

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092821\  
 Data File : VV022354.D  
 Acq On : 28 Sep 2021 00:11  
 Operator : SY/MD  
 Sample : M3874-14ME  
 Misc : 3.79g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 28 02:47:52 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

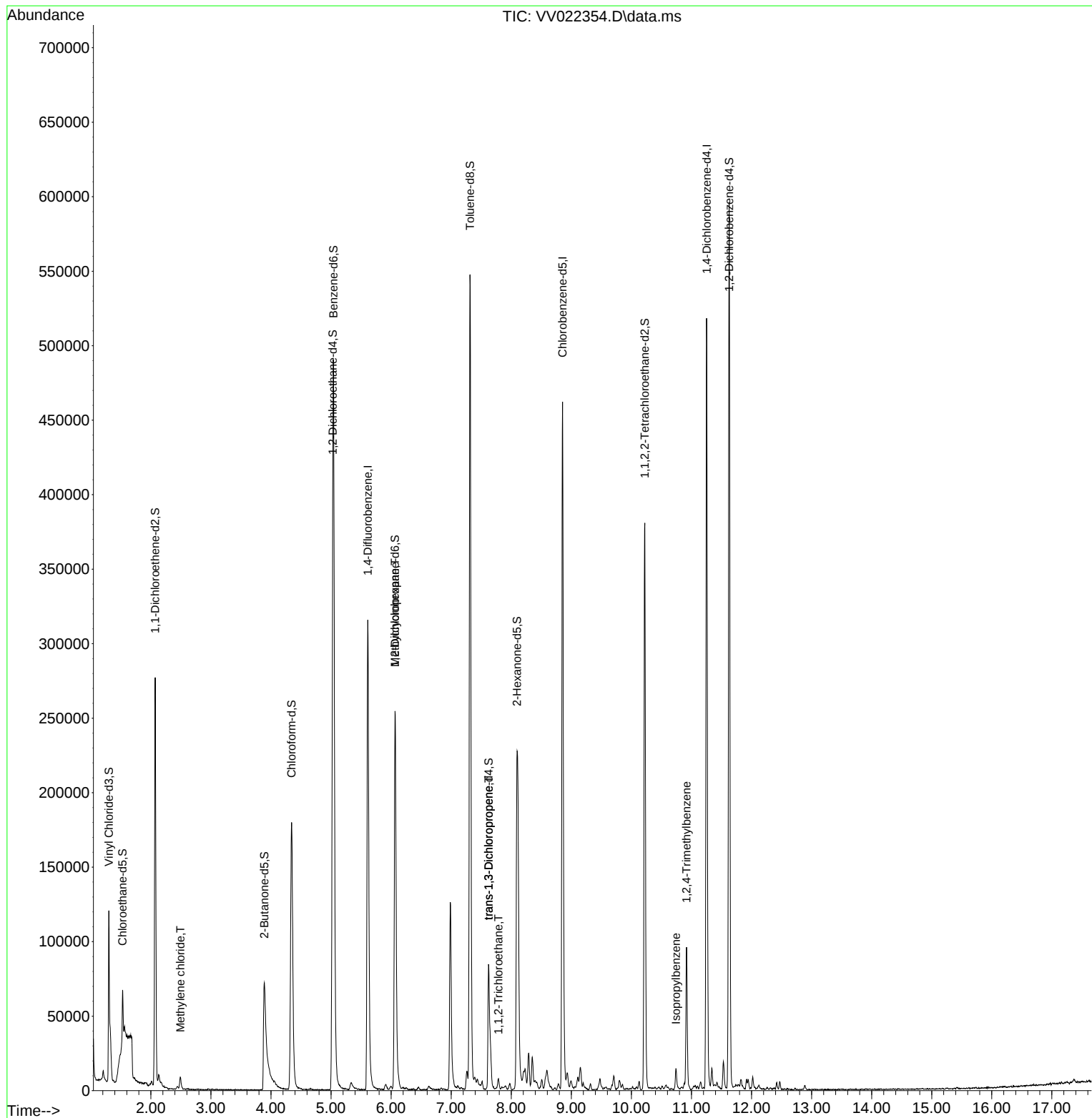
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114            | 291287   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117            | 277954   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152            | 139290   | 50.000  | ug/L     | 0.00     |
|                               |         |                |          |         |          |          |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65             | 110606   | 44.743  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 89.480%  |          |
| 7) Chloroethane-d5            | 1.529   | 69             | 24324    | 12.440  | ug/L     | -0.03    |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 24.880%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.073   | 63             | 144065   | 33.519  | ug/L     | -0.03    |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 67.040%  |          |
| 21) 2-Butanone-d5             | 3.889   | 46             | 162987   | 93.424  | ug/L     | 0.02     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 93.420%  |          |
| 24) Chloroform-d              | 4.343   | 84             | 197107   | 44.157  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 88.320%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65             | 125431   | 45.822  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 91.640%  |          |
| 32) Benzene-d6                | 5.040   | 84             | 417035   | 47.693  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 95.380%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67             | 131669   | 47.068  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 94.140%  |          |
| 41) Toluene-d8                | 7.313   | 98             | 372189   | 46.503  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 93.000%  |          |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79             | 54237    | 42.459  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 84.920%  |          |
| 47) 2-Hexanone-d5             | 8.098   | 63             | 118809   | 104.521 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 104.520% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223  | 84             | 190086   | 46.810  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 93.620%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.628  | 152            | 154639   | 49.927  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 99.860%  |          |
|                               |         |                |          |         |          |          |
| Target Compounds              |         |                |          |         |          | Qvalue   |
| 16) Methylene chloride        | 2.490   | 84             | 3463     | 1.297   | ug/L     | 93       |
| 35) Methylcyclohexane         | 6.066   | 83             | 31003    | 9.226   | ug/L #   | 20       |
| 44) trans-1,3-Dichloropropene | 7.622   | 75             | 2381     | 0.778   | ug/L     | 90       |
| 45) 1,1,2-Trichloroethane     | 7.786   | 97             | 2284     | 1.031   | ug/L #   | 20       |
| 60) Isopropylbenzene          | 10.744  | 105            | 8374     | 0.976   | ug/L     | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.918  | 105            | 49722    | 6.969   | ug/L     | 99       |
| -----                         |         |                |          |         |          |          |

