

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062022\  
 Data File : VU049303.D  
 Acq On : 20 Jun 2022 14:15  
 Operator : SY/MD  
 Sample : N3395-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0161

Quant Time: Jun 21 01:11:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 21 01:08:31 2022  
 Response via : Initial Calibration

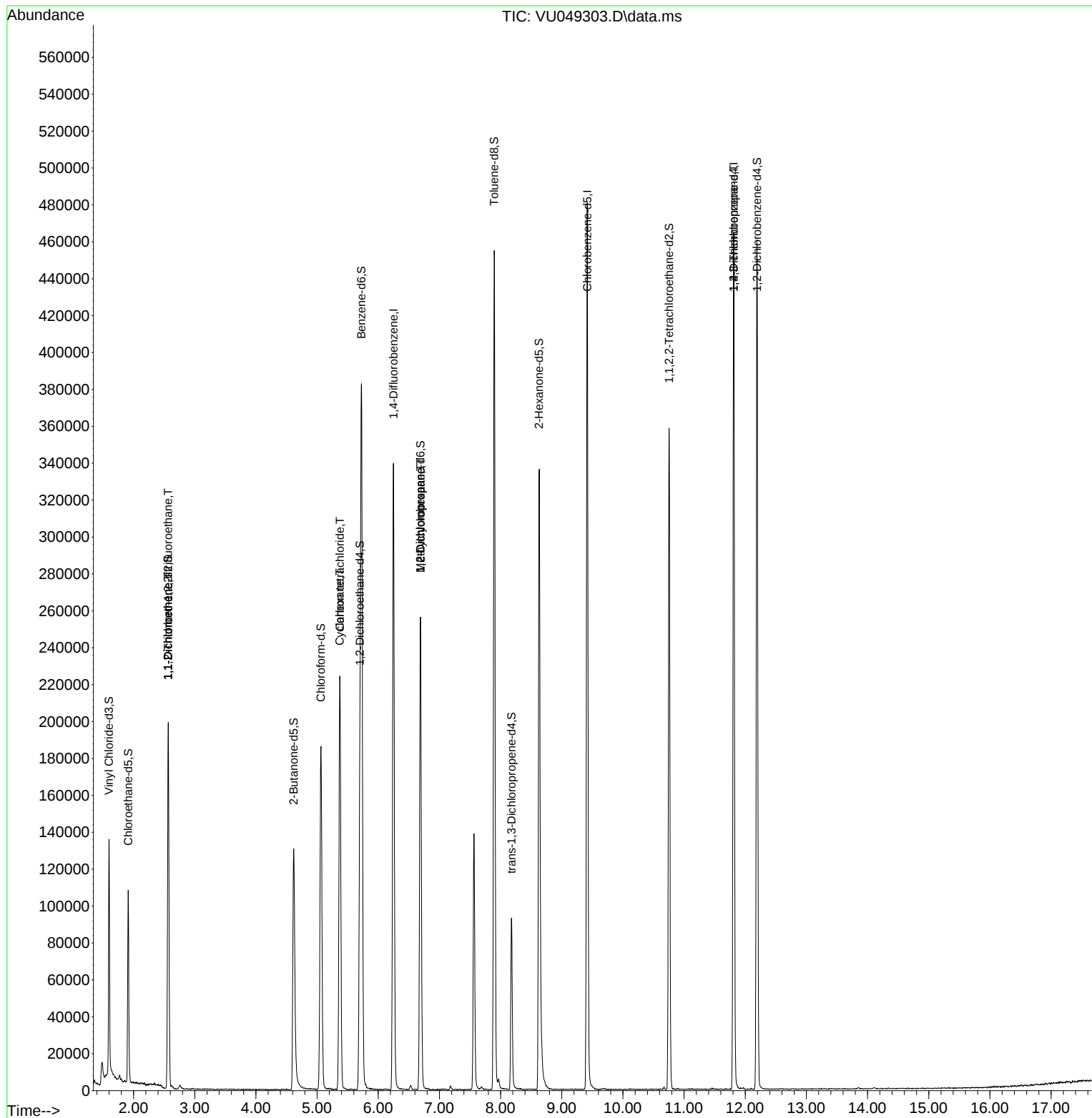
| Compound                      | R.T. QIon      |     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|----------------|-----|----------|------------|--------|----------|
| -----                         |                |     |          |            |        |          |
| Internal Standards            |                |     |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114 | 269416   | 50.000     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117 | 258239   | 50.000     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152 | 120658   | 50.000     | ug/L   | 0.00     |
| System Monitoring Compounds   |                |     |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65  | 88287    | 53.194     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |     | Recovery | = 106.380% |        |          |
| 7) Chloroethane-d5            | 1.912          | 69  | 71950    | 59.041     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |     | Recovery | = 118.080% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63  | 118276   | 37.766     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 75.540%  |        |          |
| 21) 2-Butanone-d5             | 4.616          | 46  | 198731   | 109.210    | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |     | Recovery | = 109.210% |        |          |
| 24) Chloroform-d              | 5.063          | 84  | 173850   | 49.101     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 98.200%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65  | 120571   | 52.563     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 105.120% |        |          |
| 32) Benzene-d6                | 5.726          | 84  | 344141   | 53.743     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 107.480% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67  | 122065   | 56.704     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |     | Recovery | = 113.400% |        |          |
| 41) Toluene-d8                | 7.896          | 98  | 294946   | 52.228     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 104.460% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79  | 53213    | 52.544     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 105.080% |        |          |
| 47) 2-Hexanone-d5             | 8.629          | 63  | 118389   | 105.080    | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |     | Recovery | = 105.080% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84  | 181085   | 50.365     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |     | Recovery | = 100.740% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152 | 115659   | 55.092     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 110.180% |        |          |
| Target Compounds              |                |     |          |            |        |          |
|                               |                |     |          |            | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565          | 101 | 881      | 0.464      | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.565          | 96  | 882      | 0.531      | ug/L # | 1        |
| 29) Cyclohexane               | 5.369          | 56  | 3560     | 1.232      | ug/L # | 14       |
| 31) Carbon tetrachloride      | 5.372          | 117 | 15924    | 5.056      | ug/L # | 6        |
| 35) Methylcyclohexane         | 6.690          | 83  | 26792    | 9.102      | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.690          | 63  | 13098    | 5.552      | ug/L # | 88       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75  | 16079    | 5.254      | ug/L # | 67       |
| -----                         |                |     |          |            |        |          |

