

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
 Data File : VW012638.D  
 Acq On : 05 Sep 2019 14:11  
 Operator : SY/VA  
 Sample : K4639-03  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DW-01

Quant Time: Sep 05 17:07:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

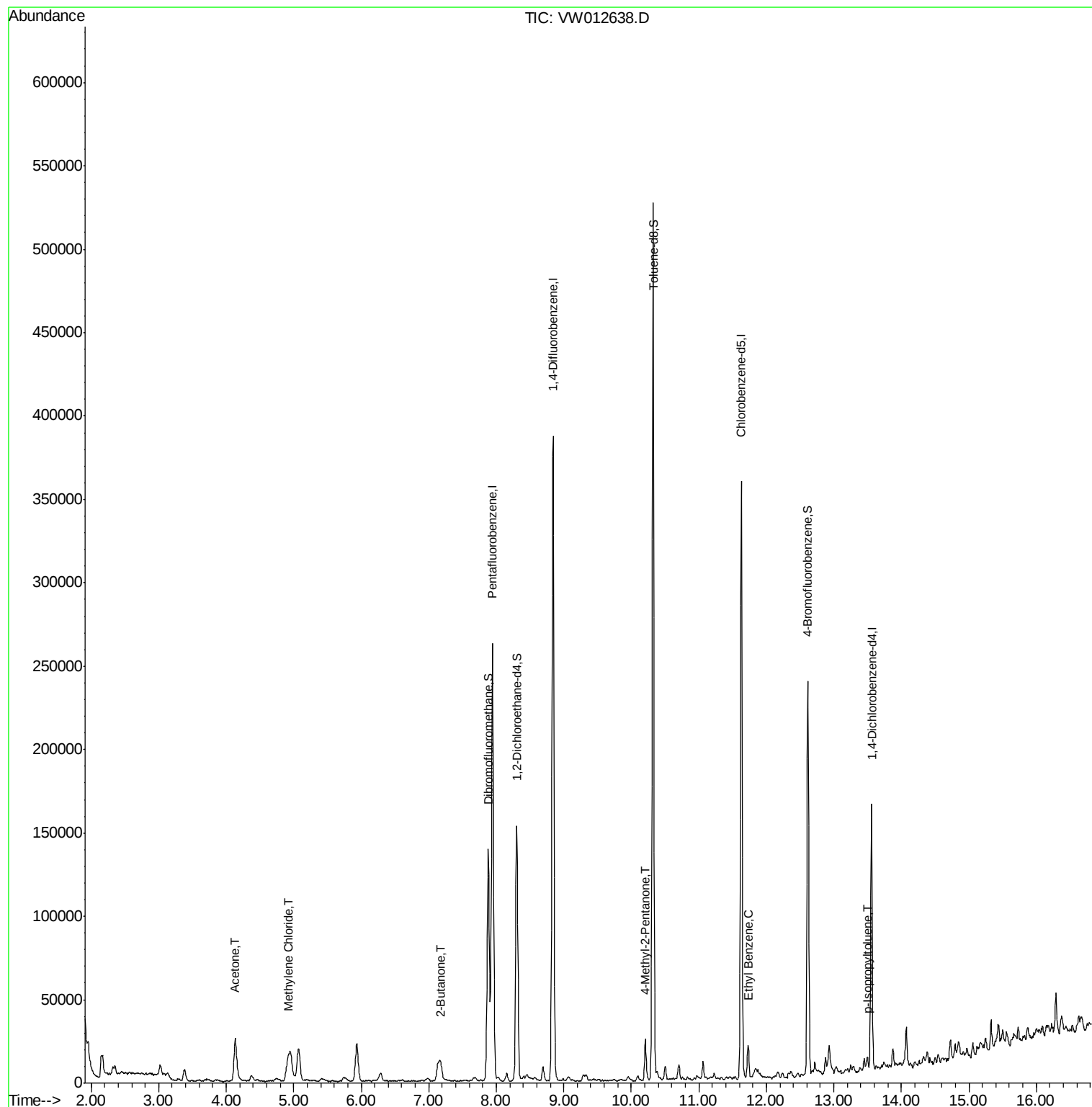
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 186506   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 309019   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 191513   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 40760    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 124439   | 56.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.26% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 100010   | 54.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.44% |          |
| 50) Toluene-d8              | 10.32 | 98   | 329081   | 44.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.00%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 68530    | 25.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 51.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 50903    | 89.818 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.91  | 84   | 8133     | 3.796  | ug/l    | 92       |
| 25) 2-Butanone              | 7.18  | 43   | 17277    | 22.434 | ug/l    | 98       |
| 51) 4-Methyl-2-Pentanone    | 10.21 | 43   | 18213    | 11.047 | ug/l    | 98       |
| 67) Ethyl Benzene           | 11.73 | 91   | 12907    | 1.777  | ug/l    | 96       |
| 86) p-Isopropyltoluene      | 13.50 | 119  | 3779     | 1.366  | ug/l    | 93       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
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Sample : K4639-03  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DW-01

Quant Time: Sep 05 17:07:58 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

Instrument :

MSVOA\_W

ClientSampled :

