

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020821\  
 Data File : VW018046.D  
 Acq On : 08 Feb 2021 11:48  
 Operator : SY/VA  
 Sample : M1310-12RE  
 Misc : 3.68G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0A39

Quant Time: Feb 09 03:24:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 09 03:23:41 2021  
 Response via : Initial Calibration

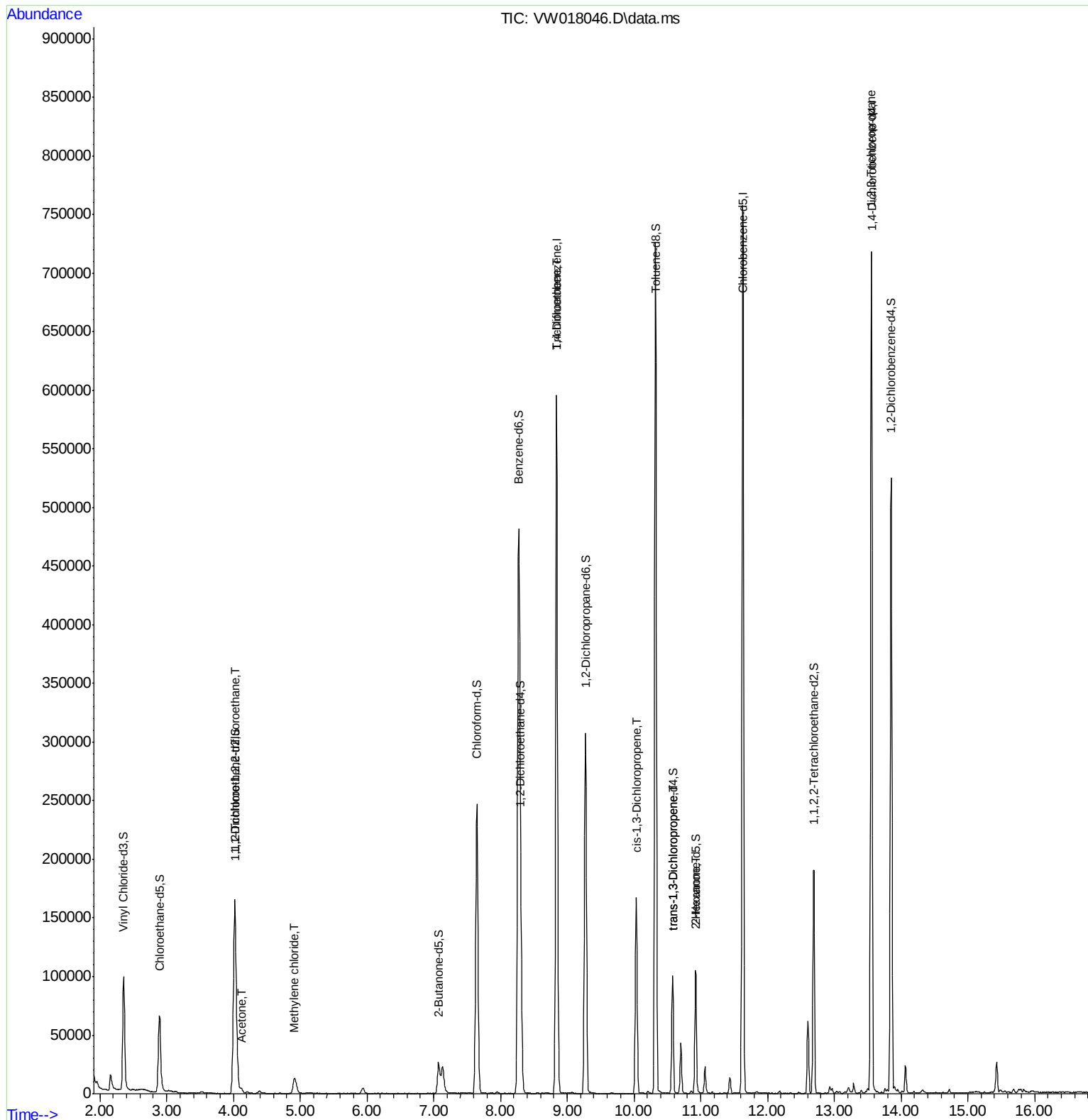
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 526296     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 445696     | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 205366     | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 112376     | 17.18   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 68.72%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 91291      | 17.59   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 70.36%  |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 181135     | 13.85   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 55.40%  |        |          |
| 20) 2-Butanone-d5             | 7.074          | 46   | 45326      | 25.97   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 51.94%  |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 259555     | 18.79   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 75.16%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 128687     | 17.49   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 69.96%# |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 522595     | 21.35   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 85.40%  |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 145211     | 21.22   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 84.88%  |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 485804     | 20.86   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 83.44%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 58311      | 18.79   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 75.16%  |        |          |
| 39) 2-Hexanone-d5             | 10.920         | 63   | 37261      | 28.47   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 56.94%  |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 95266      | 15.84   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 63.36%  |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 147068     | 20.07   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 80.28%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.025          | 101  | 2140       | 0.29    | ug/L # | 35       |
| 13) Acetone                   | 4.117          | 43   | 5867       | 4.54    | ug/L   | 99       |
| 16) Methylene chloride        | 4.915          | 84   | 12509      | 1.48    | ug/L   | 96       |
| 35) Trichloroethene           | 8.842          | 95   | 15656      | 2.13    | ug/L # | 3        |
| 42) cis-1,3-Dichloropropene   | 10.036         | 75   | 4187       | 0.43    | ug/L # | 74       |
| 45) trans-1,3-Dichloropropene | 10.579         | 75   | 2504       | 0.30    | ug/L # | 81       |
| 49) 2-Hexanone                | 10.927         | 43   | 4665       | 1.81    | ug/L # | 57       |
| 59) 1,2,3-Trichloropropane    | 13.554         | 75   | 20536      | 4.49    | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