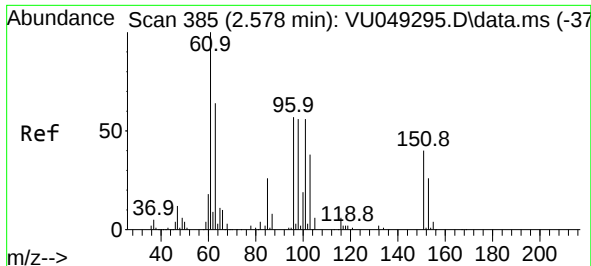
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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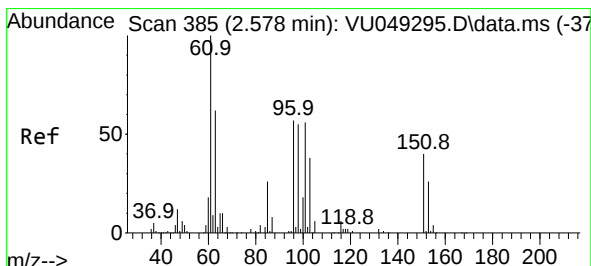
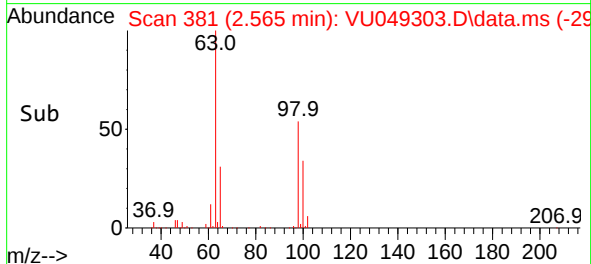
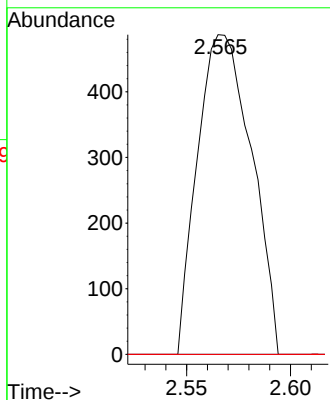
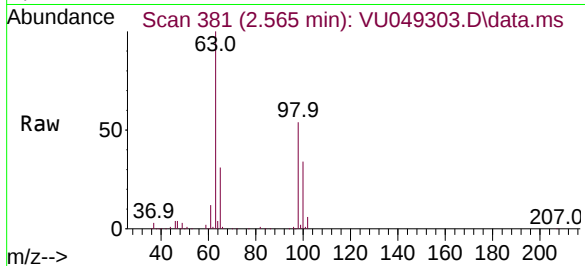