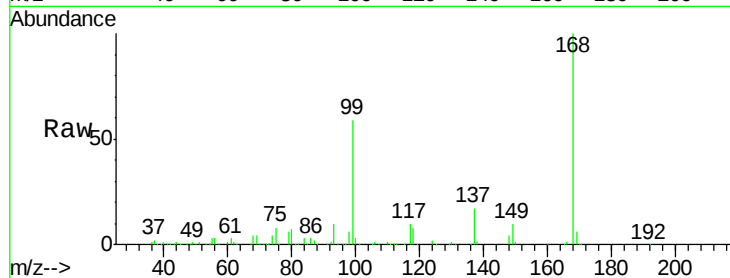
DW-01

Tot Ion:168 Resp: 186506

Ion Ratio Lower Upper

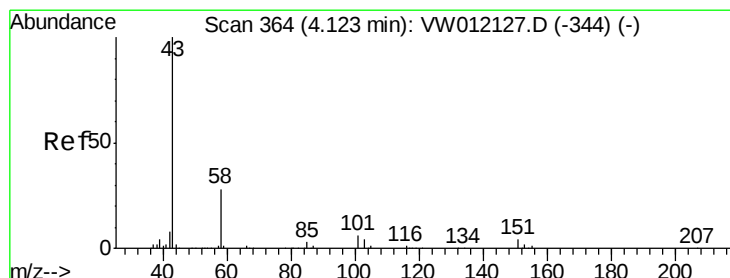
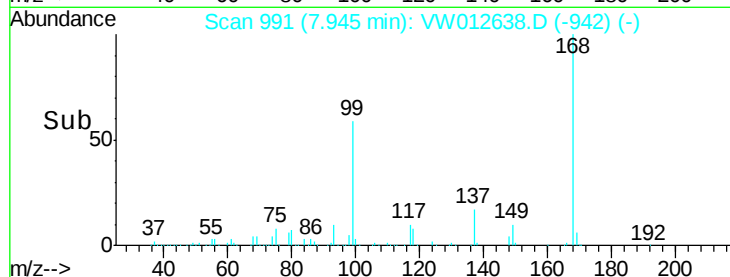
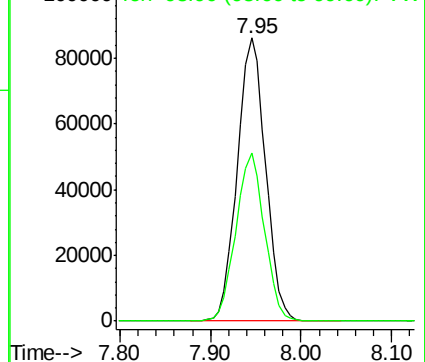
168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 89.818 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012638.D

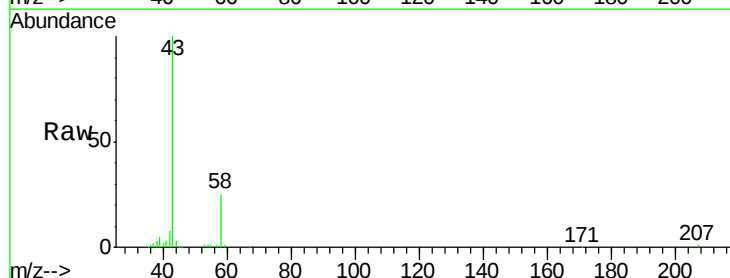
Acq: 05 Sep 2019 14:11

Tgt Ion: 43 Resp: 50903

Ion Ratio Lower Upper

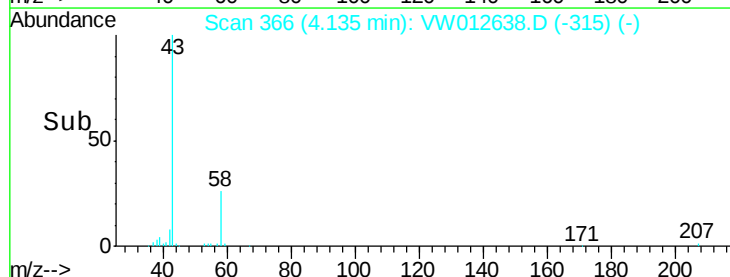
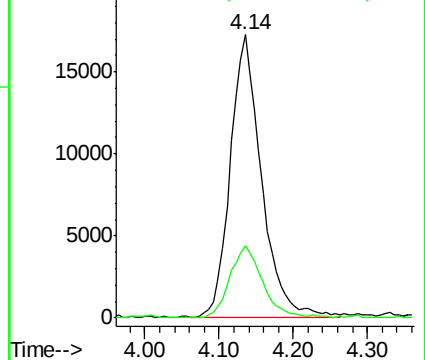
43 100

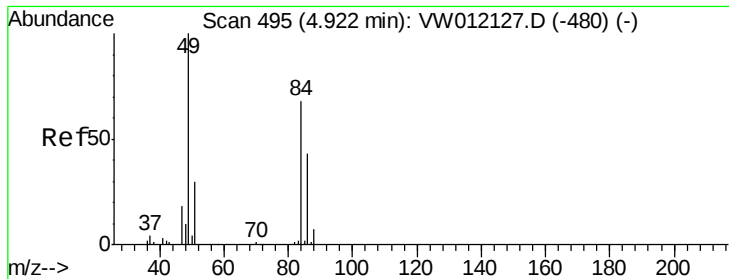
58 25.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 3.796 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

