

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122722\  
 Data File : VU052565.D  
 Acq On : 27 Dec 2022 15:27  
 Operator : JC/MD  
 Sample : N6171-16  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBQD2

Quant Time: Dec 28 01:21:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 28 01:18:16 2022  
 Response via : Initial Calibration

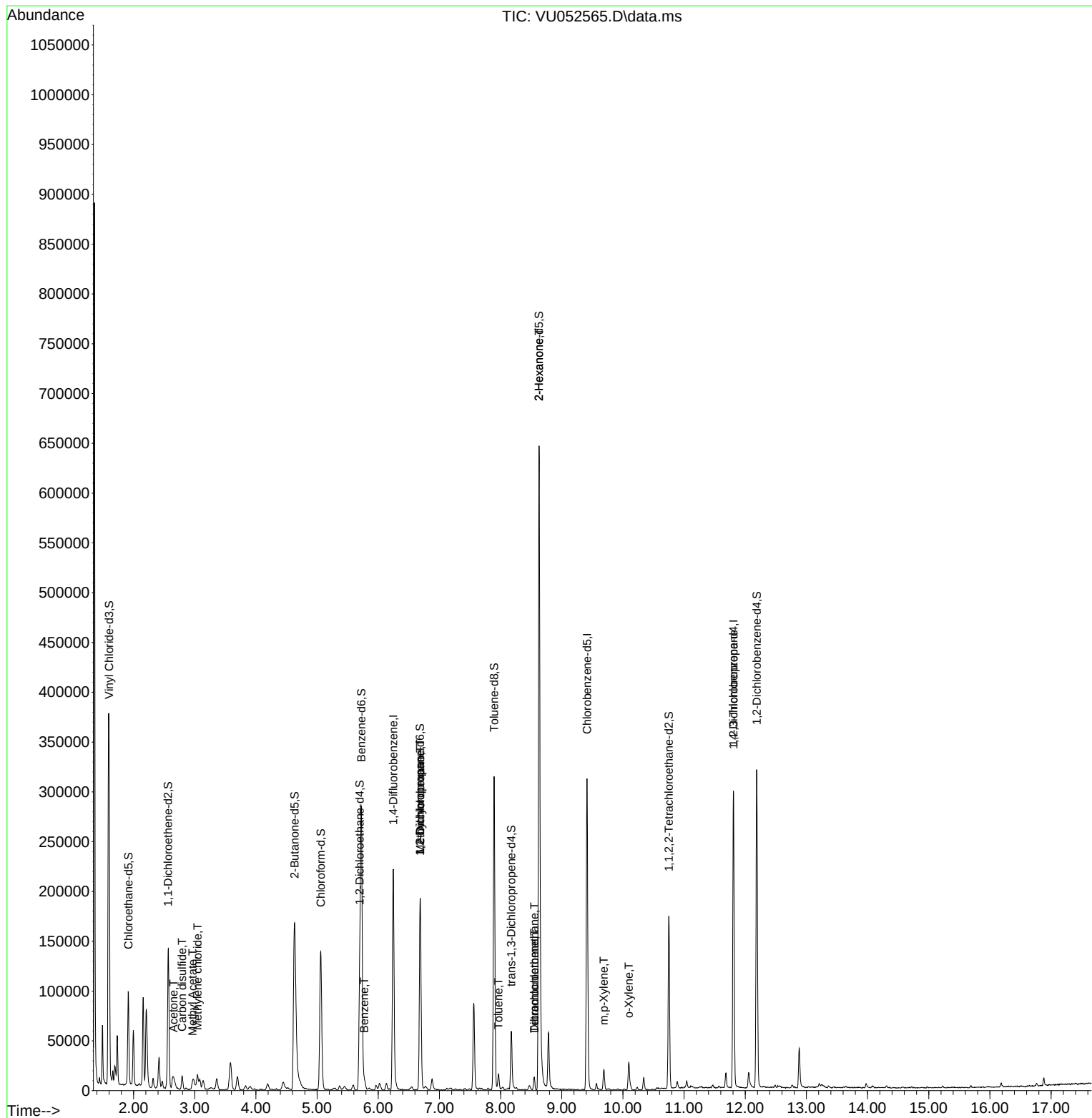
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 170088   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 165077   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 75883    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 58826    | 3.414    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.200%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 60083    | 4.043    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 28215    | 3.805    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.200%  |
| 20) 2-Butanone-d5             | 4.632  | 46    | 310646   | 58.134   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 116.260% |
| 24) Chloroform-d              | 5.060  | 84    | 131518   | 4.524    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 81211    | 4.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.400%  |
| 32) Benzene-d6                | 5.722  | 84    | 257943   | 4.558    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.684  | 67    | 95888    | 4.922    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.893  | 98    | 203176   | 4.276    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 34318    | 5.144    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 102.800% |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 216426   | 59.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 118.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 85212    | 5.152    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 79350    | 5.136    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 2.652  | 43    | 23995    | 6.091    | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793  | 76    | 15879    | 0.387    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.967  | 43    | 3787     | 0.436    | ug/L # | 55       |
| 16) Methylene chloride        | 3.044  | 84    | 5405     | 0.300    | ug/L   | 91       |
| 33) Benzene                   | 5.771  | 78    | 9013     | 0.152    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.687  | 83    | 20387    | 0.973    | ug/L # | 14       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 9914     | 0.598    | ug/L # | 88       |
| 42) Toluene                   | 7.967  | 91    | 10029    | 0.176    | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.552  | 164   | 2777     | 0.286    | ug/L   | 85       |
| 48) 2-Hexanone                | 8.629  | 43    | 28269    | 3.093    | ug/L # | 76       |
| 49) Dibromochloromethane      | 8.552  | 129   | 2741     | 0.220    | ug/L # | 11       |
| 53) m,p-Xylene                | 9.687  | 106   | 5684     | 0.261    | ug/L   | 77       |
| 54) o-Xylene                  | 10.095 | 106   | 6911     | 0.331    | ug/L   | 92       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 10691    | 0.982    | ug/L # | 71       |
| -----                         |        |       |          |          |        |          |

