

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022323\  
 Data File : VN076786.D  
 Acq On : 23 Feb 2023 11:58  
 Operator : JC\MD  
 Sample : VN0223WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0223WBL01

Quant Time: Feb 24 01:33:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

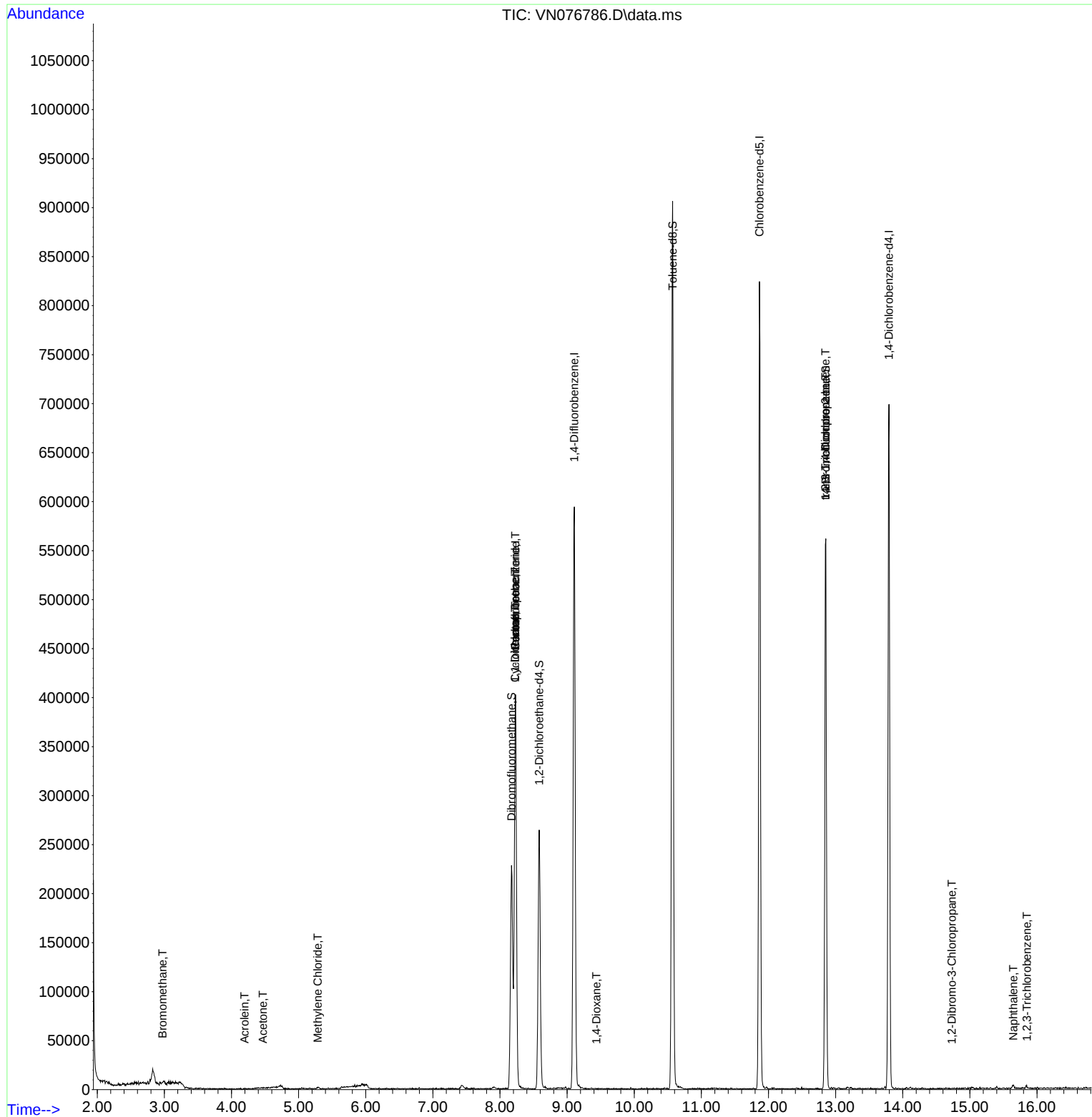
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 283848   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.107  | 114   | 498856   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.866 | 117   | 443142   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.795 | 152   | 174193   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 200148   | 51.064   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 102.120% |          |
| 35) Dibromofluoromethane      | 8.172  | 113   | 159156   | 48.717   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 97.440%  |          |
| 50) Toluene-d8                | 10.571 | 98    | 616230   | 50.509   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 101.020% |          |
| 62) 4-Bromofluorobenzene      | 12.854 | 95    | 179452   | 44.410   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 88.820%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 2.972  | 94    | 1025     | 0.437    | ug/l #     | 65       |
| 13) Acrolein                  | 4.195  | 56    | 197      | 0.254    | ug/l #     | 14       |
| 16) Acetone                   | 4.466  | 43    | 754      | 0.431    | ug/l #     | 42       |
| 20) Methylene Chloride        | 5.284  | 84    | 765      | 0.208    | ug/l #     | 39       |
| 31) Cyclohexane               | 8.225  | 56    | 8651     | 1.407    | ug/l #     | 55       |
| 36) 1,1-Dichloropropene       | 8.225  | 75    | 24798    | 5.254    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 29127    | 6.117    | ug/l #     | 16       |
| 49) 1,4-Dioxane               | 9.436  | 88    | 65       | 0.980    | ug/l #     | 23       |
| 76) 1,2,3-Trichloropropane    | 12.848 | 75    | 102718   | 29.167   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.848 | 75    | 102718   | 84.952   | ug/l #     | 4        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.730 | 75    | 201      | 0.224    | ug/l #     | 1        |
| 95) Naphthalene               | 15.648 | 128   | 3598     | 0.385    | ug/l #     | 89       |
| 96) 1,2,3-Trichlorobenzene    | 15.848 | 180   | 1119     | 0.375    | ug/l       | 60       |
| -----                         |        |       |          |          |            |          |

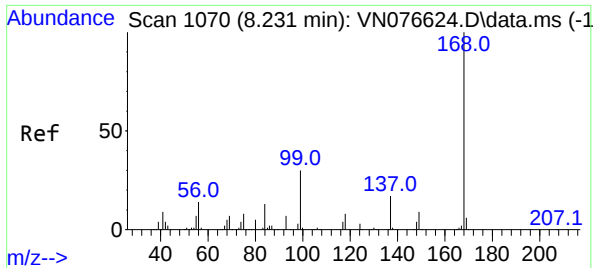
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022323\  
Data File : VN076786.D  
Acq On : 23 Feb 2023 11:58  
Operator : JC\MD  
Sample : VN0223WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

