

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021521\  
 Data File : VW018137.D  
 Acq On : 15 Feb 2021 15:52  
 Operator : SY/VA  
 Sample : M1370-11RE  
 Misc : 5.74G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBGY7RE

Quant Time: Feb 16 02:25:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 16 02:20:15 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 8.842  | 114  | 388374   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.634 | 117  | 268363   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.560 | 152  | 75475    | 25.00 | ug/L  | 0.00     |

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds   |        |       |          |          |      |         |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 71382    | 14.79    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 59.16%  |
| 7) Chloroethane-d5            | 2.891  | 69    | 69372    | 18.11    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 72.44%  |
| 10) 1,1-Dichloroethene-d2     | 4.025  | 63    | 122235   | 12.67    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 50.68%  |
| 20) 2-Butanone-d5             | 7.074  | 46    | 46452    | 36.06    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 72.12%  |
| 24) Chloroform-d              | 7.647  | 84    | 203505   | 19.97    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 79.88%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 99002    | 18.24    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 72.96%  |
| 29) Benzene-d6                | 8.275  | 84    | 390397   | 26.49    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 105.96% |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67    | 110554   | 26.83    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 107.32% |
| 37) Toluene-d8                | 10.323 | 98    | 329303   | 23.49    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 93.96%  |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79    | 38073    | 20.38    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 81.52%  |
| 39) 2-Hexanone-d5             | 10.927 | 63    | 36291    | 46.06    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 92.12%  |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 68650    | 18.96    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 75.84%  |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 56046    | 20.82    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 83.28%  |

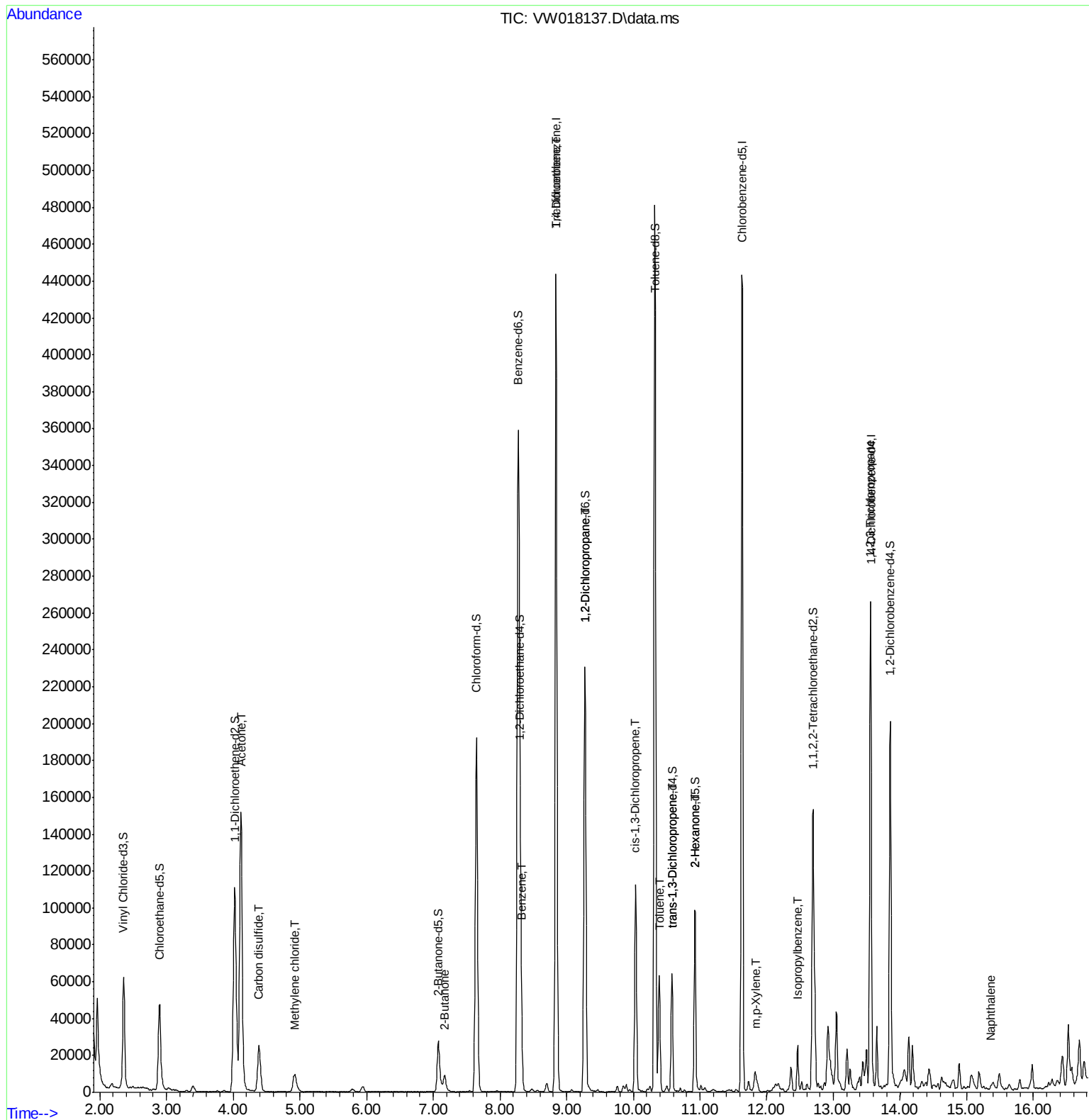
|                               |        |     |        |        |           |
|-------------------------------|--------|-----|--------|--------|-----------|
| Target Compounds              |        |     |        |        | Qvalue    |
| 13) Acetone                   | 4.117  | 43  | 258699 | 271.47 | ug/L 98   |
| 14) Carbon disulfide          | 4.385  | 76  | 53144  | 3.52   | ug/L 100  |
| 16) Methylene chloride        | 4.928  | 84  | 8962   | 1.44   | ug/L 86   |
| 21) 2-Butanone                | 7.171  | 43  | 15244  | 10.51  | ug/L 97   |
| 34) Benzene                   | 8.323  | 78  | 9506   | 0.61   | ug/L 100  |
| 35) Trichloroethene           | 8.842  | 95  | 11365  | 2.57   | ug/L # 3  |
| 40) 1,2-Dichloropropane       | 9.274  | 63  | 12479  | 3.47   | ug/L # 84 |
| 42) cis-1,3-Dichloropropene   | 10.030 | 75  | 2741   | 0.47   | ug/L # 73 |
| 44) Toluene                   | 10.390 | 91  | 48291  | 2.80   | ug/L 99   |
| 45) trans-1,3-Dichloropropene | 10.579 | 75  | 1579   | 0.31   | ug/L # 75 |
| 49) 2-Hexanone                | 10.927 | 43  | 4345   | 2.79   | ug/L # 59 |
| 54) m,p-Xylene                | 11.835 | 106 | 2311   | 0.31   | ug/L 79   |
| 57) Isopropylbenzene          | 12.463 | 105 | 14092  | 0.71   | ug/L # 95 |
| 59) 1,2,3-Trichloropropane    | 13.554 | 75  | 7512   | 2.73   | ug/L 92   |
| 69) Naphthalene               | 15.365 | 128 | 1448   | 0.24   | ug/L # 94 |

