

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
 Data File : VU049166.D  
 Acq On : 15 Jun 2022 13:36  
 Operator : SY/MD  
 Sample : N3288-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGJA3

Quant Time: Jun 16 04:48:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 16 04:45:30 2022  
 Response via : Initial Calibration

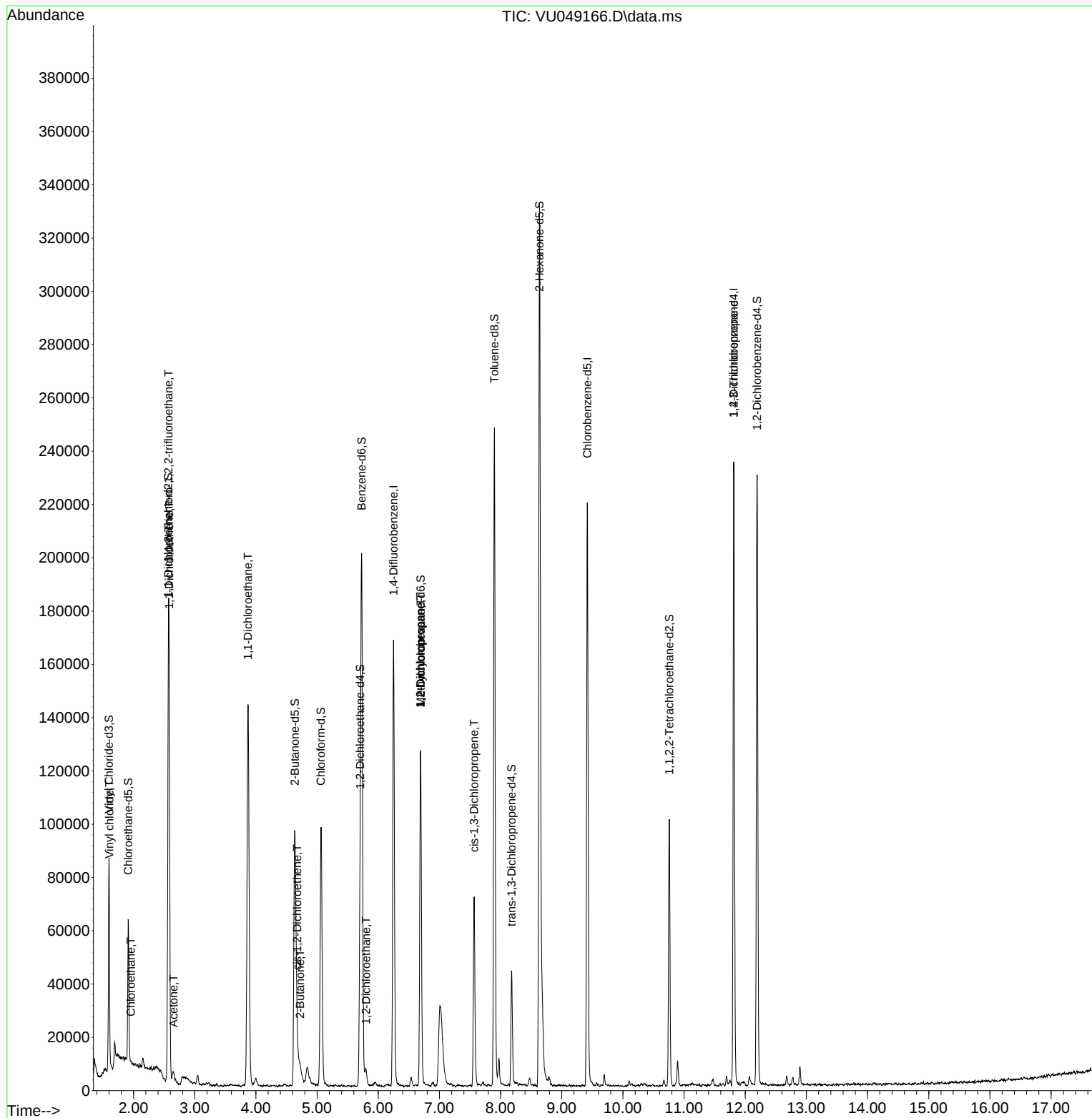
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 132937   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 119507   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 58250    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 49950    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.000%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 37201    | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 20627    | 4.415    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.200%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 174075   | 56.126   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.260% |
| 24) Chloroform-d              | 5.063  | 84    | 87687    | 4.811    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 51971    | 5.199    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 32) Benzene-d6                | 5.729  | 84    | 178967   | 4.971    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 61783    | 5.056    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.200% |
| 41) Toluene-d8                | 7.899  | 98    | 157193   | 4.849    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 24917    | 4.590    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.800%  |
| 46) 2-Hexanone-d5             | 8.635  | 63    | 114364   | 52.225   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.460% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 50670    | 5.179    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 58217    | 5.208    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.604  | 62    | 6654     | 0.595    | ug/L   | 87       |
| 8) Chloroethane               | 1.954  | 64    | 701      | 0.108    | ug/L # | 57       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571  | 101   | 600      | 0.078    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 37210    | 4.978    | ug/L   | 96       |
| 13) Acetone                   | 2.652  | 43    | 6321     | 4.118    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.870  | 63    | 169281   | 10.366   | ug/L   | 97       |
| 21) 2-Butanone                | 4.722  | 43    | 6928     | 2.367    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 821      | 0.089    | ug/L   | 87       |
| 27) 1,2-Dichloroethane        | 5.800  | 62    | 4564     | 0.423    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.693  | 83    | 13252    | 0.869    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 6382     | 0.653    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75    | 1926     | 0.130    | ug/L # | 60       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 7922     | 1.212    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

