

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062824\  
 Data File : VU059571.D  
 Acq On : 27 Jun 2024 18:49  
 Operator : MD/SY  
 Sample : P3006-04  
 Misc : 25.0mL/MSVOA\_U/WATER/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 28 00:54:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 28 00:50:04 2024  
 Response via : Initial Calibration

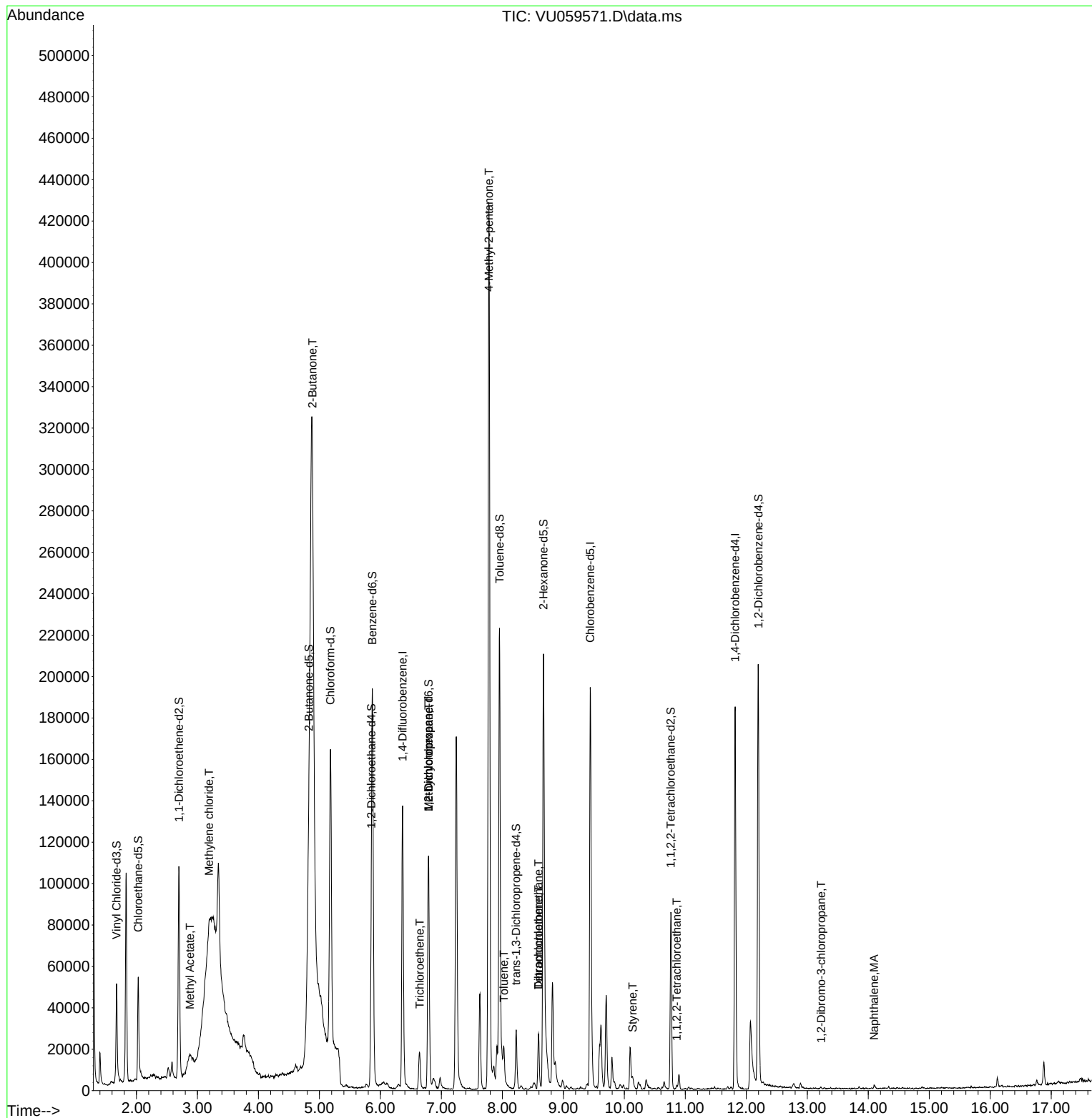
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 6.364  | 114   | 110660   | 5.000    | ug/L        | 0.12     |
| 28) Chlorobenzene-d5          | 9.441  | 117   | 119573   | 5.000    | ug/L        | 0.03     |
| 58) 1,4-Dichlorobenzene-d4    | 11.817 | 152   | 53708    | 5.000    | ug/L        | 0.00     |
|                               |        |       |          |          |             |          |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.673  | 65    | 40906    | 5.316    | ug/L        | 0.08     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | = 106.400%  |          |
| 7) Chloroethane-d5            | 2.030  | 69    | 43034    | 5.812    | ug/L        | 0.12     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | = 116.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.695  | 65    | 21815    | 6.834    | ug/L        | 0.14     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | = 136.600%# |          |
| 20) 2-Butanone-d5             | 4.827  | 46    | 183065   | 115.498  | ug/L        | 0.21     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | = 231.000%# |          |
| 24) Chloroform-d              | 5.181  | 84    | 140883   | 8.920    | ug/L        | 0.13     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 178.400%# |          |
| 26) 1,2-Dichloroethane-d4     | 5.849  | 65    | 43805    | 5.758    | ug/L        | 0.15     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 115.200%  |          |
| 32) Benzene-d6                | 5.869  | 84    | 171983   | 5.226    | ug/L        | 0.15     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 104.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.788  | 67    | 55263    | 5.480    | ug/L        | 0.10     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | = 109.600%  |          |
| 41) Toluene-d8                | 7.952  | 98    | 164782   | 5.386    | ug/L        | 0.06     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 107.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.226  | 79    | 16932    | 5.362    | ug/L        | 0.05     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | = 107.200%  |          |
| 46) 2-Hexanone-d5             | 8.672  | 63    | 79281    | 60.428   | ug/L        | 0.05     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | = 120.860%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.762 | 84    | 44621    | 5.356    | ug/L        | 0.01     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | = 107.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.196 | 152   | 58856    | 6.157    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | = 123.200%# |          |
|                               |        |       |          |          |             |          |
| Target Compounds              |        |       |          |          |             | Qvalue   |
| 15) Methyl Acetate            | 2.875  | 43    | 40181    | 14.809   | ug/L #      | 51       |
| 16) Methylene chloride        | 3.190  | 84    | 2878     | 0.309    | ug/L        | 94       |
| 21) 2-Butanone                | 4.885  | 43    | 21614    | 13.106   | ug/L        | 75       |
| 34) Trichloroethene           | 6.644  | 95    | 4767     | 0.485    | ug/L        | 93       |
| 35) Methylcyclohexane         | 6.788  | 83    | 12969    | 0.927    | ug/L #      | 20       |
| 37) 1,2-Dichloropropane       | 6.788  | 63    | 5646     | 0.601    | ug/L #      | 90       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43    | 165802   | 38.078   | ug/L #      | 44       |
| 42) Toluene                   | 8.023  | 91    | 13627    | 0.354    | ug/L        | 96       |
| 47) Tetrachloroethene         | 8.592  | 164   | 6385     | 0.837    | ug/L        | 96       |
| 49) Dibromochloromethane      | 8.592  | 129   | 5619     | 0.733    | ug/L #      | 12       |
| 55) Styrene                   | 10.135 | 104   | 2896     | 0.118    | ug/L        | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.859 | 83    | 1691     | 0.201    | ug/L #      | 25       |
| 68) 1,2-Dibromo-3-chloropr... | 13.225 | 75    | 63       | 0.065    | ug/L #      | 6        |
| 71) Naphthalene               | 14.094 | 128   | 2003     | 0.146    | ug/L #      | 86       |
| -----                         |        |       |          |          |             |          |

