

Data File : VW013801.D  
Acq On : 29 Oct 2019 18:39  
Operator : SY/VA  
Sample : K5565-02  
Misc : 6.13G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JLNA1

Quant Time: Oct 30 07:03:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 30 06:58:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 333018   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 296935   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138523   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 95099    | 23.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.08% |
| 7) Chloroethane-d5             | 2.89   | 69    | 76938    | 20.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.68% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 143156   | 15.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.44% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 65865    | 45.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.14% |
| 24) Chloroform-d               | 7.65   | 84    | 201423   | 21.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.48% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 110563   | 22.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 425183   | 23.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.32% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 129508   | 24.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 376072   | 22.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.44% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 52533    | 21.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.44% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 50545    | 49.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.24% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 100157   | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.80% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 106994   | 21.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.44% |

#### Target Compounds

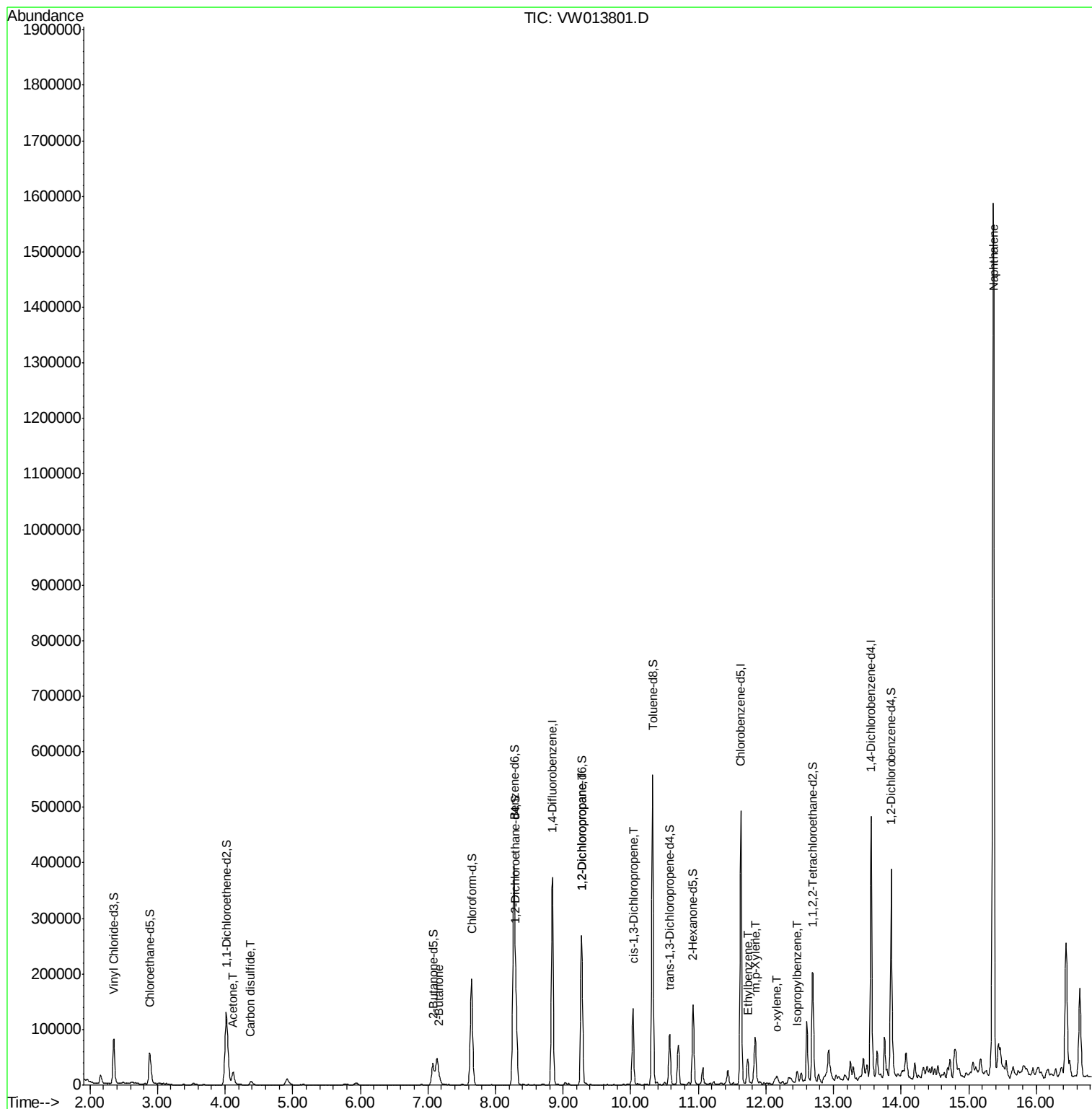
|                             |       |     |         |         |        | Qvalue |
|-----------------------------|-------|-----|---------|---------|--------|--------|
| 13) Acetone                 | 4.12  | 43  | 40314   | 24.856  | ug/L   | 97     |
| 14) Carbon disulfide        | 4.38  | 76  | 6222    | 0.411   | ug/L   | 96     |
| 21) 2-Butanone              | 7.16  | 43  | 15994   | 7.767   | ug/L   | 97     |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 14302   | 2.745   | ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75  | 3102    | 0.377   | ug/L # | 74     |
| 53) Ethylbenzene            | 11.73 | 91  | 33072   | 1.308   | ug/L   | 99     |
| 54) m,p-Xylene              | 11.84 | 106 | 25172   | 2.576   | ug/L   | 96     |
| 55) o-xylene                | 12.16 | 106 | 2771    | 0.299   | ug/L   | 71     |
| 57) Isopropylbenzene        | 12.46 | 105 | 10458   | 0.420   | ug/L # | 88     |
| 69) Naphthalene             | 15.36 | 128 | 1402234 | 130.447 | ug/L   | 100    |

