

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092821\  
 Data File : VW022355.D  
 Acq On : 28 Sep 2021 00:35  
 Operator : SY/MD  
 Sample : M3874-22ME  
 Misc : 4.34g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 28 02:48:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 28 02:38:12 2021  
 Response via : Initial Calibration

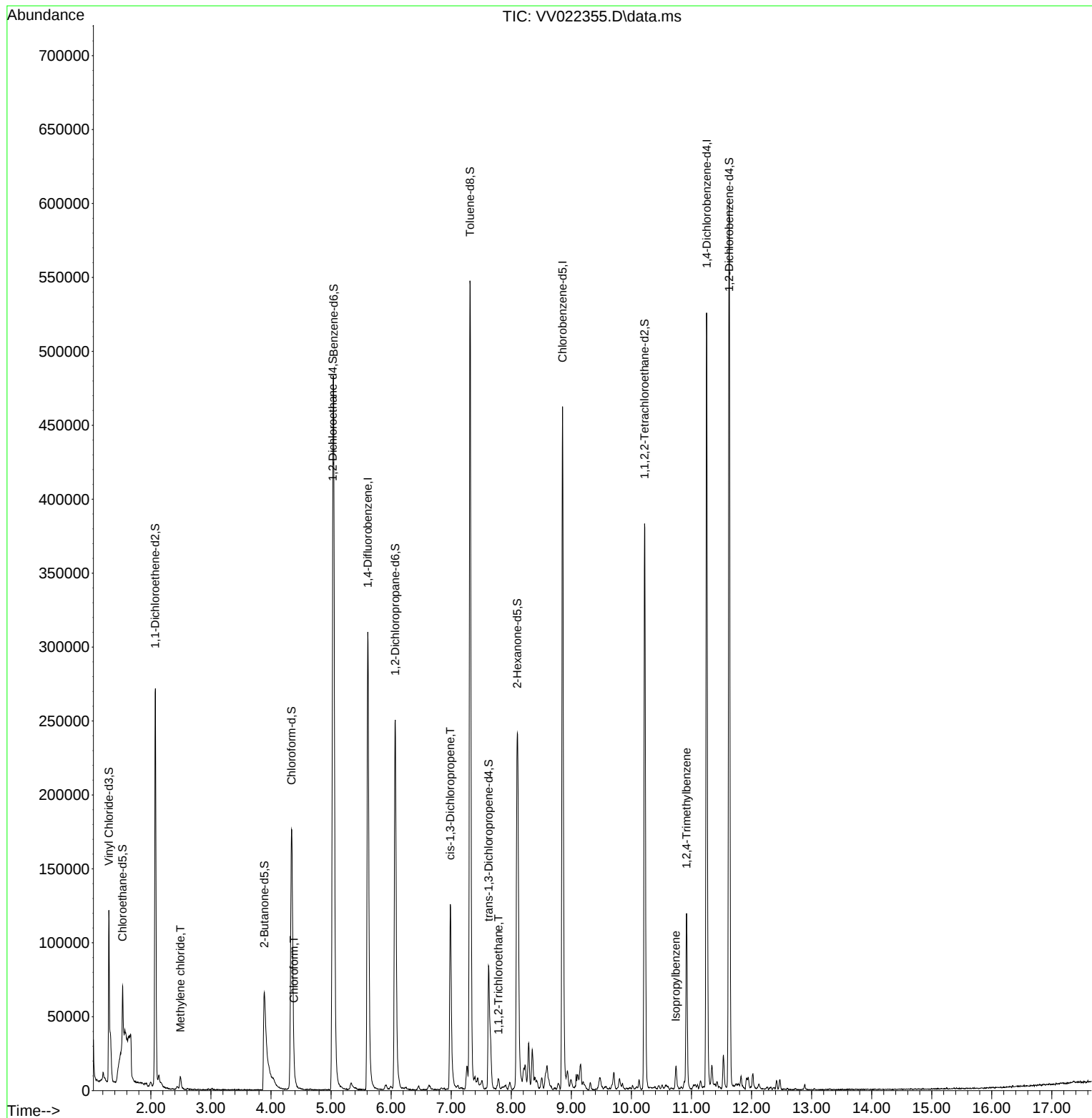
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 287224   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 279185   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 138611   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 110251   | 45.230   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 90.460%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 25892    | 13.430   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 26.860%# |
| 11) 1,1-Dichloroethene-d2     | 2.072   | 63    | 142332   | 33.585   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 67.160%  |
| 21) 2-Butanone-d5             | 3.889   | 46    | 148439   | 86.289   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 86.290%  |
| 24) Chloroform-d              | 4.342   | 84    | 193359   | 43.930   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.860%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 125516   | 46.502   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 32) Benzene-d6                | 5.043   | 84    | 417782   | 47.568   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.140%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 129849   | 46.213   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.420%  |
| 41) Toluene-d8                | 7.313   | 98    | 372408   | 46.326   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.660%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 55279    | 43.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.160%  |
| 47) 2-Hexanone-d5             | 8.101   | 63    | 117381   | 102.810  | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 102.810% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220  | 84    | 190391   | 46.679   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.360%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.628  | 152   | 158675   | 51.481   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.960% |
| Target Compounds              |         |       |          |          |        |          |
| 16) Methylene chloride        | 2.494   | 84    | 3625     | 1.377    | ug/L   | 96       |
| 25) Chloroform                | 4.381   | 83    | 2838     | 0.701    | ug/L   | 84       |
| 39) cis-1,3-Dichloropropene   | 6.985   | 75    | 3371     | 1.047    | ug/L # | 67       |
| 45) 1,1,2-Trichloroethane     | 7.786   | 97    | 2735     | 1.229    | ug/L # | 18       |
| 60) Isopropylbenzene          | 10.741  | 105   | 9012     | 1.056    | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.918  | 105   | 63185    | 8.899    | ug/L   | 100      |

