

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040422\  
 Data File : VN071833.D  
 Acq On : 04 Apr 2022 15:53  
 Operator : JC\MD  
 Sample : N2233-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6RE

Quant Time: Apr 05 01:18:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

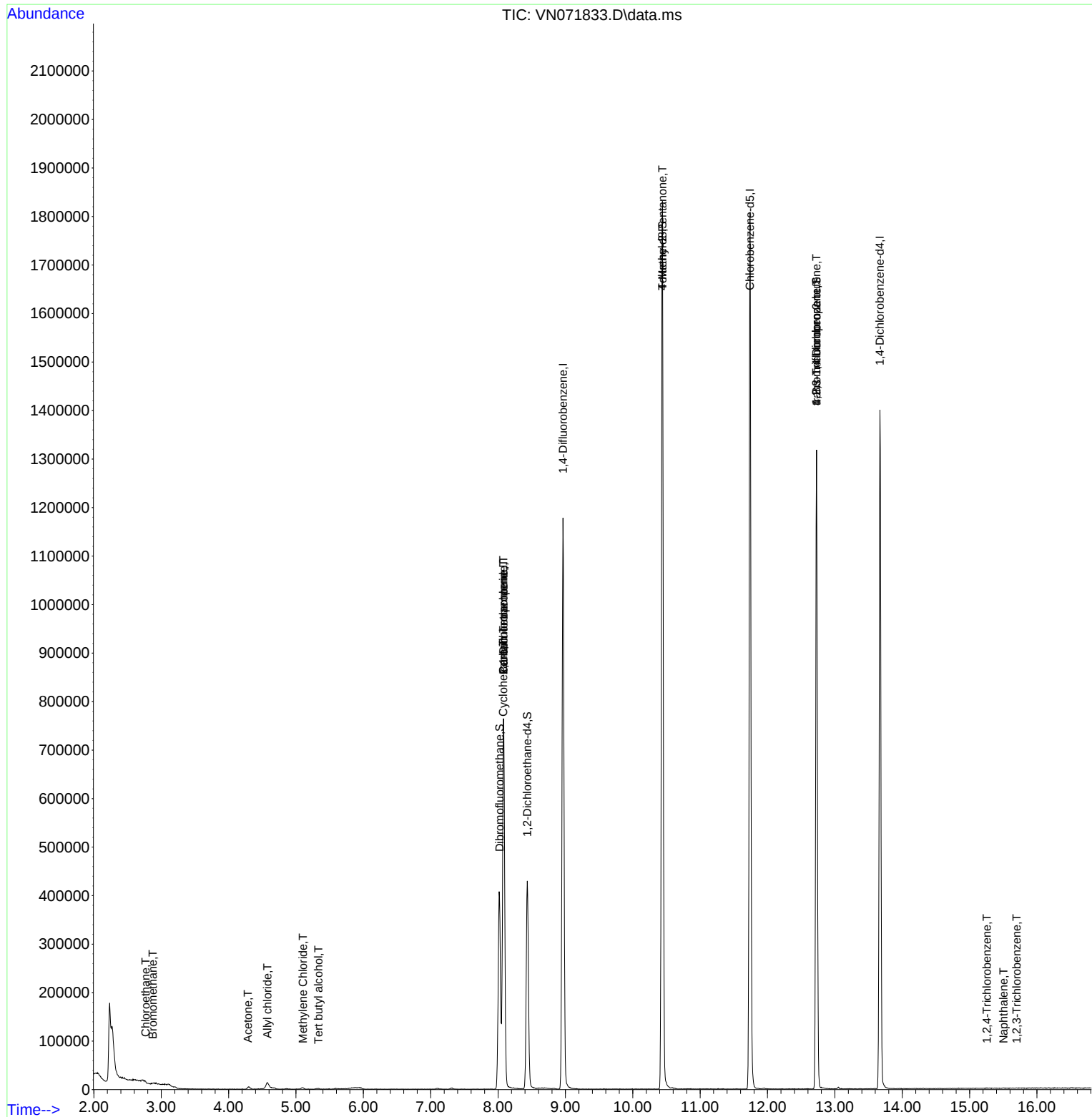
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 8.081  | 168            | 631763   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114            | 1072835  | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117            | 1099903  | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152            | 416166   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.434  | 65             | 354484   | 49.150    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 61 - 141 | Recovery | =         | 98.300%  |          |
| 35) Dibromofluoromethane      | 8.022  | 113            | 305583   | 48.405    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 69 - 133 | Recovery | =         | 96.820%  |          |
| 50) Toluene-d8                | 10.439 | 98             | 1345700  | 52.108    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 65 - 126 | Recovery | =         | 104.220% |          |
| 62) 4-Bromofluorobenzene      | 12.727 | 95             | 471815   | 56.490    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 135 | Recovery | =         | 112.980% |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           | Qvalue   |          |
| 5) Bromomethane               | 2.875  | 94             | 1384     | 0.305     | ug/l     | 99       |
| 6) Chloroethane               | 2.769  | 64             | 2627     | 0.522     | ug/l #   | 42       |
| 11) Tert butyl alcohol        | 5.334  | 59             | 609      | 0.520     | ug/l #   | 72       |
| 14) Allyl chloride            | 4.575  | 41             | 1837     | 0.217     | ug/l #   | 74       |
| 16) Acetone                   | 4.287  | 43             | 5322     | 1.727     | ug/l #   | 85       |
| 18) Methyl Acetate            | 4.863  | 43             | 2170     | Below Cal | #        | 65       |
| 20) Methylene Chloride        | 5.104  | 84             | 2468     | 0.380     | ug/l #   | 77       |
| 31) Cyclohexane               | 8.075  | 56             | 10679    | 1.089     | ug/l #   | 3        |
| 36) 1,1-Dichloropropene       | 8.081  | 75             | 44036    | 4.995     | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 8.081  | 117            | 56144    | 6.498     | ug/l #   | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.439 | 43             | 4438     | 0.481     | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75             | 229079   | 23.761    | ug/l #   | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75             | 229079   | 73.636    | ug/l #   | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.257 | 180            | 56       | 2.094     | ug/l #   | 12       |
| 95) Naphthalene               | 15.504 | 128            | 733      | 3.839     | ug/l #   | 69       |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180            | 68       | 2.424     | ug/l #   | 12       |
| -----                         |        |                |          |           |          |          |

