

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062521\  
 Data File : VW019333.D  
 Acq On : 25 Jun 2021 16:59  
 Operator : SY/VA  
 Sample : M2869-06  
 Misc : 5.26G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

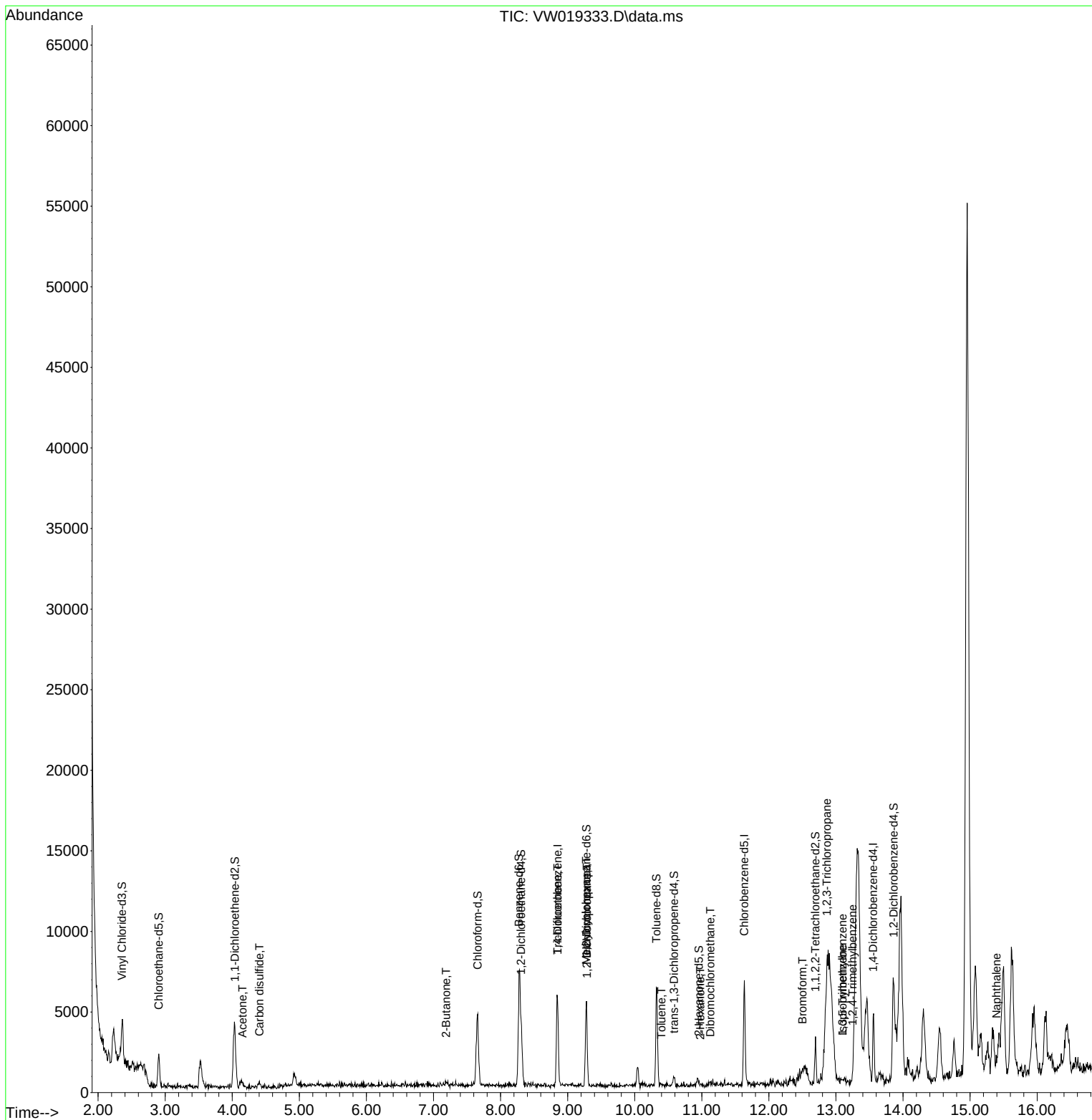
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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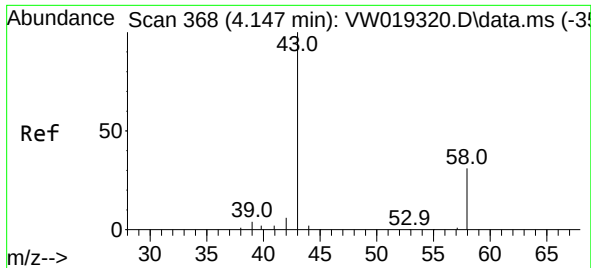
Quant Time: Jun 26 00:40:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 26 00:36:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 5076     | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 3747     | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 1210     | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 2689     | 40.062   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 160.240%# |
| 7) Chloroethane-d5            | 2.904  | 69    | 2080     | 36.384   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 145.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.038  | 63    | 3918     | 29.379   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 117.520%# |
| 21) 2-Butanone-d5             | 0.000  | 46    | 0        | 0.000    | ug/L   |           |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.000%#   |
| 24) Chloroform-d              | 7.659  | 84    | 4751     | 34.814   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 139.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 2278     | 29.759   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 119.040%  |
| 32) Benzene-d6                | 8.275  | 84    | 7271     | 34.059   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 136.240%# |
| 36) 1,2-Dichloropropane-d6    | 9.281  | 67    | 2323     | 35.894   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 143.560%# |
| 41) Toluene-d8                | 10.323 | 98    | 4575     | 23.335   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.320%   |
| 43) trans-1,3-Dichloroprop... | 10.585 | 79    | 460      | 16.411   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 65.640%   |
| 47) 2-Hexanone-d5             | 10.957 | 63    | 23       | 2.096    | ug/L   | 0.03      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 4.200%#   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 1520     | 28.471   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.859 | 152   | 1426     | 33.765   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 135.040%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.154  | 43    | 242      | 15.533   | ug/L   | 63        |
| 14) Carbon disulfide          | 4.404  | 76    | 583      | 2.563    | ug/L # | 75        |
| 22) 2-Butanone                | 7.190  | 43    | 213      | 10.225   | ug/L # | 45        |
| 34) Trichloroethene           | 8.848  | 95    | 103      | 1.603    | ug/L # | 5         |
| 35) Methylcyclohexane         | 9.275  | 83    | 598      | 5.409    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 9.287  | 63    | 301      | 4.972    | ug/L # | 85        |
| 42) Toluene                   | 10.396 | 91    | 102      | 0.385    | ug/L # | 23        |
| 48) 2-Hexanone                | 10.975 | 43    | 23       | 0.949    | ug/L # | 39        |
| 49) Dibromochloromethane      | 11.128 | 129   | 49       | 0.970    | ug/L # | 13        |
| 59) Bromoform                 | 12.500 | 173   | 50       | 2.682    | ug/L # | 37        |
| 60) Isopropylbenzene          | 13.097 | 105   | 64       | 0.353    | ug/L # | 1         |
| 61) 1,2,3-Trichloropropane    | 12.865 | 75    | 129      | 4.765    | ug/L # | 1         |
| 62) 1,3,5-Trimethylbenzene    | 13.097 | 105   | 64       | 0.430    | ug/L # | 75        |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 56       | 0.377    | ug/L # | 32        |
| 71) Naphthalene               | 15.395 | 128   | 65       | 0.695    | ug/L # | 69        |
| -----                         |        |       |          |          |        |           |