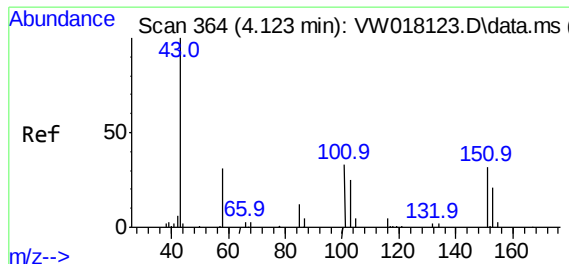
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021521\  
Data File : VW018137.D  
Acq On : 15 Feb 2021 15:52  
Operator : SY/VA  
Sample : M1370-11RE  
Misc : 5.74G/10ML/MSVOA\_W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGY7RE

Quant Time: Feb 16 02:25:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 16 02:20:15 2021  
Response via : Initial Calibration

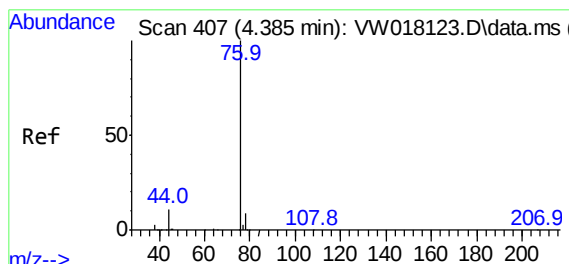
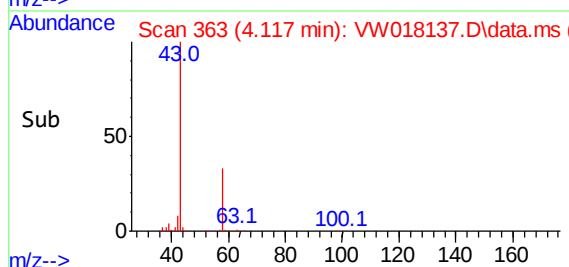
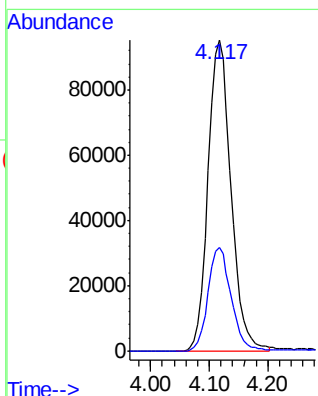
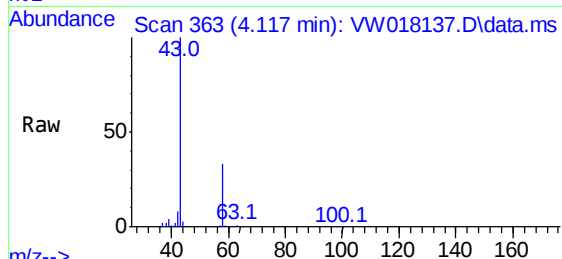