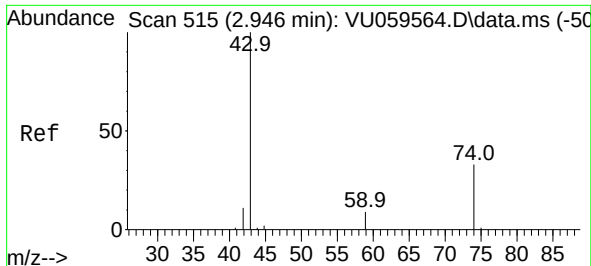
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062824\  
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Sample : P3006-04  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jun 28 00:54:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 28 00:50:04 2024  
Response via : Initial Calibration





#15

Methyl Acetate

Concen: 14.809 ug/L

RT: 2.875 min Scan# 401

Delta R.T. -0.071 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

Instrument :

MSVOA\_U

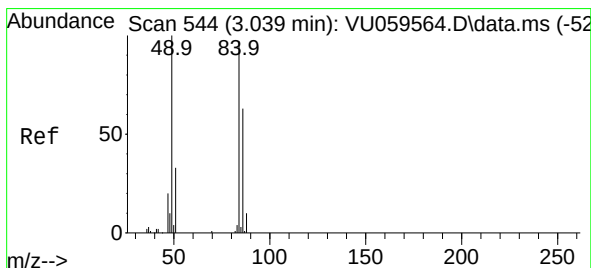
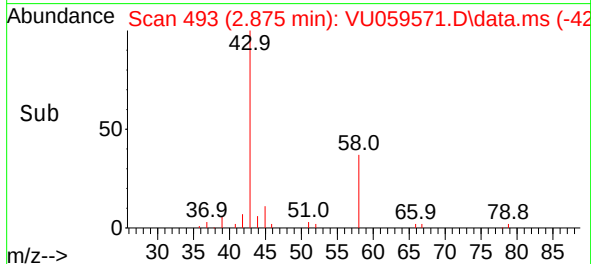
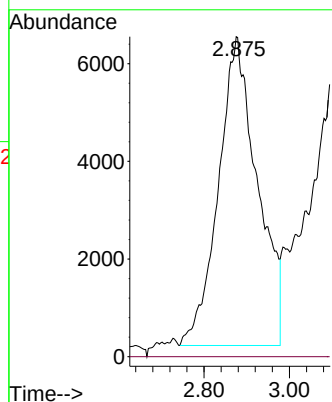
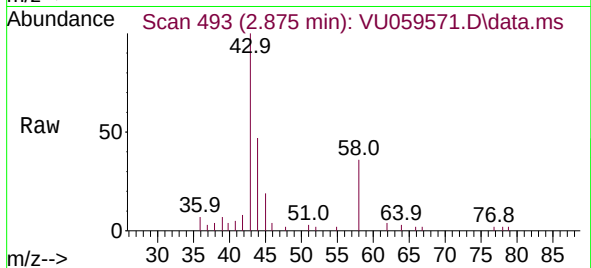
ClientSampleId :

