

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032522\  
 Data File : VU047679.D  
 Acq On : 25 Mar 2022 18:02  
 Operator : SY/MD  
 Sample : N2082-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW617

Quant Time: Mar 26 04:21:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 26 02:50:24 2022  
 Response via : Initial Calibration

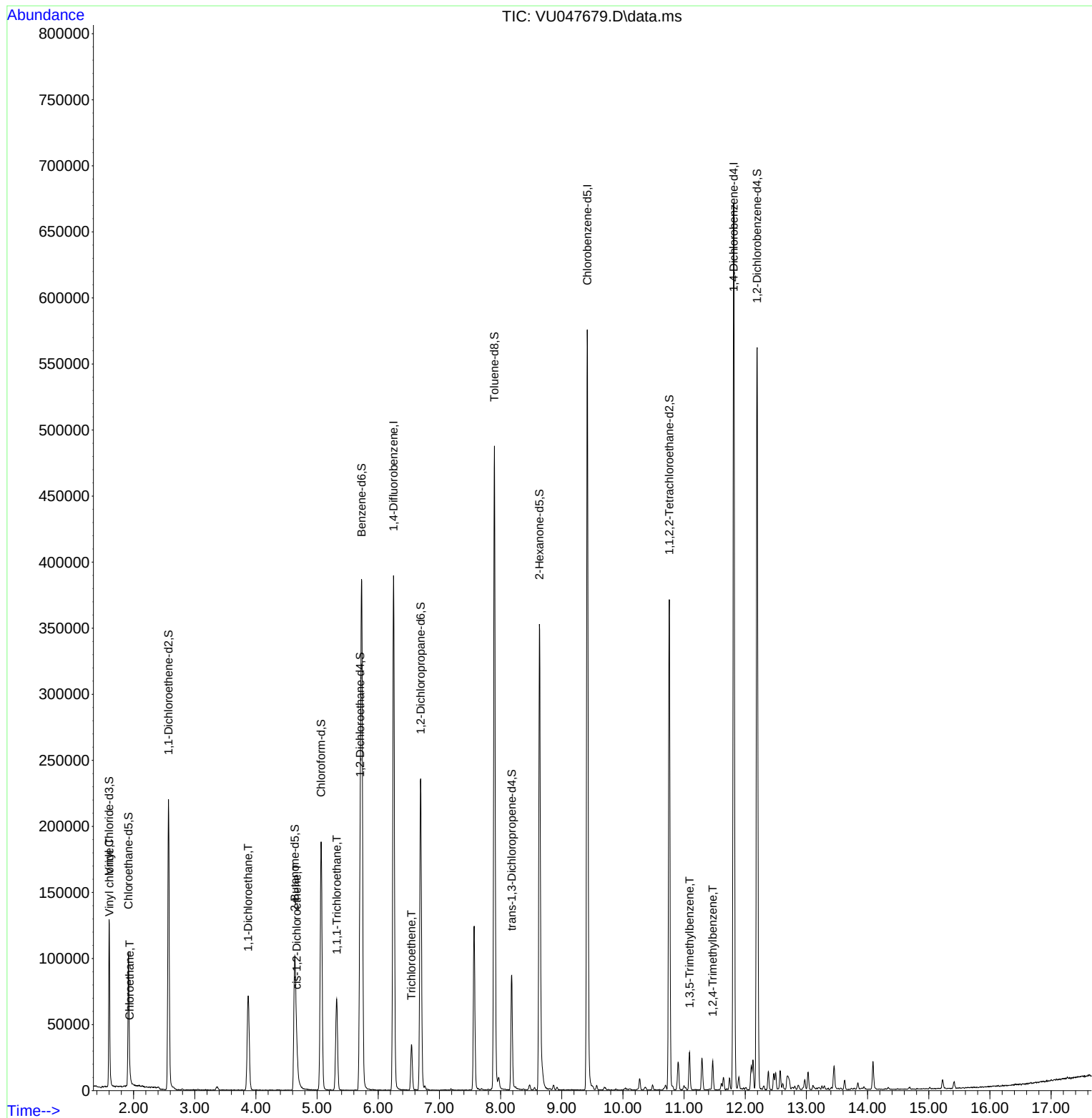
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 329953     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 343751     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 186449     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 90576      | 37.855   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 75.720%  |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 76279      | 40.431   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 80.860%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 125965     | 28.775   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 57.540%# |        |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 174047     | 84.748   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.750%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 175162     | 40.009   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.020%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 114236     | 42.544   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.080%  |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 359866     | 41.604   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.200%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 113906     | 42.880   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.760%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 332073     | 39.404   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 78.800%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 49486      | 36.771   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 73.540%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 124278     | 79.918   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 79.920%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 180825     | 39.664   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 79.320%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 146627     | 44.203   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.400%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        |          |
| 5) Vinyl chloride             | 1.607          | 62   | 3193       | 1.070    | ug/L # | 60       |
| 8) Chloroethane               | 1.938          | 64   | 2930       | 1.564    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 83694      | 19.879   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.668          | 96   | 3989       | 1.490    | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.321          | 97   | 50476      | 12.950   | ug/L   | 99       |
| 34) Trichloroethene           | 6.542          | 95   | 11502      | 4.409    | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.089         | 105  | 15400      | 2.817    | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468         | 105  | 11270      | 1.357    | ug/L   | 99       |
| -----                         |                |      |            |          |        |          |

