

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
 Data File : VW013775.D  
 Acq On : 28 Oct 2019 18:59  
 Operator : SY/VA  
 Sample : K5542-16  
 Misc : 4.30G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 202-38-(1.5)

Quant Time: Oct 29 10:48:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 14:11:46 2019  
 Response via : Initial Calibration

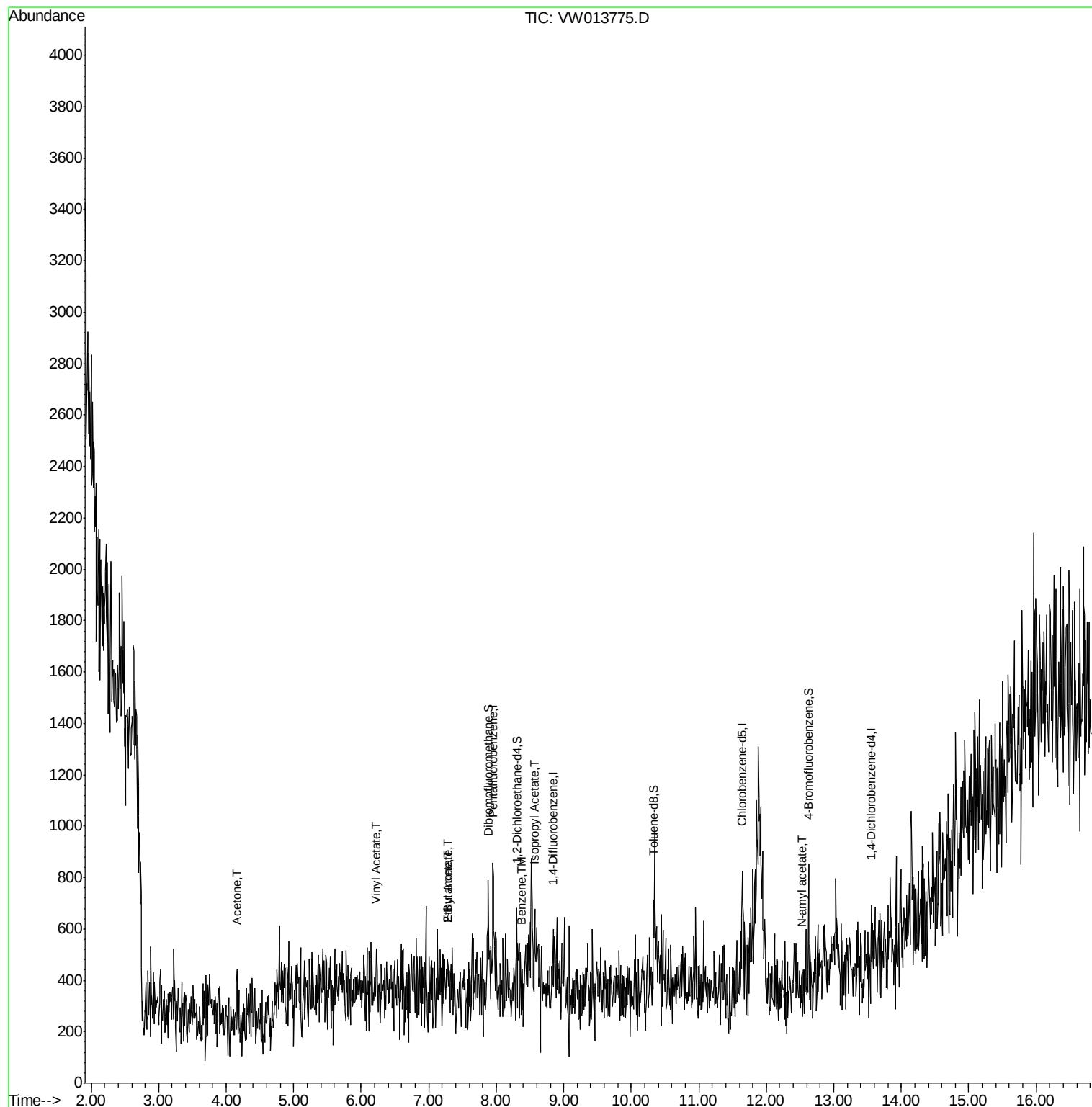
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 514      | 50.00   | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 170      | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 449      | 50.00   | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 27       | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 79       | 20.49   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 40.98%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 318      | 336.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 673.30% |          |
| 50) Toluene-d8              | 10.33 | 98   | 210      | 54.56   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 109.12% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 123      | 94.38   | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 188.76% |          |
| Target Compounds            |       |      |          |         |         |          |
|                             |       |      |          |         | Qvalue  |          |
| 16) Acetone                 | 4.15  | 43   | 67       | 81.951  | ug/l #  | 45       |
| 23) Vinyl Acetate           | 6.22  | 43   | 26       | 3.466   | ug/l #  | 70       |
| 25) 2-Butanone              | 7.29  | 43   | 19       | 16.165  | ug/l #  | 45       |
| 37) Ethyl Acetate           | 7.29  | 43   | 19       | 31.350  | ug/l #  | 67       |
| 40) Benzene                 | 8.38  | 78   | 61       | 13.614  | ug/l #  | 51       |
| 43) Isopropyl Acetate       | 8.58  | 43   | 22       | 18.964  | ug/l #  | 49       |
| 74) N-ethyl acetate         | 12.53 | 43   | 42       | 111.977 | ug/l #  | 41       |