Tgt Ion: 43 Resp: 40181

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#16

Methylene chloride

Concen: 0.309 ug/L

RT: 3.190 min Scan# 591

Delta R.T. 0.151 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

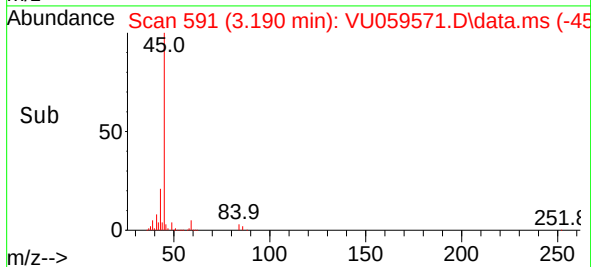
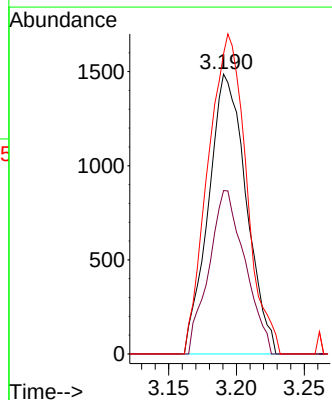
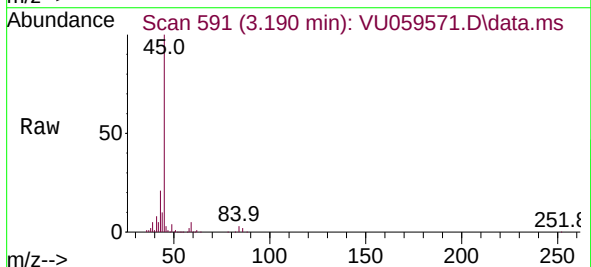
Tgt Ion: 84 Resp: 2878

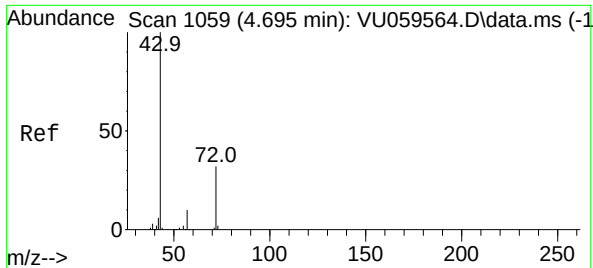
Ion Ratio Lower Upper

84 100

86 58.4 42.1 78.1

49 107.3 80.6 149.8

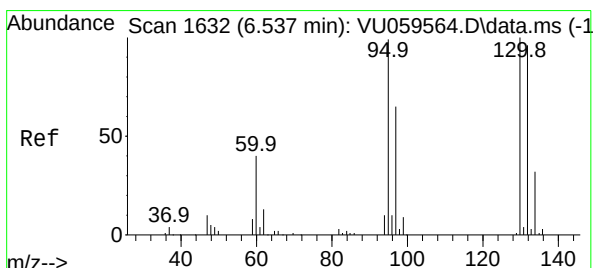
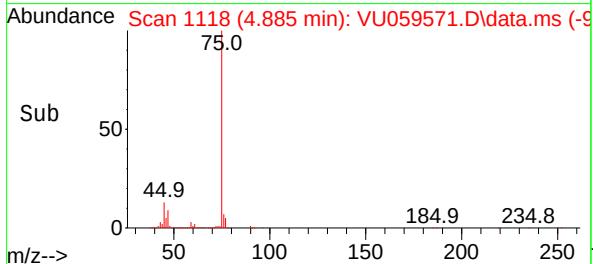
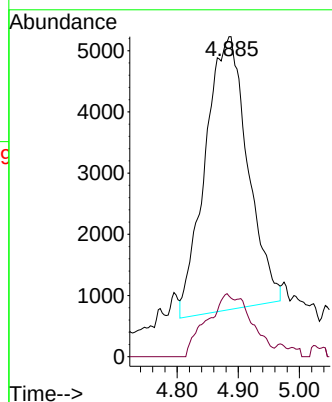
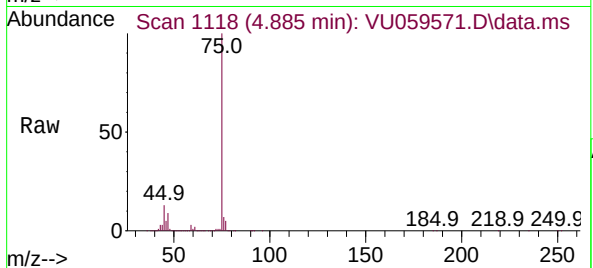




