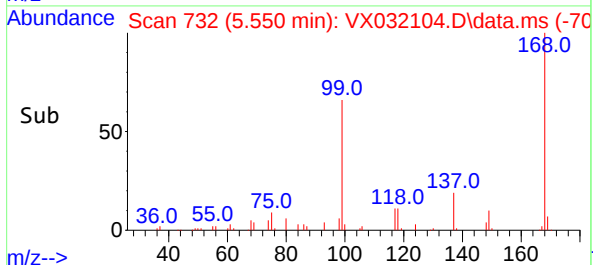
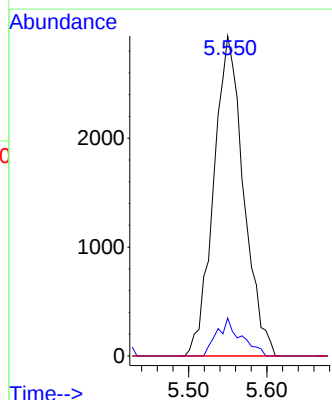
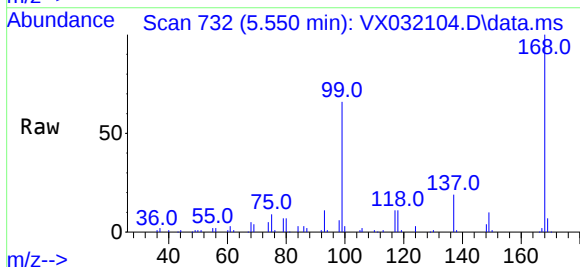
Tgt Ion: 75 Resp: 7815

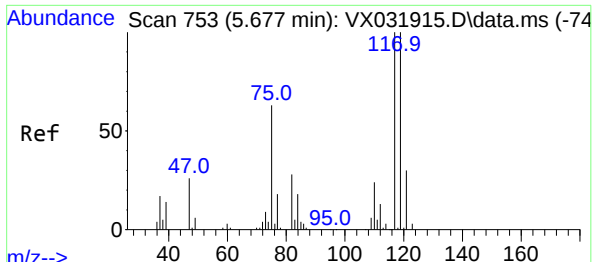
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.9 37.3#

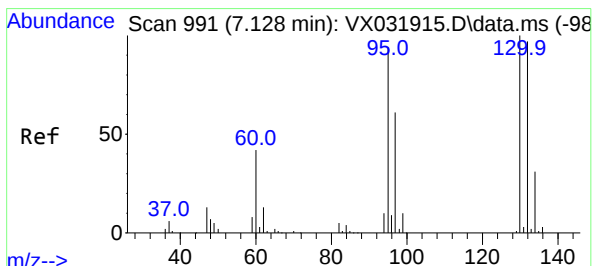
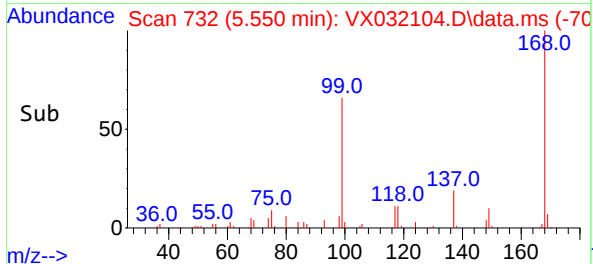
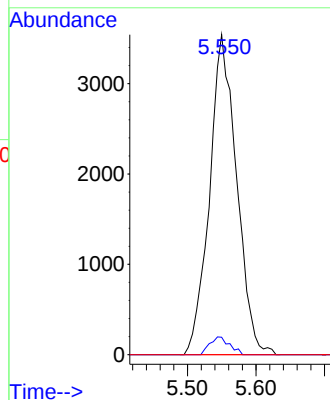
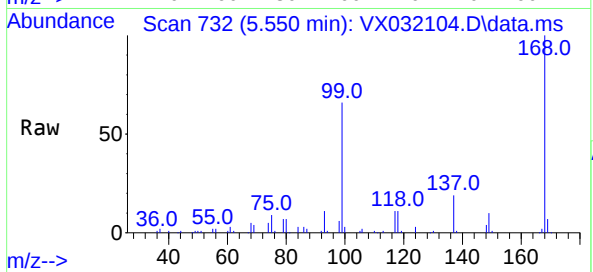