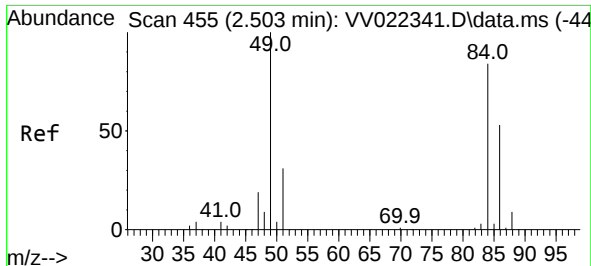
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3874-22ME  
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 28 02:48:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 28 02:38:12 2021  
Response via : Initial Calibration

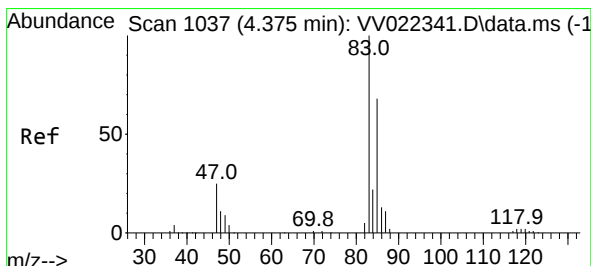
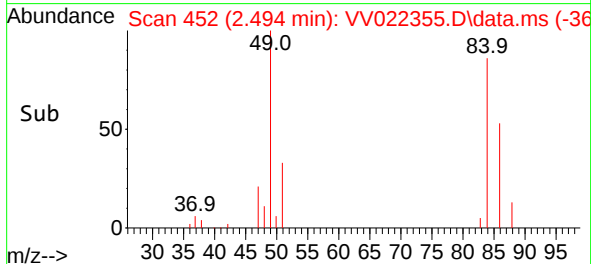
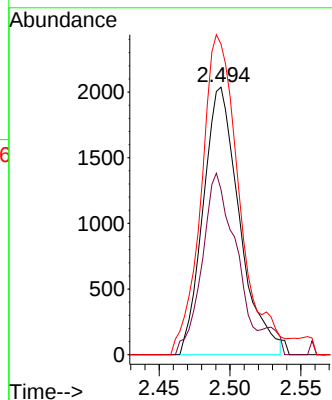
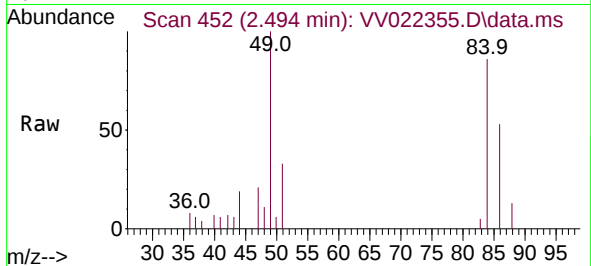




#16  
Methylene chloride  
Concen: 1.377 ug/L  
RT: 2.494 min Scan# 452  
Delta R.T. -0.010 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