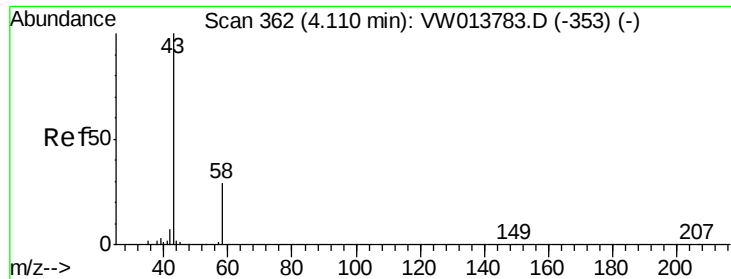
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013801.D  
Acq On : 29 Oct 2019 18:39  
Operator : SY/VA  
Sample : K5565-02  
Misc : 6.13G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JLNA1

Quant Time: Oct 30 07:03:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 30 06:58:53 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 24.856 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW013801.D

Acq: 29 Oct 2019 18:39

Instrument :

MSVOA\_W

ClientSampleId :

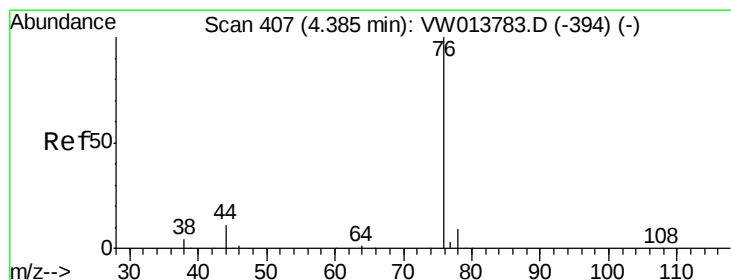
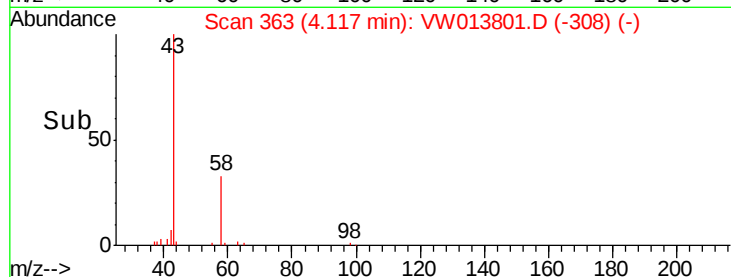
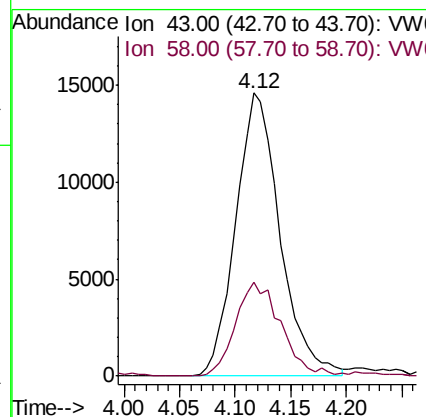
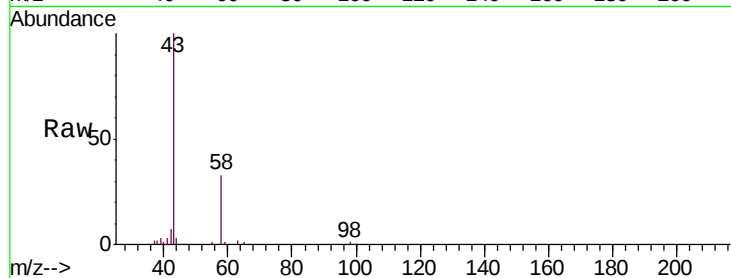
JLNA1