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

Quant Time: Jun 26 00:40:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Jun 26 00:36:39 2021  
Response via : Initial Calibration

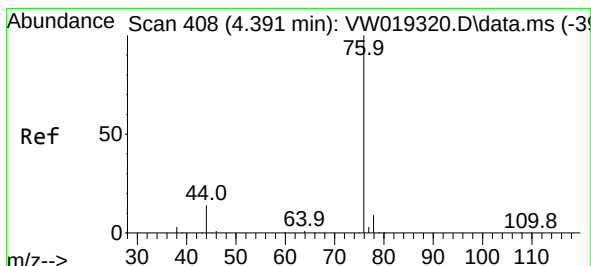
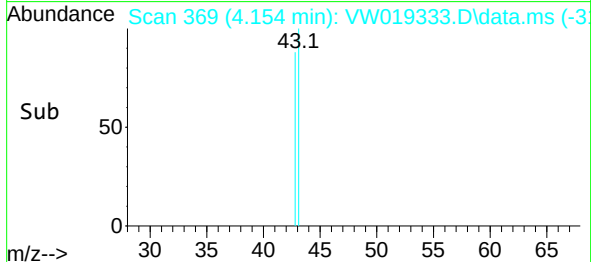
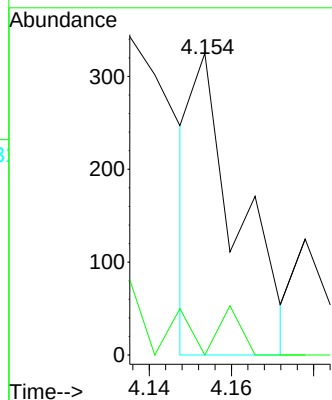
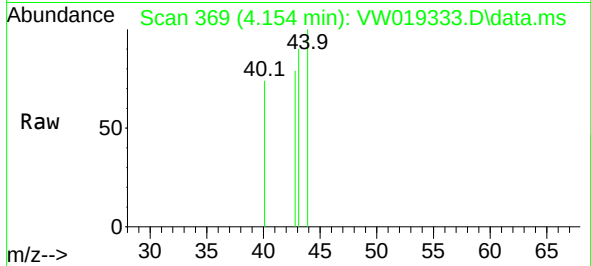




#13  
Acetone  
Concen: 15.533 ug/L  
RT: 4.154 min Scan# 369  
Delta R.T. 0.006 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