#21  
2-Butanone  
Concen: 13.106 ug/L  
RT: 4.885 min Scan# 1118  
Delta R.T. 0.190 min  
Lab File: VU059571.D  
Acq: 27 Jun 2024 18:49

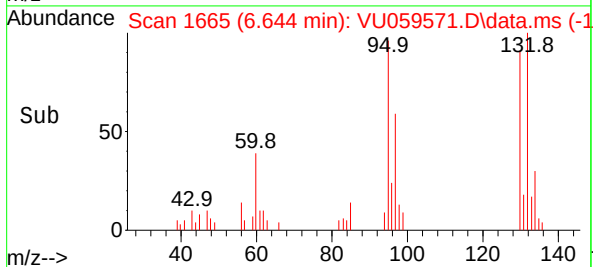
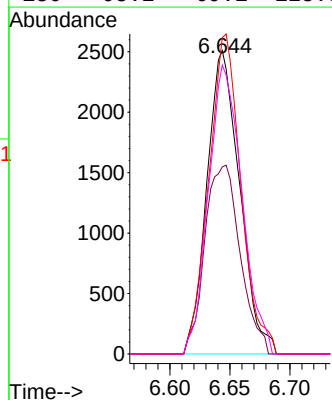
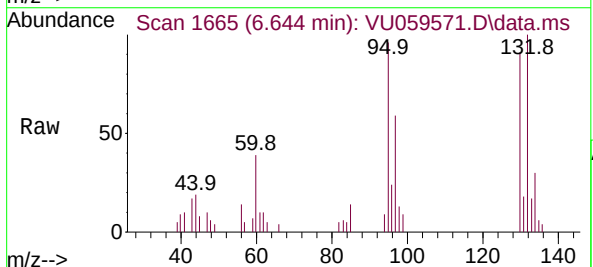
Instrument :  
MSVOA\_U  
ClientSampleId :

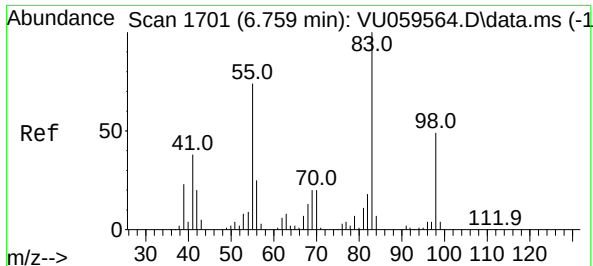
Tgt Ion: 43 Resp: 21614  
Ion Ratio Lower Upper  
43 100  
72 14.8 13.8 41.4



#34  
Trichloroethene  
Concen: 0.485 ug/L  
RT: 6.644 min Scan# 1665  
Delta R.T. 0.106 min  
Lab File: VU059571.D  
Acq: 27 Jun 2024 18:49

Tgt Ion: 95 Resp: 4767  
Ion Ratio Lower Upper  
95 100  
97 61.7 45.3 84.1  
132 104.3 64.0 119.0  
130 95.2 69.1 128.3





#35

Methylcyclohexane

Concen: 0.927 ug/L

RT: 6.788 min Scan# 1710

Delta R.T. 0.029 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

Instrument :

MSVOA\_U

ClientSampleId :

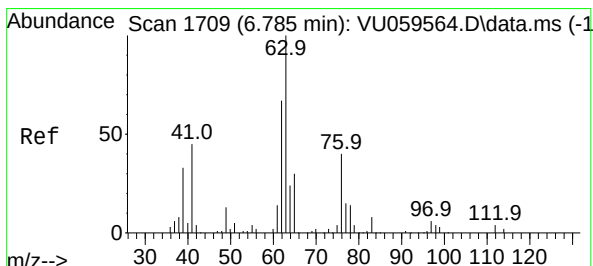
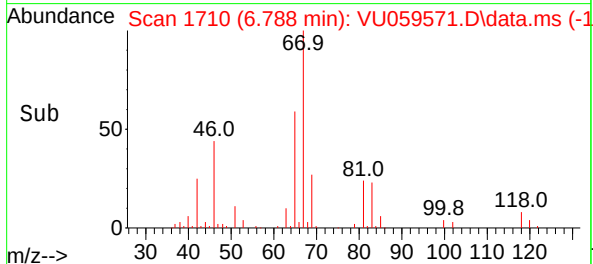
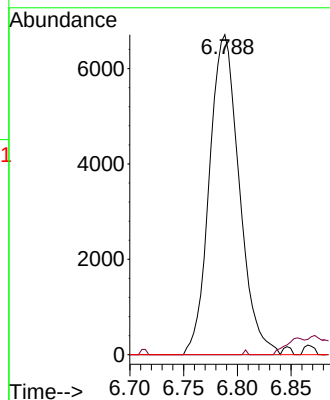
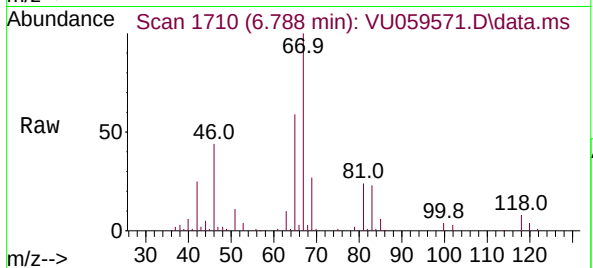
Tgt Ion: 83 Resp: 12969

