

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072622\  
 Data File : VU049924.D  
 Acq On : 26 Jul 2022 20:02  
 Operator : SY/MD  
 Sample : N3870-13DL 25X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJ12DL

Quant Time: Jul 27 03:59:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 27 03:55:15 2022  
 Response via : Initial Calibration

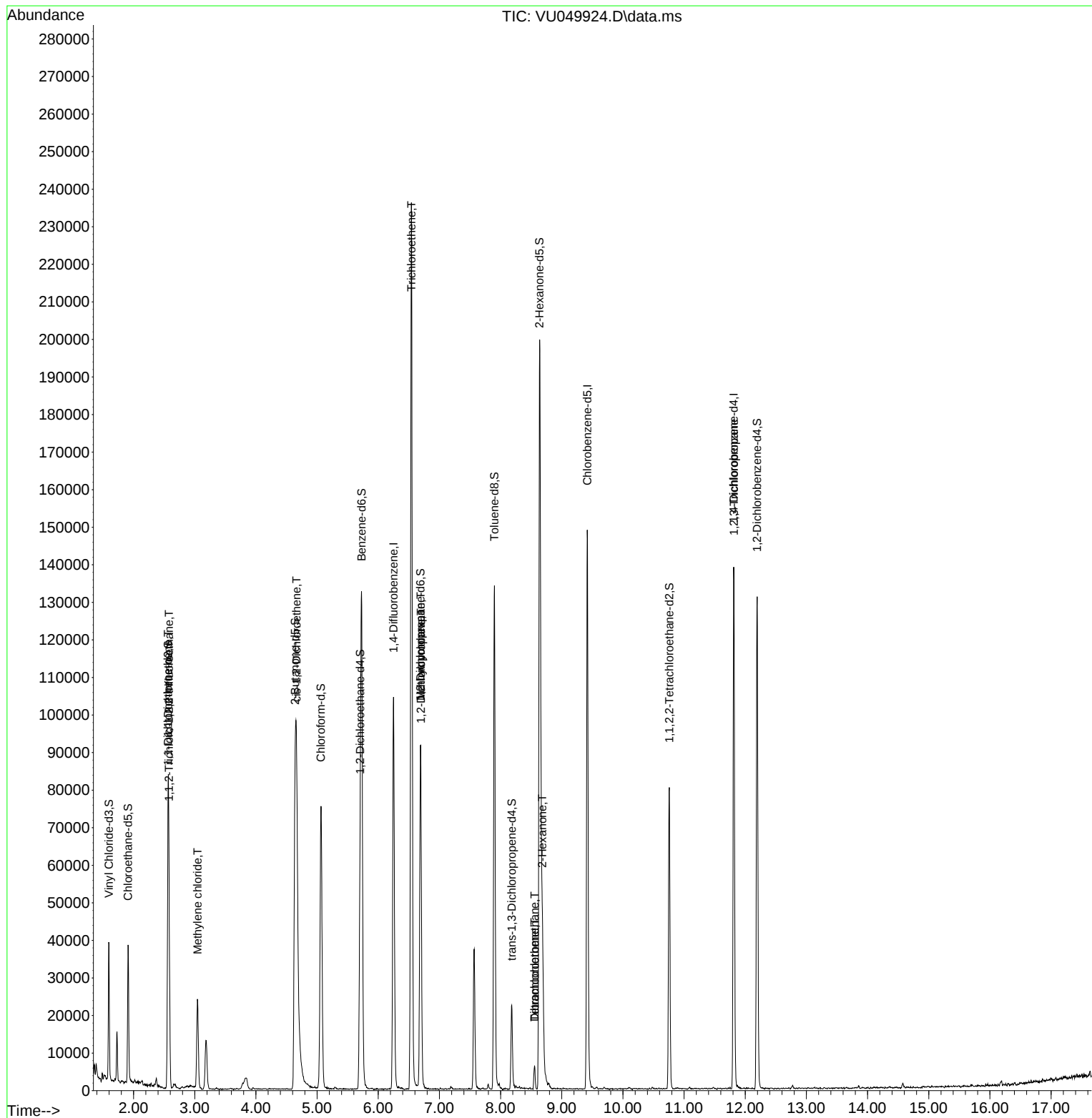
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 81145    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 80571    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 35355    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.594  | 65             | 26692    | 4.063  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 81.200%  |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 25009    | 4.549  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 91.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65             | 12173    | 4.152  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 83.000%  |          |
| 20) 2-Butanone-d5             | 4.642  | 46             | 131099   | 55.463 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 110.920% |          |
| 24) Chloroform-d              | 5.063  | 84             | 69844    | 4.774  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 40922    | 4.770  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 95.400%  |          |
| 32) Benzene-d6                | 5.729  | 84             | 115577   | 4.210  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 43378    | 4.573  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.400%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 88754    | 3.698  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79             | 13877    | 4.030  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 80.600%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 60739    | 44.511 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 89.020%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 40297    | 5.059  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152            | 34420    | 4.717  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 94.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101            | 14421    | 2.722  | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.565  | 96             | 834      | 0.156  | ug/L #   | 1        |
| 16) Methylene chloride        | 3.044  | 84             | 10335    | 0.855  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 15096    | 2.103  | ug/L     | 96       |
| 34) Trichloroethene           | 6.542  | 95             | 81113    | 11.443 | ug/L     | 97       |
| 35) Methylcyclohexane         | 6.693  | 83             | 9608     | 1.099  | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 6.697  | 63             | 4940     | 0.593  | ug/L #   | 89       |
| 47) Tetrachloroethene         | 8.555  | 164            | 1240     | 0.254  | ug/L     | 87       |
| 48) 2-Hexanone                | 8.684  | 43             | 21460    | 4.947  | ug/L #   | 89       |
| 49) Dibromochloromethane      | 8.555  | 129            | 1205     | 0.181  | ug/L #   | 14       |
| 61) 1,2,3-Trichloropropane    | 11.815 | 75             | 4590     | 0.974  | ug/L #   | 70       |
| -----                         |        |                |          |        |          |          |