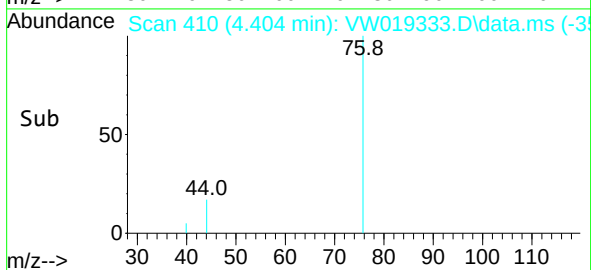
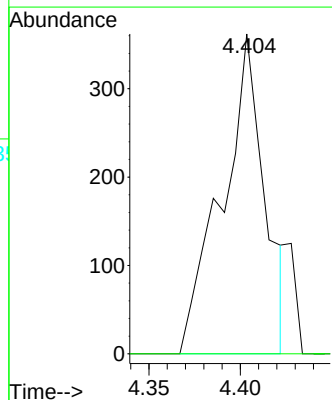
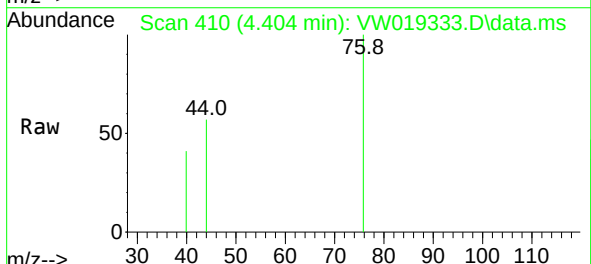
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MSVOA\_W  
ClientSampled :  
BGDX4

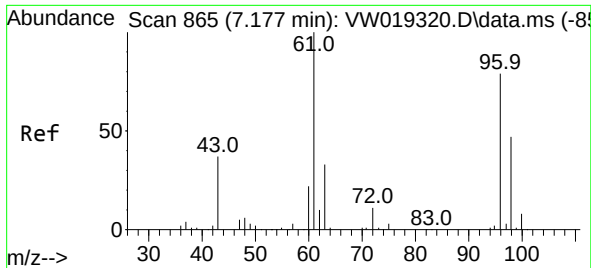
Tgt Ion: 43 Resp: 242  
Ion Ratio Lower Upper  
43 100  
58 7.9 0.0 53.8



#14  
Carbon disulfide  
Concen: 2.563 ug/L  
RT: 4.404 min Scan# 410  
Delta R.T. 0.012 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

Tgt Ion: 76 Resp: 583  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#

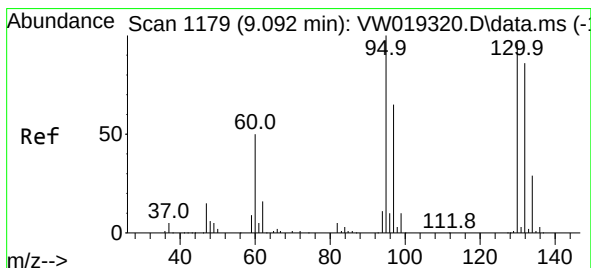
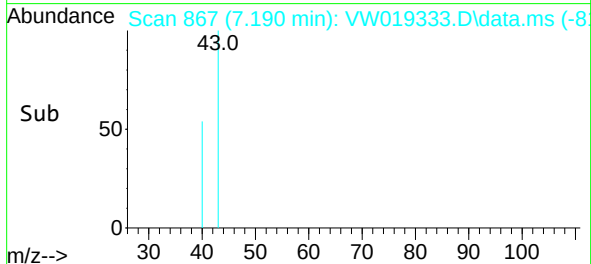
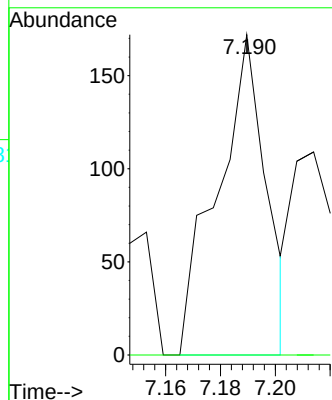
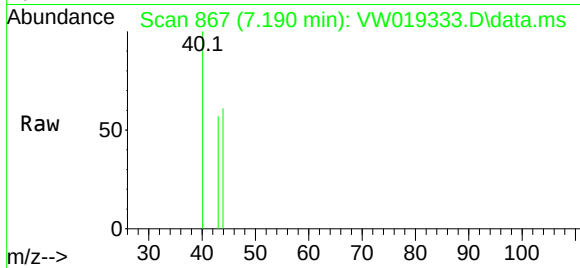




#22  
2-Butanone  
Concen: 10.225 ug/L  
RT: 7.190 min Scan# 867  
Delta R.T. 0.012 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

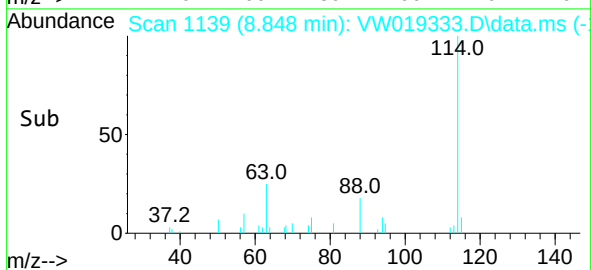
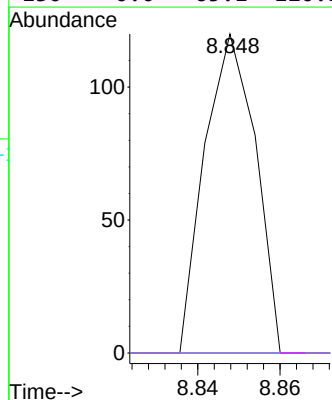
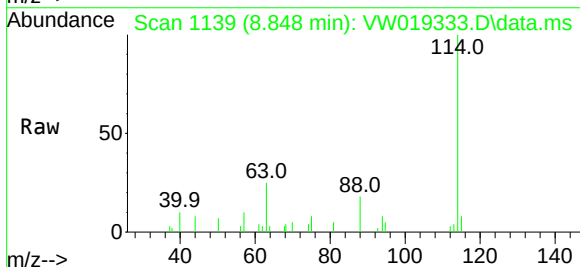
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MSVOA\_W  
ClientSampled :  
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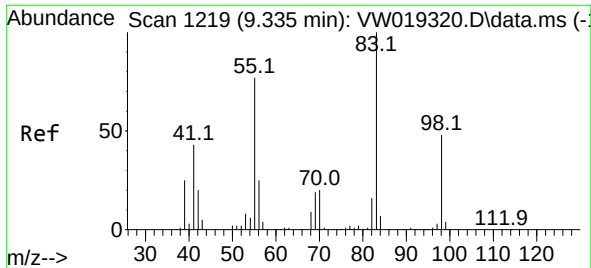
Tgt Ion: 43 Resp: 213  
Ion Ratio Lower Upper  
43 100  
72 0.0 14.9 44.7#