Instrument :

MSVOA\_W

ClientSampled :

DW-01

Tot Ion: 84 Resp: 8133

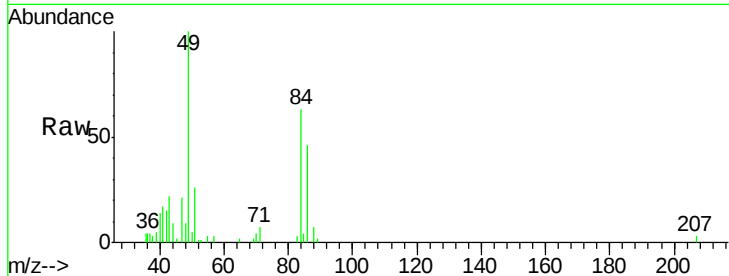
Ion Ratio Lower Upper

84 100

49 155.3 117.8 176.8

51 38.7 35.6 53.4

86 72.3 51.2 76.8

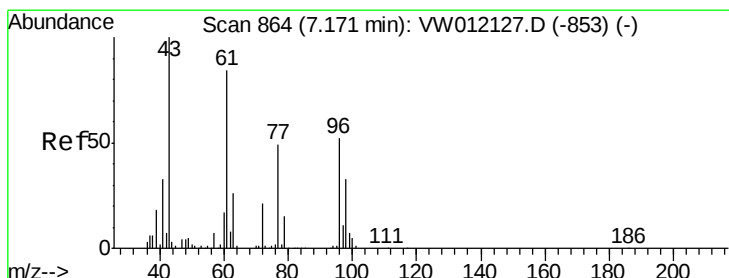
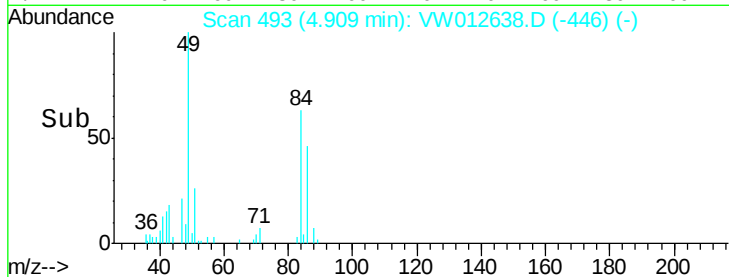
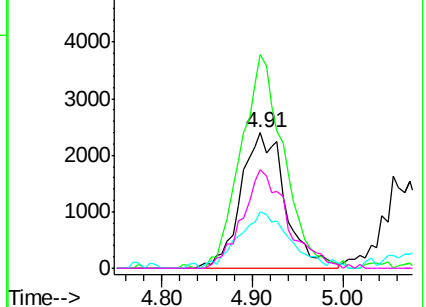


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 22.434 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012638.D

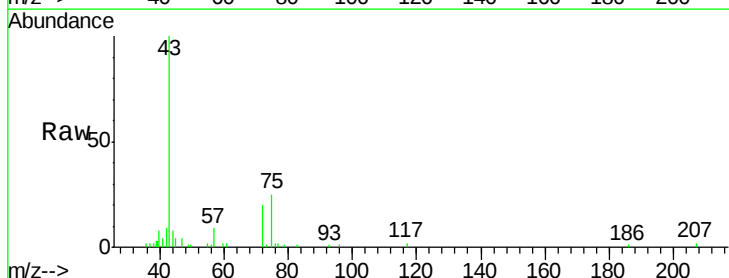
Acq: 05 Sep 2019 14:11

Tgt Ion: 43 Resp: 17277

Ion Ratio Lower Upper

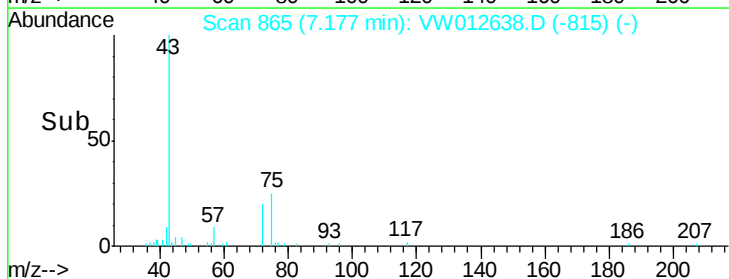
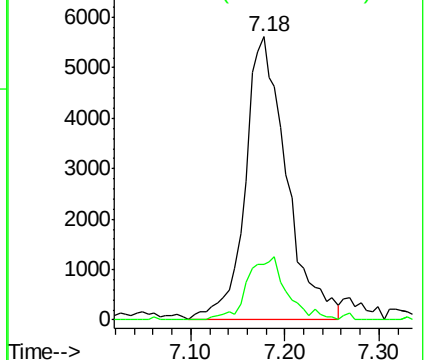
43 100