Ion Ratio Lower Upper

83 100

55 3.3 62.7 94.1#

98 0.0 35.4 53.0#



#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU059571.D

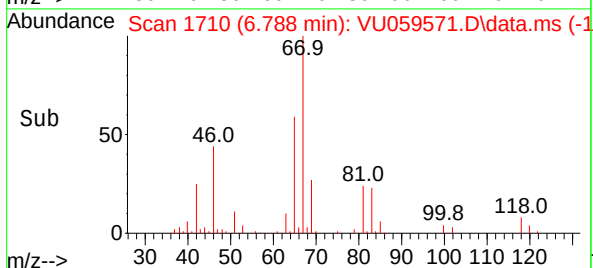
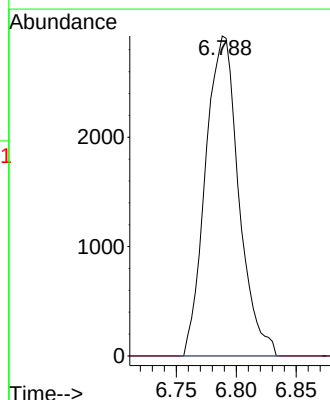
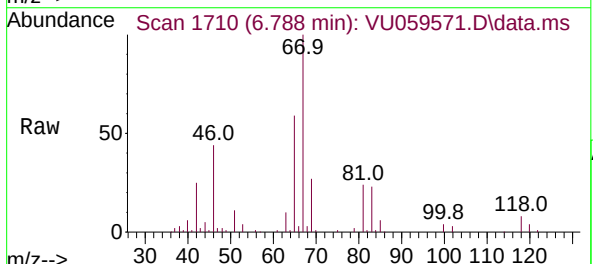
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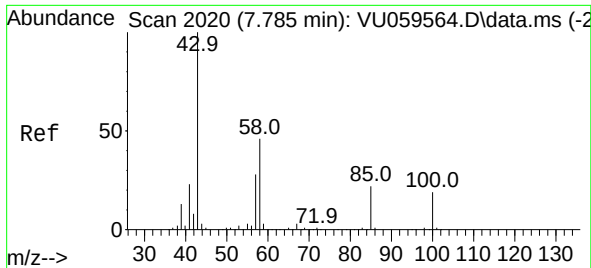
Tgt Ion: 63 Resp: 5646

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#





#40

4-Methyl-2-pentanone

Concen: 38.078 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

Instrument :

MSVOA\_U

ClientSampleId :

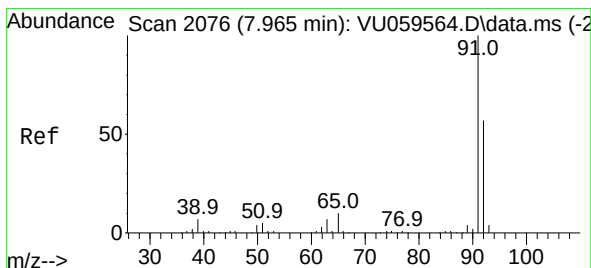
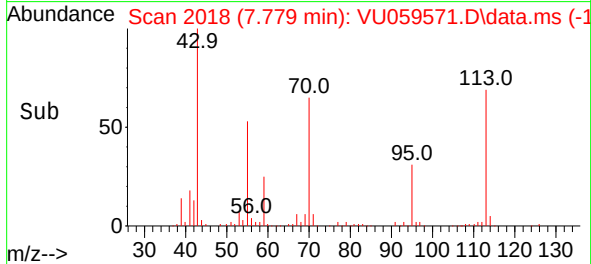
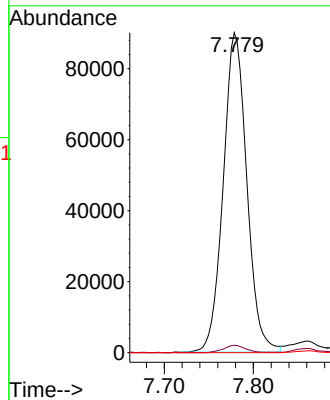
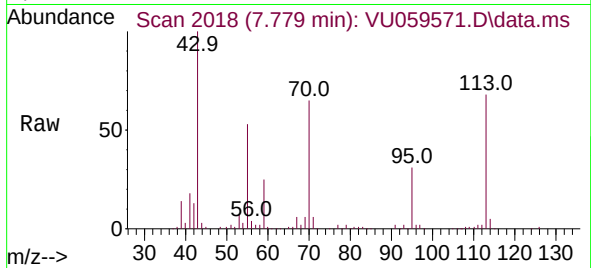
Tgt Ion: 43 Resp: 165802