#34  
Trichloroethene  
Concen: 1.603 ug/L  
RT: 8.848 min Scan# 1139  
Delta R.T. -0.244 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

Tgt Ion: 95 Resp: 103  
Ion Ratio Lower Upper  
95 100  
97 0.0 47.3 87.8#  
132 0.0 71.0 131.8#  
130 0.0 65.1 120.9#

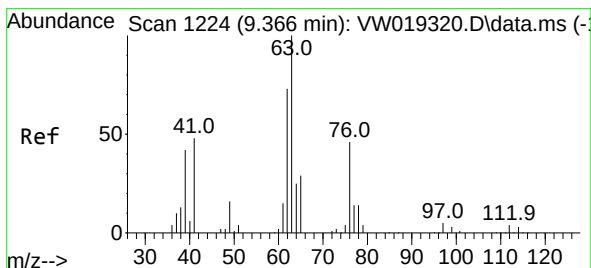
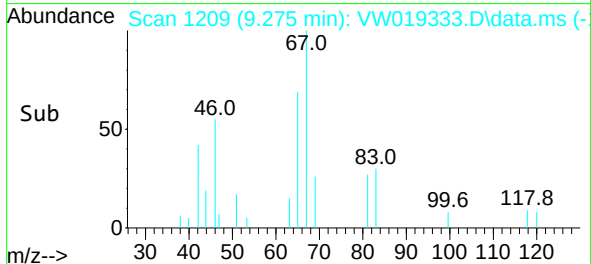
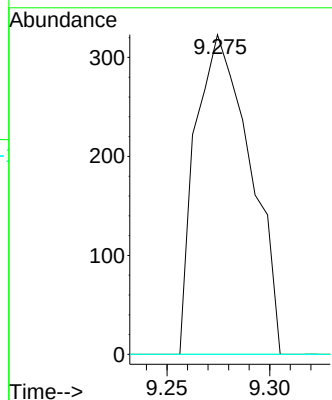
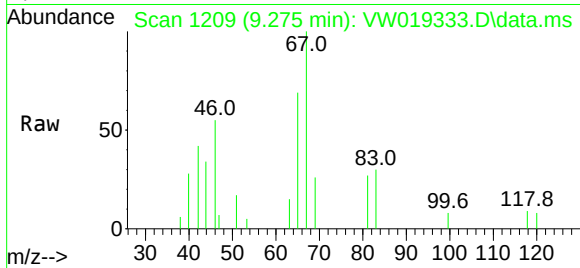




#35  
Methylcyclohexane  
Concen: 5.409 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

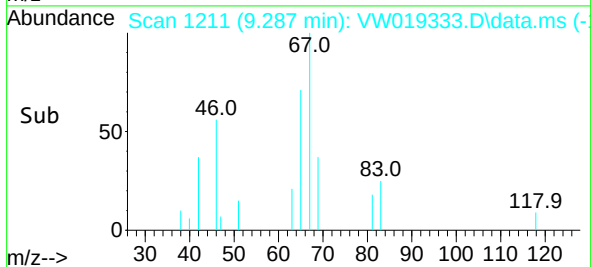
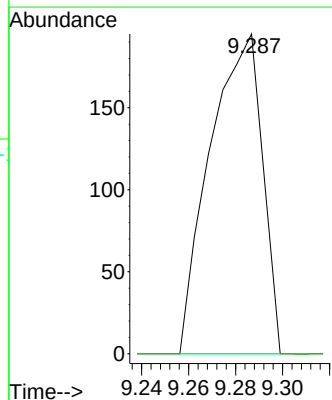
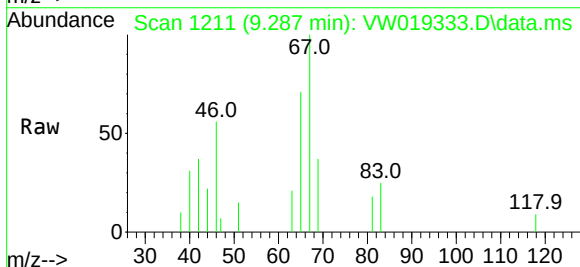
Instrument :  
MSVOA\_W  
ClientSampleId :  
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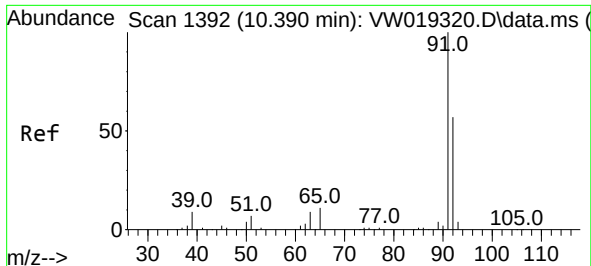
Tgt Ion: 83 Resp: 598  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.9 88.3#  
98 0.0 40.1 60.1#