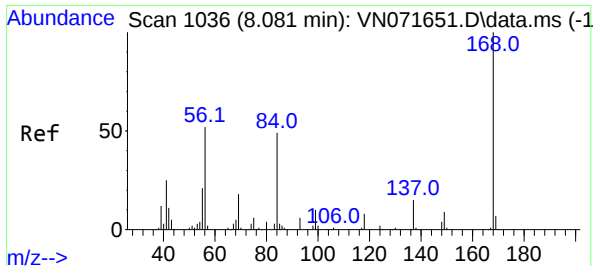
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 31 01:57:54 2022  
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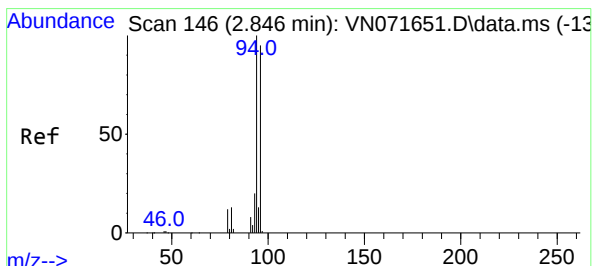
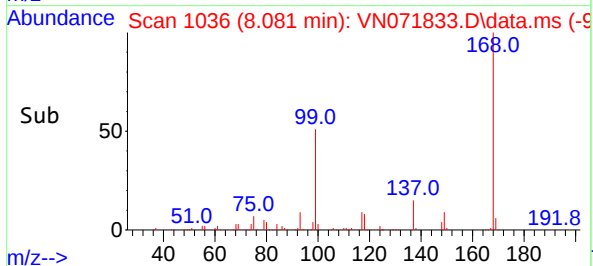
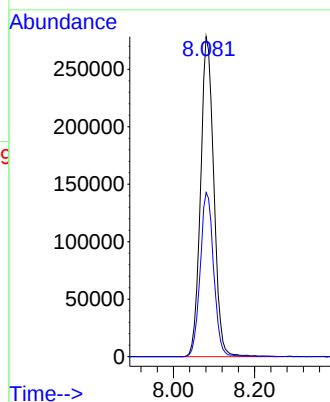
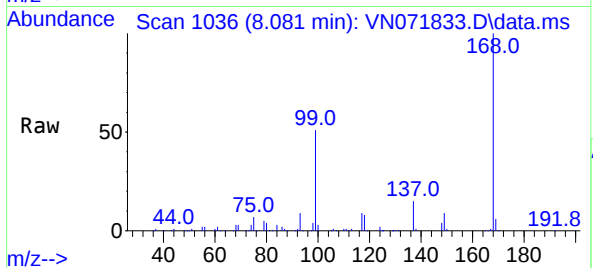




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

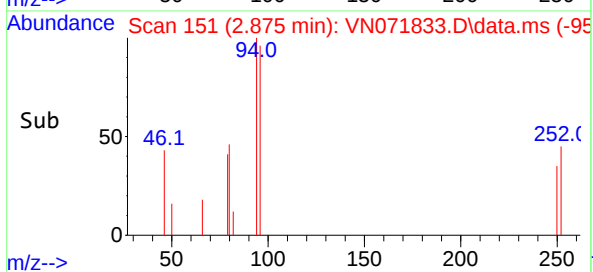
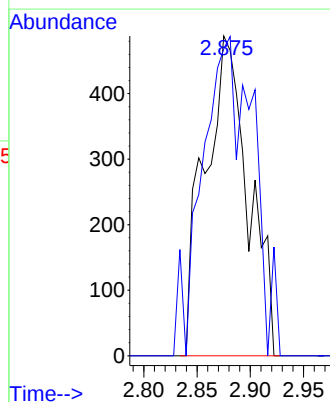
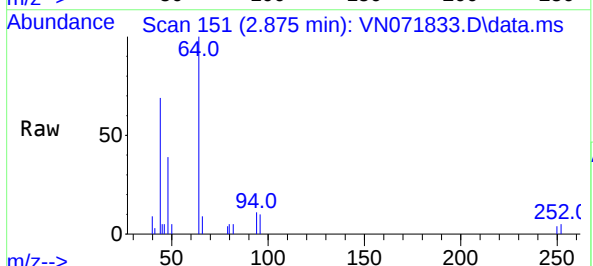
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

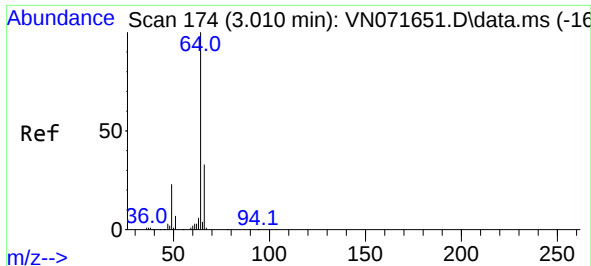
Tgt Ion:168 Resp: 631763  
Ion Ratio Lower Upper  
168 100  
99 51.3 42.3 63.5



#5  
Bromomethane  
Concen: 0.305 ug/l  
RT: 2.875 min Scan# 151  
Delta R.T. 0.029 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 94 Resp: 1384  
Ion Ratio Lower Upper  
94 100  
96 95.9 76.0 114.0

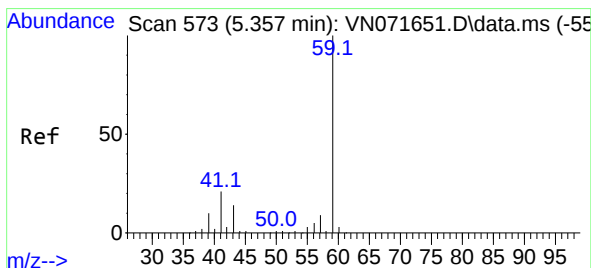
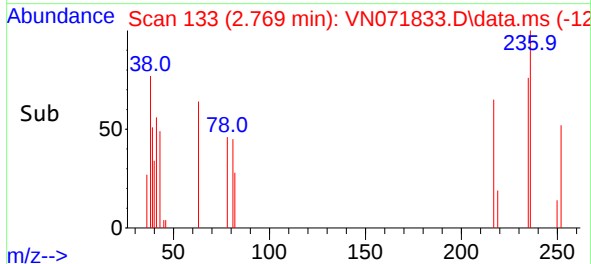
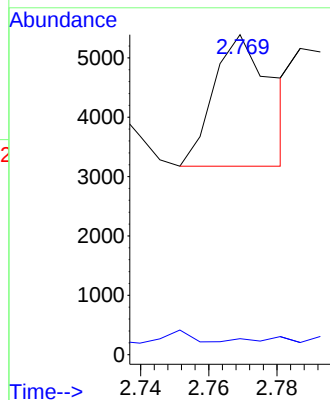
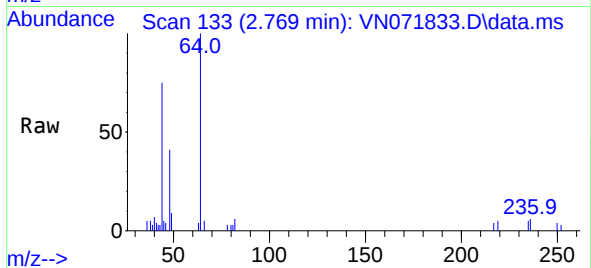




#6  
Chloroethane  
Concen: 0.522 ug/l  
RT: 2.769 min Scan# 11  
Delta R.T. -0.241 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

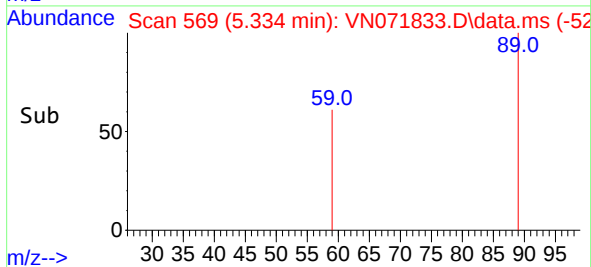
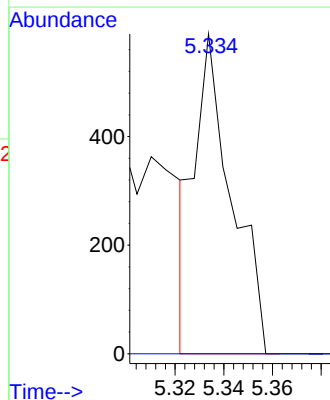
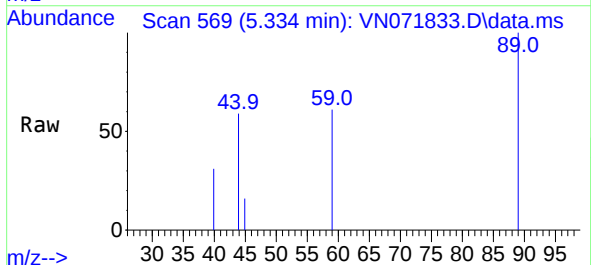
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MSVOA\_N  
ClientSampleId :  
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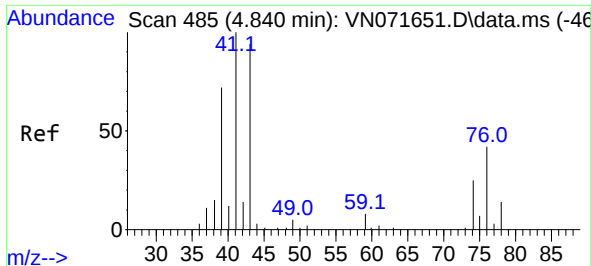
Tgt Ion: 64 Resp: 2627  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#11  
Tert butyl alcohol  
Concen: 0.520 ug/l  
RT: 5.334 min Scan# 569  
Delta R.T. -0.023 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 59 Resp: 609  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