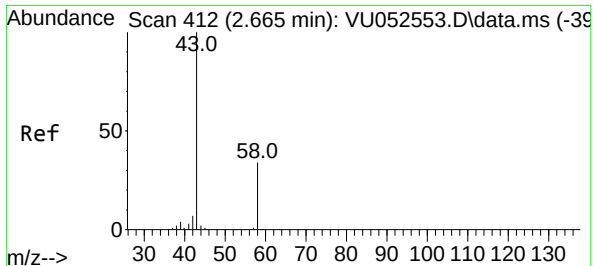
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122722\  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQD2

Quant Time: Dec 28 01:21:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Dec 28 01:18:16 2022  
Response via : Initial Calibration





#13

Acetone

Concen: 6.091 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.013 min

Lab File: VU052565.D

Acq: 27 Dec 2022 15:27

Instrument :

MSVOA\_U

ClientSampleId :

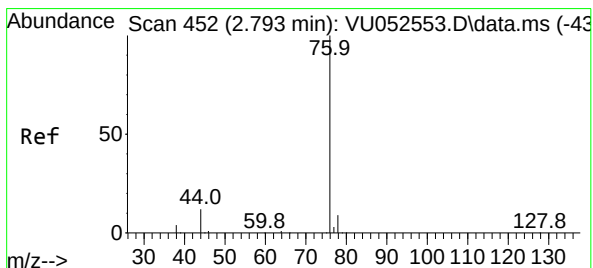
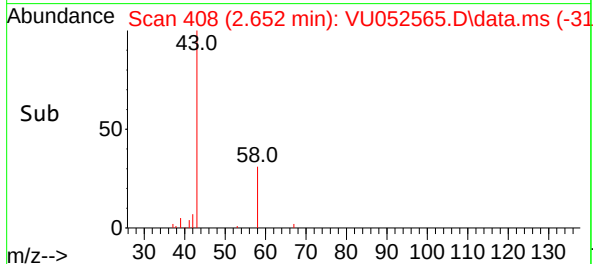
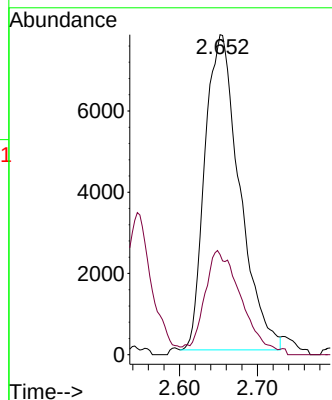
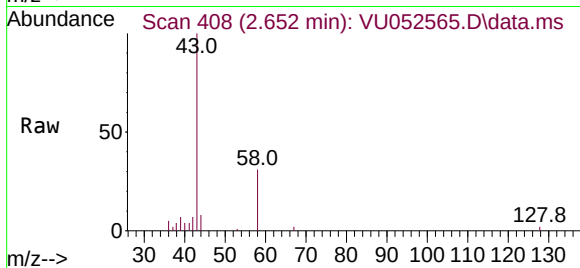
GBQD2