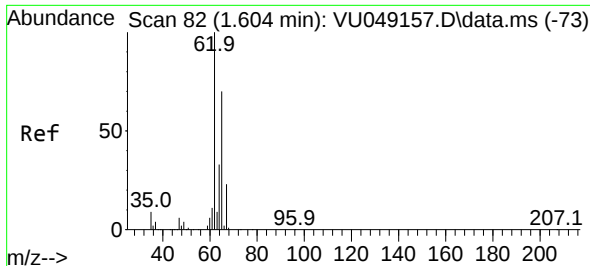
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jun 16 04:45:30 2022  
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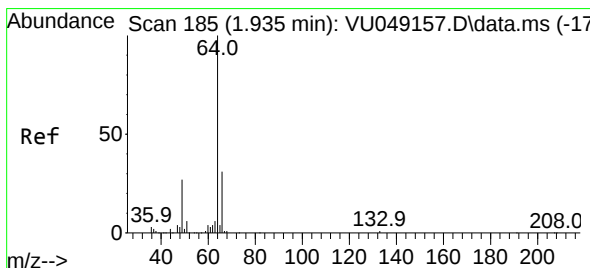
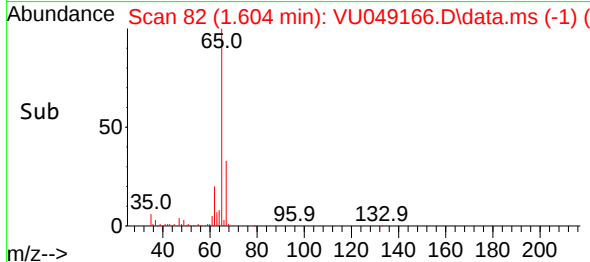
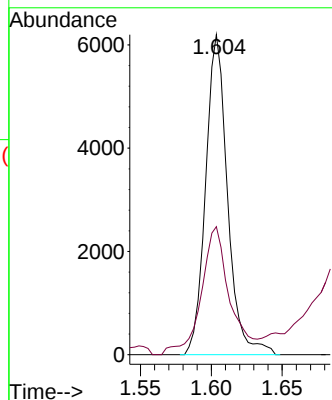
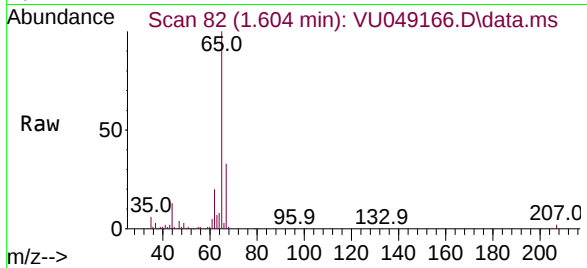




#5  
 Vinyl chloride  
 Concen: 0.595 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU049166.D  
 Acq: 15 Jun 2022 13:36

