

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020619\  
 Data File : VW008520.D  
 Acq On : 06 Feb 2019 11:53  
 Operator : SY/VA  
 Sample : VW0206SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

Quant Time: Feb 07 02:03:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 575631   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 873932   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 779459   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 404944   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 294915   | 52.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 283621   | 55.50 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1075808  | 52.50 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 392793   | 49.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.74%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85   | 43801    | 15.563 | ug/l   | 91     |
| 3) Chloromethane              | 2.21 | 50   | 81995    | 17.450 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.37 | 62   | 109231   | 18.262 | ug/l   | 100    |
| 5) Bromomethane               | 2.77 | 94   | 91239    | 23.649 | ug/l   | 97     |
| 6) Chloroethane               | 2.93 | 64   | 87257    | 23.853 | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 89167    | 20.244 | ug/l   | 97     |
| 8) Diethyl Ether              | 3.68 | 74   | 56841    | 19.801 | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 101115   | 19.422 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.26 | 142  | 162472   | 19.757 | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.20 | 59   | 40756    | 89.516 | ug/l # | 70     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 98659    | 18.725 | ug/l   | 93     |
| 13) Acrolein                  | 3.89 | 56   | 38624    | 98.727 | ug/l   | 93     |
| 14) Allyl chloride            | 4.66 | 41   | 174448   | 17.436 | ug/l   | 96     |
| 15) Acrylonitrile             | 5.37 | 53   | 118283   | 95.422 | ug/l   | 99     |
| 16) Acetone                   | 4.13 | 43   | 115863   | 91.236 | ug/l   | 94     |
| 17) Carbon Disulfide          | 4.37 | 76   | 295600   | 17.566 | ug/l   | 97     |
| 18) Methyl Acetate            | 4.67 | 43   | 61872    | 18.267 | ug/l   | 93     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 174264   | 19.990 | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84   | 119388   | 20.397 | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 111961   | 18.901 | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.31 | 45   | 341499   | 18.010 | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.25 | 43   | 1028164  | 91.828 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 198054   | 18.452 | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43   | 170488   | 96.654 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 135258   | 18.643 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 124296   | 19.254 | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 93702    | 19.007 | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.53 | 42   | 109327   | 97.807 | ug/l   | 97     |
| 30) Chloroform                | 7.67 | 83   | 199699   | 18.916 | ug/l   | 96     |
| 31) Cyclohexane               | 7.95 | 56   | 195427   | 17.609 | ug/l # | 94     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 174090   | 19.092 | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 159187   | 19.283 | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.26 | 43   | 74632    | 20.434 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117  | 166755   | 20.074 | ug/l   | 96     |

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 Sample : VW0206SBSD01  
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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

Quant Time: Feb 07 02:03:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 204350   | 18.843  | ug/l   | 96       |
| 40) Benzene                    | 8.32  | 78   | 446125   | 19.475  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 42545    | 19.673  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 133288   | 20.078  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 149982   | 19.766  | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 128698   | 20.660  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 110594   | 19.363  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 59730    | 20.332  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.64  | 83   | 151780   | 19.533  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 70815    | 19.087  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 18507    | 372.700 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 375123   | 100.069 | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 288356   | 19.069  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 160381   | 19.397  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 178538   | 19.028  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 82130    | 20.156  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 105610   | 18.497  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 146920   | 20.126  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 286961   | 103.441 | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.97 | 43   | 267512   | 101.085 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 103238   | 19.715  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 81230    | 20.105  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 108767   | 20.610  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 324155   | 20.372  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 114674   | 20.144  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 567023   | 19.387  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 442040   | 38.953  | ug/l   | 97       |
| 69) o-Xylene                   | 12.16 | 106  | 209449   | 19.425  | ug/l   | 96       |
| 70) Styrene                    | 12.18 | 104  | 339905   | 19.085  | ug/l   | 98       |
| 71) Bromoform                  | 12.35 | 173  | 62233    | 19.429  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 583287   | 19.321  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 146938   | 18.893  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 96298    | 20.148  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 67111m   | 19.062  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 133625   | 20.267  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.80 | 91   | 683652   | 18.854  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 393618   | 19.237  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 470448   | 18.644  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 32835    | 18.420  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 407921   | 18.725  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 423292   | 18.851  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 485762   | 18.940  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 606321   | 18.907  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 546827   | 19.467  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 264774   | 19.885  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 260768   | 19.706  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 515430   | 18.688  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 103995   | 18.931  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 234742   | 19.924  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 18902    | 20.843  | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020619\  
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Operator : SY/VA  
Sample : VW0206SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

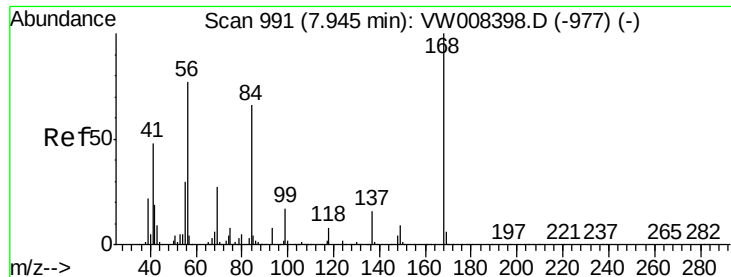
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

Quant Time: Feb 07 02:03:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 178451   | 21.225 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 103316   | 20.390 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 316910   | 21.467 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 152986   | 21.451 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

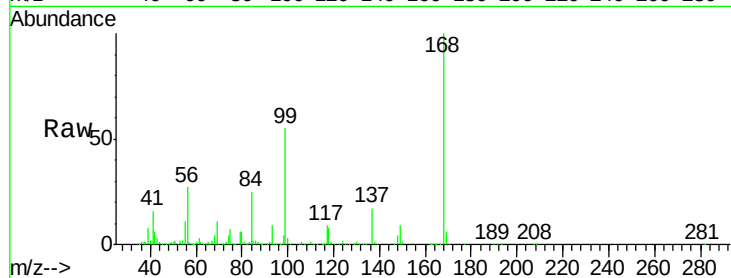
VW0206SBSD01

Tot Ion:168 Resp: 575631

Ion Ratio Lower Upper

168 100

99 55.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

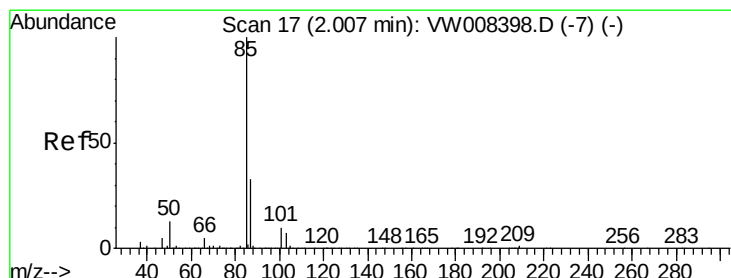
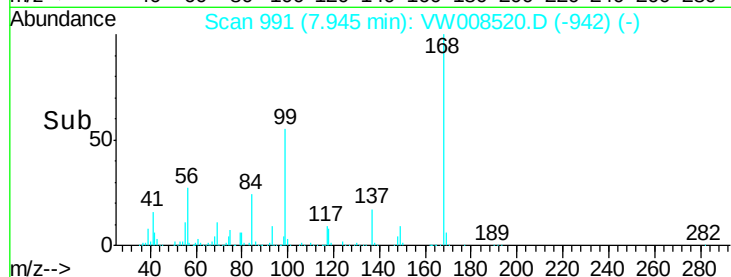
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.563 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008520.D

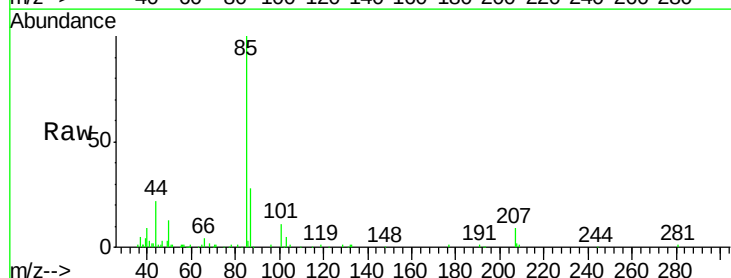
Acq: 06 Feb 2019 11:53

Tgt Ion: 85 Resp: 43801

Ion Ratio Lower Upper

85 100

87 28.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

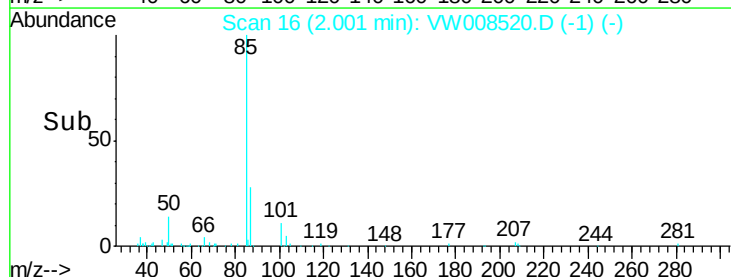
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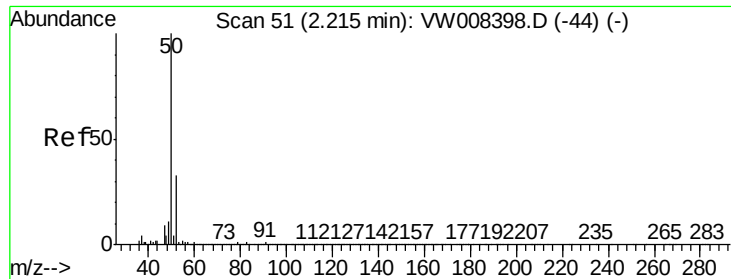
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5000

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Time-->





#3

Chloromethane

Concen: 17.450 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

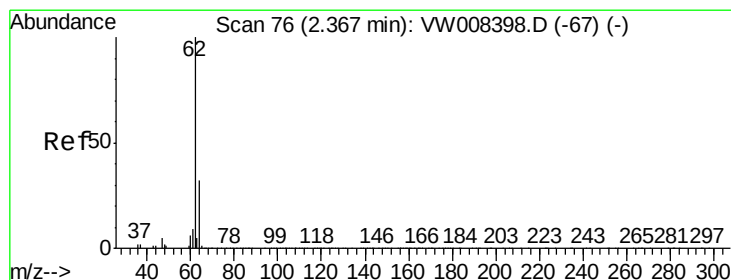
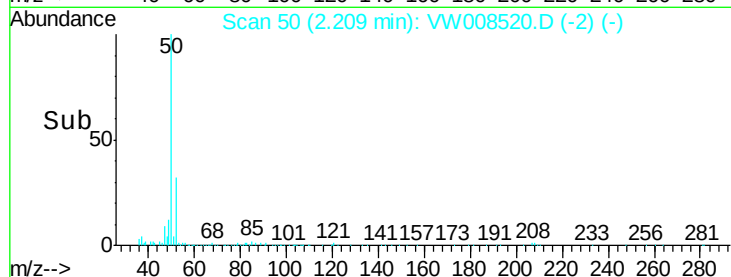
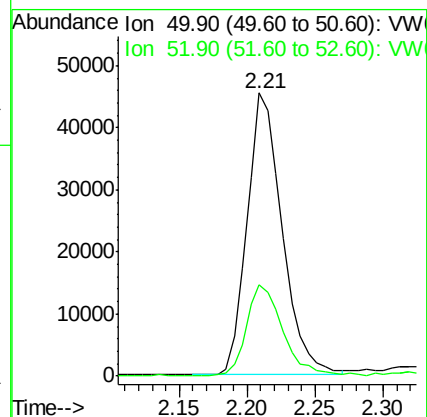
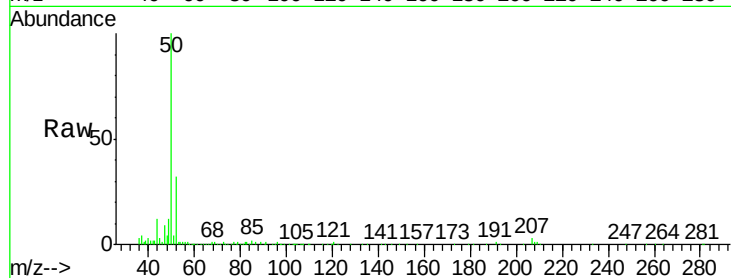
VW0206SBSD01

Tot Ion: 50 Resp: 81995

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 18.262 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008520.D

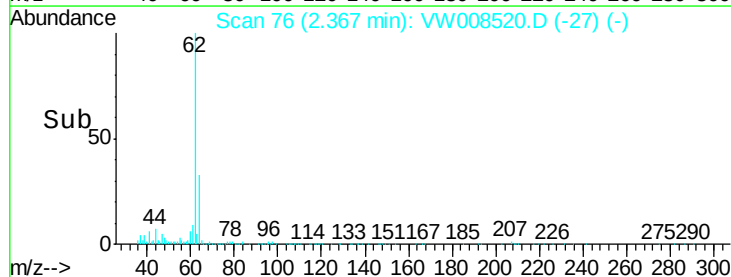
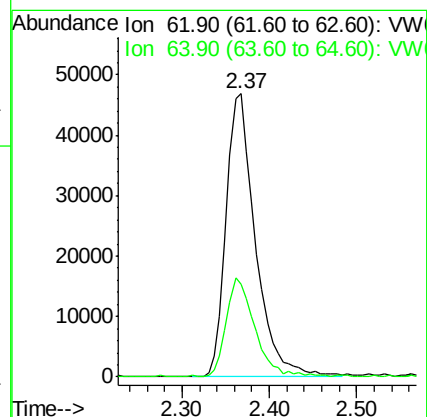
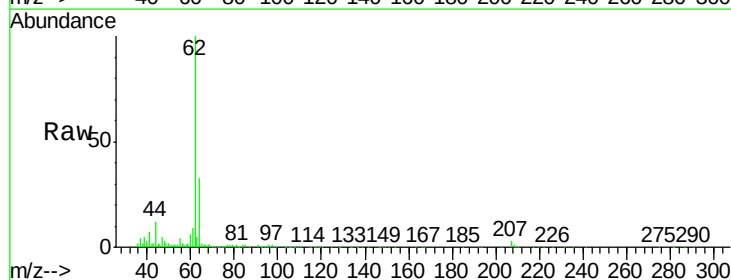
Acq: 06 Feb 2019 11:53

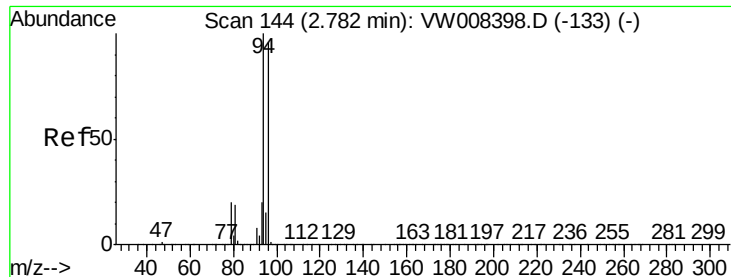
Tgt Ion: 62 Resp: 109231

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 23.649 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

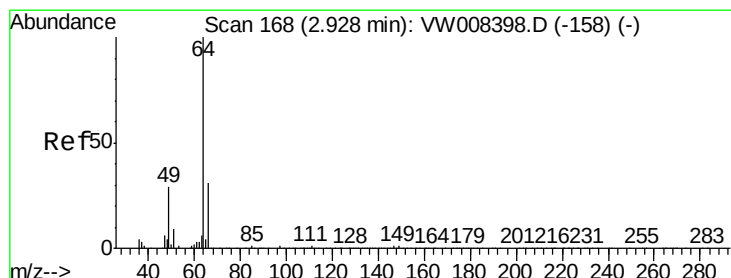
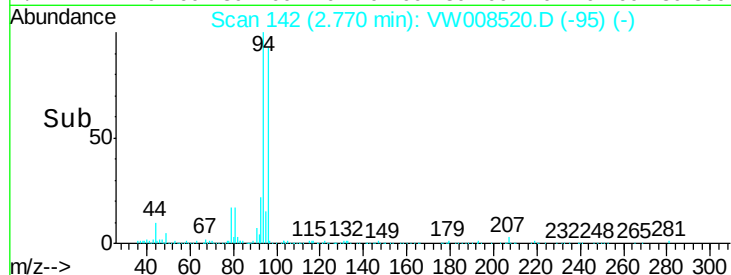
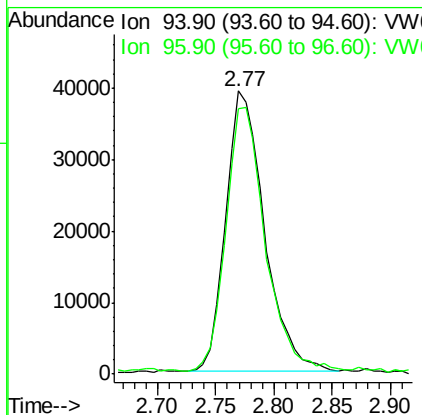
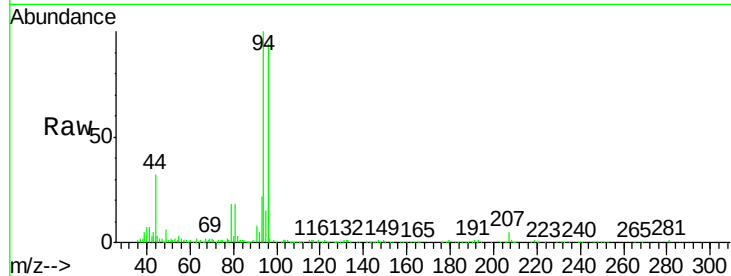
VW0206SBSD01

Tot Ion: 94 Resp: 91239

Ion Ratio Lower Upper

94 100

96 93.6 77.2 115.8



#6

Chloroethane

Concen: 23.853 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008520.D

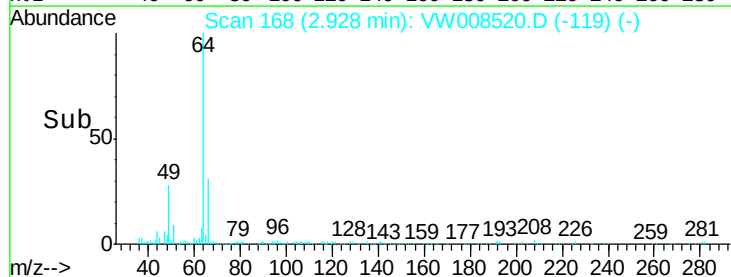
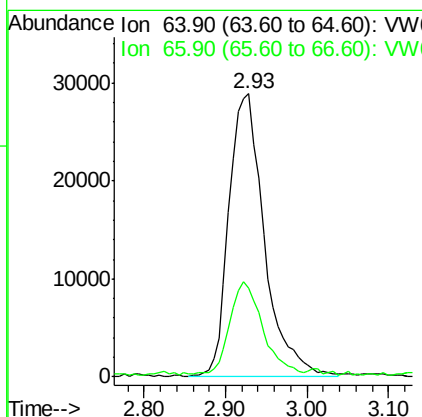
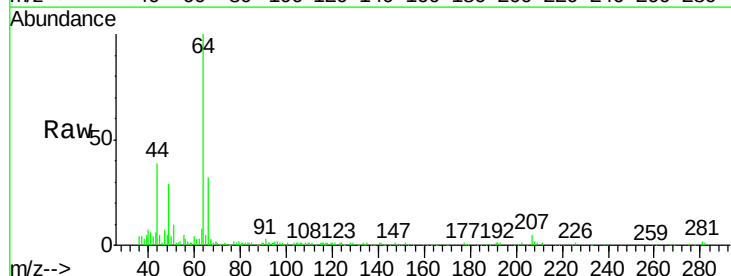
Acq: 06 Feb 2019 11:53

Tgt Ion: 64 Resp: 87257

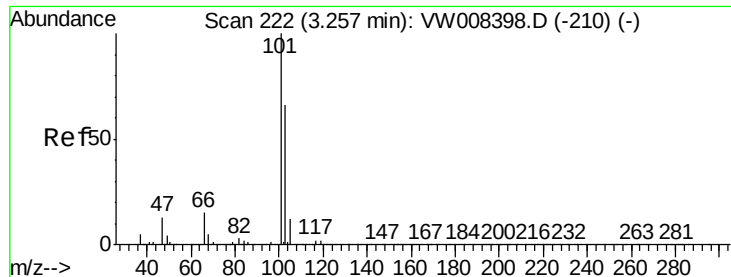
Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





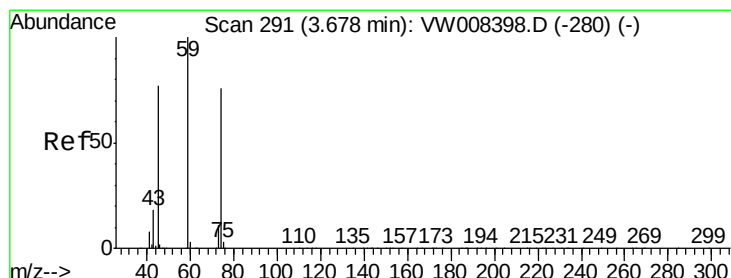
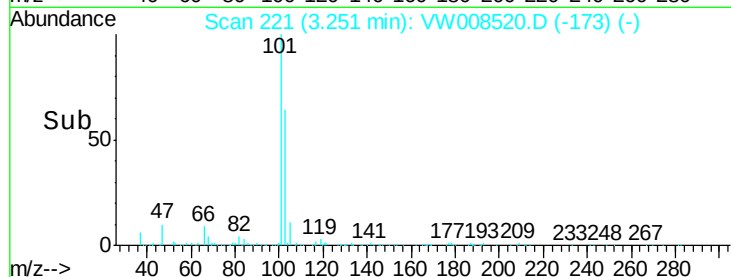
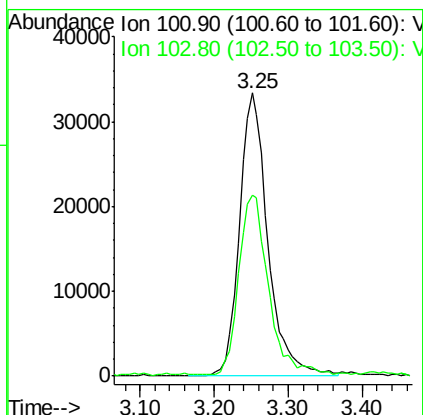
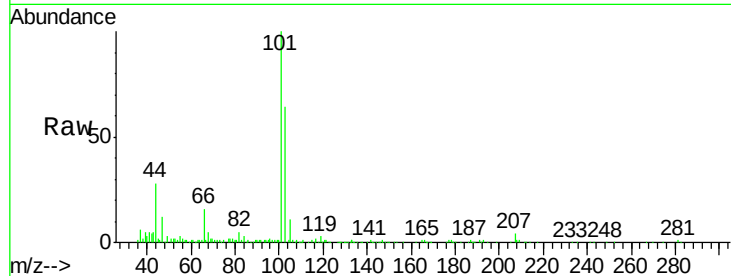


#7

Trichlorofluoromethane  
Concen: 20.244 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

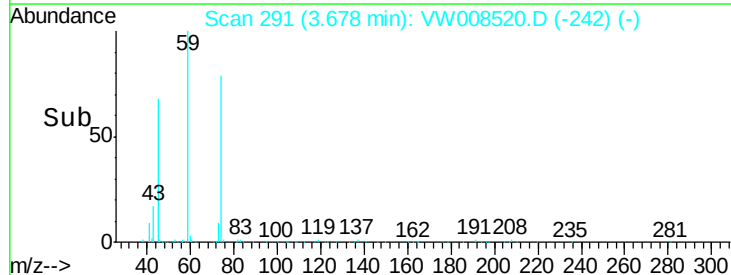
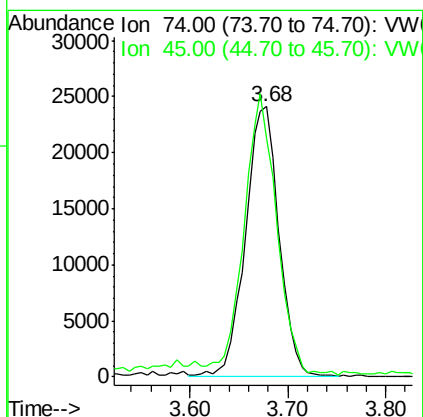
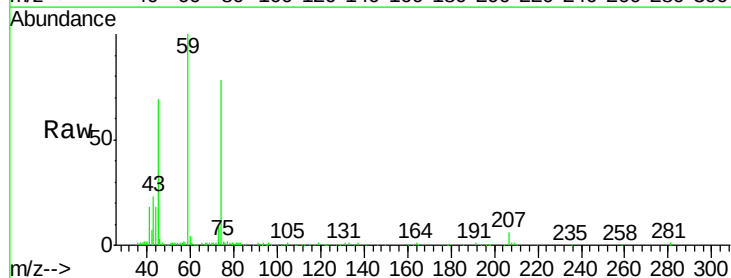
Tot Ion:101 Resp: 89167  
Ion Ratio Lower Upper  
101 100  
103 63.2 52.5 78.7



