

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091622\  
 Data File : VN074507.D  
 Acq On : 16 Sep 2022 13:56  
 Operator : JC\MD  
 Sample : N4626-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW5-GW-338-340RE

Quant Time: Sep 16 16:15:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 2022  
 Response via : Initial Calibration

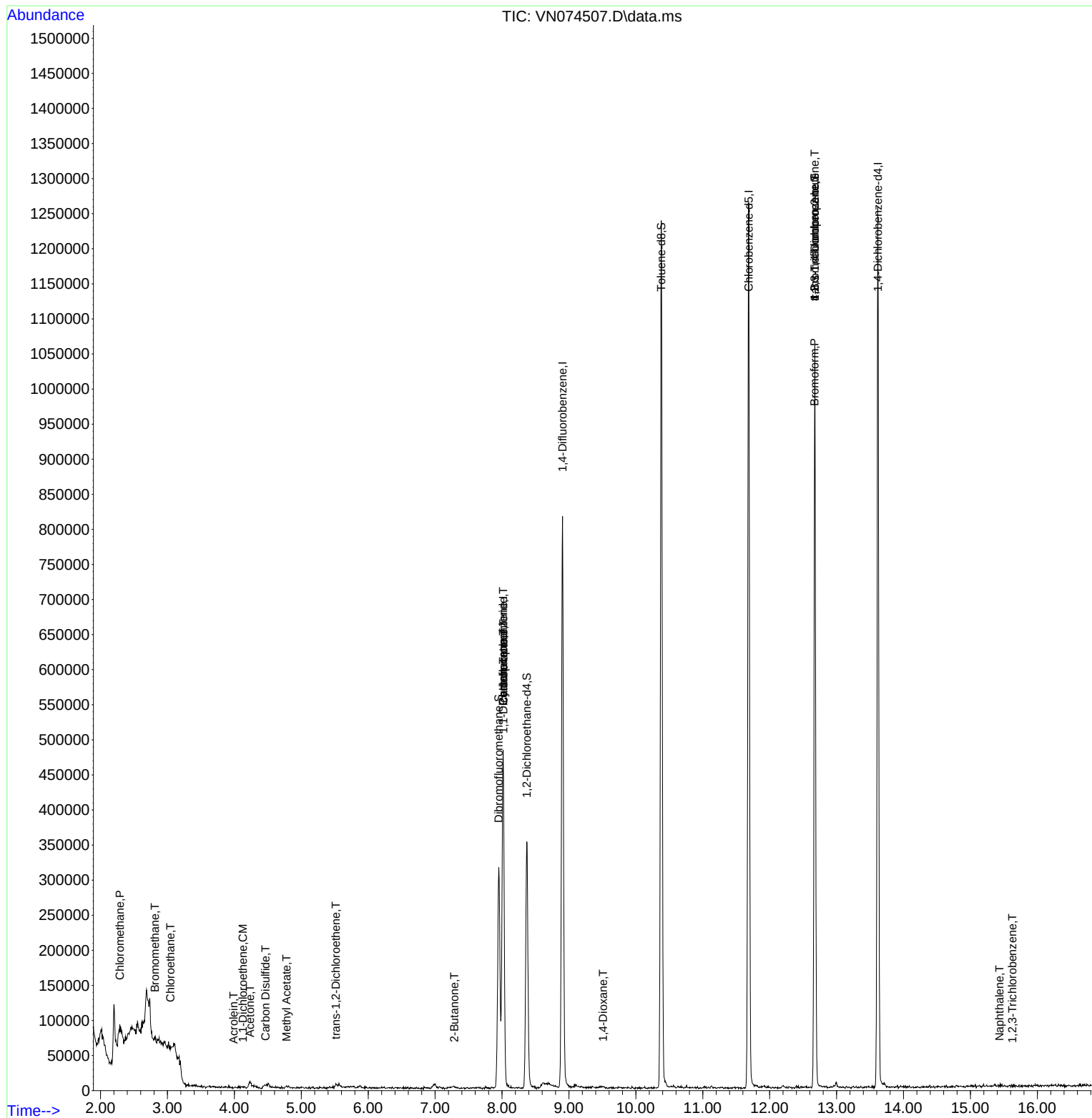
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 336769   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 661845   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 650717   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616 | 152   | 290947   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 270906   | 47.410   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 94.820%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 226042   | 51.414   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 102.820% |
| 50) Toluene-d8                | 10.381 | 98    | 813824   | 47.864   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 95.720%  |
| 62) 4-Bromofluorobenzene      | 12.675 | 95    | 318706   | 54.728   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 109.460% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.287  | 50    | 3471     | 0.819    | ug/l # | 43       |
| 5) Bromomethane               | 2.810  | 94    | 1634     | 0.470    | ug/l # | 40       |
| 6) Chloroethane               | 3.046  | 64    | 2980     | 0.661    | ug/l # | 63       |
| 12) 1,1-Dichloroethene        | 4.128  | 96    | 364      | 0.765    | ug/l # | 1        |
| 13) Acrolein                  | 3.987  | 56    | 521      | 0.766    | ug/l # | 61       |
| 16) Acetone                   | 4.234  | 43    | 13540    | 3.703    | ug/l # | 87       |
| 17) Carbon Disulfide          | 4.463  | 76    | 6739     | 0.554    | ug/l # | 91       |
| 18) Methyl Acetate            | 4.781  | 43    | 4672     | 0.411    | ug/l # | 75       |
| 21) trans-1,2-Dichloroethene  | 5.516  | 96    | 663      | 0.564    | ug/l # | 1        |
| 25) 2-Butanone                | 7.287  | 43    | 6094     | 1.004    | ug/l # | 45       |
| 31) Cyclohexane               | 8.016  | 56    | 11315    | 1.116    | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 8.022  | 75    | 33425    | 4.295    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 37998    | 5.289    | ug/l # | 18       |
| 49) 1,4-Dioxane               | 9.510  | 88    | 951      | 5.926    | ug/l # | 68       |
| 71) Bromoform                 | 12.669 | 173   | 2084     | 0.478    | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.675 | 75    | 193200   | 21.573   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.675 | 75    | 193200   | 46.562   | ug/l # | 10       |
| 95) Naphthalene               | 15.433 | 128   | 1393     | 1.643    | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180   | 224      | 1.373    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

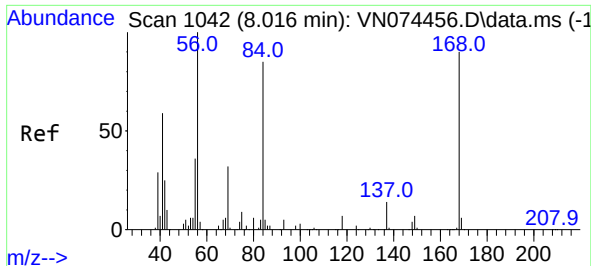
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Sep 15 19:20:33 2022  
Response via : Initial Calibration

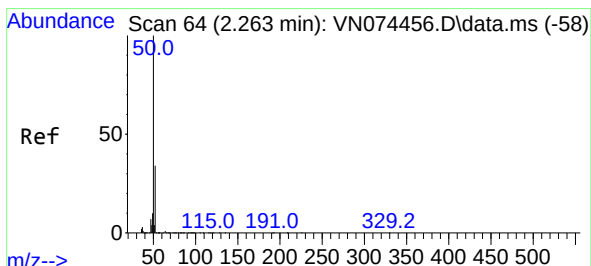
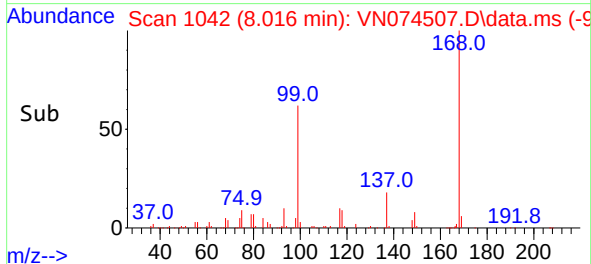
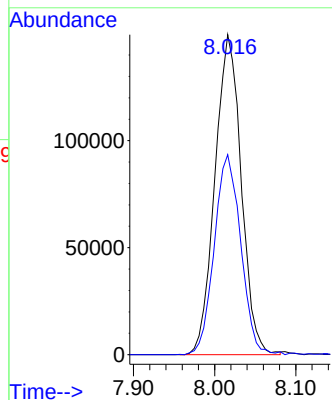
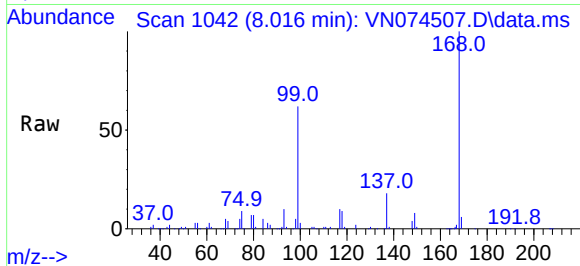