Ion Ratio Lower Upper

43 100

58 2.2 34.0 51.0#

100 0.0 12.1 18.1#



#42

Toluene

Concen: 0.354 ug/L

RT: 8.023 min Scan# 2094

Delta R.T. 0.058 min

Lab File: VU059571.D

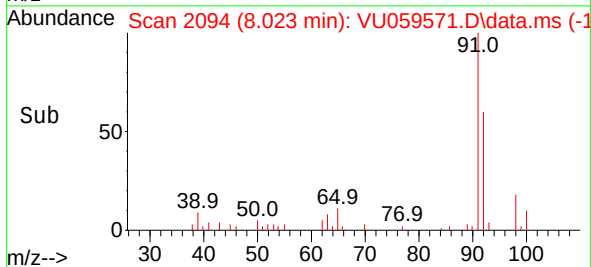
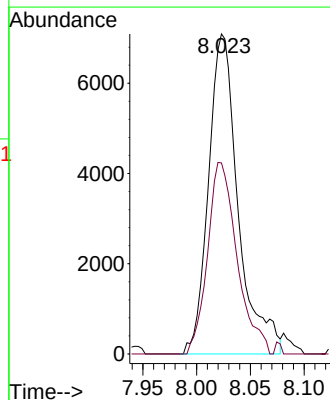
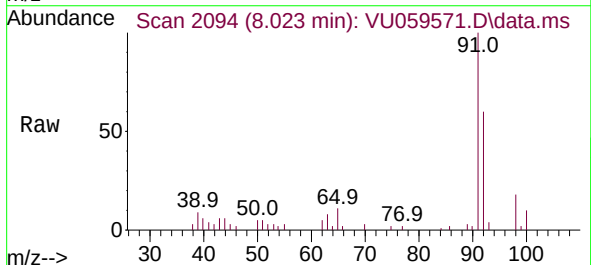
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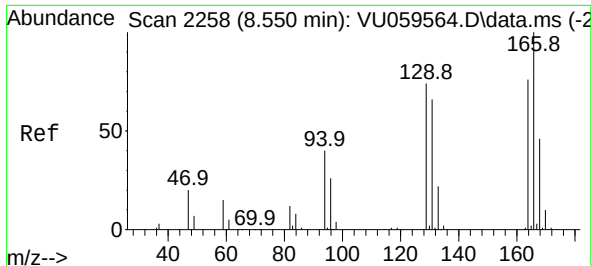
Tgt Ion: 91 Resp: 13627

Ion Ratio Lower Upper

91 100

92 59.7 39.7 73.7





#47

Tetrachloroethene

Concen: 0.837 ug/L

RT: 8.592 min Scan# 2271

Delta R.T. 0.042 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:164 Resp: 6385

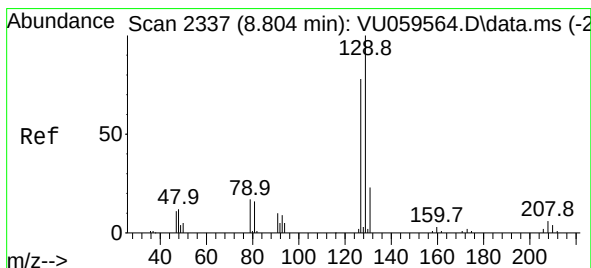
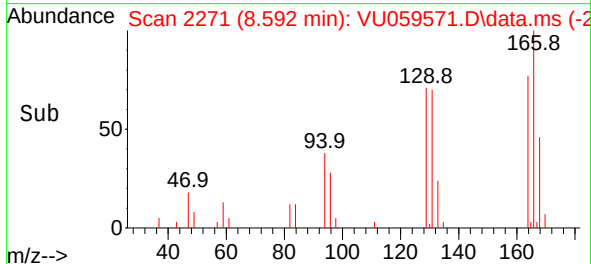
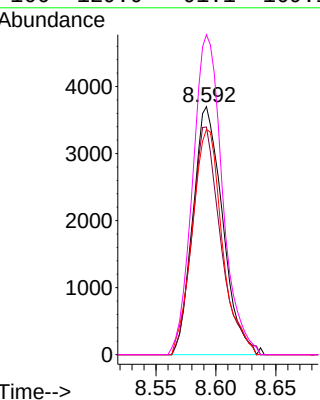
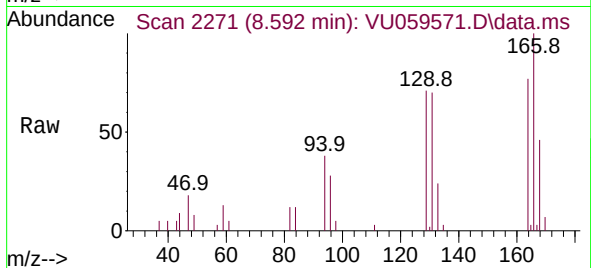
Ion Ratio Lower Upper