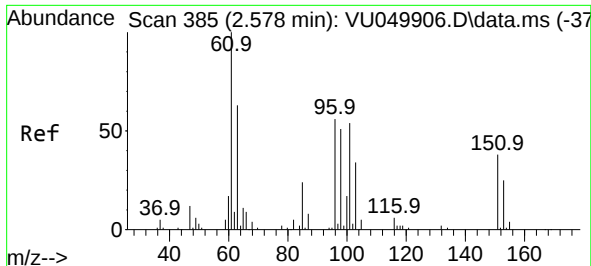
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

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GBJ12DL

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QLast Update : Wed Jul 27 03:55:15 2022  
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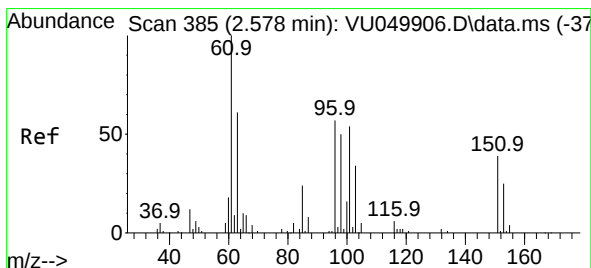
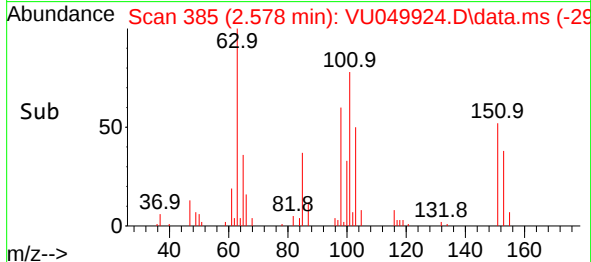
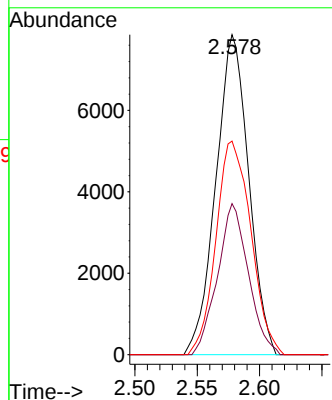
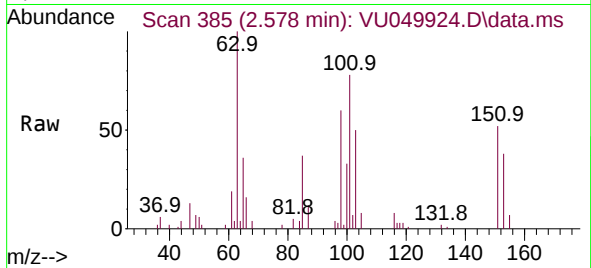