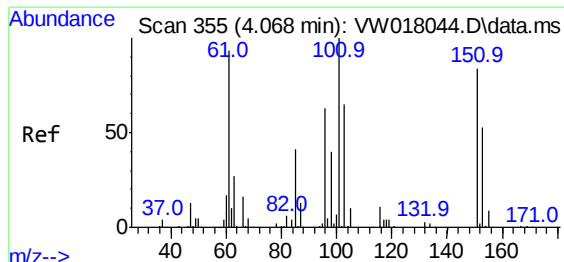
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Feb 09 03:23:41 2021  
Response via : Initial Calibration

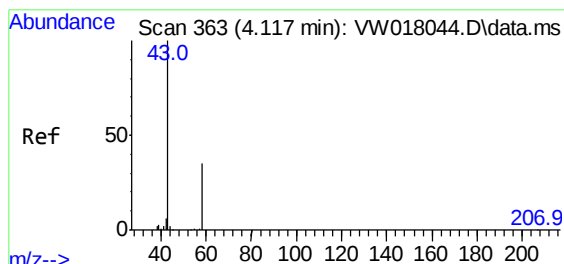
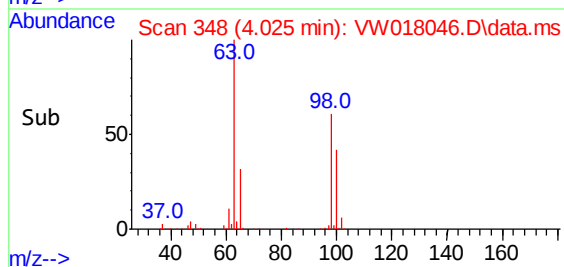
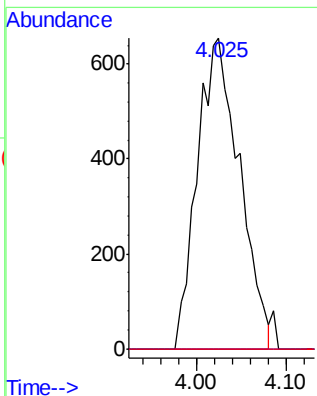
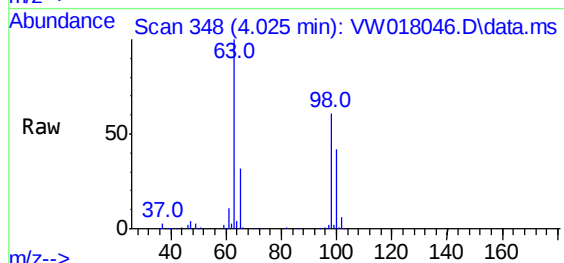