Tgt Ion: 43 Resp: 40314

Ion Ratio Lower Upper

43 100

58 33.2 0.0 70.4



#14

Carbon disulfide

Concen: 0.411 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013801.D

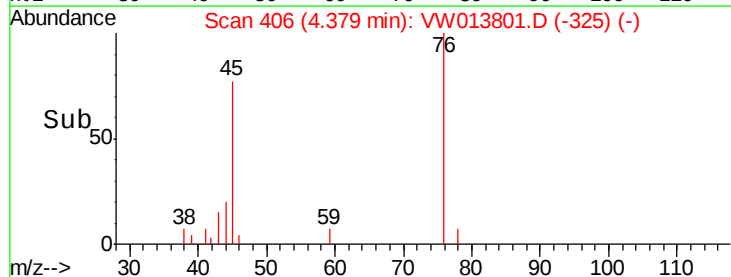
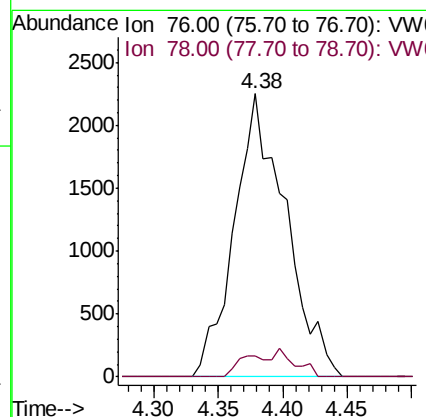
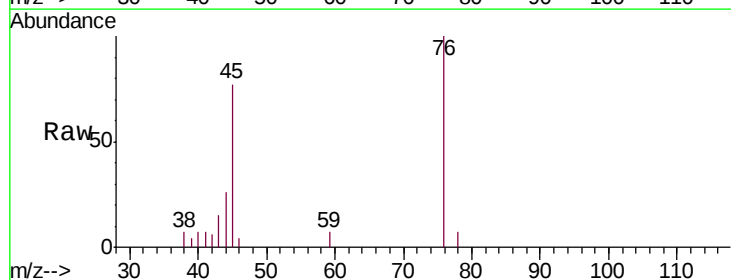
Acq: 29 Oct 2019 18:39

