

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020221\  
 Data File : VW018012.D  
 Acq On : 02 Feb 2021 15:47  
 Operator : SY/VA  
 Sample : M1298-11  
 Misc : 4.80G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0A37

Quant Time: Feb 03 00:26:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 03 00:24:42 2021  
 Response via : Initial Calibration

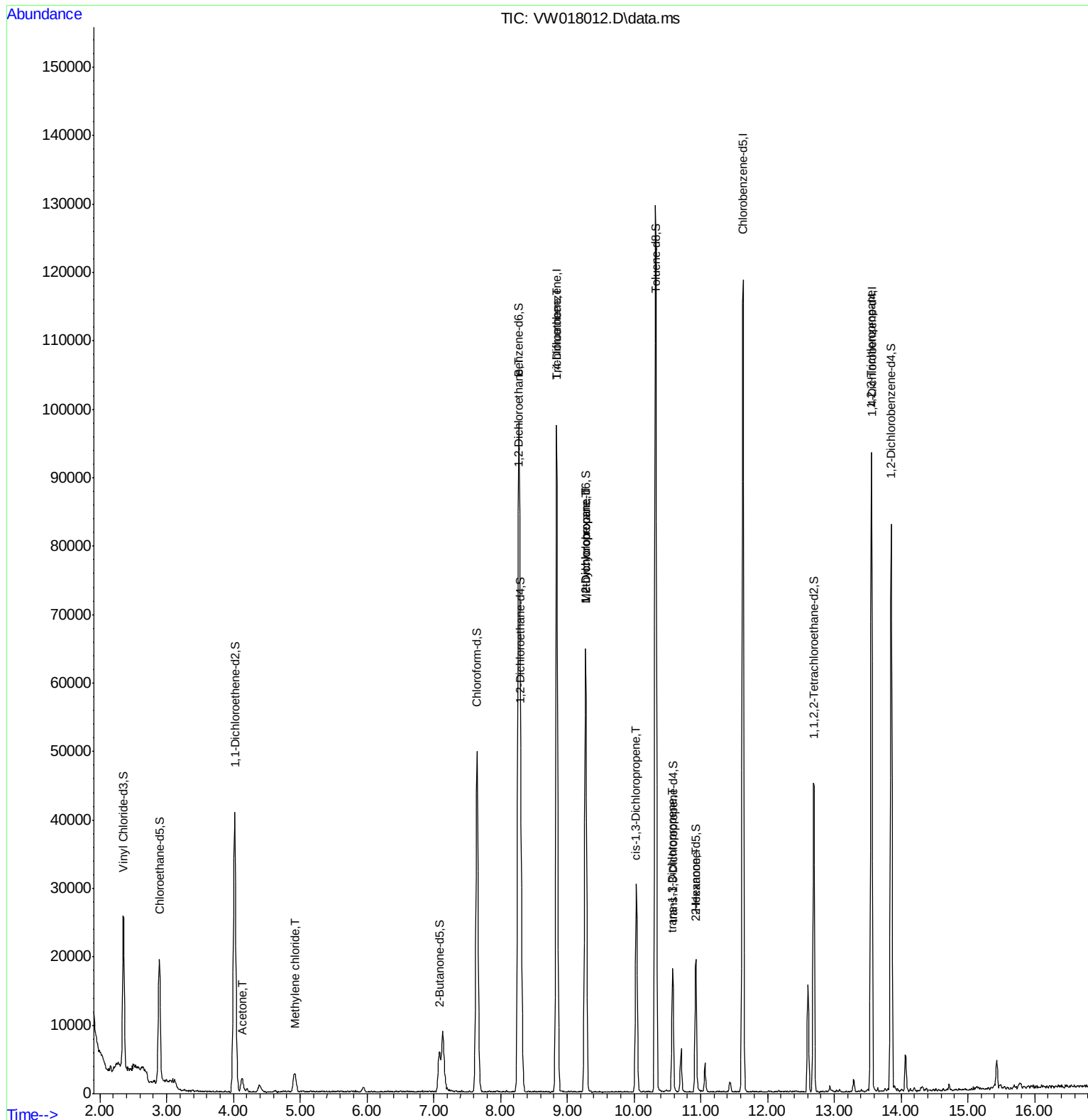
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 84524      | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 70741      | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 26582      | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 22785      | 21.69   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.76%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 20794      | 24.94   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 99.76%  |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 38798      | 18.47   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 73.88%  |        |          |
| 20) 2-Butanone-d5             | 7.086          | 46   | 11115      | 39.65   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 79.30%  |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 53066      | 23.92   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 95.68%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 28880      | 24.44   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 97.76%  |        |          |
| 29) Benzene-d6                | 8.274          | 84   | 104713     | 26.96   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 107.84% |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 29578      | 27.23   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 108.92% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 89490      | 24.21   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 96.84%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 10478      | 21.28   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 85.12%  |        |          |
| 39) 2-Hexanone-d5             | 10.926         | 63   | 7089       | 34.13   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 68.26%  |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 22138      | 23.20   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 92.80%  |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 22774      | 24.02   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 96.08%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acetone                   | 4.135          | 43   | 3796       | 18.30   | ug/L   | 97       |
| 16) Methylene chloride        | 4.921          | 84   | 2331       | 1.72    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 8.268          | 62   | 629        | 0.46    | ug/L # | 73       |
| 35) Trichloroethene           | 8.841          | 95   | 2639       | 2.27    | ug/L # | 3        |
| 36) Methylcyclohexane         | 9.274          | 83   | 7932       | 4.05    | ug/L # | 19       |
| 40) 1,2-Dichloropropane       | 9.274          | 63   | 3306       | 3.48    | ug/L # | 84       |
| 42) cis-1,3-Dichloropropene   | 10.030         | 75   | 836        | 0.55    | ug/L   | 88       |
| 45) trans-1,3-Dichloropropene | 10.573         | 75   | 451        | 0.34    | ug/L # | 31       |
| 49) 2-Hexanone                | 10.920         | 43   | 919        | 2.24    | ug/L # | 53       |
| 59) 1,2,3-Trichloropropane    | 13.554         | 75   | 2853       | 3.93    | ug/L   | 100      |
| -----                         |                |      |            |         |        |          |