#11  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.29 ug/L  
 RT: 4.025 min Scan# 348  
 Delta R.T. -0.043 min  
 Lab File: VW018046.D  
 Acq: 08 Feb 2021 11:48

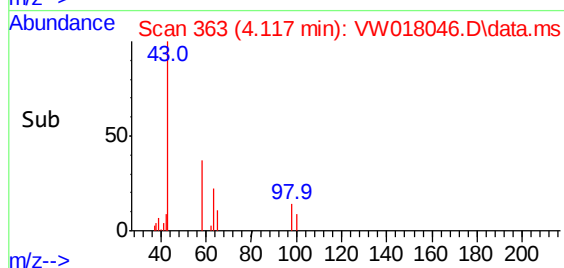
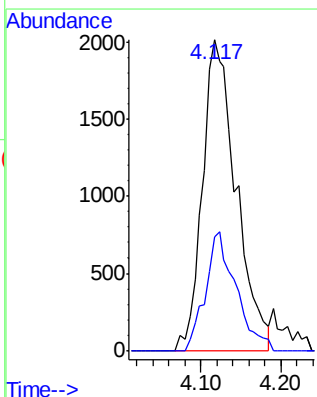
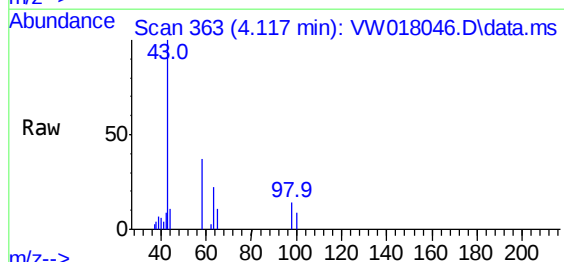
Instrument :  
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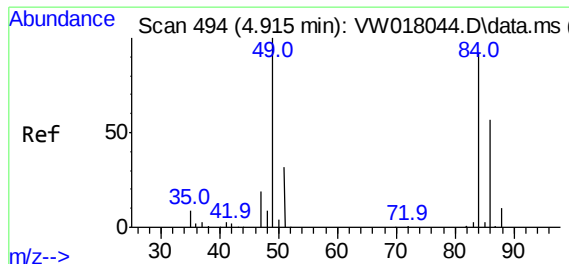
Tgt Ion:101 Resp: 2140  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.2 51.4#  
 151 0.0 30.4 45.6#



#13  
 Acetone  
 Concen: 4.54 ug/L  
 RT: 4.117 min Scan# 363  
 Delta R.T. -0.000 min  
 Lab File: VW018046.D  
 Acq: 08 Feb 2021 11:48