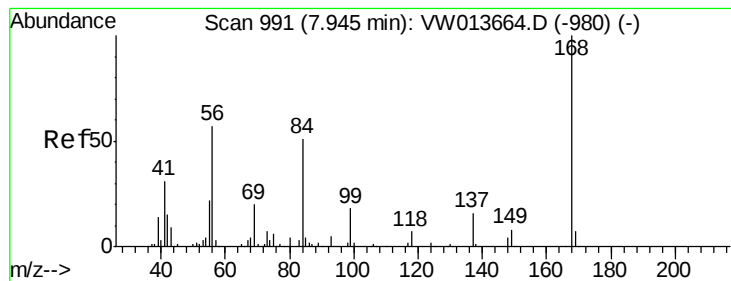
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 23 14:11:46 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

Instrument :

MSVOA\_W

ClientSampleId :

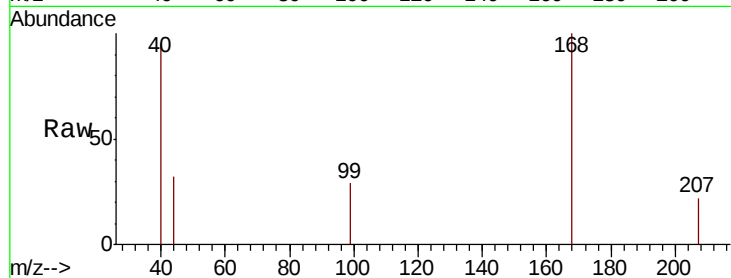
202-38-(1.5)

Tot Ion:168 Resp: 514

Ion Ratio Lower Upper

168 100

99 28.5 39.0 58.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

300

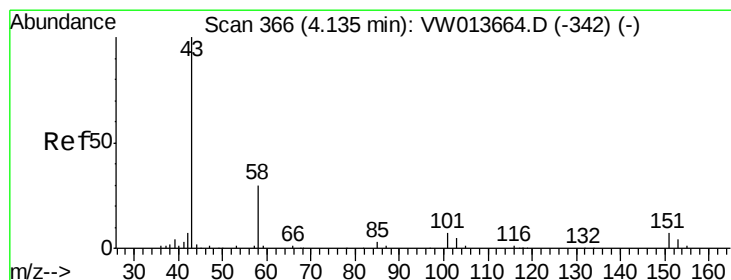
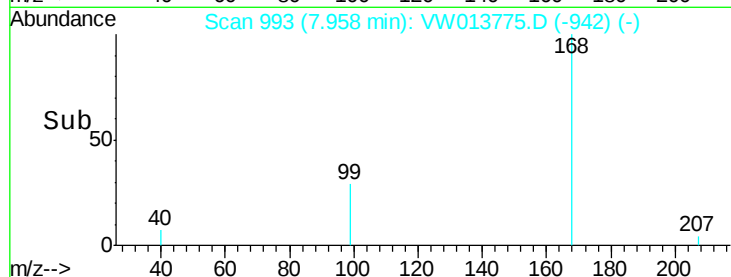
200

100

0

7.90 7.95 8.00

Time-->



#16

Acetone

Concen: 81.951 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW013775.D

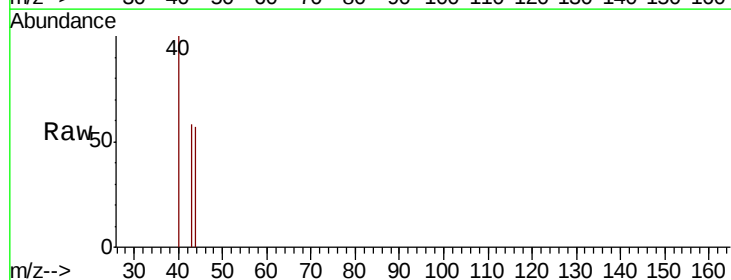
Acq: 28 Oct 2019 18:59

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

120

100

80

60

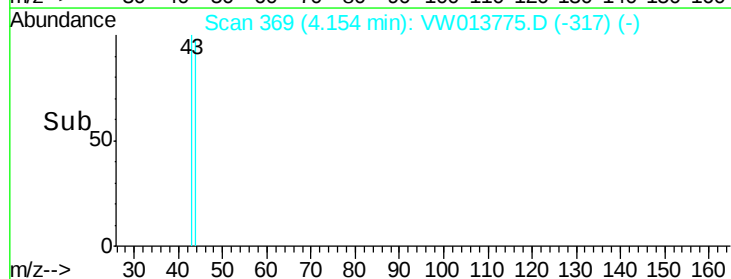
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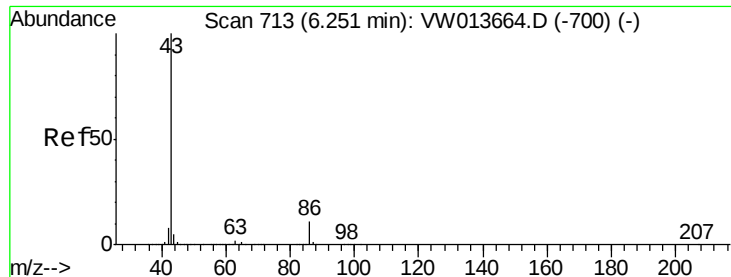
20

0

4.14 4.16

Time-->





#23

Vinyl Acetate

Concen: 3.466 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.03 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

Instrument :

MSVOA\_W

ClientSampleId :