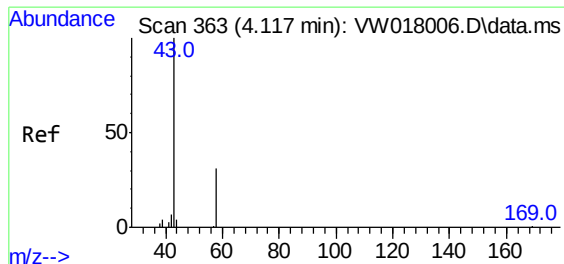
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 4.80G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Feb 03 00:26:43 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 03 00:24:42 2021  
Response via : Initial Calibration

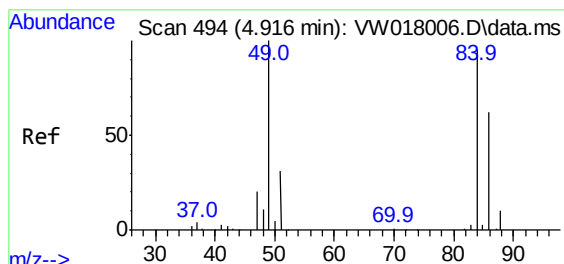
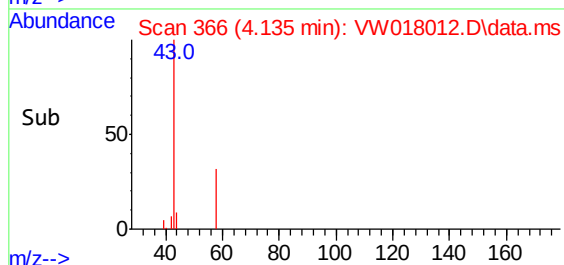
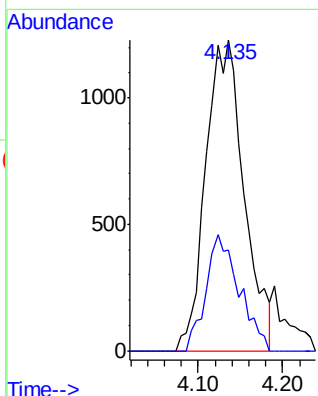
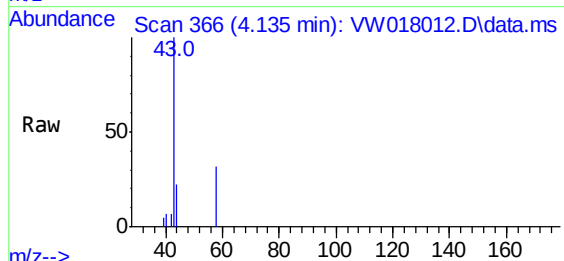