#13  
Acetone  
Concen: 271.47 ug/L  
RT: 4.117 min Scan# 363  
Delta R.T. -0.006 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

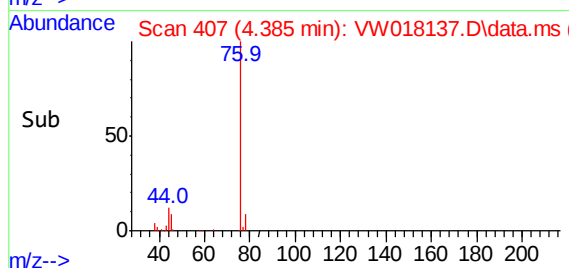
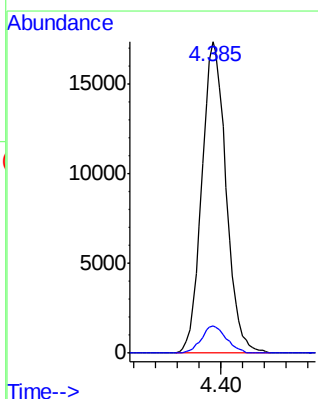
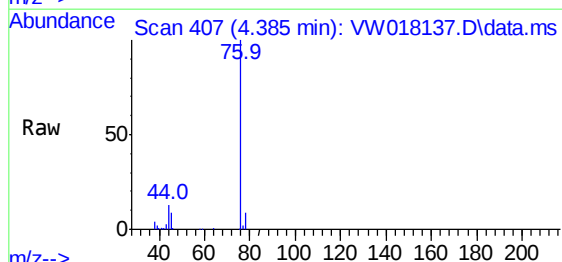
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGY7RE

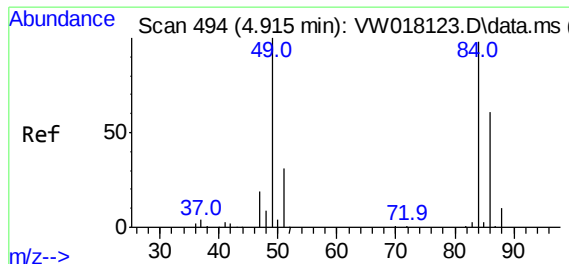
Tgt Ion: 43 Resp: 258699  
Ion Ratio Lower Upper  
43 100  
58 33.3 0.0 68.4



#14  
Carbon disulfide  
Concen: 3.52 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Tgt Ion: 76 Resp: 53144  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.0 10.4



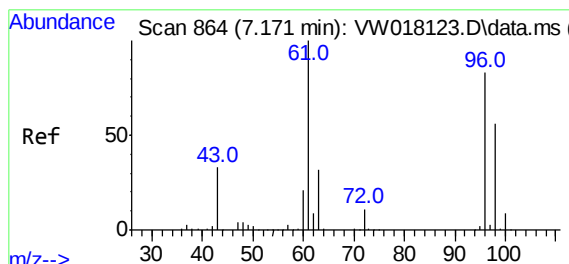
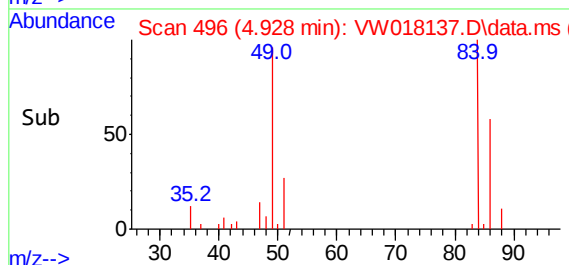
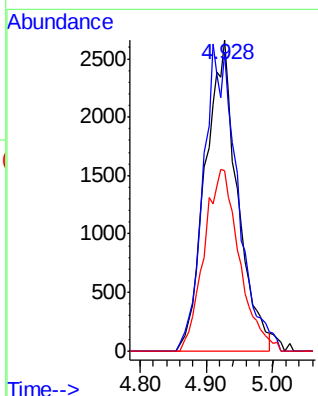
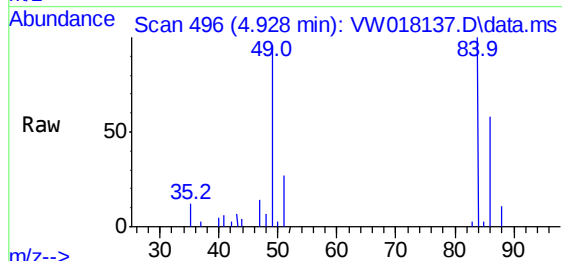


#16  
Methylene chloride  
Concen: 1.44 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. 0.012 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGY7RE