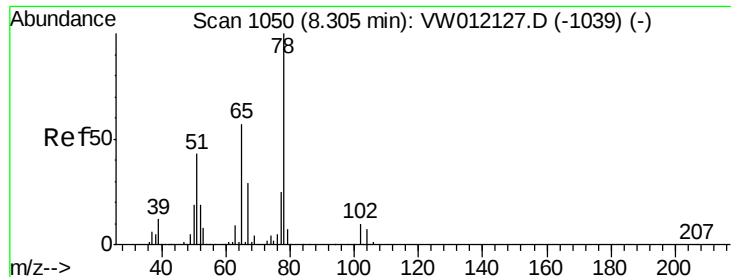
72 19.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 56.127 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

Instrument :

MSVOA\_W

ClientSampleId :

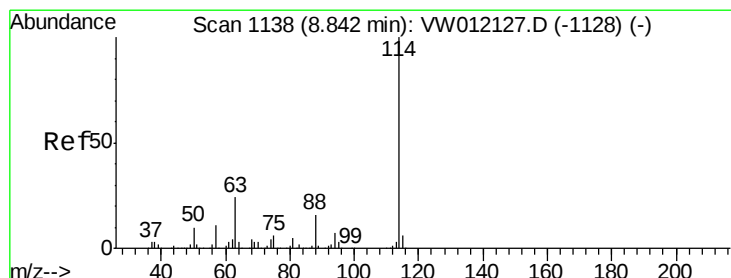
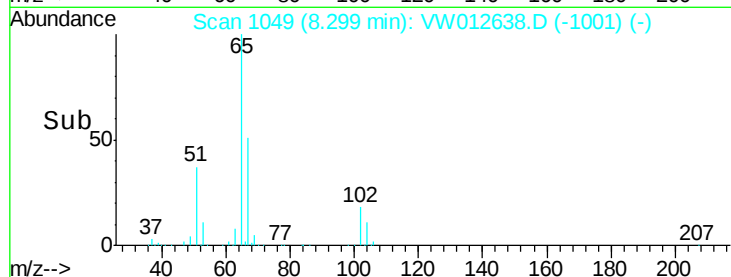
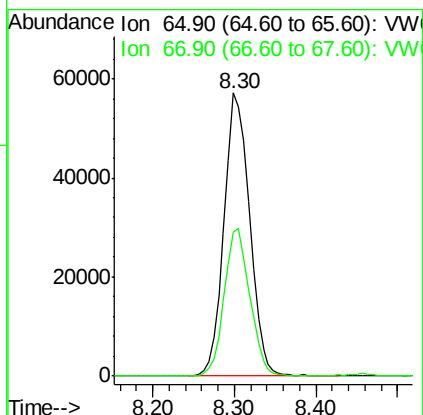
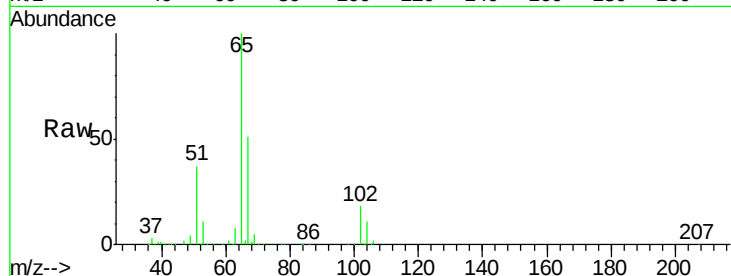
DW-01

Tot Ion: 65 Resp: 124439

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

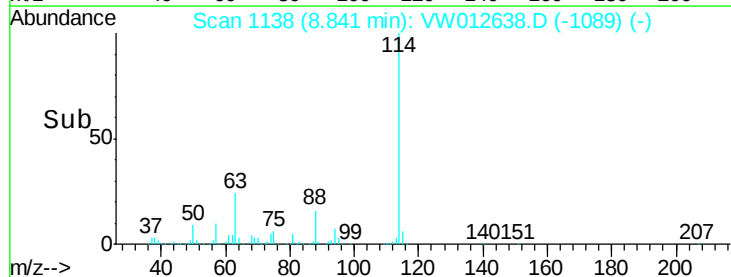
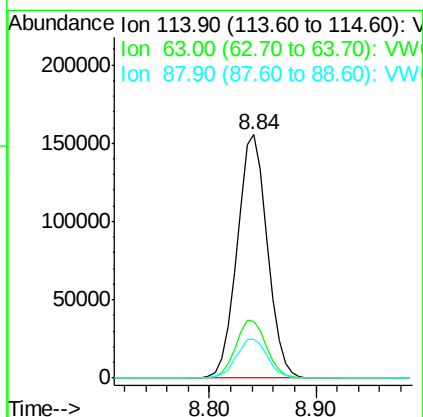
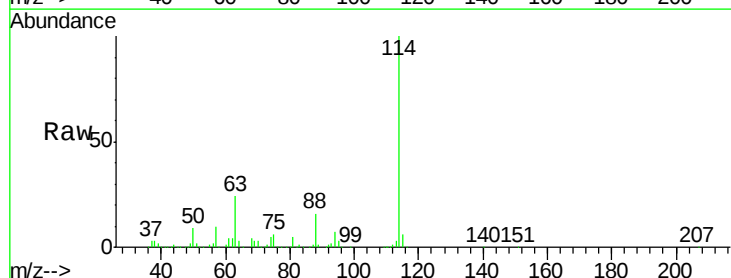
Tgt Ion: 114 Resp: 309019