#38  
Carbon Tetrachloride  
Concen: 4.858 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

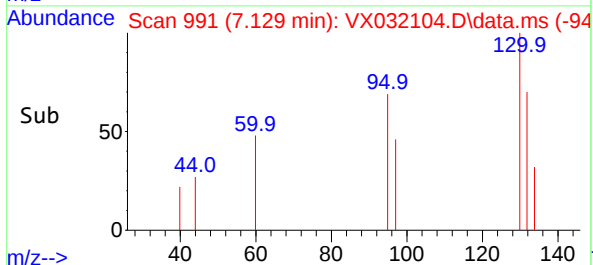
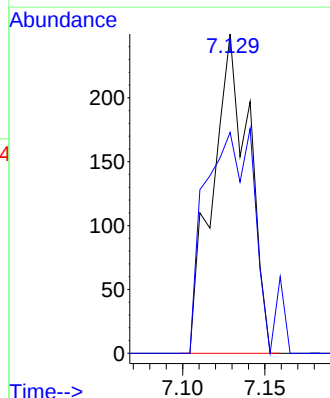
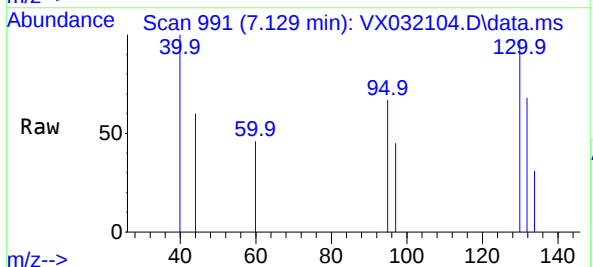
Instrument : MSVOA\_X  
ClientSampleId : GWOW-BR-01-340-360-101222

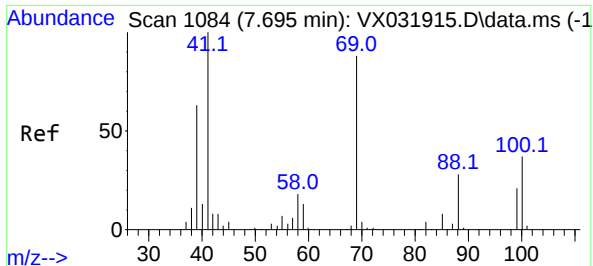
Tgt Ion:117 Resp: 9733  
Ion Ratio Lower Upper  
117 100  
119 5.5 74.6 112.0#  
121 0.0 25.3 37.9#



#44  
Trichloroethene  
Concen: 0.229 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.001 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion:130 Resp: 386  
Ion Ratio Lower Upper  
130 100  
95 69.2 0.0 206.8

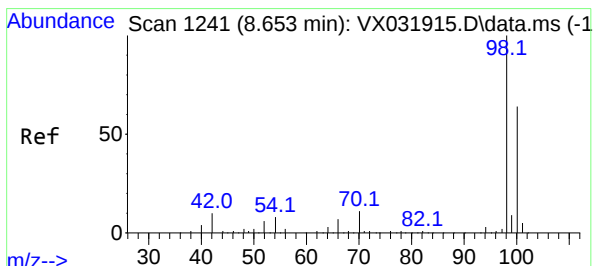
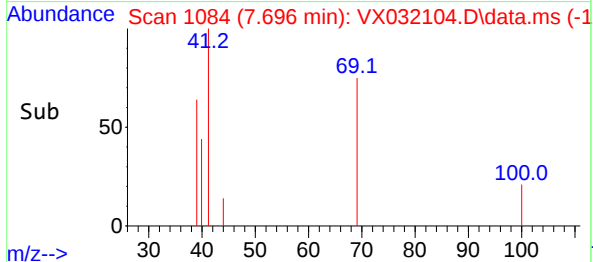
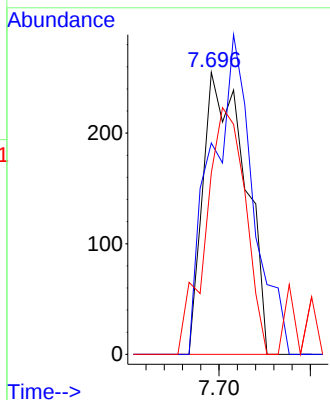
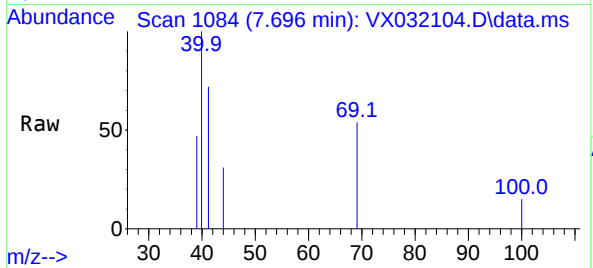