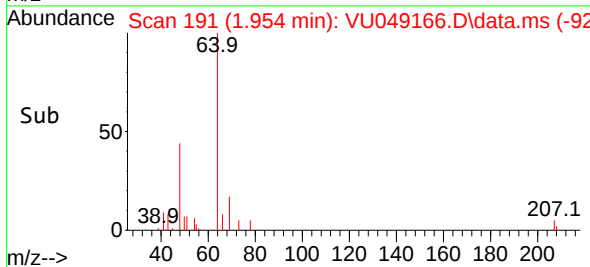
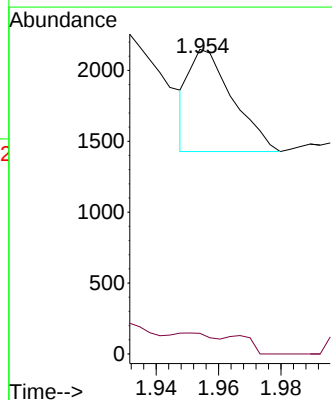
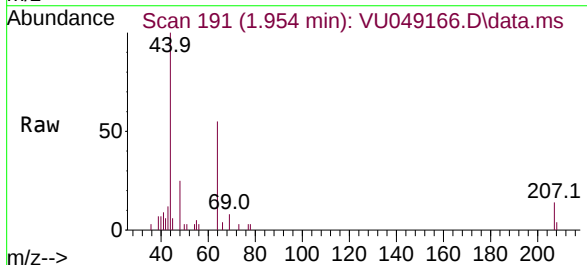
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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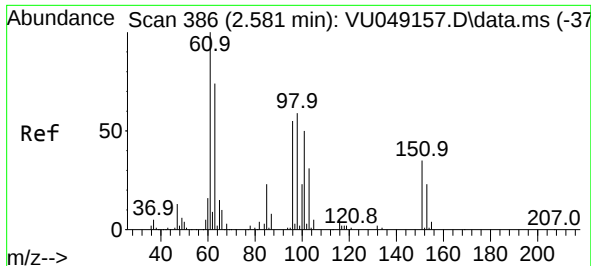
Tgt Ion: 62 Resp: 6654  
 Ion Ratio Lower Upper  
 62 100  
 64 40.0 22.8 42.4



#8  
 Chloroethane  
 Concen: 0.108 ug/L  
 RT: 1.954 min Scan# 191  
 Delta R.T. 0.019 min  
 Lab File: VU049166.D  
 Acq: 15 Jun 2022 13:36

Tgt Ion: 64 Resp: 701  
 Ion Ratio Lower Upper  
 64 100  
 66 6.7 20.9 38.9#

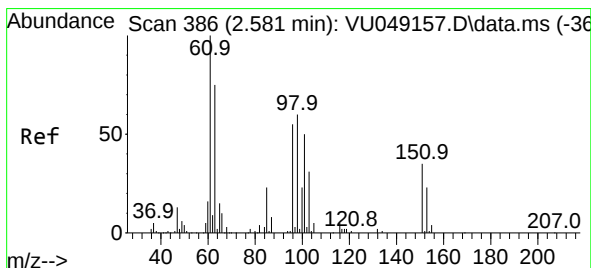
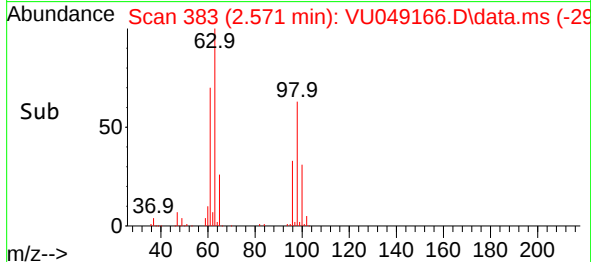
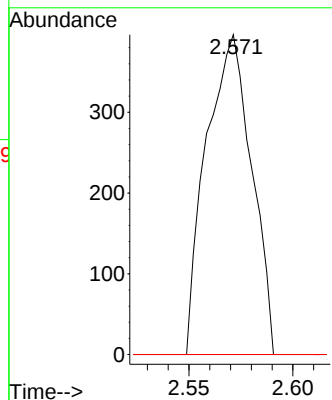
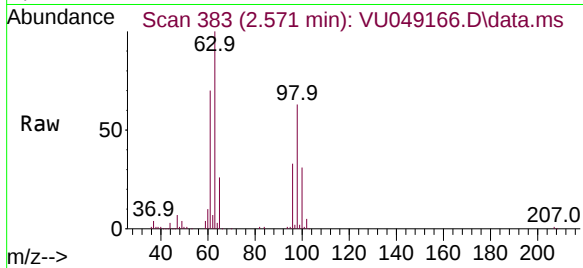




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.078 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.010 min  
 Lab File: VU049166.D  
 Acq: 15 Jun 2022 13:36