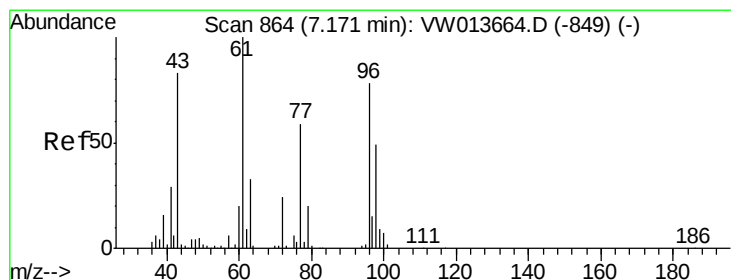
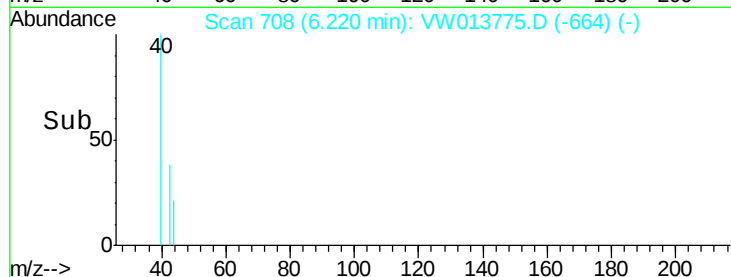
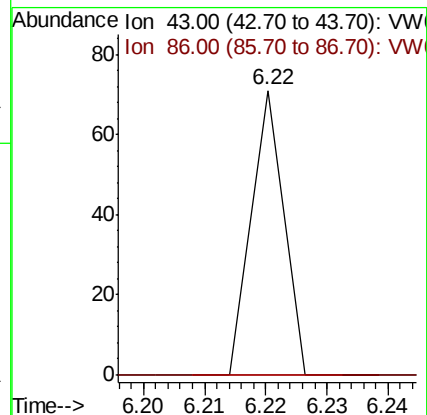
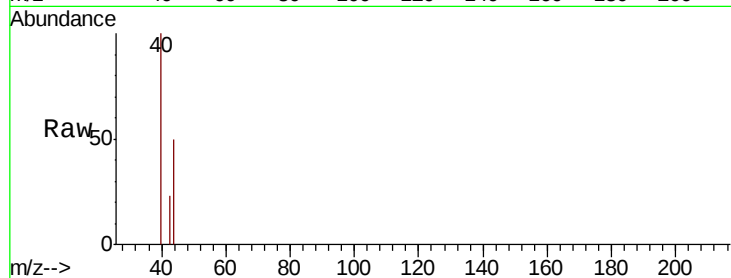
202-38-(1.5)

Tot Ion: 43 Resp: 26

Ion Ratio Lower Upper

43 100

86 0.0 9.0 13.6#



#25

2-Butanone

Concen: 16.165 ug/l

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: VW013775.D

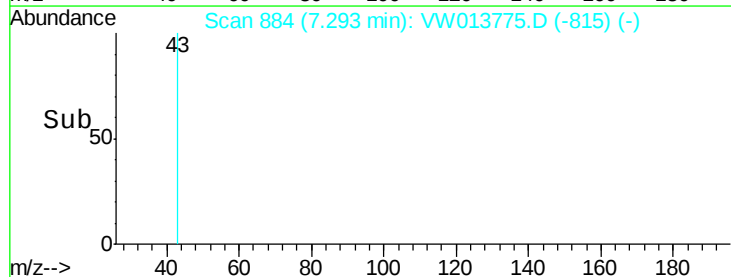
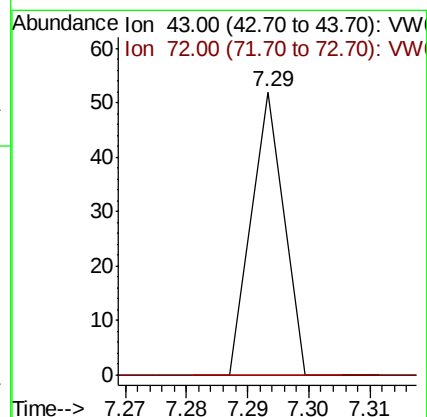
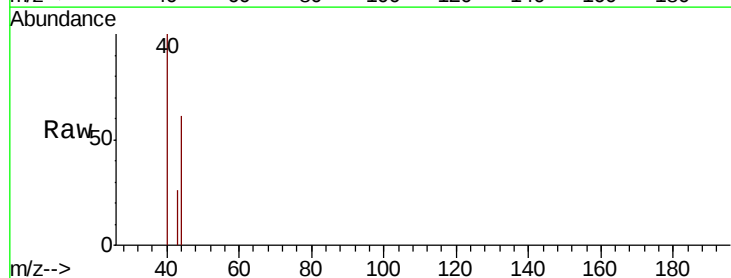
Acq: 28 Oct 2019 18:59

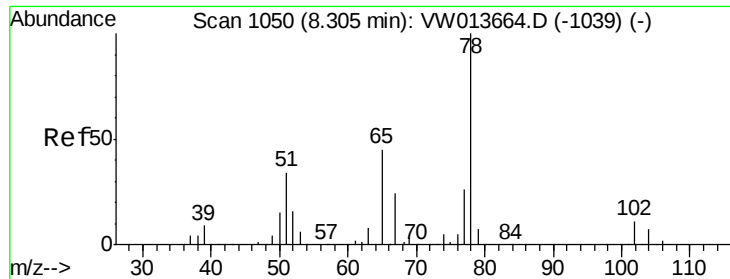
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