#48  
Methyl methacrylate  
Concen: 0.303 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.001 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

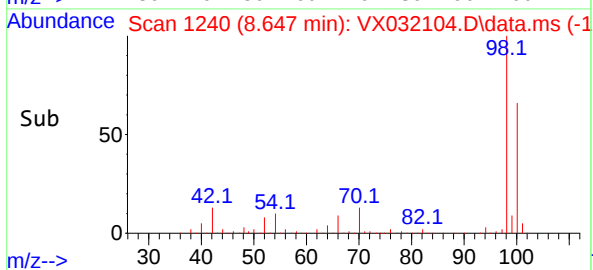
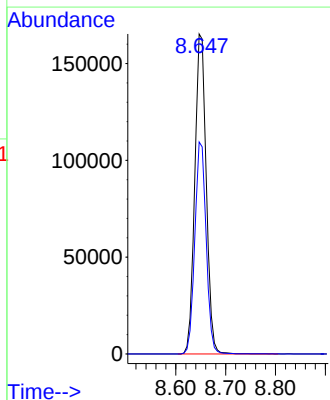
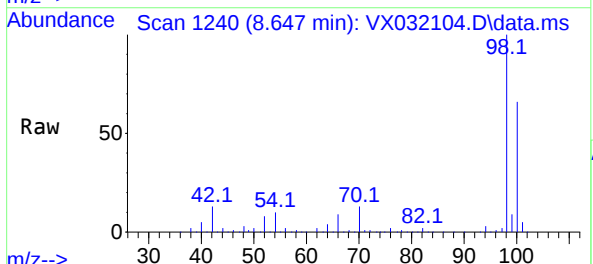
Instrument :  
MSVOA\_X  
ClientSampleId :  
GWOW-BR-01-340-360-101222

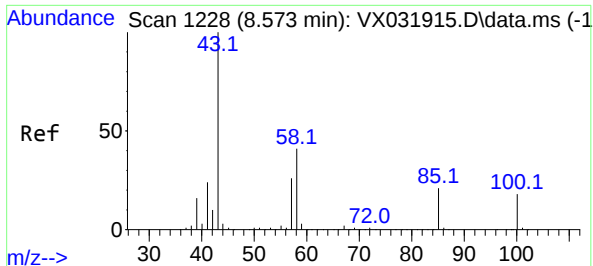
Tgt Ion: 41 Resp: 405  
Ion Ratio Lower Upper  
41 100  
69 113.6 64.6 96.8#  
39 83.0 51.4 77.0#



#50  
Toluene-d8  
Concen: 49.576 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 98 Resp: 263610  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.693 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX032104.D

Acq: 13 Oct 2022 12:36

Instrument :

MSVOA\_X

ClientSampleId :