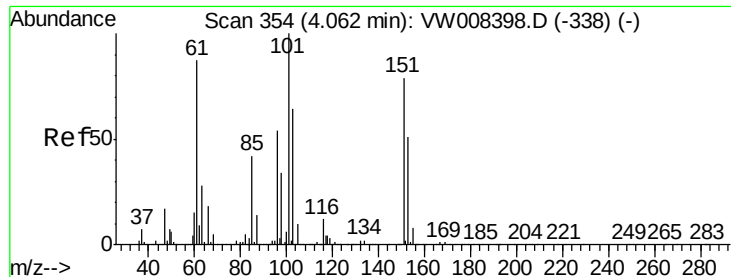
#8

Diethyl Ether  
Concen: 19.801 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 74 Resp: 56841  
Ion Ratio Lower Upper  
74 100  
45 103.4 51.7 155.2







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.422 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

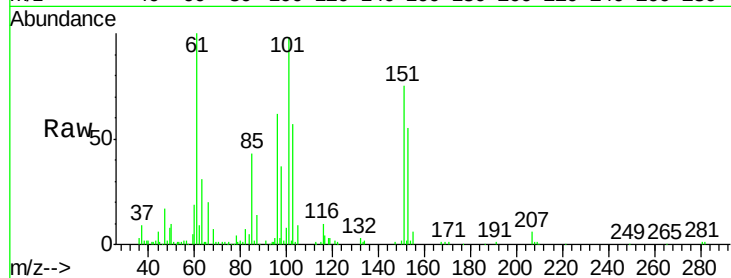
Tot Ion:101 Resp: 101115

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.4

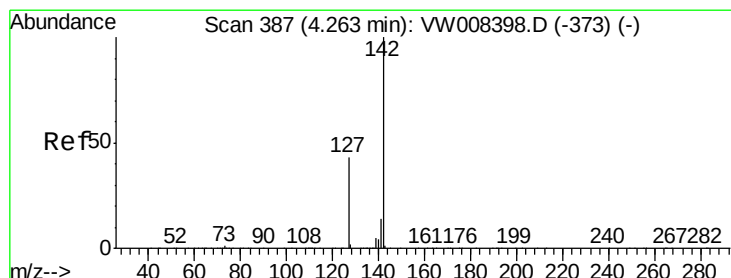
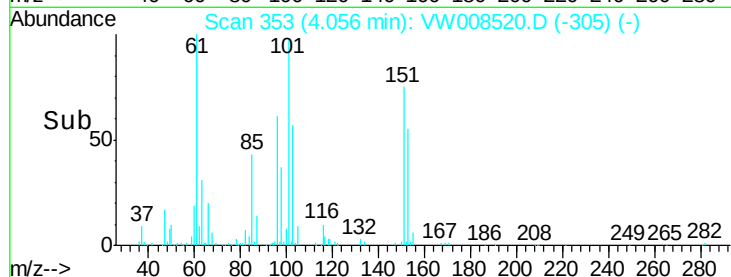
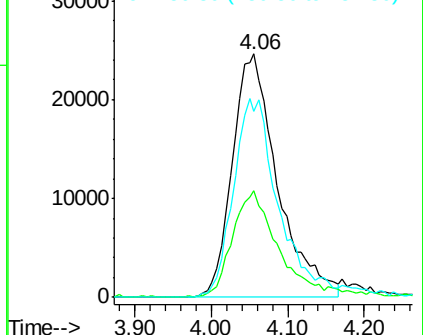
151 81.1 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.757 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

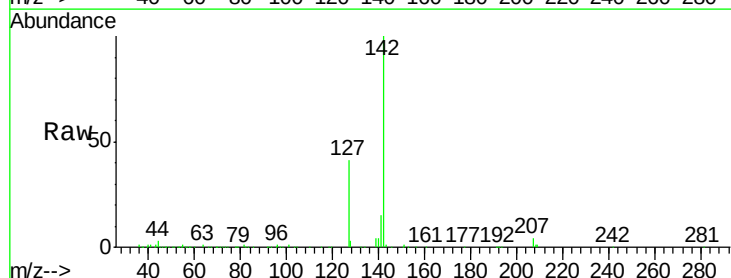
Tgt Ion:142 Resp: 162472

Ion Ratio Lower Upper

142 100

127 42.1 34.6 52.0

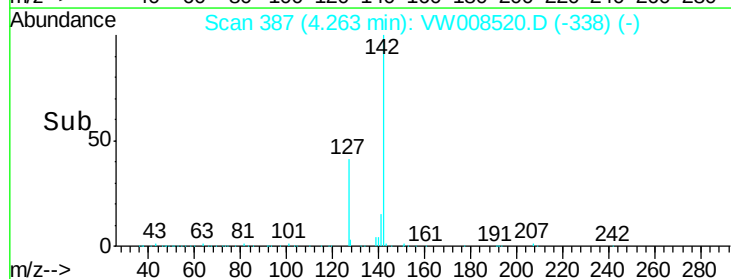
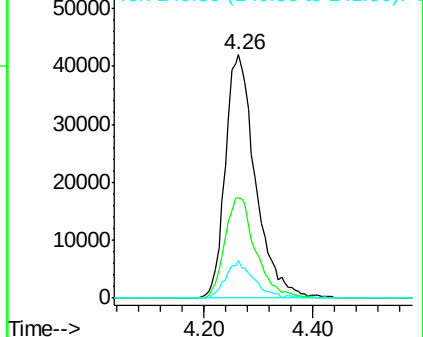
141 13.9 11.4 17.2

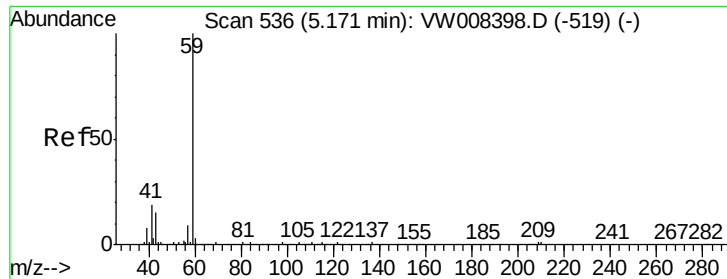


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



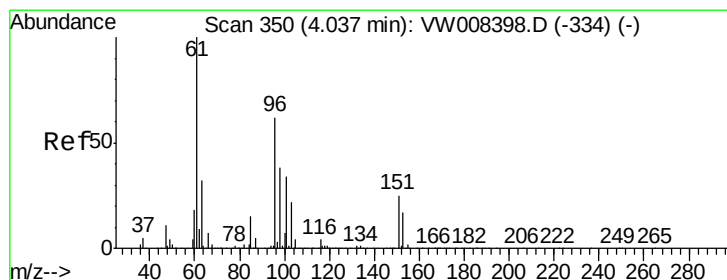
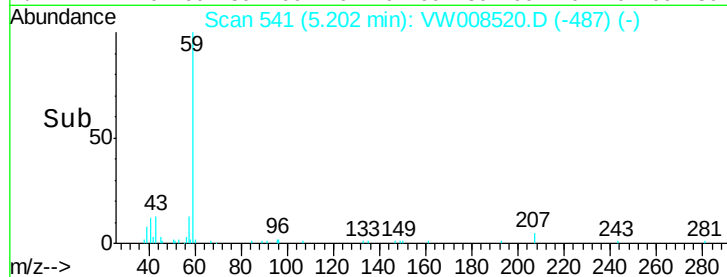
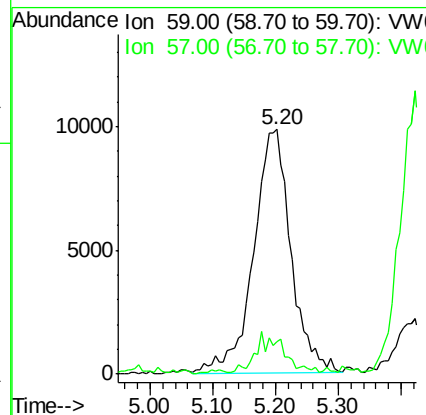
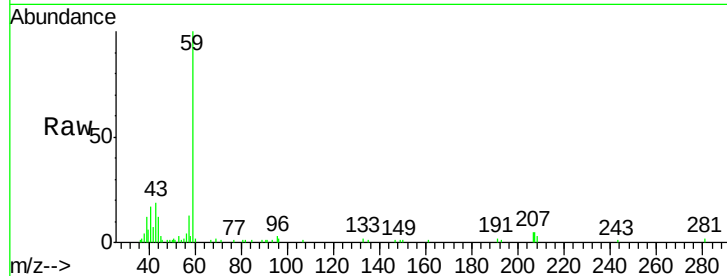


#11

Tert butyl alcohol  
Concen: 89.516 ug/l  
RT: 5.20 min Scan# 541  
Delta R.T. 0.03 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

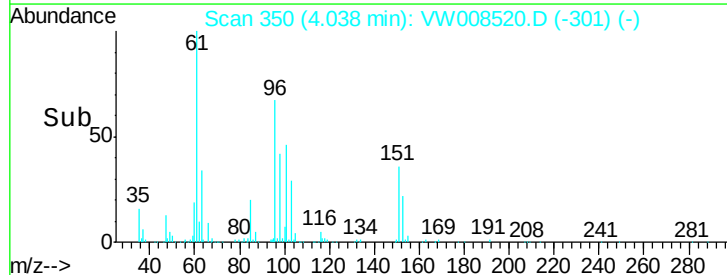
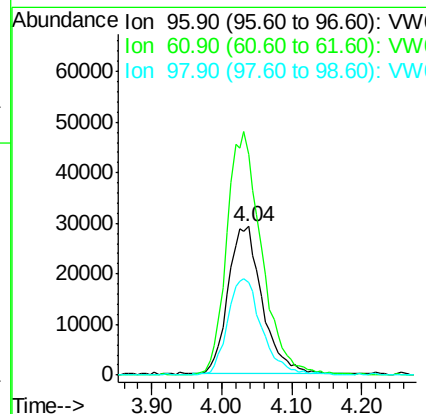
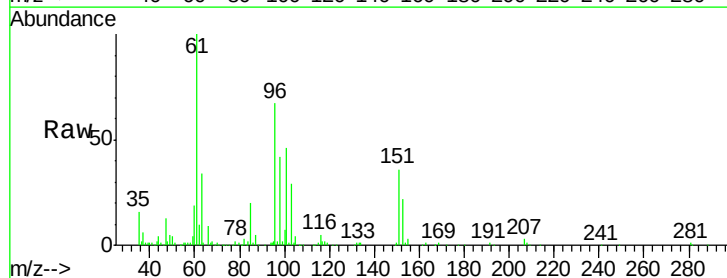
Tot Ion: 59 Resp: 40756  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.3 13.9#

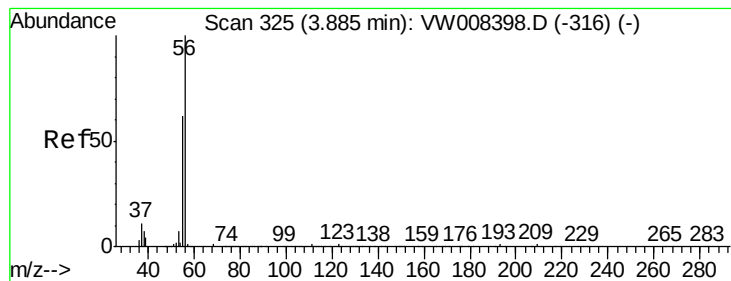


#12

1,1-Dichloroethene  
Concen: 18.725 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 96 Resp: 98659  
Ion Ratio Lower Upper  
96 100  
61 149.4 129.5 194.3  
98 62.3 48.6 73.0





#13

Acrolein

Concen: 98.727 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

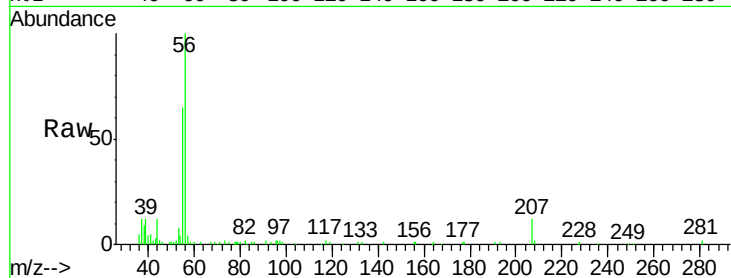
VW0206SBSD01

Tot Ion: 56 Resp: 38624

Ion Ratio Lower Upper

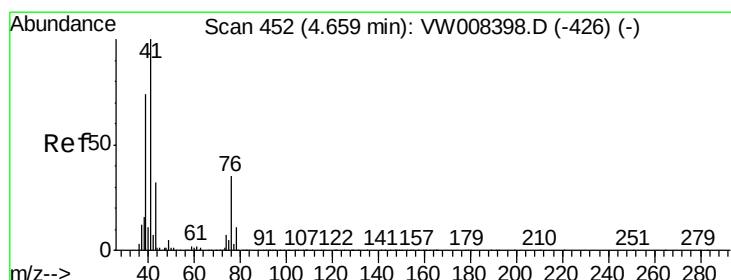
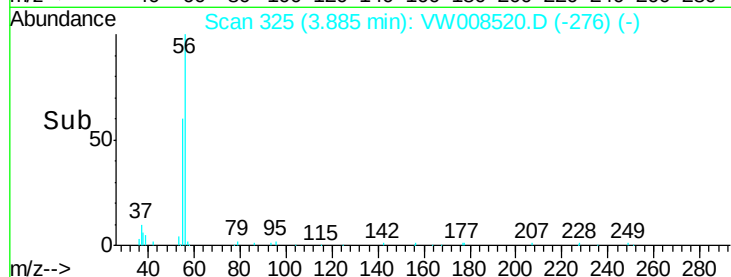
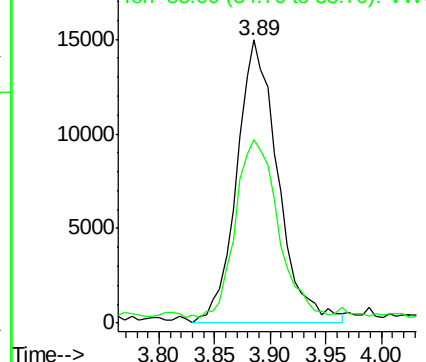
56 100

55 64.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 17.436 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

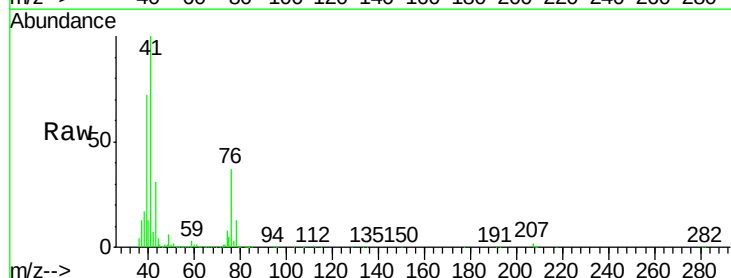
Tgt Ion: 41 Resp: 174448

Ion Ratio Lower Upper

41 100

39 74.5 57.7 86.5

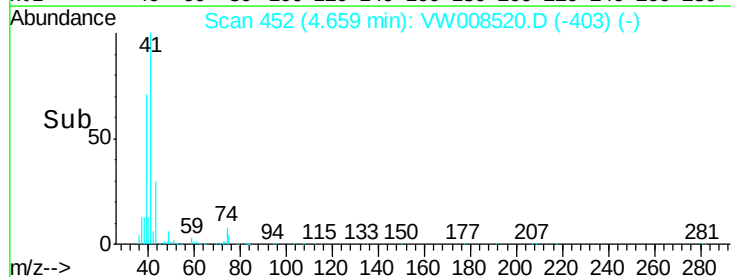
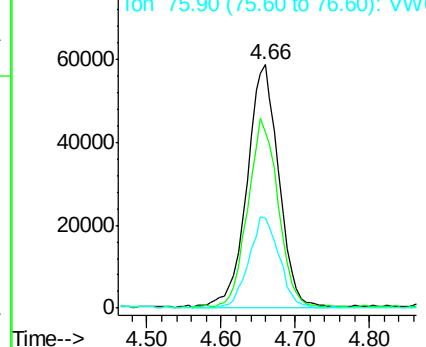
76 36.4 26.9 40.3

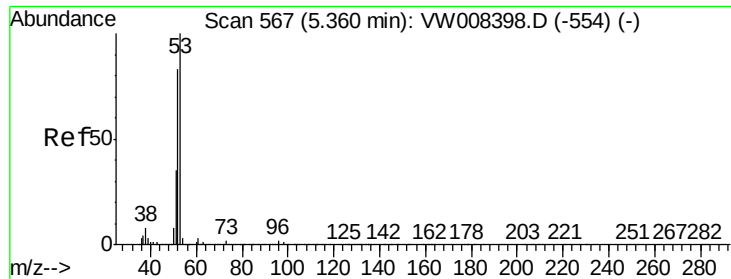


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 95.422 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

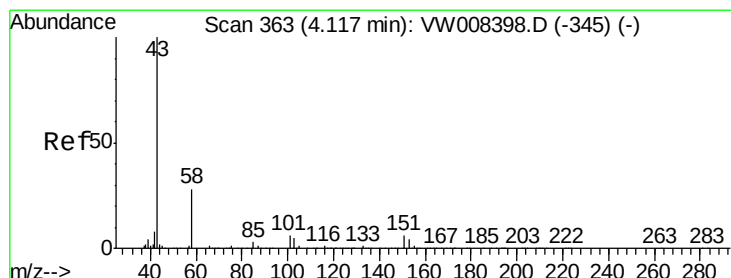
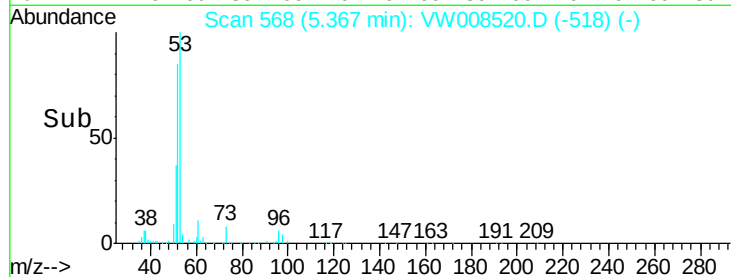
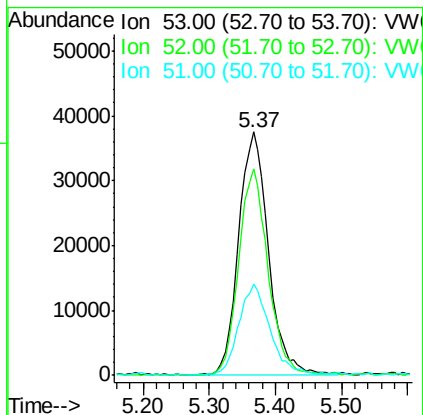
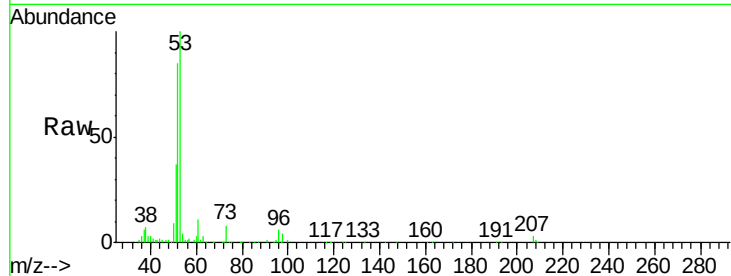
MSVOA\_W

ClientSampleId :

VW0206SBS01

Tot Ion: 53 Resp: 118283

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.2  | 67.0  | 100.4 |
| 51  | 38.3  | 29.8  | 44.8  |



#16

Acetone

Concen: 91.236 ug/l

RT: 4.13 min Scan# 365

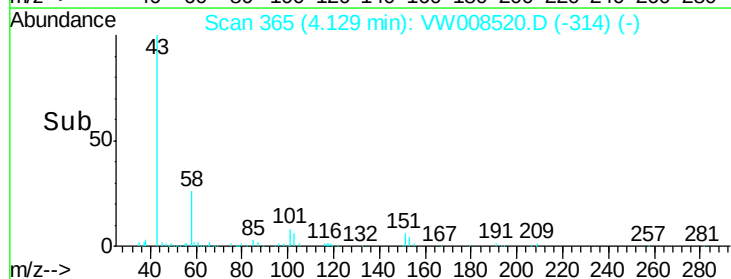
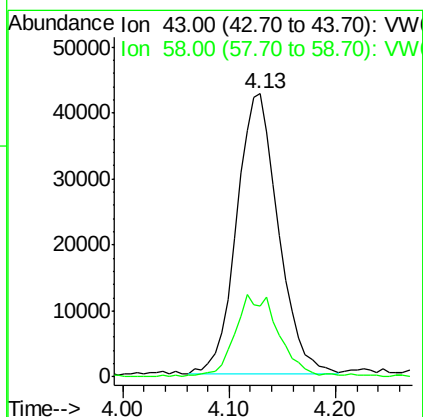
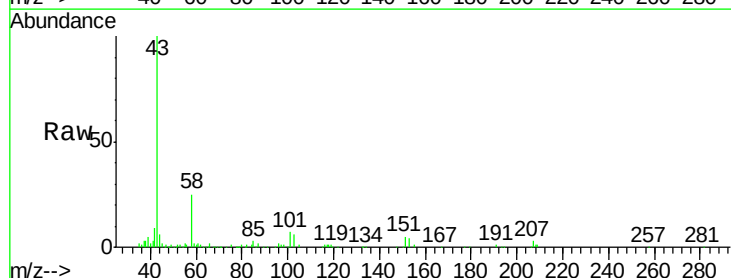
Delta R.T. 0.01 min

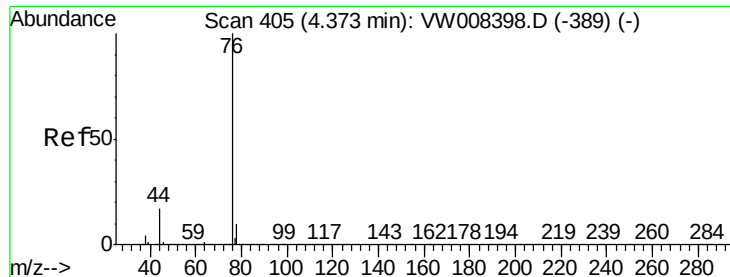
Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Tgt Ion: 43 Resp: 115863

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 25.1  | 22.6  | 34.0  |

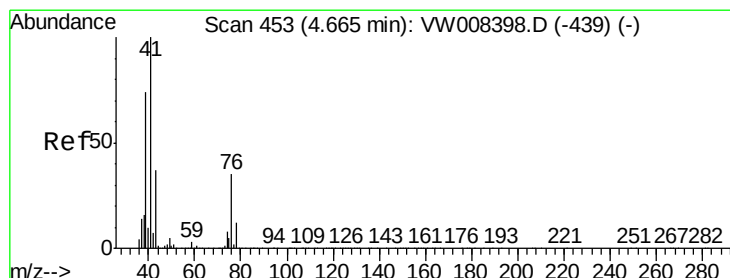
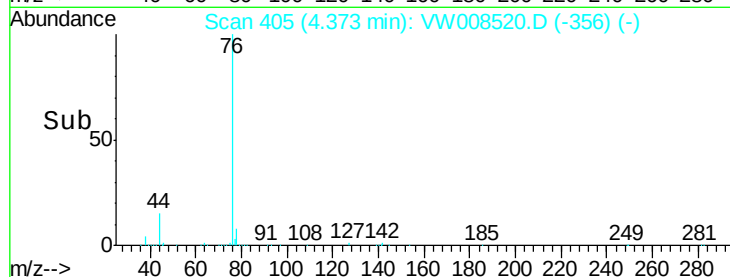
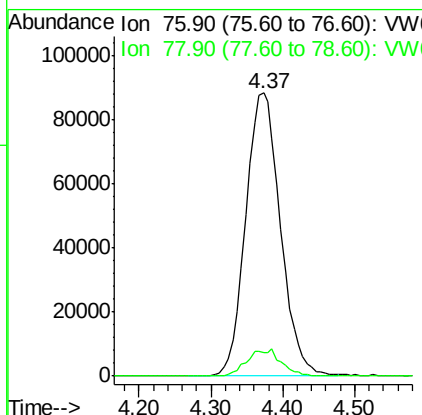
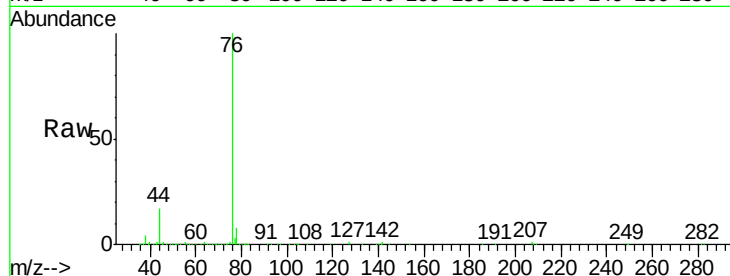