Tgt Ion: 43 Resp: 23995

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.4



#14

Carbon disulfide

Concen: 0.387 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052565.D

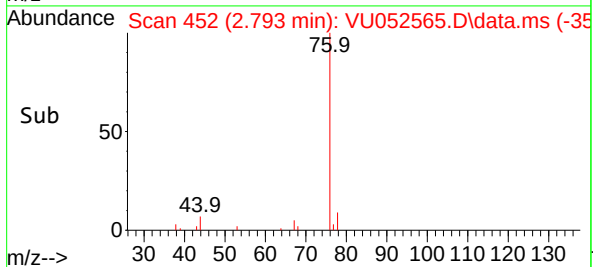
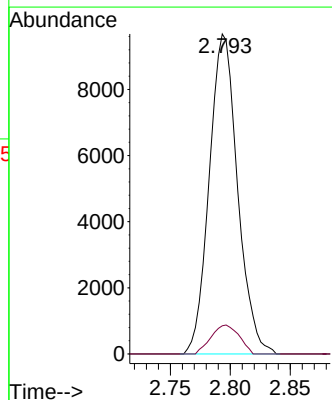
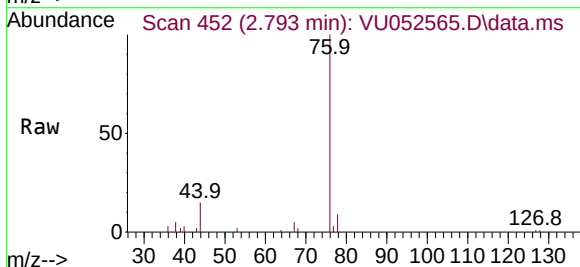
Acq: 27 Dec 2022 15:27

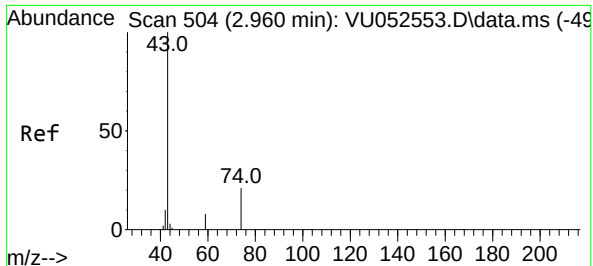
Tgt Ion: 76 Resp: 15879

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

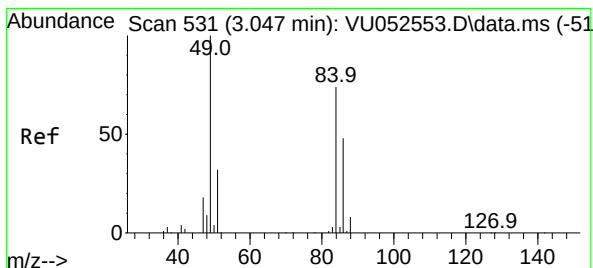
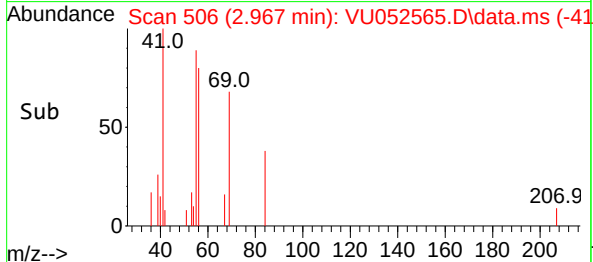
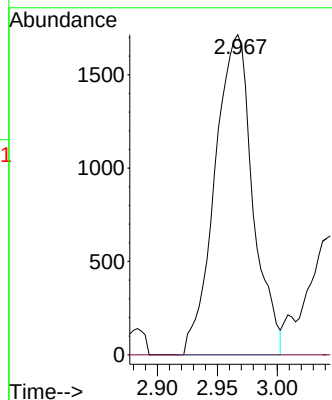
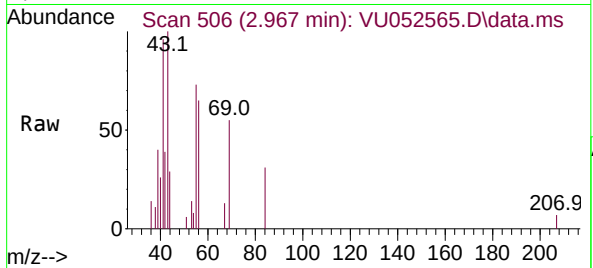




#15  
Methyl Acetate  
Concen: 0.436 ug/L  
RT: 2.967 min Scan# 504  
Delta R.T. 0.006 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