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.464 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU049303.D  
 Acq: 20 Jun 2022 14:15

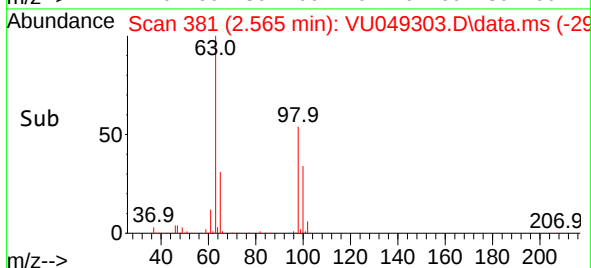
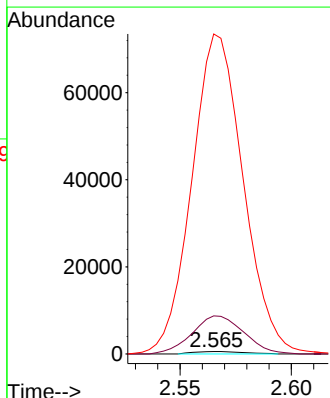
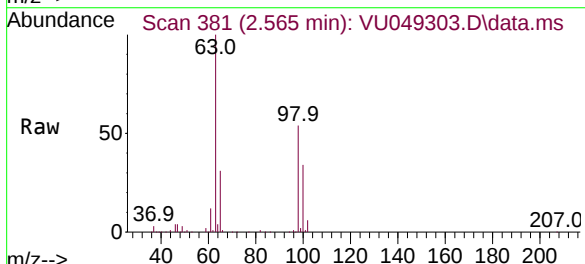
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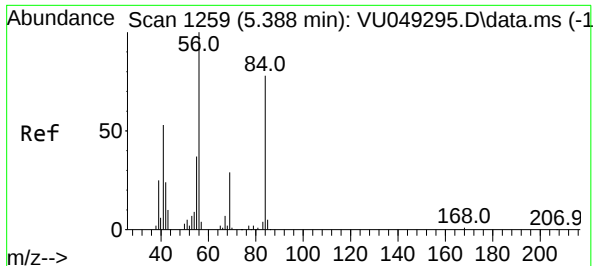
Tgt Ion: 101 Resp: 881  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.2 52.8#  
 151 0.0 61.4 92.2#



#12  
 1,1-Dichloroethene  
 Concen: 0.531 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU049303.D  
 Acq: 20 Jun 2022 14:15

Tgt Ion: 96 Resp: 882  
 Ion Ratio Lower Upper  
 96 100  
 61 975.6 123.5 229.3#  
 63 8183.5 86.0 159.8#





#29

Cyclohexane

Concen: 1.232 ug/L

RT: 5.369 min Scan# 1

Delta R.T. -0.019 min

Lab File: VU049303.D

Acq: 20 Jun 2022 14:15

Instrument :

MSVOA\_U

ClientSampleId :

C0161

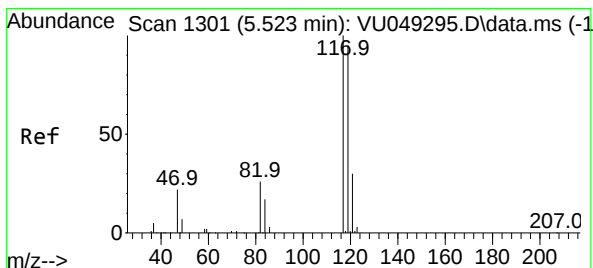
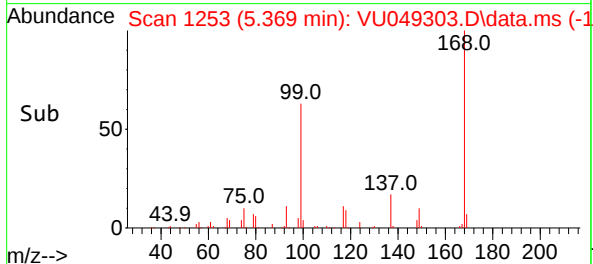
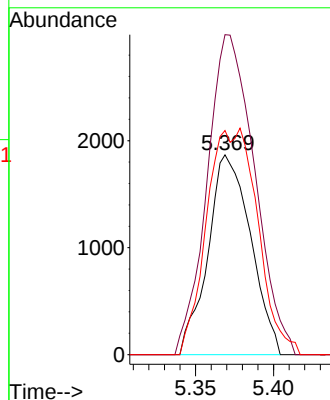
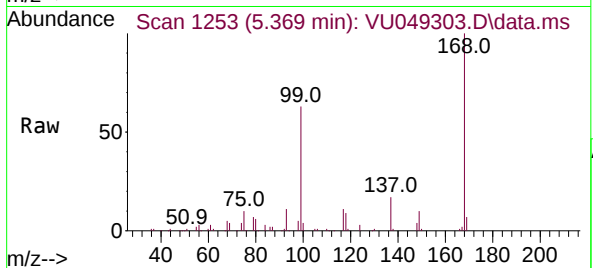
Tgt Ion: 56 Resp: 3560