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.722 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU049924.D  
 Acq: 26 Jul 2022 20:02

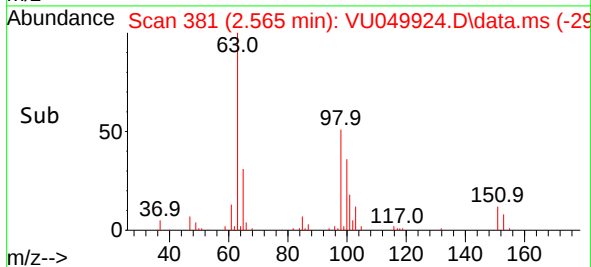
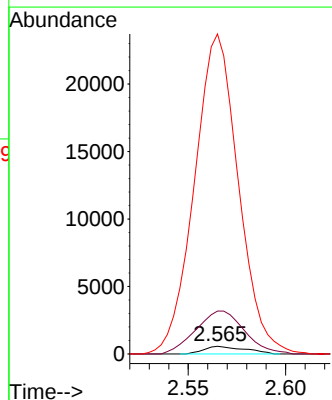
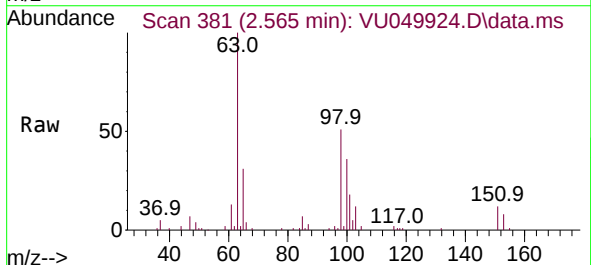
Instrument :  
 MSVOA\_U  
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 GBJ12DL

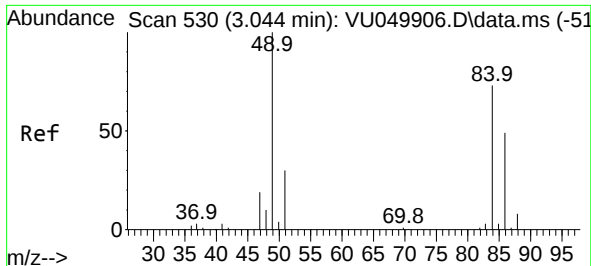
Tgt Ion: 101 Resp: 14421  
 Ion Ratio Lower Upper  
 101 100  
 85 44.3 37.2 55.8  
 151 71.0 56.0 84.0



#12  
 1,1-Dichloroethene  
 Concen: 0.156 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU049924.D  
 Acq: 26 Jul 2022 20:02

Tgt Ion: 96 Resp: 834  
 Ion Ratio Lower Upper  
 96 100  
 61 563.0 131.6 244.4#  
 63 4196.8 100.0 185.6#