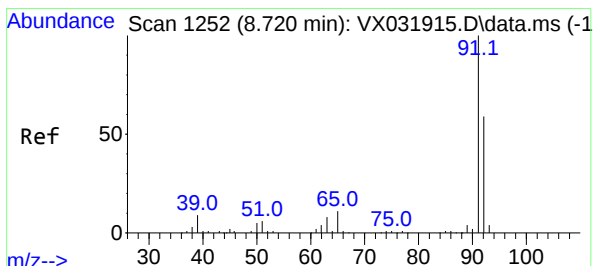
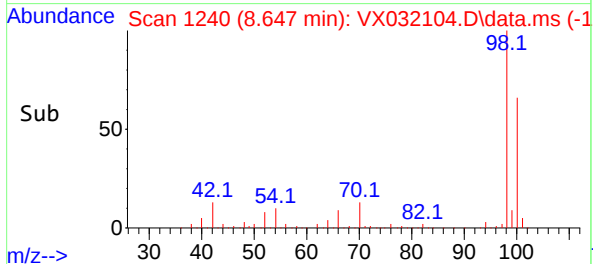
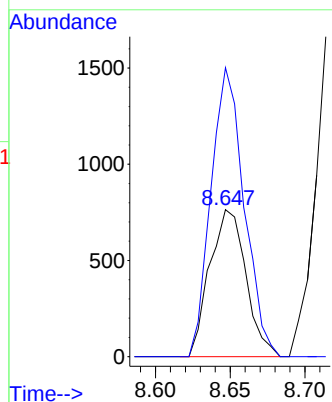
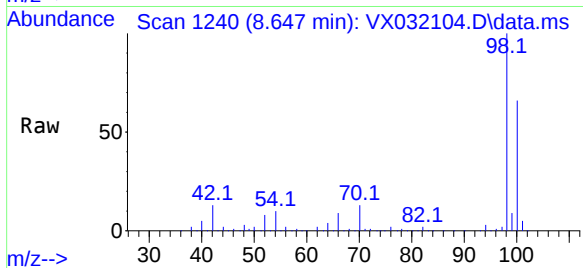
GWOW-BR-01-340-360-101222

Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 180.2 30.6 46.0#



#52

Toluene

Concen: 70.885 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032104.D

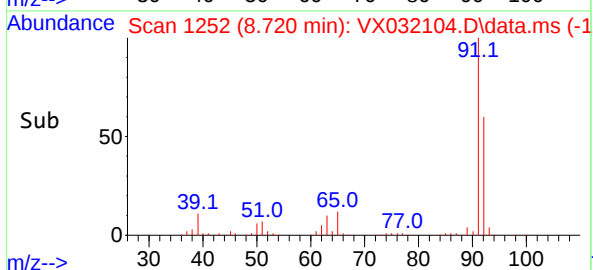
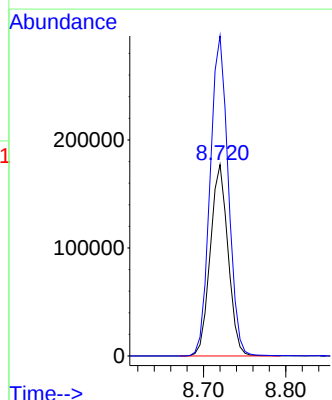
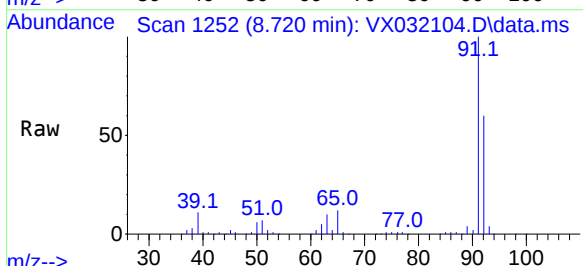
Acq: 13 Oct 2022 12:36

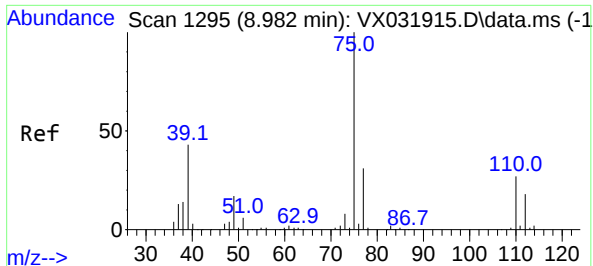
Tgt Ion: 92 Resp: 265934

Ion Ratio Lower Upper

92 100

91 171.0 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 2.937 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.268 min

Lab File: VX032104.D

Acq: 13 Oct 2022 12:36

Instrument :

MSVOA\_X

ClientSampleId :