#37  
1,2-Dichloropropane  
Concen: 4.972 ug/L  
RT: 9.287 min Scan# 1211  
Delta R.T. -0.079 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

Tgt Ion: 63 Resp: 301  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.9 5.9#

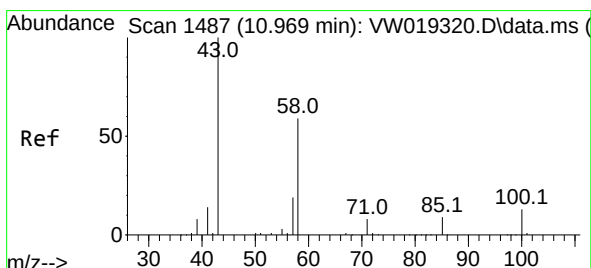
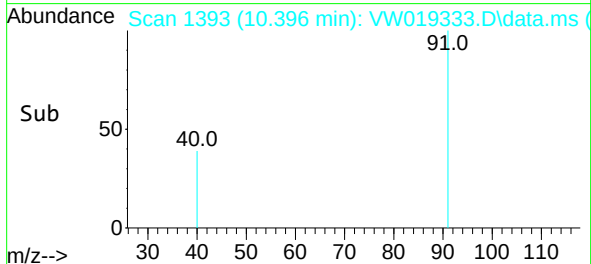
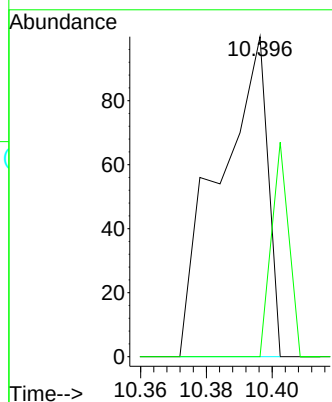
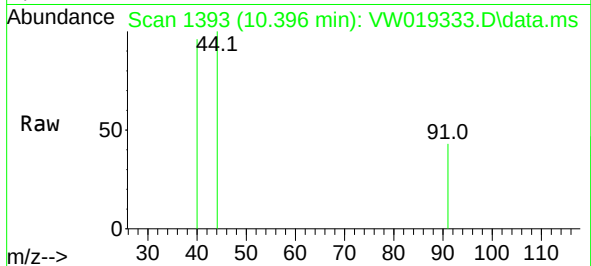




#42  
Toluene  
Concen: 0.385 ug/L  
RT: 10.396 min Scan# 1393  
Delta R.T. 0.006 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

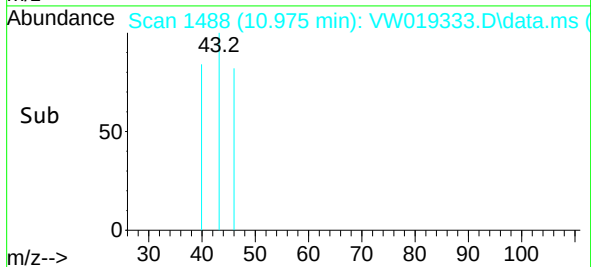
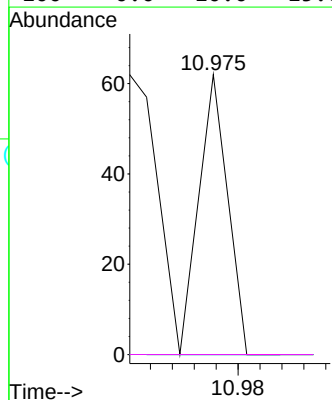
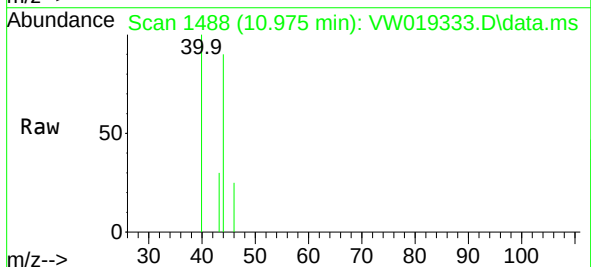
Instrument :  
MSVOA\_W  
ClientSampled :  
BGDX4

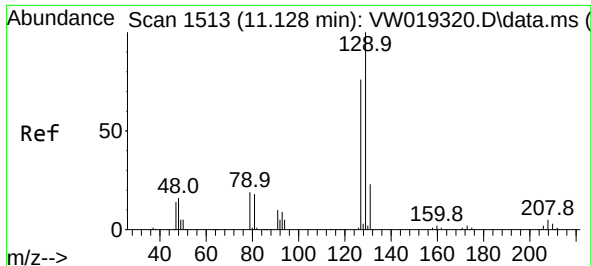
Tgt Ion: 91 Resp: 102  
Ion Ratio Lower Upper  
91 100  
92 0.0 39.5 73.3#