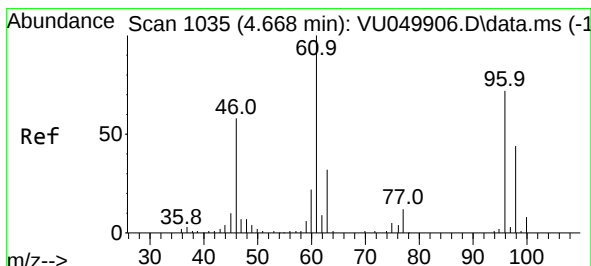
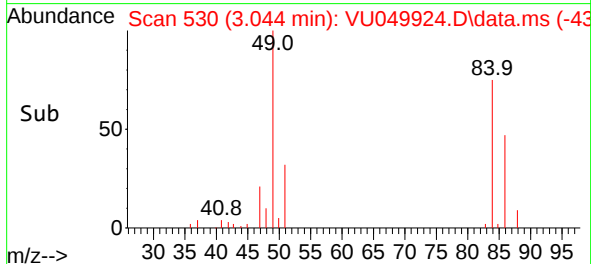
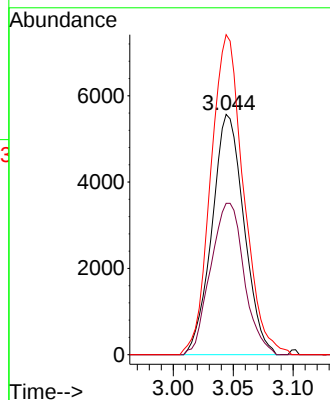
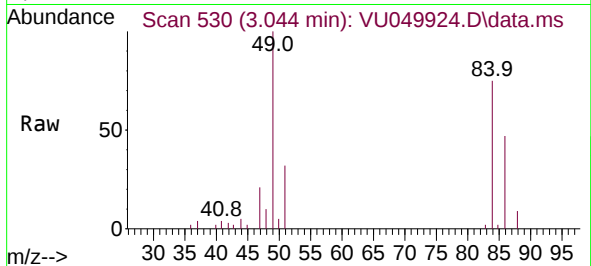




#16  
Methylene chloride  
Concen: 0.855 ug/L  
RT: 3.044 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

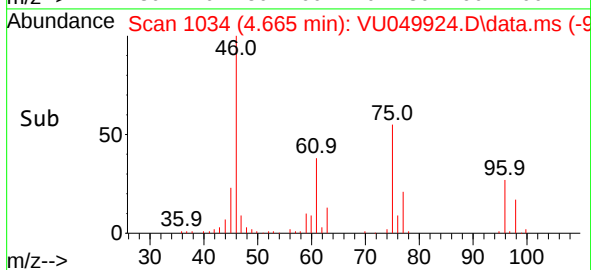
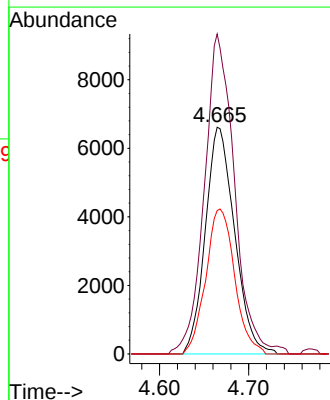
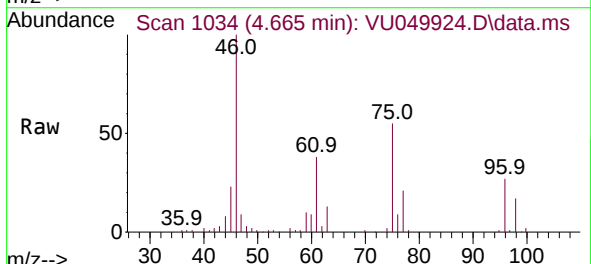
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJ12DL

