

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032321\  
 Data File : VW018429.D  
 Acq On : 23 Mar 2021 16:17  
 Operator : SY/VA  
 Sample : M1781-08  
 Misc : 5.62G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4N4

Quant Time: Mar 24 01:26:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 24 01:23:39 2021  
 Response via : Initial Calibration

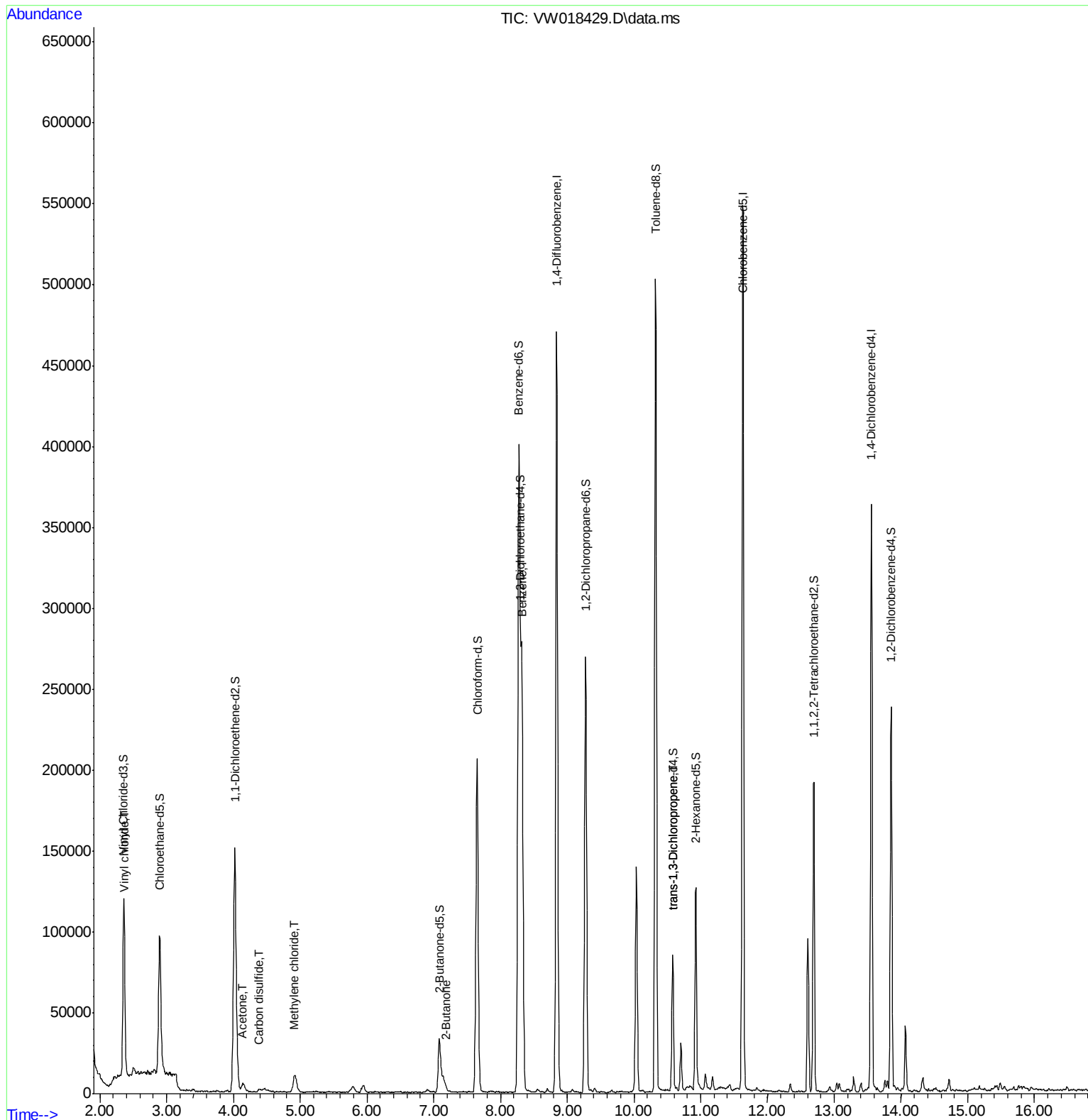
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 383876     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 295551     | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 89100      | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 126479     | 23.68   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 94.72%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 117961     | 25.23   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 100.92% |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 156601     | 16.98   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 67.92%  |        |          |
| 20) 2-Butanone-d5             | 7.086          | 46   | 55866      | 46.97   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.94%  |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 210041     | 21.48   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 85.92%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 125426     | 21.98   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 87.92%  |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 399571     | 25.43   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 101.72% |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 115422     | 25.47   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 101.88% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 337901     | 22.34   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 89.36%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 44957      | 19.23   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 76.92%  |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 43909      | 49.51   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 99.02%  |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 91831      | 22.65   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 90.60%  |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 58855      | 18.58   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 74.32%# |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 5) Vinyl chloride             | 2.367          | 62   | 3911       | 0.54    | ug/L # | 7        |
| 13) Acetone                   | 4.141          | 43   | 10900      | 12.76   | ug/L   | 66       |
| 14) Carbon disulfide          | 4.379          | 76   | 3669       | 0.25    | ug/L   | 98       |
| 16) Methylene chloride        | 4.915          | 84   | 5297       | 0.84    | ug/L   | 90       |
| 21) 2-Butanone                | 7.177          | 43   | 1585       | 1.17    | ug/L   | 98       |
| 34) Benzene                   | 8.323          | 78   | 179066     | 10.46   | ug/L   | 100      |
| 45) trans-1,3-Dichloropropene | 10.579         | 75   | 2238       | 0.35    | ug/L # | 82       |
| -----                         |                |      |            |         |        |          |