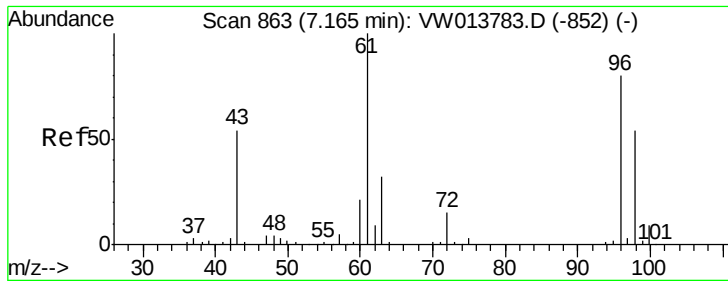
Tgt Ion: 76 Resp: 6222

Ion Ratio Lower Upper

76 100

78 7.4 7.1 10.7

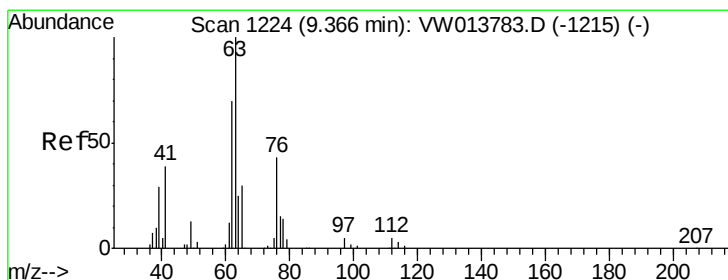
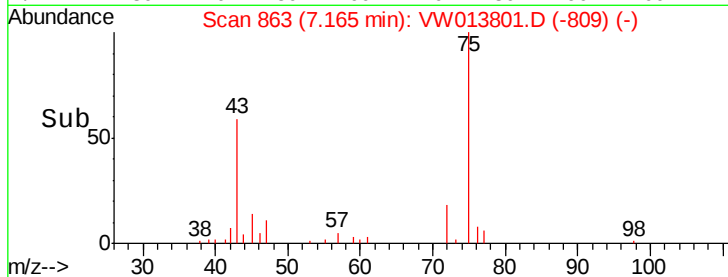
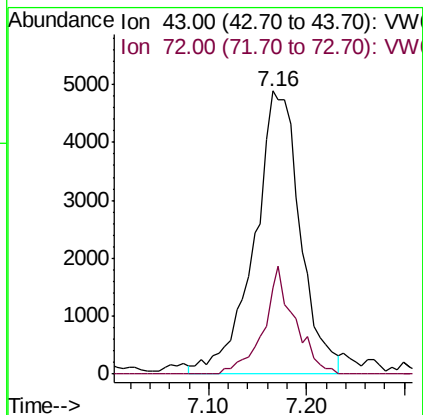
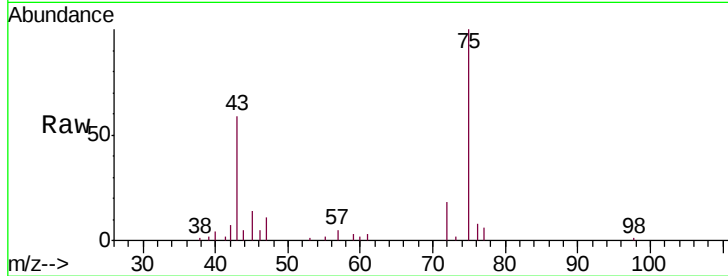




#21  
 2-Butanone  
 Concen: 7.767 ug/L  
 RT: 7.16 min Scan# 863  
 Delta R.T. 0.00 min  
 Lab File: VW013801.D  
 Acq: 29 Oct 2019 18:39

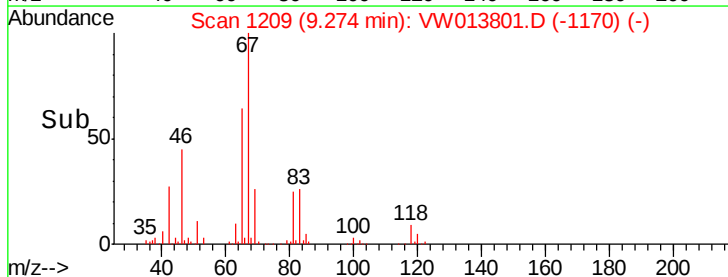
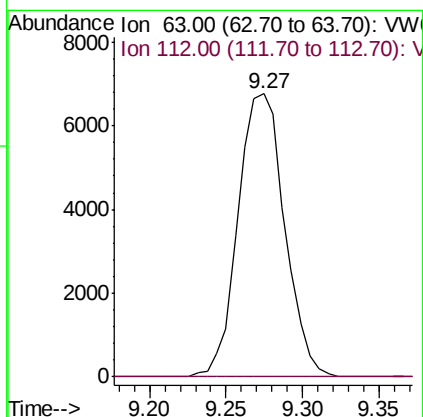
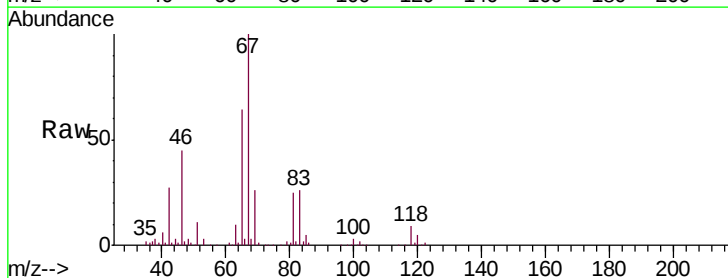
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 JLNA1