#13  
Acetone  
Concen: 18.30 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.018 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

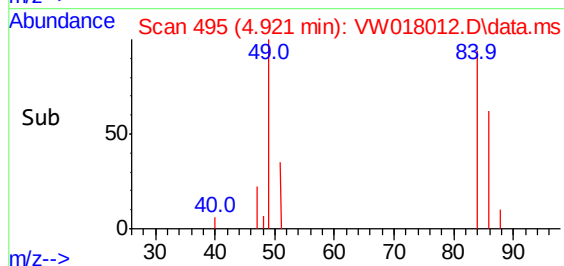
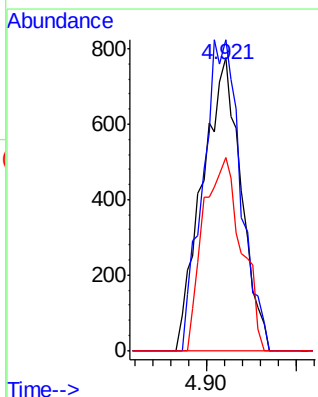
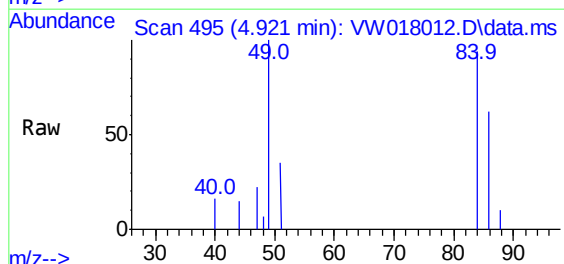
Instrument :  
MSVOA\_W  
ClientSampled :  
C0A37

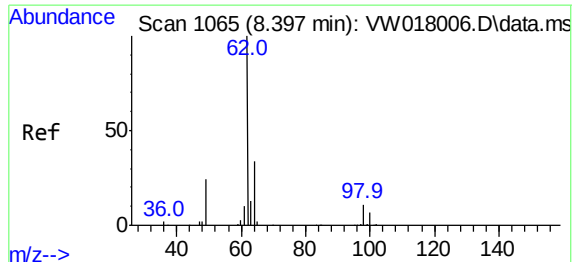
Tgt Ion: 43 Resp: 3796  
Ion Ratio Lower Upper  
43 100  
58 32.2 0.0 68.4



#16  
Methylene chloride  
Concen: 1.72 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Tgt Ion: 84 Resp: 2331  
Ion Ratio Lower Upper  
84 100  
49 106.0 81.2 150.8  
86 65.9 44.5 82.7