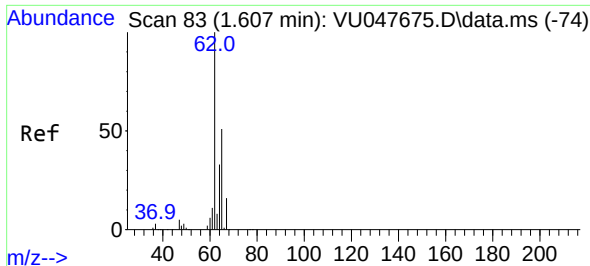
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 26 02:50:24 2022  
Response via : Initial Calibration

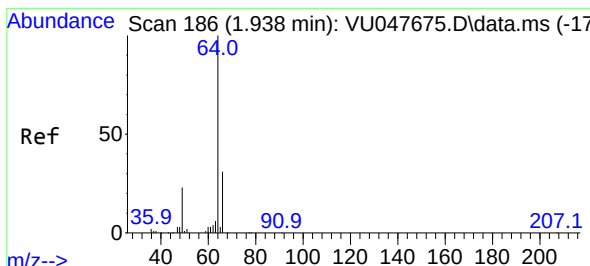
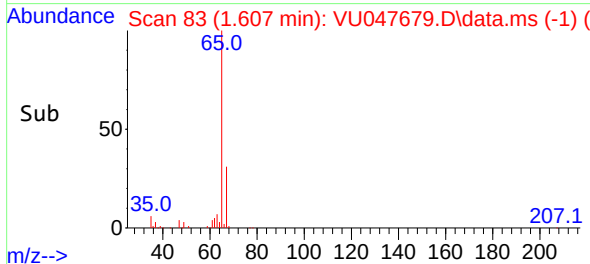
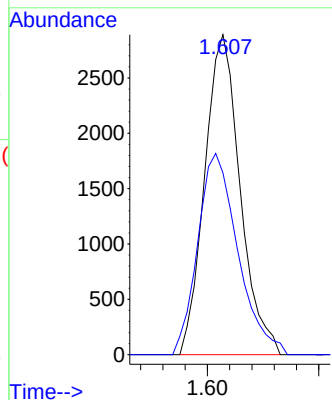
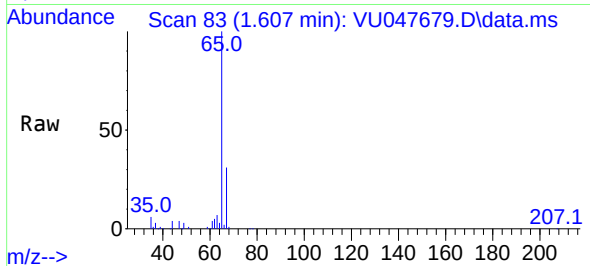