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

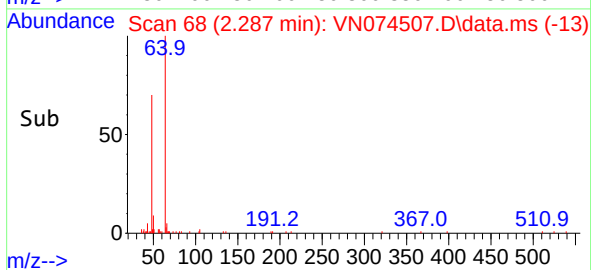
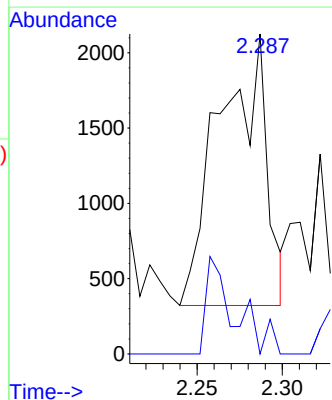
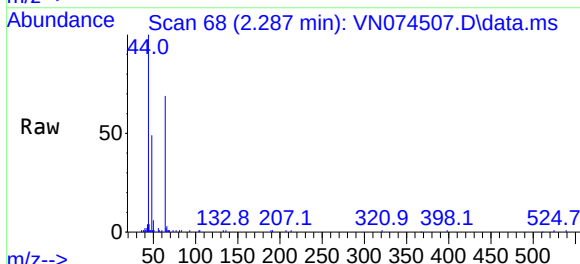
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

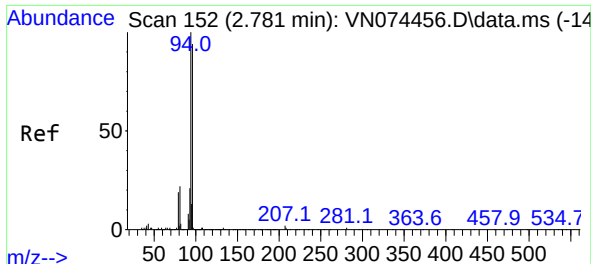
Tgt Ion:168 Resp: 336769  
Ion Ratio Lower Upper  
168 100  
99 62.4 42.3 63.5



#3  
Chloromethane  
Concen: 0.819 ug/l  
RT: 2.287 min Scan# 68  
Delta R.T. 0.024 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 50 Resp: 3471  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

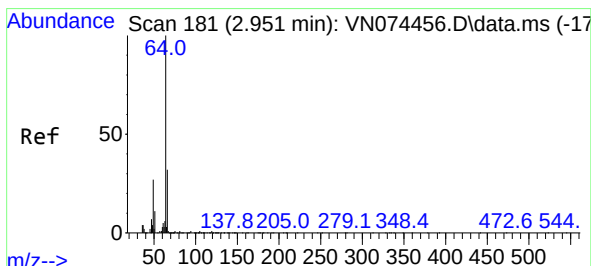
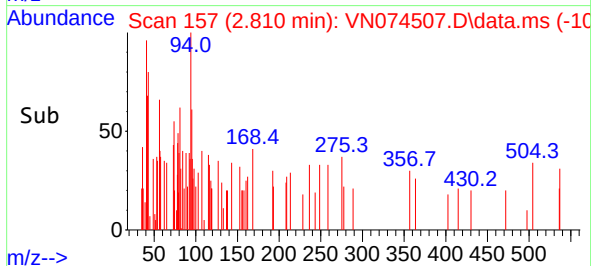
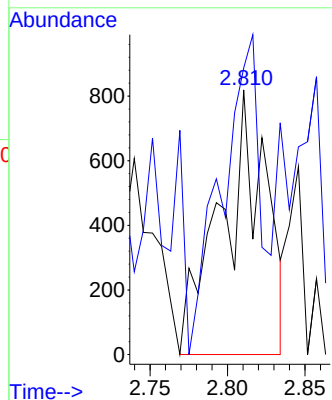
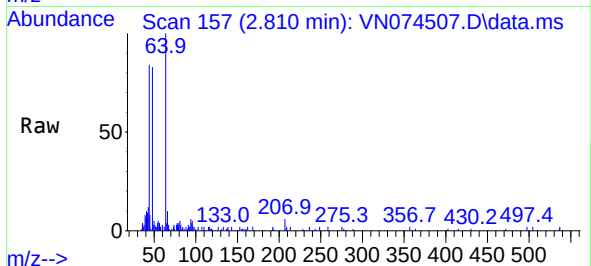




#5  
Bromomethane  
Concen: 0.470 ug/l  
RT: 2.810 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

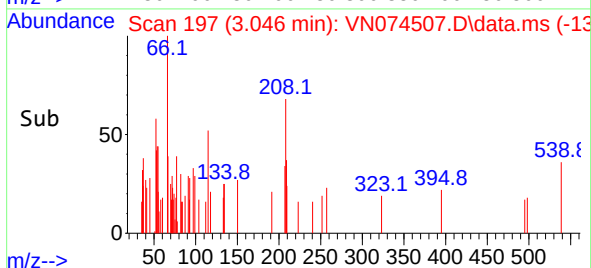
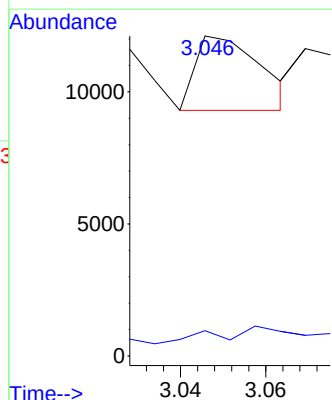
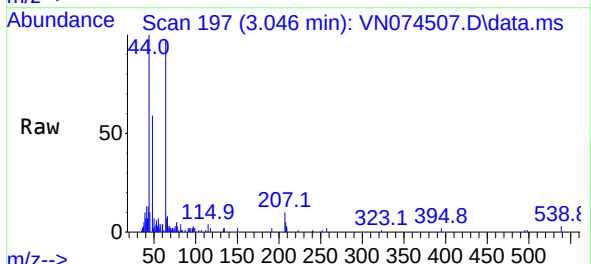
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

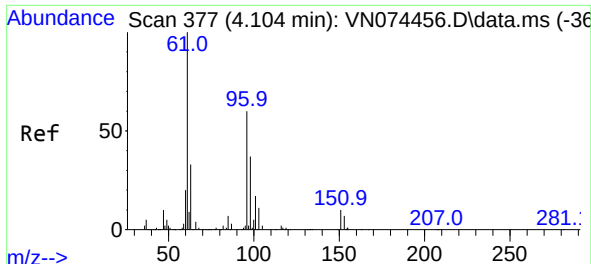
Tgt Ion: 94 Resp: 1634  
Ion Ratio Lower Upper  
94 100  
96 36.6 76.0 114.0#



#6  
Chloroethane  
Concen: 0.661 ug/l  
RT: 3.046 min Scan# 197  
Delta R.T. 0.095 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 64 Resp: 2980  
Ion Ratio Lower Upper  
64 100  
66 11.8 26.2 39.4#