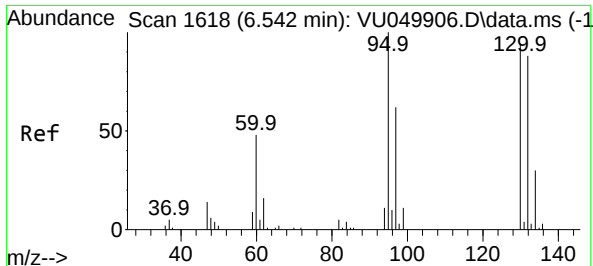
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 10335 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 63.0  | 45.5  | 84.5  |
| 49       | 133.2 | 94.1  | 174.8 |



#22  
cis-1,2-Dichloroethene  
Concen: 2.103 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.003 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 15096 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 141.1 | 93.9  | 174.3 |
| 98       | 63.2  | 43.9  | 81.5  |



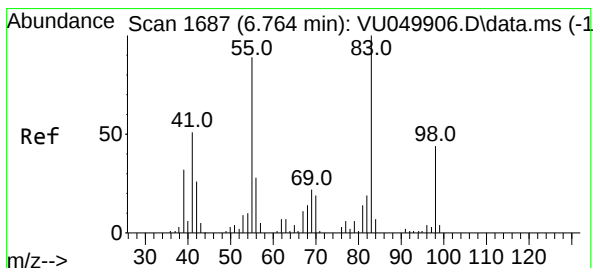
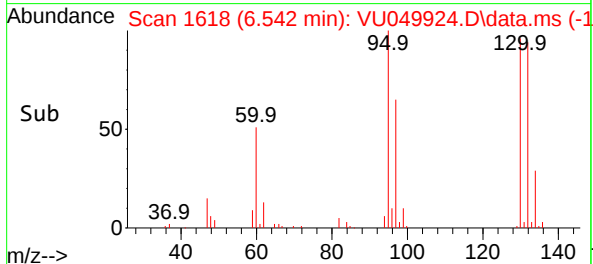
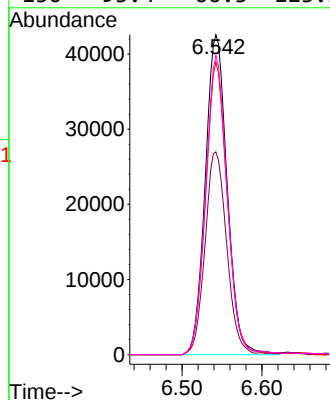
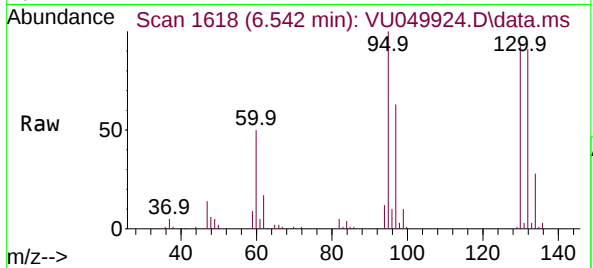


#34  
Trichloroethene  
Concen: 11.443 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJ12DL

Tgt Ion: 95 Resp: 81113

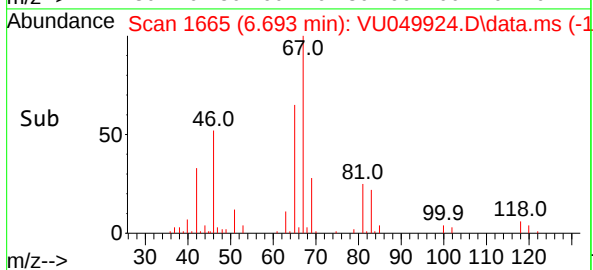
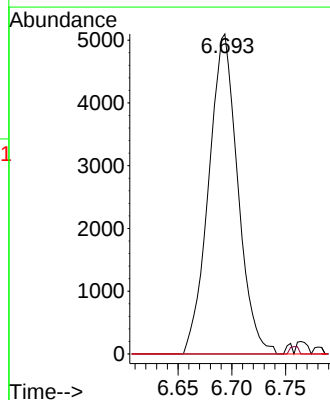
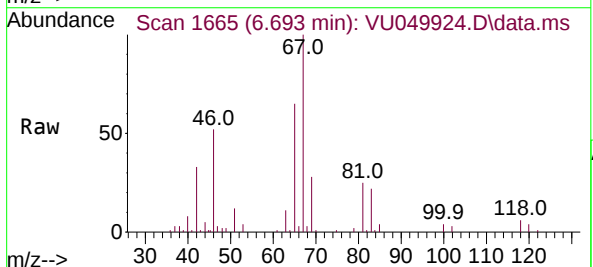
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.4  | 46.8  | 86.8  |
| 132 | 91.4  | 61.8  | 114.8 |
| 130 | 93.4  | 66.3  | 123.1 |