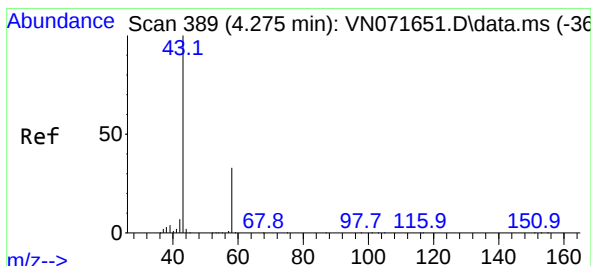
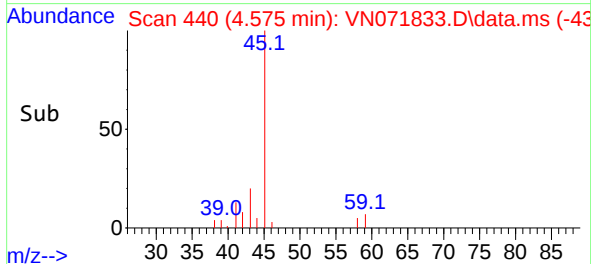
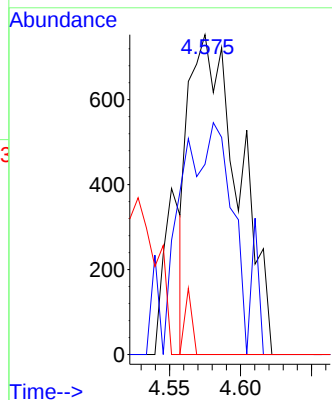
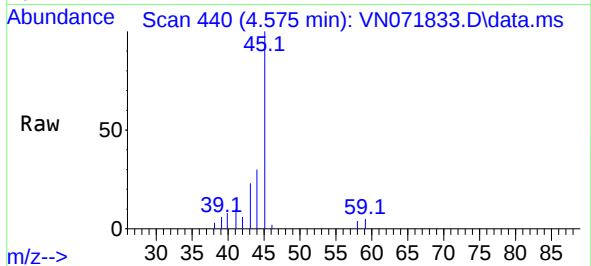




#14  
 Allyl chloride  
 Concen: 0.217 ug/l  
 RT: 4.575 min Scan# 44  
 Delta R.T. -0.265 min  
 Lab File: VN071833.D  
 Acq: 04 Apr 2022 15:53

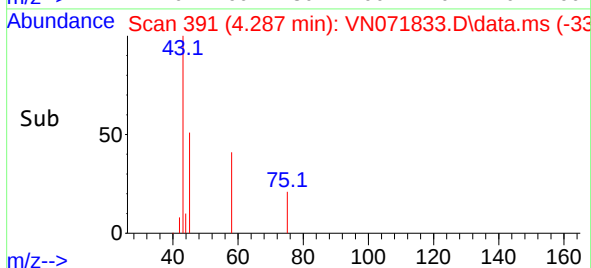
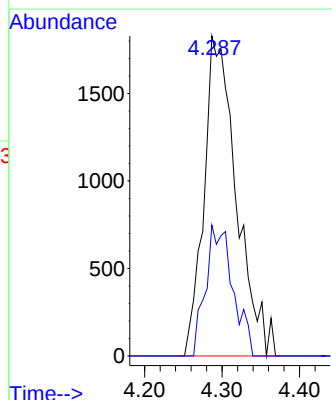
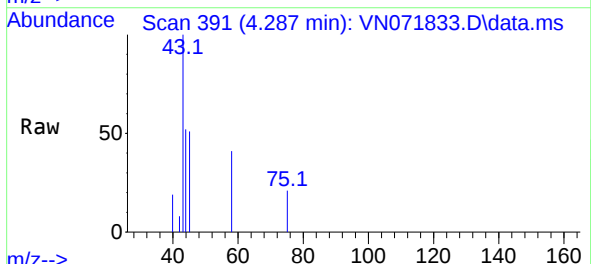
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 ClientSampleId :  
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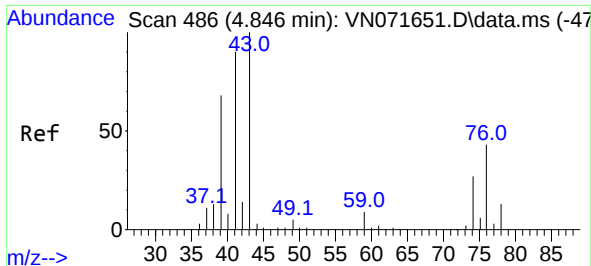
Tgt Ion: 41 Resp: 1837  
 Ion Ratio Lower Upper  
 41 100  
 39 72.9 53.2 79.8  
 76 3.0 29.9 44.9#



#16  
 Acetone  
 Concen: 1.727 ug/l  
 RT: 4.287 min Scan# 391  
 Delta R.T. 0.012 min  
 Lab File: VN071833.D  
 Acq: 04 Apr 2022 15:53

Tgt Ion: 43 Resp: 5322  
 Ion Ratio Lower Upper  
 43 100  
 58 40.8 26.0 39.0#

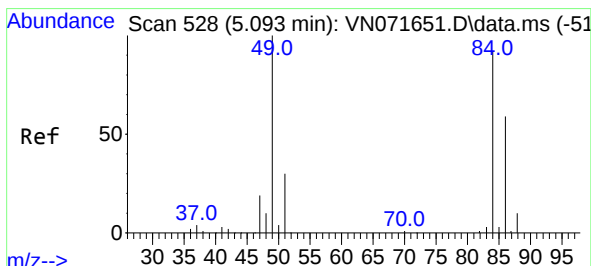
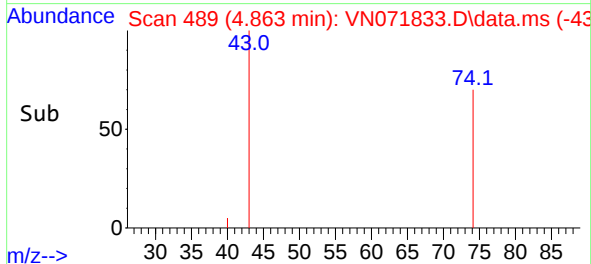
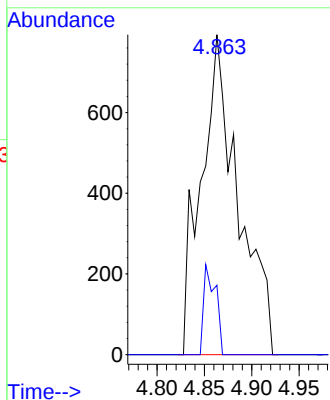
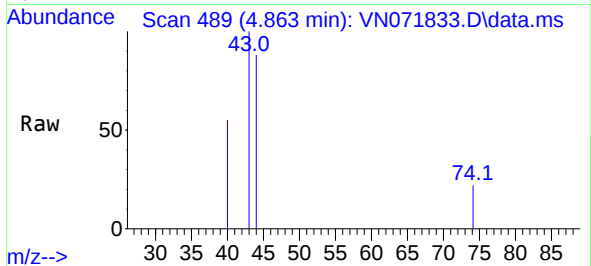