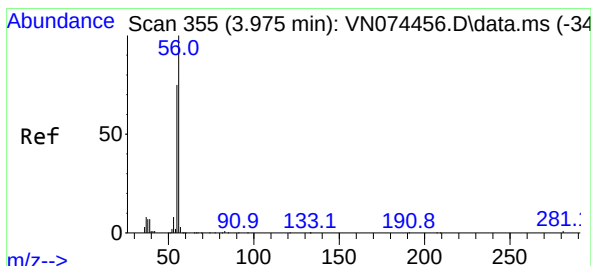
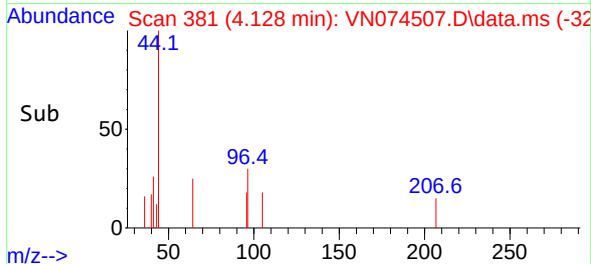
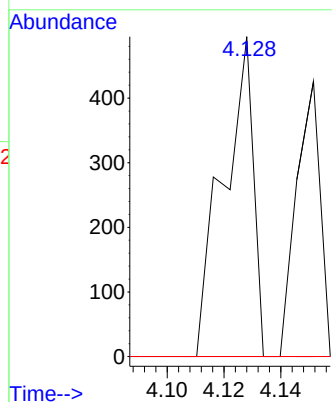
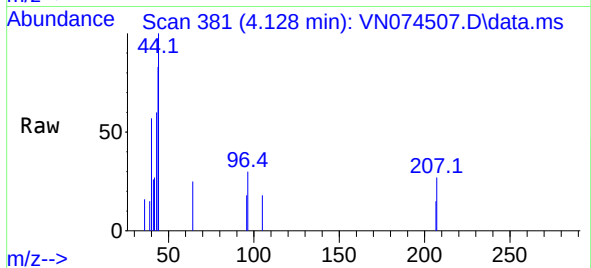




#12  
1,1-Dichloroethene  
Concen: 0.765 ug/l  
RT: 4.128 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

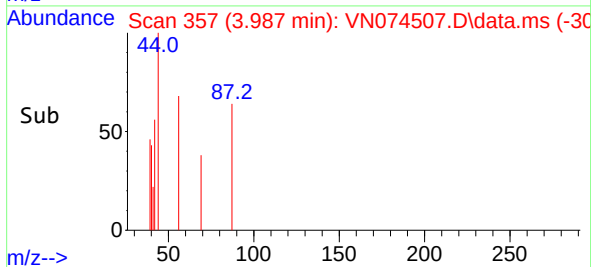
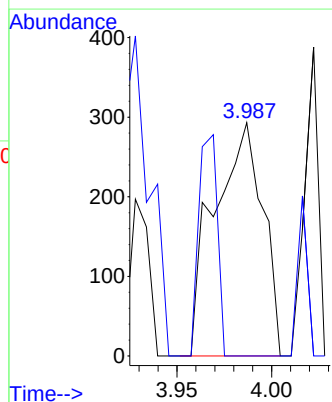
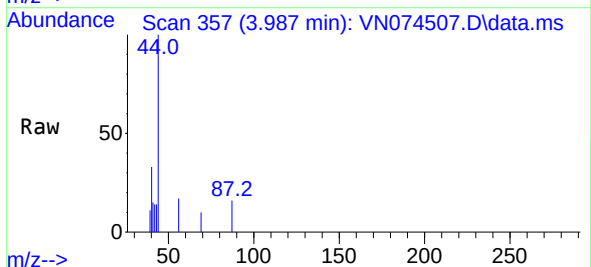
Instrument :  
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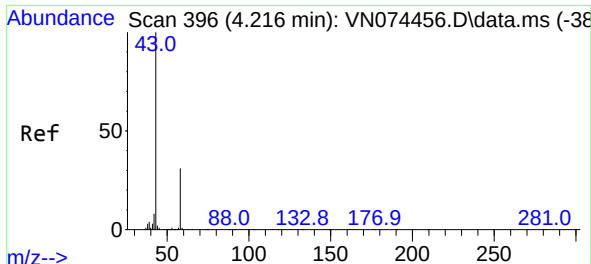
Tgt Ion: 96 Resp: 364  
Ion Ratio Lower Upper  
96 100  
61 0.0 127.6 191.4#  
98 0.0 51.2 76.8#



#13  
Acrolein  
Concen: 0.766 ug/l  
RT: 3.987 min Scan# 357  
Delta R.T. 0.012 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 56 Resp: 521  
Ion Ratio Lower Upper  
56 100  
55 36.7 54.8 82.2#

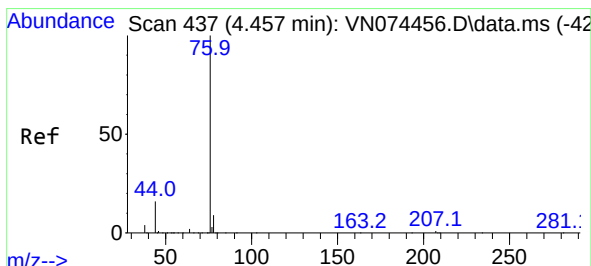
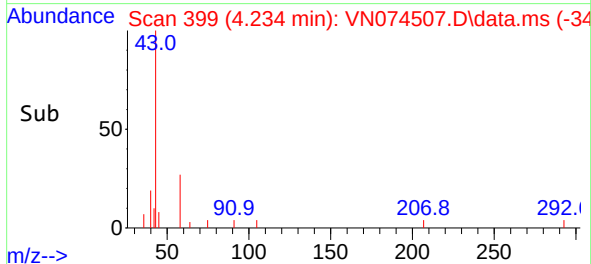
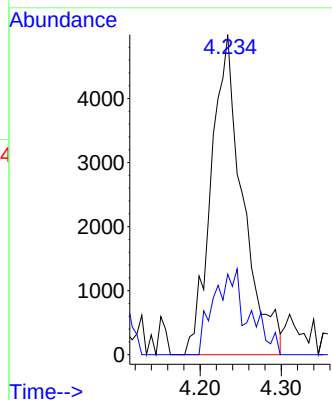
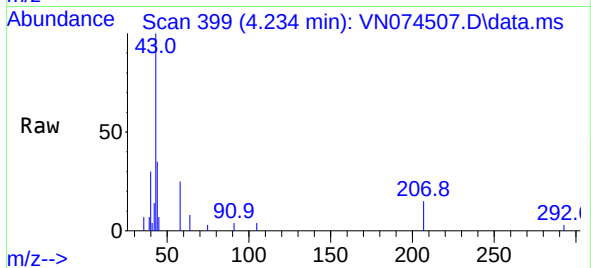




#16  
Acetone  
Concen: 3.703 ug/l  
RT: 4.234 min Scan# 399  
Delta R.T. 0.018 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

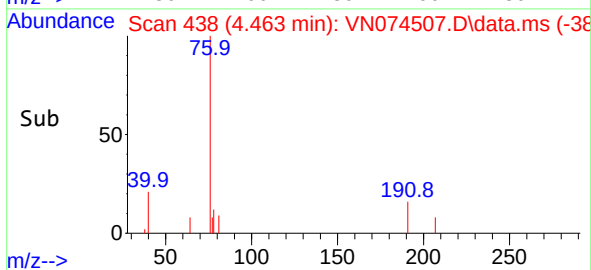
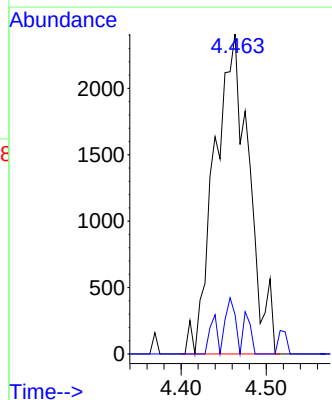
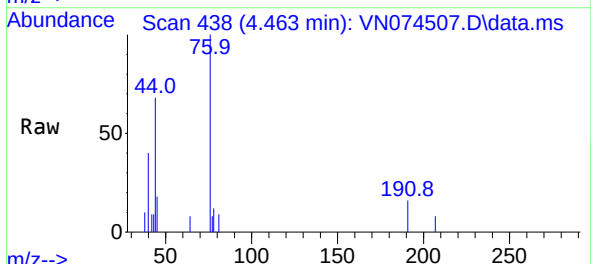
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

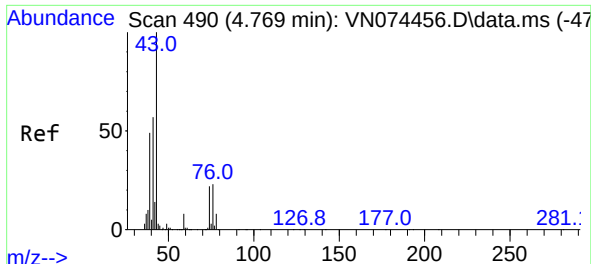
Tgt Ion: 43 Resp: 13540  
Ion Ratio Lower Upper  
43 100  
58 25.1 26.0 39.0#



#17  
Carbon Disulfide  
Concen: 0.554 ug/l  
RT: 4.463 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 76 Resp: 6739  
Ion Ratio Lower Upper  
76 100  
78 12.3 7.2 10.8#