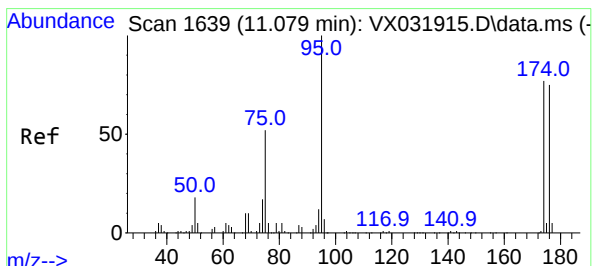
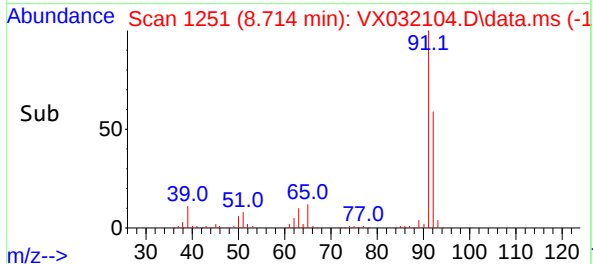
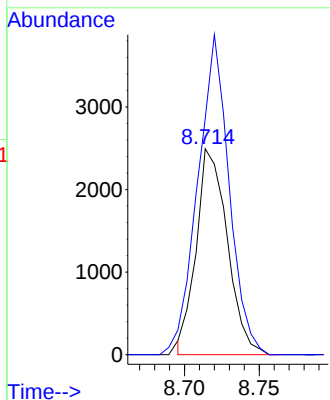
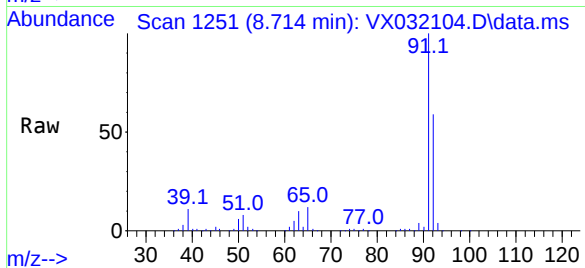
GWOW-BR-01-340-360-101222

Tgt Ion: 75 Resp: 3601

Ion Ratio Lower Upper

75 100

77 114.7 24.8 37.2#



#62

4-Bromofluorobenzene

Concen: 49.500 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032104.D

Acq: 13 Oct 2022 12:36

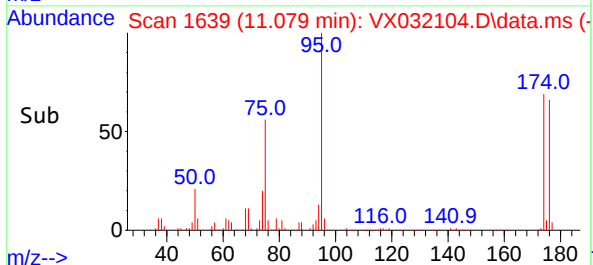
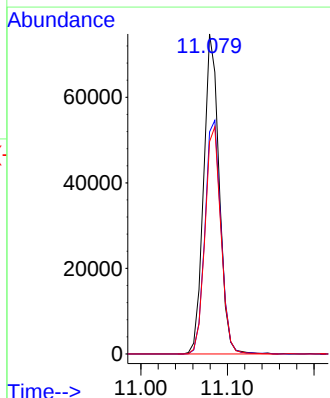
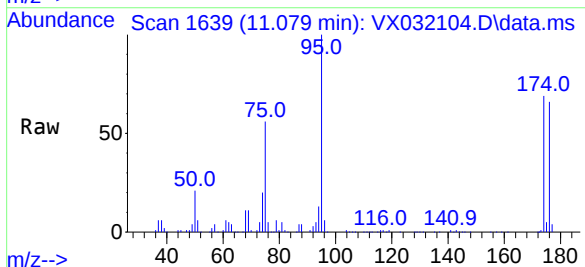
Tgt Ion: 95 Resp: 93051