164 100

129 91.8 70.8 131.4

131 90.8 64.8 120.3

166 129.0 91.1 169.1



#49

Dibromochloromethane

Concen: 0.733 ug/L

RT: 8.592 min Scan# 2271

Delta R.T. -0.212 min

Lab File: VU059571.D

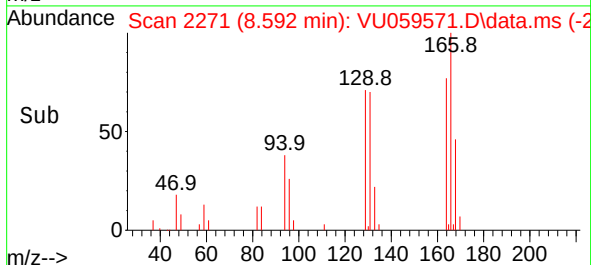
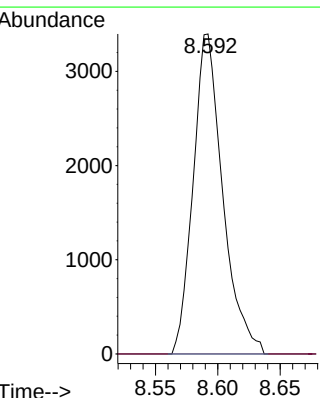
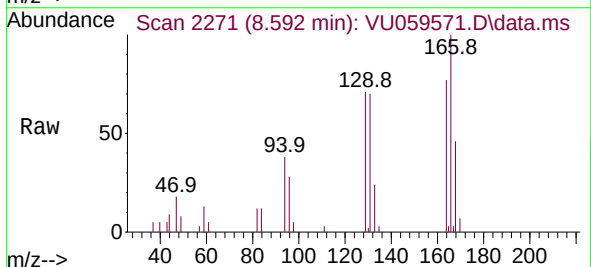
Acq: 27 Jun 2024 18:49

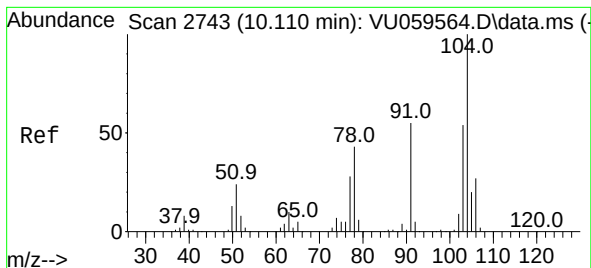
Tgt Ion:129 Resp: 5619

Ion Ratio Lower Upper

129 100

127 0.0 52.5 97.5#





#55

Styrene

Concen: 0.118 ug/L

RT: 10.135 min Scan# 21

Delta R.T. 0.026 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

Instrument :

MSVOA\_U

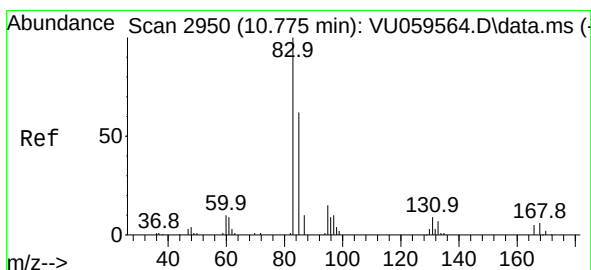
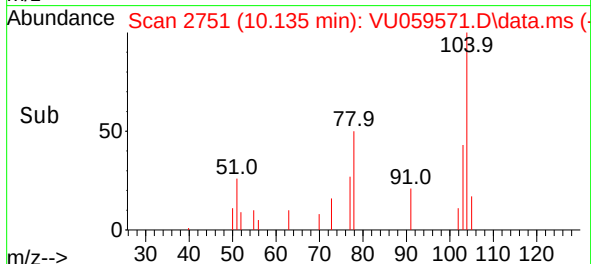
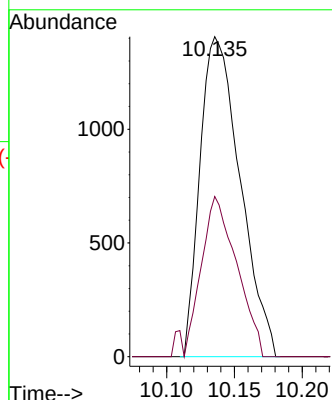
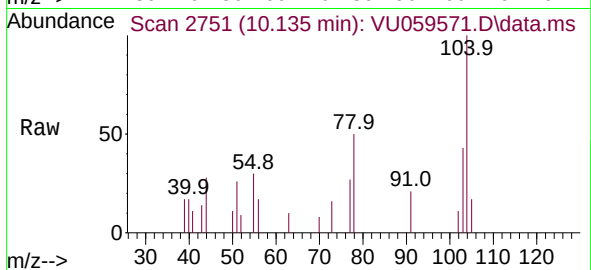
ClientSampleId :