Tgt Ion: 84 Resp: 8962

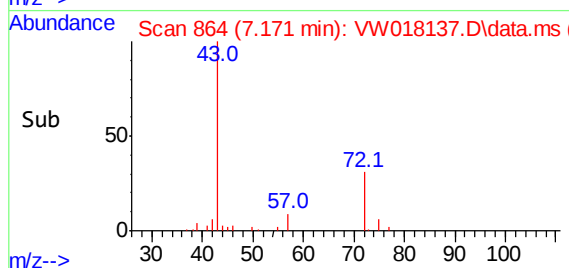
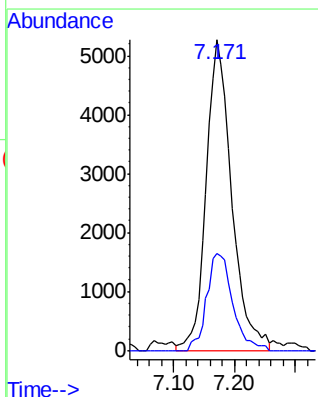
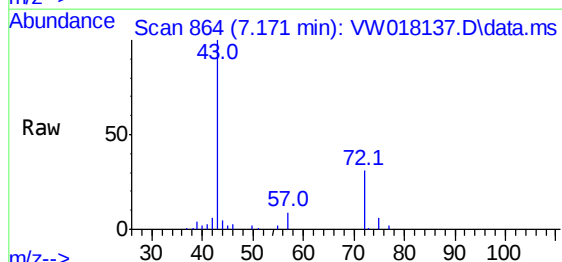
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 96.1  | 81.2  | 150.8 |
| 86  | 58.0  | 44.5  | 82.7  |

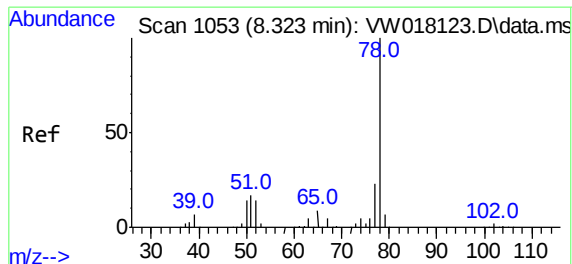


#21  
2-Butanone  
Concen: 10.51 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Tgt Ion: 43 Resp: 15244

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 27.2  | 14.4  | 43.2  |

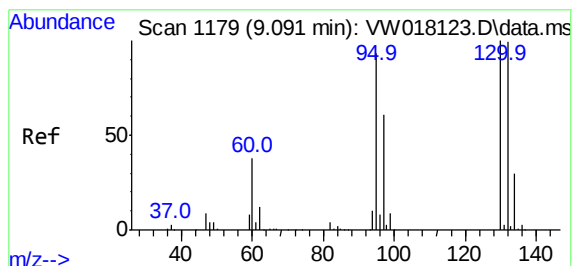
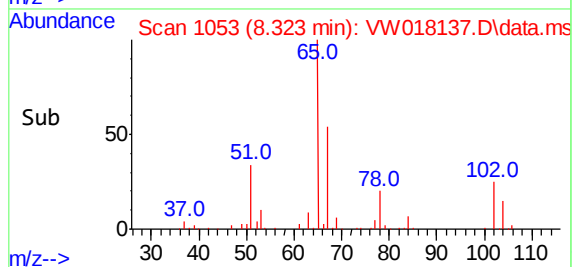
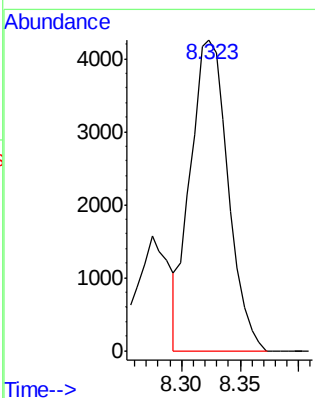
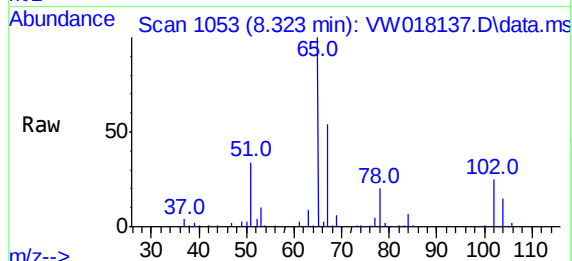




#34  
Benzene  
Concen: 0.61 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGY7RE

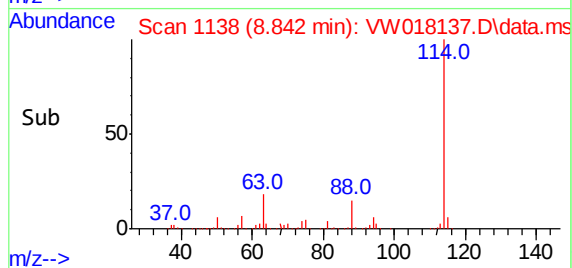
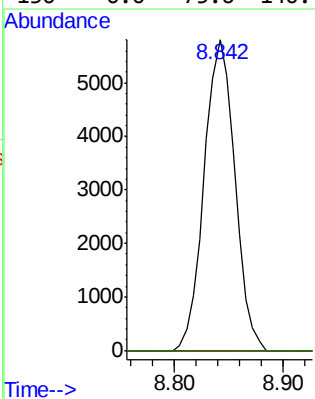
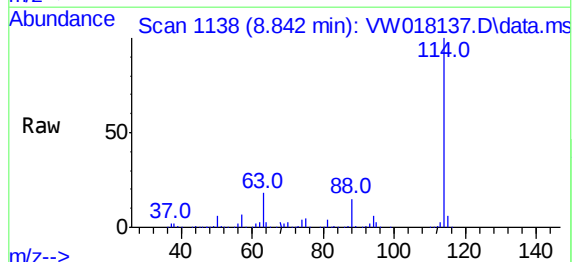
Tgt Ion: 78 Resp: 9506