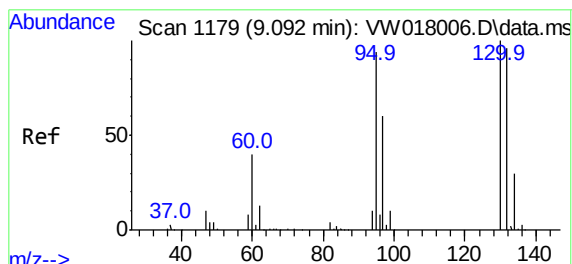
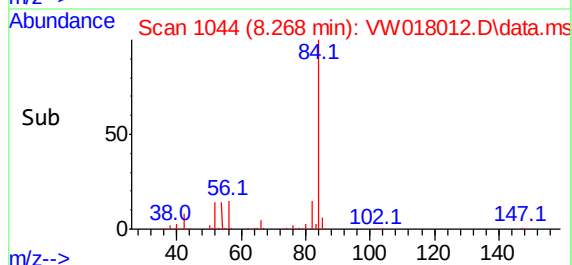
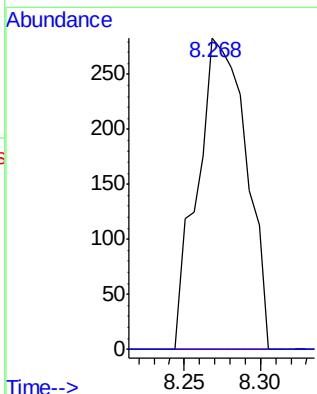
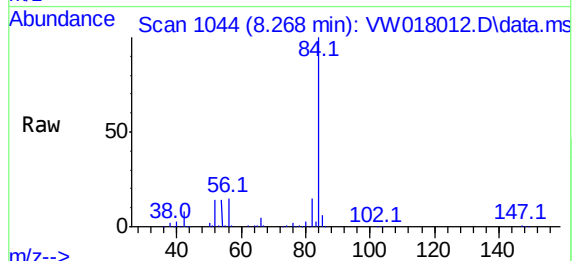




#27  
1,2-Dichloroethane  
Concen: 0.46 ug/L  
RT: 8.268 min Scan# 1044  
Delta R.T. -0.128 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

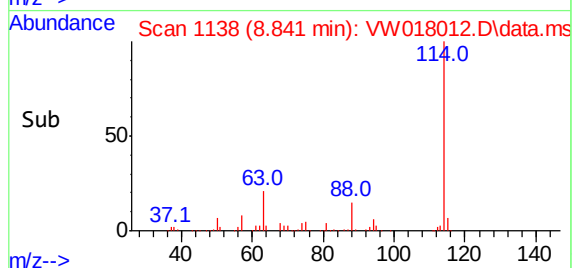
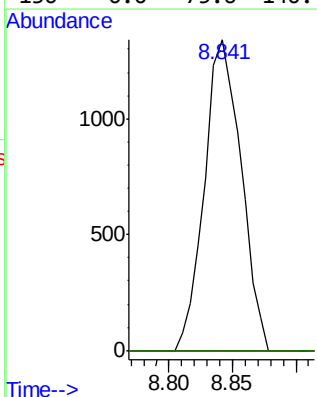
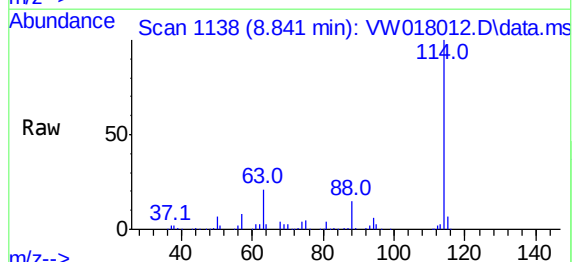
Instrument :  
MSVOA\_W  
ClientSampled :  
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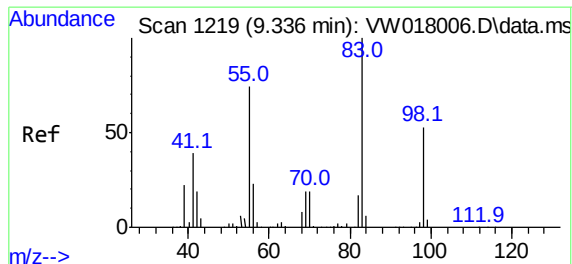
Tgt Ion: 62 Resp: 629  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.0 12.0#