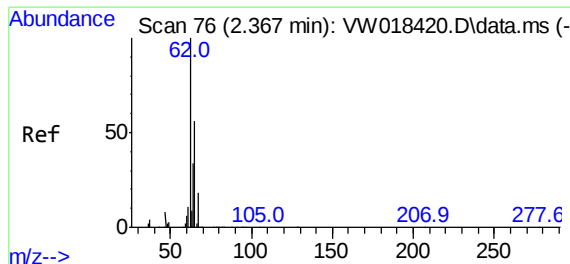
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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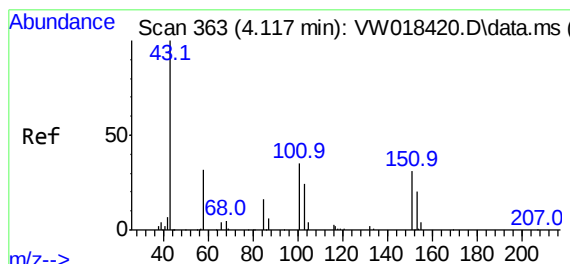
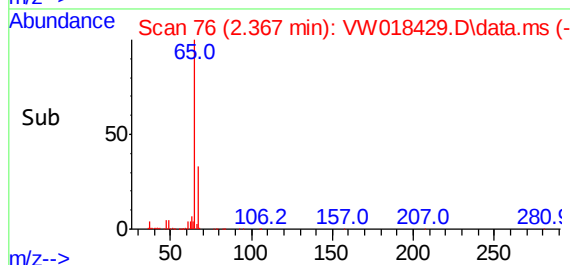
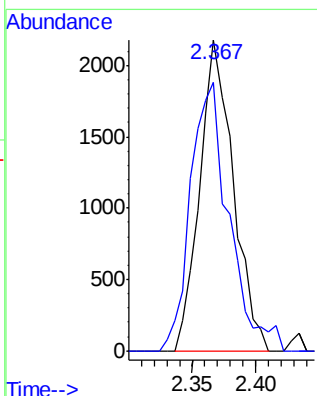
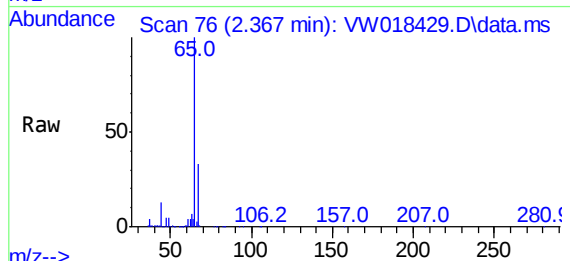