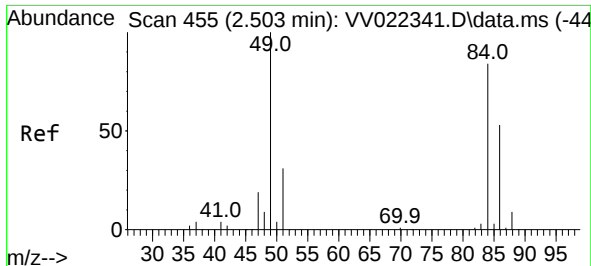
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

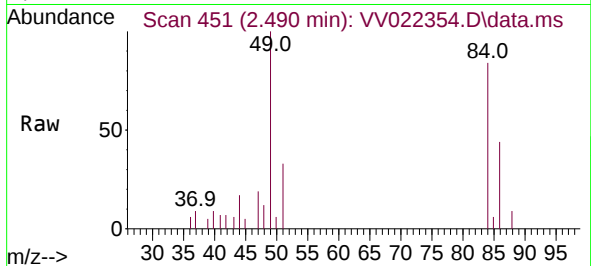
Quant Time: Sep 28 02:47:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 28 02:38:12 2021  
Response via : Initial Calibration



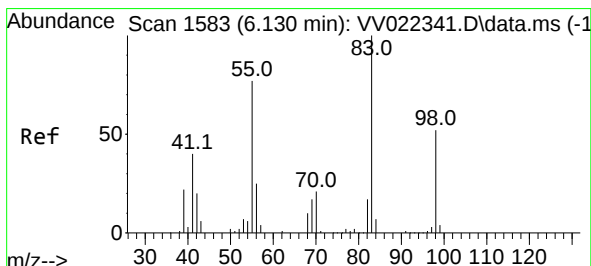
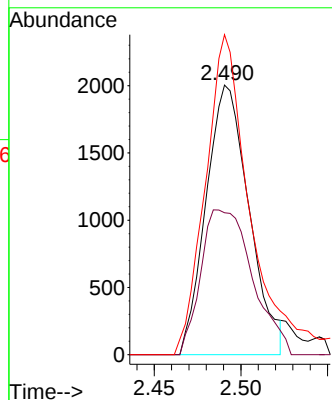
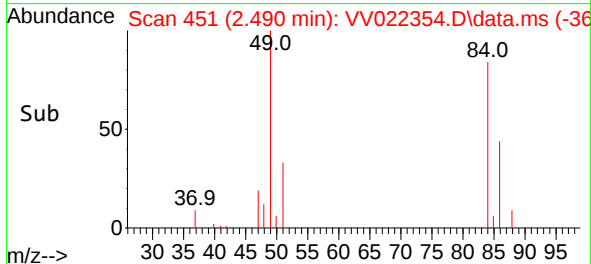


#16  
Methylene chloride  
Concen: 1.297 ug/L  
RT: 2.490 min Scan# 451  
Delta R.T. -0.013 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11

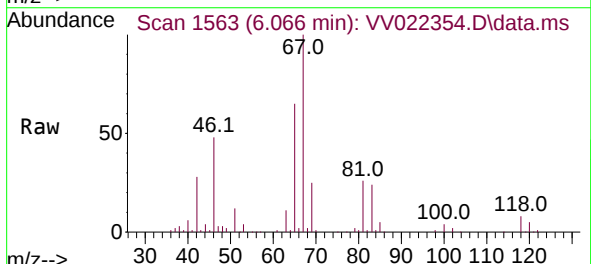
Instrument :  
MSVOA\_V  
ClientSampled :



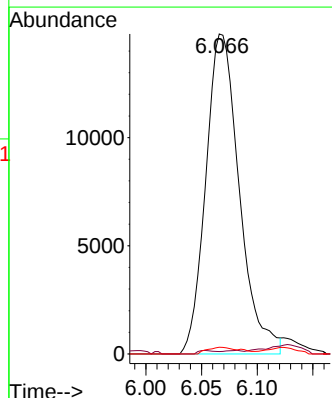
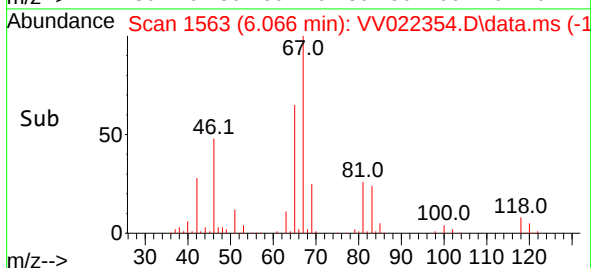
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3463  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 52.6  | 44.6  | 82.8  |
| 49       | 118.7 | 85.3  | 158.3 |

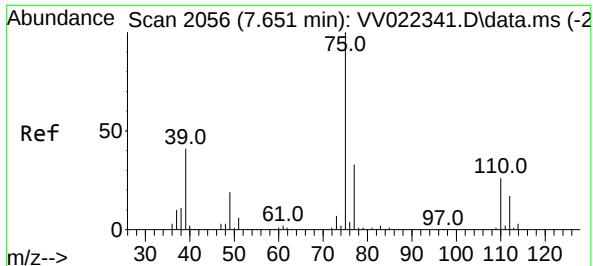


#35  
Methylcyclohexane  
Concen: 9.226 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.064 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 31003 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.6   | 58.6  | 87.8# |
| 98       | 1.6   | 39.2  | 58.8# |