Quant Time: Feb 24 01:33:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 14 01:44:47 2023  
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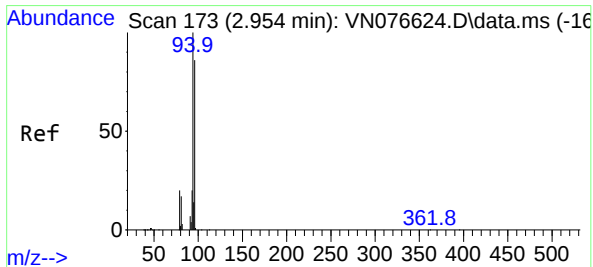
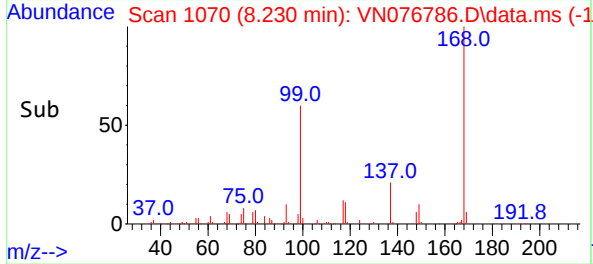
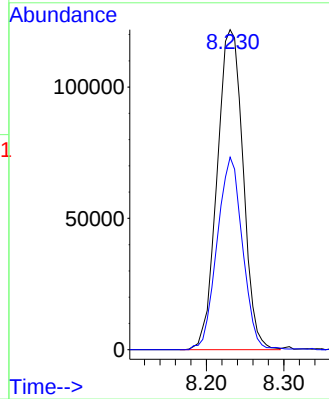
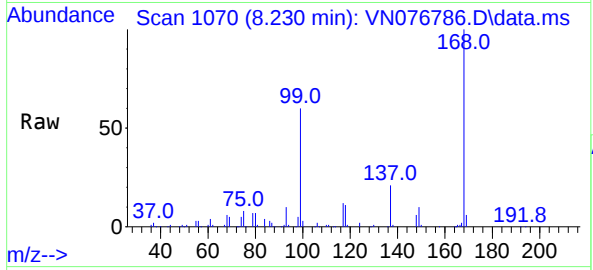




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

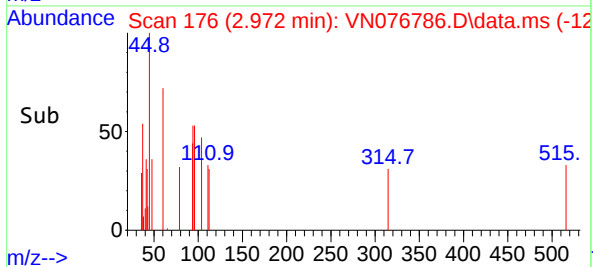
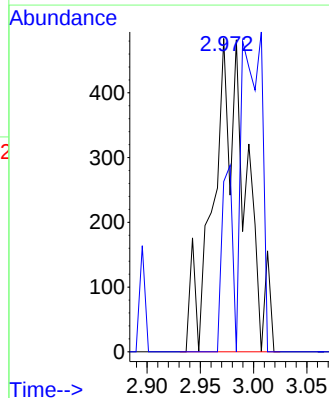
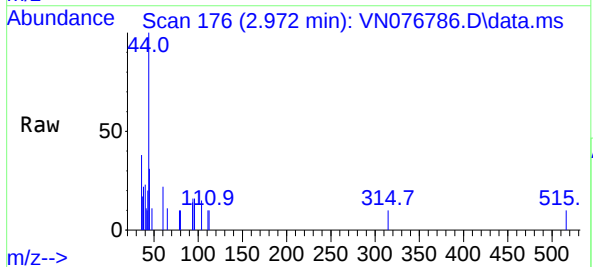
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

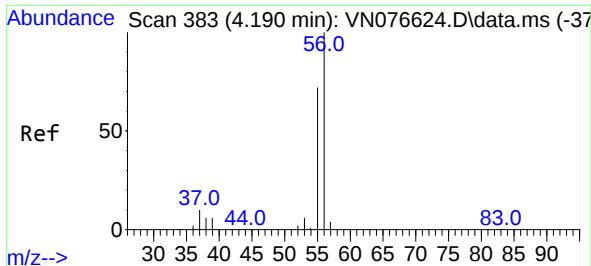
Tgt Ion:168 Resp: 283848  
Ion Ratio Lower Upper  
168 100  
99 60.1 44.8 67.2



#5  
Bromomethane  
Concen: 0.437 ug/l  
RT: 2.972 min Scan# 176  
Delta R.T. 0.018 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 94 Resp: 1025  
Ion Ratio Lower Upper  
94 100  
96 54.3 69.0 103.4#

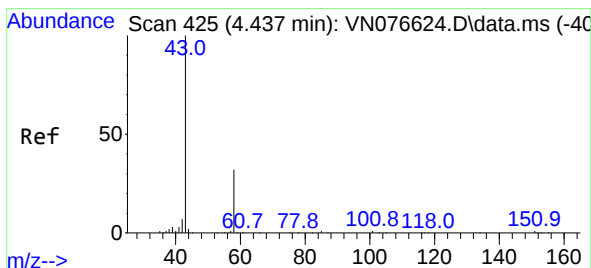
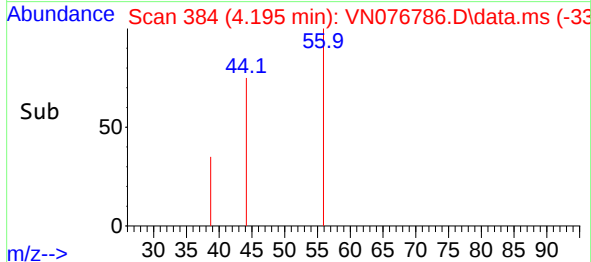
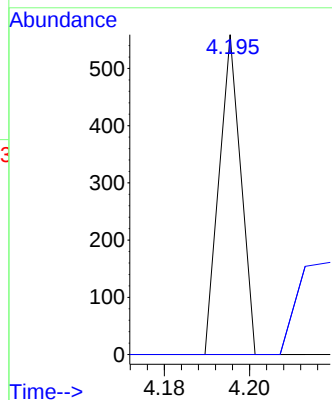
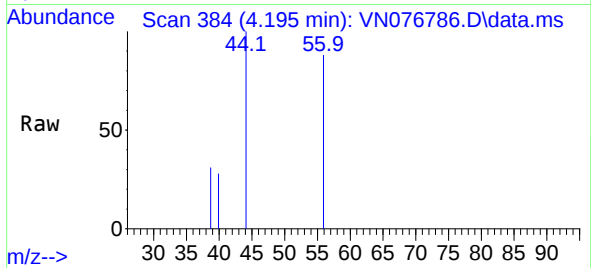