Tgt Ion:104 Resp: 2896

Ion Ratio Lower Upper

104 100

78 50.0 32.3 60.1



#57

1,1,2,2-Tetrachloroethane

Concen: 0.201 ug/L

RT: 10.859 min Scan# 2976

Delta R.T. 0.084 min

Lab File: VU059571.D

Acq: 27 Jun 2024 18:49

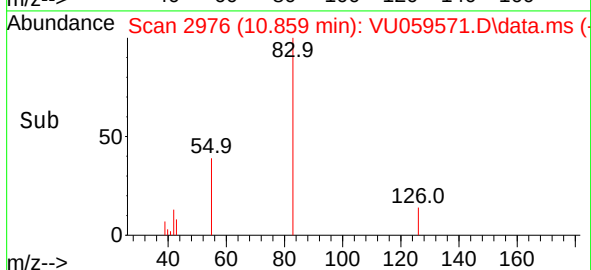
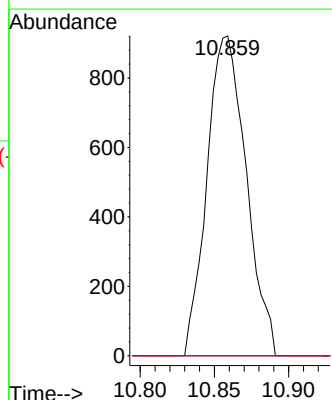
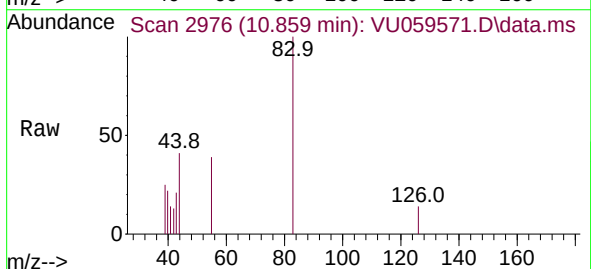
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Ion Ratio Lower Upper

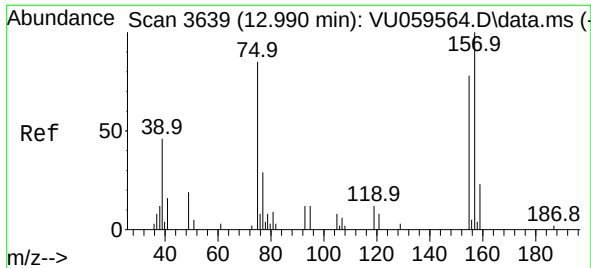
83 100

85 0.0 44.7 82.9#

131 0.0 6.9 10.3#



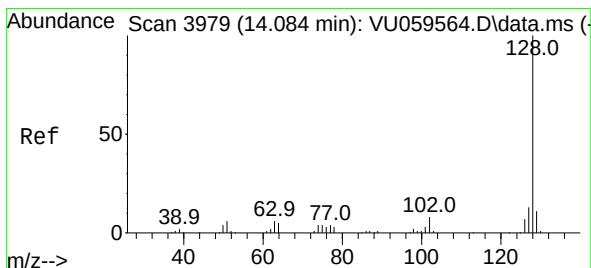
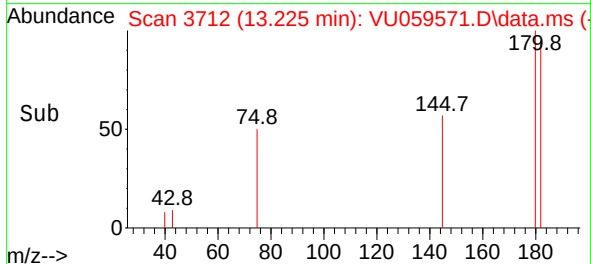
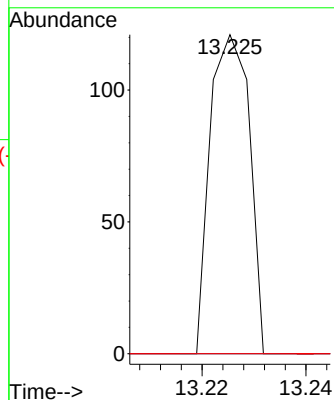
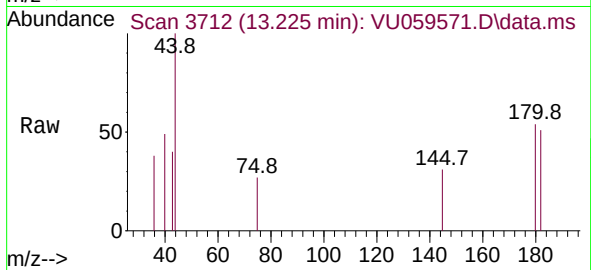




#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.065 ug/L  
RT: 13.225 min Scan# 31  
Delta R.T. 0.235 min  
Lab File: VU059571.D  
Acq: 27 Jun 2024 18:49

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 63  
Ion Ratio Lower Upper  
75 100  
155 0.0 58.2 87.2#  
157 0.0 80.0 120.0#



#71  
Naphthalene  
Concen: 0.146 ug/L  
RT: 14.094 min Scan# 3982  
Delta R.T. 0.010 min  
Lab File: VU059571.D  
Acq: 27 Jun 2024 18:49

Tgt Ion: 128 Resp: 2003  
Ion Ratio Lower Upper  
128 100  
129 2.1 8.2 12.4#  
127 9.9 10.2 15.4#