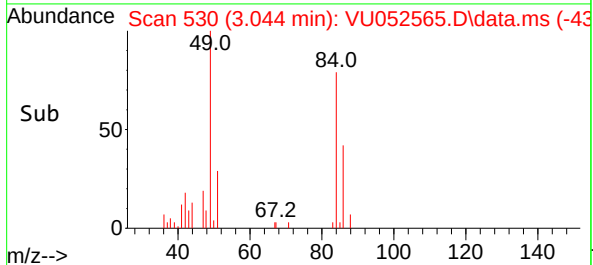
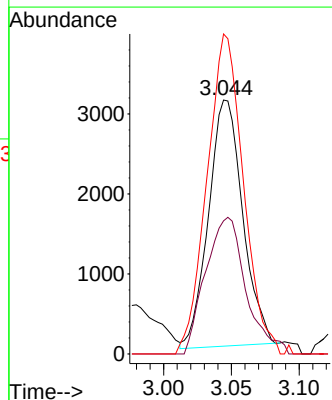
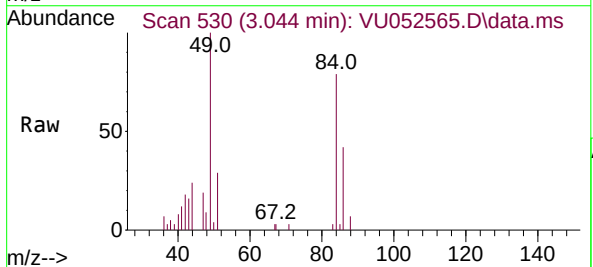
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQD2

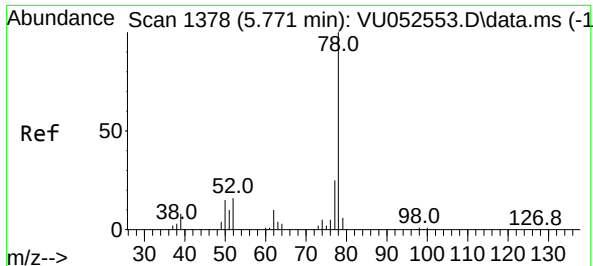
Tgt Ion: 43 Resp: 3787  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.9 25.3#



#16  
Methylene chloride  
Concen: 0.300 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.003 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

Tgt Ion: 84 Resp: 5405  
Ion Ratio Lower Upper  
84 100  
86 52.4 44.7 83.1  
49 126.0 93.3 173.3

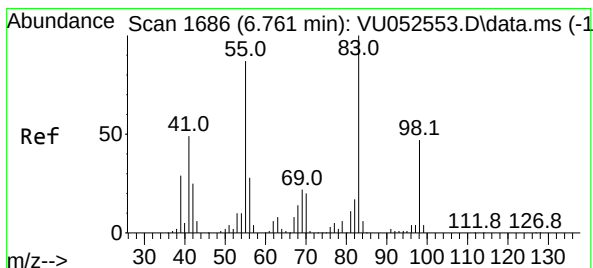
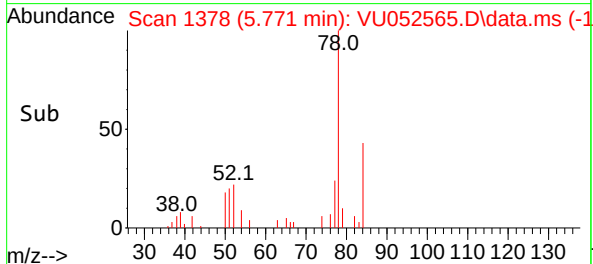
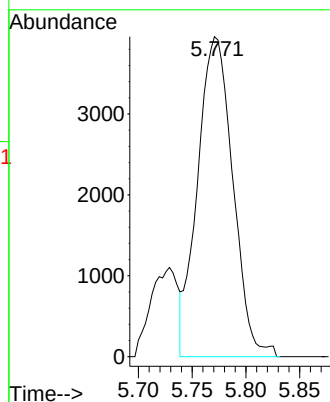
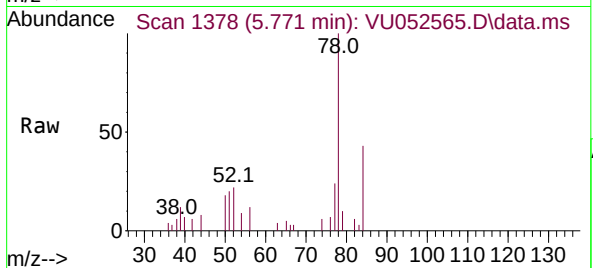




#33  
Benzene  
Concen: 0.152 ug/L  
RT: 5.771 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