#5  
 Vinyl chloride  
 Concen: 0.54 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VW018429.D  
 Acq: 23 Mar 2021 16:17

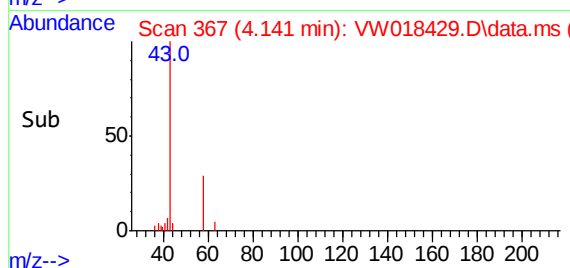
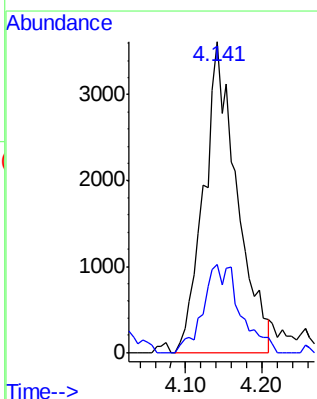
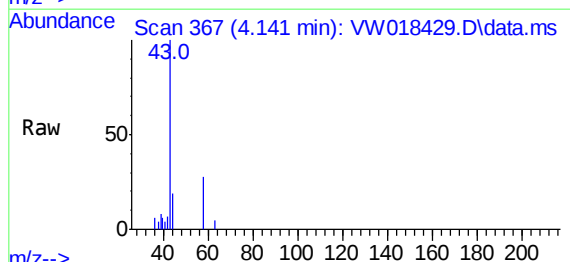
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 BG4N4

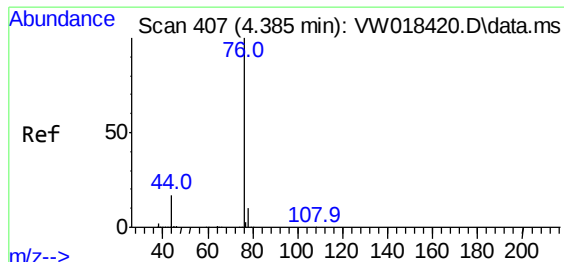
Tgt Ion: 62 Resp: 3911  
 Ion Ratio Lower Upper  
 62 100  
 64 86.4 23.5 43.7#



#13  
 Acetone  
 Concen: 12.76 ug/L  
 RT: 4.141 min Scan# 367  
 Delta R.T. 0.024 min  
 Lab File: VW018429.D  
 Acq: 23 Mar 2021 16:17

Tgt Ion: 43 Resp: 10900  
 Ion Ratio Lower Upper  
 43 100  
 58 12.2 0.0 62.2





#14

Carbon disulfide

Concen: 0.25 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW018429.D

Acq: 23 Mar 2021 16:17

Tgt Ion: 76 Resp: 3669

Ion Ratio Lower Upper

76 100

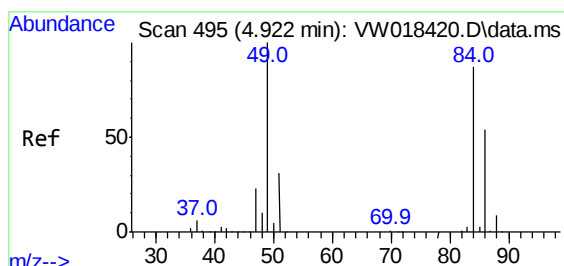
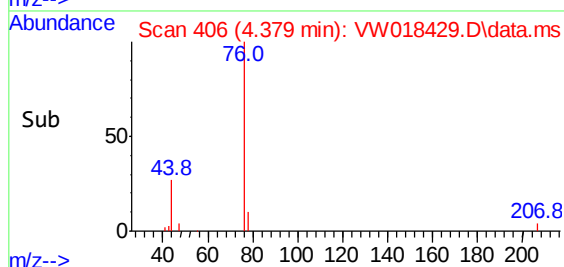
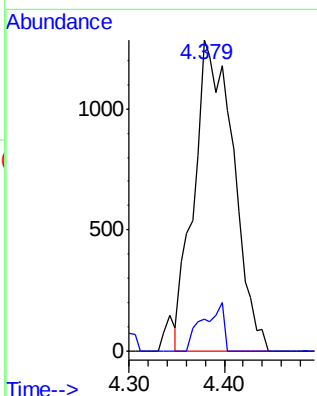
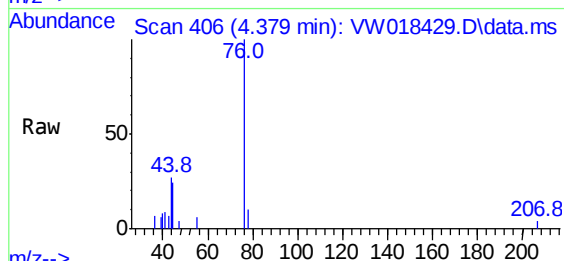
78 10.2 7.4 11.2