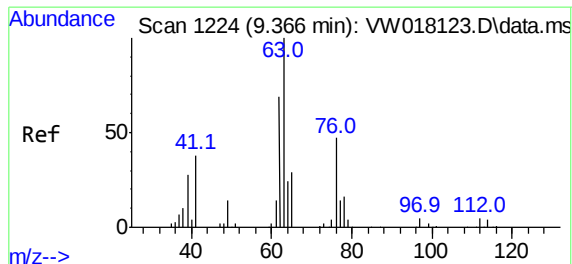


#35  
Trichloroethene  
Concen: 2.57 ug/L  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.250 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Tgt Ion: 95 Resp: 11365

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 45.0  | 83.6#  |
| 132 | 0.0   | 71.0  | 131.8# |
| 130 | 0.0   | 75.6  | 140.4# |

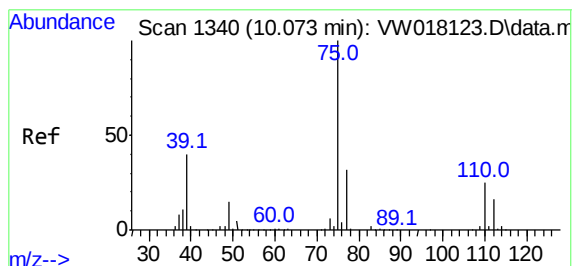
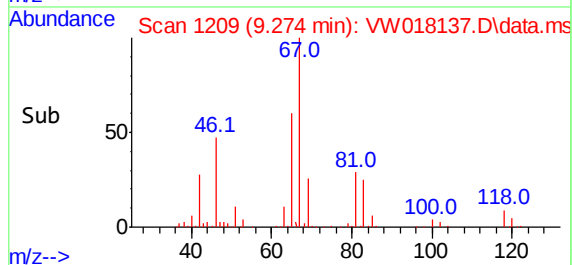
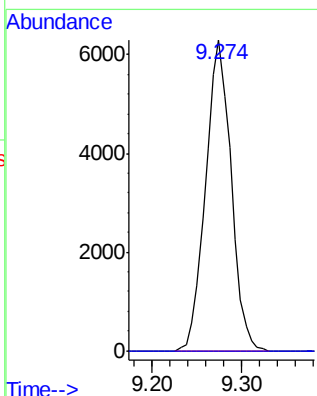
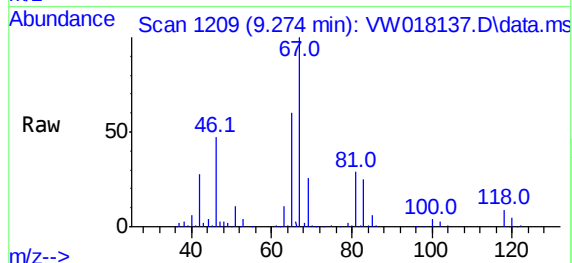




#40  
1,2-Dichloropropane  
Concen: 3.47 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.091 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

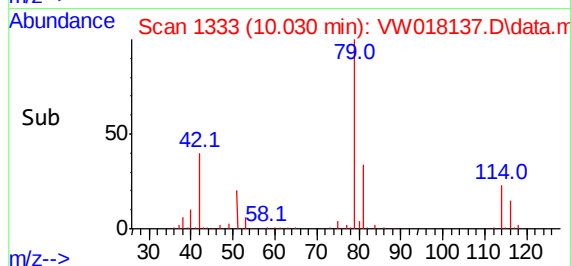
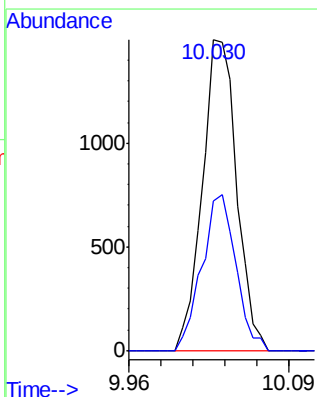
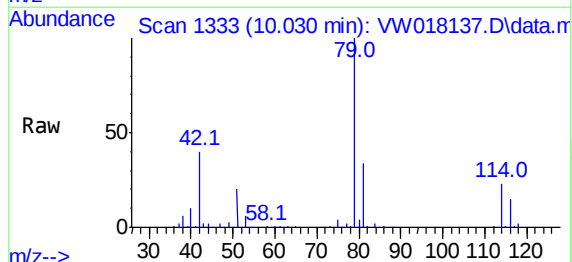
Instrument :  
MSVOA\_W  
ClientSampleId :  
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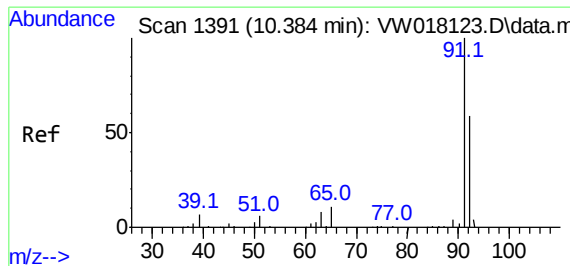
Tgt Ion: 63 Resp: 12479  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.2 6.4#