#5  
 Vinyl chloride  
 Concen: 1.070 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU047679.D  
 Acq: 25 Mar 2022 18:02

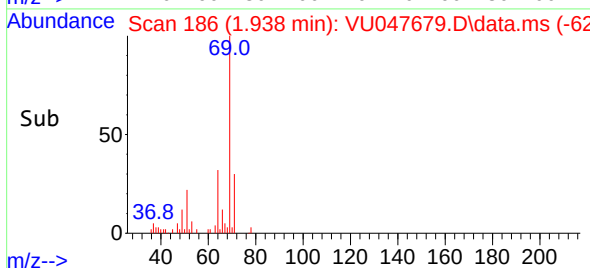
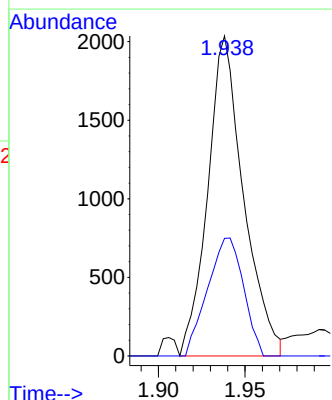
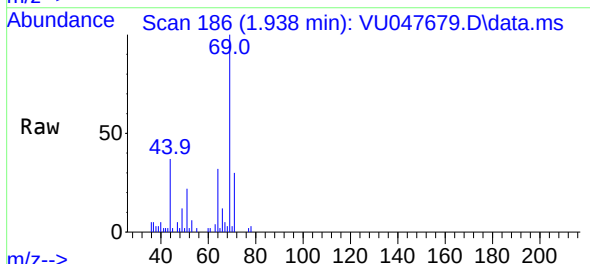
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW617

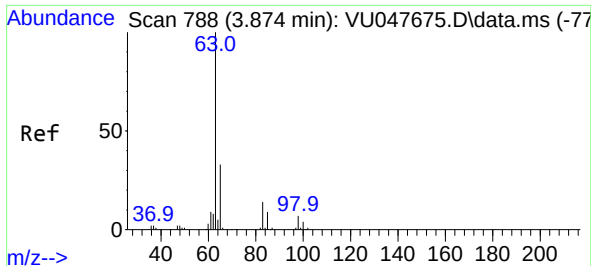
Tgt Ion: 62 Resp: 3193  
 Ion Ratio Lower Upper  
 62 100  
 64 56.9 23.7 43.9#



#8  
 Chloroethane  
 Concen: 1.564 ug/L  
 RT: 1.938 min Scan# 186  
 Delta R.T. -0.000 min  
 Lab File: VU047679.D  
 Acq: 25 Mar 2022 18:02