Instrument :

MSVOA\_W

ClientSampled :

BG4N4



#16

Methylene chloride

Concen: 0.84 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.006 min

Lab File: VW018429.D

Acq: 23 Mar 2021 16:17

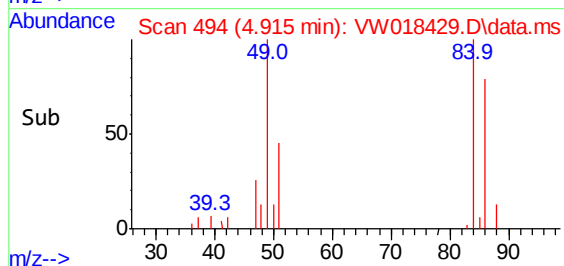
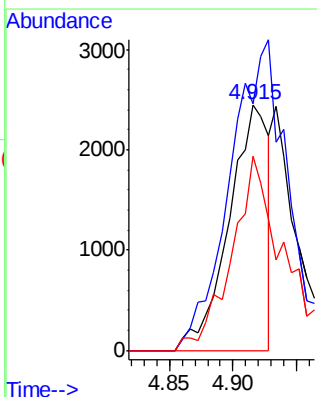
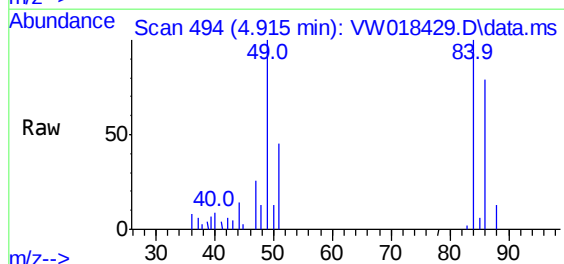
Tgt Ion: 84 Resp: 5297