#13  
Acrolein  
Concen: 0.254 ug/l  
RT: 4.195 min Scan# 383  
Delta R.T. 0.005 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

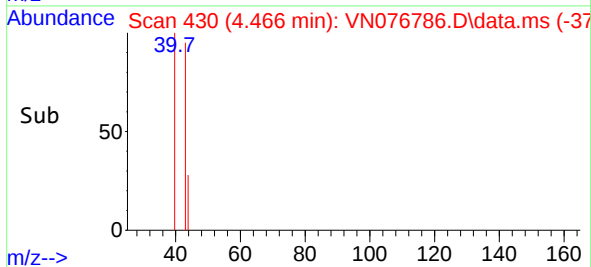
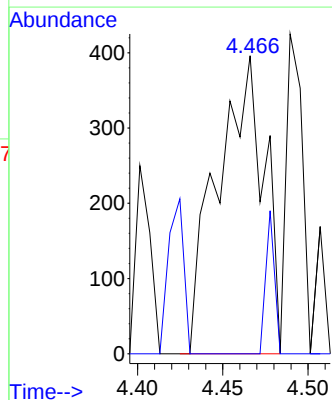
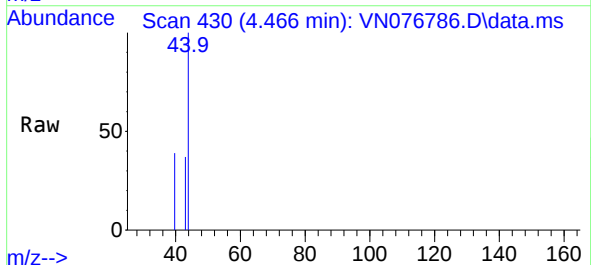
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

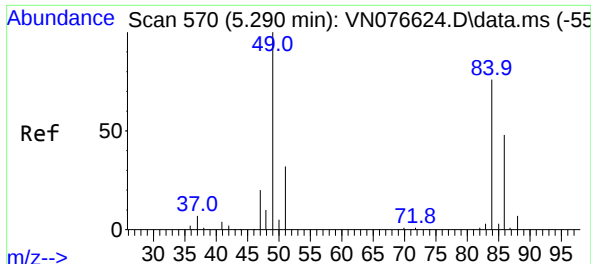
Tgt Ion: 56 Resp: 197  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.3 84.5#



#16  
Acetone  
Concen: 0.431 ug/l  
RT: 4.466 min Scan# 430  
Delta R.T. 0.029 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 43 Resp: 754  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.9 38.9#



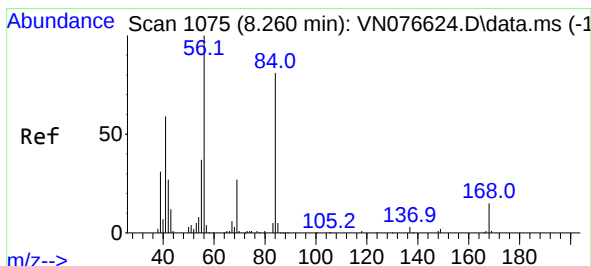
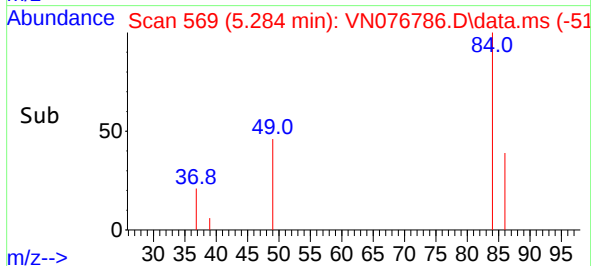
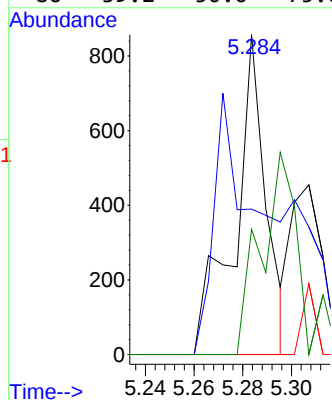
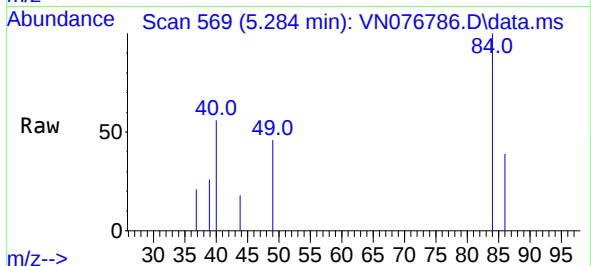


#20  
Methylene Chloride  
Concen: 0.208 ug/l  
RT: 5.284 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

Tgt Ion: 84 Resp: 765

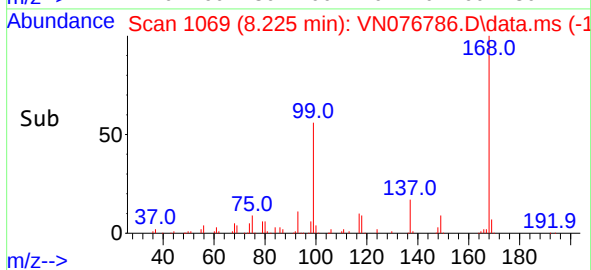
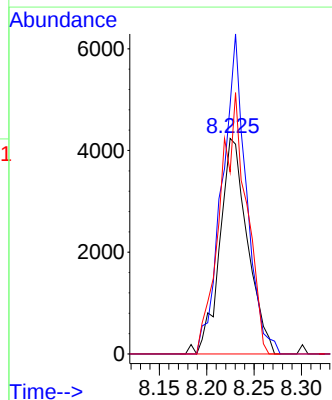
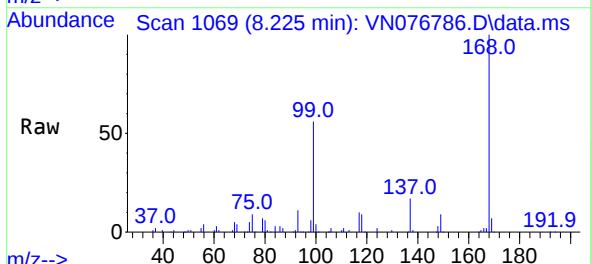
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 45.5  | 104.9 | 157.3# |
| 51  | 0.0   | 33.8  | 50.8#  |
| 86  | 39.2  | 50.0  | 75.0#  |