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.863 min Scan# 41  
Delta R.T. 0.017 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

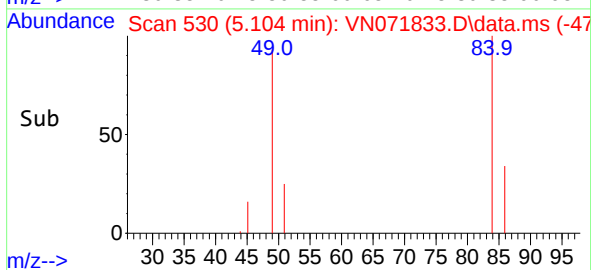
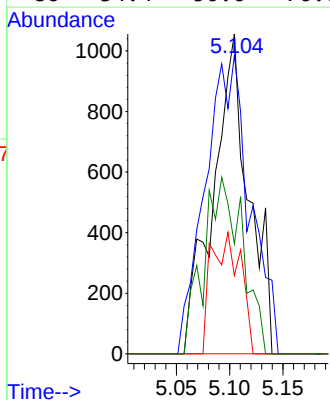
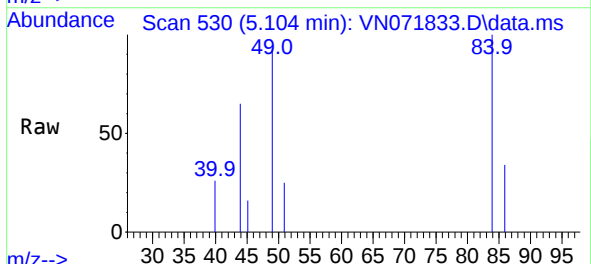
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ClientSampleId :  
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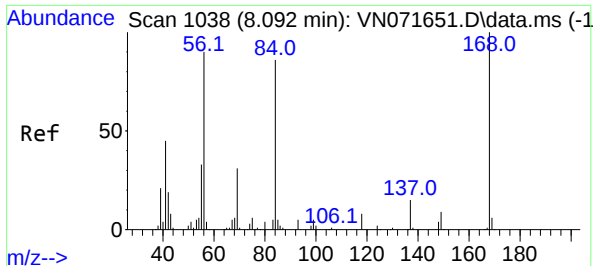
Tgt Ion: 43 Resp: 2170  
Ion Ratio Lower Upper  
43 100  
74 8.9 21.6 32.4#



#20  
Methylene Chloride  
Concen: 0.380 ug/l  
RT: 5.104 min Scan# 530  
Delta R.T. 0.011 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 84 Resp: 2468  
Ion Ratio Lower Upper  
84 100  
49 93.2 88.3 132.5  
51 24.5 28.2 42.2#  
86 34.4 50.6 76.0#

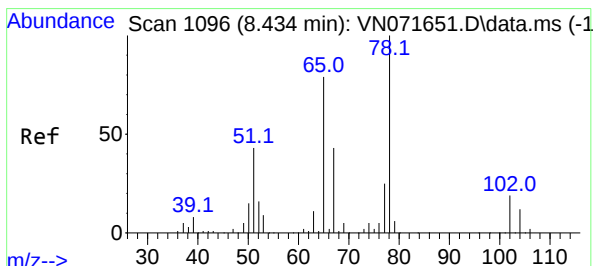
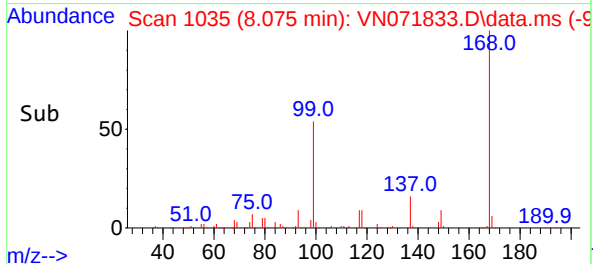
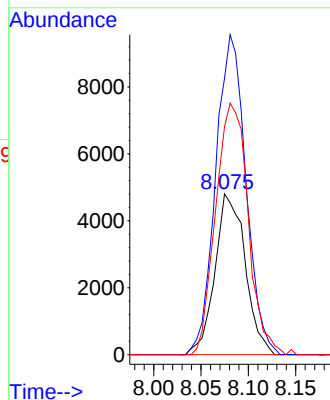
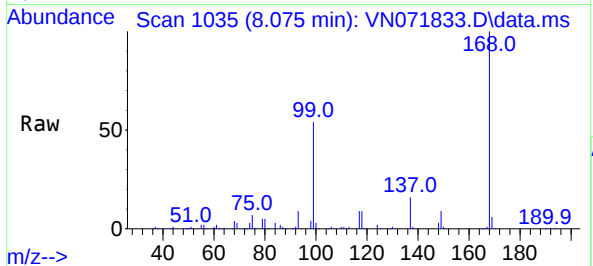




#31  
Cyclohexane  
Concen: 1.089 ug/l  
RT: 8.075 min Scan# 1035  
Delta R.T. -0.017 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

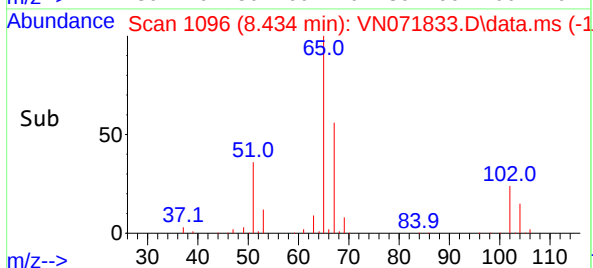
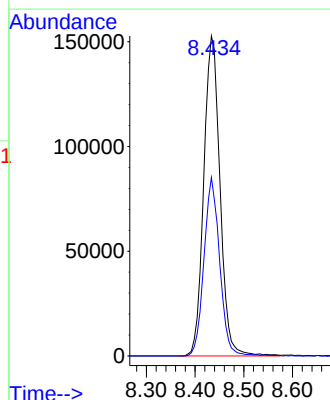
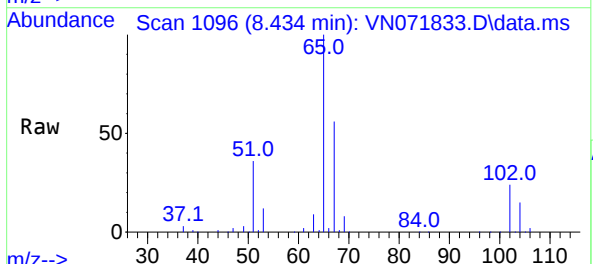
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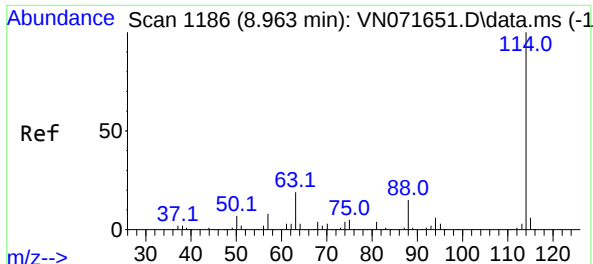
Tgt Ion: 56 Resp: 10679  
Ion Ratio Lower Upper  
56 100  
69 171.9 27.8 41.8#  
84 141.9 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.150 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 65 Resp: 354484  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 104.8