#48  
2-Hexanone  
Concen: 0.949 ug/L  
RT: 10.975 min Scan# 1488  
Delta R.T. 0.006 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

Tgt Ion: 43 Resp: 23  
Ion Ratio Lower Upper  
43 100  
58 0.0 42.7 64.1#  
57 0.0 15.8 23.8#  
100 0.0 10.0 15.0#





#49

Dibromochloromethane

Concen: 0.970 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW019333.D

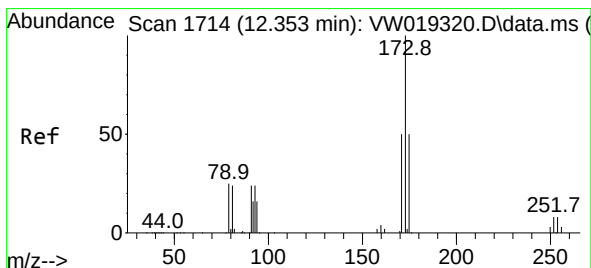
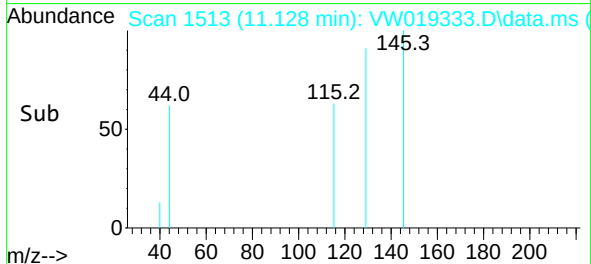
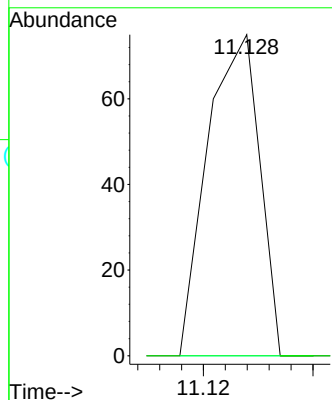
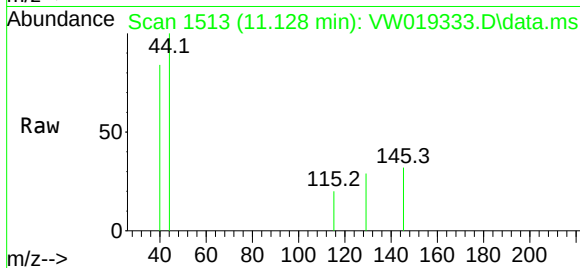
Acq: 25 Jun 2021 16:59

Tgt Ion:129 Resp: 49

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



#59

Bromoform

Concen: 2.682 ug/L

RT: 12.500 min Scan# 1738

Delta R.T. 0.146 min

Lab File: VW019333.D

Acq: 25 Jun 2021 16:59

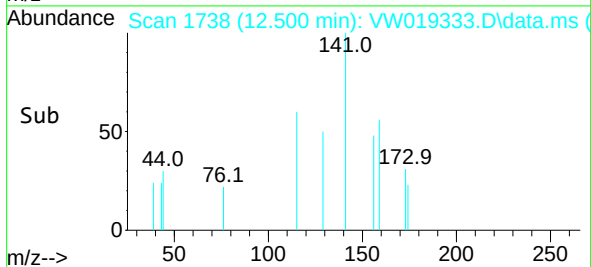
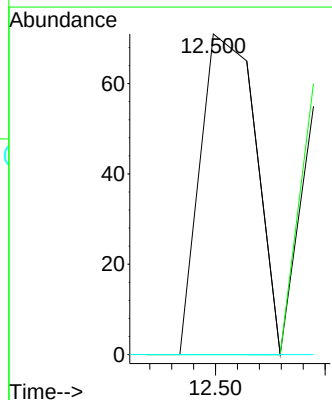
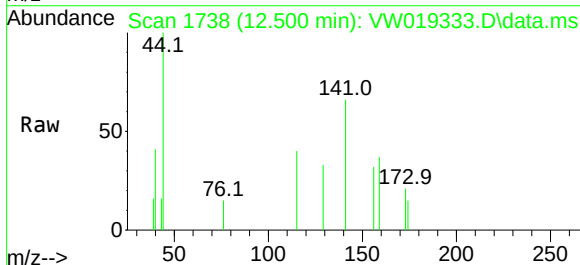
Tgt Ion:173 Resp: 50