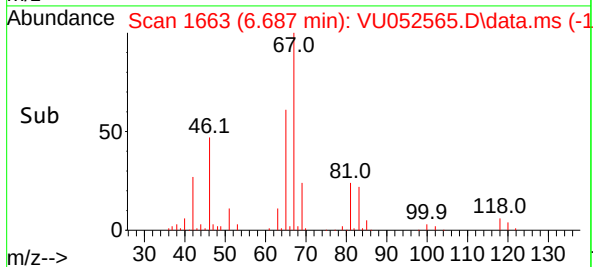
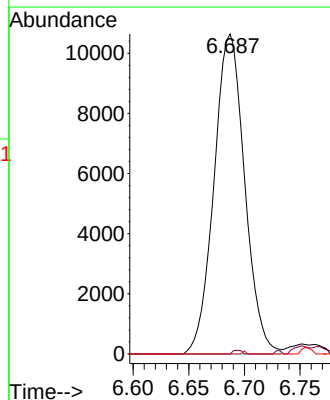
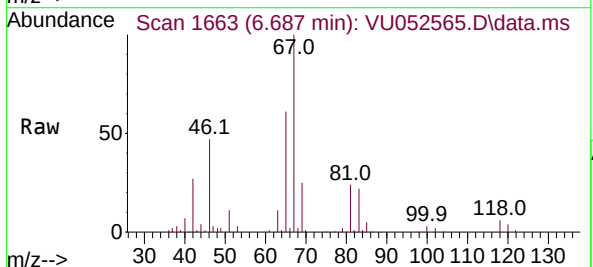
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQD2

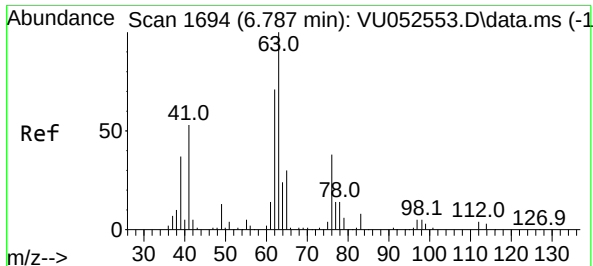
Tgt Ion: 78 Resp: 9013



#35  
Methylcyclohexane  
Concen: 0.973 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

Tgt Ion: 83 Resp: 20387  
Ion Ratio Lower Upper  
83 100  
55 0.3 71.4 107.0#  
98 0.1 36.5 54.7#





#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052565.D

Acq: 27 Dec 2022 15:27

Instrument :

MSVOA\_U

ClientSampleId :

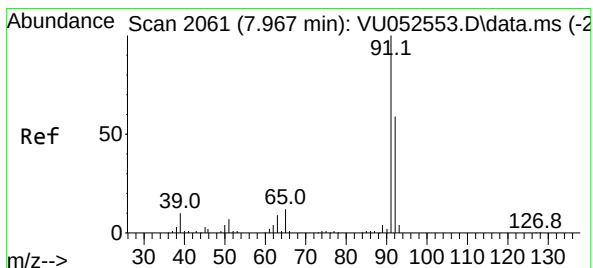
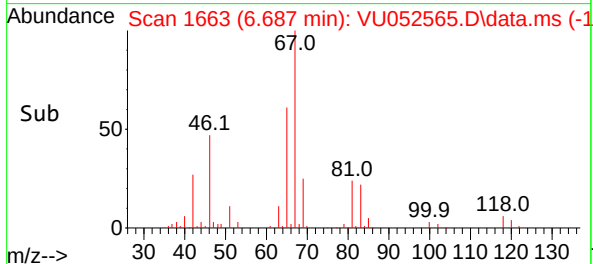
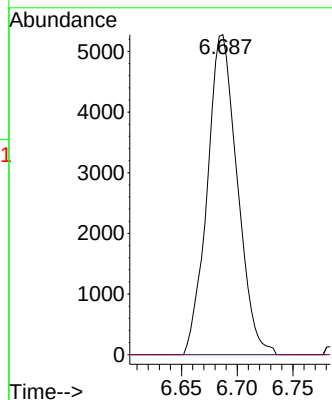
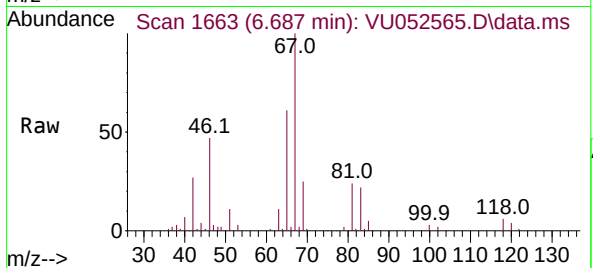
GBQD2