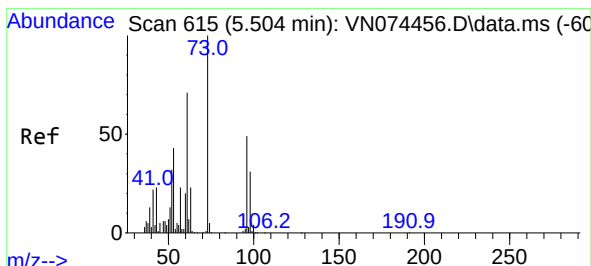
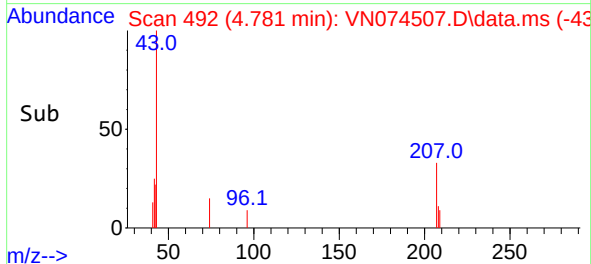
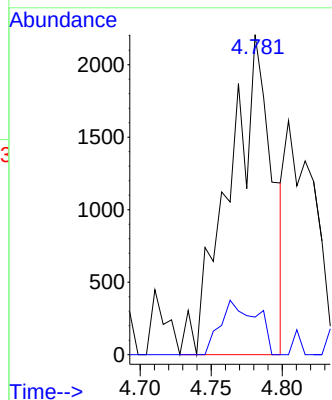
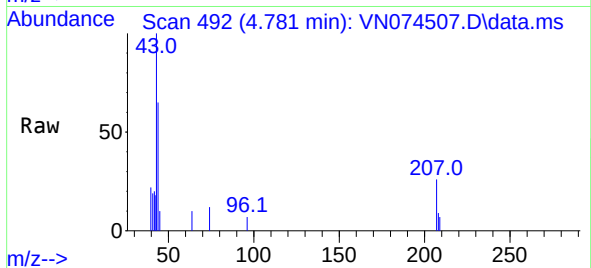




#18  
Methyl Acetate  
Concen: 0.411 ug/l  
RT: 4.781 min Scan# 491  
Delta R.T. 0.012 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

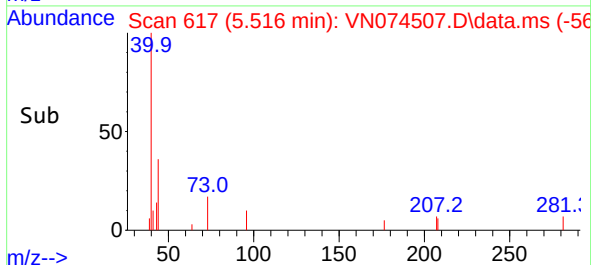
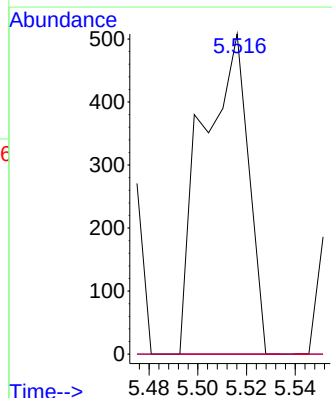
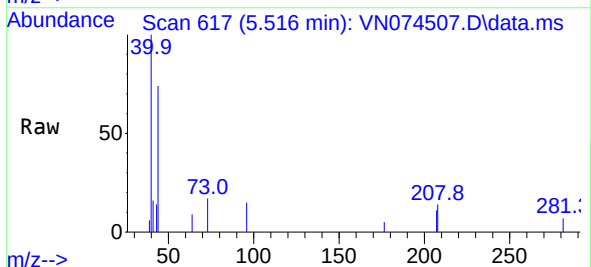
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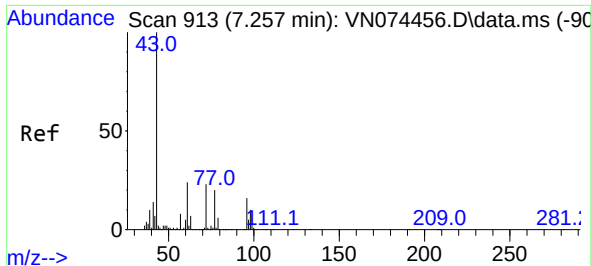
Tgt Ion: 43 Resp: 4672  
Ion Ratio Lower Upper  
43 100  
74 14.2 21.6 32.4#



#21  
trans-1,2-Dichloroethene  
Concen: 0.564 ug/l  
RT: 5.516 min Scan# 617  
Delta R.T. 0.012 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 96 Resp: 663  
Ion Ratio Lower Upper  
96 100  
61 0.0 105.8 158.8#  
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 1.004 ug/l

RT: 7.287 min Scan# 91

Delta R.T. 0.030 min

Lab File: VN074507.D

Acq: 16 Sep 2022 13:56

Instrument :

MSVOA\_N

ClientSampleId :

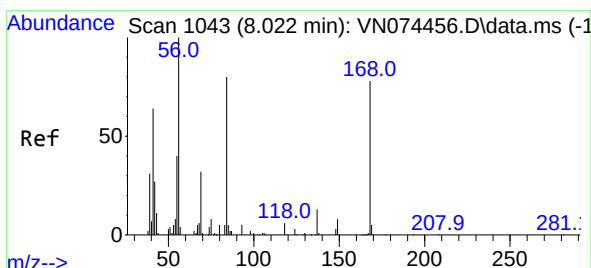
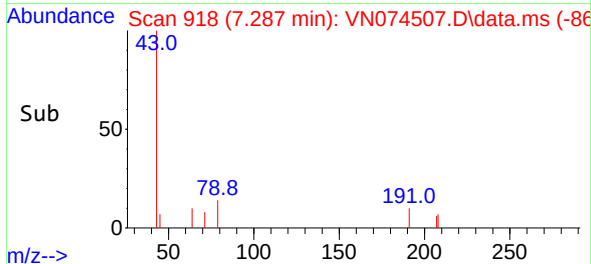
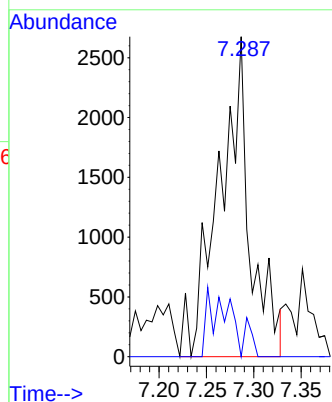
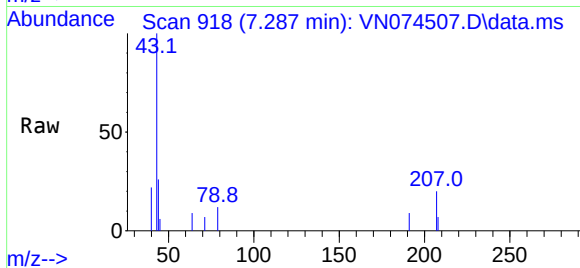
BP-VPB-RW5-GW-338-340RE

Tgt Ion: 43 Resp: 6094

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074507.D

Acq: 16 Sep 2022 13:56

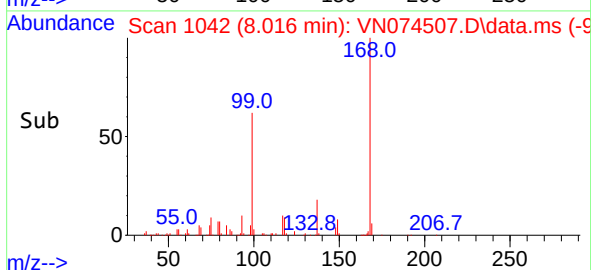
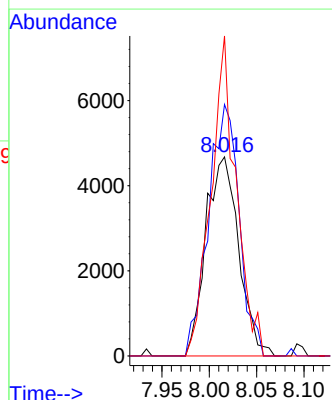
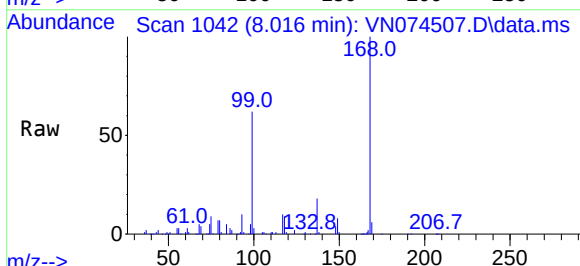
Tgt Ion: 56 Resp: 11315