72 0.0 23.6 35.4#

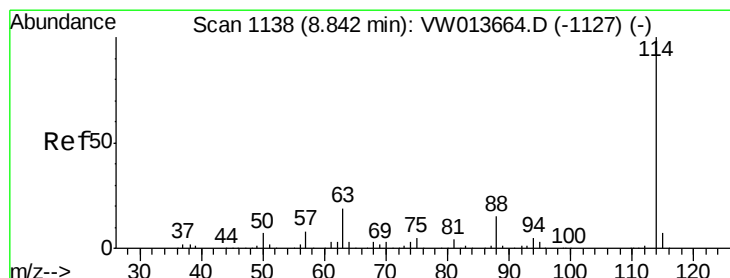
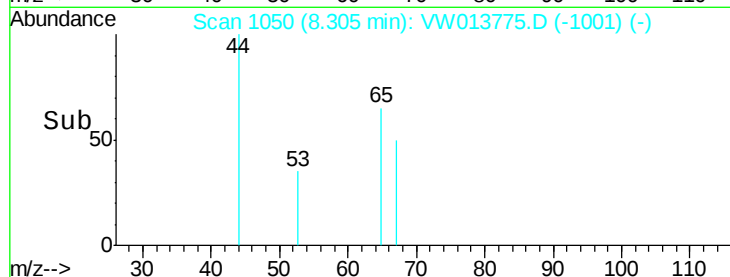
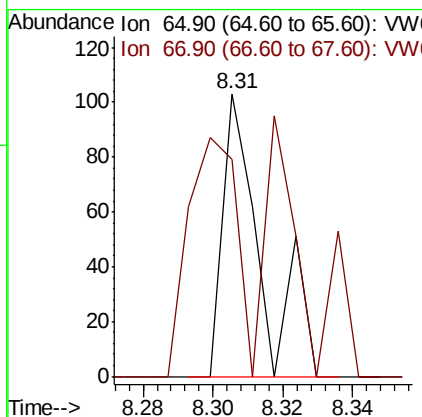
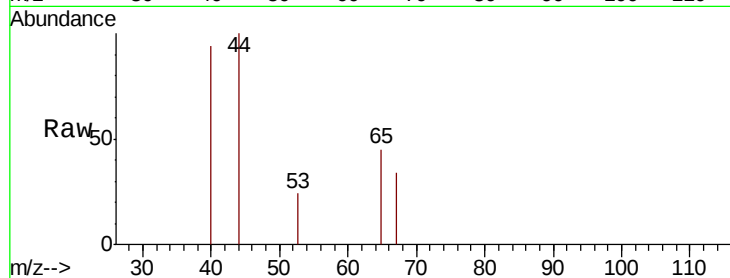




#33  
 1,2-Dichloroethane-d4  
 Concen: 20.488 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW013775.D  
 Acq: 28 Oct 2019 18:59

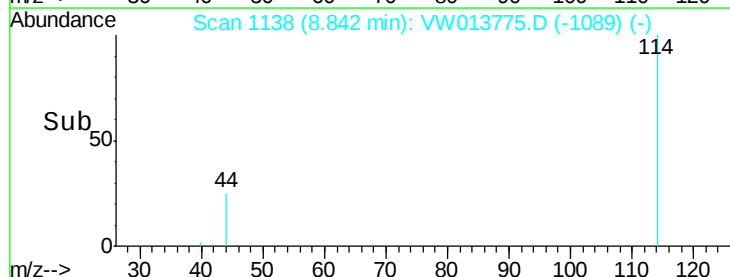
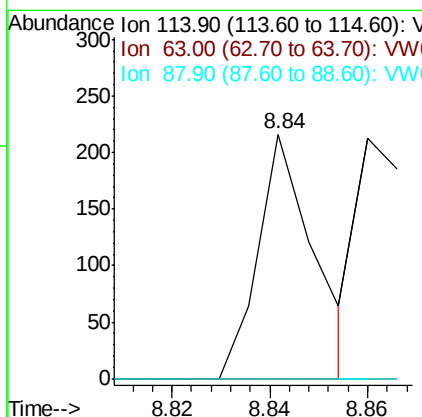
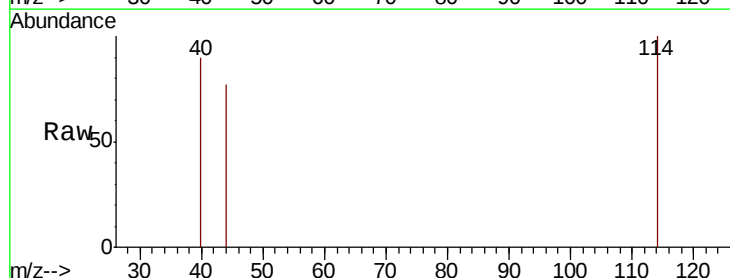
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 202-38-(1.5)

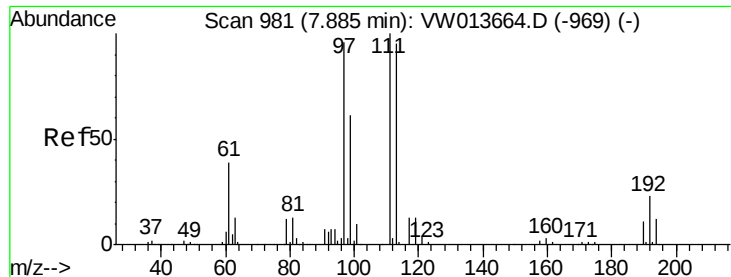
Tot Ion: 65 Resp: 79  
 Ion Ratio Lower Upper  
 65 100  
 67 105.1 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW013775.D  
 Acq: 28 Oct 2019 18:59

Tgt Ion: 114 Resp: 170  
 Ion Ratio Lower Upper  
 114 100  
 63 0.0 0.0 37.6  
 88 0.0 0.0 30.2