Tgt Ion: 63 Resp: 9914

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#42

Toluene

Concen: 0.176 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052565.D

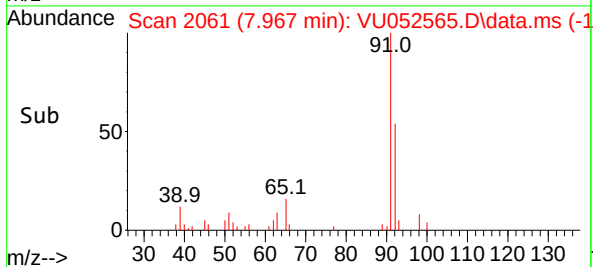
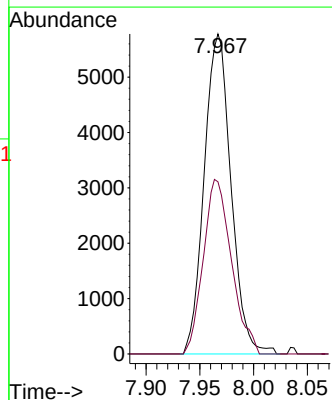
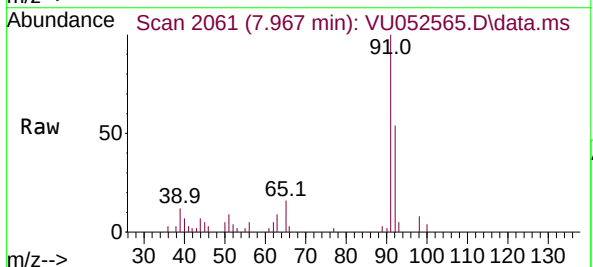
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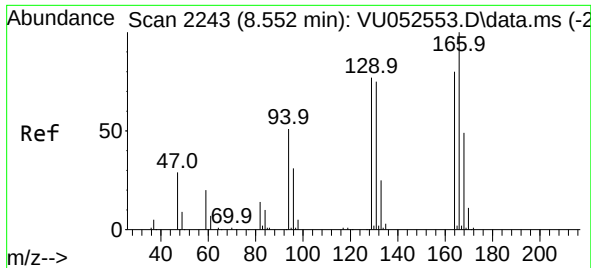
Tgt Ion: 91 Resp: 10029

Ion Ratio Lower Upper

91 100

92 53.8 40.6 75.4





#47

Tetrachloroethene

Concen: 0.286 ug/L

RT: 8.552 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052565.D

Acq: 27 Dec 2022 15:27

Instrument :

MSVOA\_U

ClientSampleId :

GBQD2

Tgt Ion:164 Resp: 2777

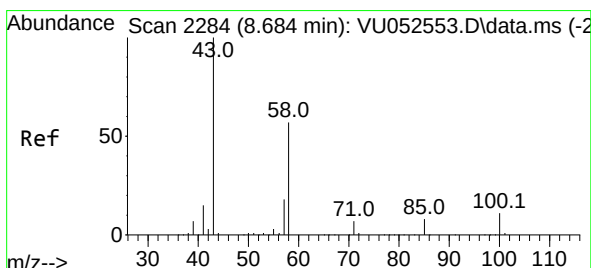
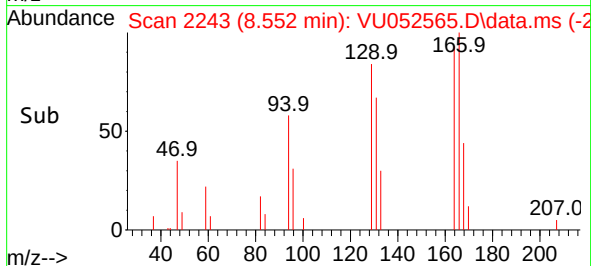
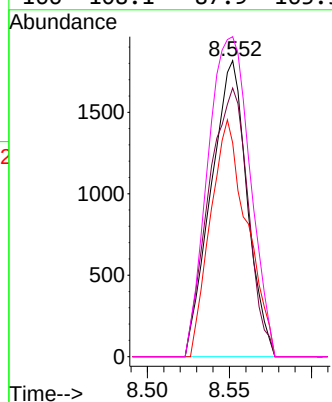
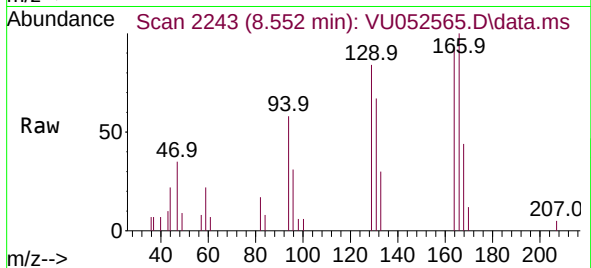
Ion Ratio Lower Upper