Ion Ratio Lower Upper

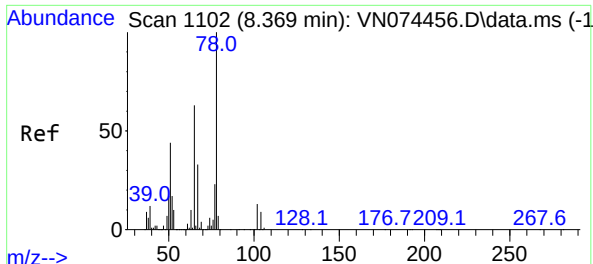
56 100

69 126.3 27.8 41.8#

84 160.8 76.9 115.3#



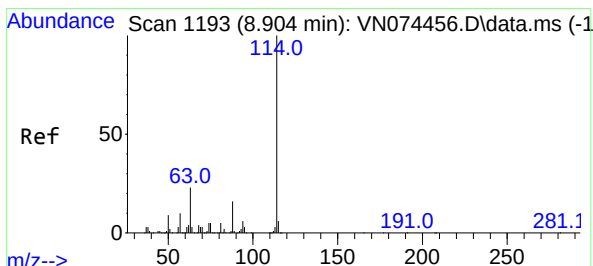
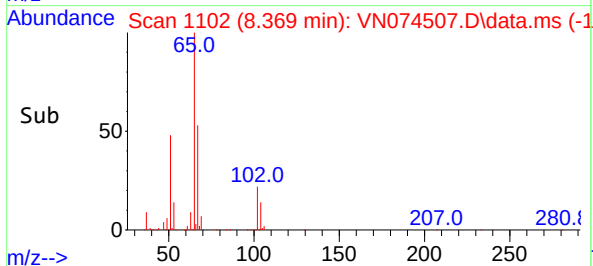
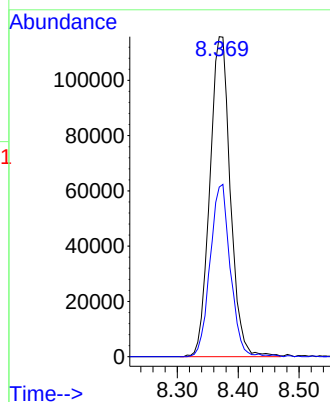
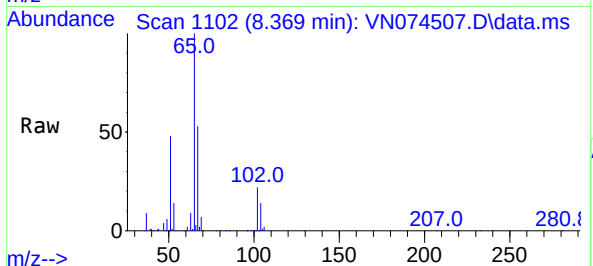




#33  
1,2-Dichloroethane-d4  
Concen: 47.410 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

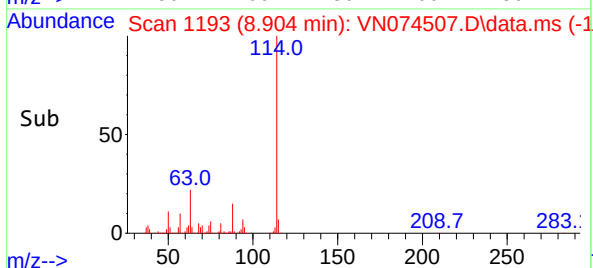
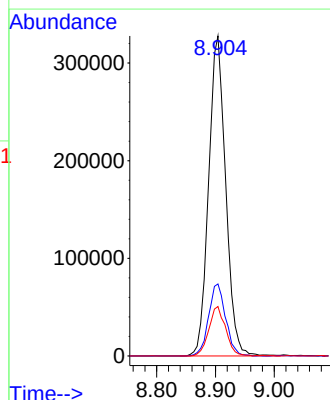
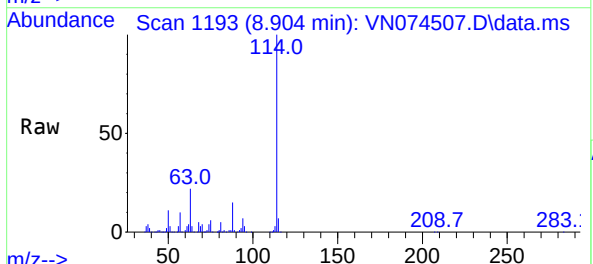
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

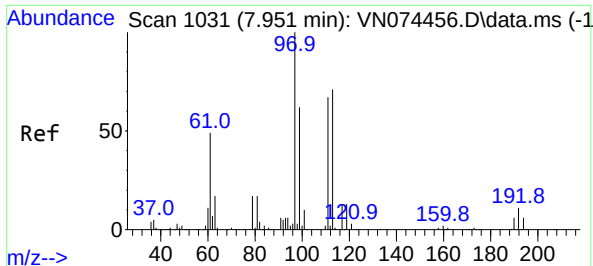
Tgt Ion: 65 Resp: 270906  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion:114 Resp: 661845  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 40.0  
88 15.5 0.0 32.6

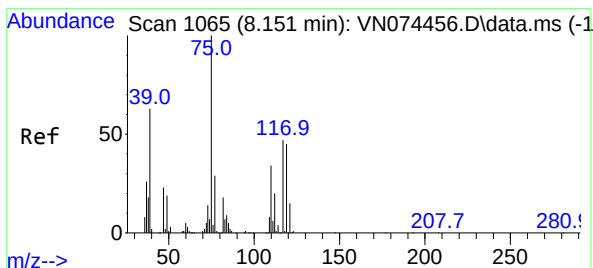
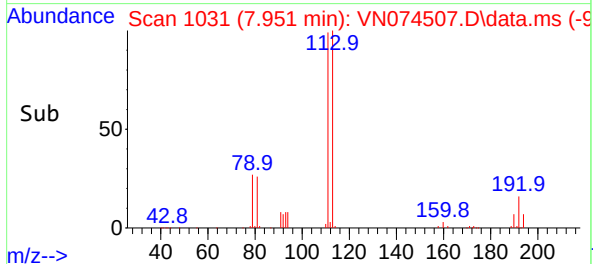
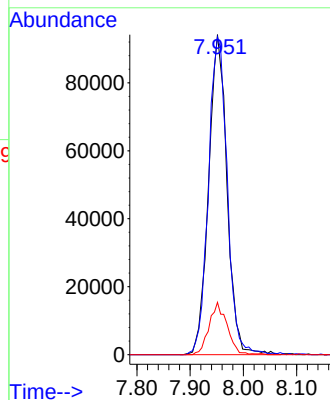
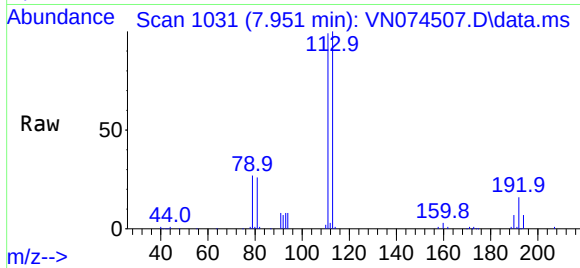




#35  
Dibromofluoromethane  
Concen: 51.414 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

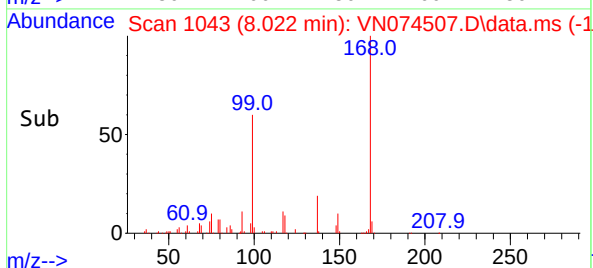
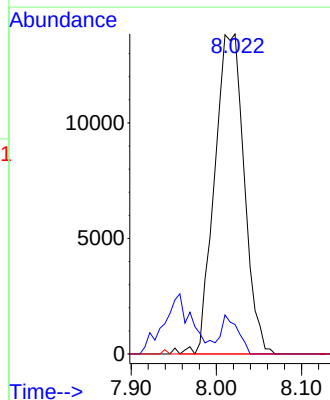
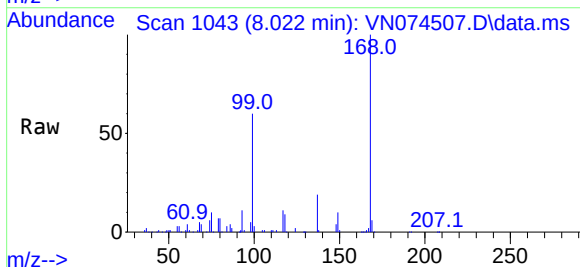
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