#17  
Carbon Disulfide  
Concen: 17.566 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

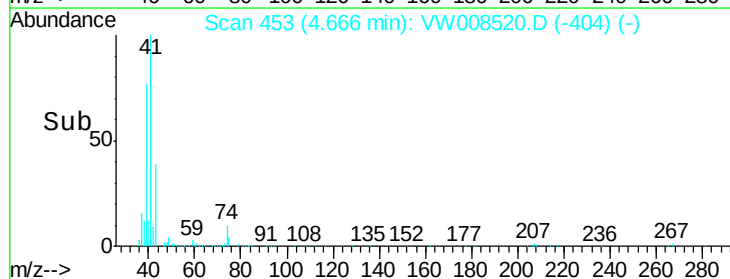
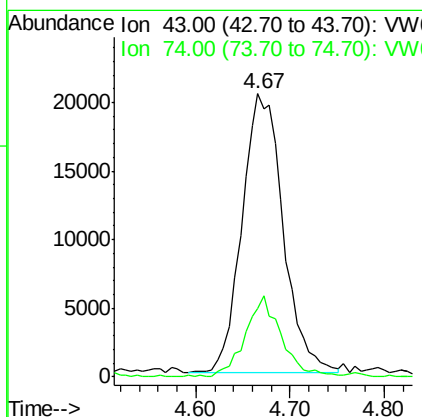
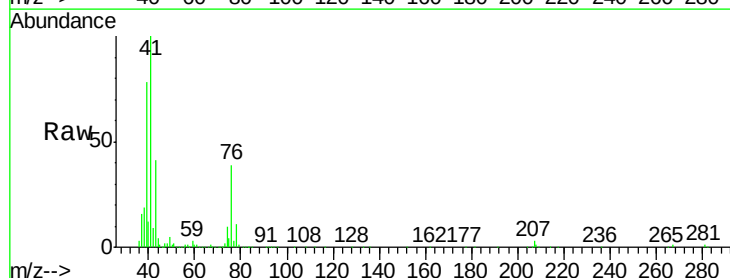
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

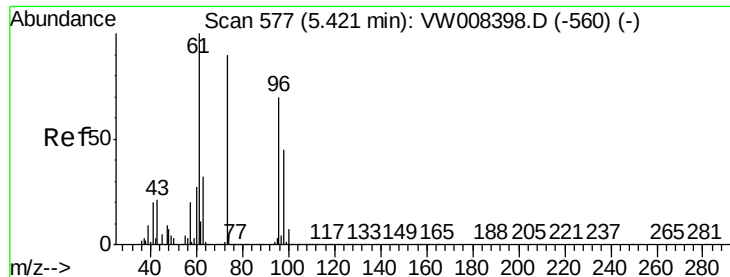
Tot Ion: 76 Resp: 295600  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.7 11.5



#18  
Methyl Acetate  
Concen: 18.267 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 43 Resp: 61872  
Ion Ratio Lower Upper  
43 100  
74 25.4 17.5 26.3

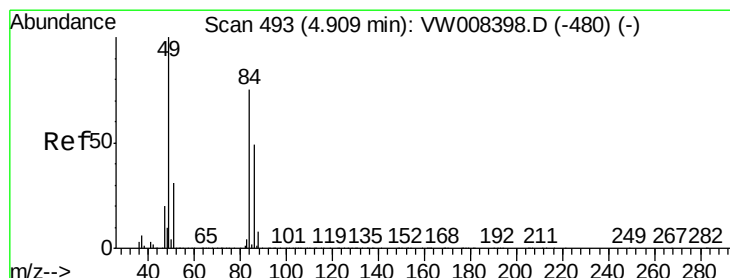
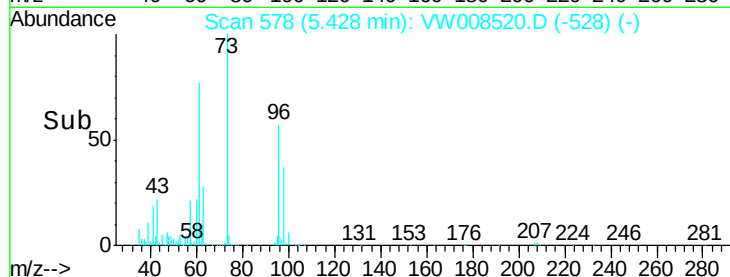
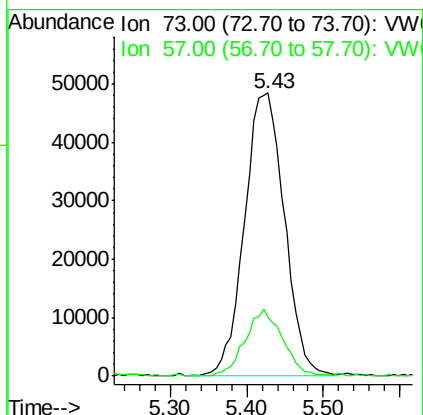
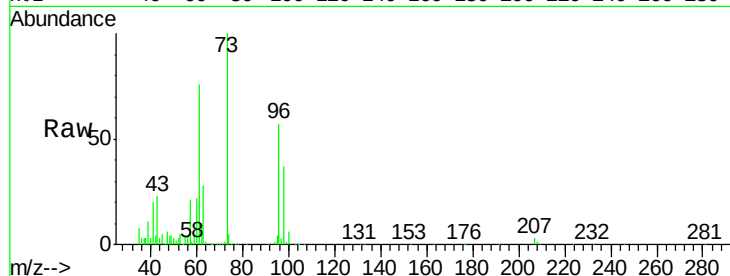




#19  
Methyl tert-butyl Ether  
Concen: 19.990 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

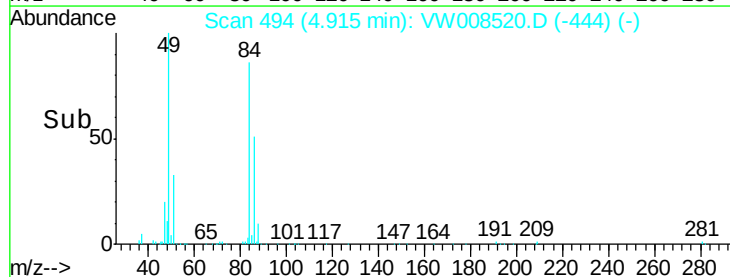
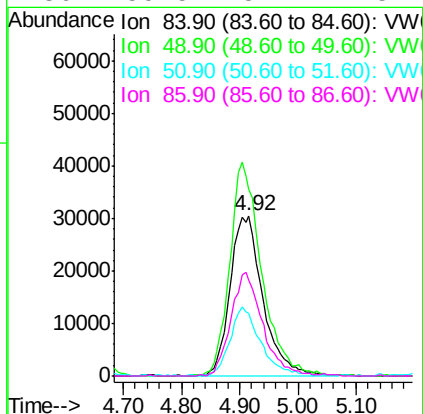
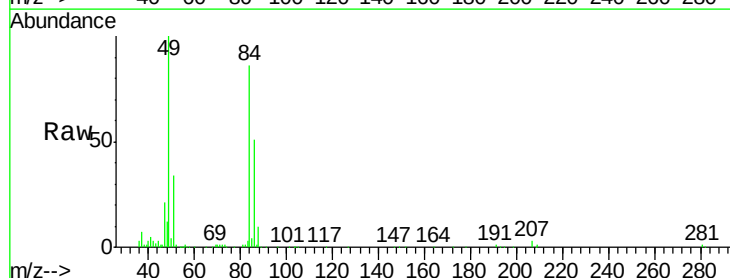
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

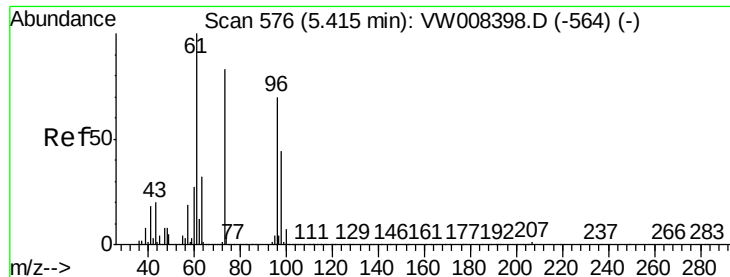
Tot Ion: 73 Resp: 174264  
Ion Ratio Lower Upper  
73 100  
57 20.6 18.0 27.0



#20  
Methylene Chloride  
Concen: 20.397 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 84 Resp: 119388  
Ion Ratio Lower Upper  
84 100  
49 116.1 106.8 160.2  
51 38.6 32.9 49.3  
86 59.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.901 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

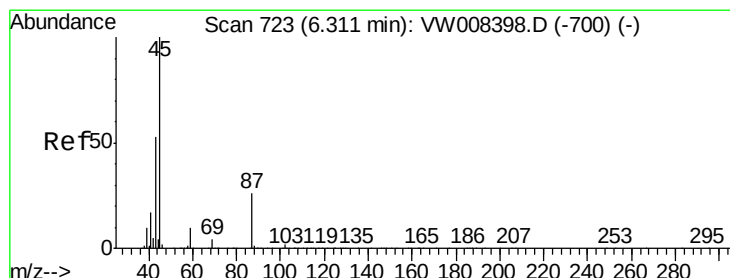
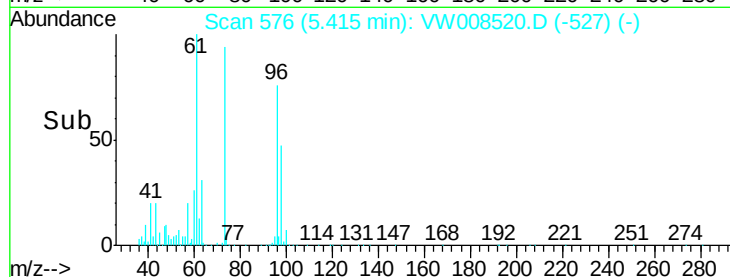
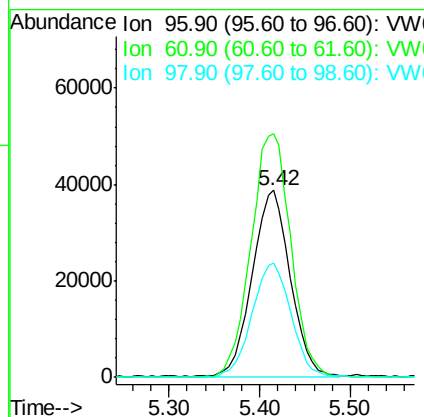
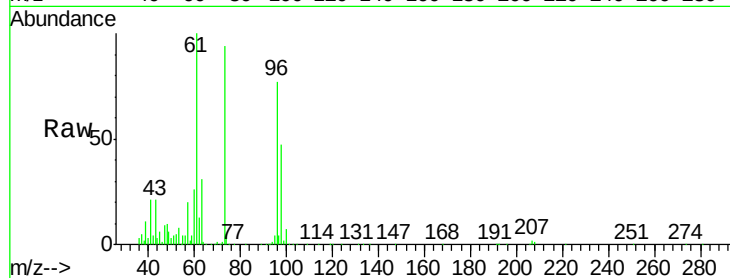
Tot Ion: 96 Resp: 111961

Ion Ratio Lower Upper

96 100

61 130.8 114.4 171.6

98 61.7 50.6 75.8



#22

Diisopropyl ether

Concen: 18.010 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Tgt Ion: 45 Resp: 341499

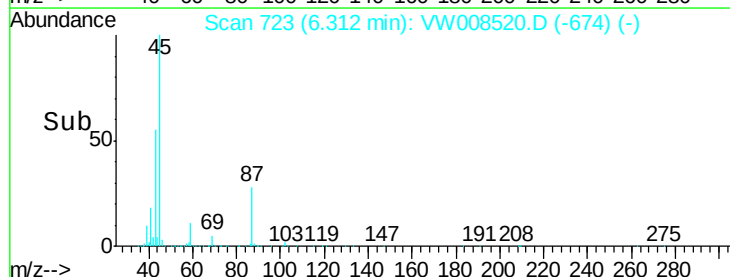
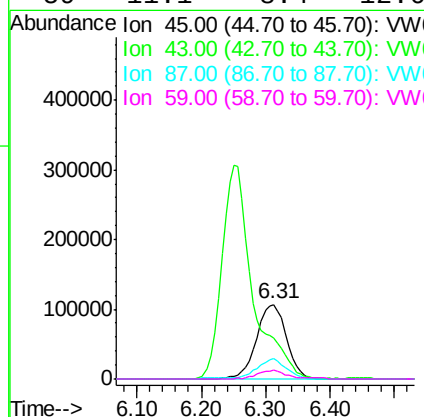
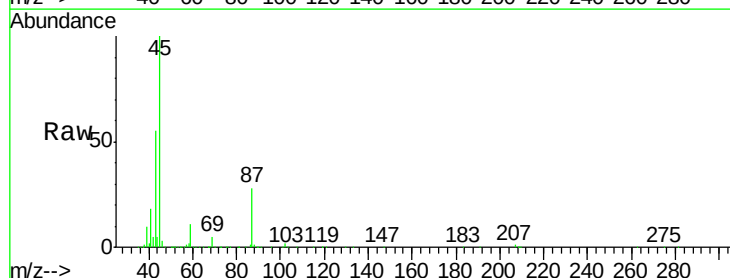
Ion Ratio Lower Upper

45 100

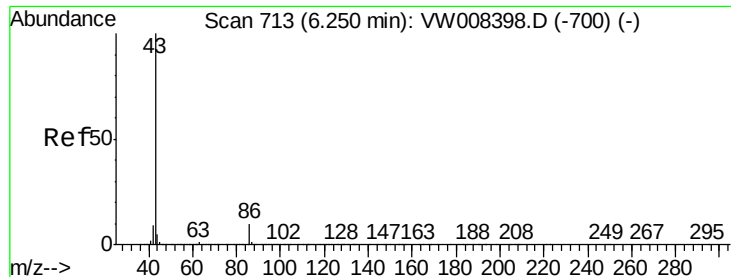
43 54.4 42.6 63.8

87 27.3 20.3 30.5

59 11.1 8.4 12.6







#23

Vinyl Acetate

Concen: 91.828 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

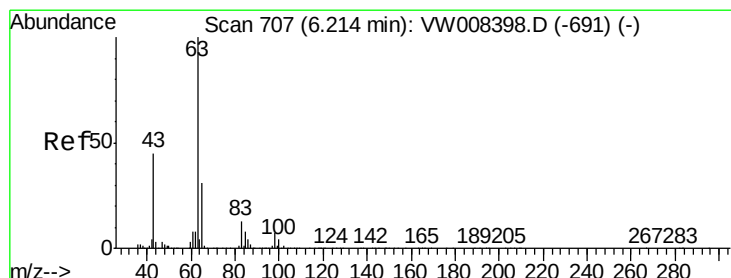
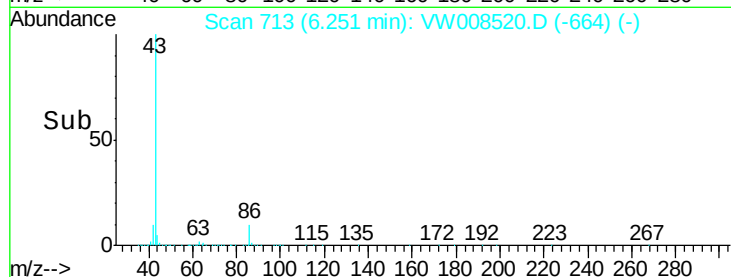
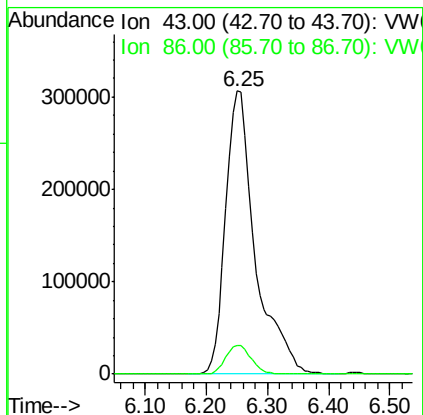
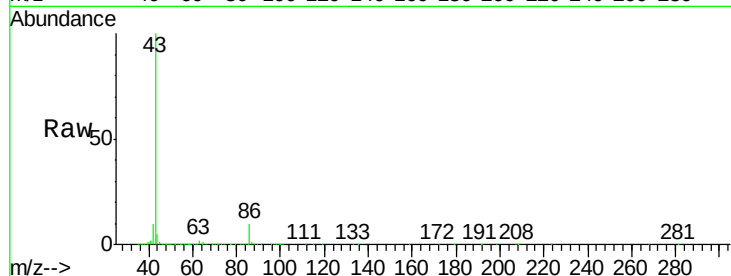
VW0206SBSD01

Tot Ion: 43 Resp: 1028164

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



#24

1,1-Dichloroethane

Concen: 18.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

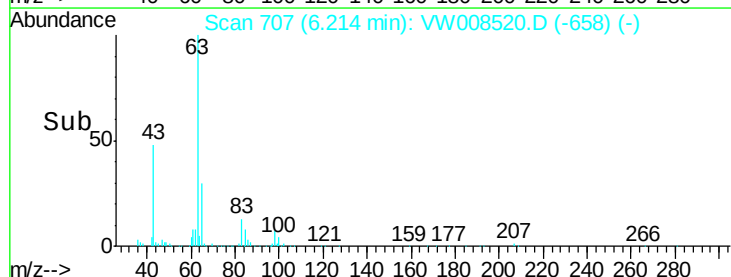
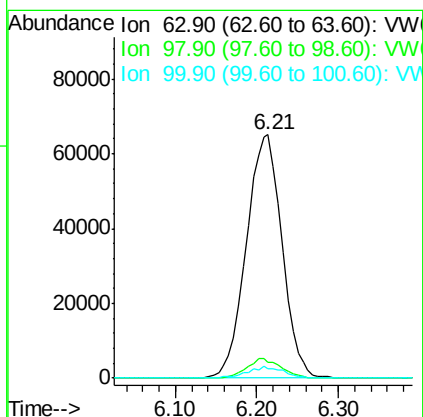
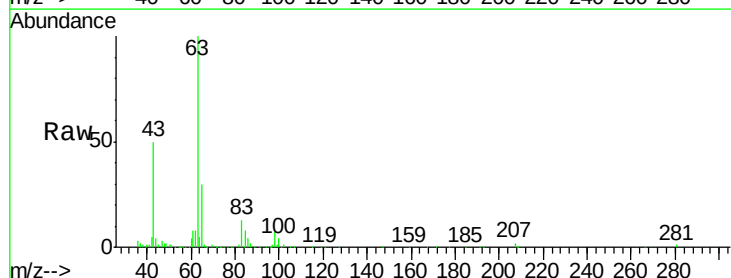
Tgt Ion: 63 Resp: 198054

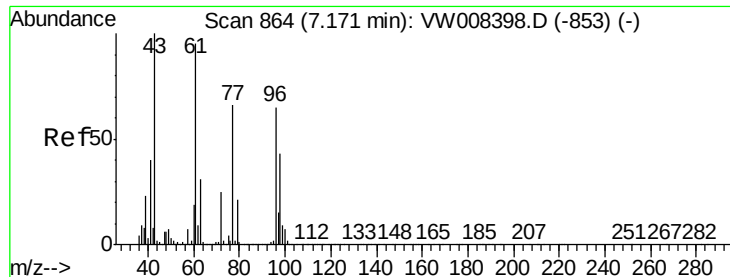
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 96.654 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

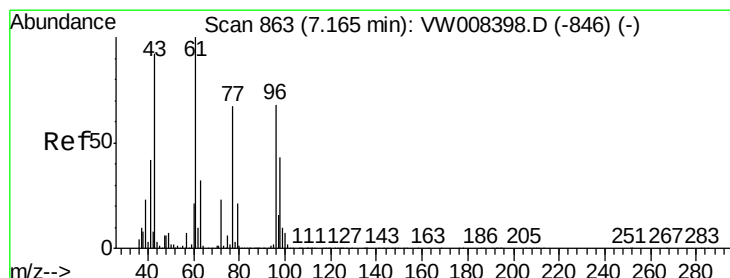
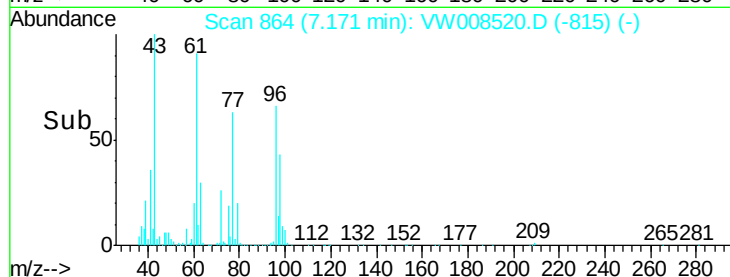
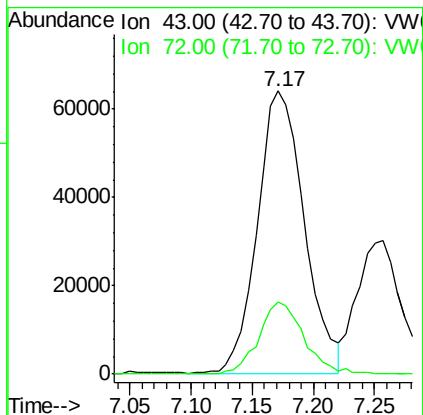
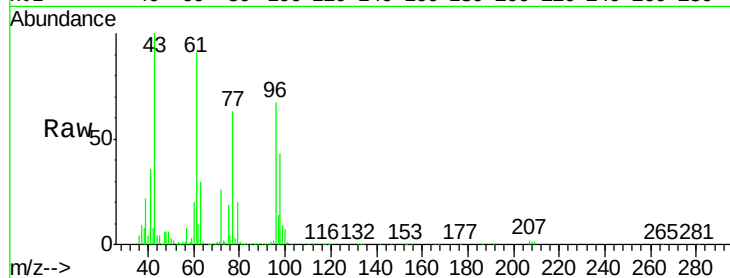
VW0206SBSD01

Tot Ion: 43 Resp: 170488

Ion Ratio Lower Upper

43 100

72 25.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 18.643 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008520.D

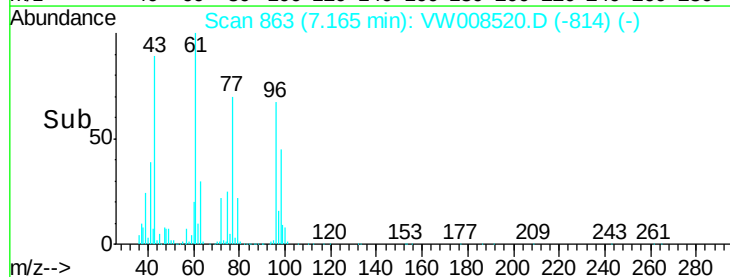
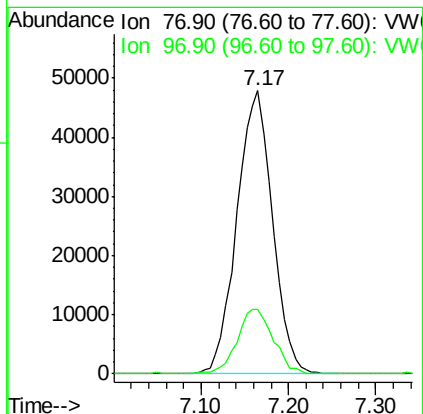
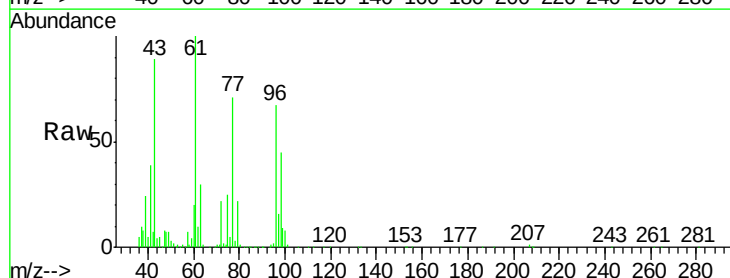
Acq: 06 Feb 2019 11:53