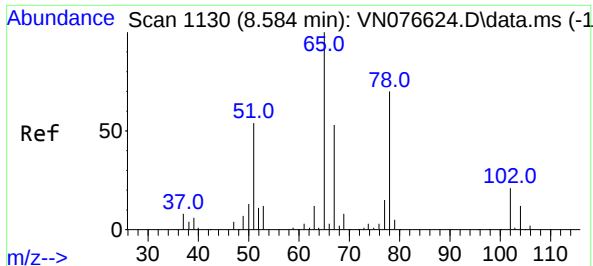


#31  
Cyclohexane  
Concen: 1.407 ug/l  
RT: 8.225 min Scan# 1069  
Delta R.T. -0.035 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 56 Resp: 8651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 115.5 | 21.6  | 32.4# |
| 84  | 84.4  | 65.1  | 97.7  |

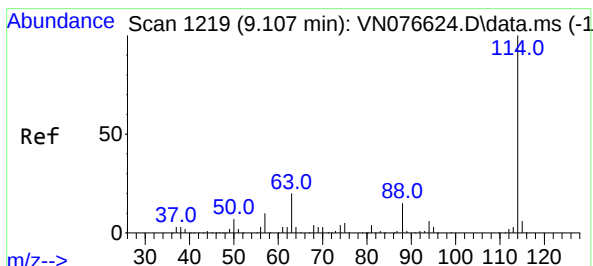
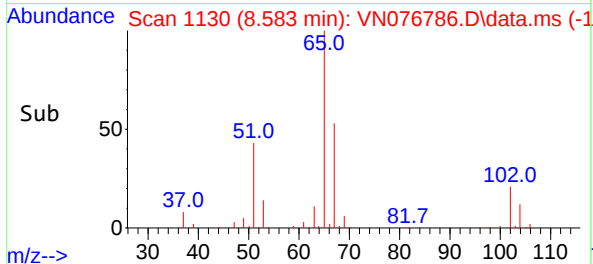
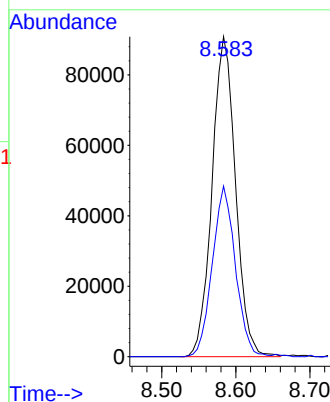
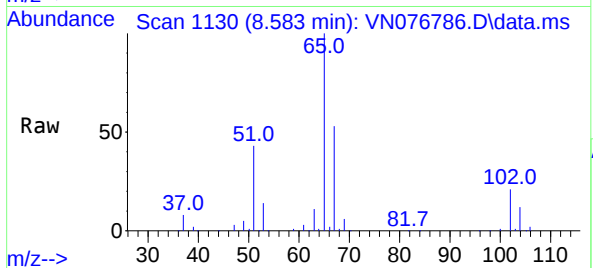




#33  
1,2-Dichloroethane-d4  
Concen: 51.064 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.001 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

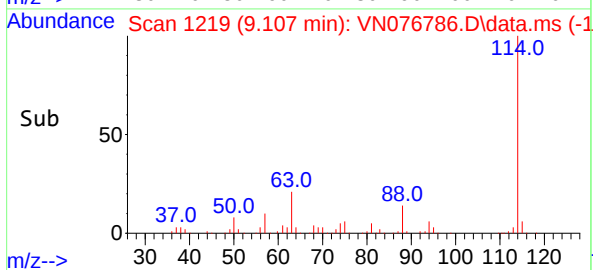
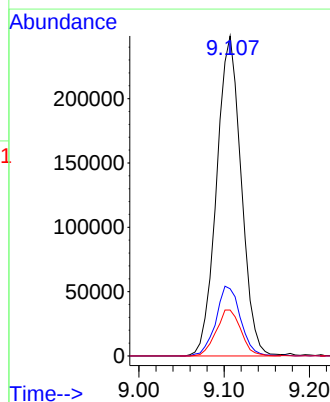
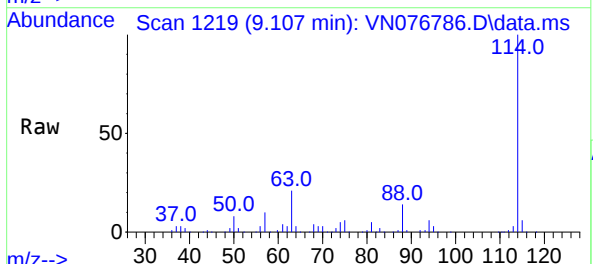
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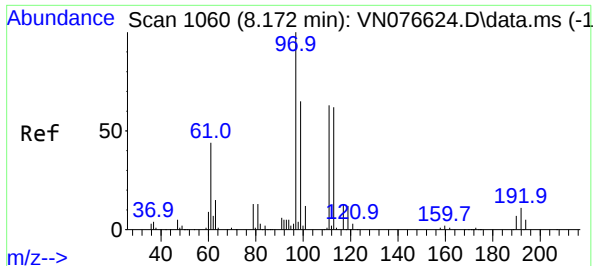
Tgt Ion: 65 Resp: 200148  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 105.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 114 Resp: 498856  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.0  
88 14.4 0.0 29.6

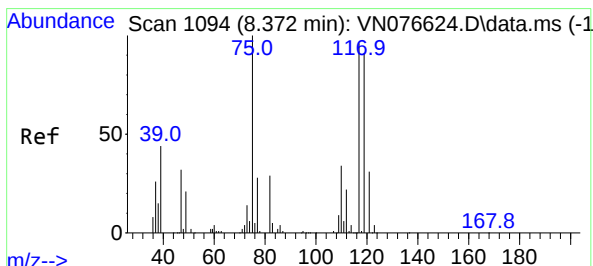
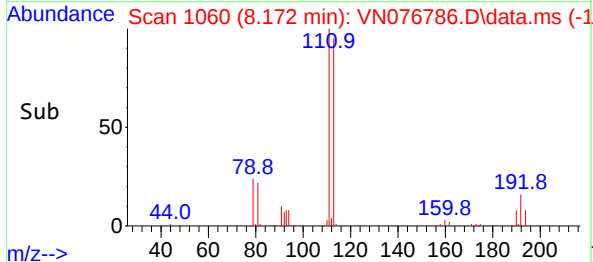
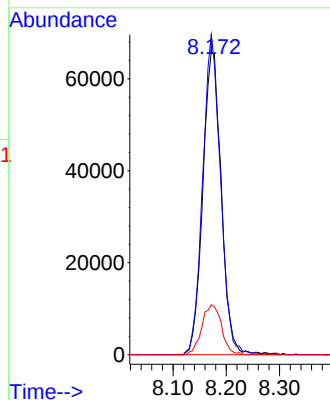
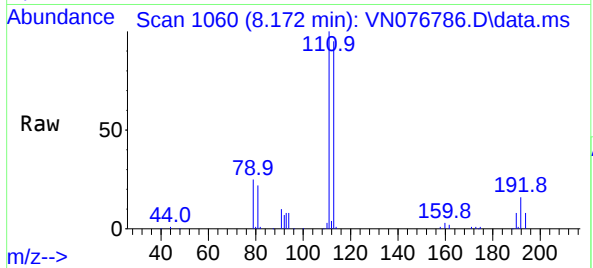