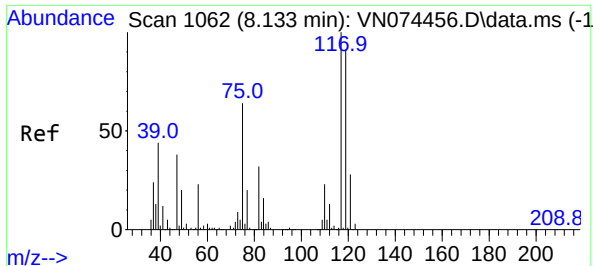
Tgt Ion:113 Resp: 226042  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.4 122.0  
192 15.9 17.0 25.6#



#36  
1,1-Dichloropropene  
Concen: 4.295 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.129 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 75 Resp: 33425  
Ion Ratio Lower Upper  
75 100  
110 6.8 18.3 54.8#  
77 0.0 25.1 37.7#

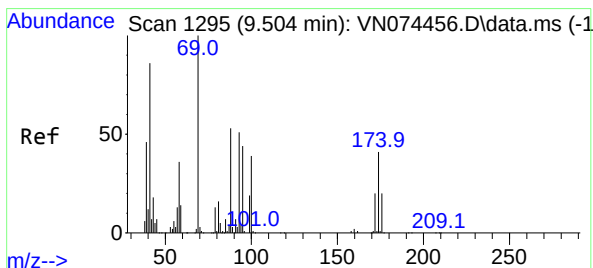
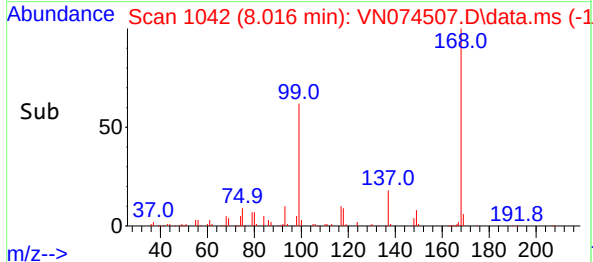
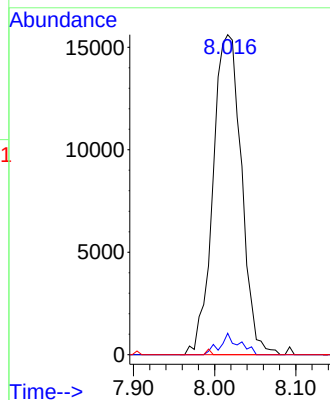
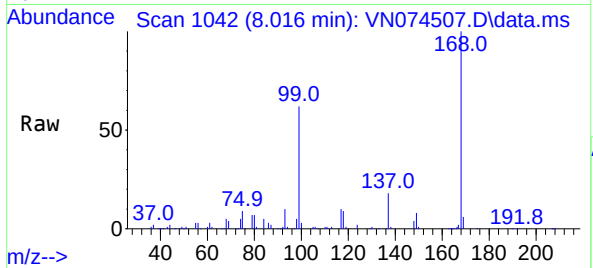




#38  
Carbon Tetrachloride  
Concen: 5.289 ug/l  
RT: 8.016 min Scan# 117  
Delta R.T. -0.117 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

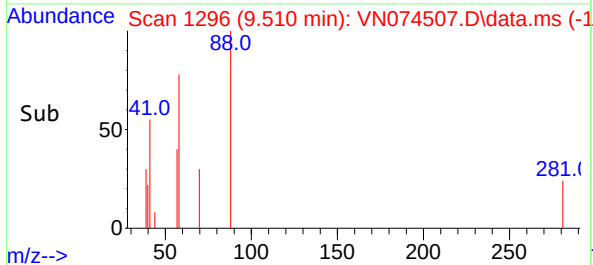
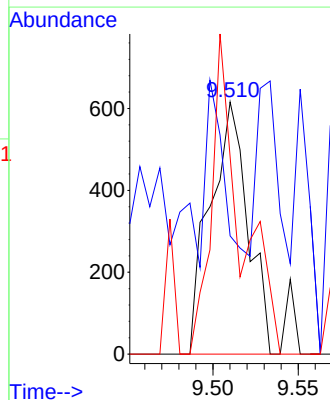
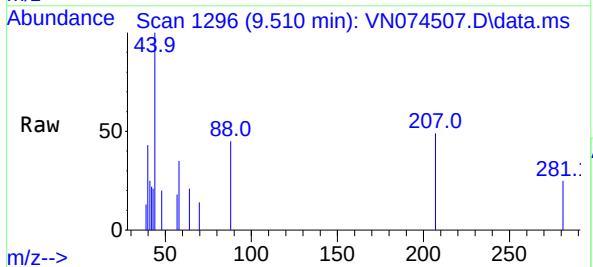
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

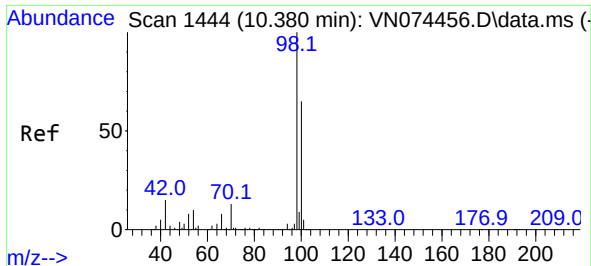
Tgt Ion:117 Resp: 37998  
Ion Ratio Lower Upper  
117 100  
119 6.7 75.8 113.8#  
121 0.0 24.6 37.0#



#49  
1,4-Dioxane  
Concen: 5.926 ug/l  
RT: 9.510 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 88 Resp: 951  
Ion Ratio Lower Upper  
88 100  
43 35.8 20.2 30.4#  
58 97.5 54.2 81.4#

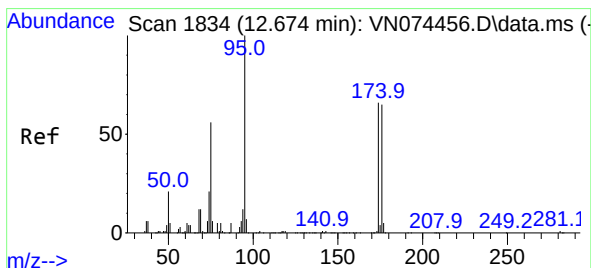
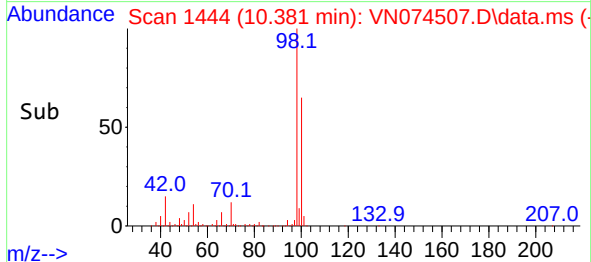
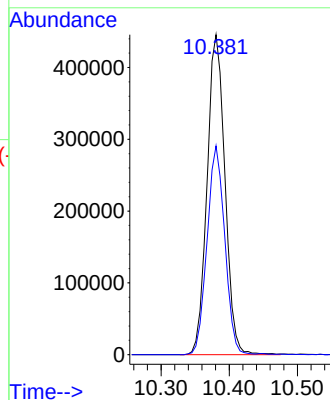
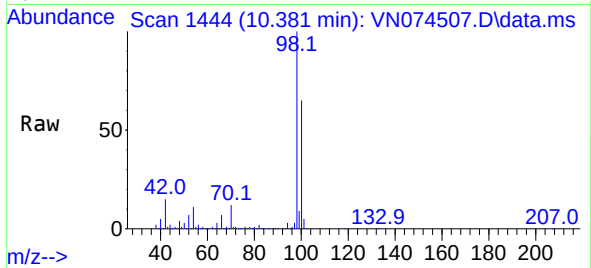




#50  
Toluene-d8  
Concen: 47.864 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