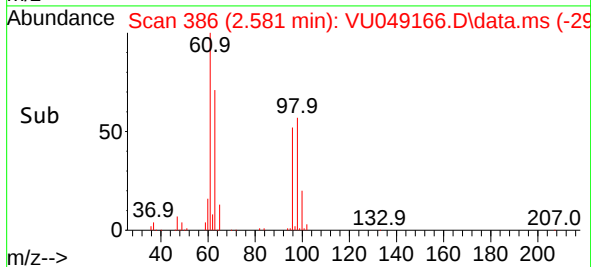
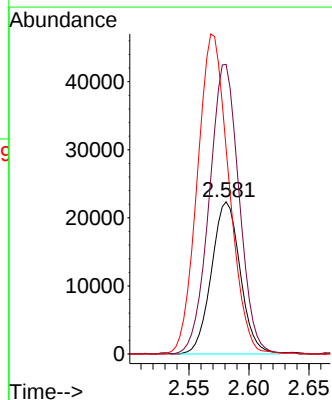
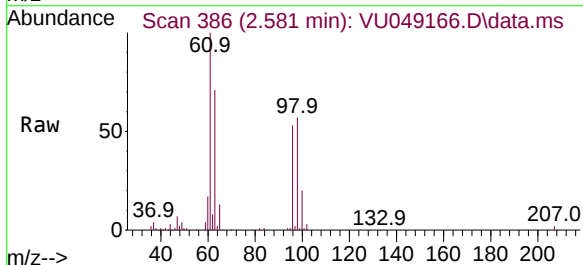
Instrument :  
 MSVOA\_U  
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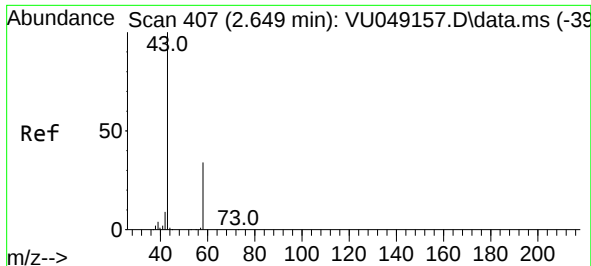
Tgt Ion:101 Resp: 600  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 36.1 54.1#  
 151 0.0 56.8 85.2#



#12  
 1,1-Dichloroethene  
 Concen: 4.978 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. -0.000 min  
 Lab File: VU049166.D  
 Acq: 15 Jun 2022 13:36

Tgt Ion: 96 Resp: 37210  
 Ion Ratio Lower Upper  
 96 100  
 61 190.3 127.2 236.2  
 63 134.8 94.7 175.9





#13

Acetone

Concen: 4.118 ug/L

RT: 2.652 min Scan# 407

Delta R.T. 0.003 min

Lab File: VU049166.D

Acq: 15 Jun 2022 13:36

Instrument :

MSVOA\_U

ClientSampleId :

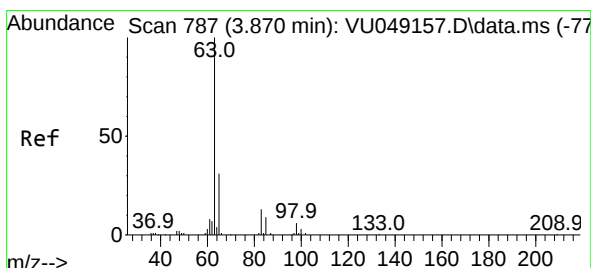
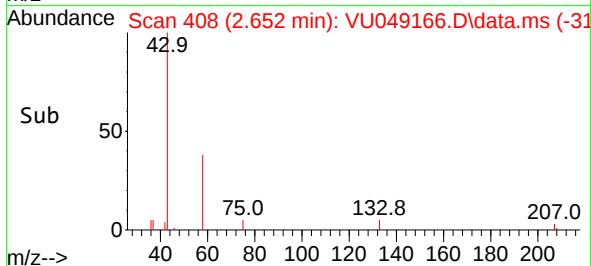
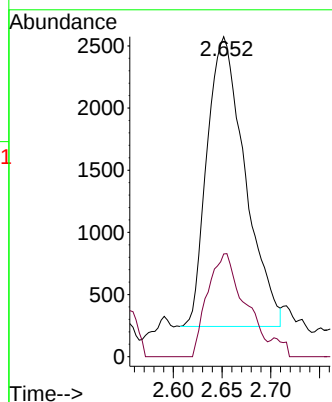
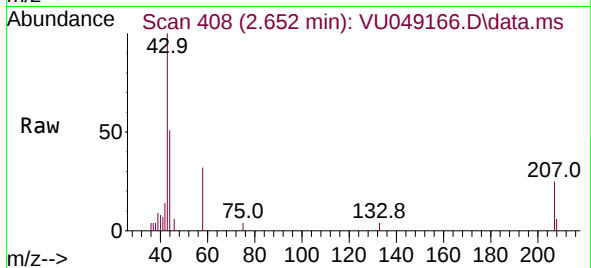
BGJA3