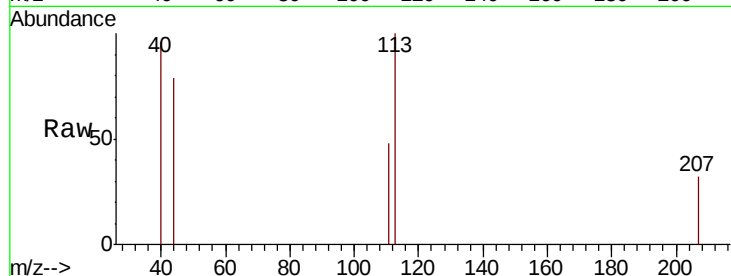




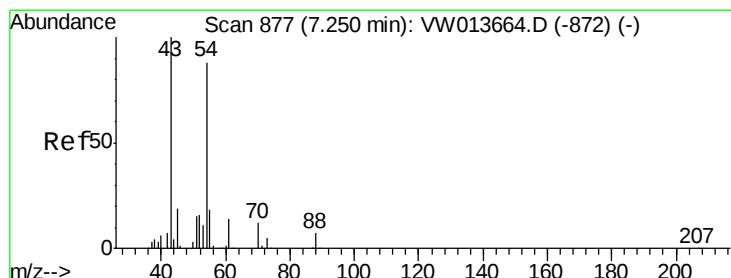
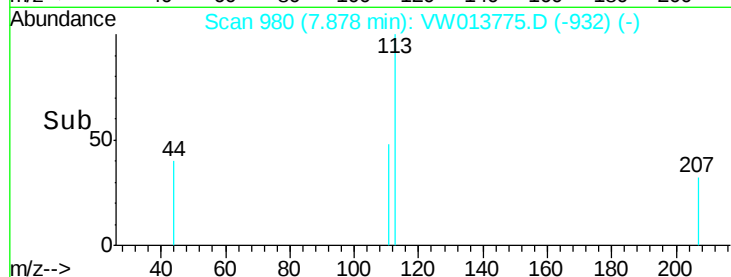
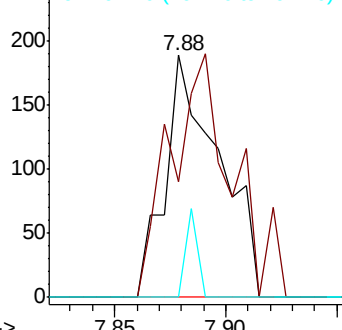
#35  
Dibromofluoromethane  
Concen: 336.646 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW013775.D  
Acq: 28 Oct 2019 18:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
202-38-(1.5)

Tot Ion:113 Resp: 318  
Ion Ratio Lower Upper  
113 100  
111 114.8 83.0 124.6  
192 7.9 19.4 29.2#

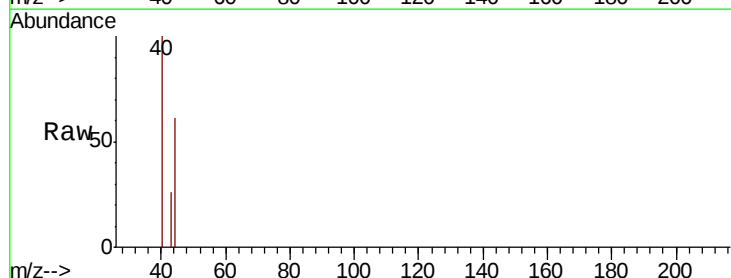


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

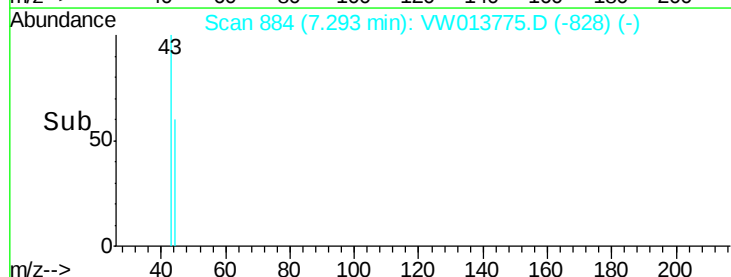
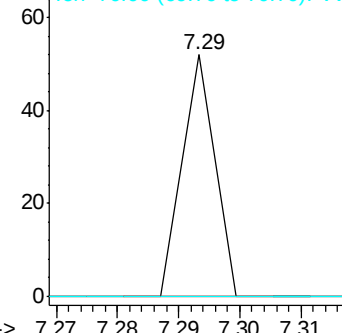


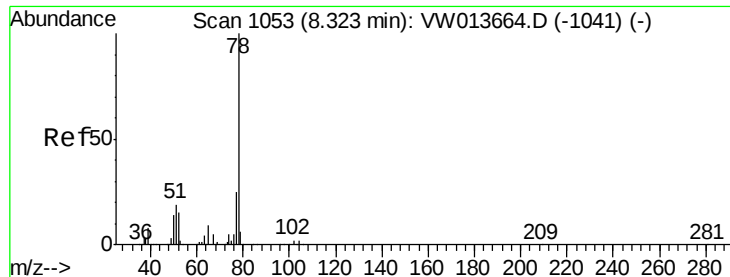
#37  
Ethyl Acetate  
Concen: 31.350 ug/l  
RT: 7.29 min Scan# 884  
Delta R.T. 0.04 min  
Lab File: VW013775.D  
Acq: 28 Oct 2019 18:59

Tgt Ion: 43 Resp: 19  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.7 17.5#  
70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 70.00 (69.70 to 70.70): VW





#40

Benzene

Concen: 13.614 ug/l

RT: 8.38 min Scan# 1063

Delta R.T. 0.06 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

Instrument :

MSVOA\_W

ClientSampleId :