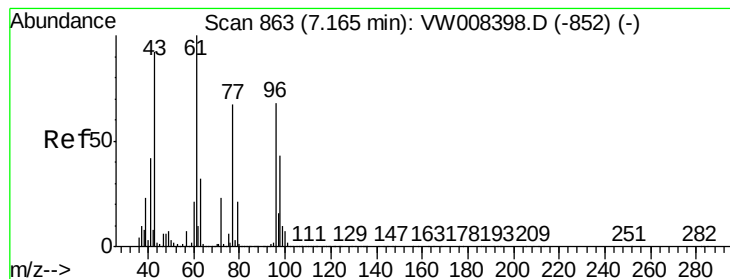
Tgt Ion: 77 Resp: 135258

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5



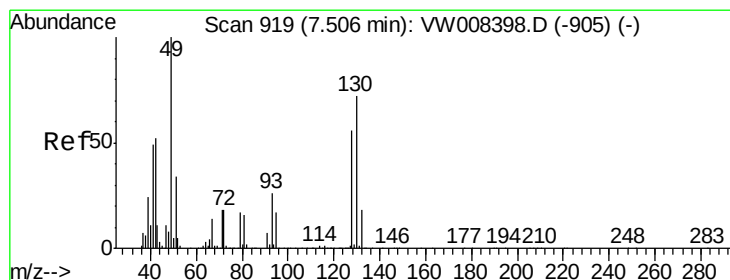
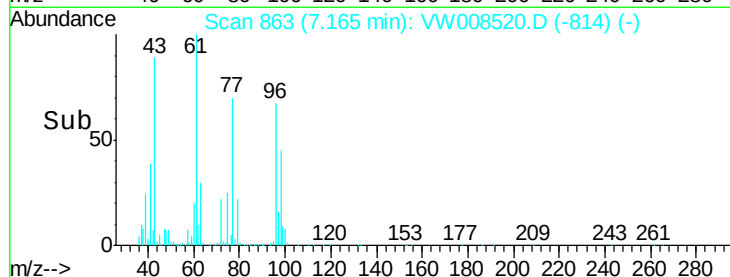
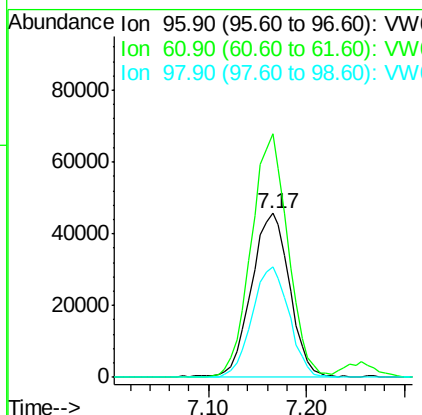
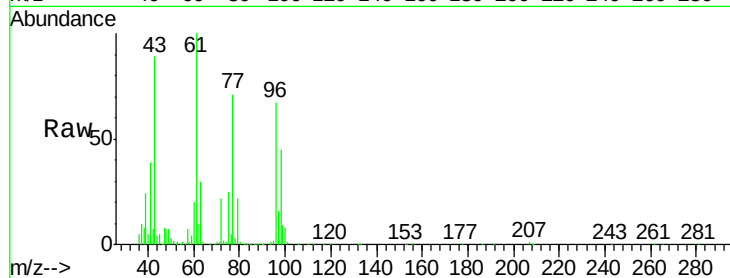


#27

cis-1,2-Dichloroethene  
 Concen: 19.254 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

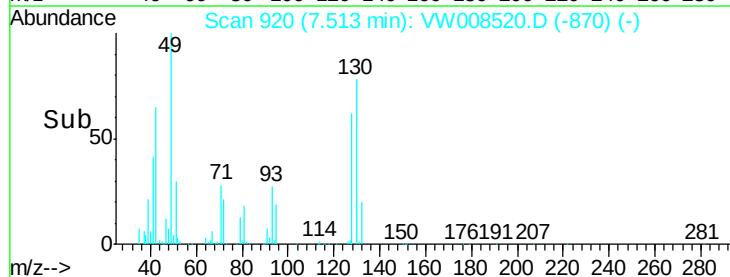
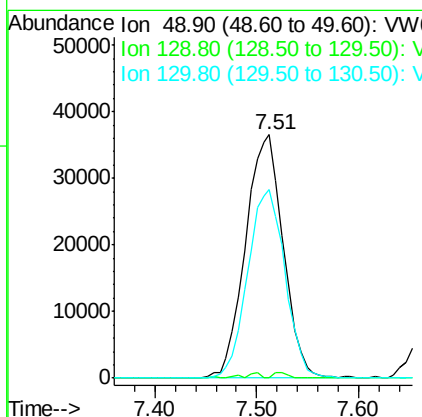
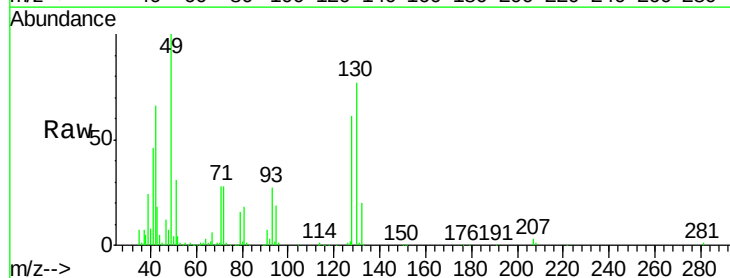
| Tot Ion   | 96    | Resp  | 124296 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 142.7 | 0.0   | 292.8  |
| 98        | 65.5  | 0.0   | 129.2  |

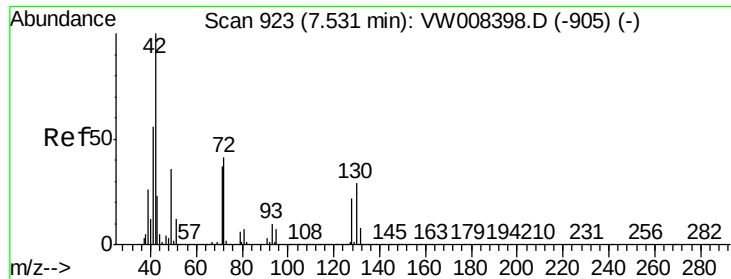


#28

Bromochloromethane  
 Concen: 19.007 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.01 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

| Tgt Ion   | 49    | Resp  | 93702 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 0.9   | 0.0   | 4.6   |
| 130       | 76.9  | 58.6  | 87.8  |

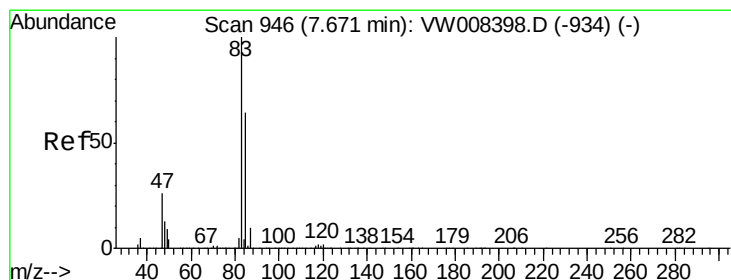
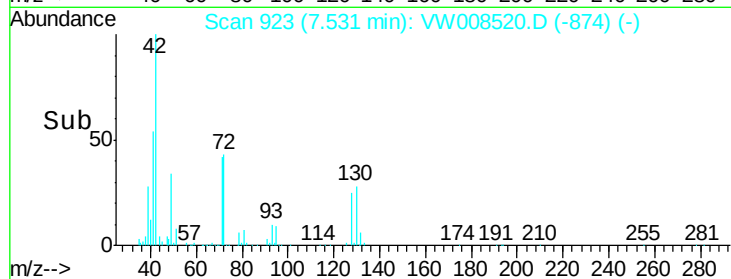
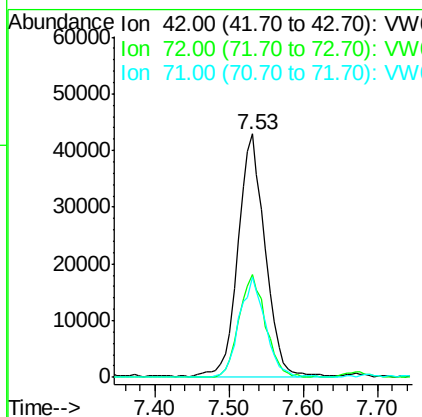
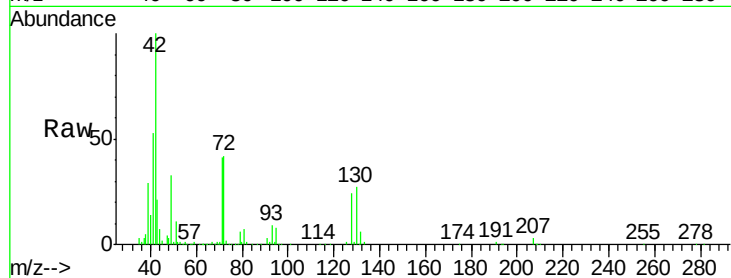




#29  
Tetrahydrofuran  
Concen: 97.807 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

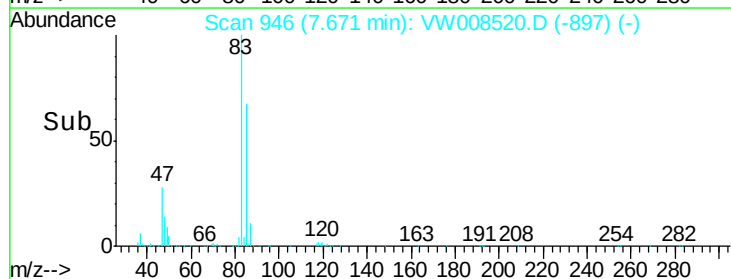
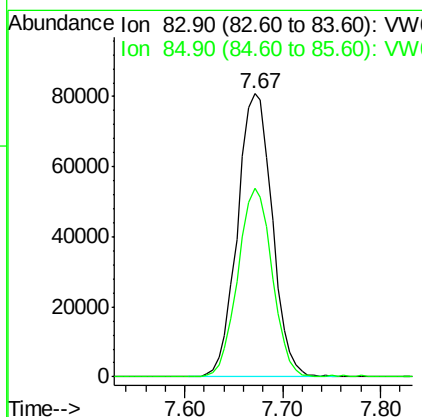
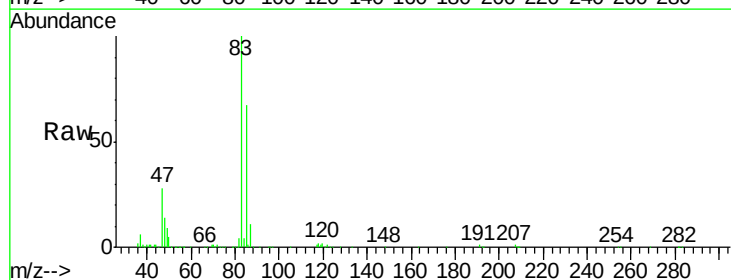
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

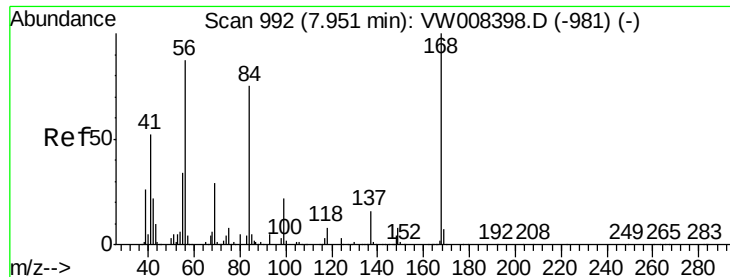
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 31.9  | 47.9  |
| 71      | 39.5  | 29.9  | 44.9  |



#30  
Chloroform  
Concen: 18.916 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.5  | 50.9  | 76.3  |





#31

Cyclohexane

Concen: 17.609 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

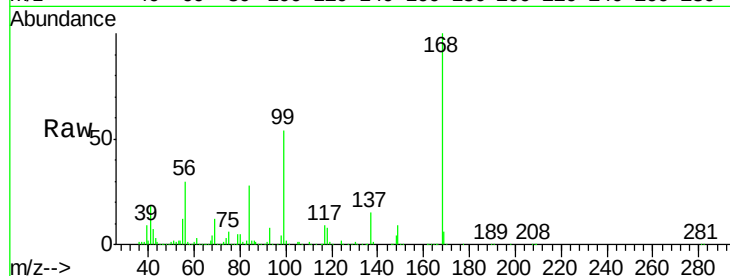
Tot Ion: 56 Resp: 195427

Ion Ratio Lower Upper

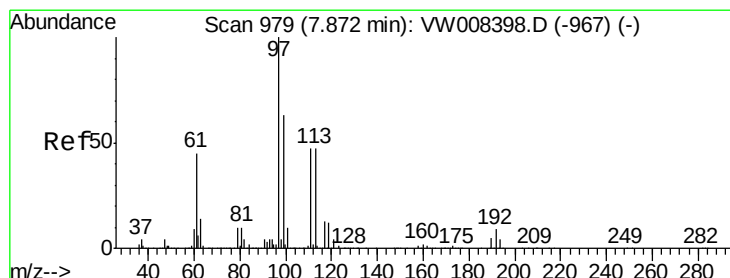
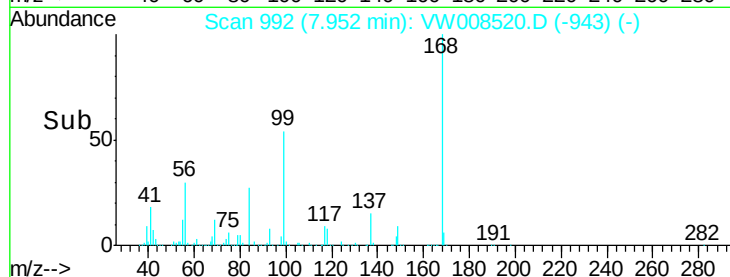
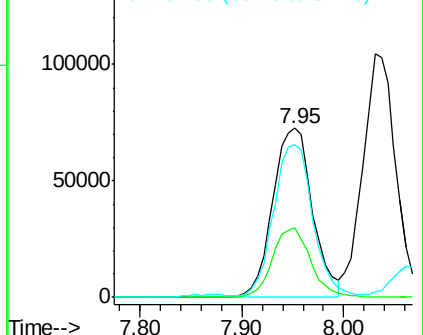
56 100

69 40.7 26.4 39.6#

84 89.7 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 19.092 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

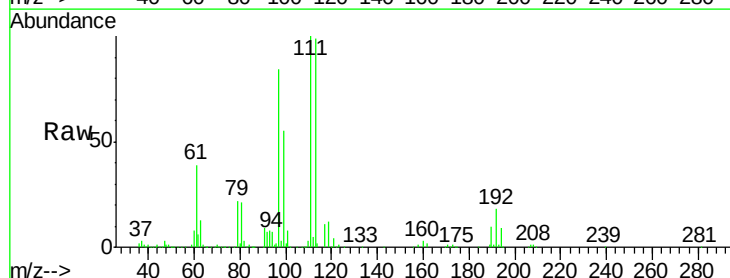
Tgt Ion: 97 Resp: 174090

Ion Ratio Lower Upper

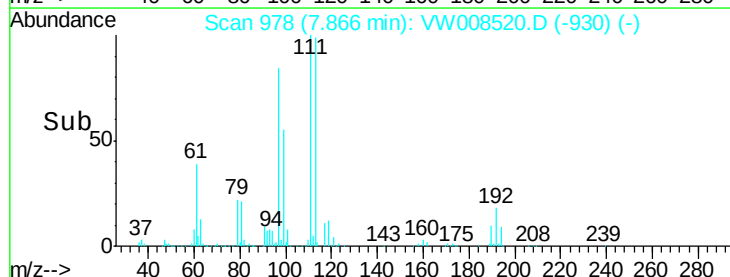
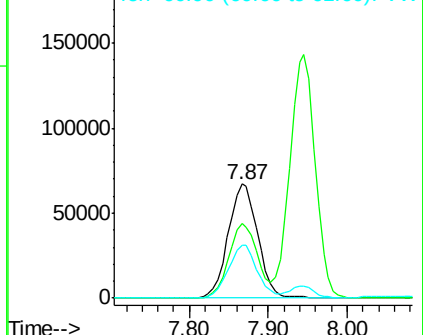
97 100

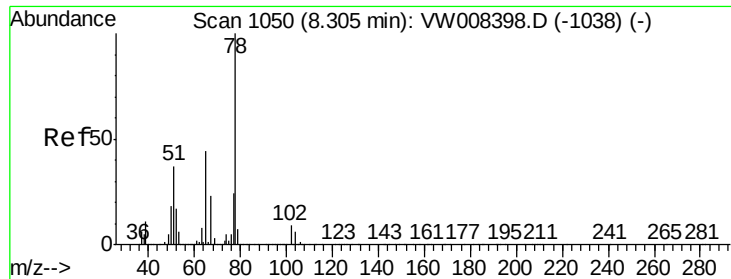
99 63.7 51.3 76.9

61 45.4 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW

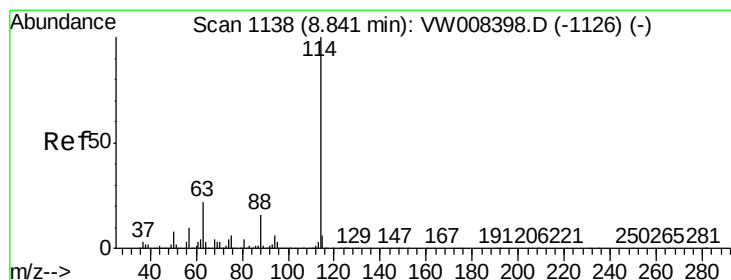
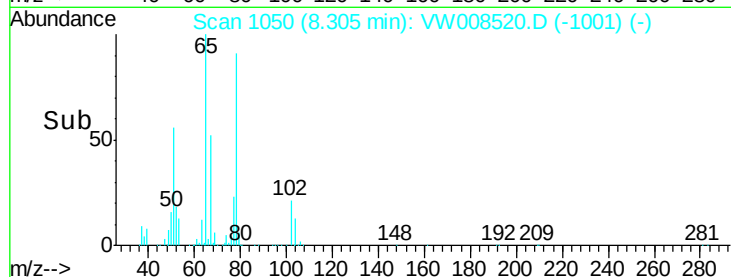
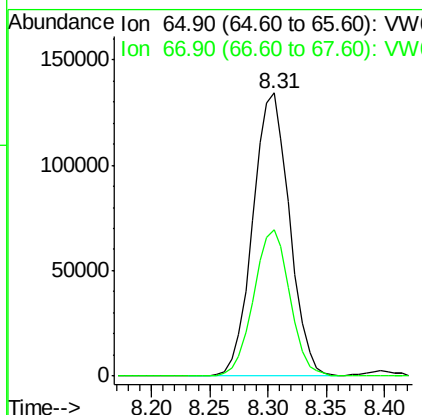
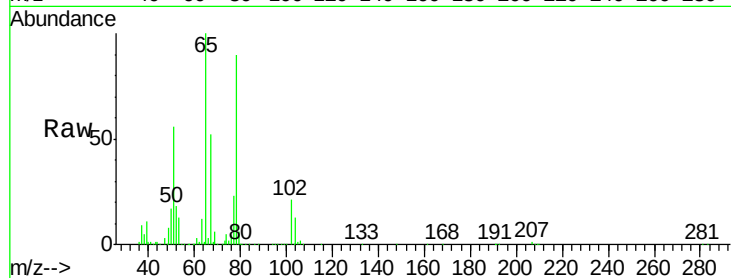




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.151 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

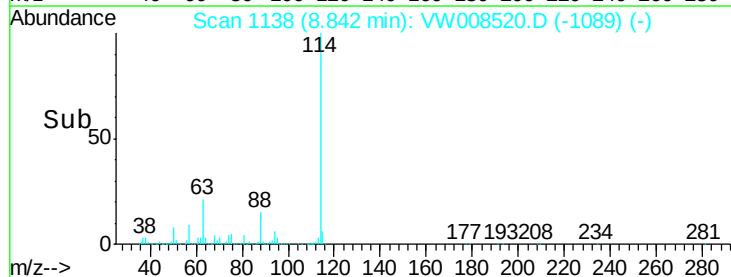
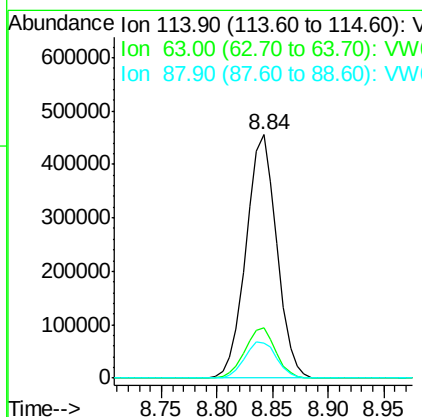
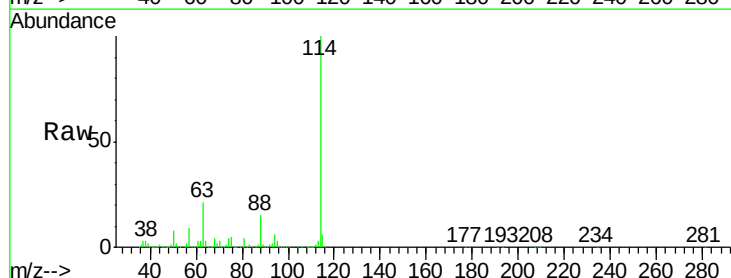
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

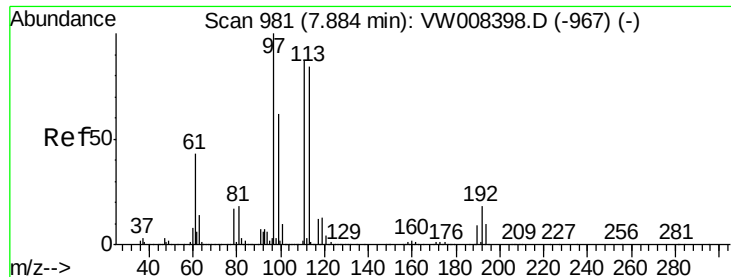
Tot Ion: 65 Resp: 294915  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

Tgt Ion: 114 Resp: 873932  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 43.6  
 88 14.6 0.0 31.8

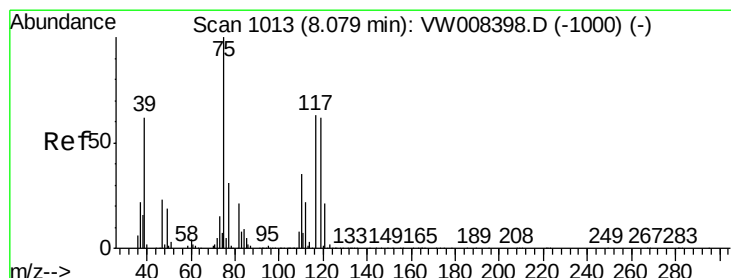
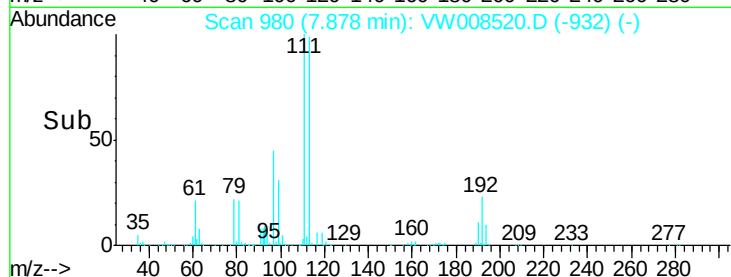
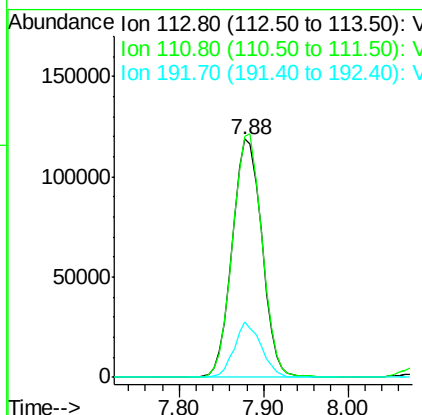
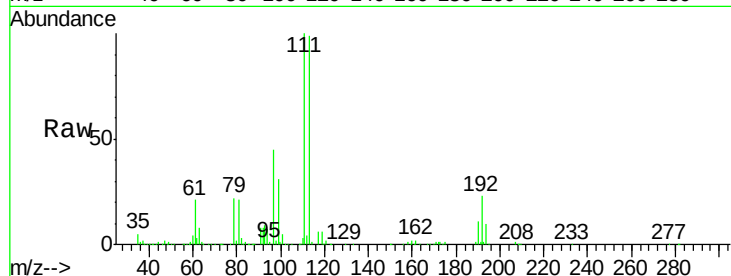