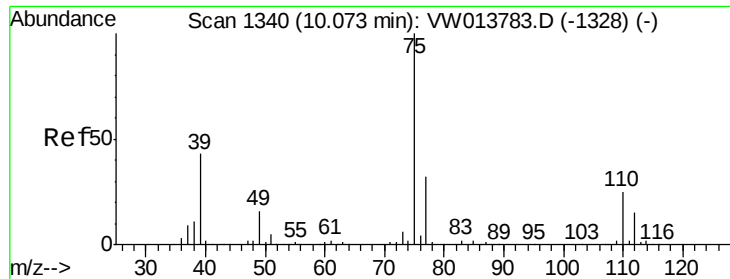
Tgt Ion: 43 Resp: 15994  
 Ion Ratio Lower Upper  
 43 100  
 72 25.8 13.7 41.1



#40  
 1,2-Dichloropropane  
 Concen: 2.745 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.09 min  
 Lab File: VW013801.D  
 Acq: 29 Oct 2019 18:39

Tgt Ion: 63 Resp: 14302  
 Ion Ratio Lower Upper  
 63 100  
 112 0.2 3.9 5.9#





#42

cis-1,3-Dichloropropene

Concen: 0.377 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW013801.D

Acq: 29 Oct 2019 18:39

Instrument :

MSVOA\_W

ClientSampleId :

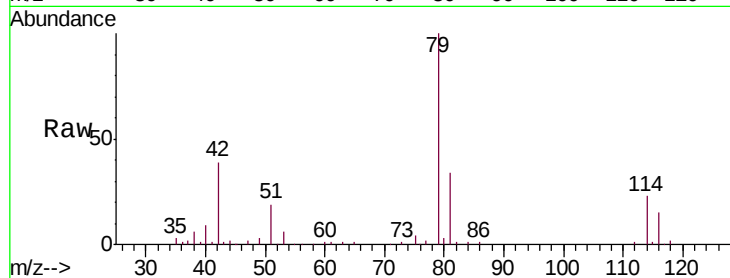
JLNA1

Tgt Ion: 75 Resp: 3102

Ion Ratio Lower Upper

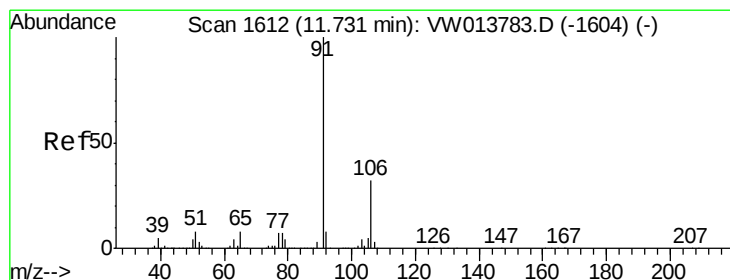
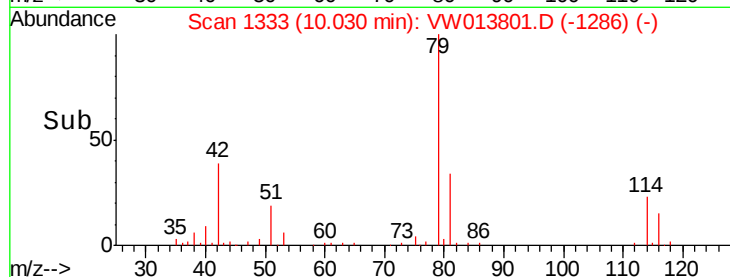
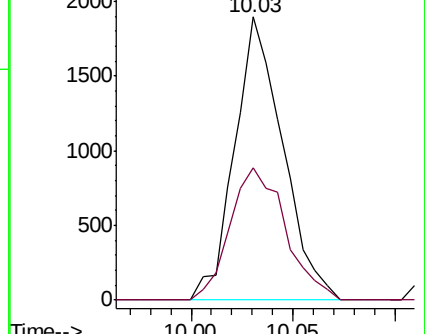
75 100