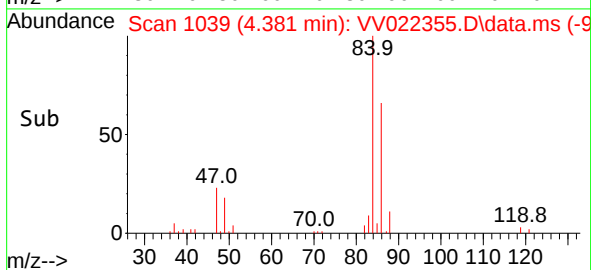
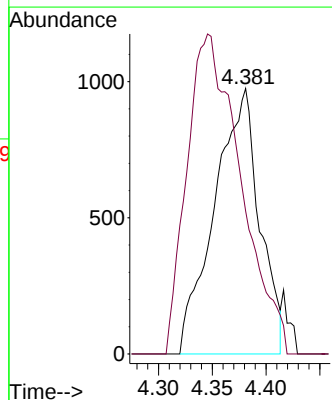
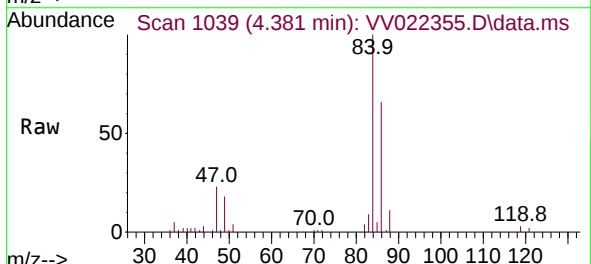
Instrument :  
MSVOA\_V  
ClientSampleId :

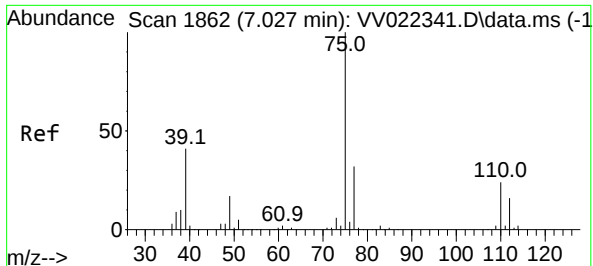
Tgt Ion: 84 Resp: 3625  
Ion Ratio Lower Upper  
84 100  
86 61.7 44.6 82.8  
49 116.1 85.3 158.3



#25  
Chloroform  
Concen: 0.701 ug/L  
RT: 4.381 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

Tgt Ion: 83 Resp: 2838  
Ion Ratio Lower Upper  
83 100  
85 53.8 46.5 86.3



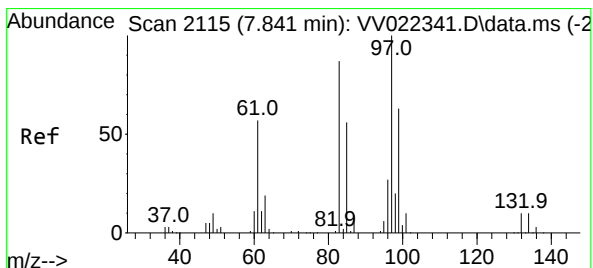
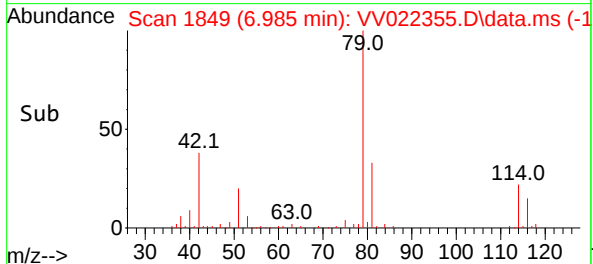
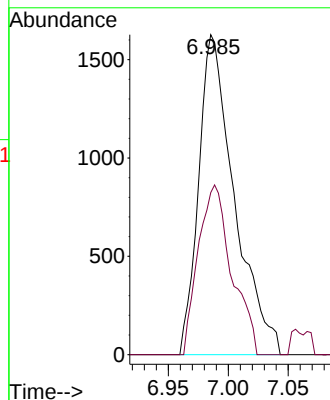
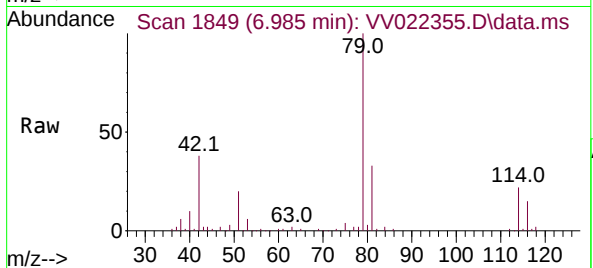


#39

cis-1,3-Dichloropropene  
Concen: 1.047 ug/L  
RT: 6.985 min Scan# 1849  
Delta R.T. -0.042 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

Instrument :  
MSVOA\_V  
ClientSampled :