Tgt Ion: 43 Resp: 5867  
 Ion Ratio Lower Upper  
 43 100  
 58 34.7 0.0 68.4



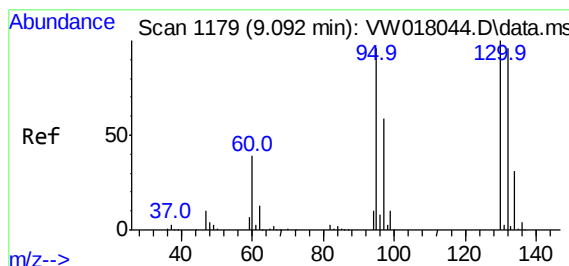
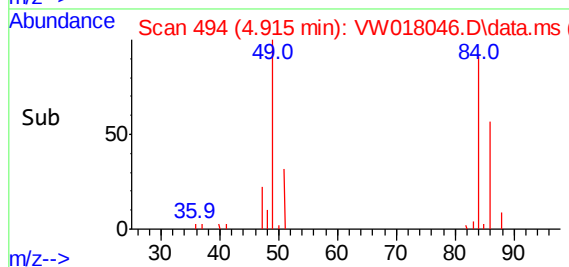
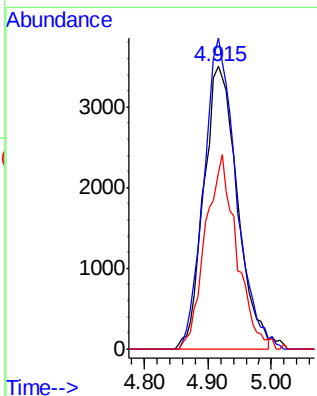
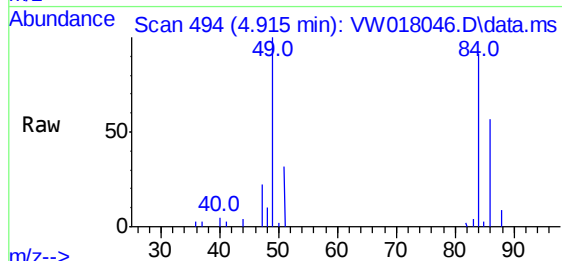


#16  
Methylene chloride  
Concen: 1.48 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampled :  
C0A39

Tgt Ion: 84 Resp: 12509

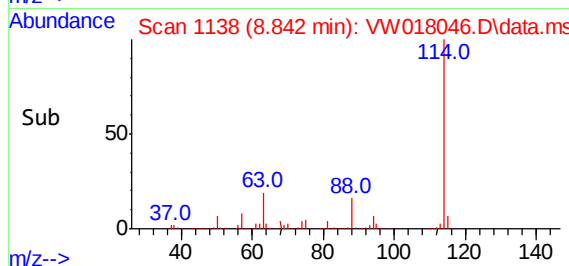
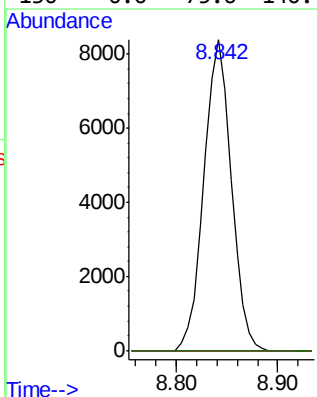
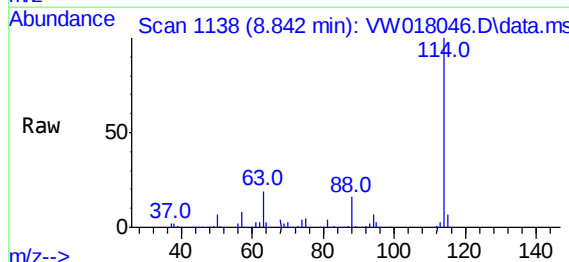
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 110.0 | 81.2  | 150.8 |
| 86  | 62.3  | 44.5  | 82.7  |

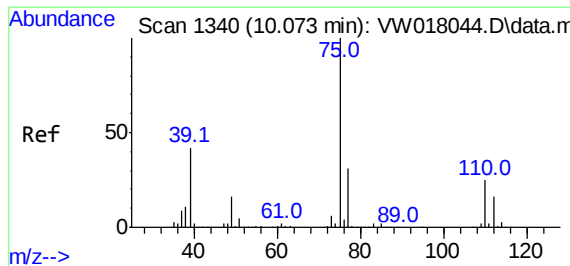


#35  
Trichloroethene  
Concen: 2.13 ug/L  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.250 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