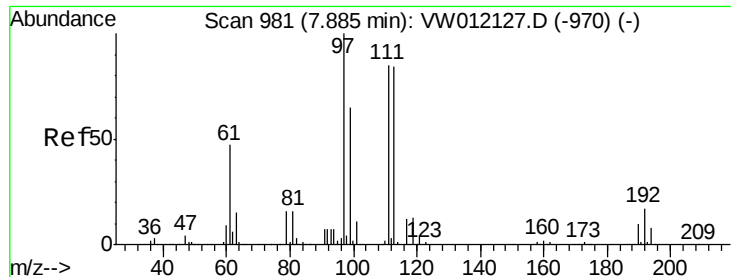
Ion Ratio Lower Upper

114 100

63 23.6 0.0 48.6

88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.219 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

Instrument :

MSVOA\_W

ClientSampleId :

DW-01

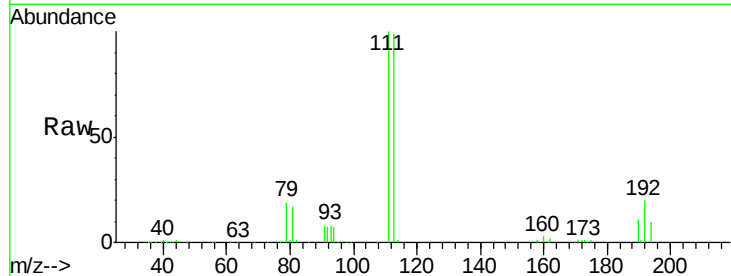
Tot Ion:113 Resp: 100010

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

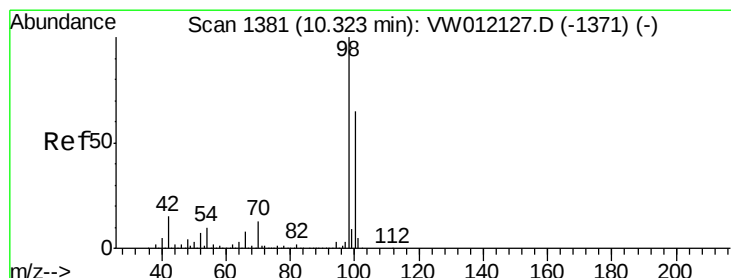
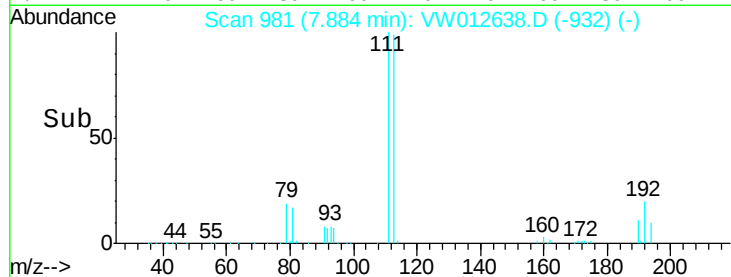
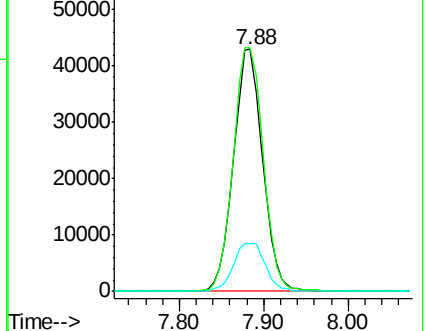
192 21.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 44.000 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012638.D

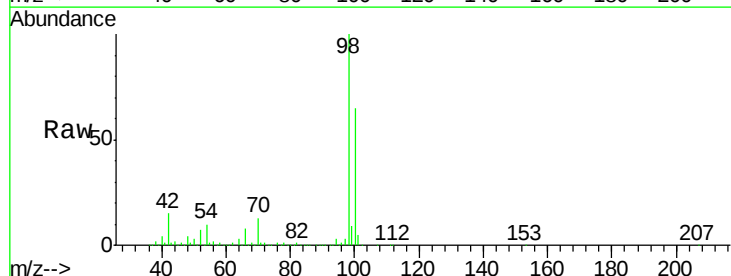
Acq: 05 Sep 2019 14:11

Tgt Ion: 98 Resp: 329081

Ion Ratio Lower Upper

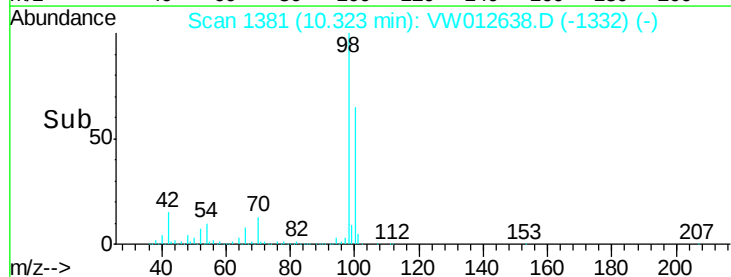
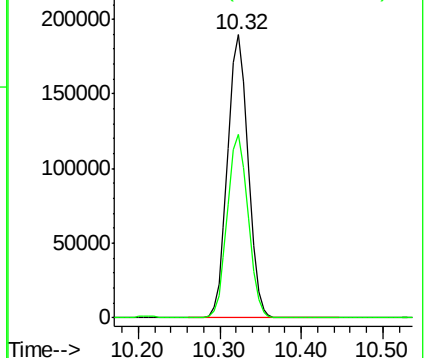
98 100