#35  
Dibromofluoromethane  
Concen: 48.717 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

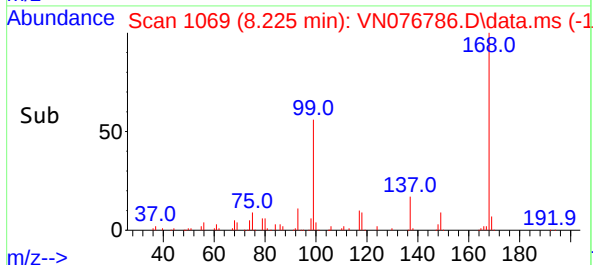
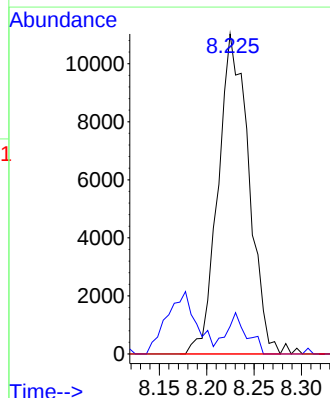
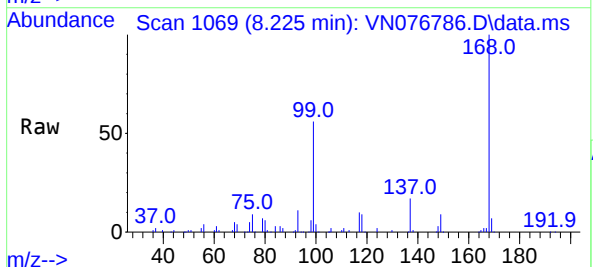
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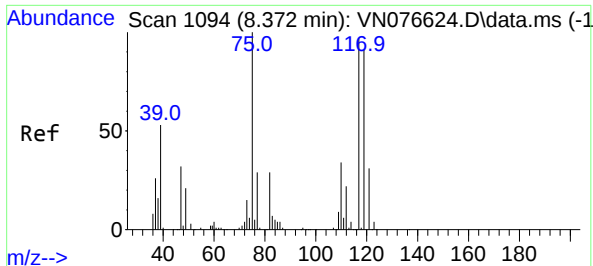
Tgt Ion:113 Resp: 159156  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.1 124.7  
192 17.5 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 5.254 ug/l  
RT: 8.225 min Scan# 1069  
Delta R.T. -0.147 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

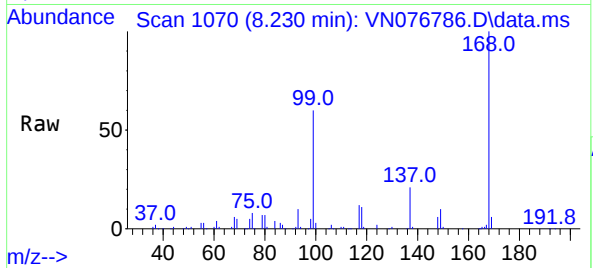
Tgt Ion: 75 Resp: 24798  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.5 52.5#  
77 0.0 24.5 36.7#



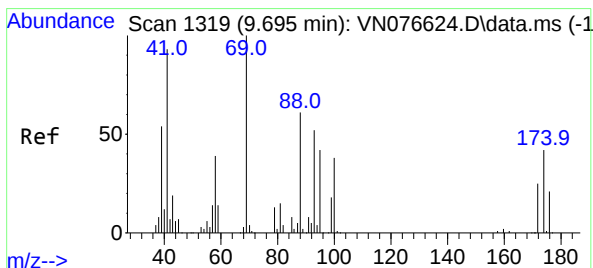
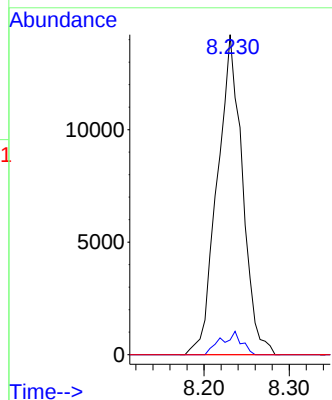
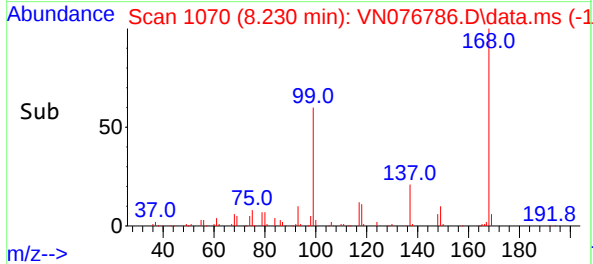


#38  
Carbon Tetrachloride  
Concen: 6.117 ug/l  
RT: 8.230 min Scan# 117  
Delta R.T. -0.142 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

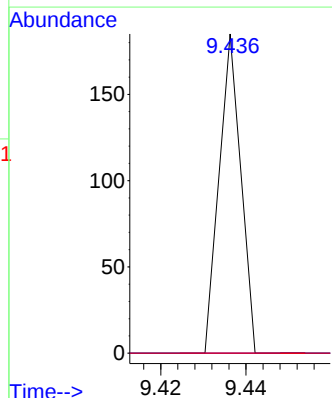
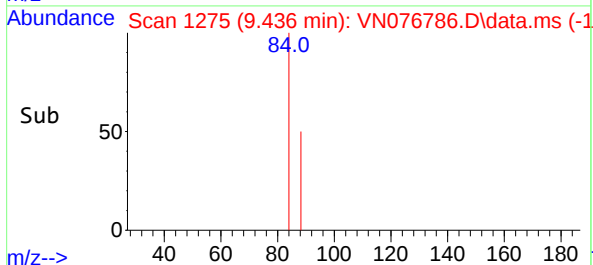
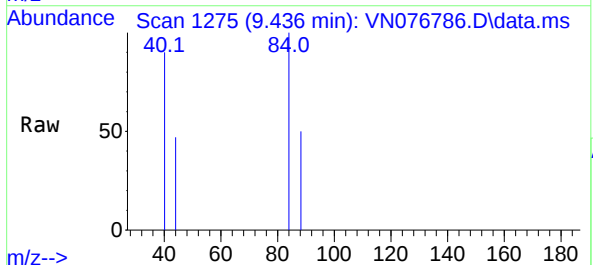