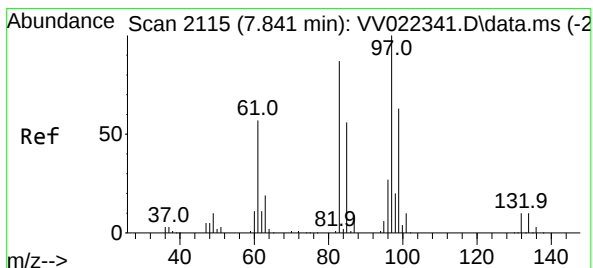
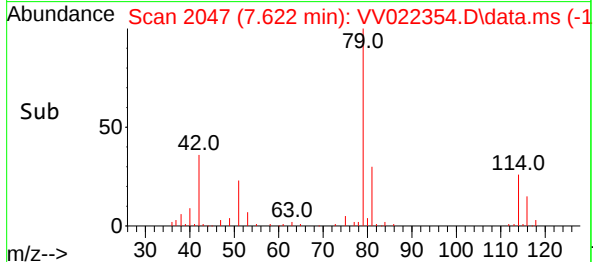
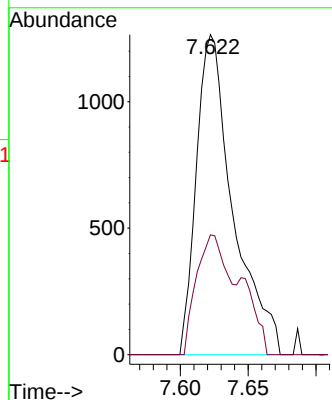
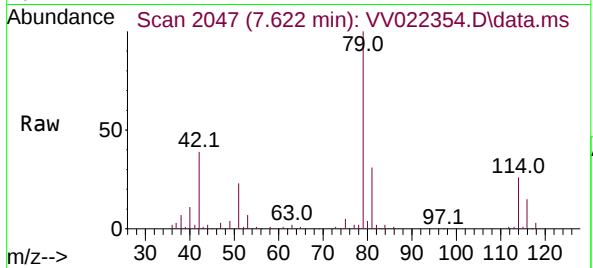




#44  
trans-1,3-Dichloropropene  
Concen: 0.778 ug/L  
RT: 7.622 min Scan# 2047  
Delta R.T. -0.029 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11

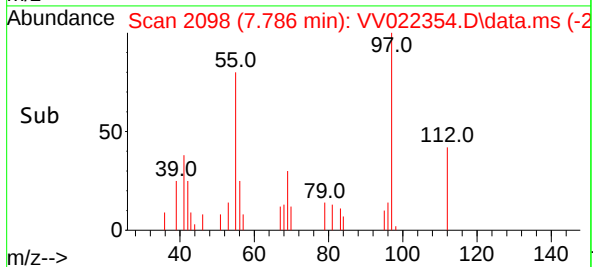
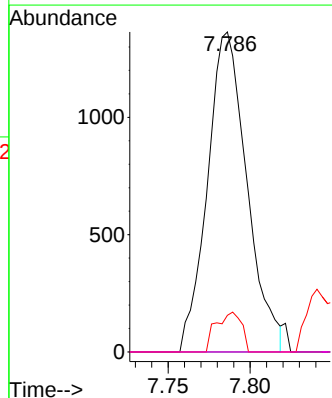
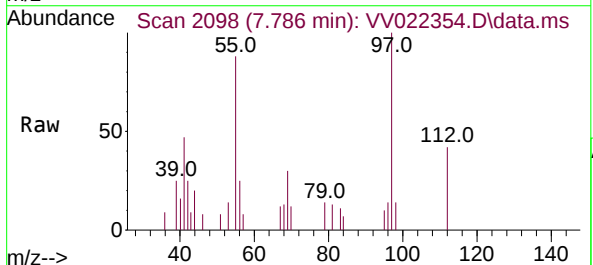
Instrument :  
MSVOA\_V  
ClientSampled :