#35  
 Dibromofluoromethane  
 Concen: 55.501 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

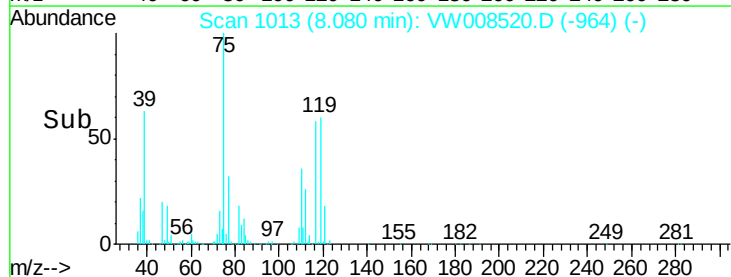
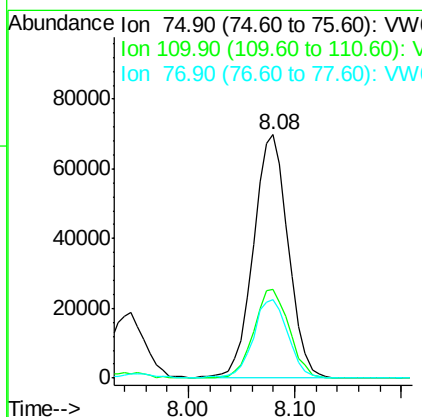
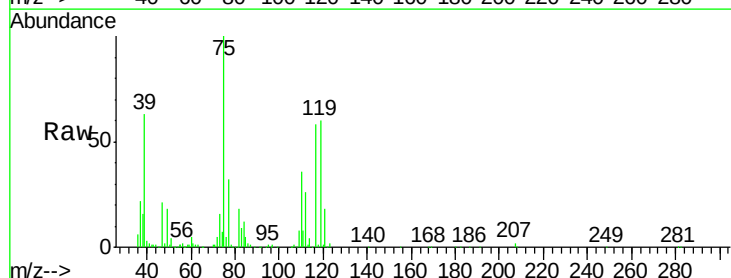
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

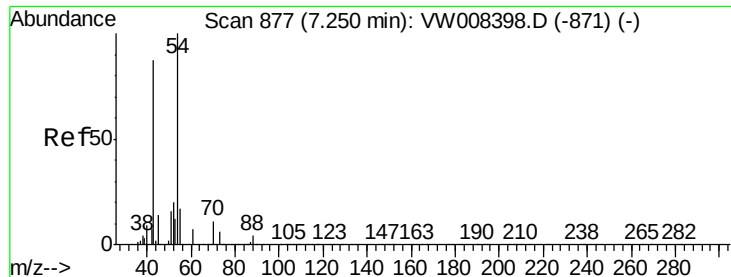
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 81.0  | 121.4 |
| 192     | 21.1  | 16.8  | 25.2  |



#36  
 1,1-Dichloropropene  
 Concen: 19.283 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 17.3  | 52.0  |
| 77      | 32.4  | 24.7  | 37.1  |

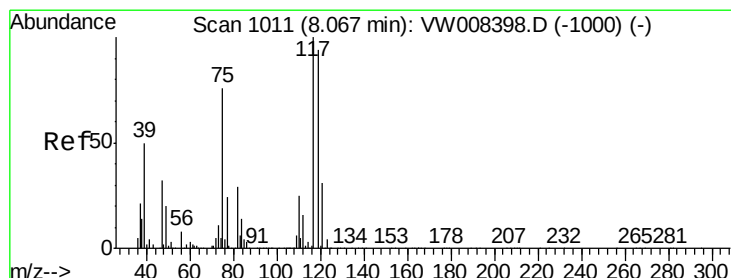
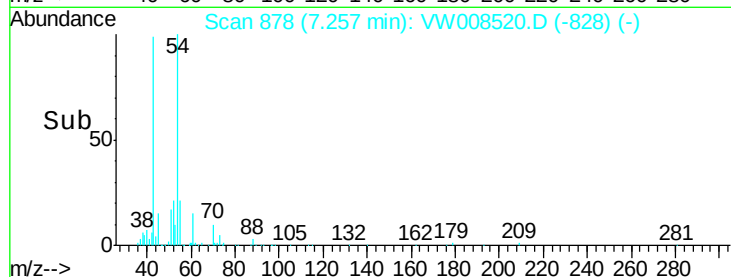
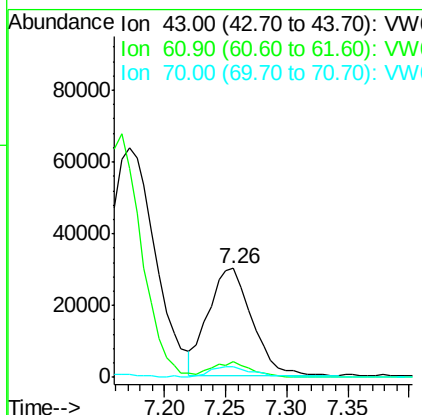
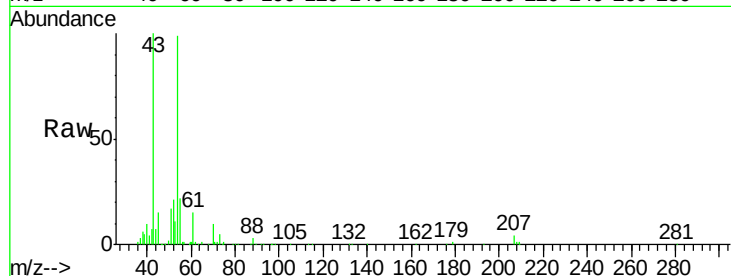




#37  
Ethyl Acetate  
Concen: 20.434 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

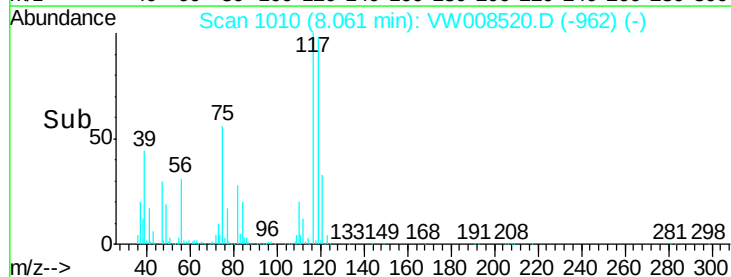
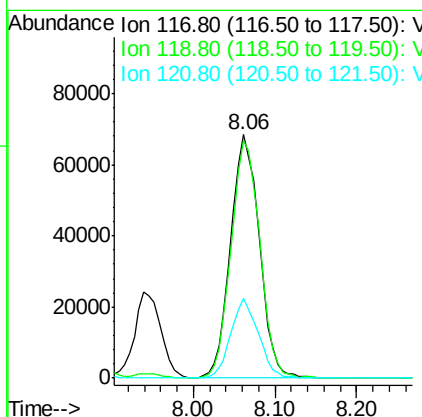
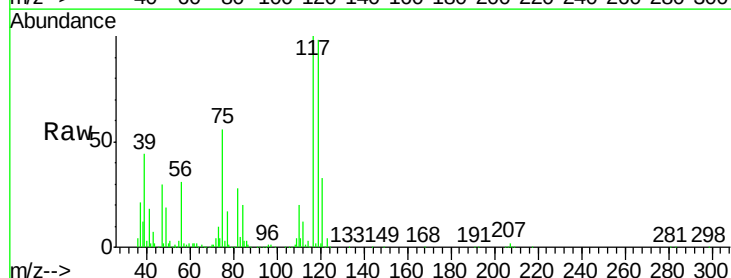
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

Tot Ion: 43 Resp: 74632  
Ion Ratio Lower Upper  
43 100  
61 13.0 10.1 15.1  
70 10.1 7.8 11.6

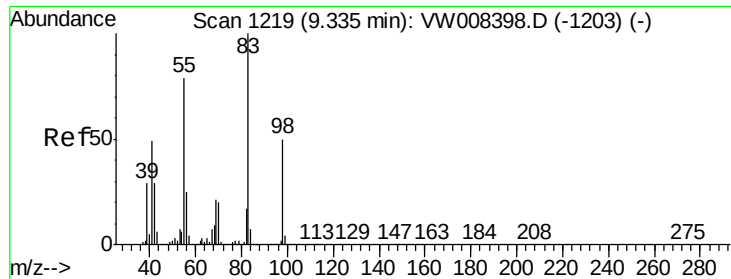


#38  
Carbon Tetrachloride  
Concen: 20.074 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 117 Resp: 166755  
Ion Ratio Lower Upper  
117 100  
119 97.6 75.0 112.4  
121 32.5 24.9 37.3



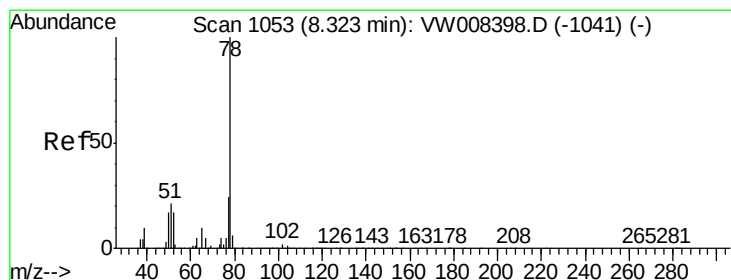
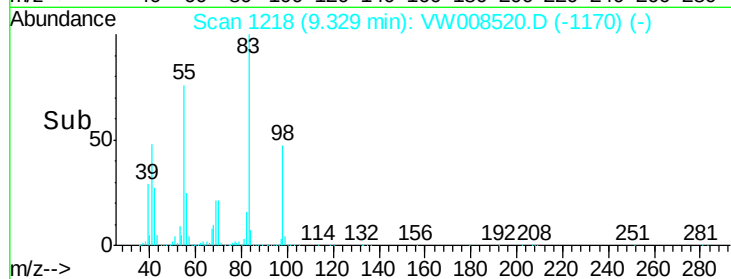
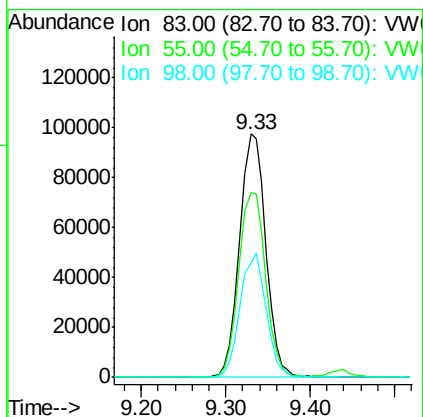
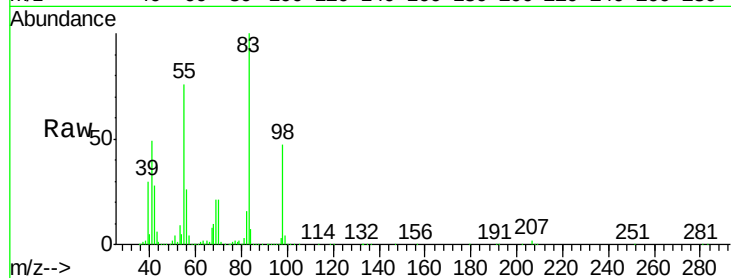




#39  
Methylvlcyclohexane  
Concen: 18.843 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

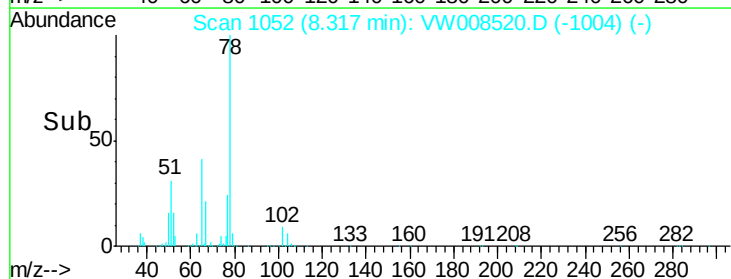
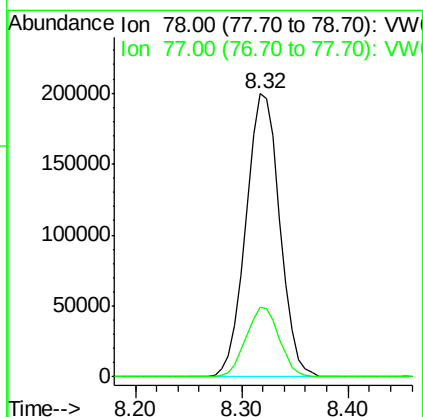
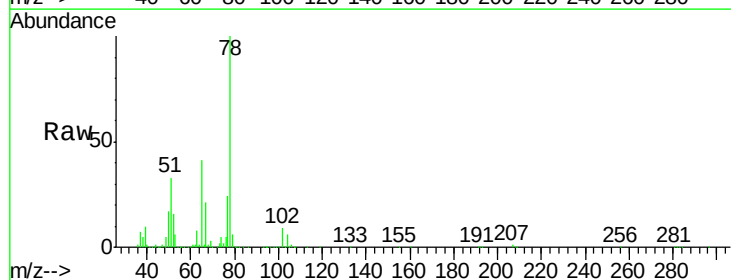
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

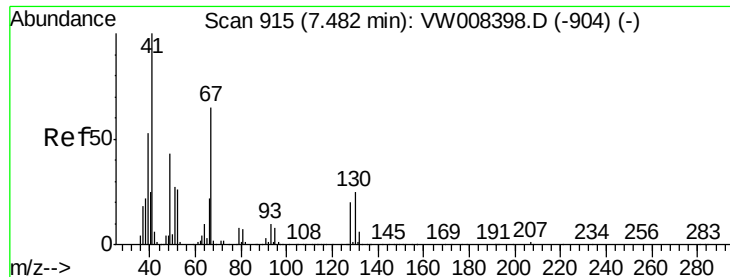
Tot Ion: 83 Resp: 204350  
Ion Ratio Lower Upper  
83 100  
55 76.0 63.3 94.9  
98 46.8 39.7 59.5



#40  
Benzene  
Concen: 19.475 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 78 Resp: 446125  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.0 28.6

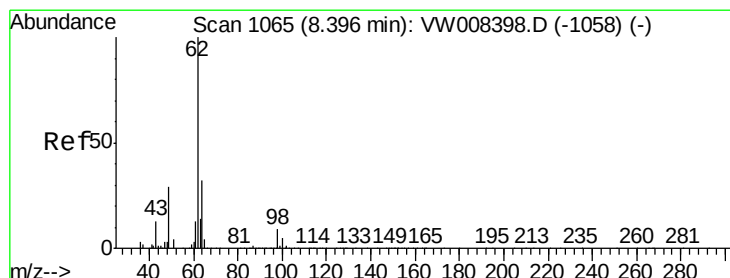
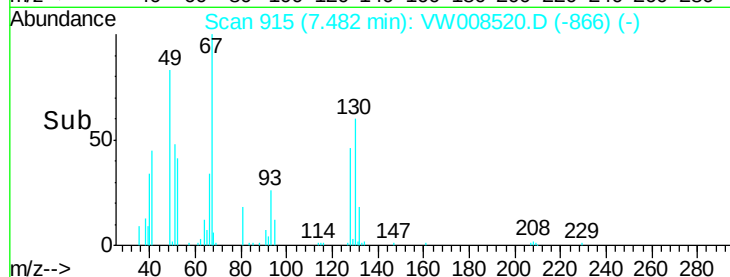
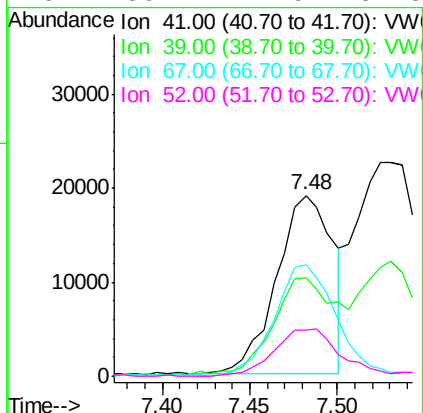
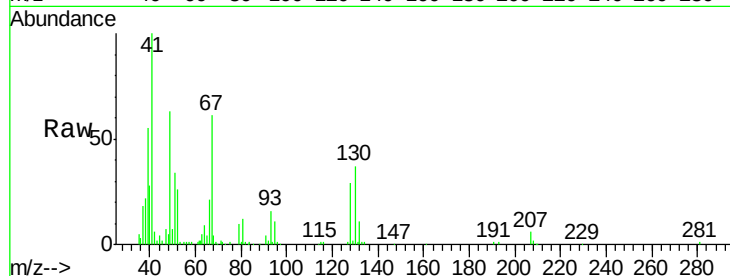




#41  
Methacrylonitrile  
Concen: 19.673 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

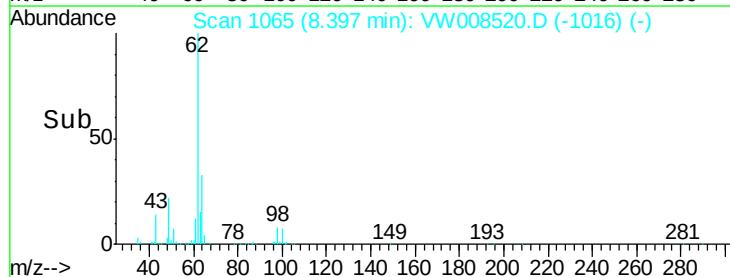
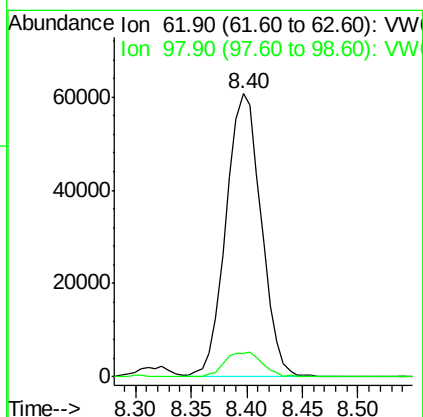
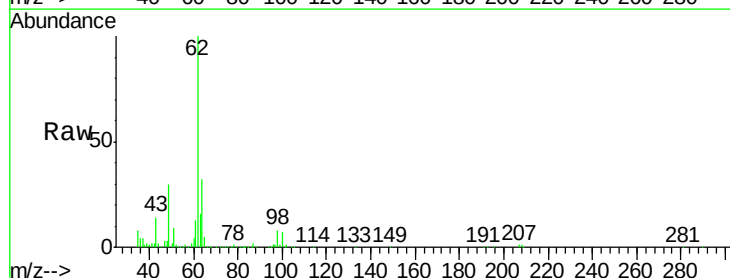
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

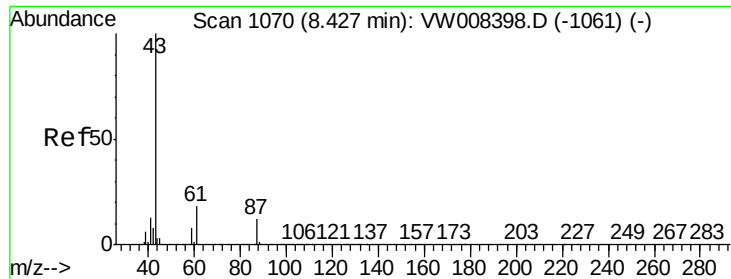
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 42545 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.7  | 43.4  | 65.0  |
| 67       | 69.1  | 54.2  | 81.2  |
| 52       | 30.7  | 22.9  | 34.3  |



#42  
1,2-Dichloroethane  
Concen: 20.078 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 133288 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 18.6   |





#43

Isopropyl Acetate

Concen: 19.766 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

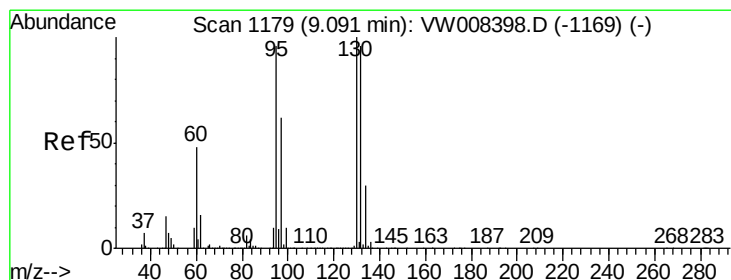
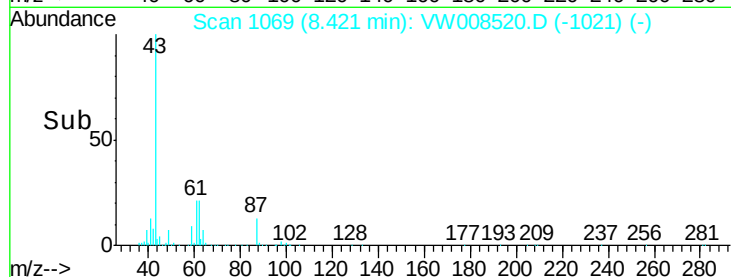
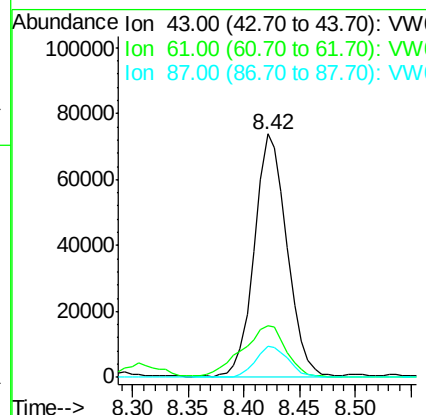
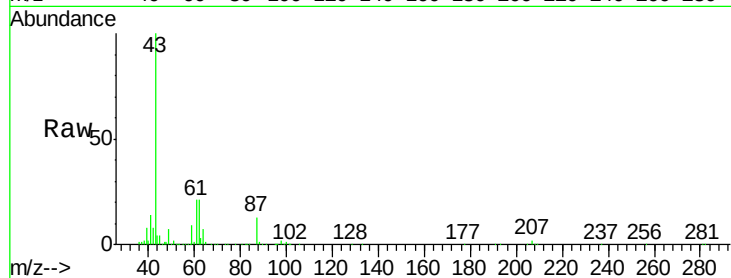
Tot Ion: 43 Resp: 149982

Ion Ratio Lower Upper

43 100

61 29.2 22.0 33.0

87 13.1 9.3 13.9



#44

Trichloroethene

Concen: 20.660 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008520.D

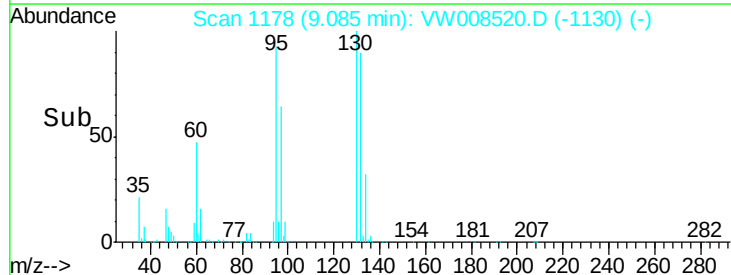
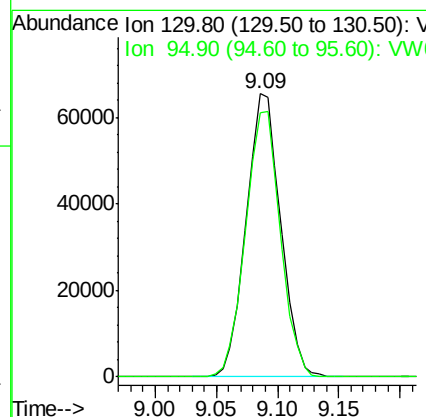
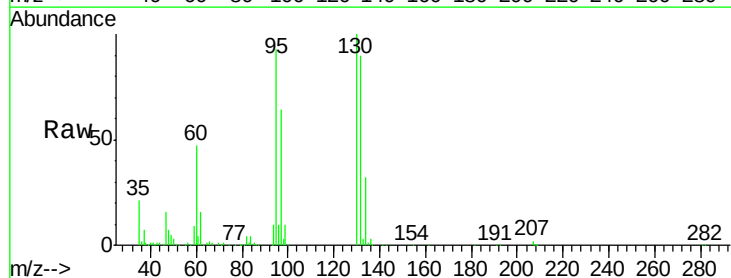
Acq: 06 Feb 2019 11:53