Ion Ratio Lower Upper

56 100

69 178.0 24.6 36.8#

84 67.3 69.7 104.5#



#31

Carbon tetrachloride

Concen: 5.056 ug/L

RT: 5.372 min Scan# 1254

Delta R.T. -0.151 min

Lab File: VU049303.D

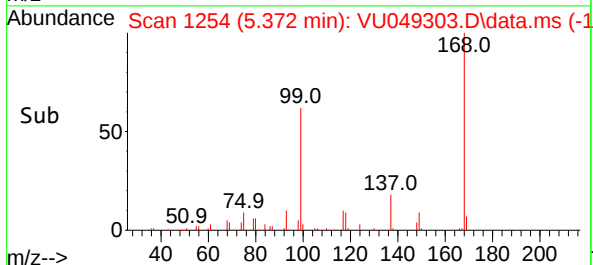
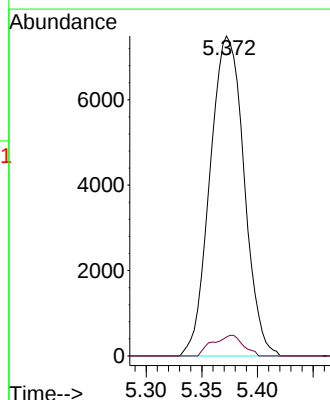
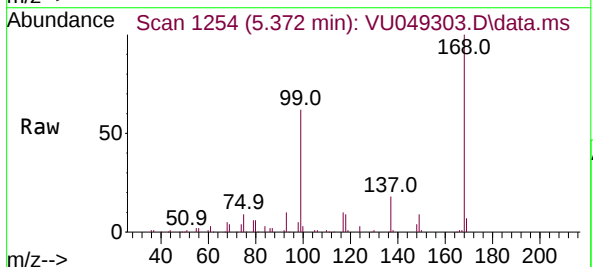
Acq: 20 Jun 2022 14:15

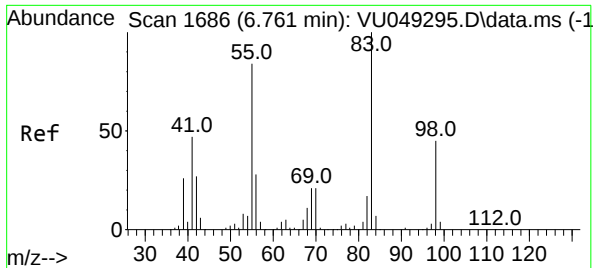
Tgt Ion: 117 Resp: 15924

Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

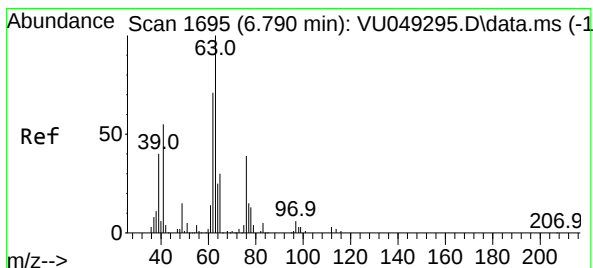
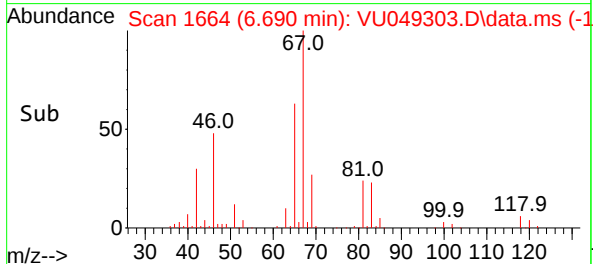
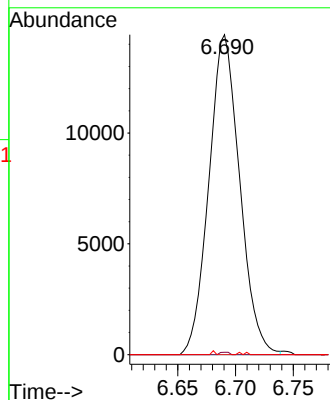
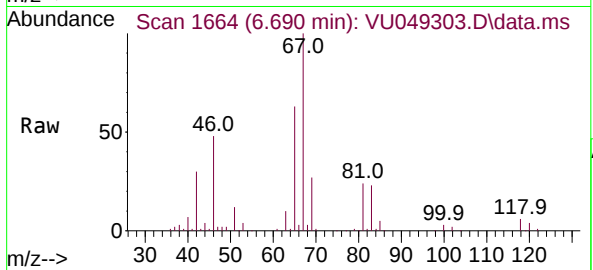