#35  
Trichloroethene  
Concen: 2.27 ug/L  
RT: 8.841 min Scan# 1138  
Delta R.T. -0.250 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Tgt Ion: 95 Resp: 2639  
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#

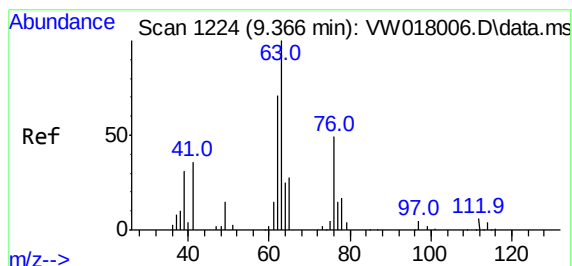
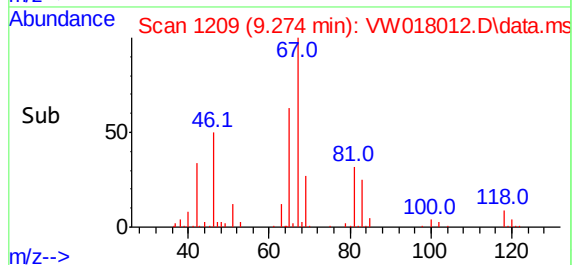
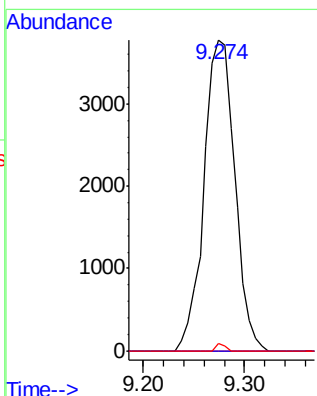
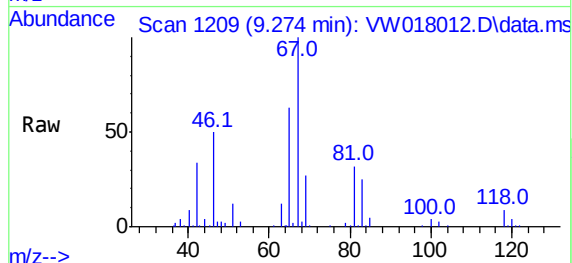




#36  
Methylcyclohexane  
Concen: 4.05 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

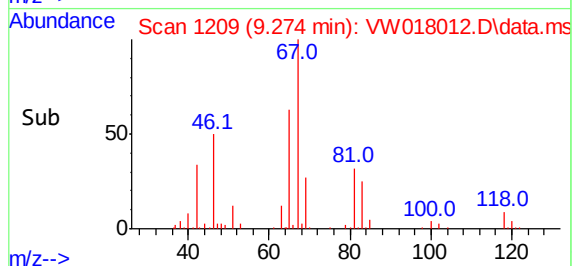
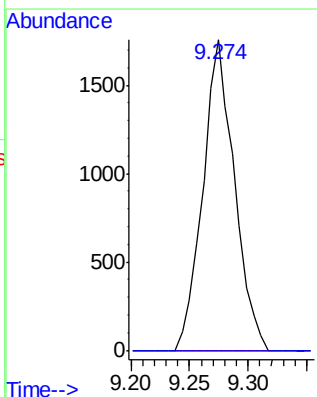
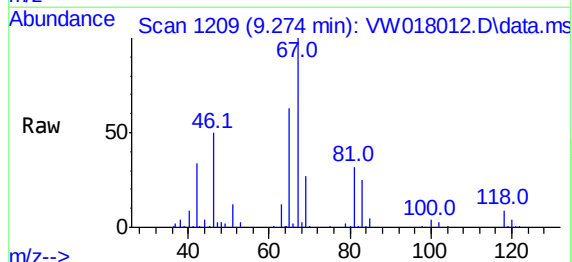
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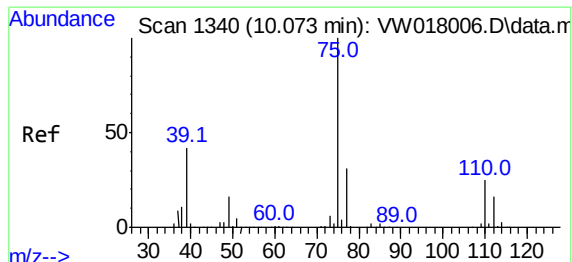
Tgt Ion: 83 Resp: 7932  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.4 89.0#  
98 0.7 40.7 61.1#