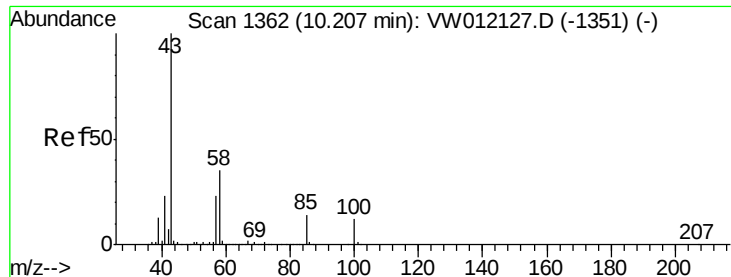
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 11.047 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

Instrument :

MSVOA\_W

ClientSampled :

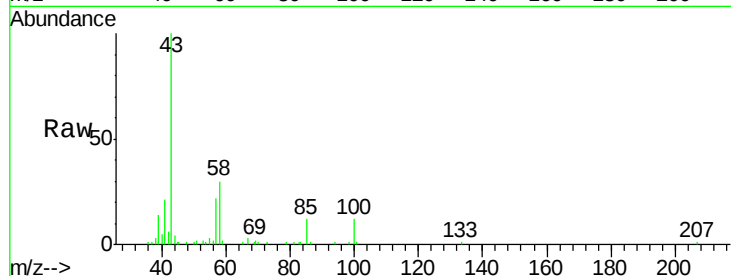
DW-01

Tot Ion: 43 Resp: 18213

Ion Ratio Lower Upper

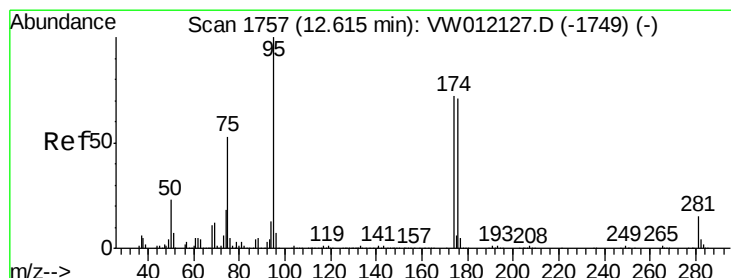
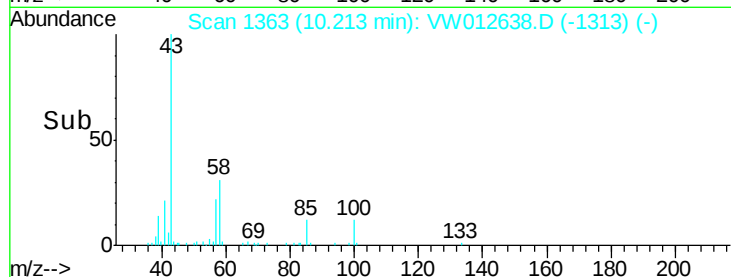
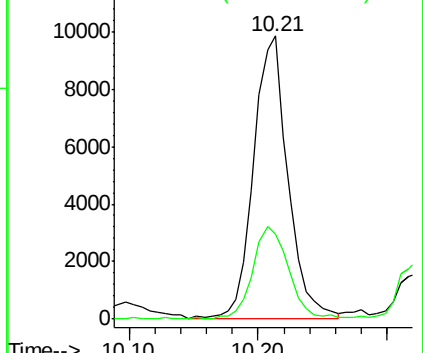
43 100

58 34.3 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 25.994 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012638.D