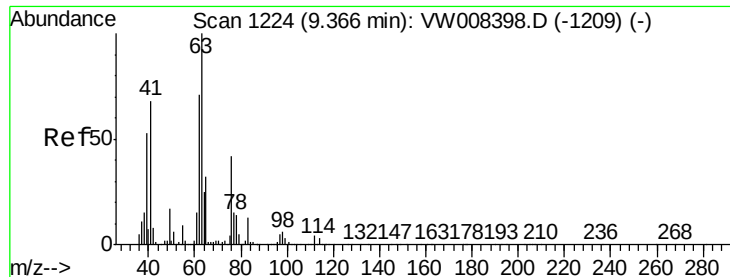
Tgt Ion: 130 Resp: 128698

Ion Ratio Lower Upper

130 100

95 93.2 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.363 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

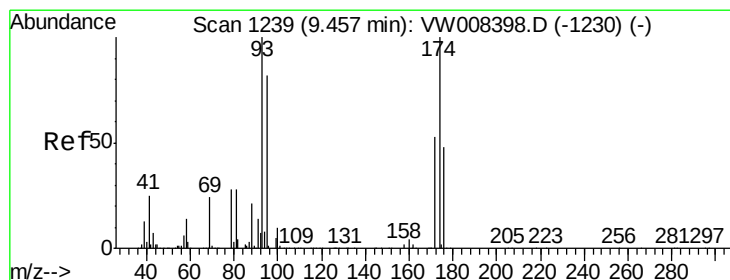
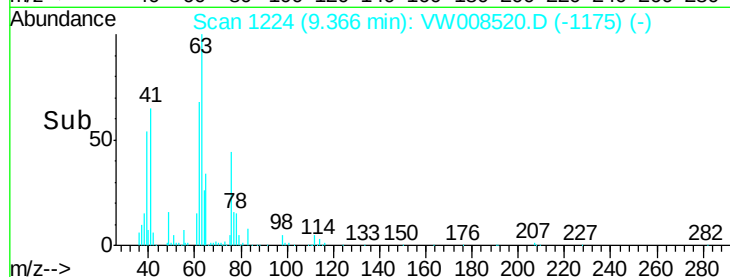
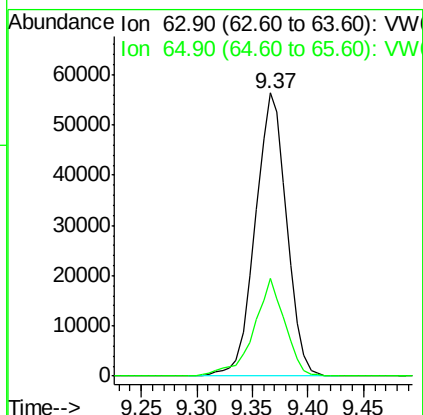
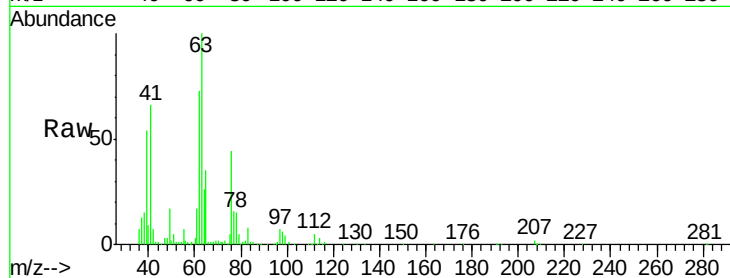
VW0206SBS01

Tot Ion: 63 Resp: 110594

Ion Ratio Lower Upper

63 100

65 34.5 25.2 37.8



#46

Dibromomethane

Concen: 20.332 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

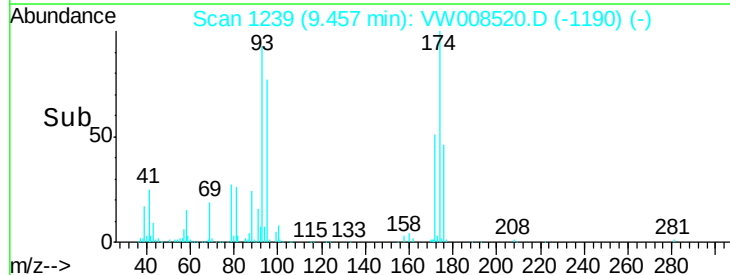
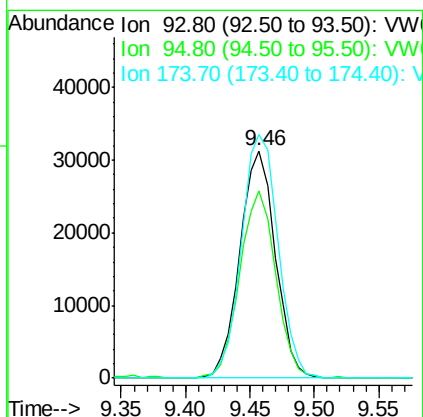
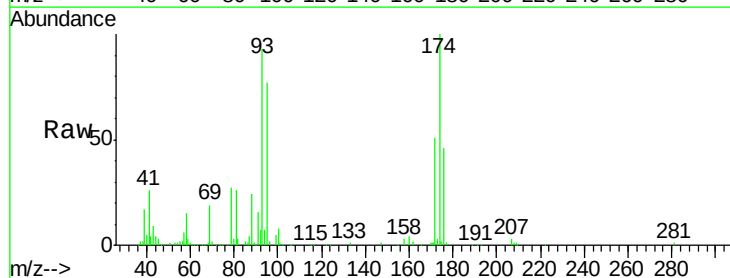
Tgt Ion: 93 Resp: 59730

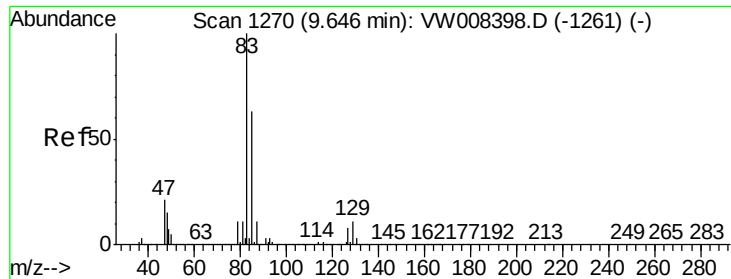
Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 110.1 81.0 121.6





#47

Bromodichloromethane

Concen: 19.533 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

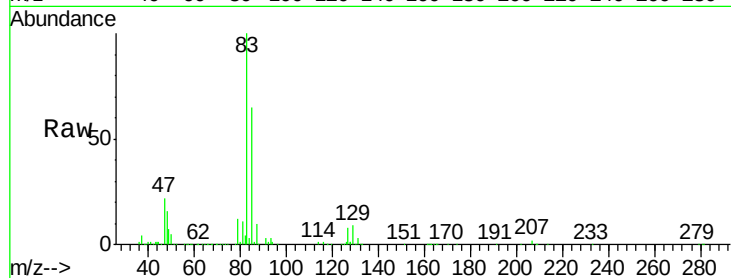
Tot Ion: 83 Resp: 151780

Ion Ratio Lower Upper

83 100

85 64.8 50.8 76.2

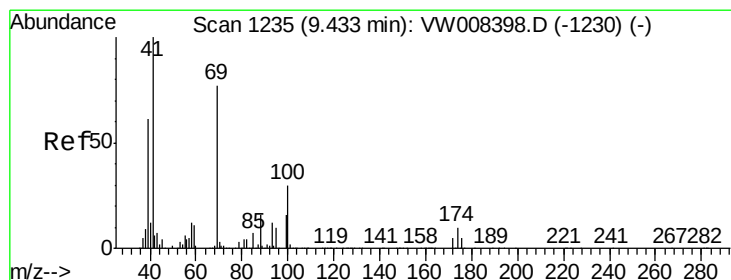
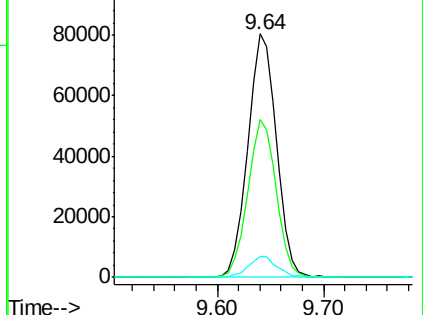
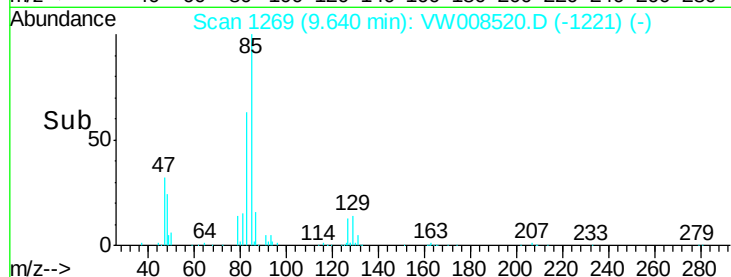
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.087 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

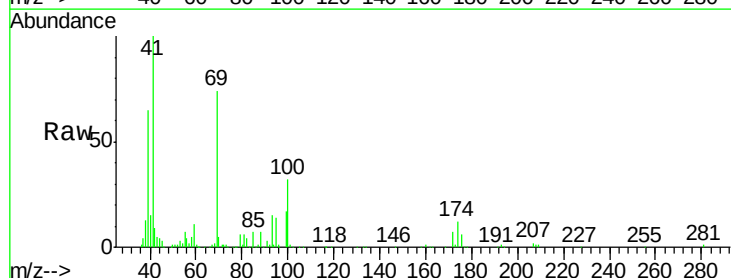
Tgt Ion: 41 Resp: 70815

Ion Ratio Lower Upper

41 100

69 79.7 64.8 97.2

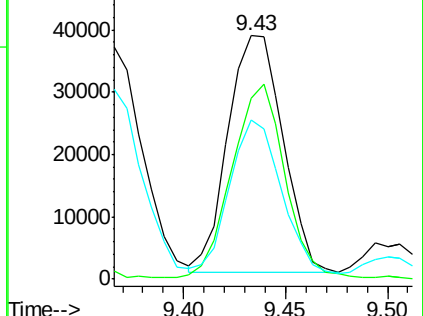
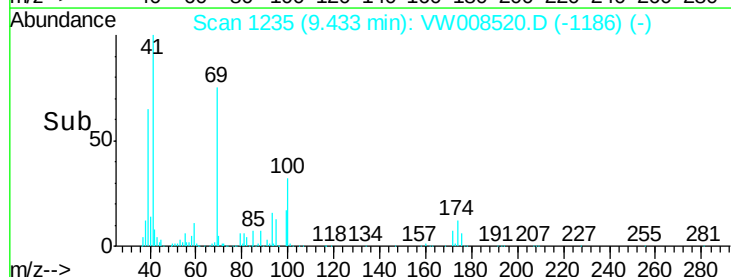
39 65.1 49.1 73.7

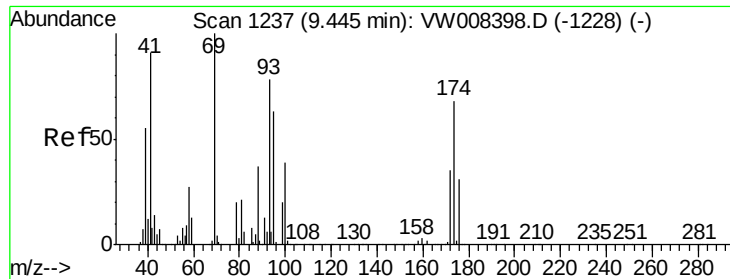


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

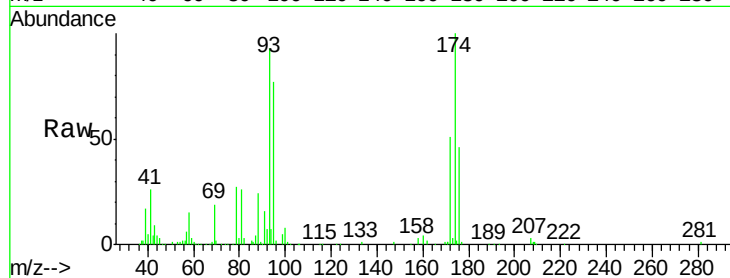




#49  
1,4-Dioxane  
Concen: 372.700 ug/l  
RT: 9.46 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

| Tot Ion | 88    | Resp  | 18507 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.6  | 29.0  | 43.4  |
| 58      | 72.0  | 56.4  | 84.6  |

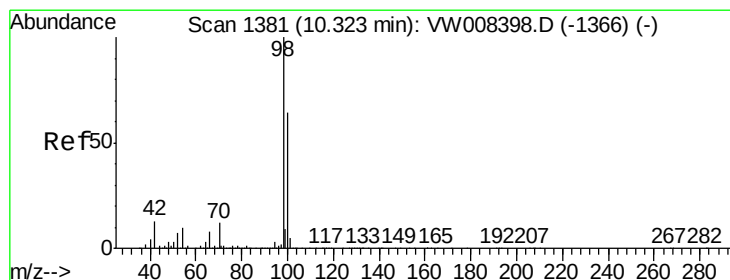
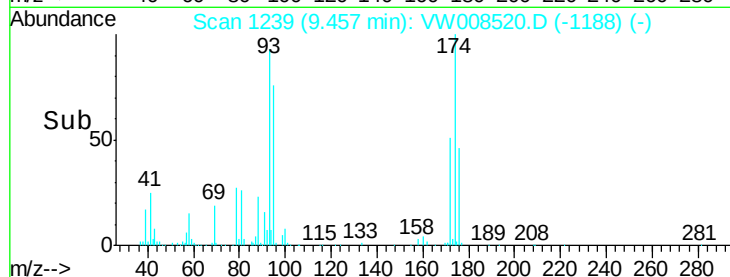
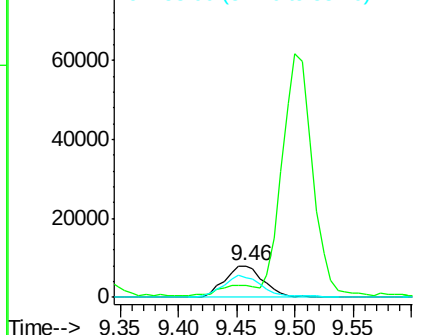


Abundance

Ion 88.00 (87.70 to 88.70): VW

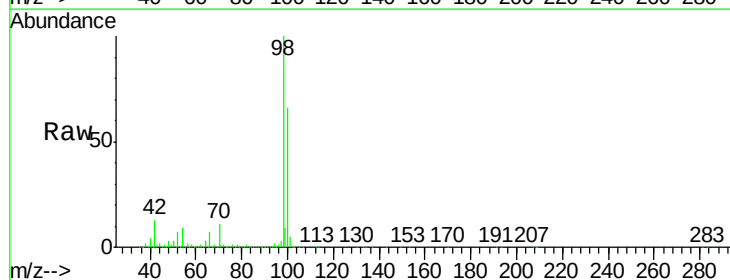
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50  
Toluene-d8  
Concen: 52.499 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

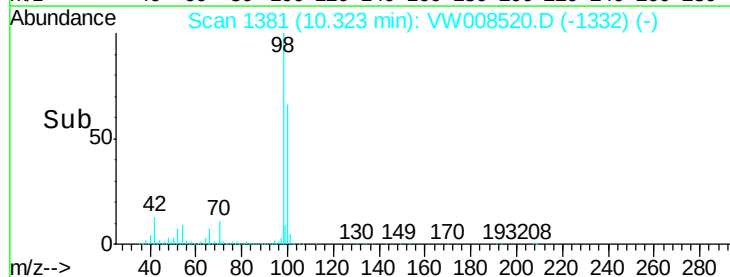
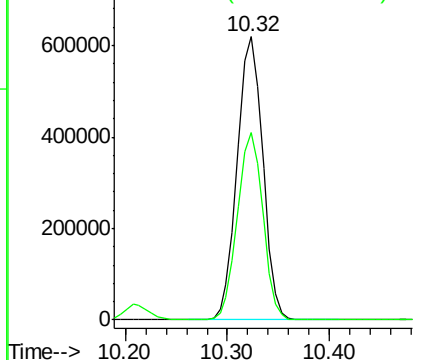
| Tgt Ion | 98    | Resp  | 1075808 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 65.7  | 52.6  | 78.8    |

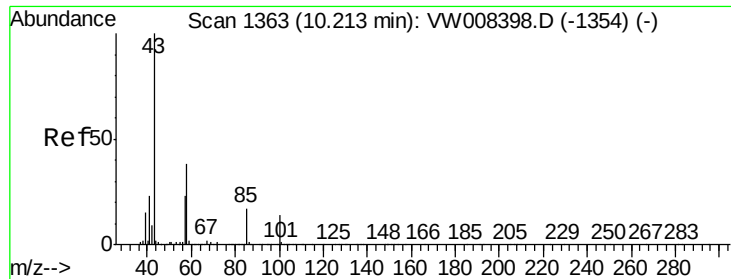


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

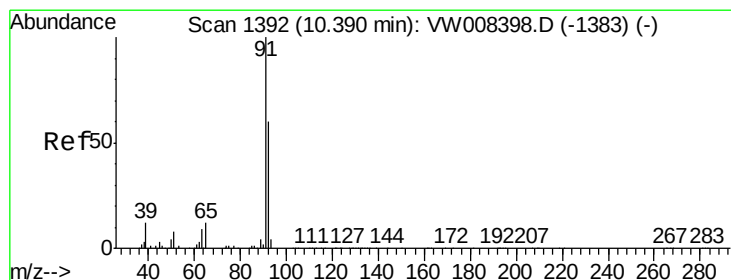
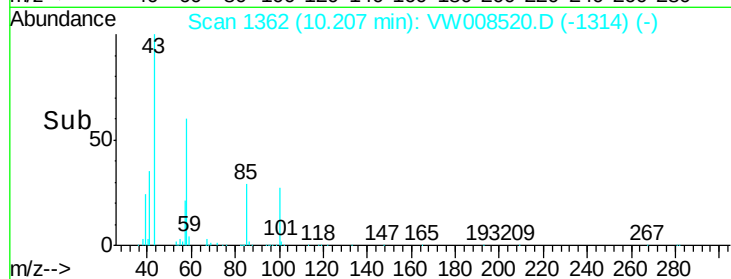
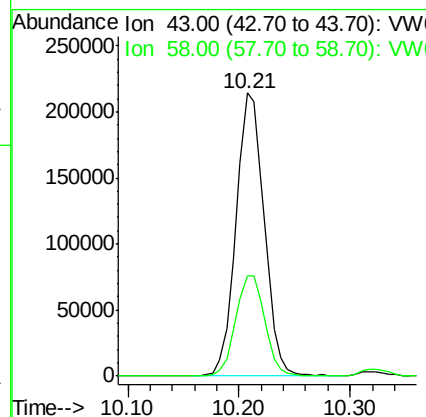
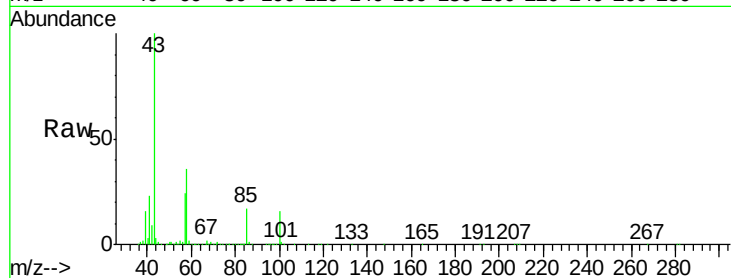




#51  
4-Methyl-2-Pentanone  
Concen: 100.069 ug/l  
RT: 10.21 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

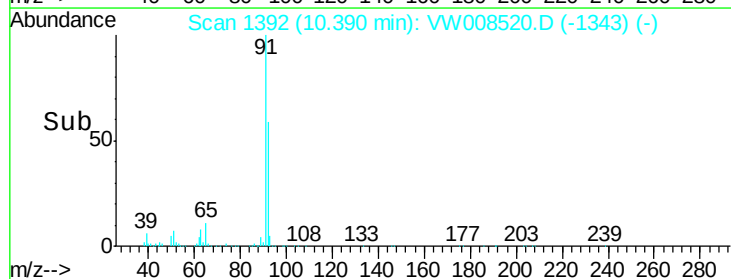
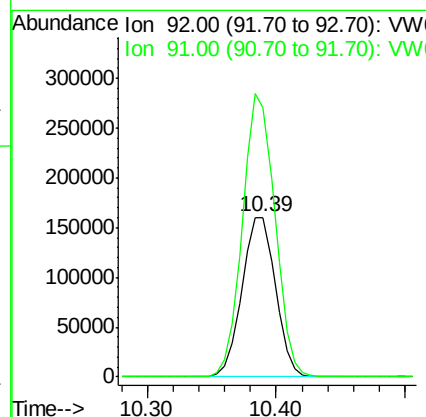
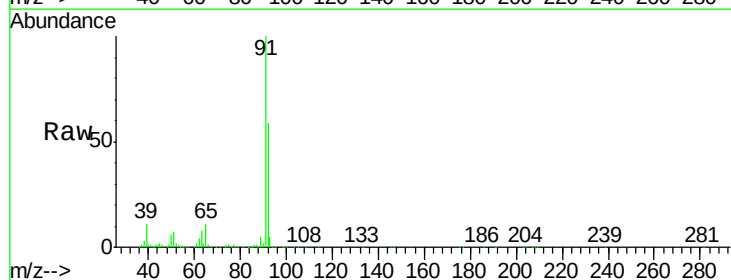
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

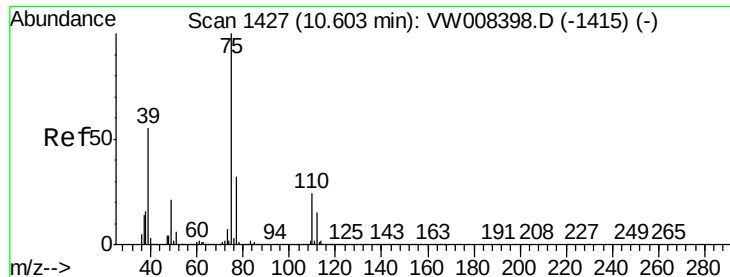
Tot Ion: 43 Resp: 375123  
Ion Ratio Lower Upper  
43 100  
58 36.7 29.7 44.5



#52  
Toluene  
Concen: 19.069 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 92 Resp: 288356  
Ion Ratio Lower Upper  
92 100  
91 172.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 19.397 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