#40  
1,2-Dichloropropane  
Concen: 3.48 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.092 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Tgt Ion: 63 Resp: 3306  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.2 6.4#

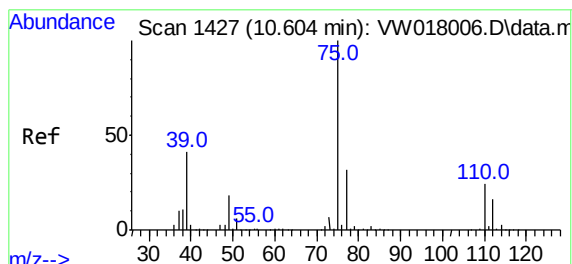
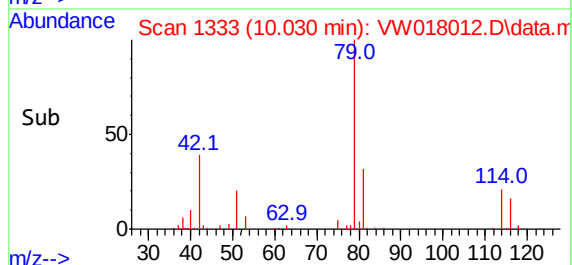
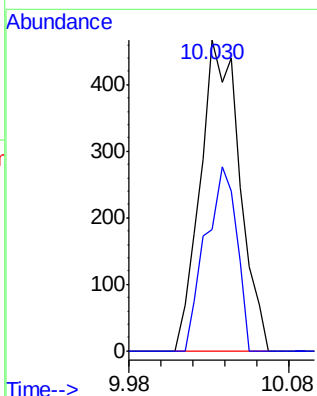
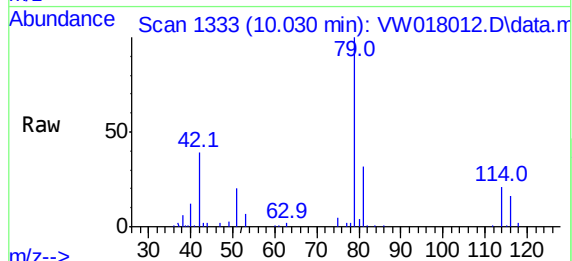




#42  
cis-1,3-Dichloropropene  
Concen: 0.55 ug/L  
RT: 10.030 min Scan# 1333  
Delta R.T. -0.043 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

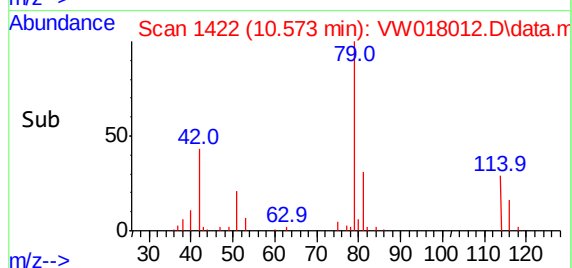
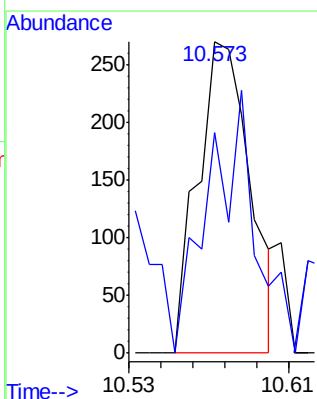
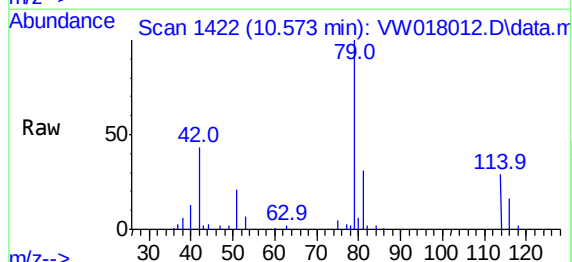
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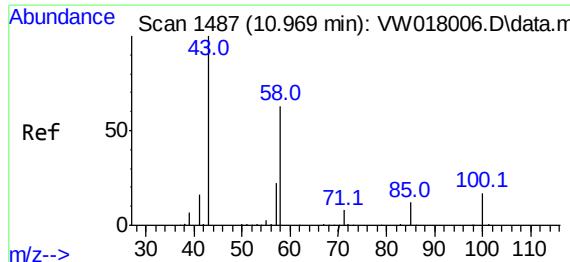
Tgt Ion: 75 Resp: 836  
Ion Ratio Lower Upper  
75 100  
77 39.2 22.7 42.3