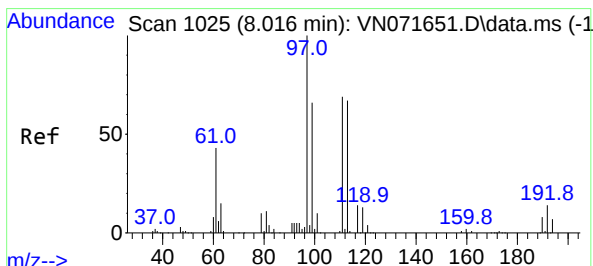
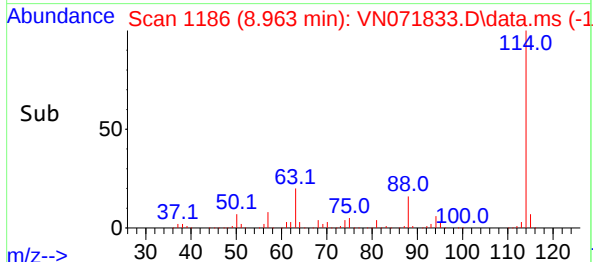
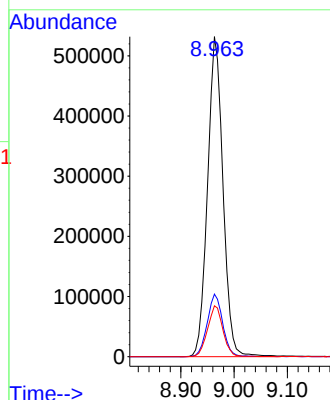
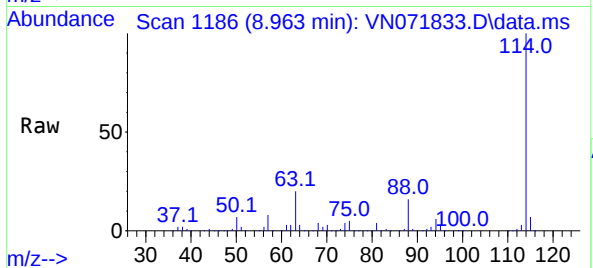




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

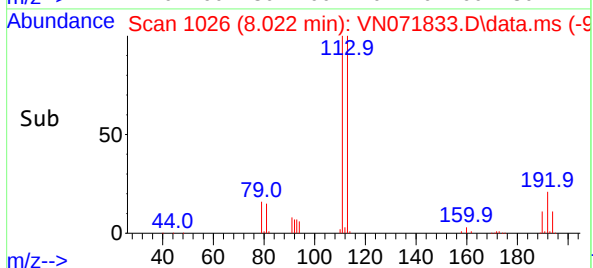
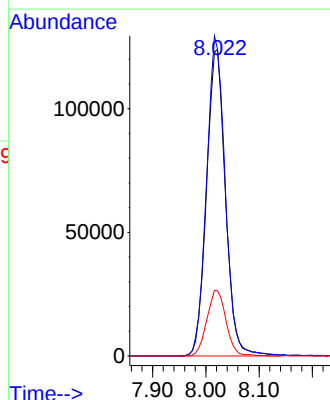
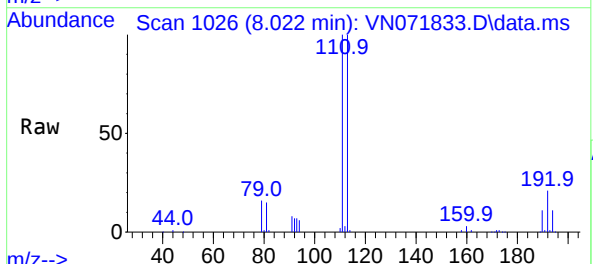
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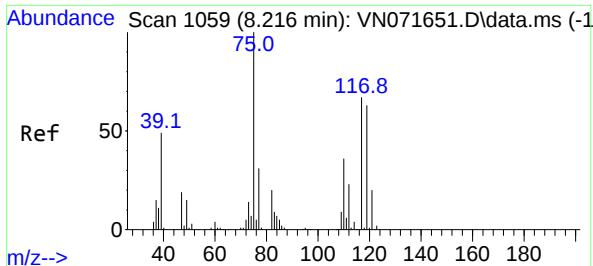
Tgt Ion:114 Resp: 1072835  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 40.0  
88 15.9 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 48.405 ug/l  
RT: 8.022 min Scan# 1026  
Delta R.T. 0.006 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion:113 Resp: 305583  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.4 122.0  
192 21.6 17.0 25.6

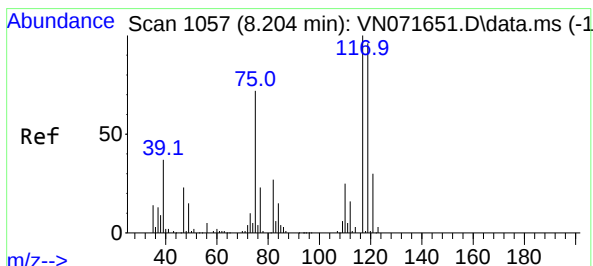
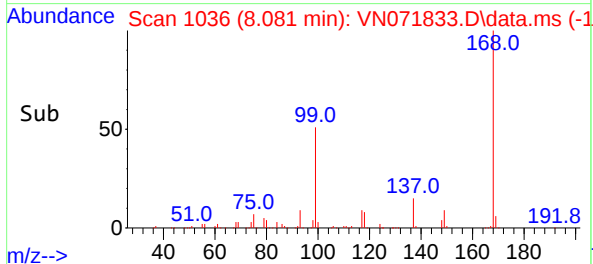
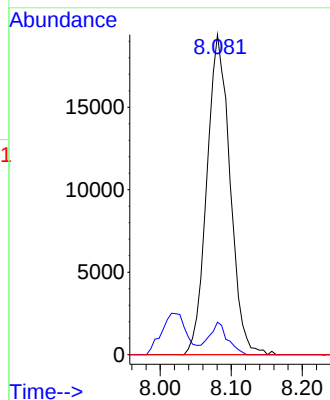
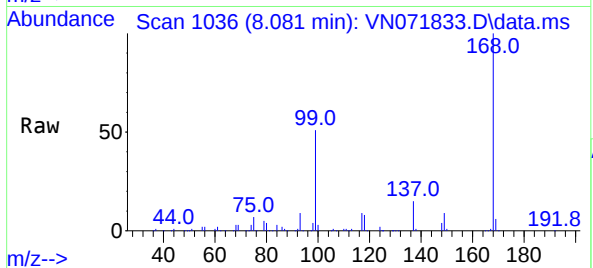




#36  
1,1-Dichloropropene  
Concen: 4.995 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