#42  
cis-1,3-Dichloropropene  
Concen: 0.47 ug/L  
RT: 10.030 min Scan# 1333  
Delta R.T. -0.043 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Tgt Ion: 75 Resp: 2741  
Ion Ratio Lower Upper  
75 100  
77 47.9 22.7 42.3#





#44

Toluene

Concen: 2.80 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW018137.D

Acq: 15 Feb 2021 15:52

Instrument :

MSVOA\_W

ClientSampleId :

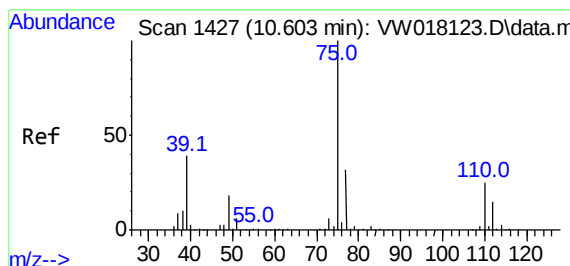
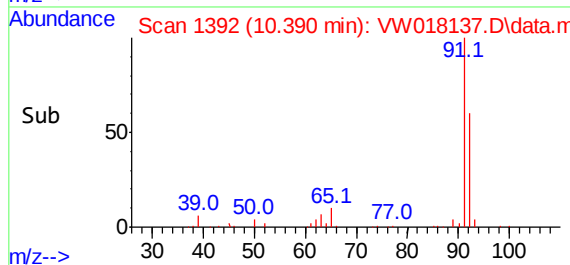
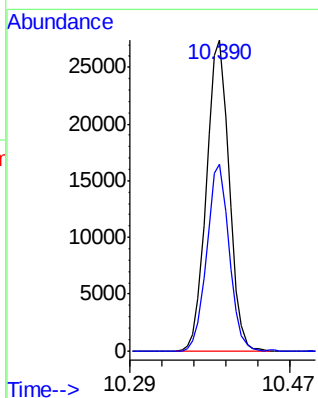
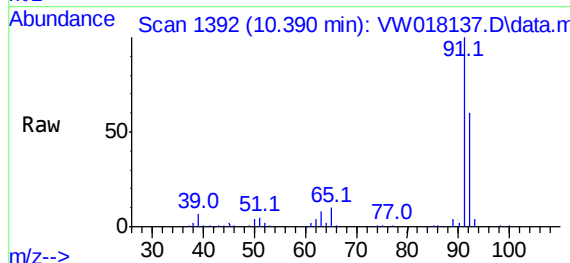
DBGY7RE

Tgt Ion: 91 Resp: 48291

Ion Ratio Lower Upper

91 100

92 59.9 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 0.31 ug/L

RT: 10.579 min Scan# 1423

Delta R.T. -0.024 min

Lab File: VW018137.D

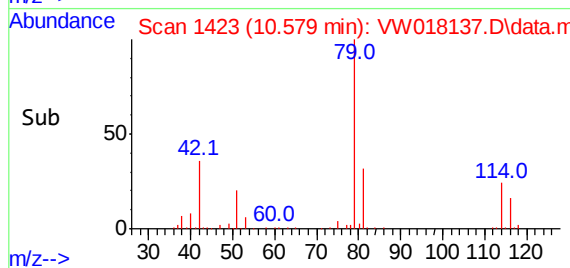
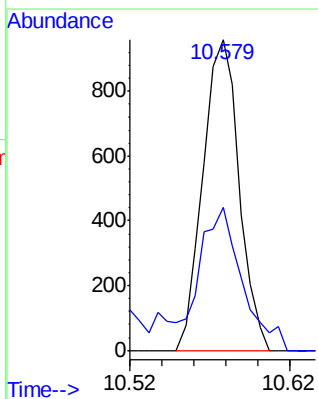
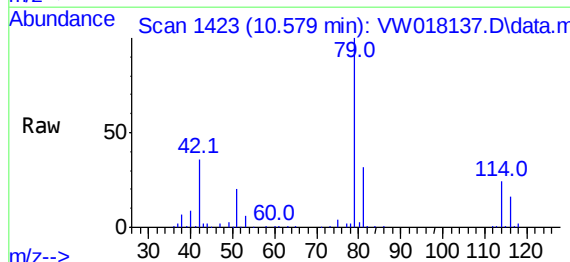
Acq: 15 Feb 2021 15:52