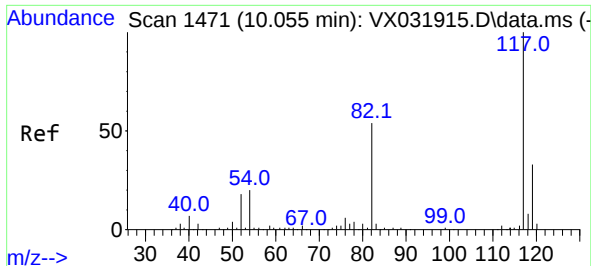
Ion Ratio Lower Upper

95 100

174 75.2 0.0 153.2

176 72.7 0.0 144.0

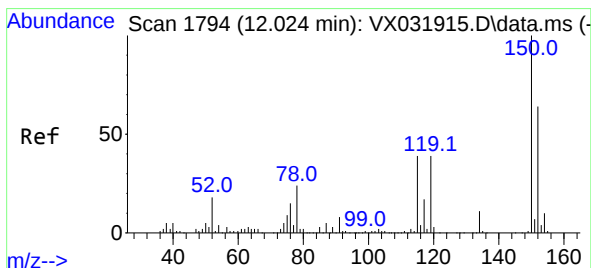
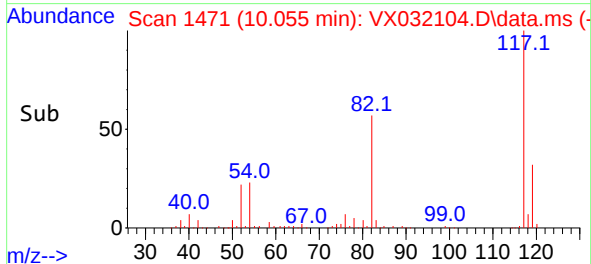
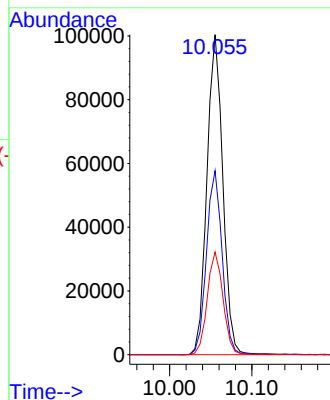
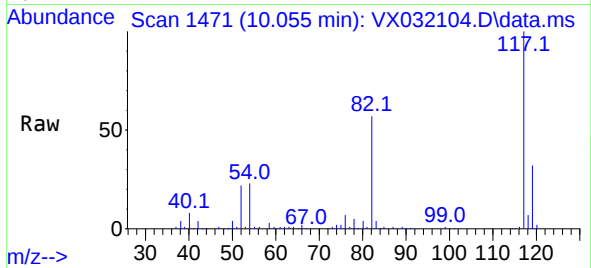




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

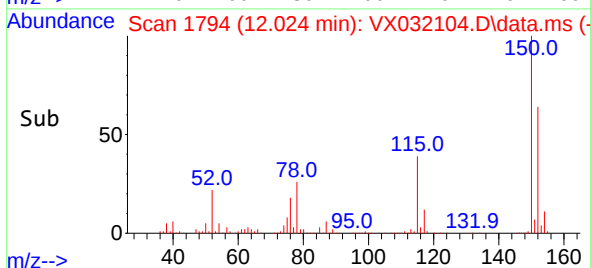
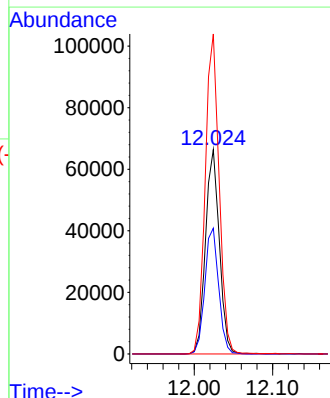
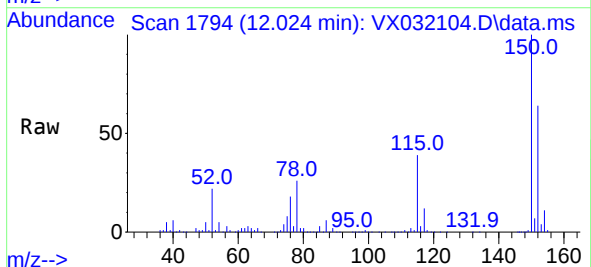
Instrument :  
MSVOA\_X  
ClientSampleId :  
GWOW-BR-01-340-360-101222