77 46.8 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#53

Ethylbenzene

Concen: 1.308 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013801.D

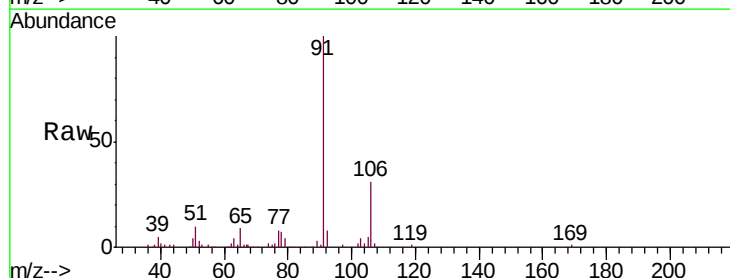
Acq: 29 Oct 2019 18:39

Tgt Ion: 91 Resp: 33072

Ion Ratio Lower Upper

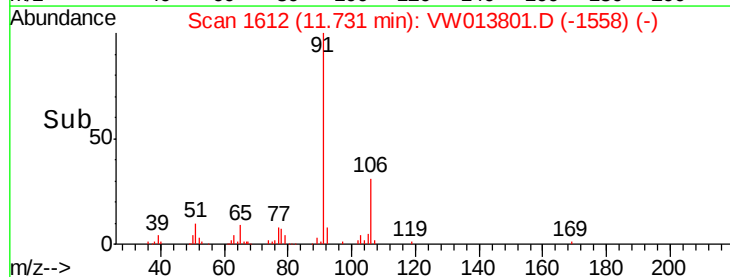
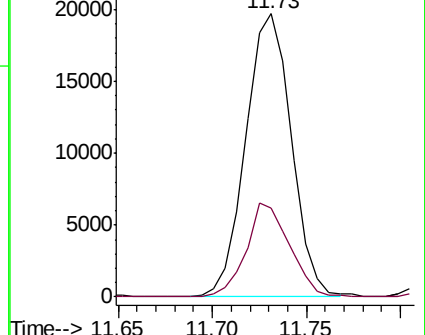
91 100

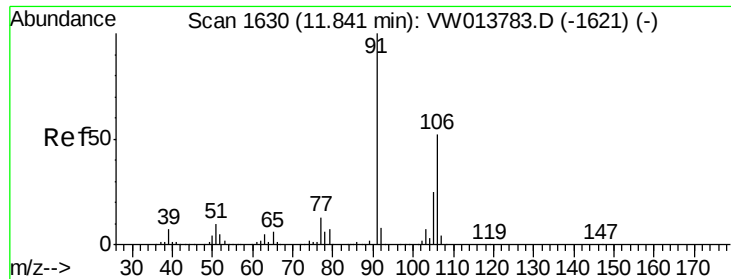
106 31.2 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.576 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013801.D

Acq: 29 Oct 2019 18:39

Instrument :

MSVOA\_W

ClientSampleId :