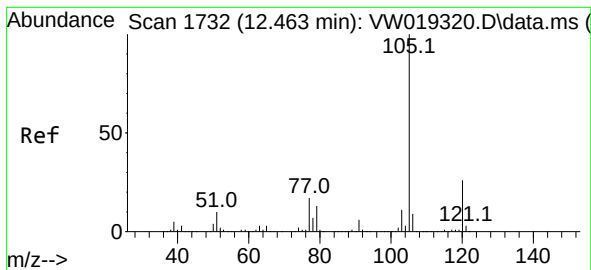
Ion Ratio Lower Upper

173 100

175 0.0 37.5 56.3#

254 0.0 7.0 10.4#

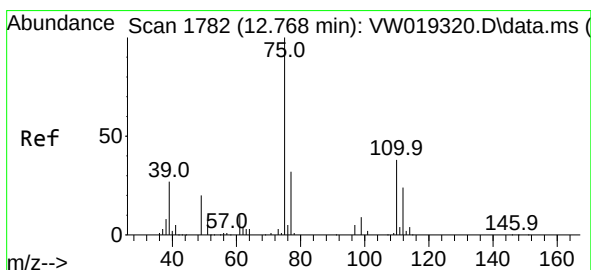
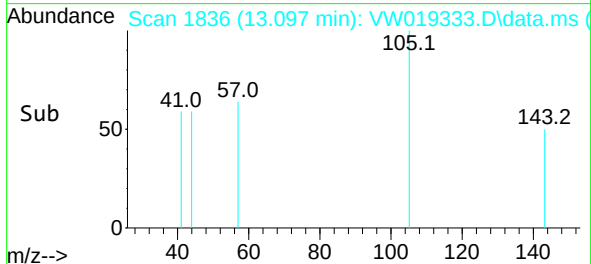
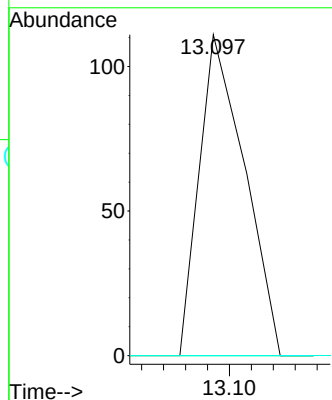
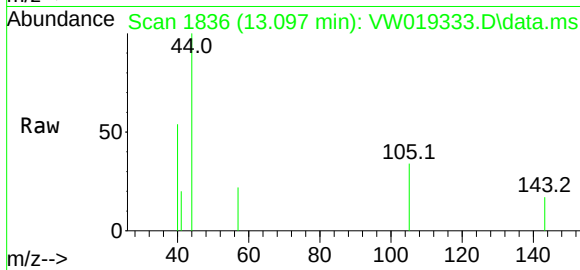




#60  
Isopropylbenzene  
Concen: 0.353 ug/L  
RT: 13.097 min Scan# 1836  
Delta R.T. 0.634 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

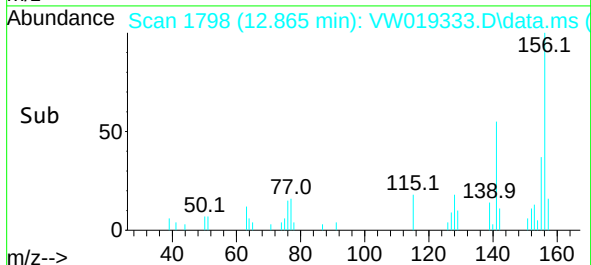
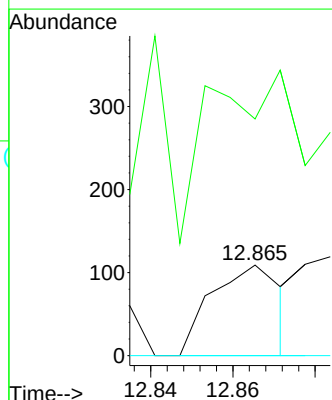
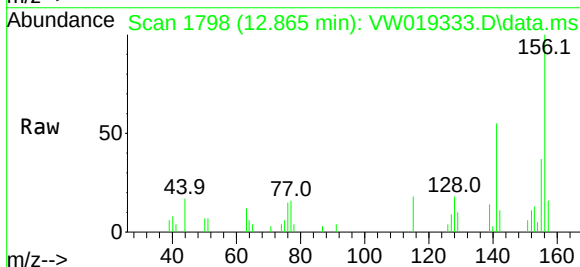
Instrument :  
MSVOA\_W  
ClientSampled :  
BGDX4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 64    |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 0.0   | 21.1  | 31.7# |
| 77       | 248.4 | 13.2  | 19.8# |

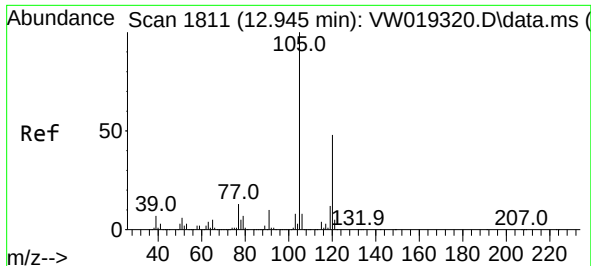


#61  
1,2,3-Trichloropropane  
Concen: 4.765 ug/L  
RT: 12.865 min Scan# 1798  
Delta R.T. 0.098 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 129   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 139.5 | 25.3  | 37.9# |
| 110      | 0.0   | 32.6  | 48.8# |