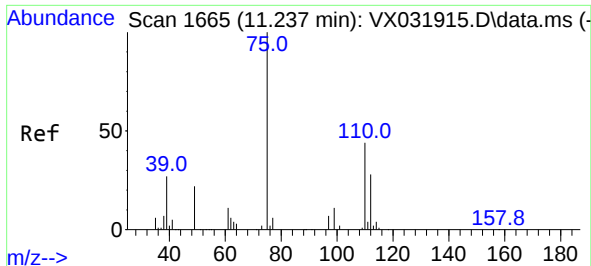
Tgt Ion:117 Resp: 134842  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.8 70.2  
119 32.1 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion:152 Resp: 81383  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.4 130.1  
150 156.6 0.0 346.8

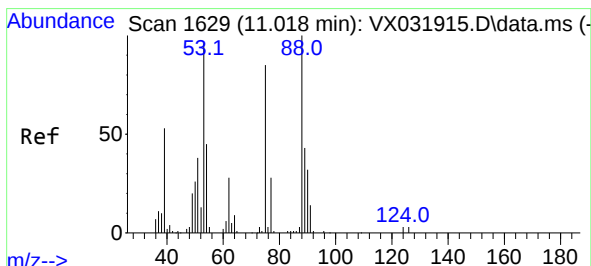
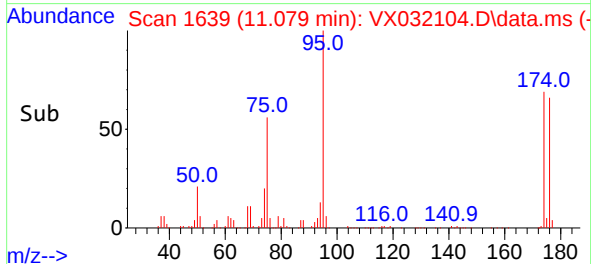
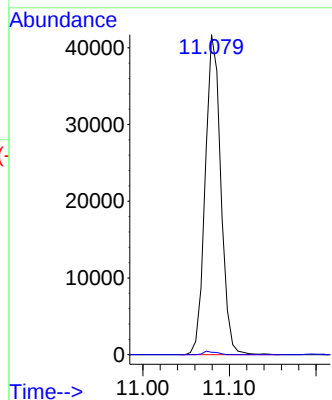
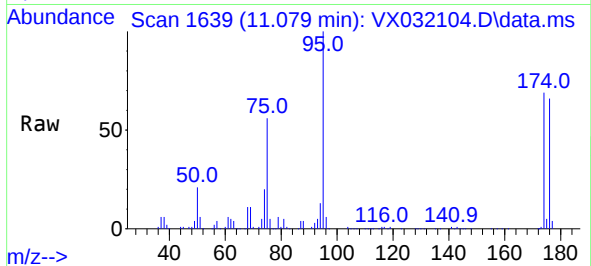




#76  
1,2,3-Trichloropropane  
Concen: 31.258 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

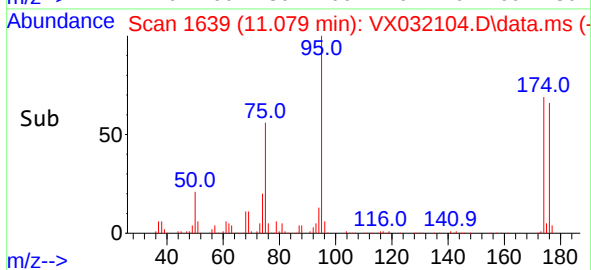
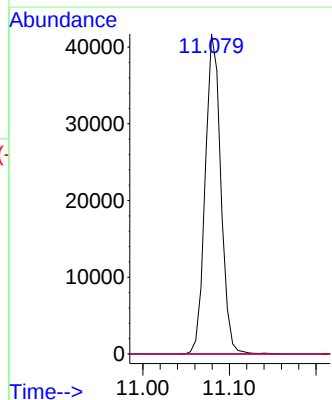
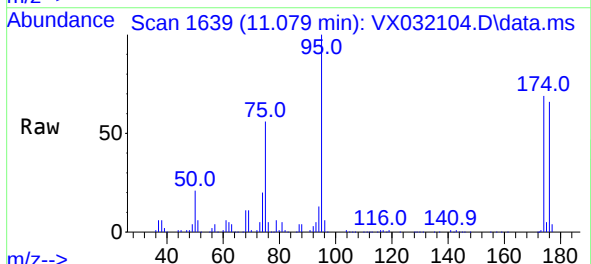
Instrument :  
MSVOA\_X  
ClientSampleId :  
GWOW-BR-01-340-360-101222