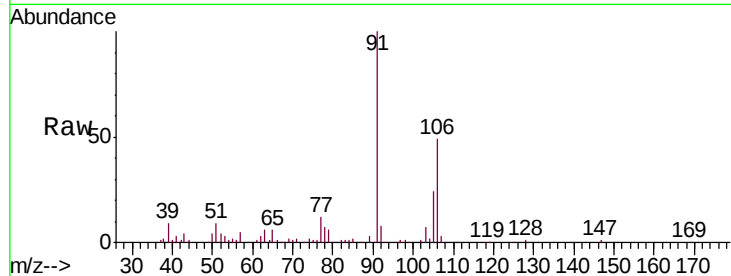
JLNA1

Tgt Ion:106 Resp: 25172

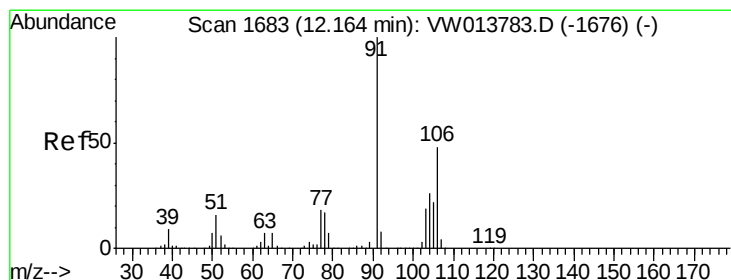
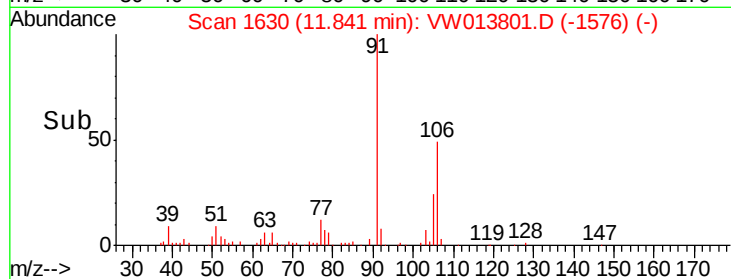
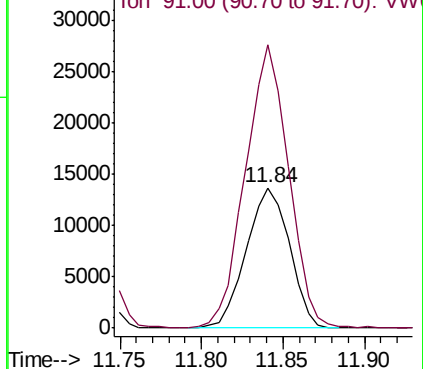
Ion Ratio Lower Upper

106 100

91 202.1 137.7 255.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

o-xylene

Concen: 0.299 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013801.D

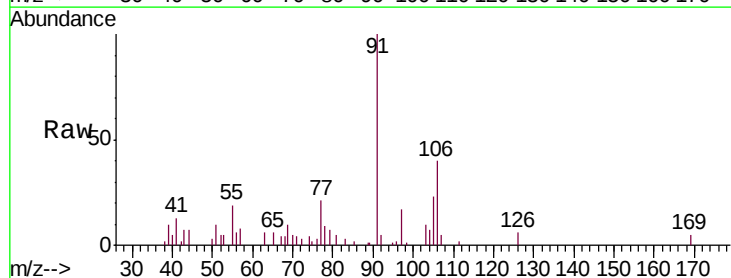
Acq: 29 Oct 2019 18:39

Tgt Ion:106 Resp: 2771

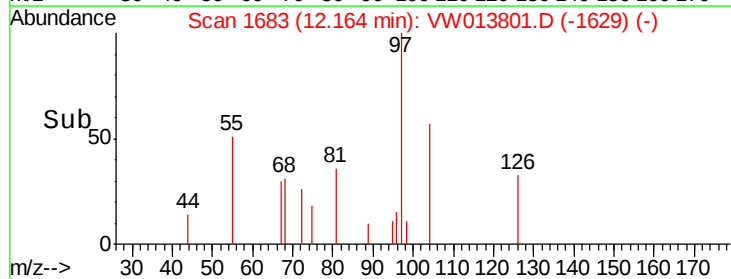
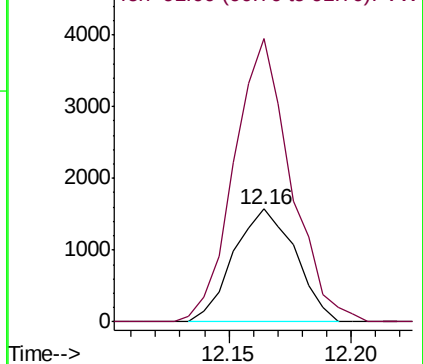
Ion Ratio Lower Upper