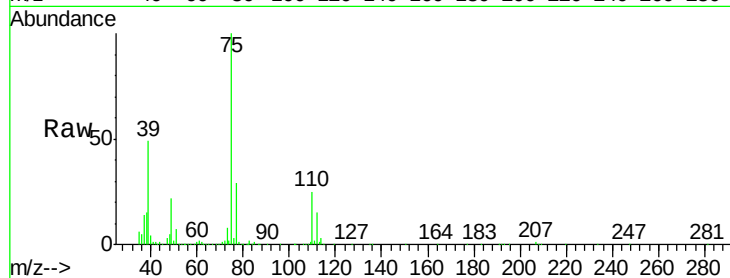
VW0206SBSD01

Tot Ion: 75 Resp: 160381

Ion Ratio Lower Upper

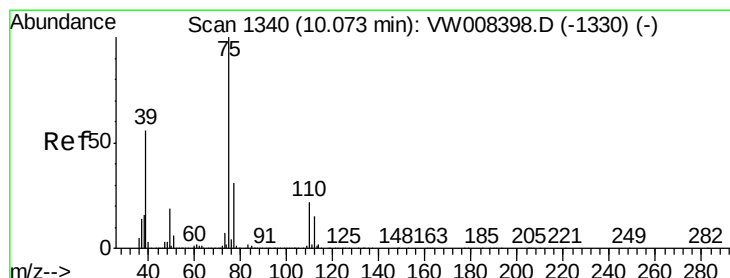
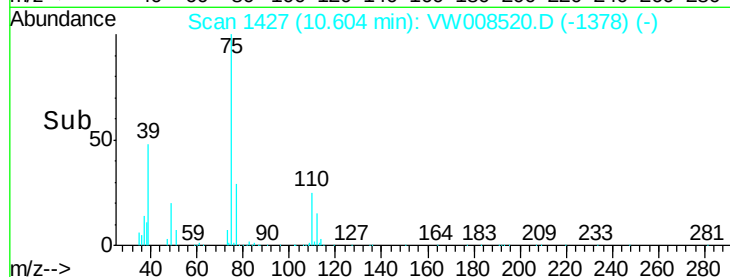
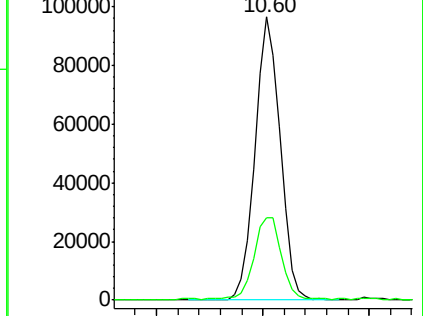
75 100

77 28.4 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.028 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

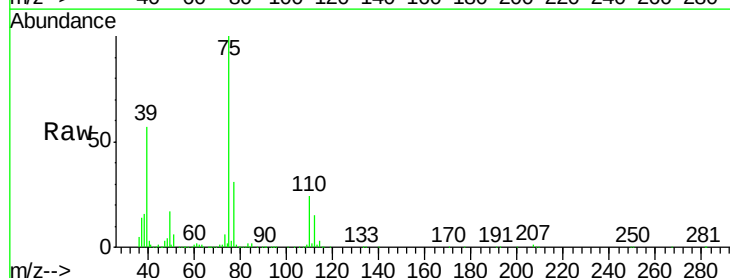
Tgt Ion: 75 Resp: 178538

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

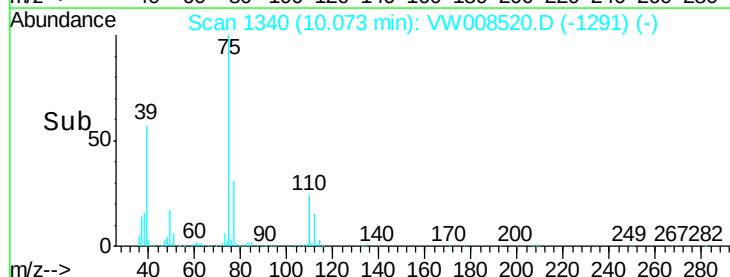
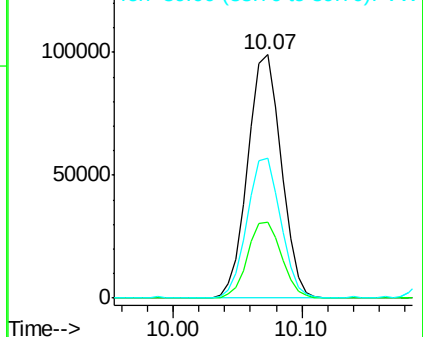
39 57.2 44.9 67.3



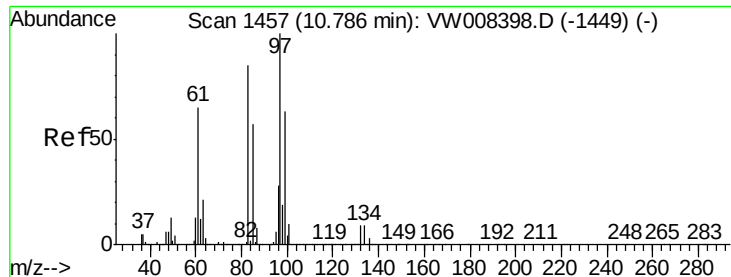
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



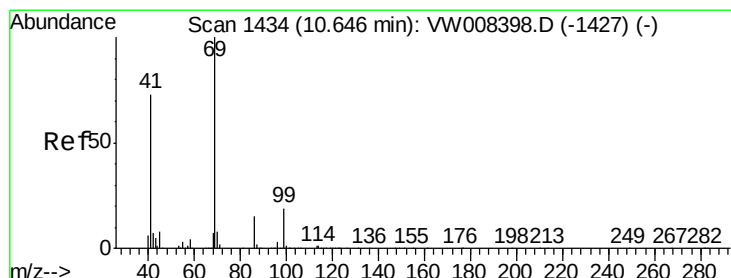
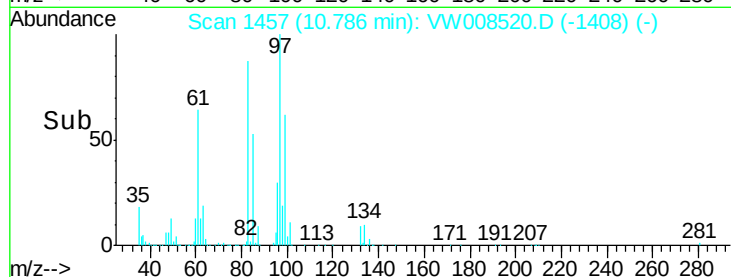
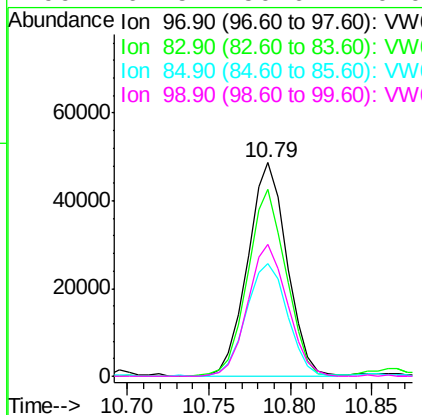
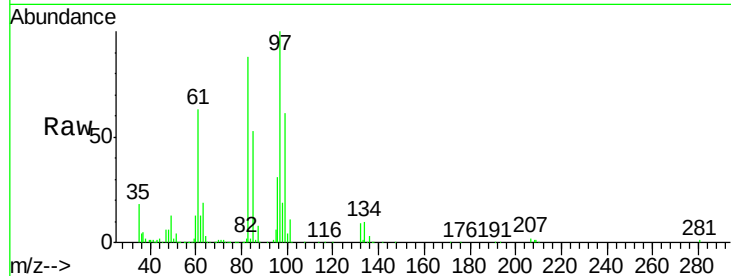




#55  
 1,1,2-Trichloroethane  
 Concen: 20.156 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

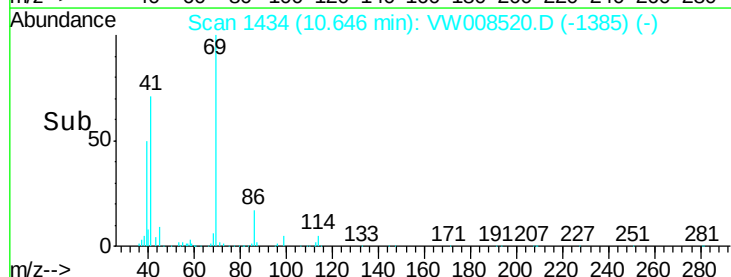
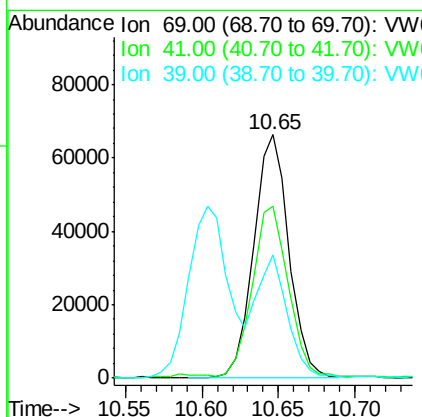
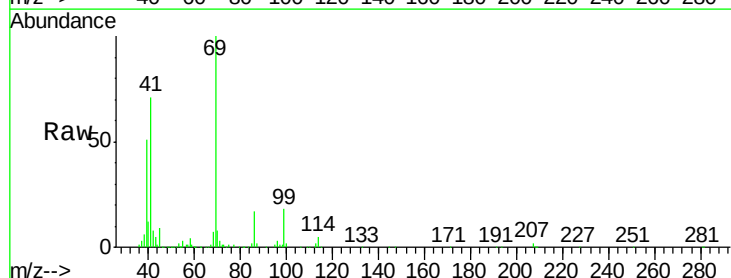
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

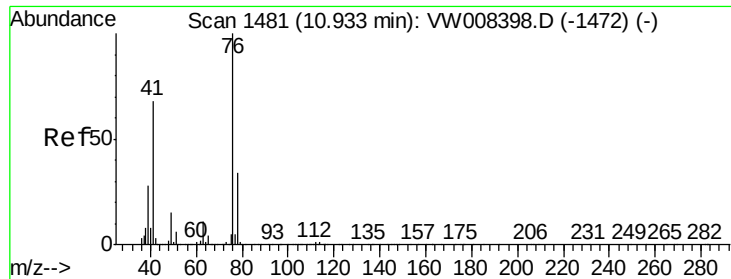
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 82130 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.6  | 68.4  | 102.6 |
| 85       | 52.7  | 45.3  | 67.9  |
| 99       | 61.5  | 50.6  | 76.0  |



#56  
 Ethyl methacrylate  
 Concen: 18.497 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 105610 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 72.2  | 58.7  | 88.1   |
| 39       | 44.0  | 32.6  | 48.8   |





#57

1,3-Dichloropropane

Concen: 20.126 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

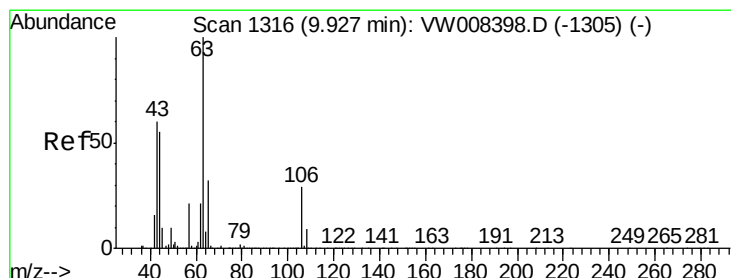
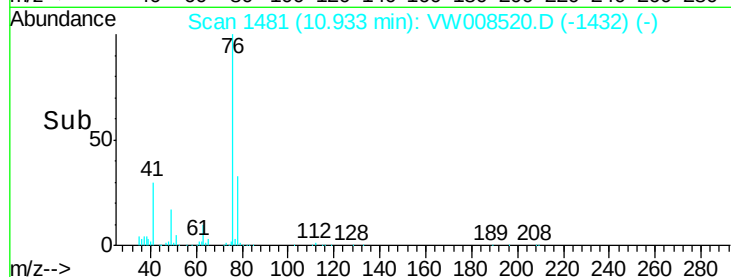
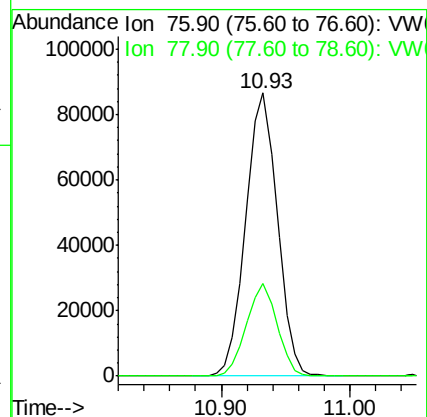
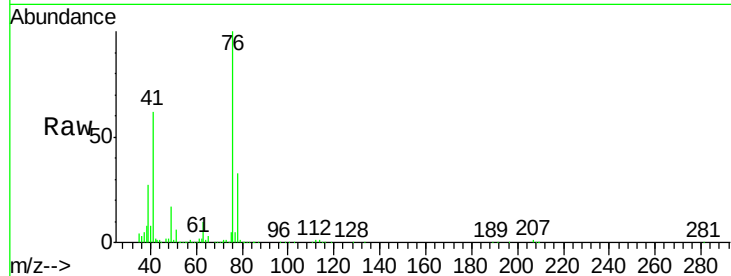
VW0206SBSD01

Tot Ion: 76 Resp: 146920

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 103.441 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008520.D

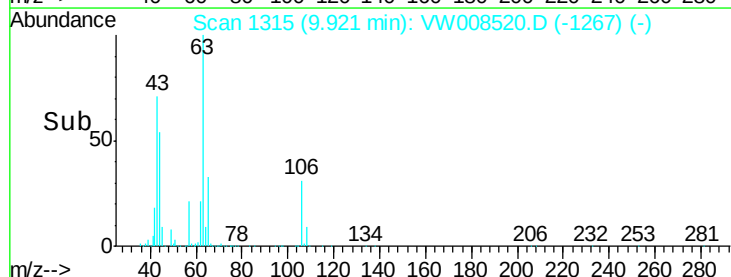
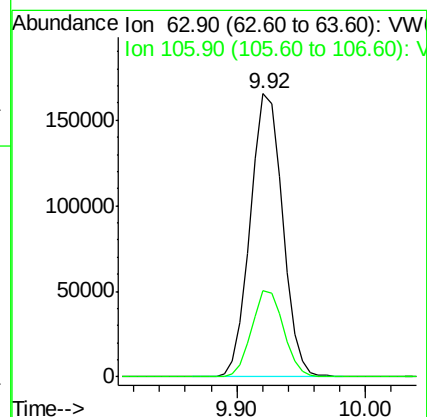
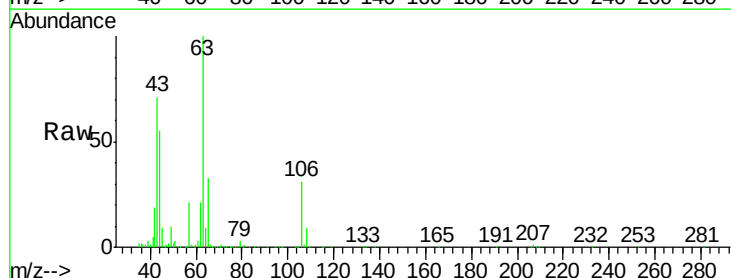
Acq: 06 Feb 2019 11:53

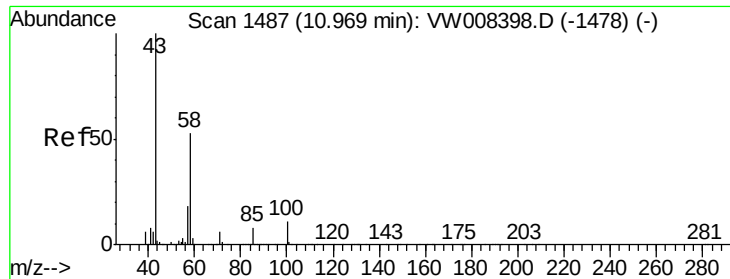
Tgt Ion: 63 Resp: 286961

Ion Ratio Lower Upper

63 100

106 30.0 22.4 33.6

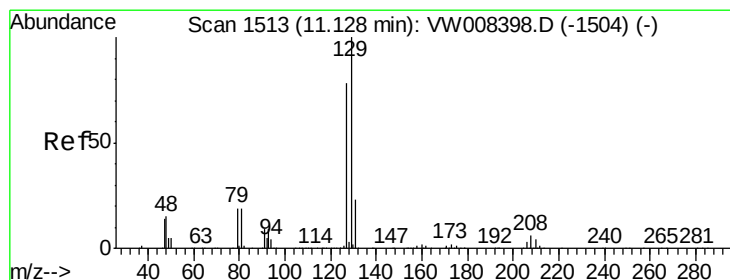
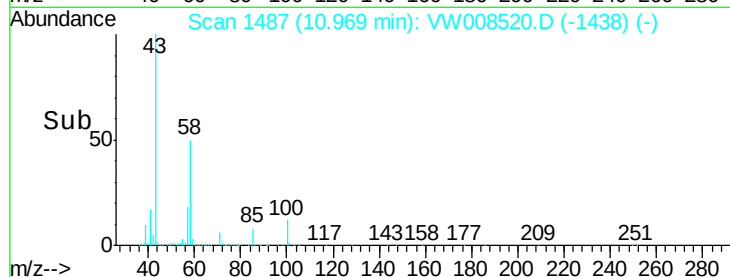
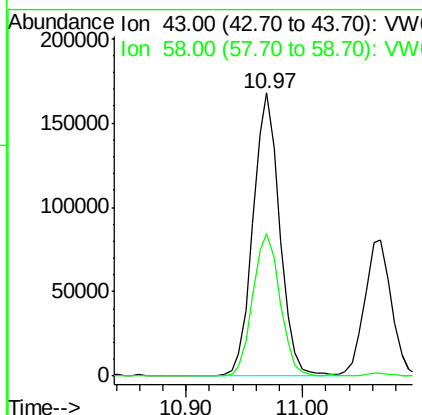
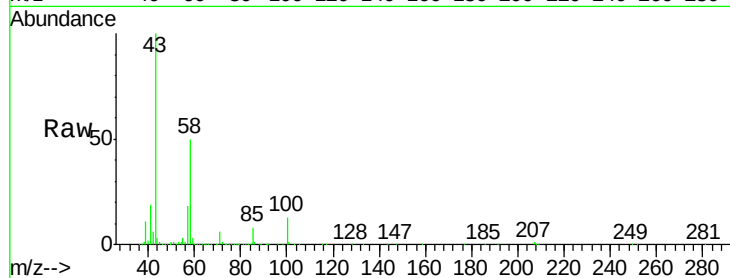




#59  
2-Hexanone  
Concen: 101.085 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

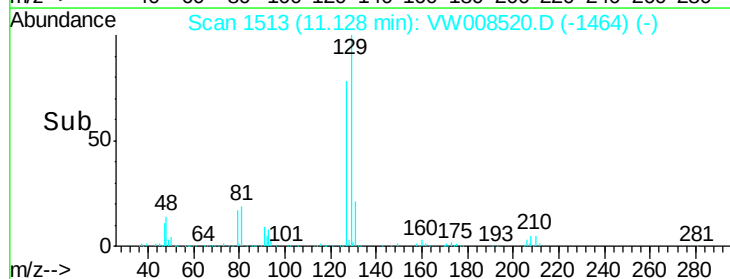
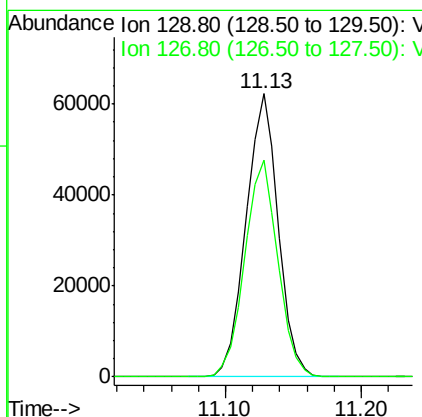
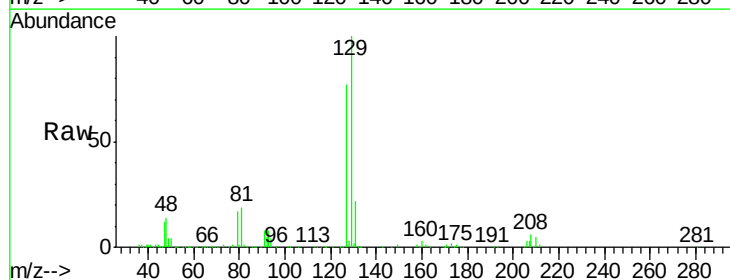
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

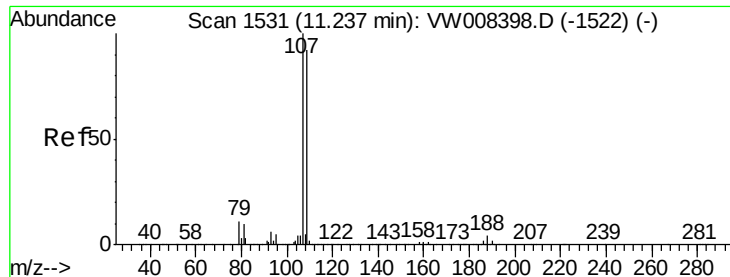
Tot Ion: 43 Resp: 267512  
Ion Ratio Lower Upper  
43 100  
58 51.9 25.9 77.7



#60  
Dibromochloromethane  
Concen: 19.715 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 129 Resp: 103238  
Ion Ratio Lower Upper  
129 100  
127 78.7 39.1 117.2

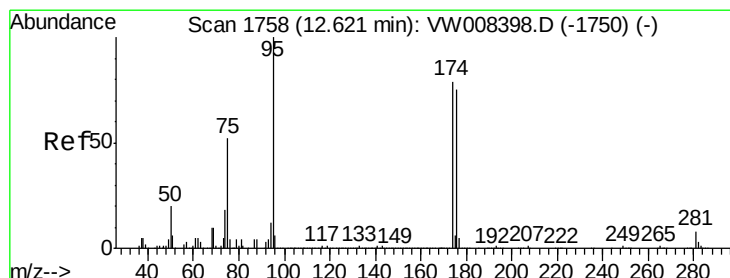
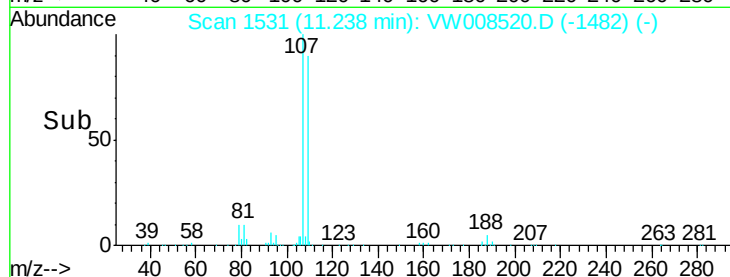
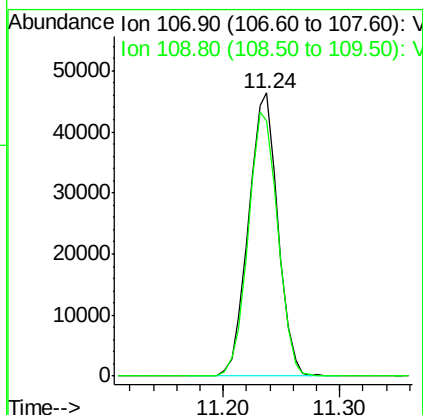
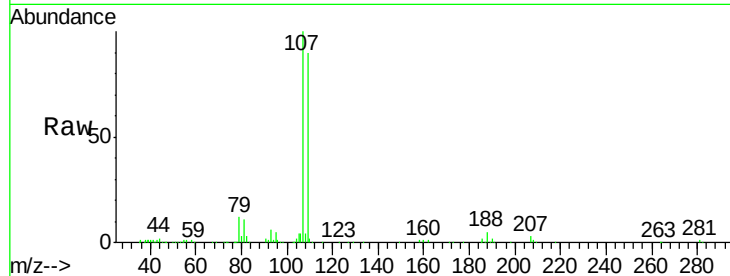




#61  
 1,2-Dibromoethane  
 Concen: 20.105 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

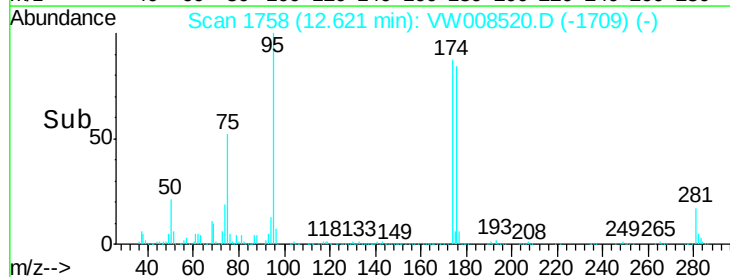
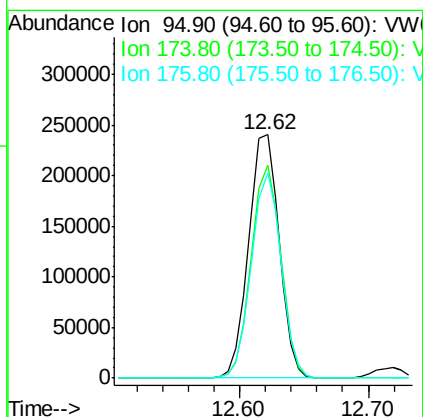
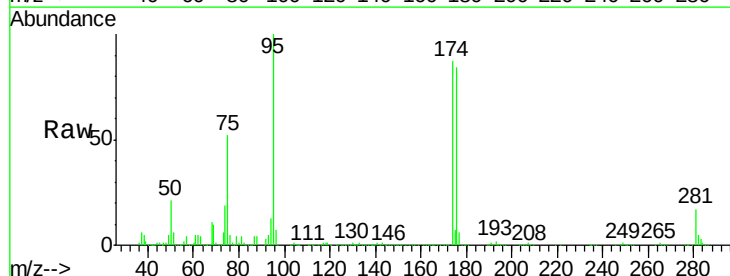
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