Acq: 05 Sep 2019 14:11

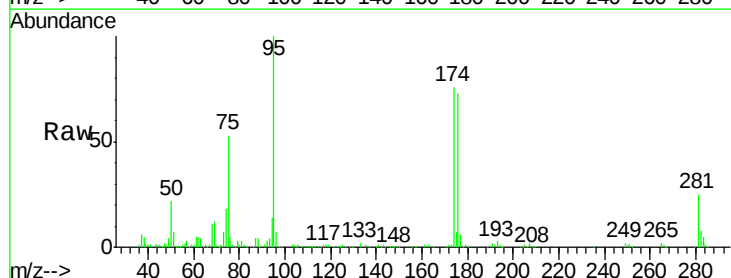
Tgt Ion: 95 Resp: 68530

Ion Ratio Lower Upper

95 100

174 79.7 0.0 150.8

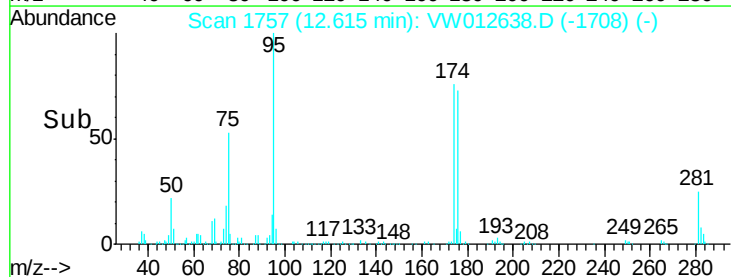
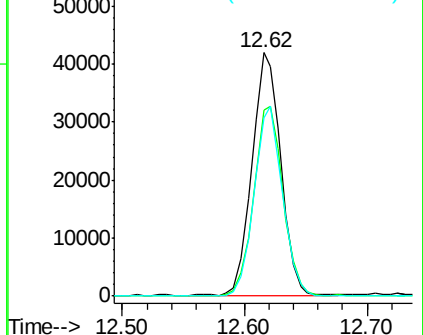
176 77.1 0.0 148.6

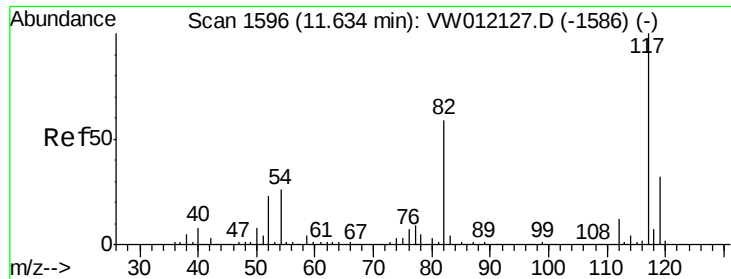


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

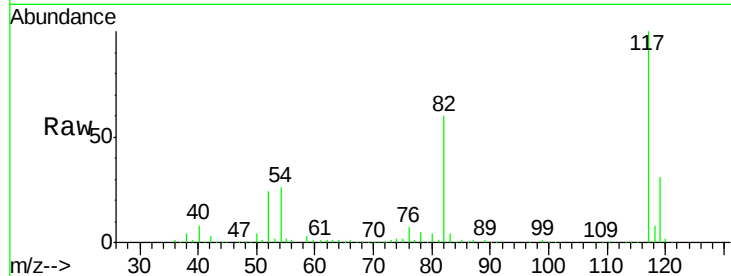




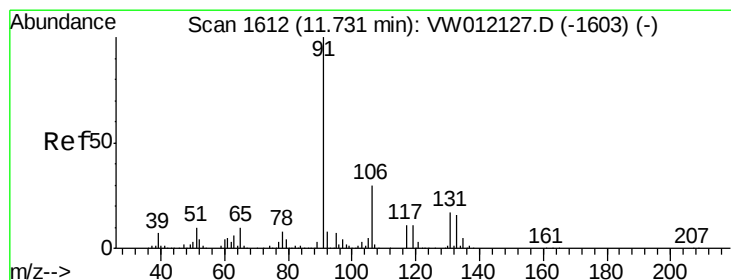
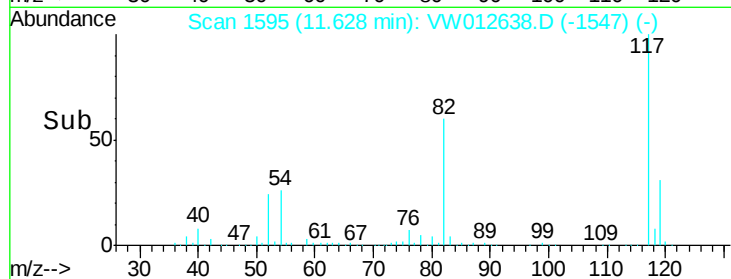
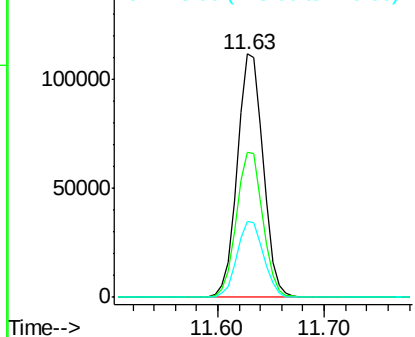
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012638.D  
Acq: 05 Sep 2019 14:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
DW-01

Tot Ion:117 Resp: 191513  
Ion Ratio Lower Upper  
117 100  
82 59.8 47.4 71.2  
119 31.4 25.4 38.2