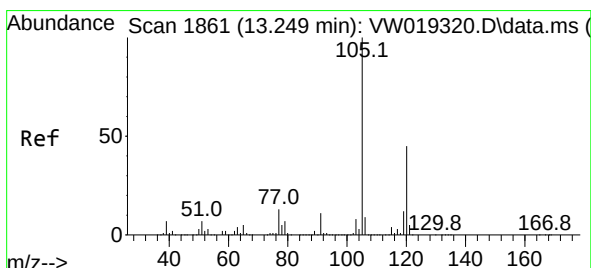
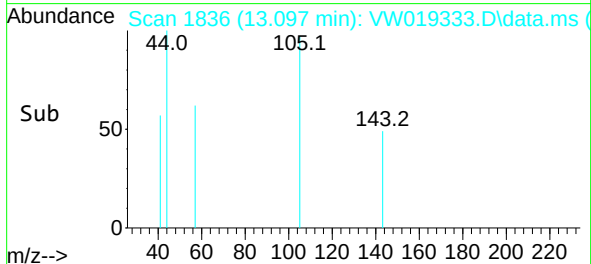
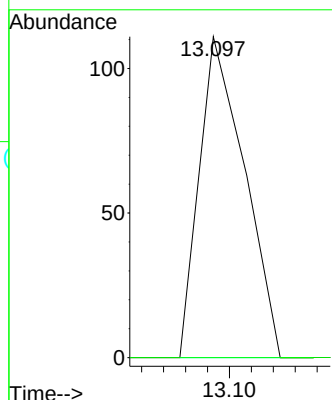
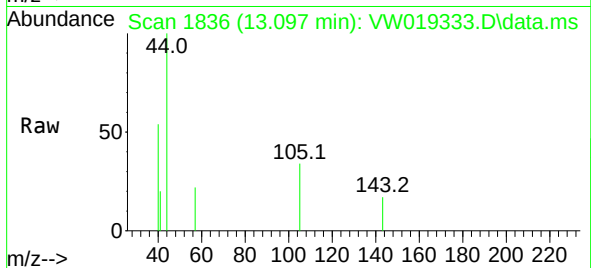




#62  
1,3,5-Trimethylbenzene  
Concen: 0.430 ug/L  
RT: 13.097 min Scan# 1836  
Delta R.T. 0.152 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

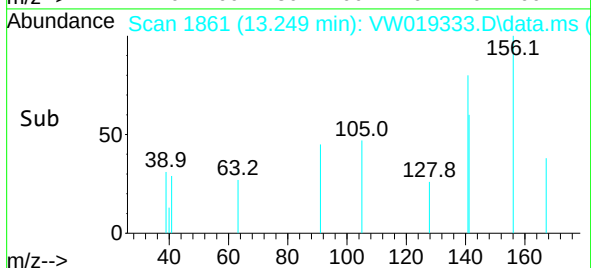
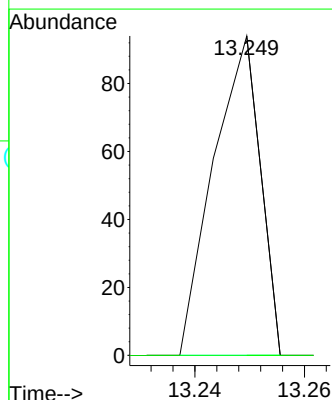
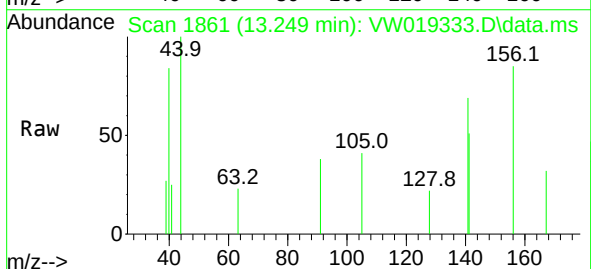
Instrument :  
MSVOA\_W  
ClientSampleId :  
BGDX4

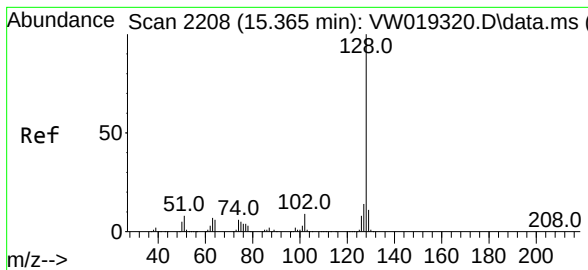
Tgt Ion:105 Resp: 64  
Ion Ratio Lower Upper  
105 100  
120 65.6 39.0 58.6#



#63  
1,2,4-Trimethylbenzene  
Concen: 0.377 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

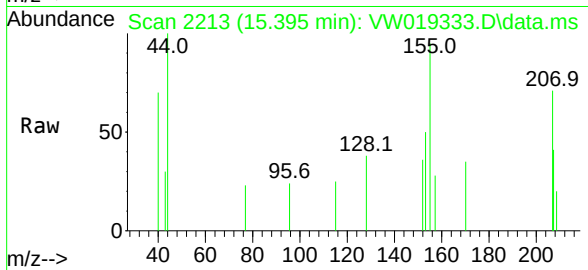
Tgt Ion:105 Resp: 56  
Ion Ratio Lower Upper  
105 100  
120 0.0 35.6 53.4#





#71  
Naphthalene  
Concen: 0.695 ug/L  
RT: 15.395 min Scan# 2213  
Delta R.T. 0.031 min  
Lab File: VW019333.D  
Acq: 25 Jun 2021 16:59

Instrument :  
MSVOA\_W  
ClientSampled :  
BGDX4



Tgt Ion:128 Resp: 65  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 9.0 13.6#