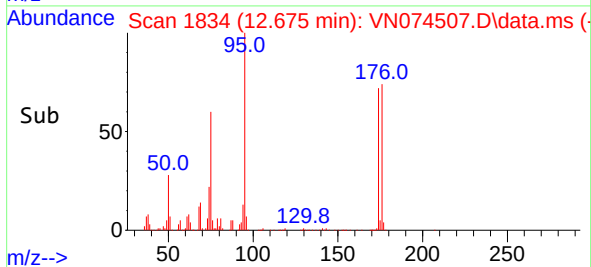
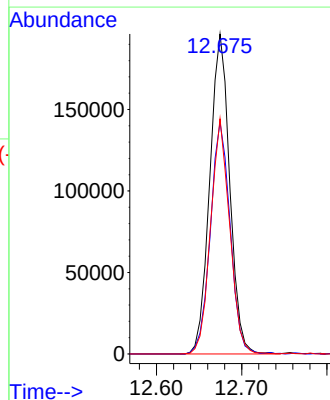
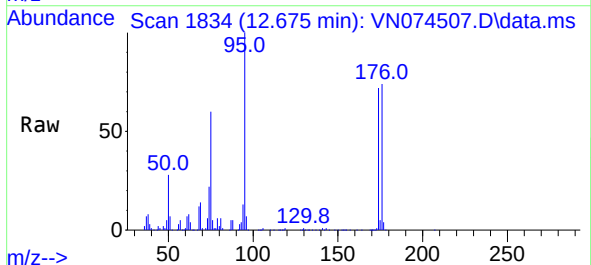
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

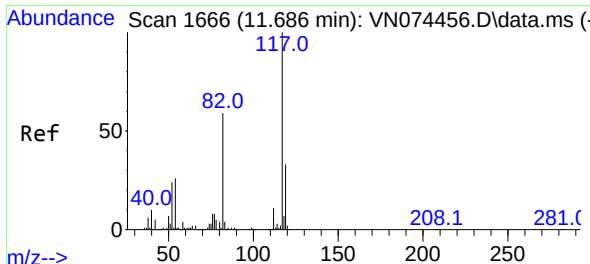
Tgt Ion: 98 Resp: 813824  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 54.728 ug/l  
RT: 12.675 min Scan# 1834  
Delta R.T. 0.001 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion: 95 Resp: 318706  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 167.6  
176 70.2 0.0 163.4

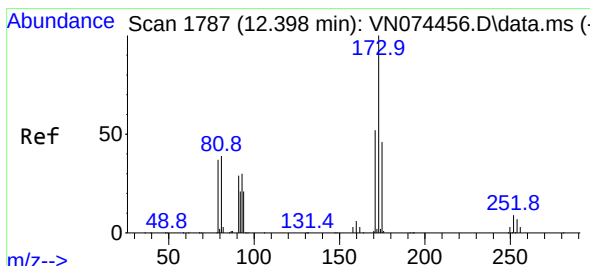
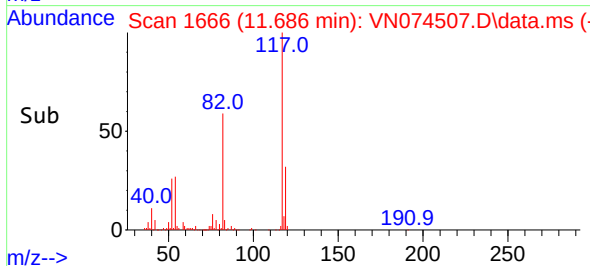
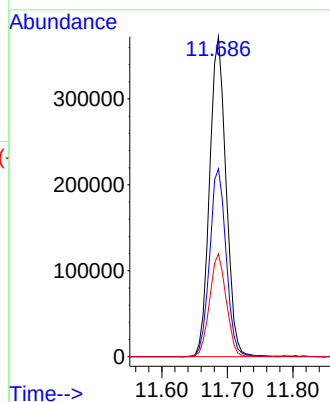
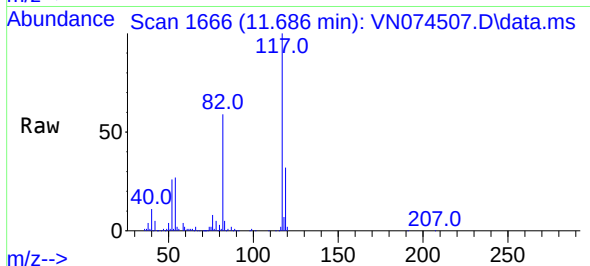




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

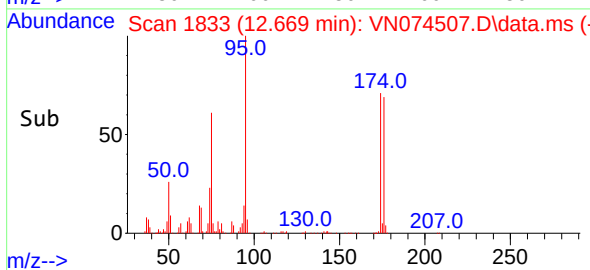
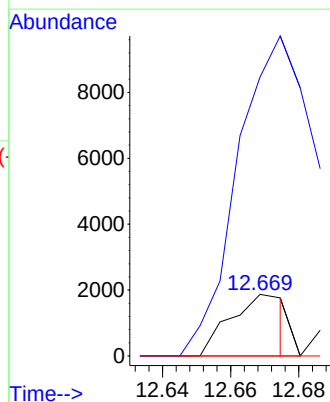
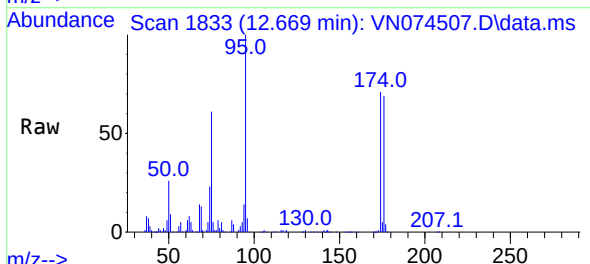
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

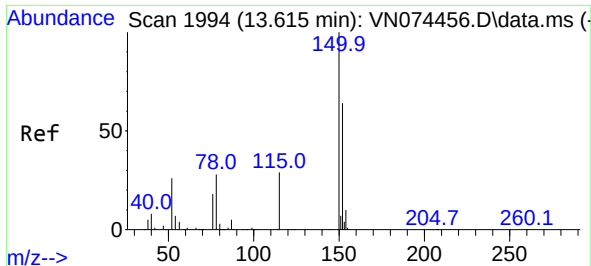
Tgt Ion:117 Resp: 650717  
Ion Ratio Lower Upper  
117 100  
82 58.7 44.2 66.2  
119 32.1 25.4 38.0



#71  
Bromoform  
Concen: 0.478 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.271 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

Tgt Ion:173 Resp: 2084  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.6#  
254 0.0 0.1 0.1#

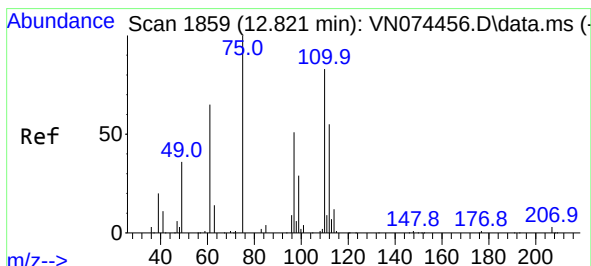
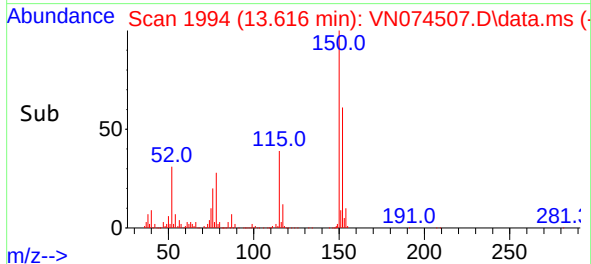
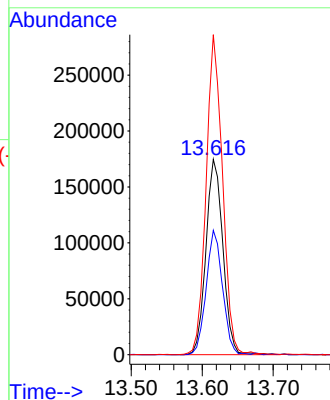
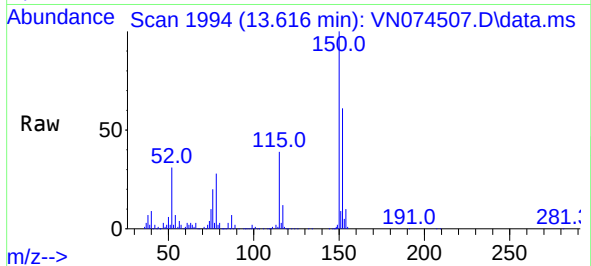