Tgt Ion: 43 Resp: 6321

Ion Ratio Lower Upper

43 100

58 34.5 0.0 65.8



#19

1,1-Dichloroethane

Concen: 10.366 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU049166.D

Acq: 15 Jun 2022 13:36

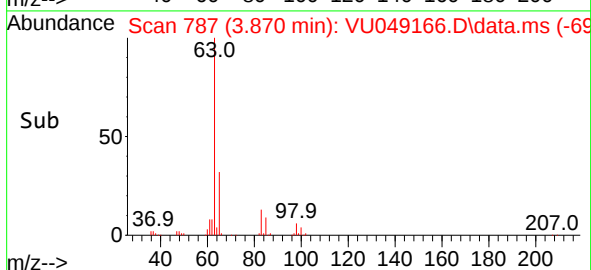
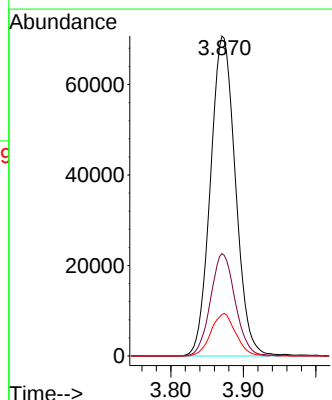
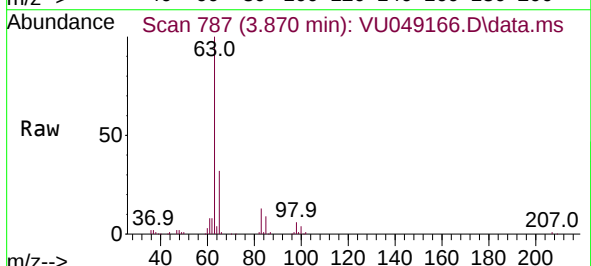
Tgt Ion: 63 Resp: 169281

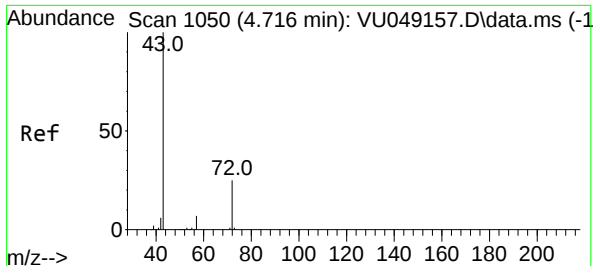
Ion Ratio Lower Upper

63 100

65 32.0 24.0 44.6

83 13.0 9.1 16.9

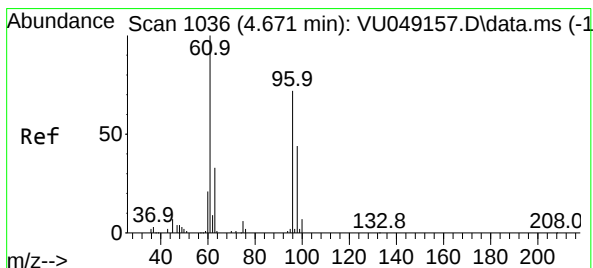
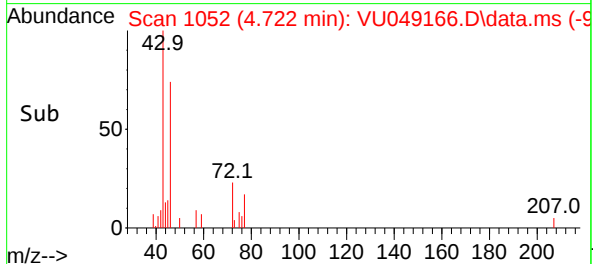
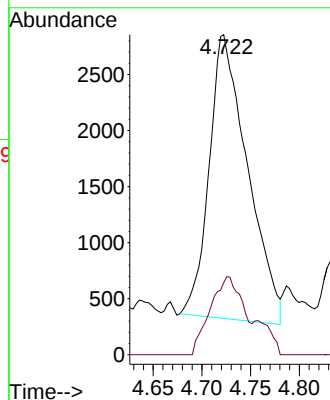
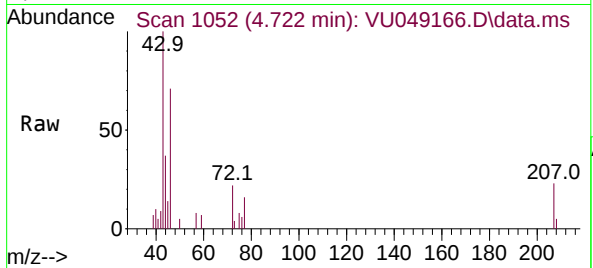