Tgt Ion: 64 Resp: 2930  
 Ion Ratio Lower Upper  
 64 100  
 66 36.7 23.3 43.3

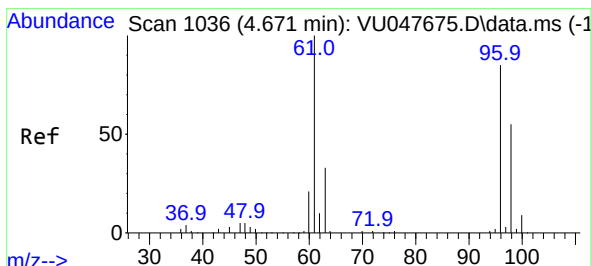
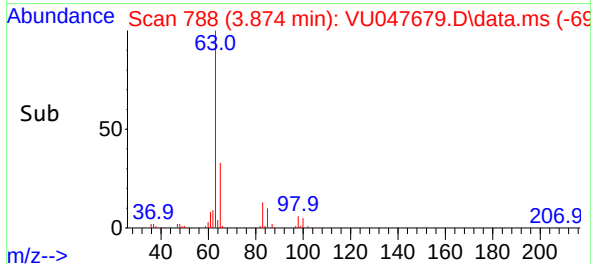
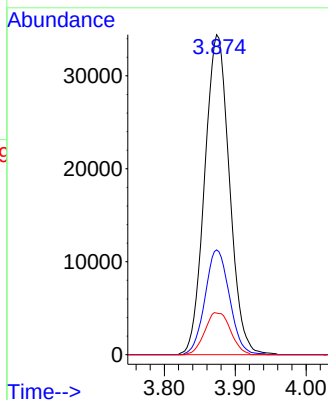
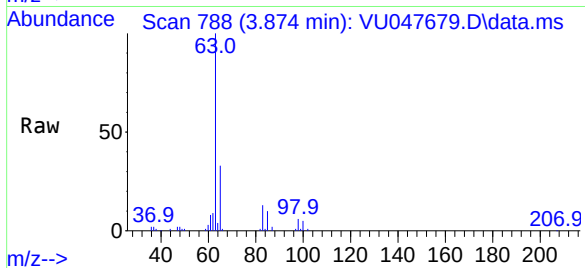




#19  
1,1-Dichloroethane  
Concen: 19.879 ug/L  
RT: 3.874 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VU047679.D  
Acq: 25 Mar 2022 18:02

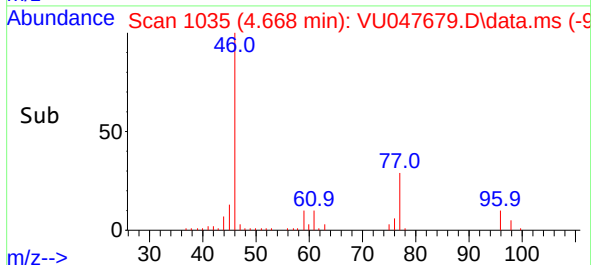
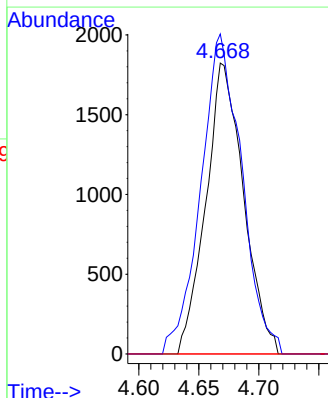
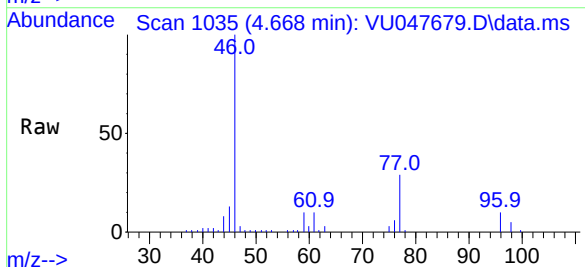
Instrument :  
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ClientSampleId :  
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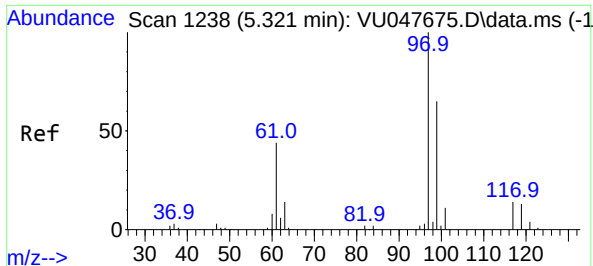
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 83694 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.7  | 22.0  | 41.0  |
| 83       | 13.0  | 9.7   | 18.1  |