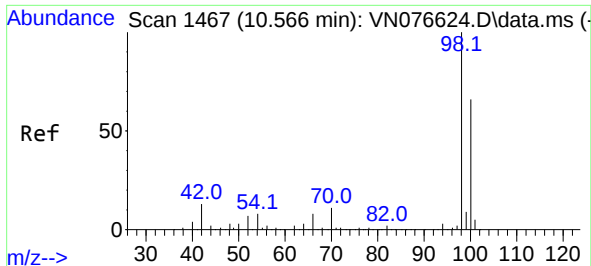
Tgt Ion:117 Resp: 29127  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.0#  
121 0.0 26.0 39.0#



#49  
1,4-Dioxane  
Concen: 0.980 ug/l  
RT: 9.436 min Scan# 1275  
Delta R.T. -0.259 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 88 Resp: 65  
Ion Ratio Lower Upper  
88 100  
43 0.0 22.6 33.8#  
58 0.0 57.6 86.4#

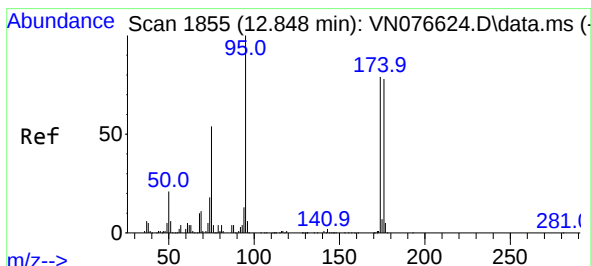
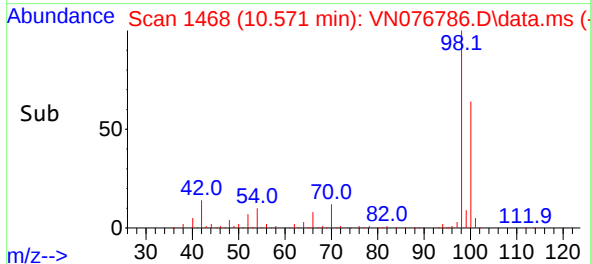
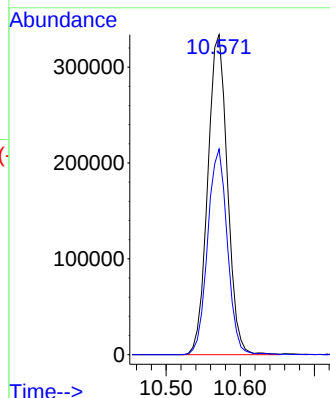
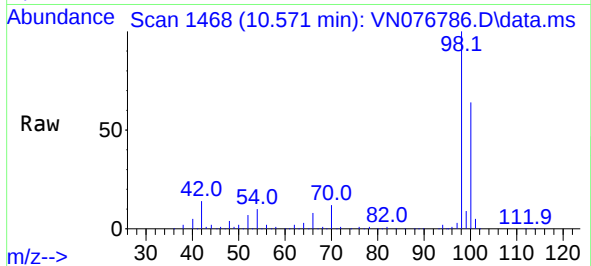




#50  
Toluene-d8  
Concen: 50.509 ug/l  
RT: 10.571 min Scan# 1468  
Delta R.T. 0.005 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

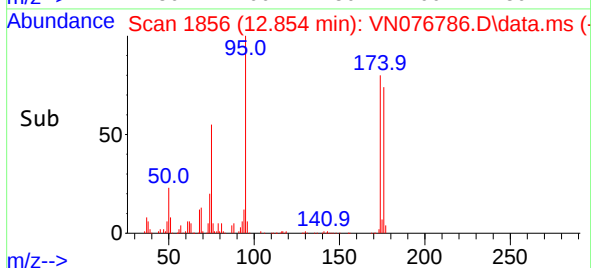
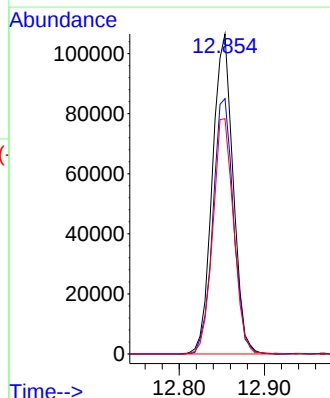
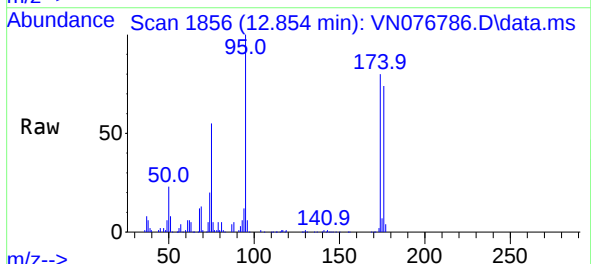
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

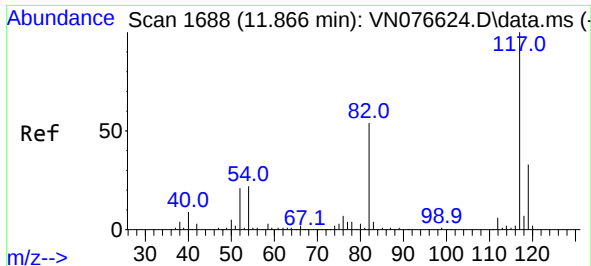
Tgt Ion: 98 Resp: 616230  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 44.410 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 95 Resp: 179452  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 169.2  
176 73.9 0.0 163.4

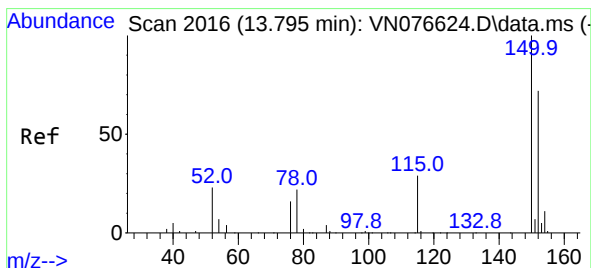
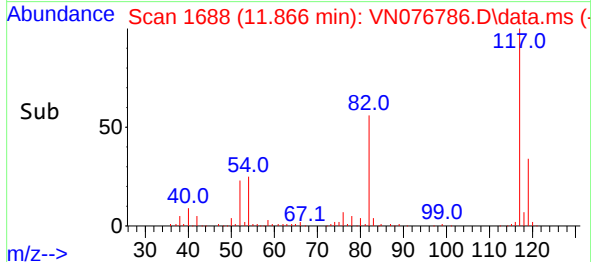
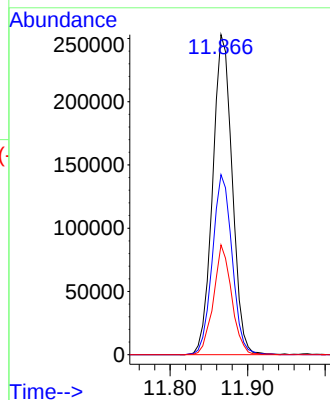
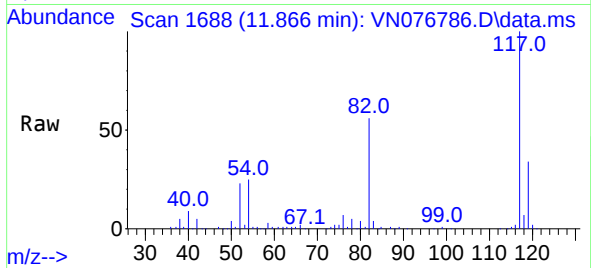