#21  
2-Butanone  
Concen: 2.367 ug/L  
RT: 4.722 min Scan# 1052  
Delta R.T. 0.006 min  
Lab File: VU049166.D  
Acq: 15 Jun 2022 13:36

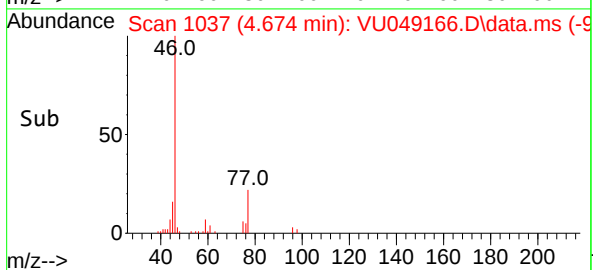
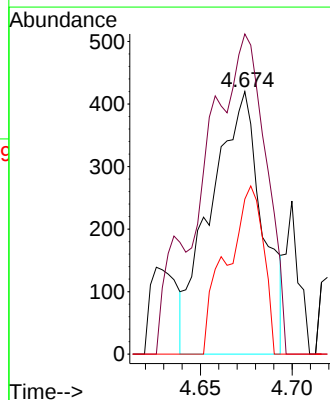
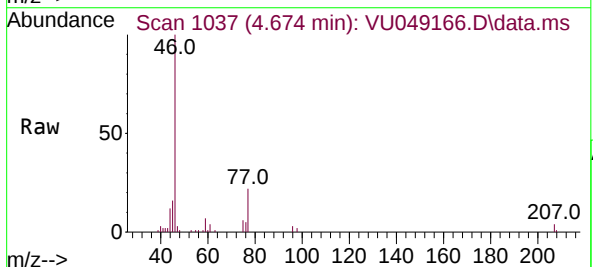
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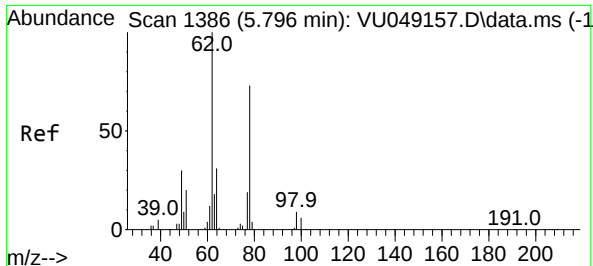
Tgt Ion: 43 Resp: 6928  
Ion Ratio Lower Upper  
43 100  
72 23.4 12.2 36.6



#22  
cis-1,2-Dichloroethene  
Concen: 0.089 ug/L  
RT: 4.674 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VU049166.D  
Acq: 15 Jun 2022 13:36

Tgt Ion: 96 Resp: 821  
Ion Ratio Lower Upper  
96 100  
61 121.9 99.5 184.9  
98 59.0 44.8 83.2





#27

1,2-Dichloroethane

Concen: 0.423 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049166.D

Acq: 15 Jun 2022 13:36

Instrument :

MSVOA\_U

ClientSampleId :