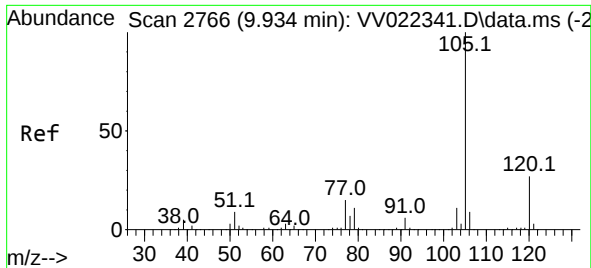
Tgt Ion: 75 Resp: 2381  
Ion Ratio Lower Upper  
75 100  
77 37.5 22.3 41.3



#45  
1,1,2-Trichloroethane  
Concen: 1.031 ug/L  
RT: 7.786 min Scan# 2098  
Delta R.T. -0.054 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11

Tgt Ion: 97 Resp: 2284  
Ion Ratio Lower Upper  
97 100  
99 0.0 44.6 82.8#  
83 11.4 59.8 111.1#  
85 0.0 38.8 72.0#

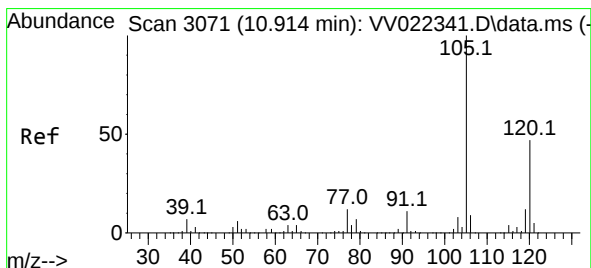
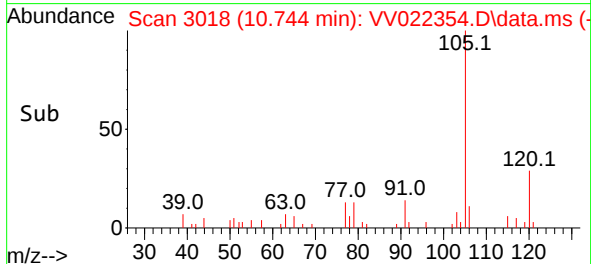
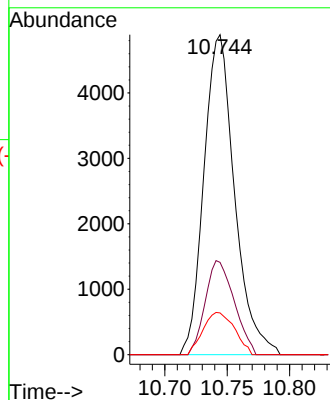
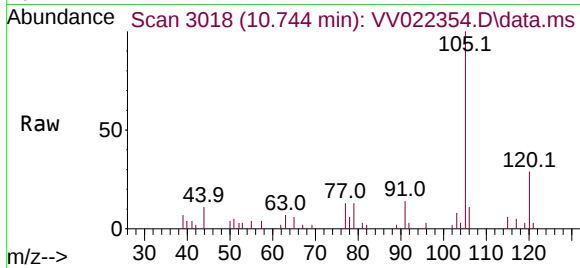




#60  
Isopropylbenzene  
Concen: 0.976 ug/L  
RT: 10.744 min Scan# 3018  
Delta R.T. 0.810 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:105 Resp: 8374  
Ion Ratio Lower Upper  
105 100  
120 27.7 21.5 32.3  
77 13.5 12.0 18.0



#63  
1,2,4-Trimethylbenzene  
Concen: 6.969 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.003 min  
Lab File: VV022354.D  
Acq: 28 Sep 2021 00:11

Tgt Ion:105 Resp: 49722  
Ion Ratio Lower Upper  
105 100  
120 46.0 37.3 55.9