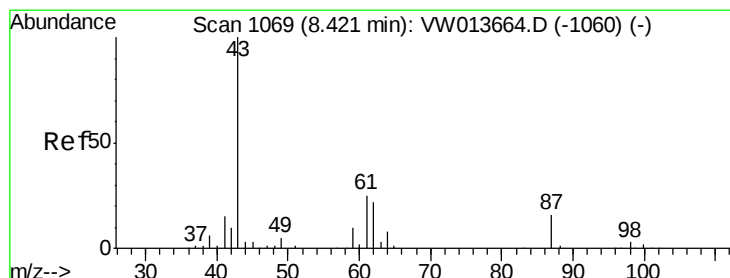
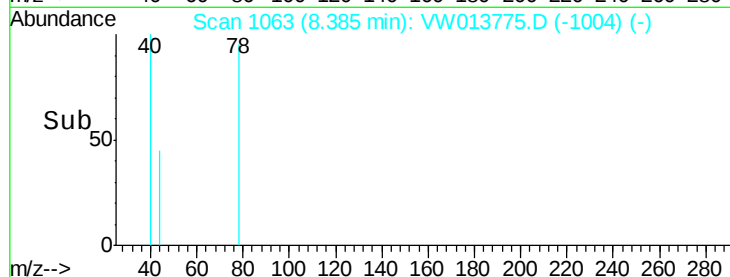
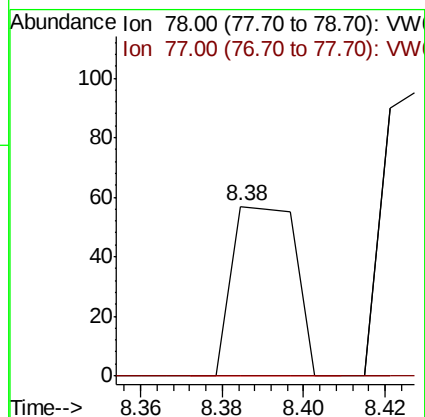
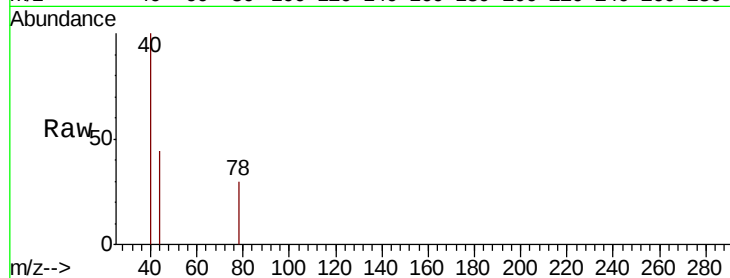
202-38-(1.5)

Tot Ion: 78 Resp: 61

Ion Ratio Lower Upper

78 100

77 0.0 19.6 29.4#



#43

Isopropyl Acetate

Concen: 18.964 ug/l

RT: 8.58 min Scan# 1095

Delta R.T. 0.16 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

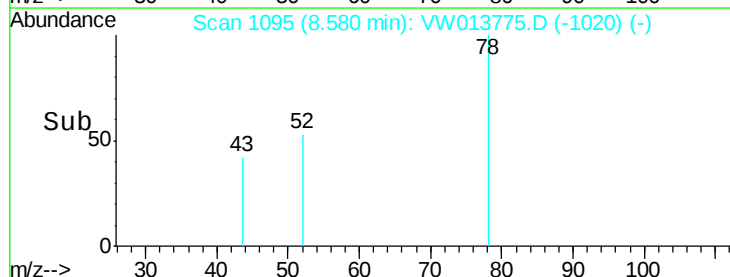
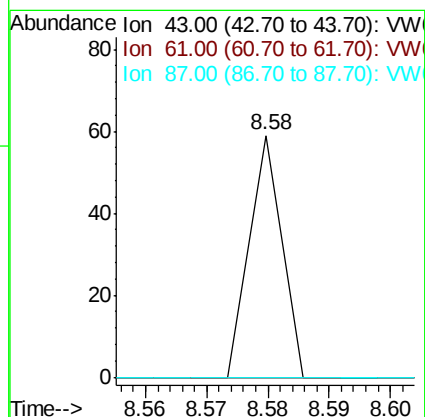
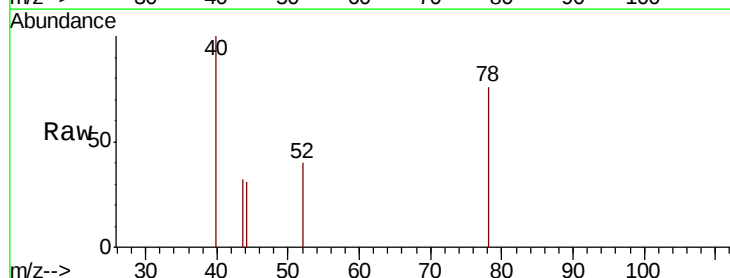
Tgt Ion: 43 Resp: 22

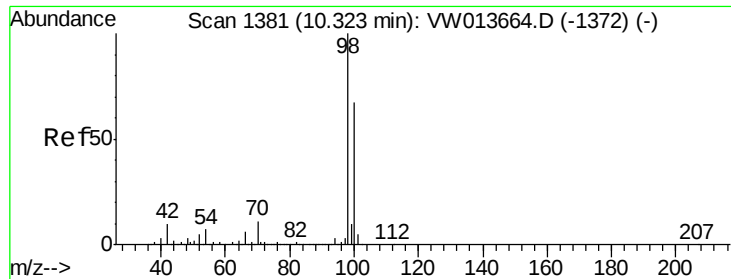
Ion Ratio Lower Upper

43 100

61 0.0 26.1 39.1#

87 0.0 11.4 17.0#





#50

Toluene-d8

Concen: 54.559 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

Instrument :

MSVOA\_W

ClientSampleId :