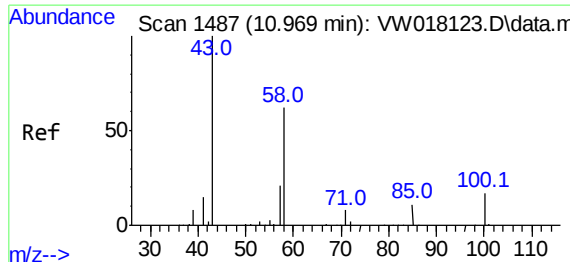
Tgt Ion: 75 Resp: 1579

Ion Ratio Lower Upper

75 100

77 46.1 22.6 42.0#



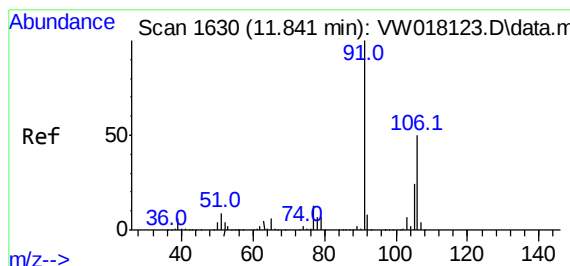
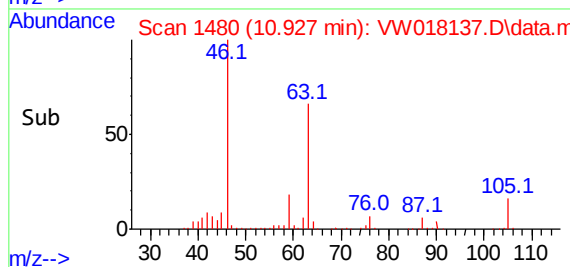
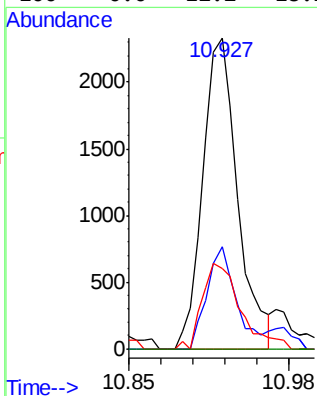
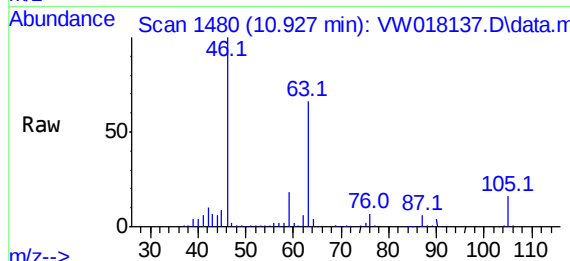


#49  
2-Hexanone  
Concen: 2.79 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

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Tgt Ion: 43 Resp: 4345

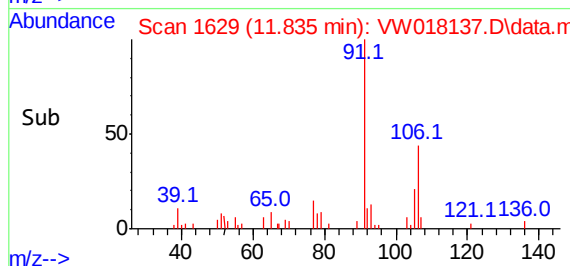
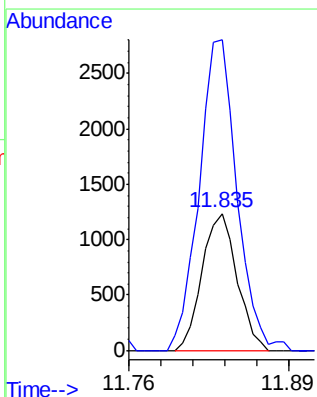
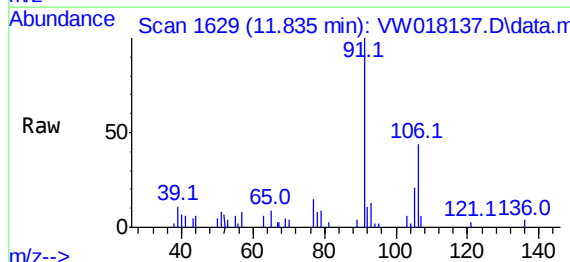
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.5  | 51.3  | 76.9# |
| 57  | 29.6  | 15.0  | 22.6# |
| 100 | 0.0   | 12.2  | 18.2# |

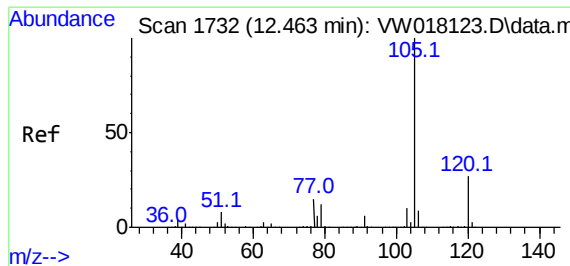


#54  
m,p-Xylene  
Concen: 0.31 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Tgt Ion: 106 Resp: 2311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 106 | 100   |       |       |
| 91  | 226.4 | 136.4 | 253.4 |