164 100

129 90.8 68.1 126.5

131 72.2 66.5 123.5

166 108.1 87.9 163.3



#48

2-Hexanone

Concen: 3.093 ug/L

RT: 8.629 min Scan# 2267

Delta R.T. -0.055 min

Lab File: VU052565.D

Acq: 27 Dec 2022 15:27

Tgt Ion: 43 Resp: 28269

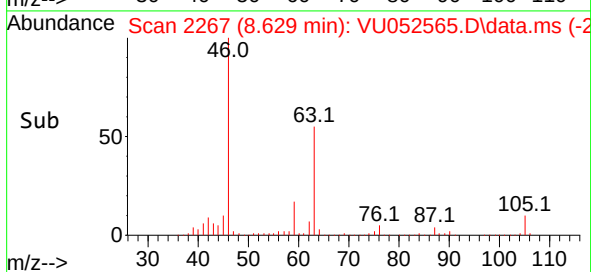
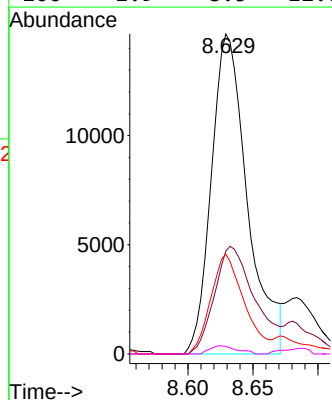
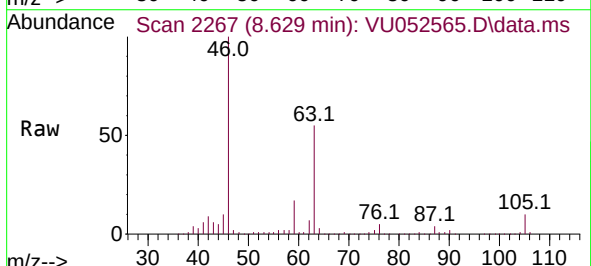
Ion Ratio Lower Upper

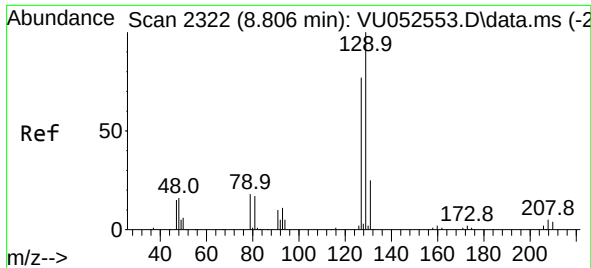
43 100

58 37.8 44.1 66.1#

57 29.1 14.6 21.8#

100 1.9 8.5 12.7#

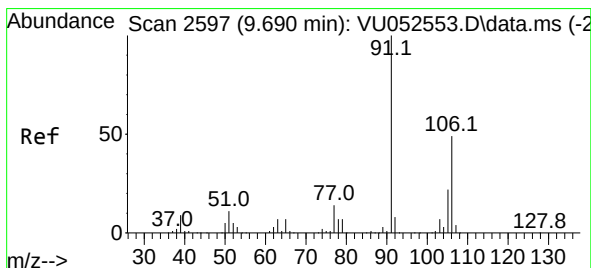
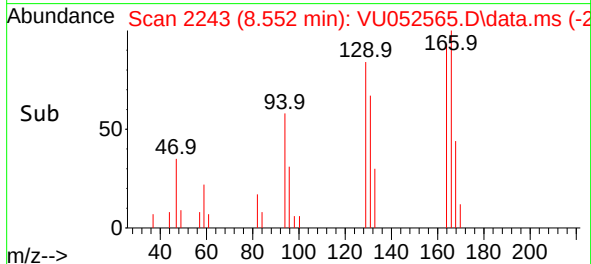
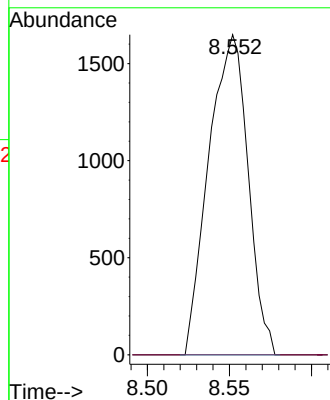
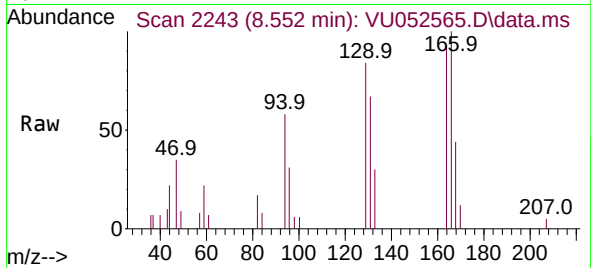




#49  
Dibromochloromethane  
Concen: 0.220 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.254 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