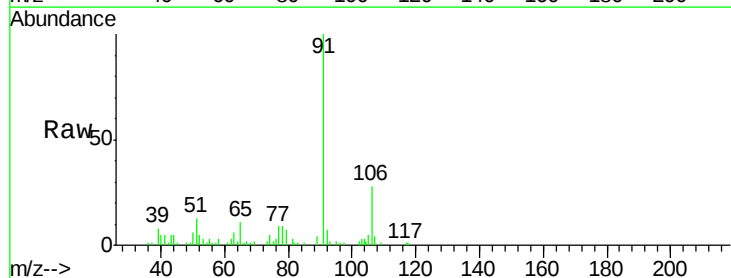


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V

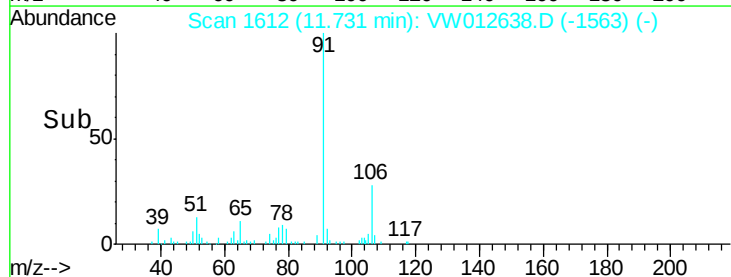
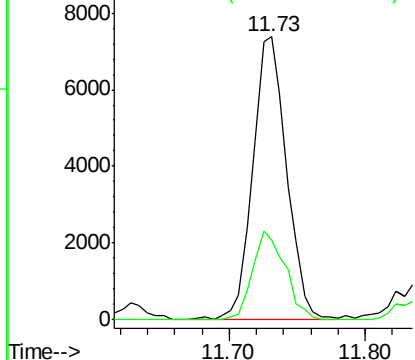


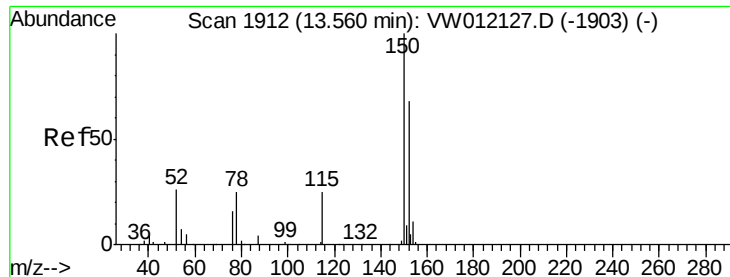
#67  
Ethyl Benzene  
Concen: 1.777 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012638.D  
Acq: 05 Sep 2019 14:11

Tgt Ion: 91 Resp: 12907  
Ion Ratio Lower Upper  
91 100  
106 28.3 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 106.00 (105.70 to 106.70): V



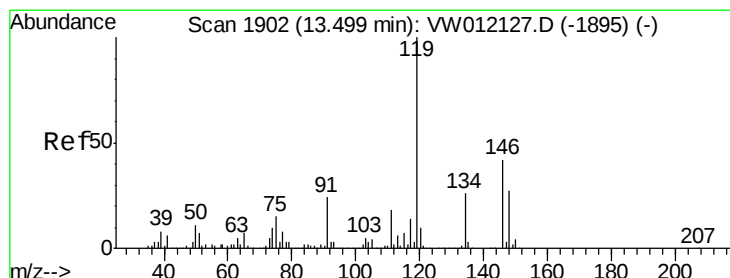
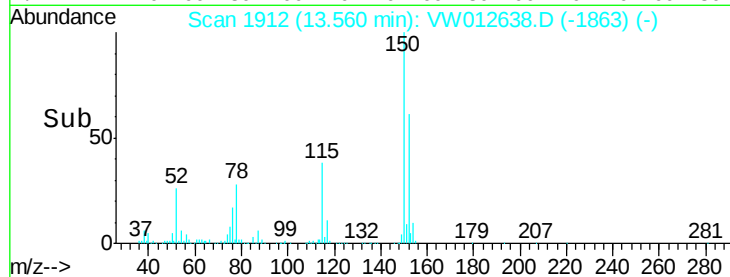
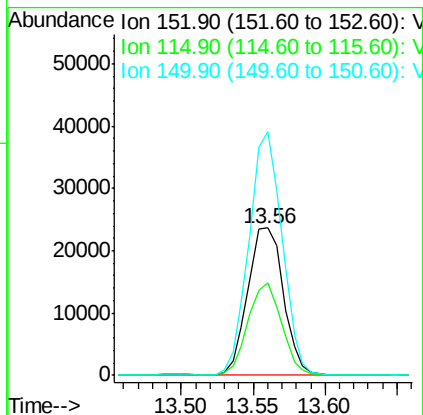
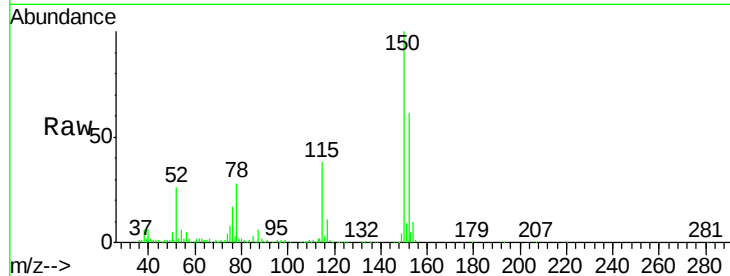


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW012638.D  
Acq: 05 Sep 2019 14:11

Instrument :  
MSVOA\_W  
ClientSampled :  
DW-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.9  | 30.1  | 90.3  |
| 150     | 152.9 | 0.0   | 345.8 |



#86

p-Isopropyltoluene  
Concen: 1.366 ug/l  
RT: 13.50 min Scan# 1902  
Delta R.T. -0.00 min  
Lab File: VW012638.D  
Acq: 05 Sep 2019 14:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 31.4  | 12.8  | 38.3  |
| 91      | 25.5  | 12.3  | 36.9  |