#45  
trans-1,3-Dichloropropene  
Concen: 0.34 ug/L  
RT: 10.573 min Scan# 1422  
Delta R.T. -0.031 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Tgt Ion: 75 Resp: 451  
Ion Ratio Lower Upper  
75 100  
77 70.7 22.6 42.0#



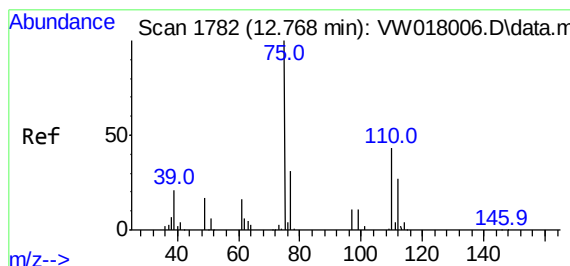
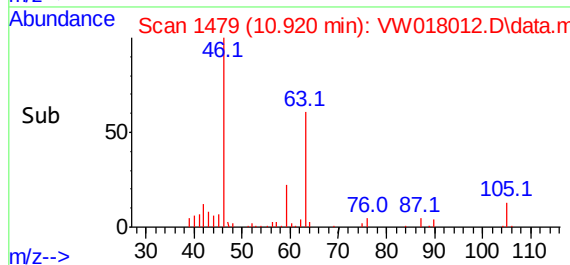
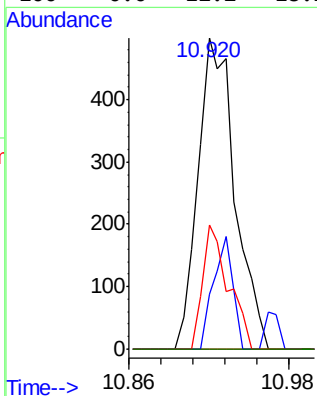
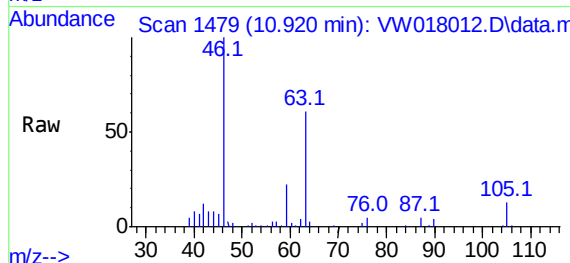


#49  
2-Hexanone  
Concen: 2.24 ug/L  
RT: 10.920 min Scan# 1479  
Delta R.T. -0.049 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion: 43 Resp: 919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 19.4  | 51.3  | 76.9# |
| 57  | 27.9  | 15.0  | 22.6# |
| 100 | 0.0   | 12.2  | 18.2# |



#59  
1,2,3-Trichloropropane  
Concen: 3.93 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.786 min  
Lab File: VW018012.D  
Acq: 02 Feb 2021 15:47

Tgt Ion: 75 Resp: 2853

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.3  | 26.6  | 39.8  |