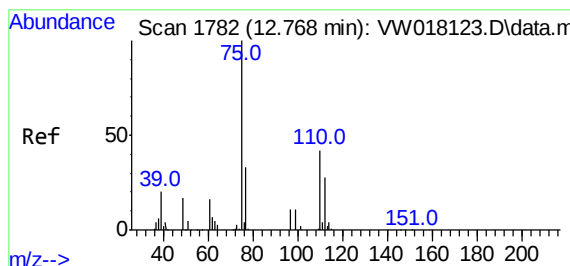
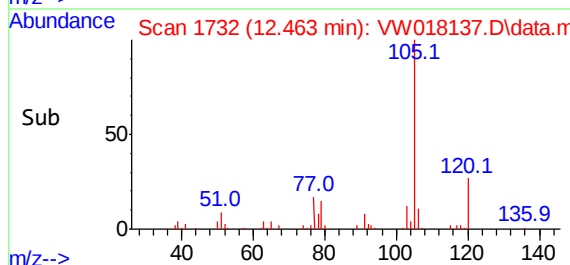
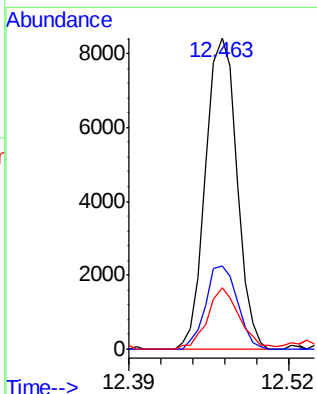
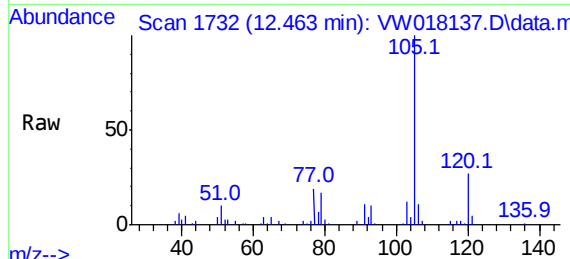




#57  
Isopropylbenzene  
Concen: 0.71 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

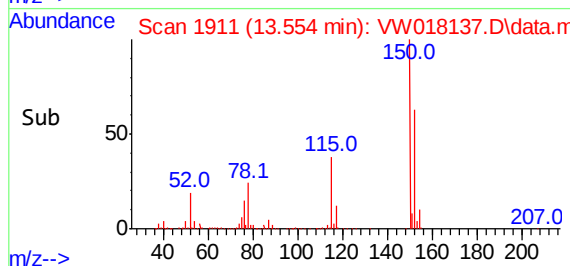
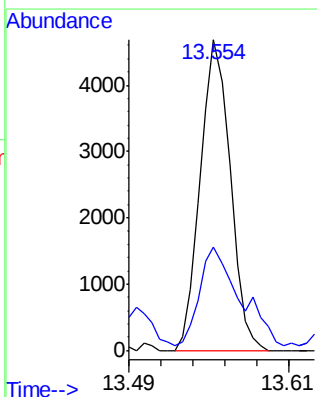
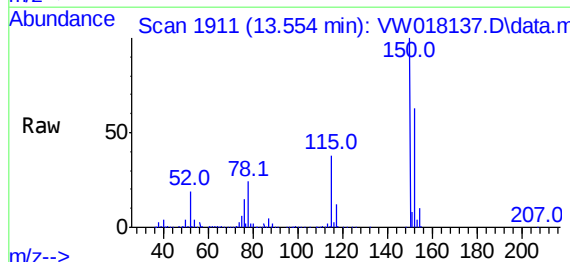
Instrument :  
MSVOA\_W  
ClientSampleID :  
DBGY7RE

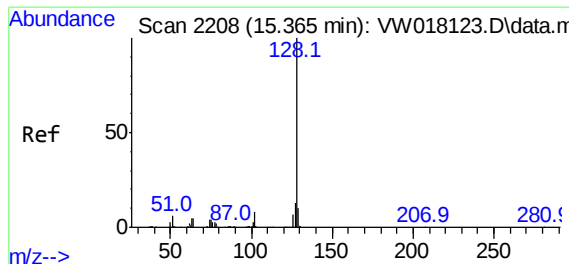
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 14092 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 27.0  | 21.4  | 32.2  |
| 77       | 20.1  | 12.1  | 18.1  |



#59  
1,2,3-Trichloropropane  
Concen: 2.73 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.787 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7512  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.5  | 26.6  | 39.8  |





#69  
Naphthalene  
Concen: 0.24 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW018137.D  
Acq: 15 Feb 2021 15:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGY7RE

Tgt Ion:128 Resp: 1448  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.7 13.1  
127 17.1 10.7 16.1#