#35  
Methylcyclohexane  
Concen: 9.102 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU049303.D  
Acq: 20 Jun 2022 14:15

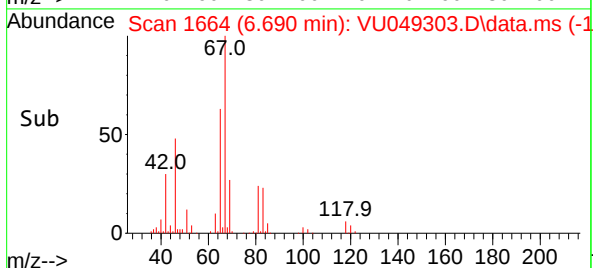
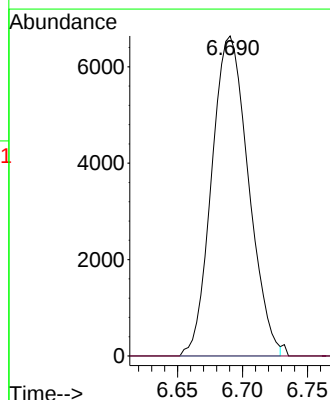
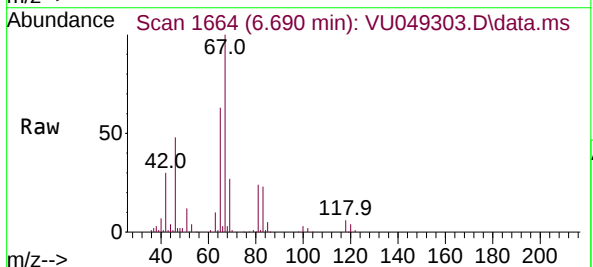
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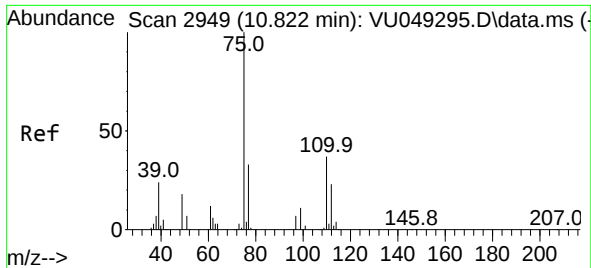
Tgt Ion: 83 Resp: 26792  
Ion Ratio Lower Upper  
83 100  
55 0.2 61.0 91.6#  
98 0.1 36.8 55.2#



#37  
1,2-Dichloropropane  
Concen: 5.552 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.100 min  
Lab File: VU049303.D  
Acq: 20 Jun 2022 14:15

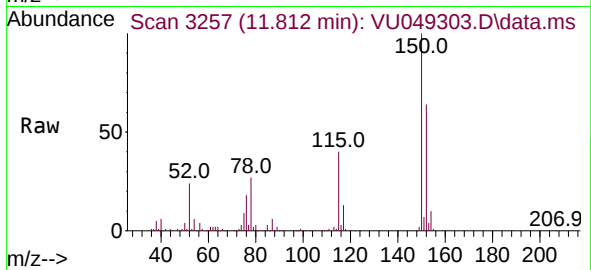
Tgt Ion: 63 Resp: 13098  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#60  
 1,2,3-Trichloropropane  
 Concen: 5.254 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU049303.D  
 Acq: 20 Jun 2022 14:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16079 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.9  | 26.6  | 40.0  |
| 110      | 2.4   | 30.2  | 45.4  |