#20  
cis-1,2-Dichloroethene  
Concen: 1.490 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VU047679.D  
Acq: 25 Mar 2022 18:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3989  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 110.0 | 80.7  | 149.9 |
| 68       | 0.0   | 0.0   | 0.0   |



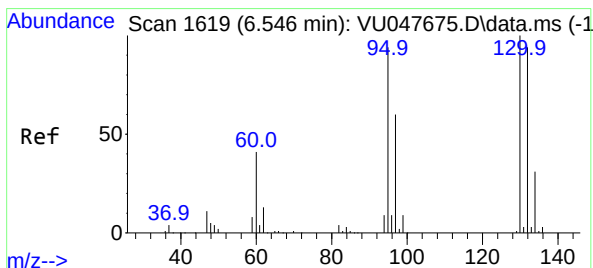
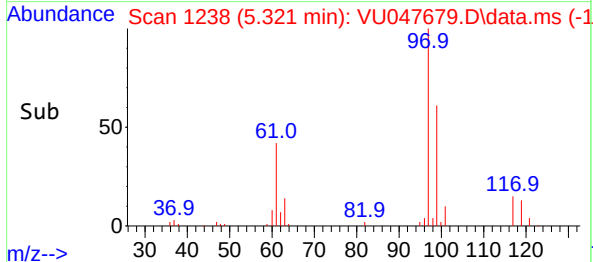
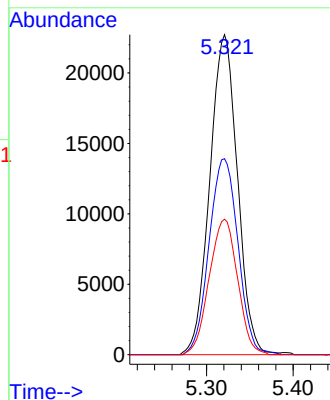
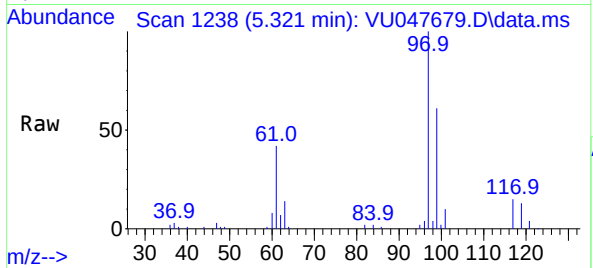


#30  
1,1,1-Trichloroethane  
Concen: 12.950 ug/L  
RT: 5.321 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047679.D  
Acq: 25 Mar 2022 18:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW617

Tgt Ion: 97 Resp: 50476

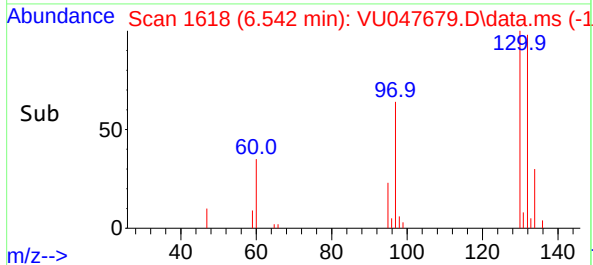
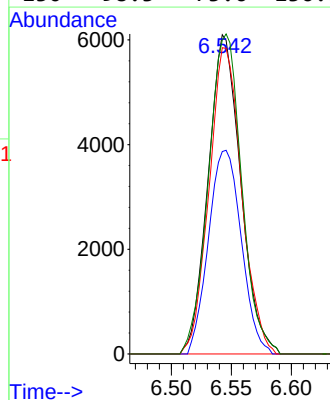
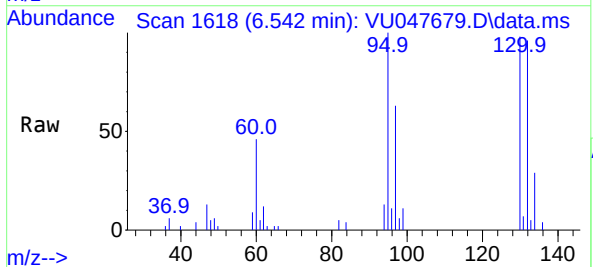
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.1  | 51.6  | 77.4  |
| 61  | 43.4  | 34.2  | 51.4  |