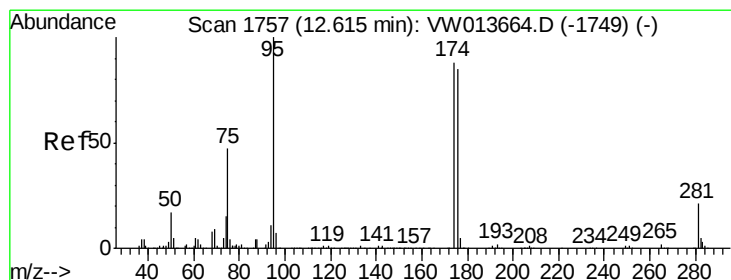
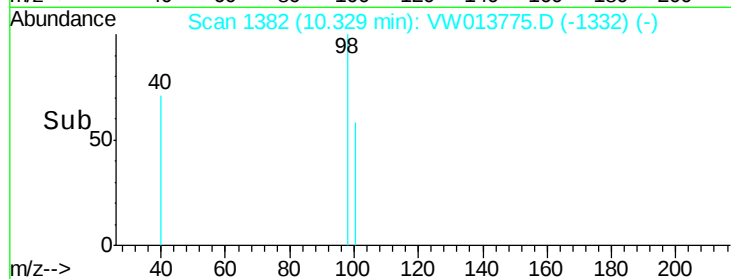
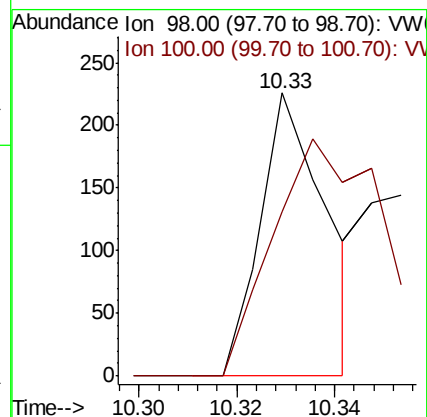
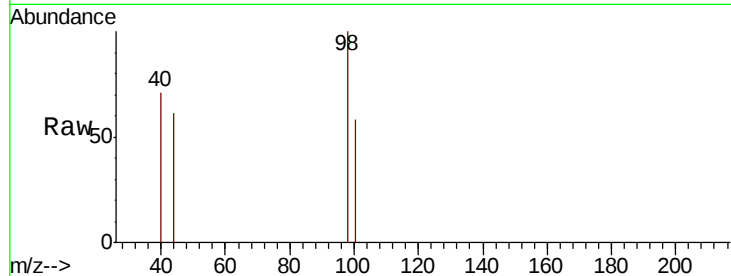
202-38-(1.5)

Tot Ion: 98 Resp: 210

Ion Ratio Lower Upper

98 100

100 205.2 53.4 80.0#



#62

4-Bromofluorobenzene

Concen: 94.375 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW013775.D

Acq: 28 Oct 2019 18:59

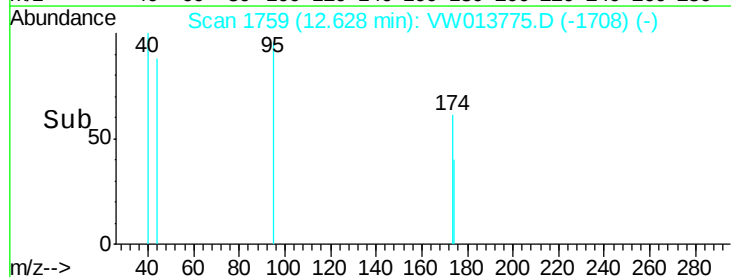
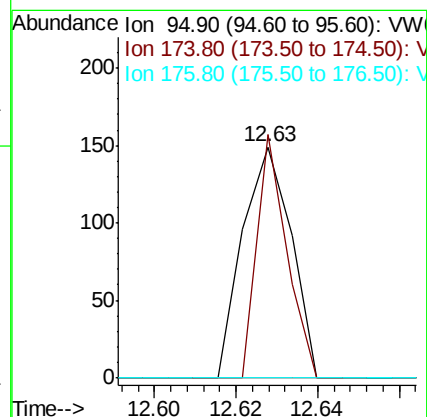
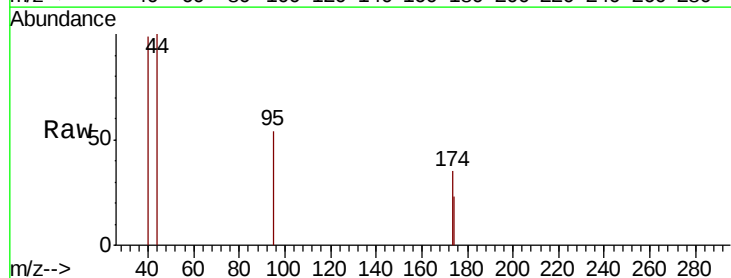
Tgt Ion: 95 Resp: 123