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.616 min Scan# 1994  
 Delta R.T. 0.001 min  
 Lab File: VN074507.D  
 Acq: 16 Sep 2022 13:56

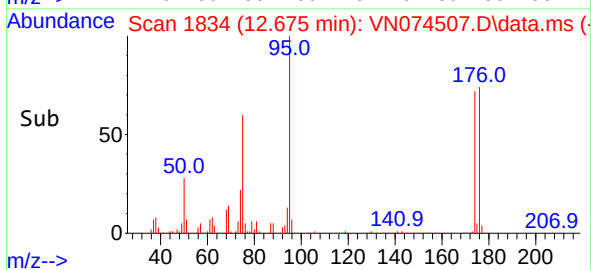
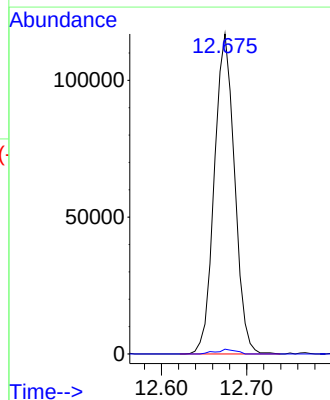
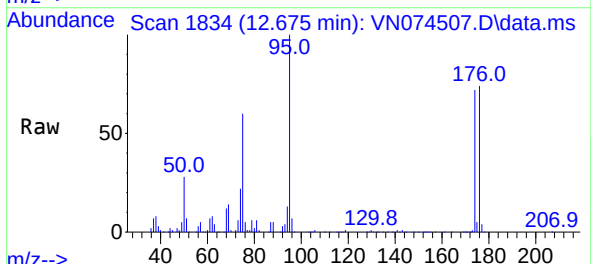
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW5-GW-338-340RE

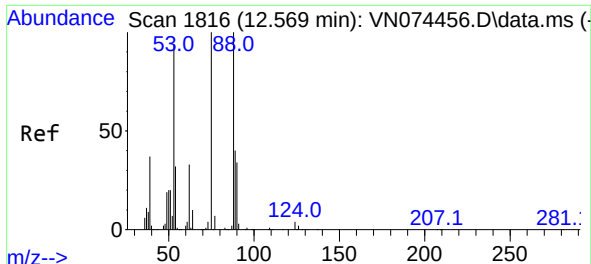
Tgt Ion:152 Resp: 290947  
 Ion Ratio Lower Upper  
 152 100  
 115 61.4 28.9 86.7  
 150 158.1 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 21.573 ug/l  
 RT: 12.675 min Scan# 1834  
 Delta R.T. -0.146 min  
 Lab File: VN074507.D  
 Acq: 16 Sep 2022 13:56

Tgt Ion: 75 Resp: 193200  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 98.5 295.5#

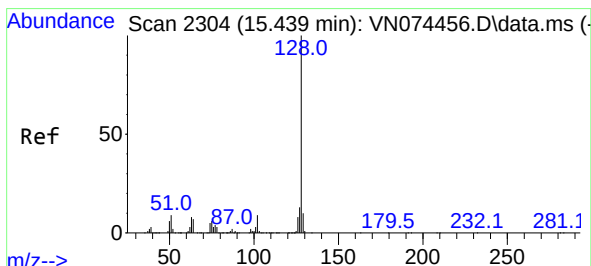
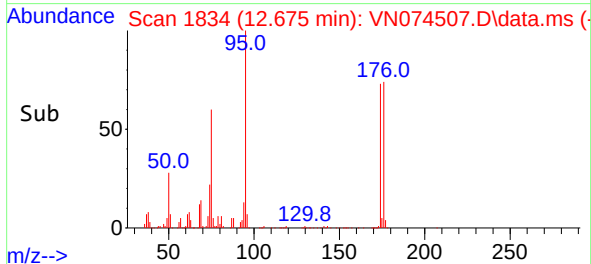
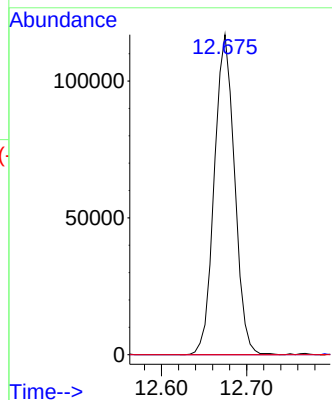
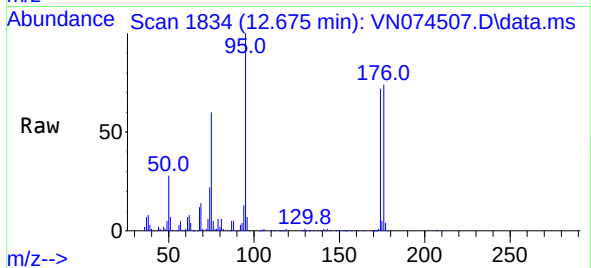




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.562 ug/l  
RT: 12.675 min Scan# 1816  
Delta R.T. 0.106 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

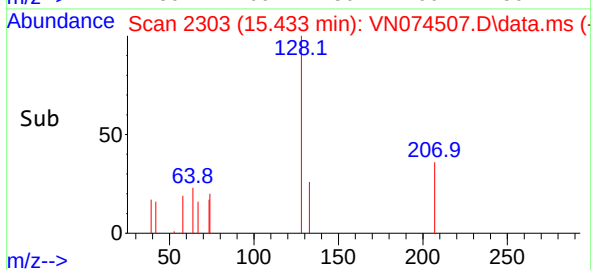
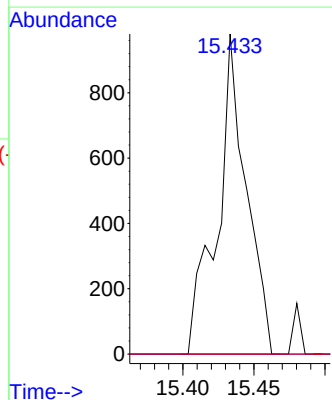
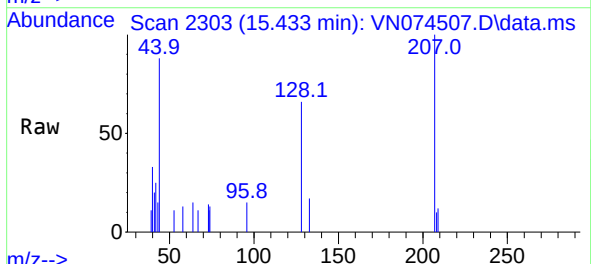
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-RW5-GW-338-340RE

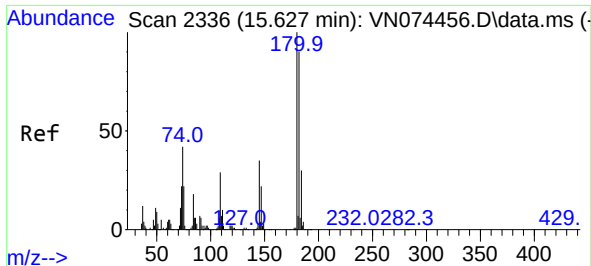
Tgt Ion: 75 Resp: 193200  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#95  
Naphthalene  
Concen: 1.643 ug/l  
RT: 15.433 min Scan# 2303  
Delta R.T. -0.006 min  
Lab File: VN074507.D  
Acq: 16 Sep 2022 13:56

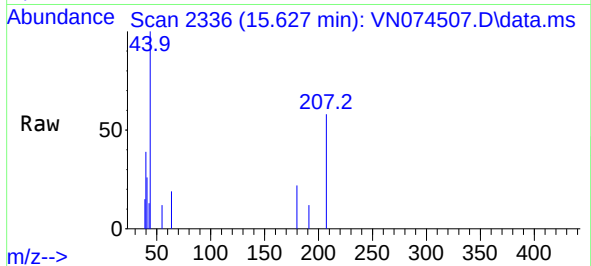
Tgt Ion:128 Resp: 1393  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.373 ug/l  
 RT: 15.627 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN074507.D  
 Acq: 16 Sep 2022 13:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-RW5-GW-338-340RE



Tgt Ion:180 Resp: 224  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 47.8 143.3#  
 145 0.0 15.5 46.5#