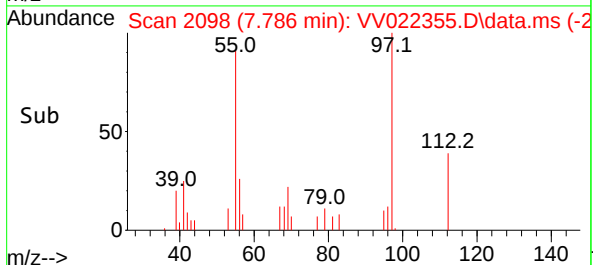
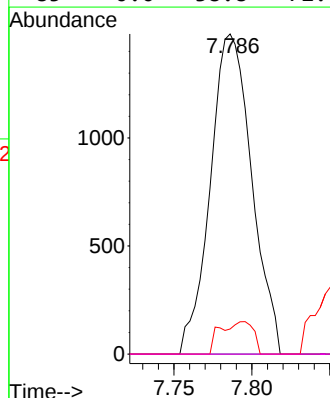
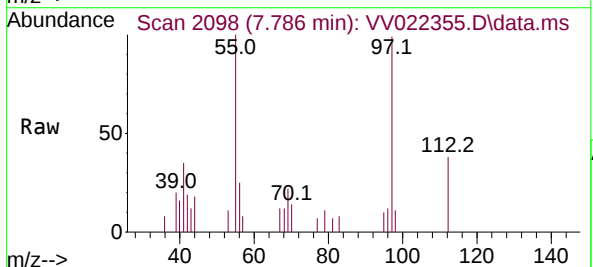
Tgt Ion: 75 Resp: 3371  
Ion Ratio Lower Upper  
75 100  
77 50.6 22.7 42.1#

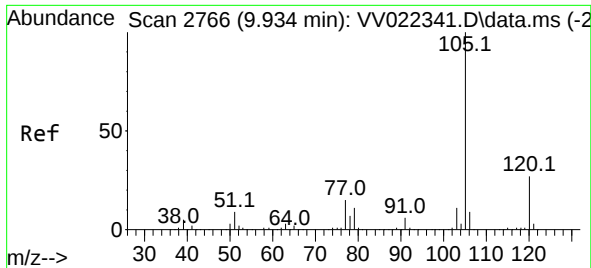


#45

1,1,2-Trichloroethane  
Concen: 1.229 ug/L  
RT: 7.786 min Scan# 2098  
Delta R.T. -0.055 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

Tgt Ion: 97 Resp: 2735  
Ion Ratio Lower Upper  
97 100  
99 0.0 44.6 82.8#  
83 7.8 59.8 111.1#  
85 0.0 38.8 72.0#

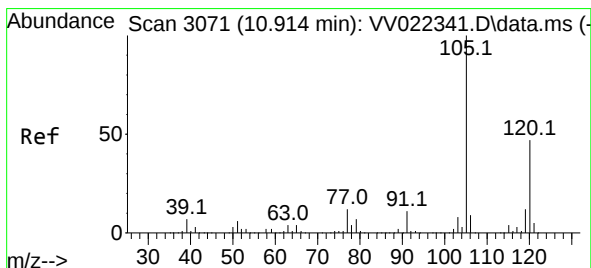
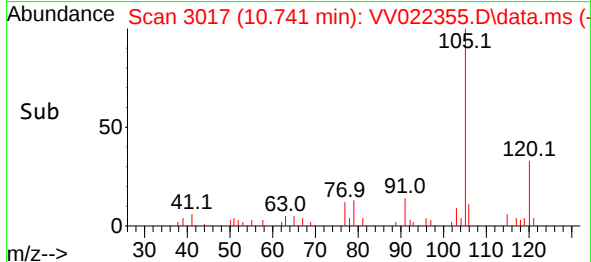
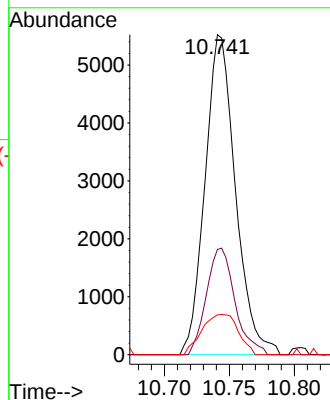
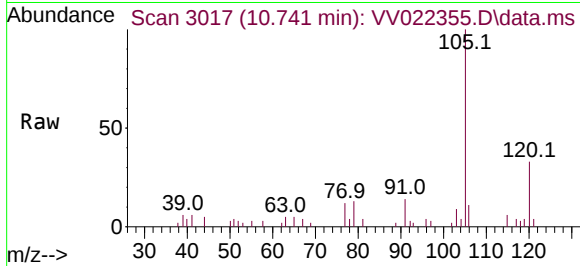




#60  
Isopropylbenzene  
Concen: 1.056 ug/L  
RT: 10.741 min Scan# 3017  
Delta R.T. 0.807 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

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MSVOA\_V  
ClientSampleId :

Tgt Ion:105 Resp: 9012  
Ion Ratio Lower Upper  
105 100  
120 31.2 21.5 32.3  
77 15.0 12.0 18.0



#63  
1,2,4-Trimethylbenzene  
Concen: 8.899 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.003 min  
Lab File: VV022355.D  
Acq: 28 Sep 2021 00:35

Tgt Ion:105 Resp: 63185  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.3 55.9