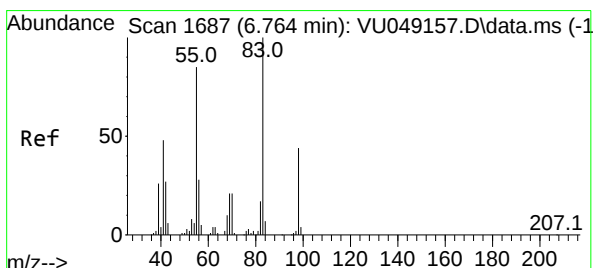
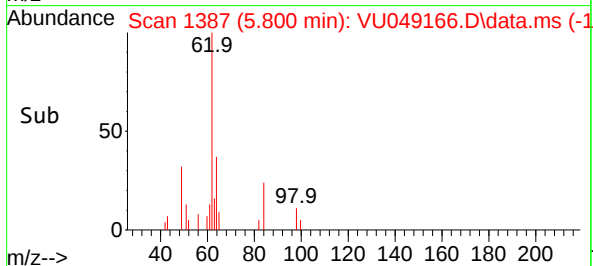
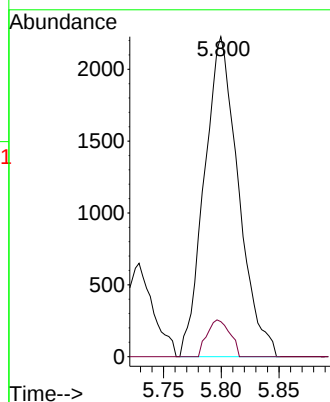
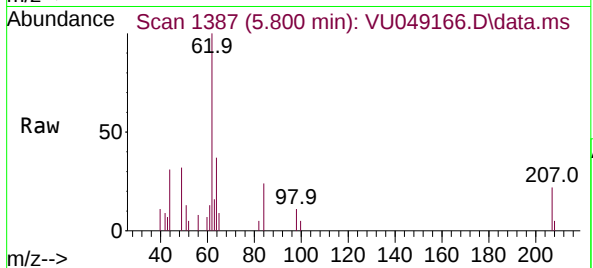
BGJA3

Tgt Ion: 62 Resp: 4564

Ion Ratio Lower Upper

62 100

98 11.0 7.6 11.4



#35

Methylcyclohexane

Concen: 0.869 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU049166.D

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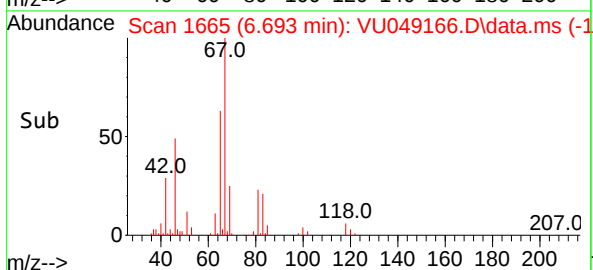
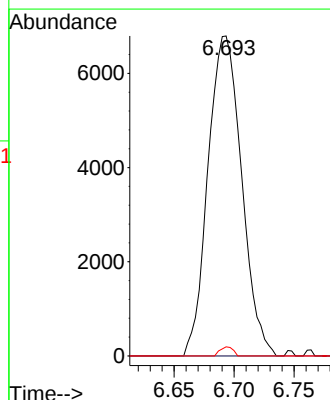
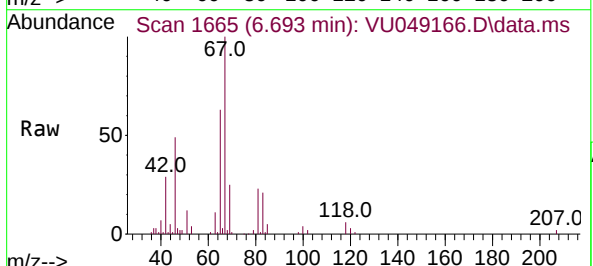
Tgt Ion: 83 Resp: 13252