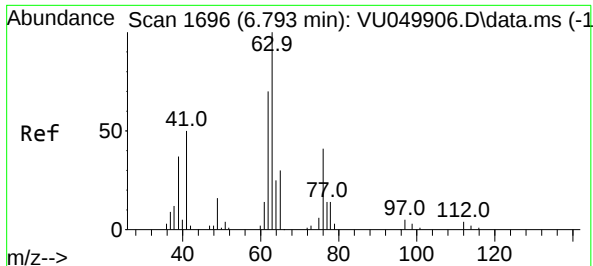


#35  
Methylcyclohexane  
Concen: 1.099 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.071 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

Tgt Ion: 83 Resp: 9608

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.7   | 69.0  | 103.4# |
| 98  | 3.2   | 36.4  | 54.6#  |





#37

1,2-Dichloropropane

Concen: 0.593 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU049924.D

Acq: 26 Jul 2022 20:02

Instrument :

MSVOA\_U

ClientSampleId :

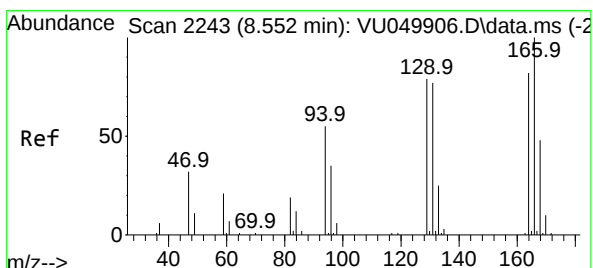
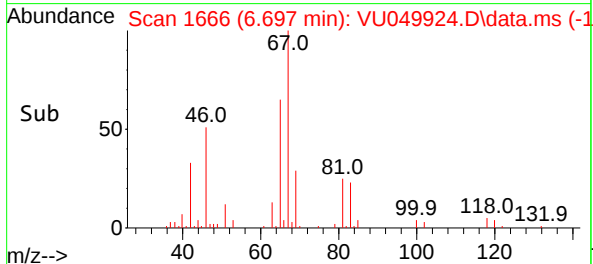
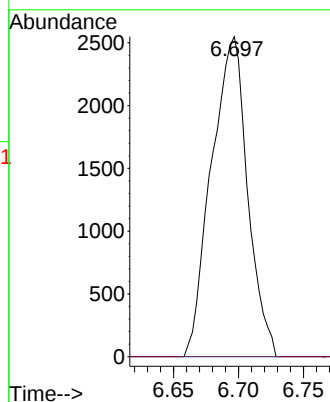
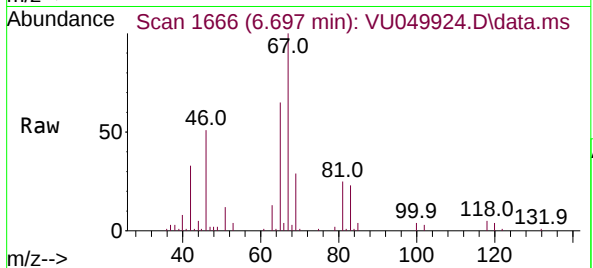
GBJ12DL