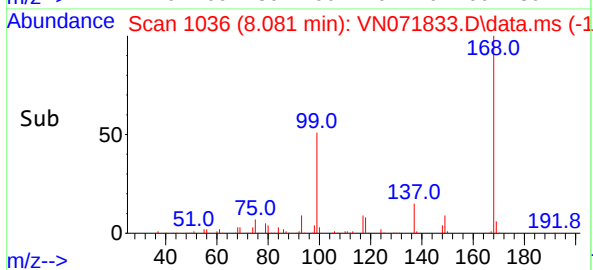
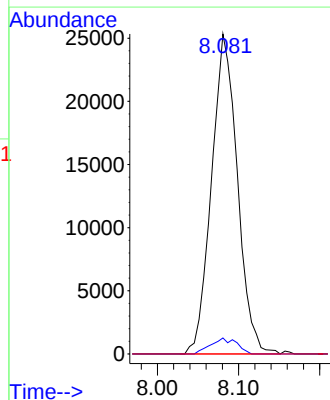
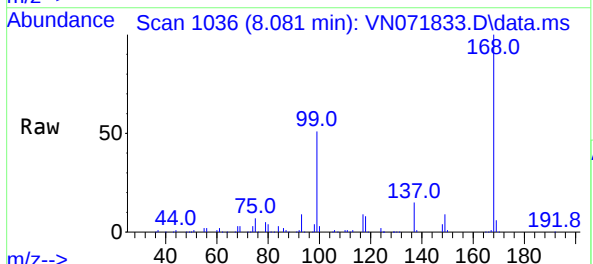
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

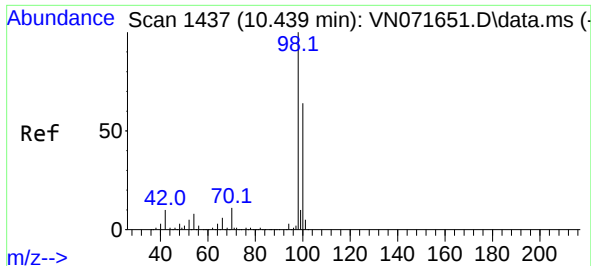
Tgt Ion: 75 Resp: 44036  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.498 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.123 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 117 Resp: 56144  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.8 113.8#  
121 0.0 24.6 37.0#

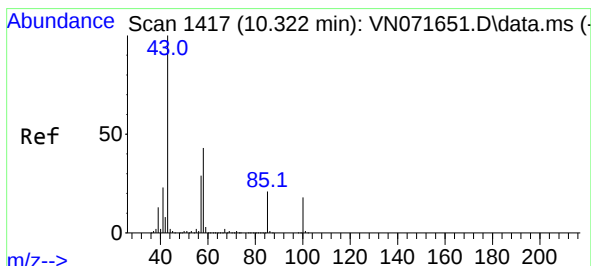
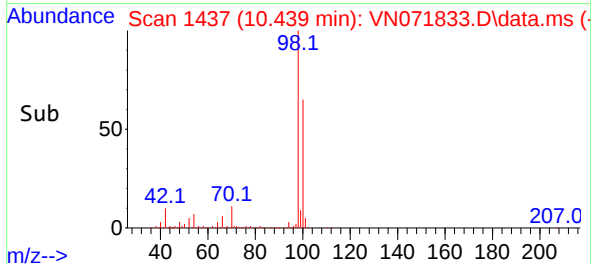
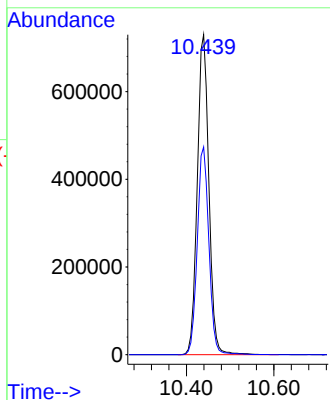
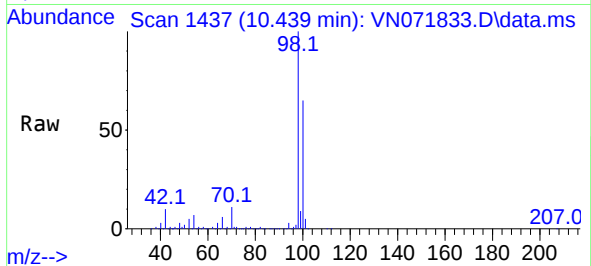




#50  
Toluene-d8  
Concen: 52.108 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

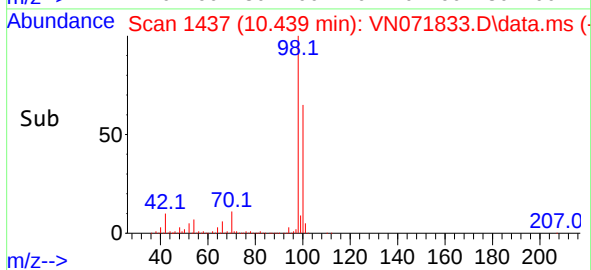
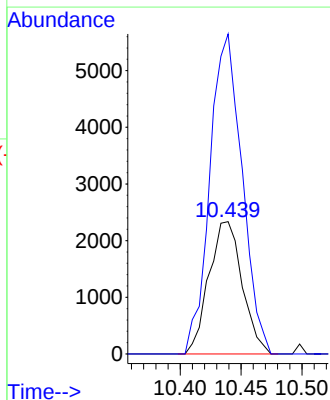
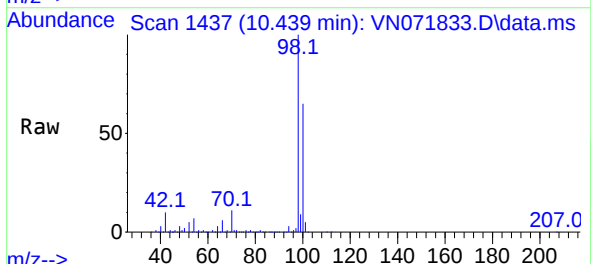
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

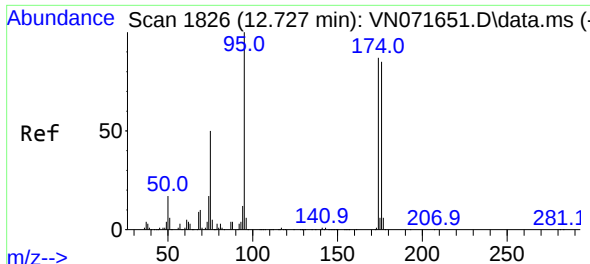
Tgt Ion: 98 Resp: 1345700  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.481 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.117 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 43 Resp: 4438  
Ion Ratio Lower Upper  
43 100  
58 233.8 34.1 51.1#