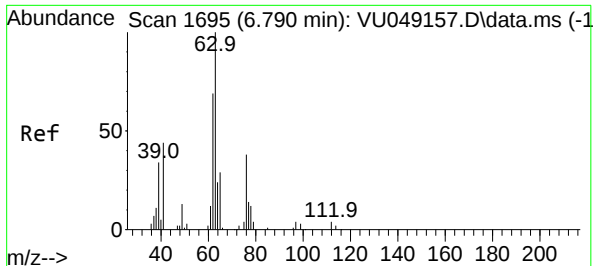
Ion Ratio Lower Upper

83 100

55 0.3 66.9 100.3#

98 1.1 35.5 53.3#

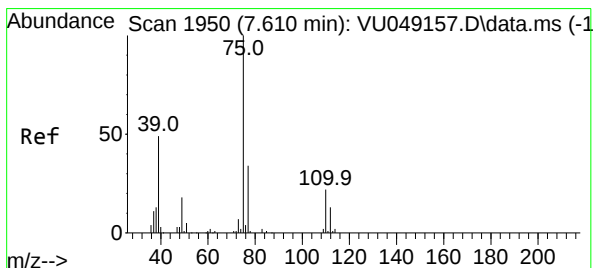
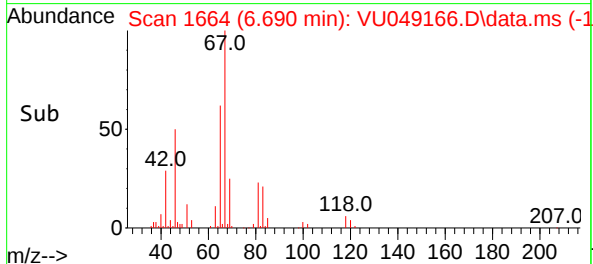
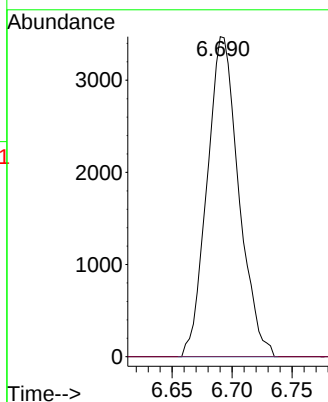
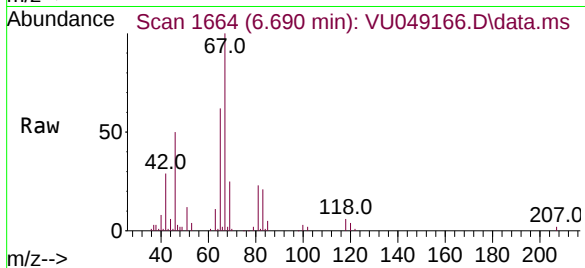




#37  
1,2-Dichloropropane  
Concen: 0.653 ug/L  
RT: 6.690 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU049166.D  
Acq: 15 Jun 2022 13:36

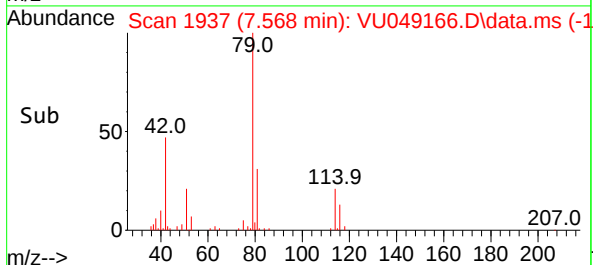
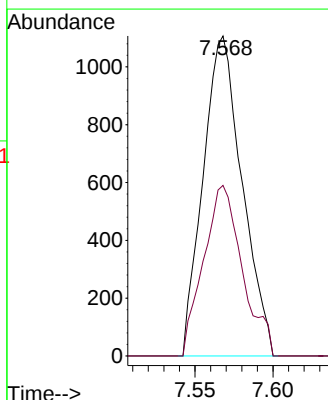
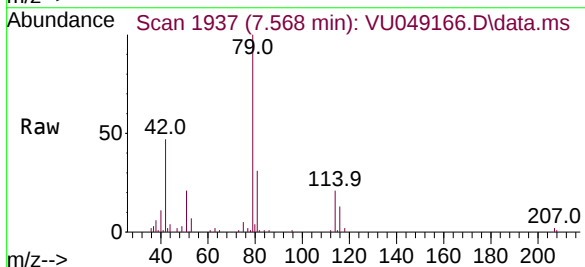
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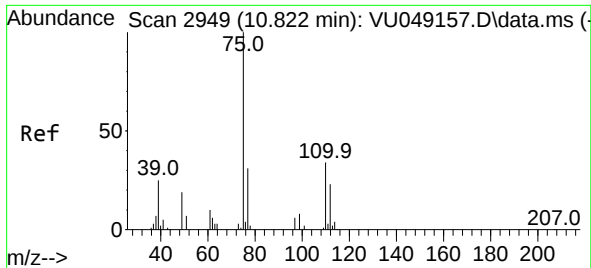
Tgt Ion: 63 Resp: 6382  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.8 4.2#



#39  
cis-1,3-Dichloropropene  
Concen: 0.130 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.042 min  
Lab File: VU049166.D  
Acq: 15 Jun 2022 13:36

Tgt Ion: 75 Resp: 1926  
Ion Ratio Lower Upper  
75 100  
77 53.3 21.8 40.4#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.212 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU049166.D  
 Acq: 15 Jun 2022 13:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGJA3

Tgt Ion: 75 Resp: 7922  
 Ion Ratio Lower Upper  
 75 100  
 110 1.3 29.0 43.4#  
 77 32.9 26.2 39.2