Tgt Ion: 95 Resp: 15656

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 45.0  | 83.6#  |
| 132 | 0.0   | 71.0  | 131.8# |
| 130 | 0.0   | 75.6  | 140.4# |

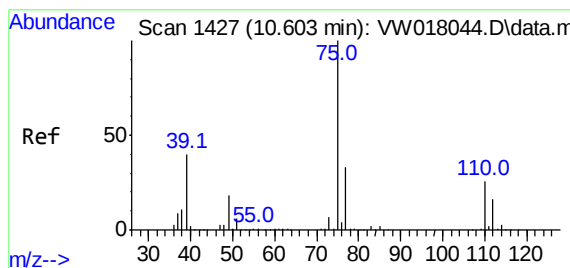
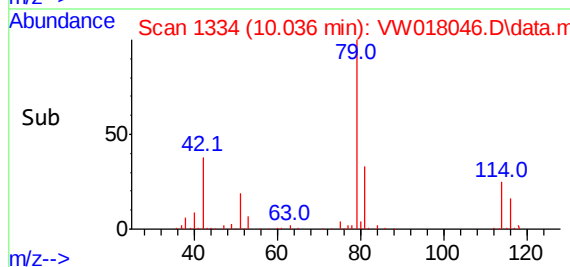
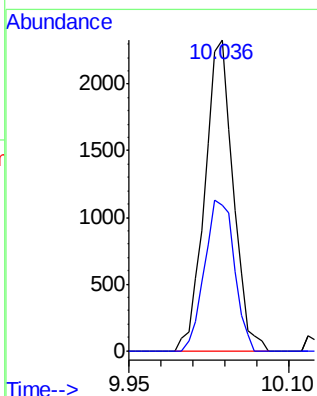
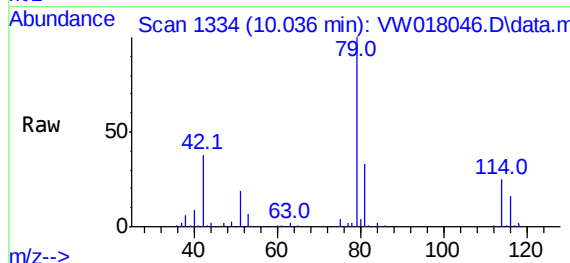




#42  
cis-1,3-Dichloropropene  
Concen: 0.43 ug/L  
RT: 10.036 min Scan# 1334  
Delta R.T. -0.037 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

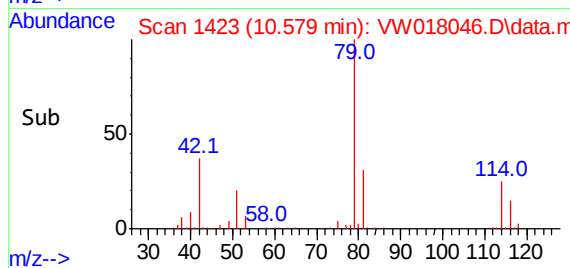
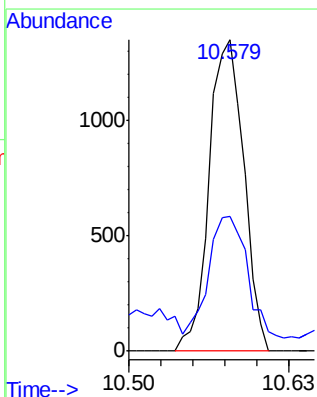
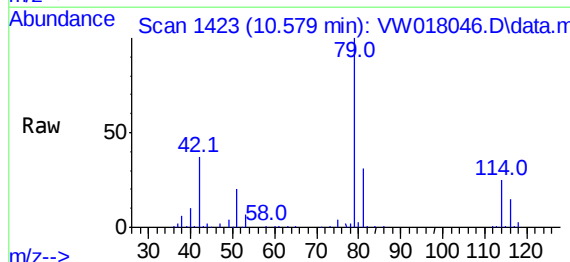
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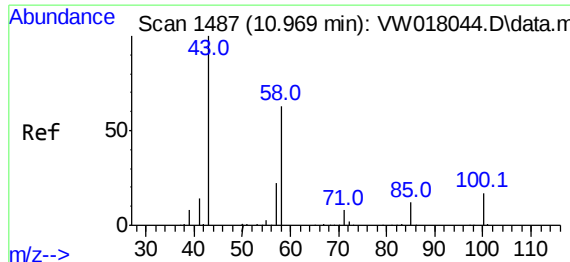
Tgt Ion: 75 Resp: 4187  
Ion Ratio Lower Upper  
75 100  
77 46.9 22.7 42.3#