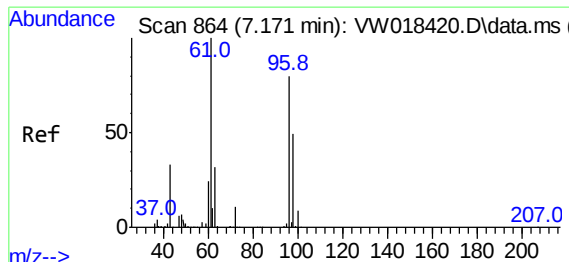
Ion Ratio Lower Upper

84 100

49 100.2 74.4 138.2

86 78.9 46.1 85.7

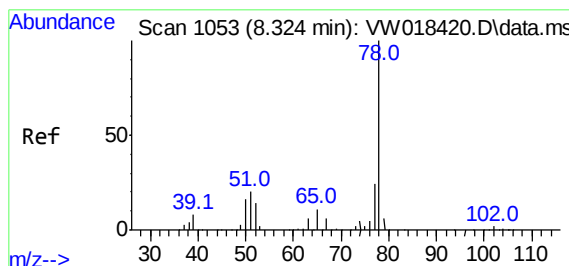
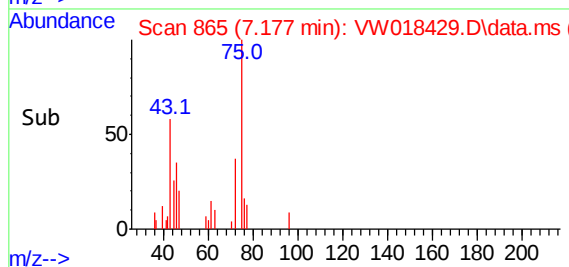
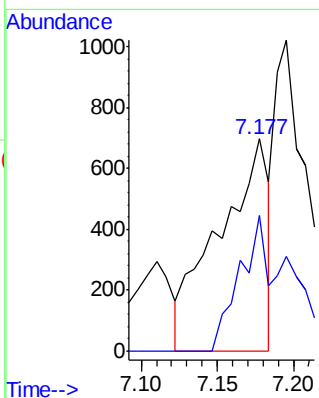
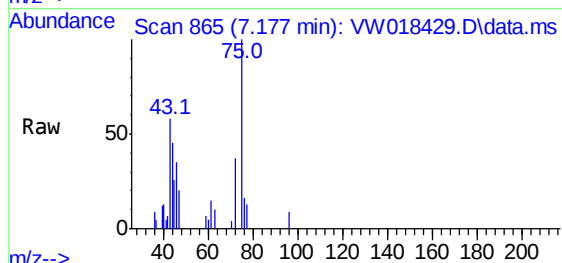




#21  
2-Butanone  
Concen: 1.17 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW018429.D  
Acq: 23 Mar 2021 16:17

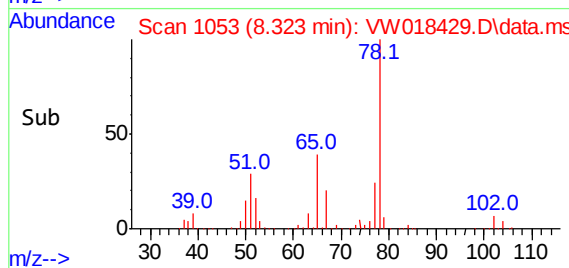
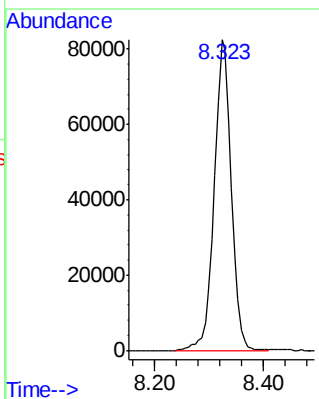
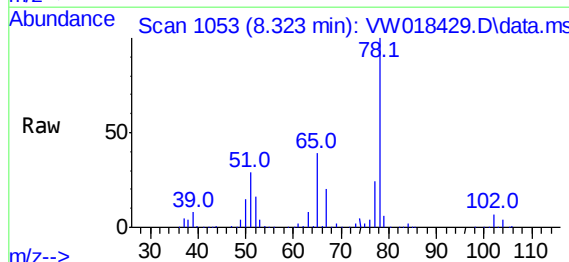
Instrument :  
MSVOA\_W  
ClientSampled :  
BG4N4

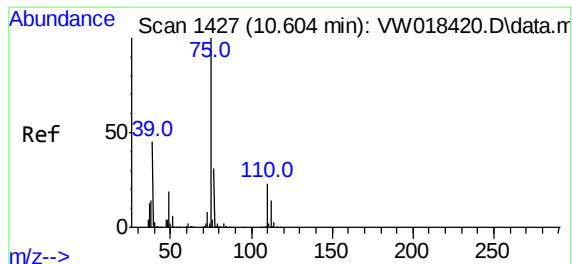
Tgt Ion: 43 Resp: 1585  
Ion Ratio Lower Upper  
43 100  
72 34.3 16.5 49.5



#34  
Benzene  
Concen: 10.46 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW018429.D  
Acq: 23 Mar 2021 16:17

Tgt Ion: 78 Resp: 179066





#45  
 trans-1,3-Dichloropropene  
 Concen: 0.35 ug/L  
 RT: 10.579 min Scan# 1423  
 Delta R.T. -0.025 min  
 Lab File: VW018429.D  
 Acq: 23 Mar 2021 16:17

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4N4

Tgt Ion: 75 Resp: 2238  
 Ion Ratio Lower Upper  
 75 100  
 77 42.6 22.6 42.0#