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

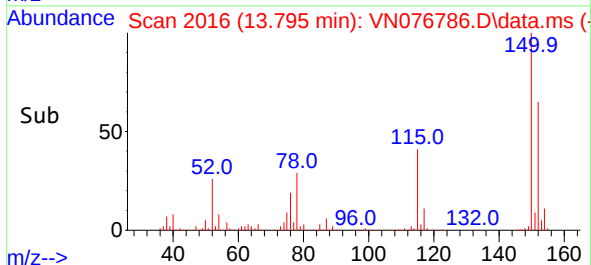
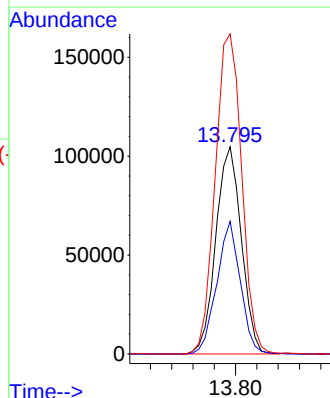
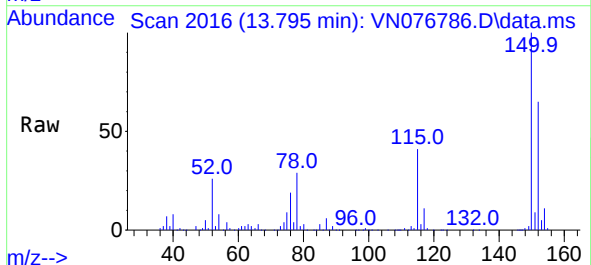
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

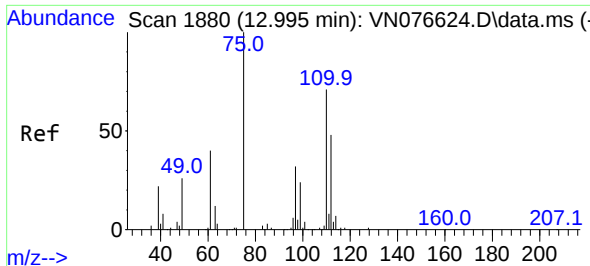
Tgt Ion:117 Resp: 443142  
Ion Ratio Lower Upper  
117 100  
82 56.2 43.4 65.2  
119 34.3 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion:152 Resp: 174193  
Ion Ratio Lower Upper  
152 100  
115 59.1 29.3 87.9  
150 160.4 0.0 349.8

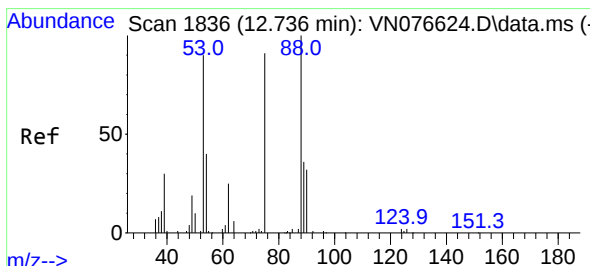
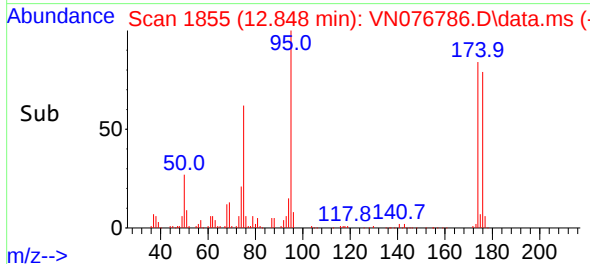
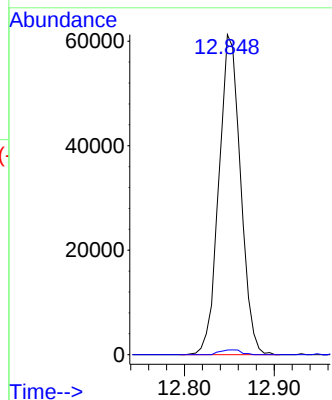
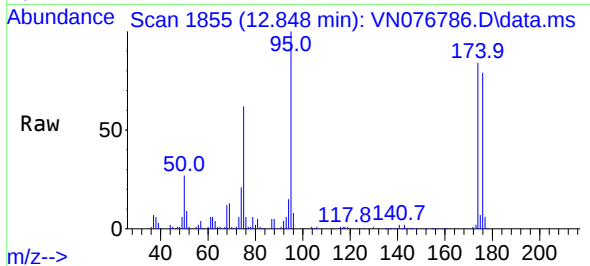




#76  
1,2,3-Trichloropropane  
Concen: 29.167 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. -0.147 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

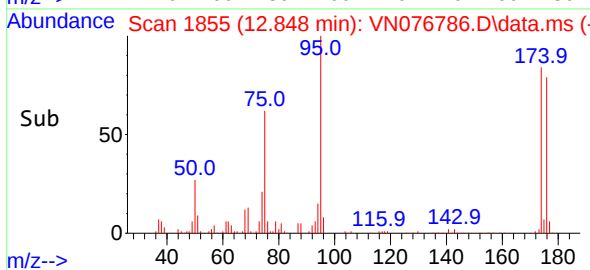
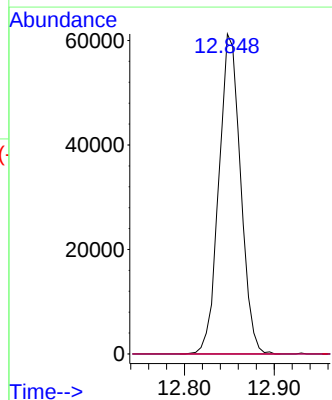
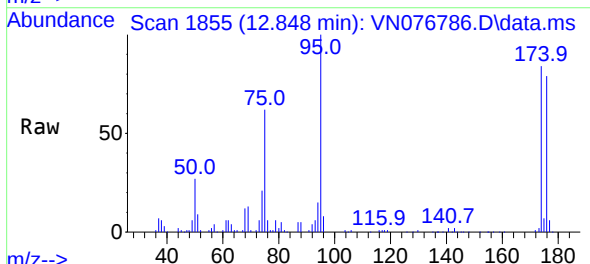
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