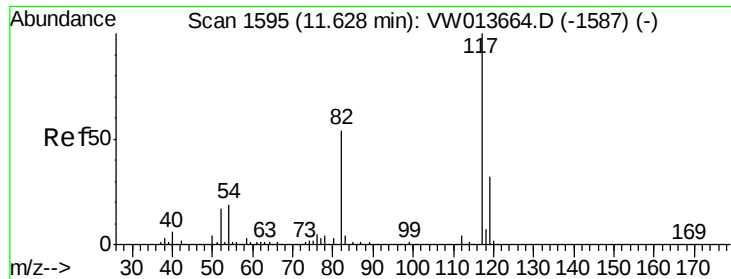
Ion Ratio Lower Upper

95 100

174 64.2 0.0 183.6

176 0.0 0.0 178.0

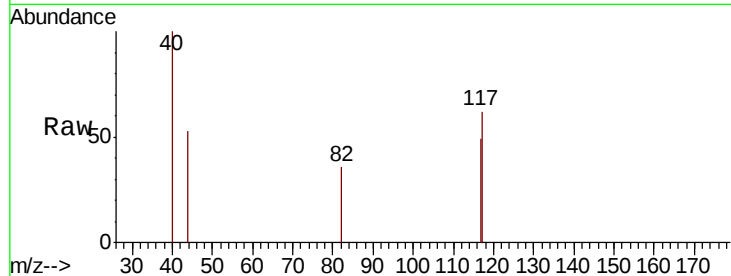




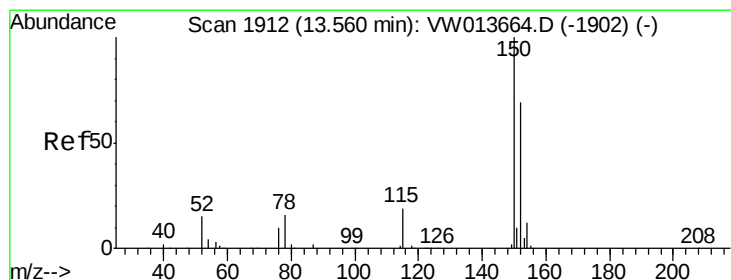
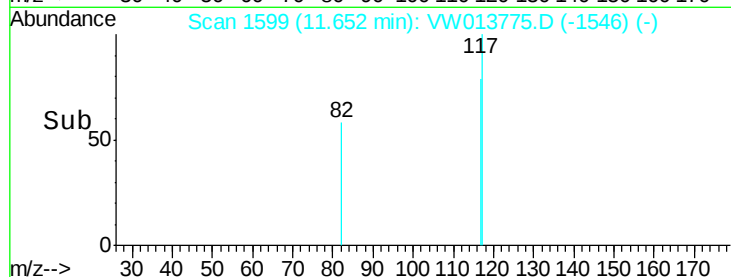
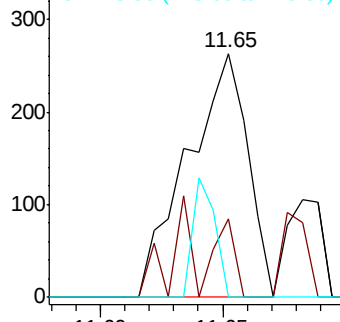
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1599  
Delta R.T. 0.02 min  
Lab File: VW013775.D  
Acq: 28 Oct 2019 18:59

Instrument :  
MSVOA\_W  
ClientSampled :  
202-38-(1.5)

Tot Ion:117 Resp: 449  
Ion Ratio Lower Upper  
117 100  
82 32.3 43.6 65.4#  
119 0.0 25.4 38.2#

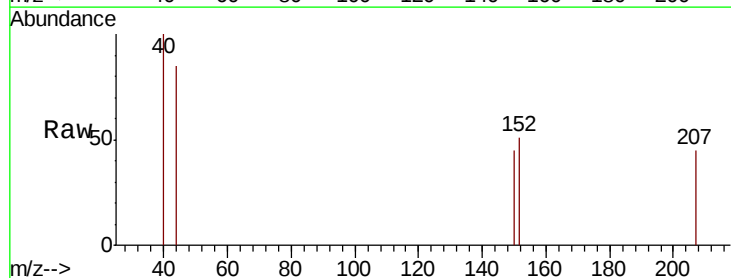


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

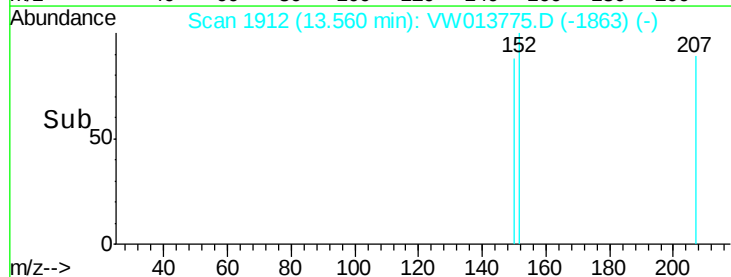
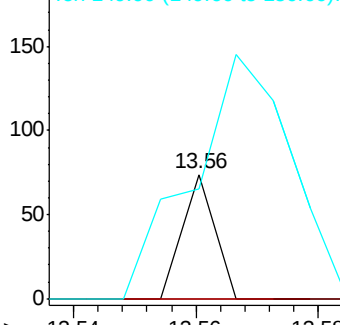


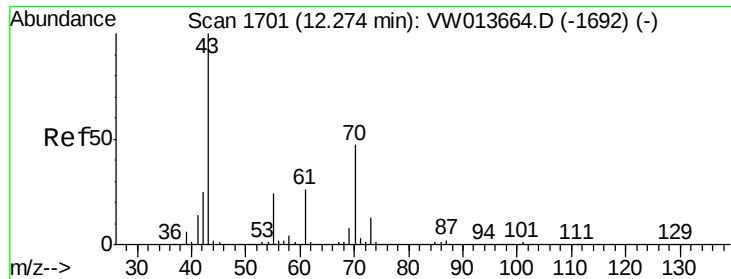
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW013775.D  
Acq: 28 Oct 2019 18:59

Tgt Ion:152 Resp: 27  
Ion Ratio Lower Upper  
152 100  
115 0.0 27.4 82.2#  
150 596.3 0.0 345.4#



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#74  
 N-amvl acetate  
 Concen: 111.977 ug/l  
 RT: 12.53 min Scan# 1743  
 Delta R.T. 0.26 min  
 Lab File: VW013775.D  
 Acq: 28 Oct 2019 18:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 202-38-(1.5)

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 42    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 36.6  | 55.0# |
| 55       | 0.0   | 20.3  | 30.5# |
| 61       | 0.0   | 20.4  | 30.6# |