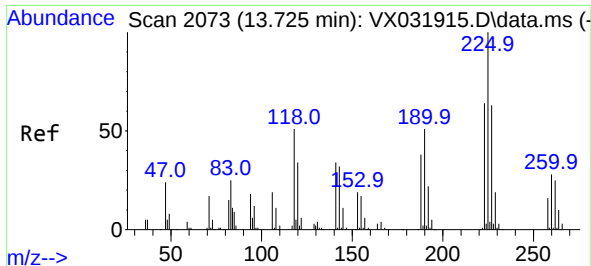
Tgt Ion: 75 Resp: 52136  
Ion Ratio Lower Upper  
75 100  
77 0.9 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.539 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion: 75 Resp: 52136  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

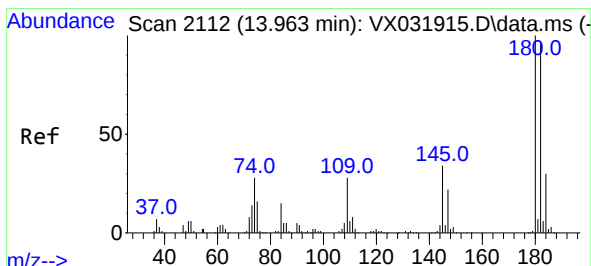
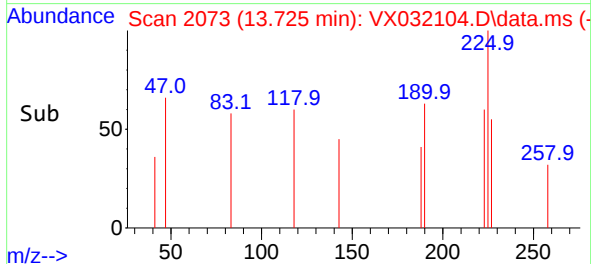
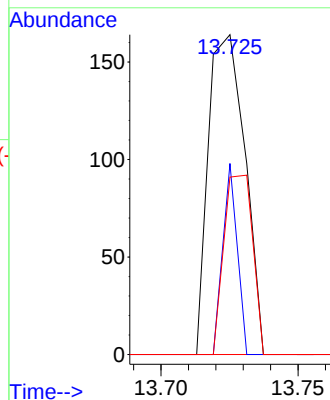
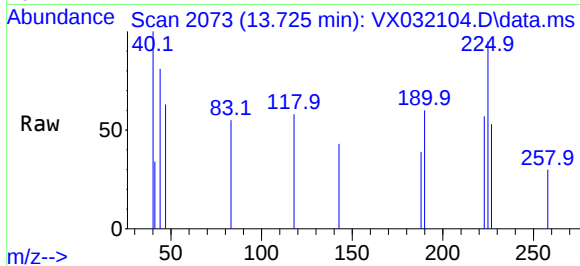




#94  
Hexachlorobutadiene  
Concen: 0.216 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
GWOW-BR-01-340-360-101222

Tgt Ion:225 Resp: 152  
Ion Ratio Lower Upper  
225 100  
223 23.7 30.8 92.4#  
227 44.1 32.3 96.9



#96  
1,2,3-Trichlorobenzene  
Concen: 0.210 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX032104.D  
Acq: 13 Oct 2022 12:36

Tgt Ion:180 Resp: 370  
Ion Ratio Lower Upper  
180 100  
182 61.1 47.9 143.8  
145 26.5 17.6 52.8