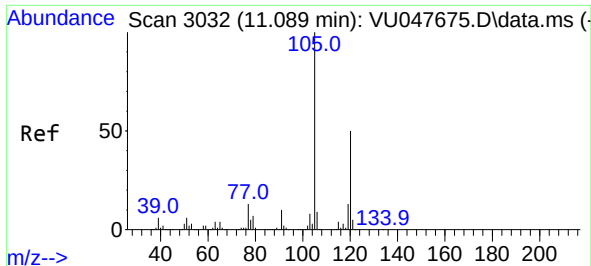


#34  
Trichloroethene  
Concen: 4.409 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.003 min  
Lab File: VU047679.D  
Acq: 25 Mar 2022 18:02

Tgt Ion: 95 Resp: 11502

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.4  | 44.7  | 82.9  |
| 132 | 95.9  | 70.4  | 130.8 |
| 130 | 98.3  | 73.6  | 136.8 |





#62

1,3,5-Trimethylbenzene

Concen: 2.817 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

Instrument :

MSVOA\_U

ClientSampleId :

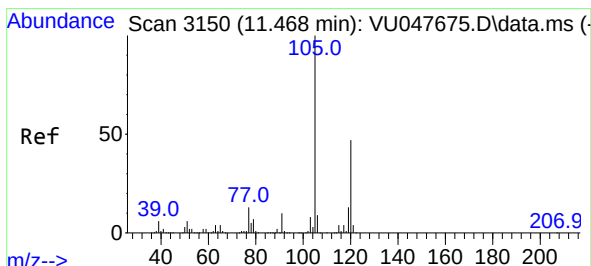
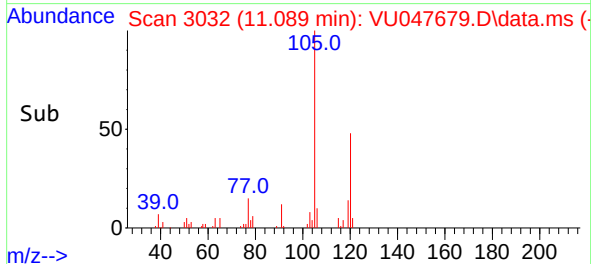
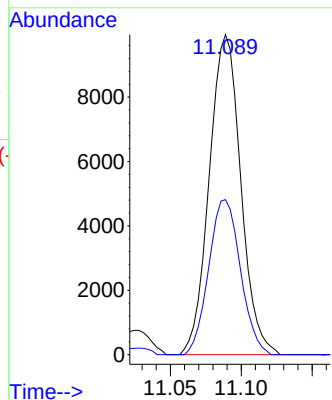
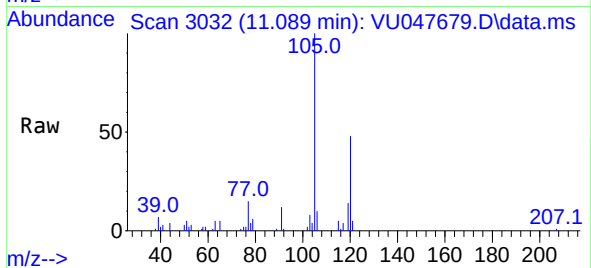
EW617

Tgt Ion:105 Resp: 15400

Ion Ratio Lower Upper

105 100

120 48.6 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 1.357 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

Tgt Ion:105 Resp: 11270

Ion Ratio Lower Upper

105 100

120 46.4 37.6 56.4