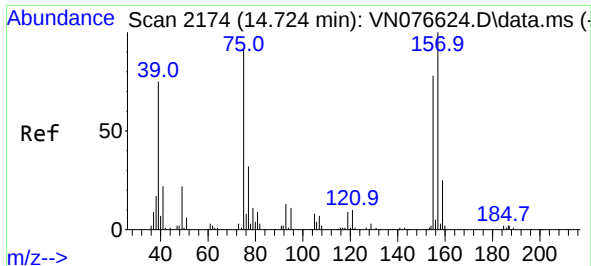
Tgt Ion: 75 Resp: 102718  
Ion Ratio Lower Upper  
75 100  
77 1.5 93.1 279.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.952 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. 0.112 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

Tgt Ion: 75 Resp: 102718  
Ion Ratio Lower Upper  
75 100  
53 0.0 92.1 138.1#  
89 0.0 37.5 56.3#

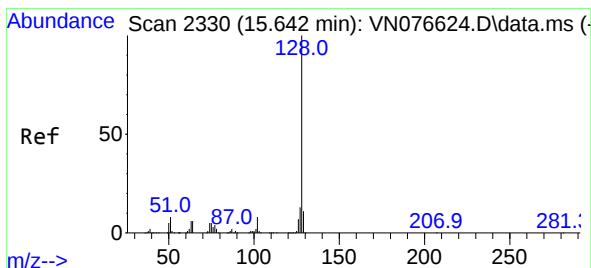
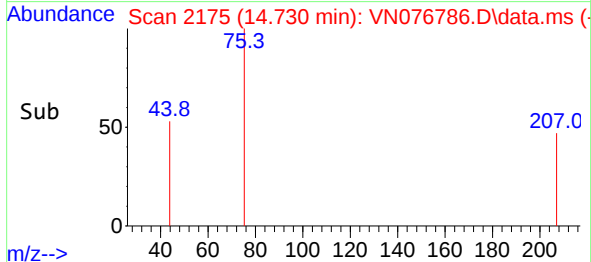
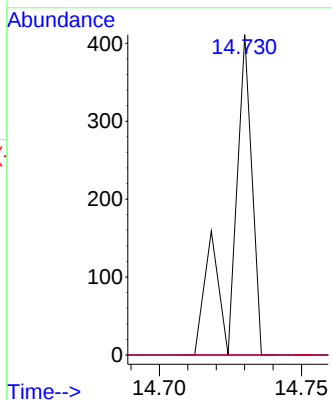
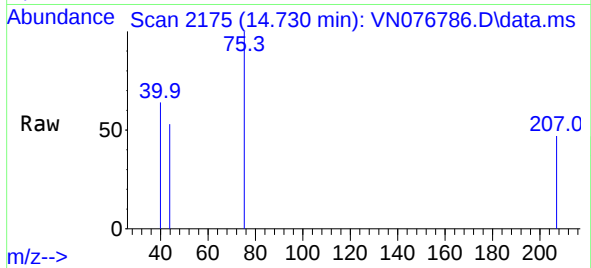




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.224 ug/l  
RT: 14.730 min Scan# 2175  
Delta R.T. 0.006 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

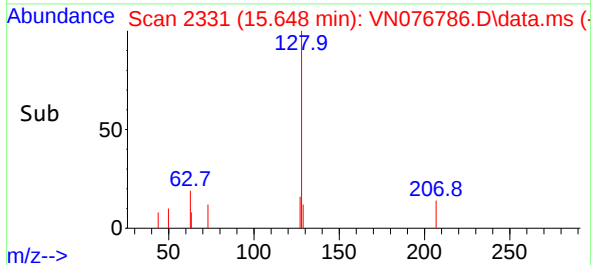
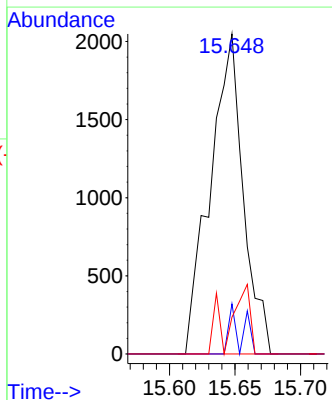
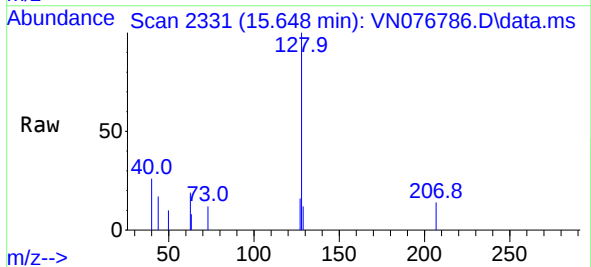
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0223WBL01

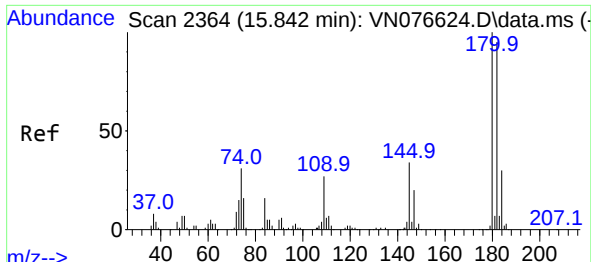
Tgt Ion: 75 Resp: 201  
Ion Ratio Lower Upper  
75 100  
155 0.0 43.4 130.2#  
157 0.0 55.2 165.6#



#95  
Naphthalene  
Concen: 0.385 ug/l  
RT: 15.648 min Scan# 2331  
Delta R.T. 0.006 min  
Lab File: VN076786.D  
Acq: 23 Feb 2023 11:58

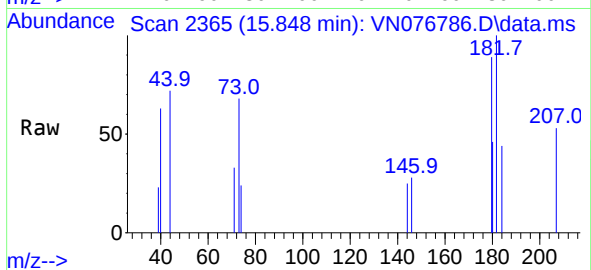
Tgt Ion: 128 Resp: 3598  
Ion Ratio Lower Upper  
128 100  
127 5.9 10.6 16.0#  
129 10.0 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.375 ug/l  
 RT: 15.848 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN076786.D  
 Acq: 23 Feb 2023 11:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0223WBL01



Tgt Ion:180 Resp: 1119

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 48.4  | 46.7  | 140.1 |
| 145 | 20.3  | 16.0  | 47.9  |