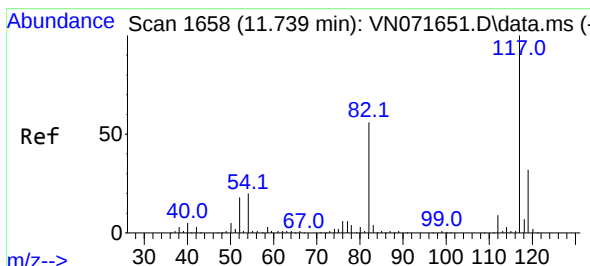
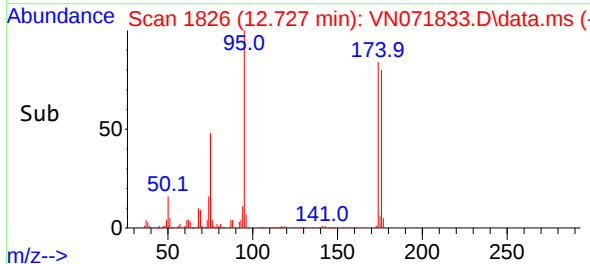
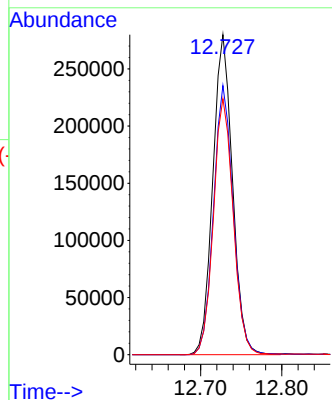
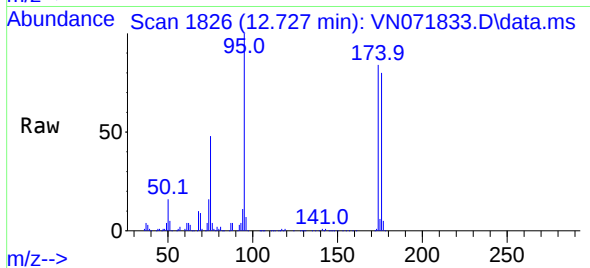




#62  
4-Bromofluorobenzene  
Concen: 56.490 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

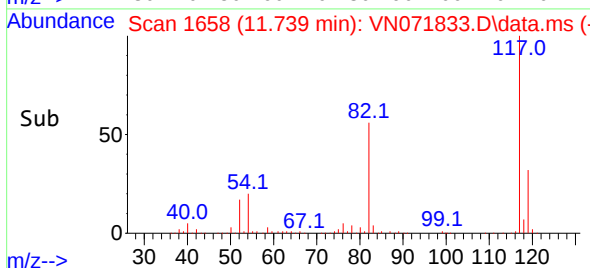
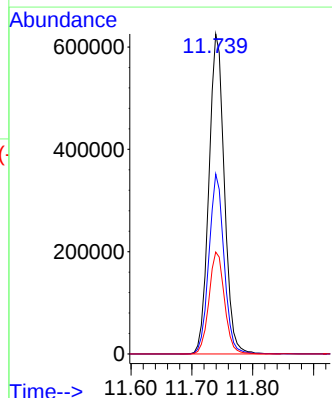
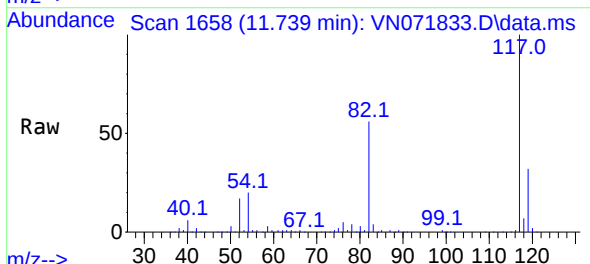
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-SOIL-REF-6RE

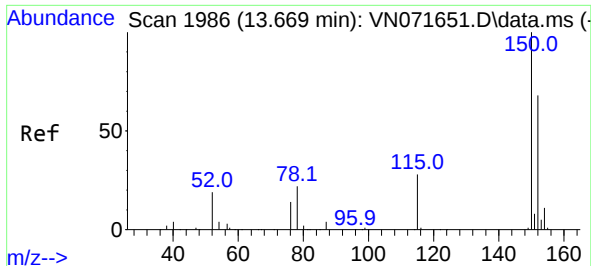
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 471815 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 84.2  | 0.0   | 167.6  |
| 176      | 80.5  | 0.0   | 163.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 117   | Resp: | 1099903 |
| Ion      | Ratio | Lower | Upper   |
| 117      | 100   |       |         |
| 82       | 56.2  | 44.2  | 66.2    |
| 119      | 31.8  | 25.4  | 38.0    |

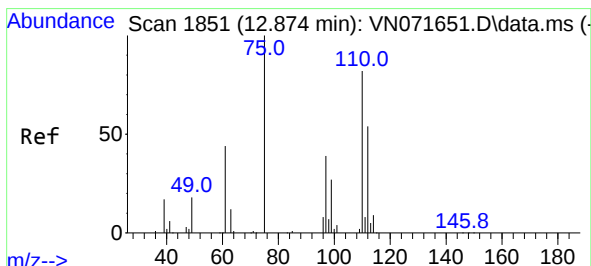
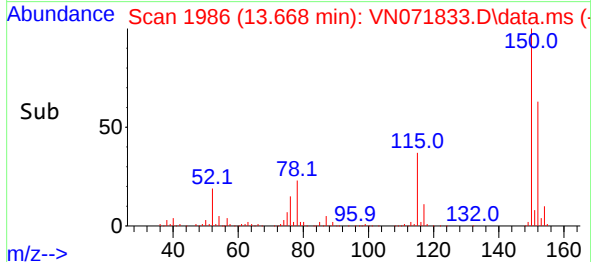
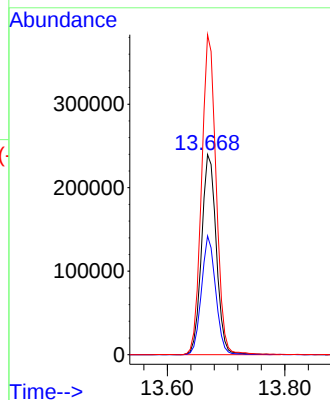
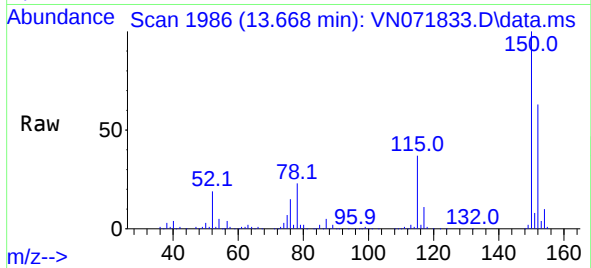




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

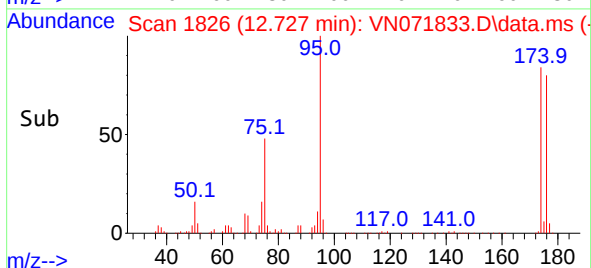
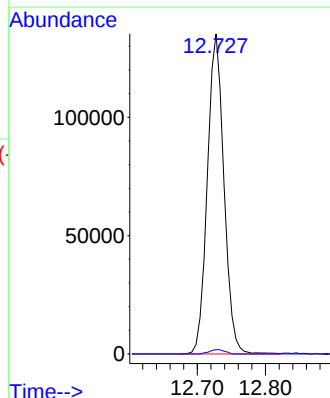
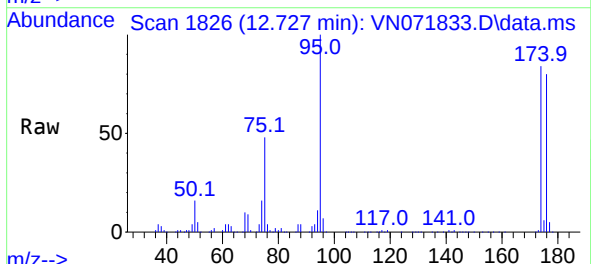
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