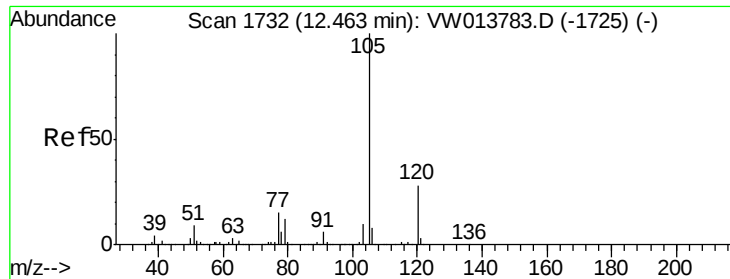
106 100

91 251.5 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V





#57

Isopropylbenzene

Concen: 0.420 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013801.D

Acq: 29 Oct 2019 18:39

Instrument :

MSVOA\_W

ClientSampleId :

JLNA1

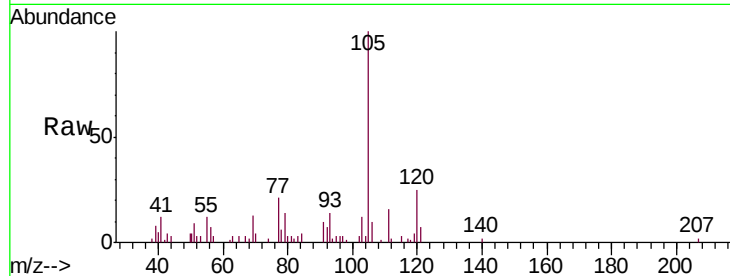
Tgt Ion:105 Resp: 10458

Ion Ratio Lower Upper

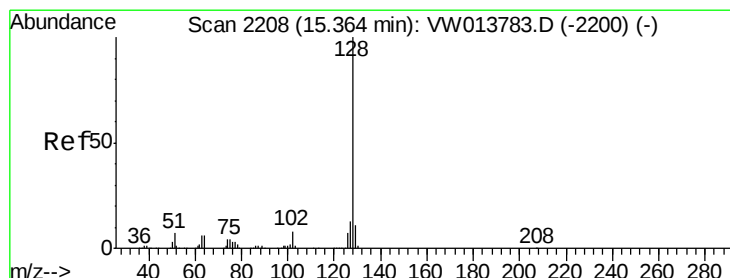
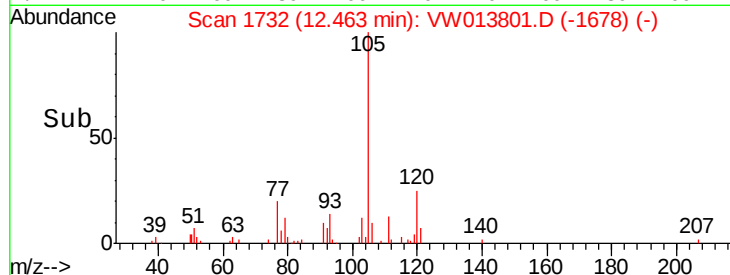
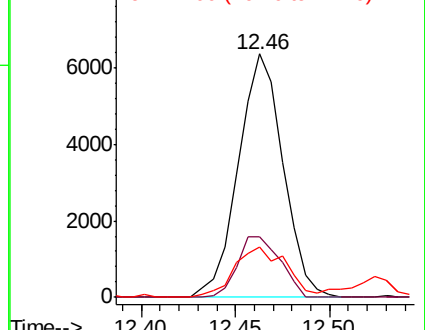
105 100

120 24.0 21.4 32.2

77 23.9 11.4 17.0#



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V  
Ion 77.00 (76.70 to 77.70): V



#69

Naphthalene

Concen: 130.447 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013801.D

Acq: 29 Oct 2019 18:39

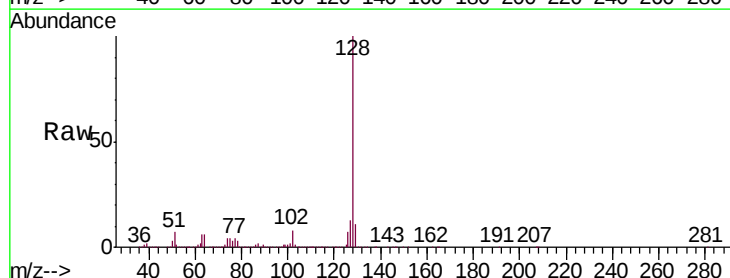
Tgt Ion:128 Resp: 1402234

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