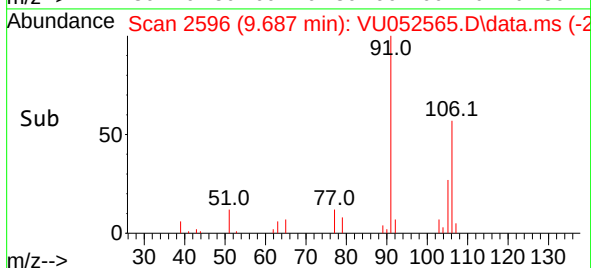
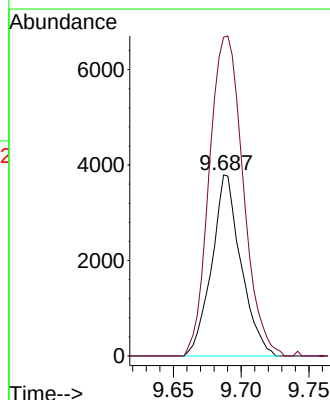
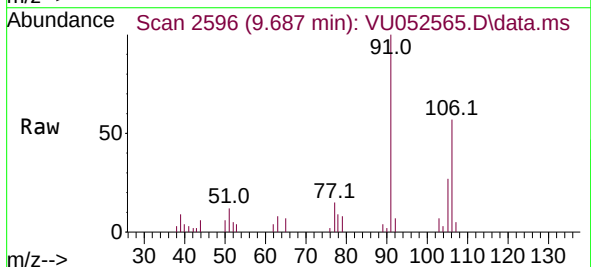
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQD2

Tgt Ion:129 Resp: 2741  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.2 100.6#

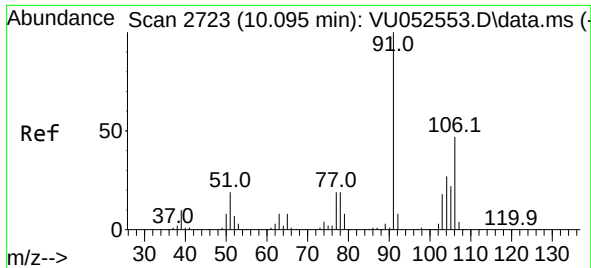


#53  
m,p-Xylene  
Concen: 0.261 ug/L  
RT: 9.687 min Scan# 2596  
Delta R.T. -0.003 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

Tgt Ion:106 Resp: 5684  
Ion Ratio Lower Upper  
106 100  
91 176.0 148.2 275.2



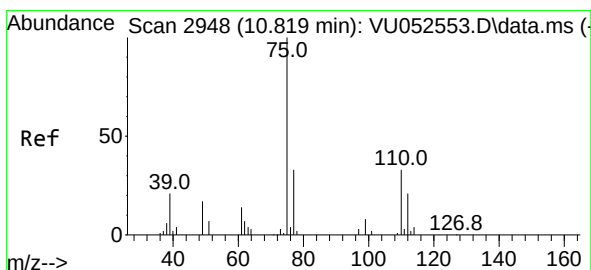
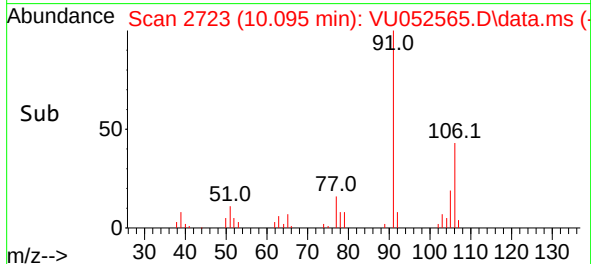
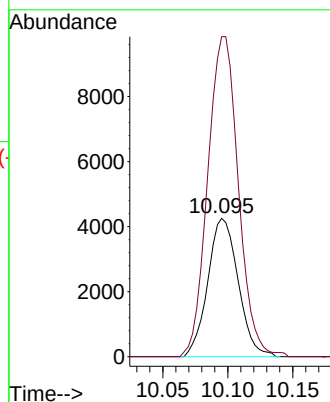
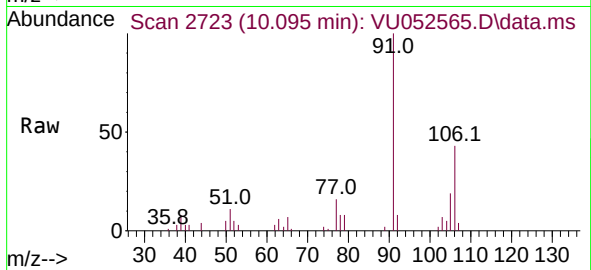




#54  
o-Xylene  
Concen: 0.331 ug/L  
RT: 10.095 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQD2

Tgt Ion:106 Resp: 6911  
Ion Ratio Lower Upper  
106 100  
91 231.3 153.2 284.4



#61  
1,2,3-Trichloropropane  
Concen: 0.982 ug/L  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.987 min  
Lab File: VU052565.D  
Acq: 27 Dec 2022 15:27

Tgt Ion: 75 Resp: 10691  
Ion Ratio Lower Upper  
75 100  
110 2.6 27.9 41.9#  
77 33.0 25.9 38.9