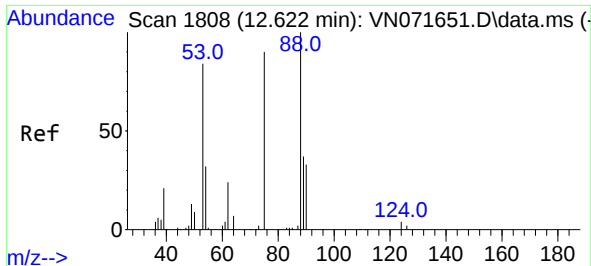
Tgt Ion:152 Resp: 416166  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.9 86.7  
150 158.2 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 23.761 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion: 75 Resp: 229079  
Ion Ratio Lower Upper  
75 100  
77 1.3 98.5 295.5#

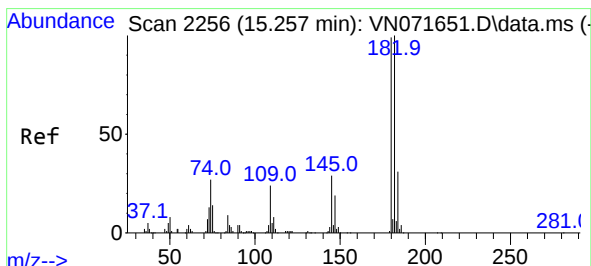
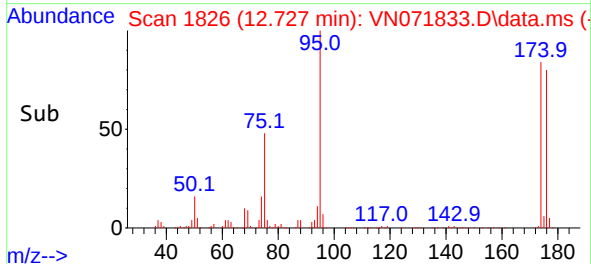
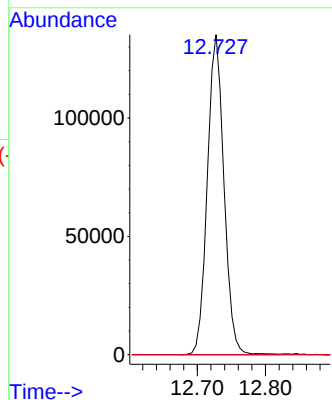
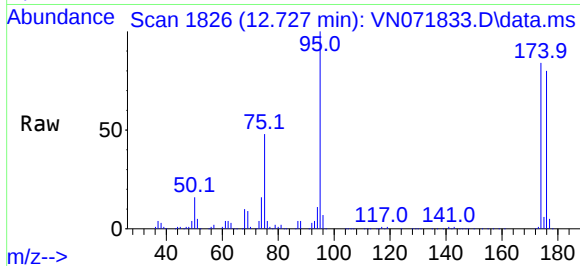




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.636 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

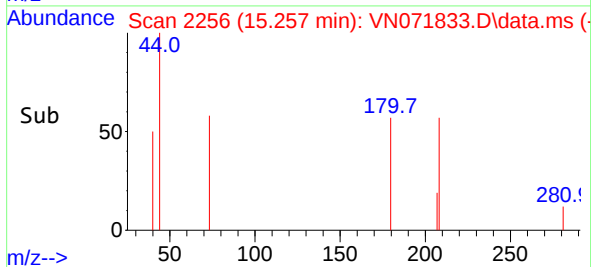
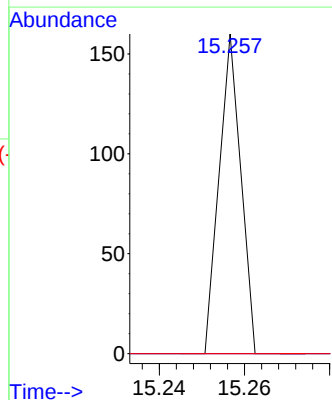
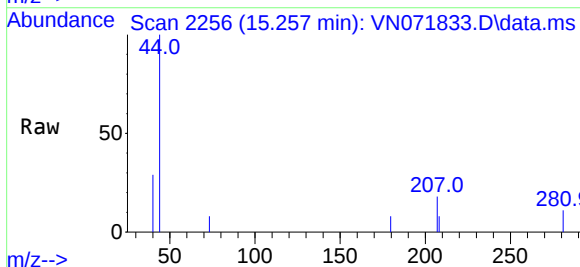
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

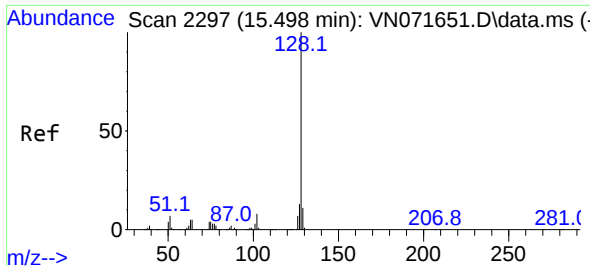
Tgt Ion: 75 Resp: 229079  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.094 ug/l  
RT: 15.257 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Tgt Ion:180 Resp: 56  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.5 142.5#  
145 0.0 14.5 43.5#

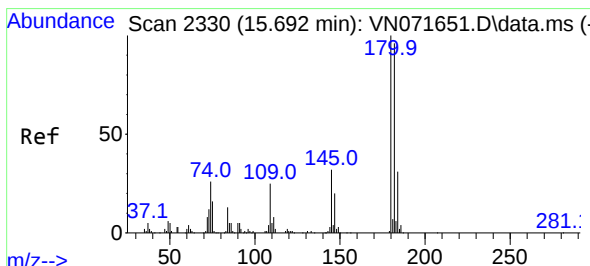
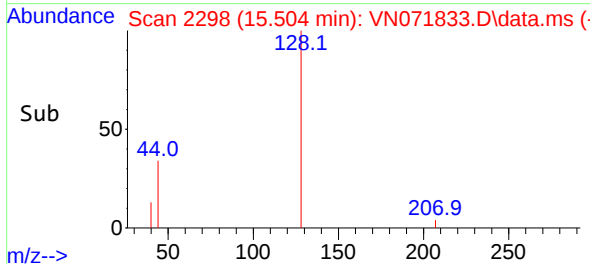
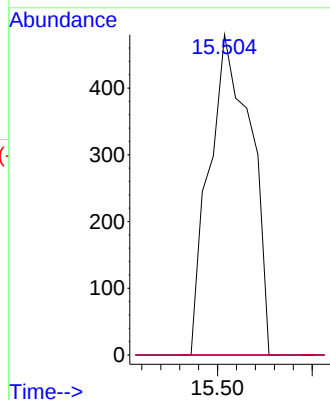
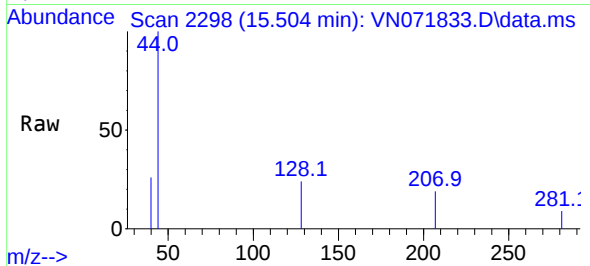




#95  
Naphthalene  
Concen: 3.839 ug/l  
RT: 15.504 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 733   |
| 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: 2.424 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. 0.006 min  
Lab File: VN071833.D  
Acq: 04 Apr 2022 15:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 68     |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 0.0   | 47.8  | 143.3# |
| 145      | 0.0   | 15.5  | 46.5#  |