#45  
trans-1,3-Dichloropropene  
Concen: 0.30 ug/L  
RT: 10.579 min Scan# 1423  
Delta R.T. -0.024 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

Tgt Ion: 75 Resp: 2504  
Ion Ratio Lower Upper  
75 100  
77 43.0 22.6 42.0#



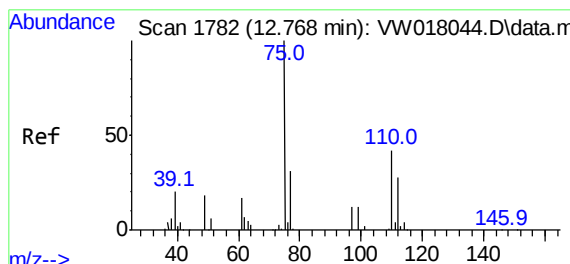
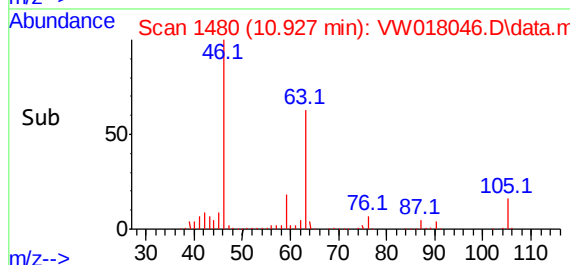
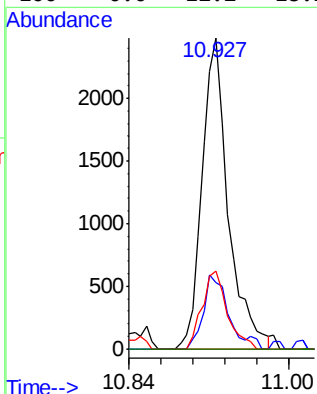
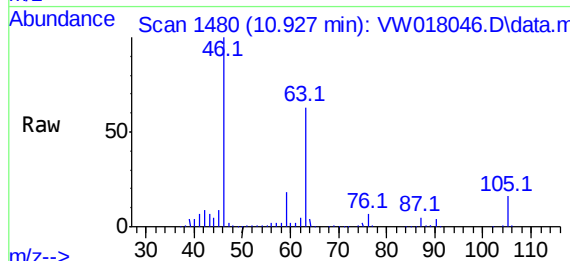


#49  
2-Hexanone  
Concen: 1.81 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampled :  
C0A39

Tgt Ion: 43 Resp: 4665

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 21.7  | 51.3  | 76.9# |
| 57  | 24.1  | 15.0  | 22.6# |
| 100 | 0.0   | 12.2  | 18.2# |



#59  
1,2,3-Trichloropropane  
Concen: 4.49 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.786 min  
Lab File: VW018046.D  
Acq: 08 Feb 2021 11:48

Tgt Ion: 75 Resp: 20536

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.9  | 26.6  | 39.8  |