Tgt Ion: 63 Resp: 4940

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#47

Tetrachloroethene

Concen: 0.254 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049924.D

Acq: 26 Jul 2022 20:02

Tgt Ion: 164 Resp: 1240

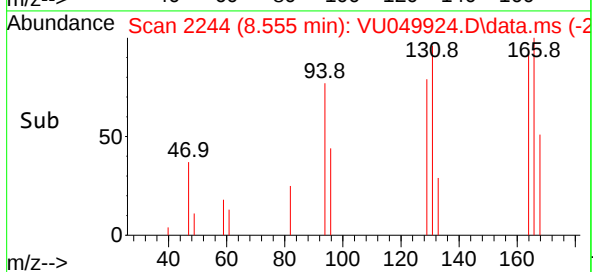
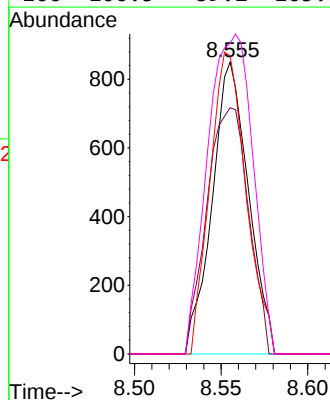
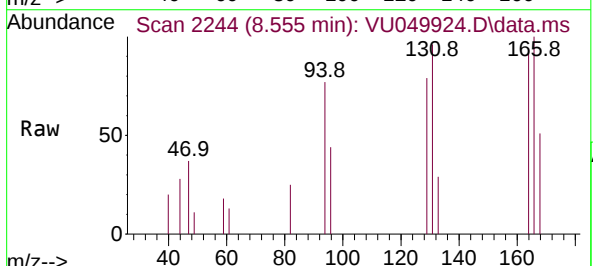
Ion Ratio Lower Upper

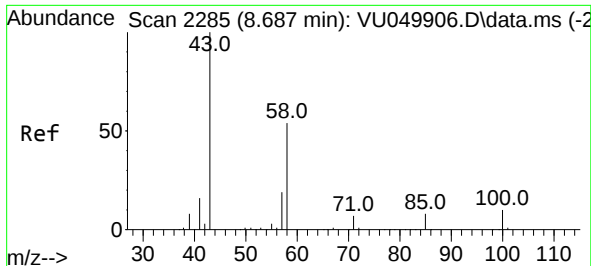
164 100

129 84.4 68.9 127.9

131 102.1 67.5 125.4

166 106.5 89.2 165.8

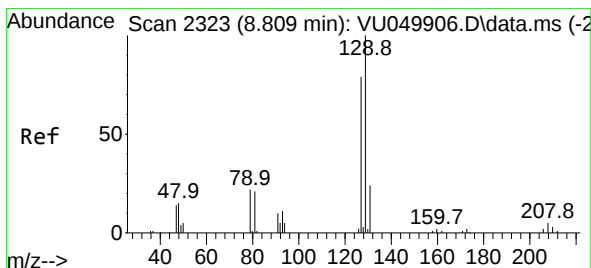
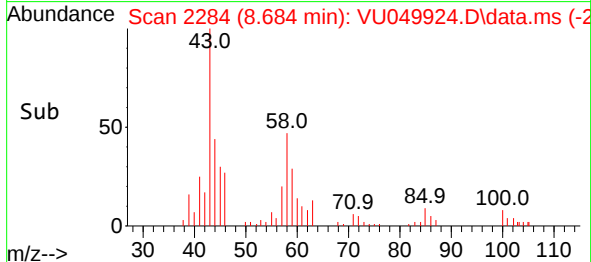
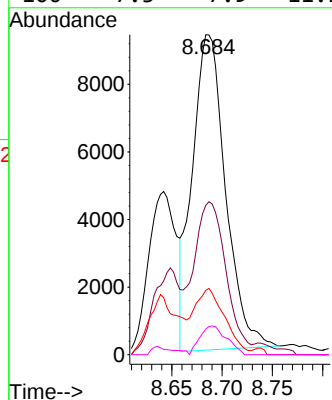
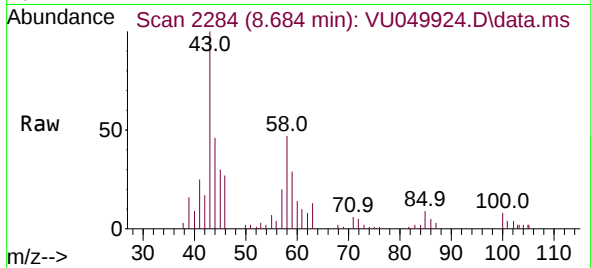




#48  
2-Hexanone  
Concen: 4.947 ug/L  
RT: 8.684 min Scan# 21460  
Delta R.T. -0.003 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

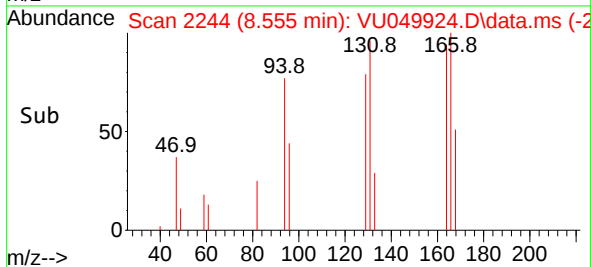
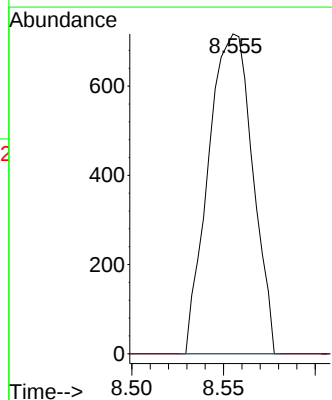
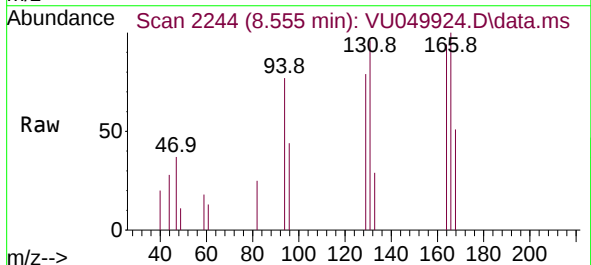
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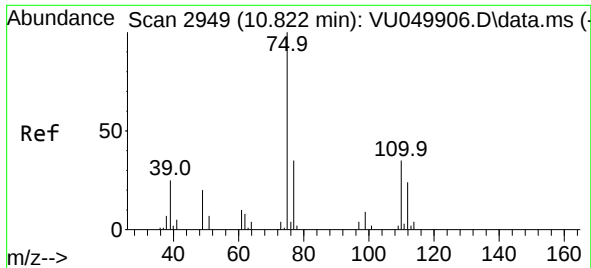
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|-------------|-------------|
| Tgt Ion: 43 | Resp: 21460 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 42.9     | 42.1 63.1   |
| 57 19.4     | 14.3 21.5   |
| 100 7.3     | 7.9 11.9#   |



#49  
Dibromochloromethane  
Concen: 0.181 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.254 min  
Lab File: VU049924.D  
Acq: 26 Jul 2022 20:02

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 1205  |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 0.0   | 50.5  | 93.7# |





#61  
 1,2,3-Trichloropropane  
 Concen: 0.974 ug/L  
 RT: 11.815 min Scan# 31  
 Delta R.T. 0.993 min  
 Lab File: VU049924.D  
 Acq: 26 Jul 2022 20:02

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJ12DL

Tgt Ion: 75 Resp: 4590  
 Ion Ratio Lower Upper  
 75 100  
 110 2.7 28.0 42.0#  
 77 30.8 25.4 38.2