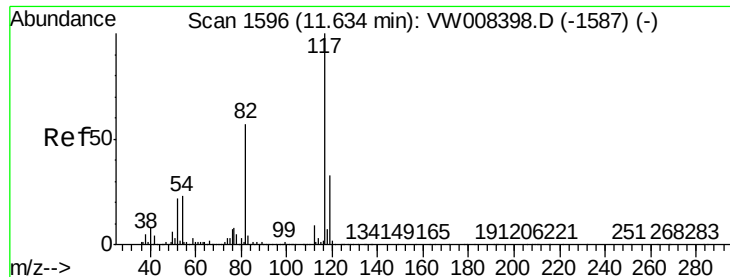
Tot Ion: 107 Resp: 81230  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 75.0 112.4



#62  
 4-Bromofluorobenzene  
 Concen: 49.867 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

Tgt Ion: 95 Resp: 392793  
 Ion Ratio Lower Upper  
 95 100  
 174 85.5 0.0 157.6  
 176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

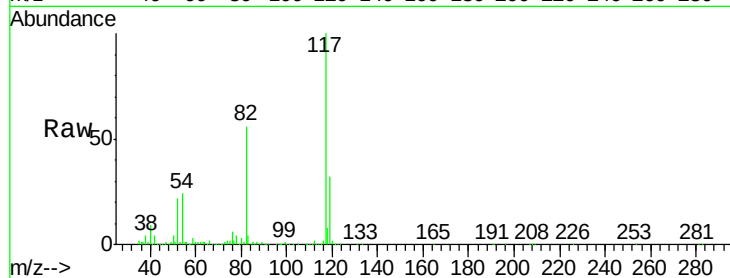
Tot Ion:117 Resp: 779459

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.0

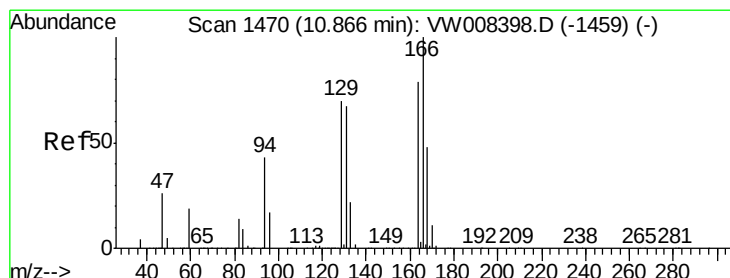
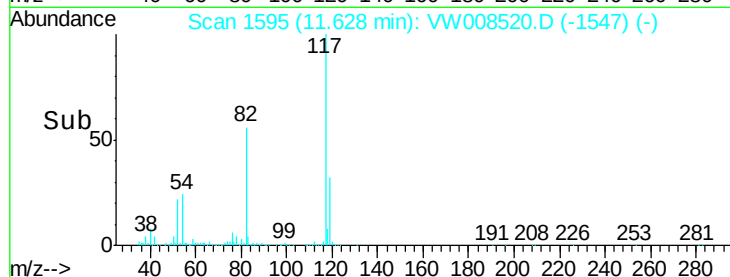
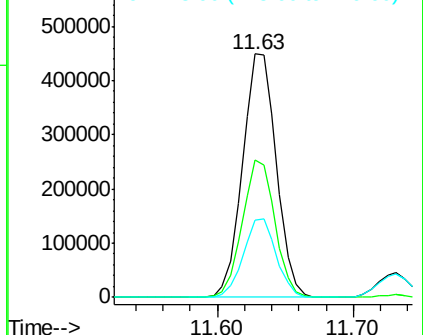
119 31.9 26.2 39.4



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



#64

Tetrachloroethene

Concen: 20.610 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Tgt Ion:164 Resp: 108767

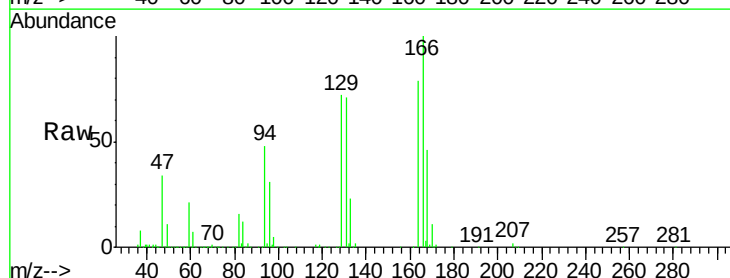
Ion Ratio Lower Upper

164 100

166 126.1 101.4 152.0

129 90.3 71.0 106.6

131 89.5 68.3 102.5

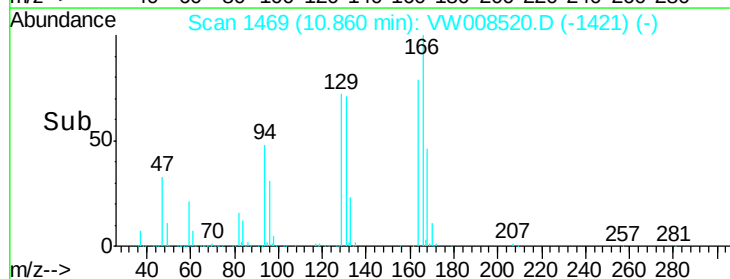
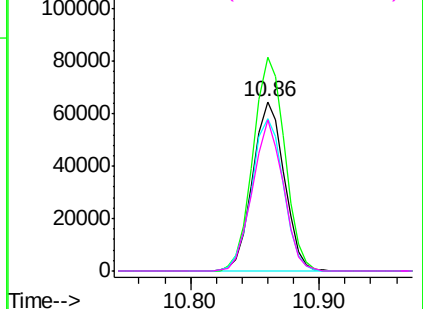


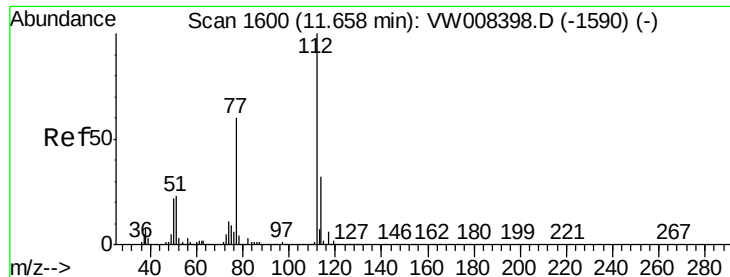
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

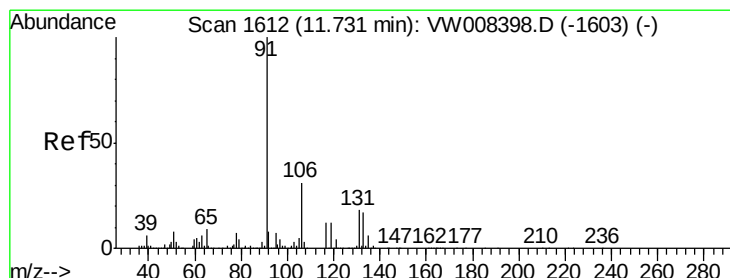
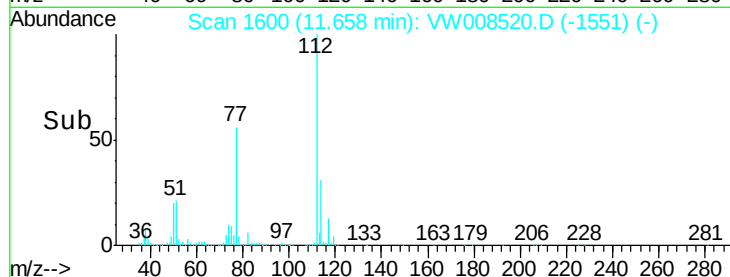
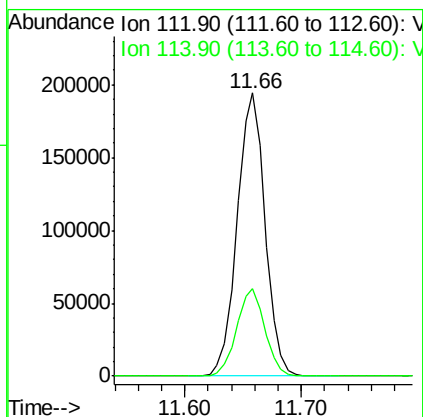
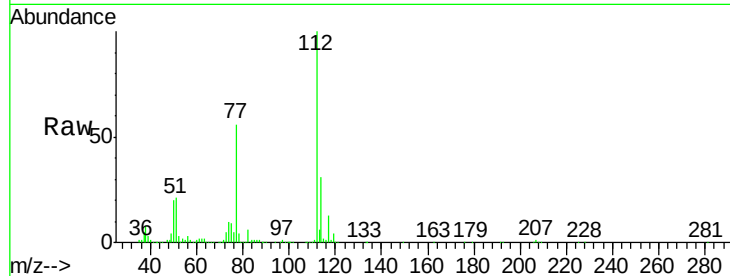




#65  
Chlorobenzene  
Concen: 20.372 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

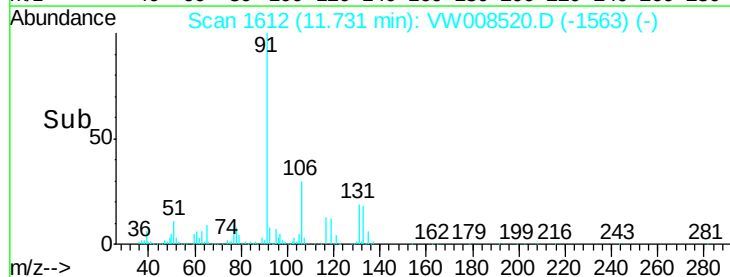
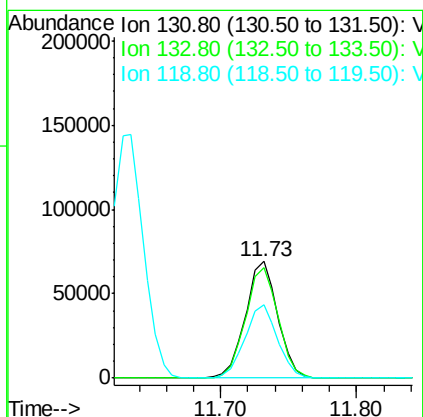
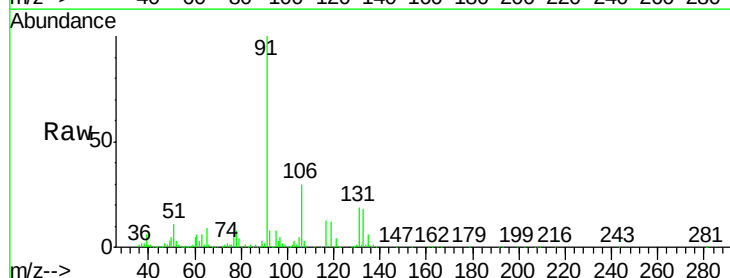
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

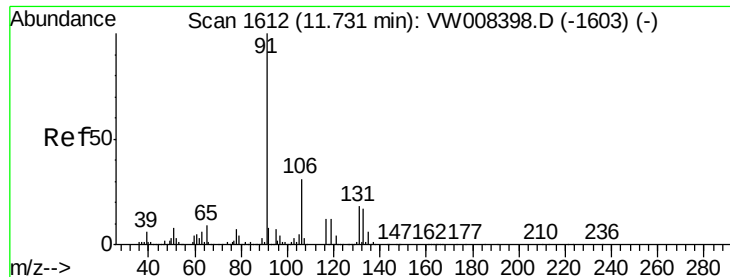
Tot Ion:112 Resp: 324155  
Ion Ratio Lower Upper  
112 100  
114 30.9 25.4 38.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.144 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion:131 Resp: 114674  
Ion Ratio Lower Upper  
131 100  
133 96.7 47.0 141.2  
119 63.7 32.1 96.3

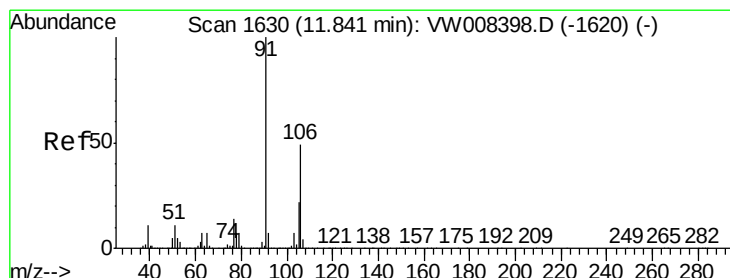
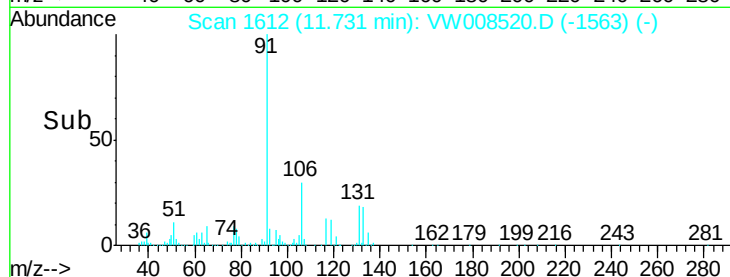
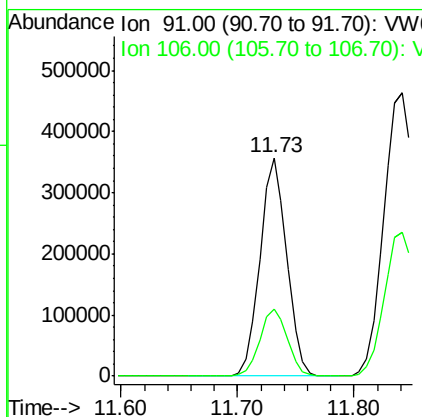
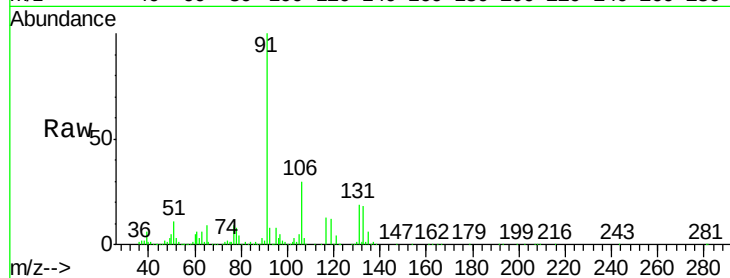




#67  
Ethyl Benzene  
Concen: 19.387 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

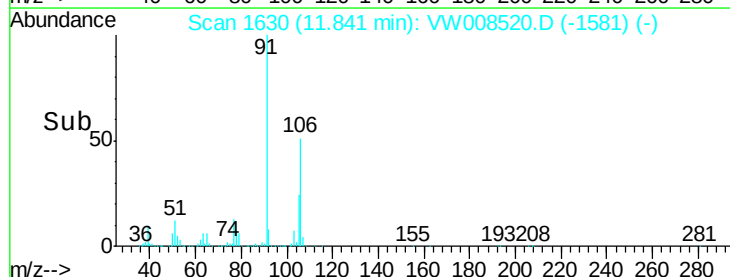
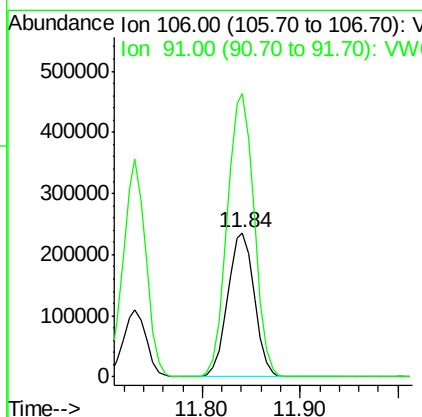
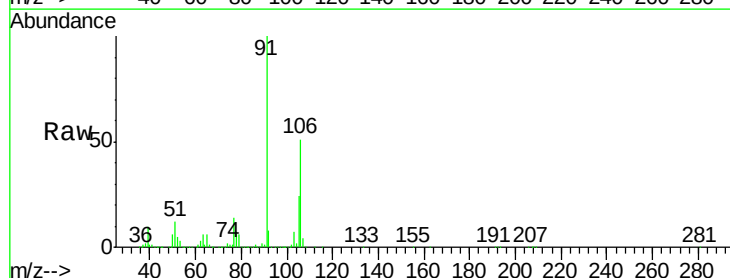
Instrument :  
MSVOA\_W  
ClientSampled :  
VW0206SBSD01

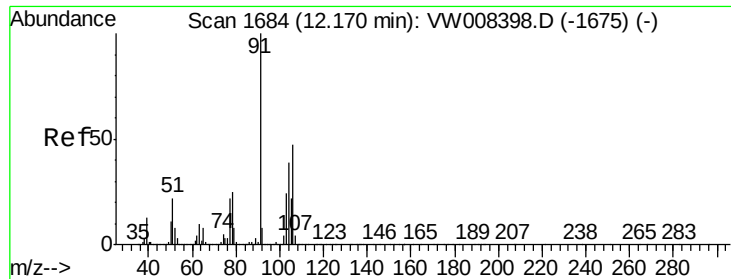
Tot Ion: 91 Resp: 567023  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.7 37.1



#68  
m/p-Xylenes  
Concen: 38.953 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 106 Resp: 442040  
Ion Ratio Lower Upper  
106 100  
91 199.4 162.9 244.3

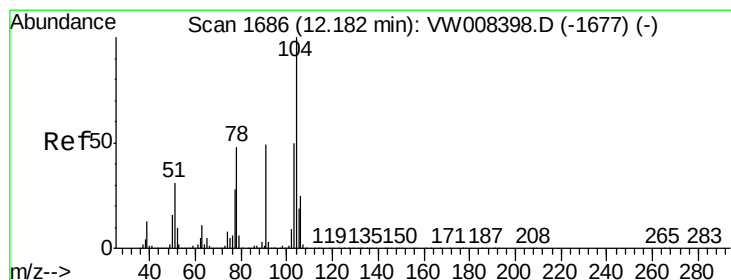
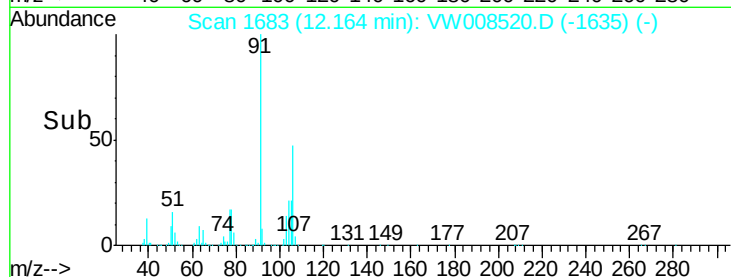
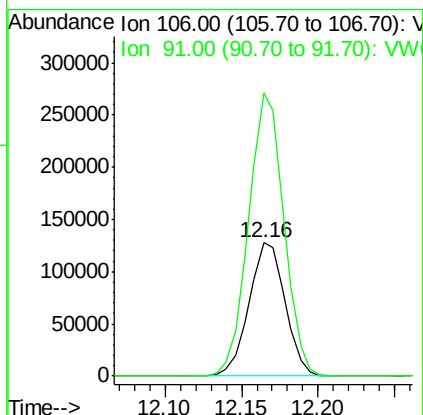
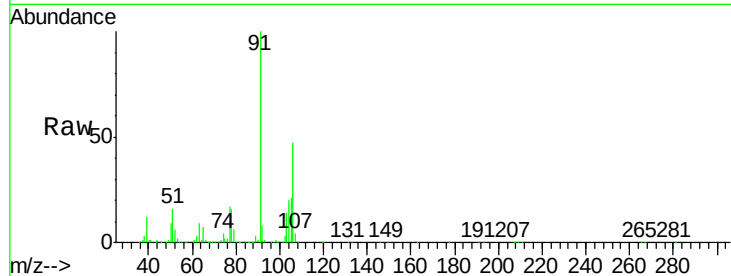




#69  
o-Xylene  
Concen: 19.425 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

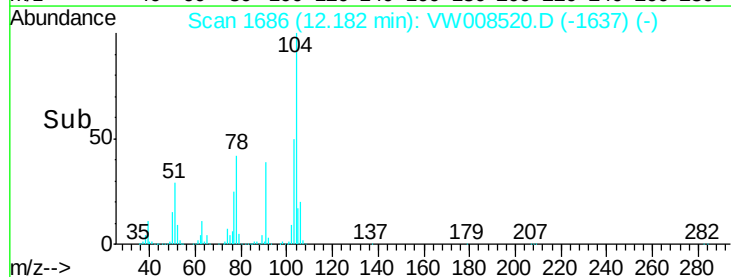
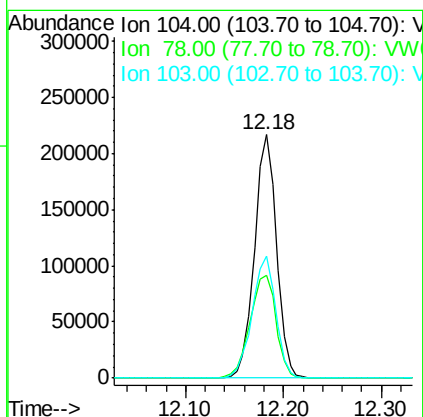
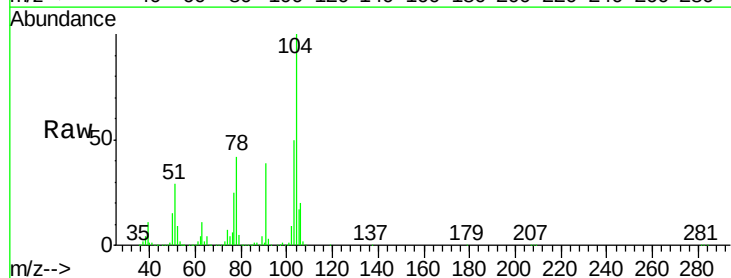
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

Tot Ion:106 Resp: 209449  
Ion Ratio Lower Upper  
106 100  
91 208.4 107.5 322.4

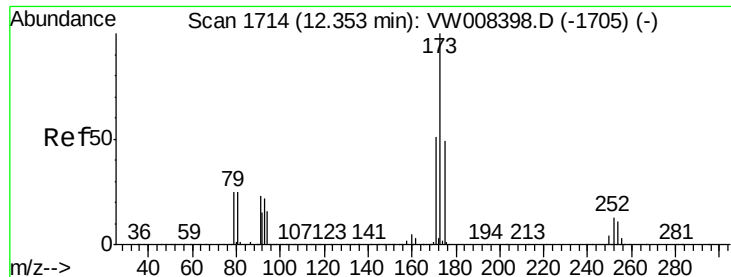


#70  
Styrene  
Concen: 19.085 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion:104 Resp: 339905  
Ion Ratio Lower Upper  
104 100  
78 49.9 42.4 63.6  
103 53.9 43.4 65.0







#71

Bromoform

Concen: 19.429 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

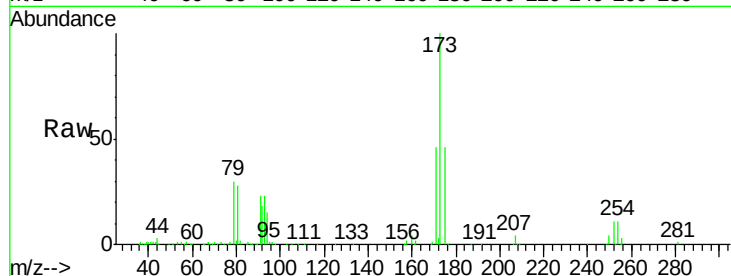
Tot Ion:173 Resp: 62233

Ion Ratio Lower Upper

173 100

175 48.1 24.4 73.4

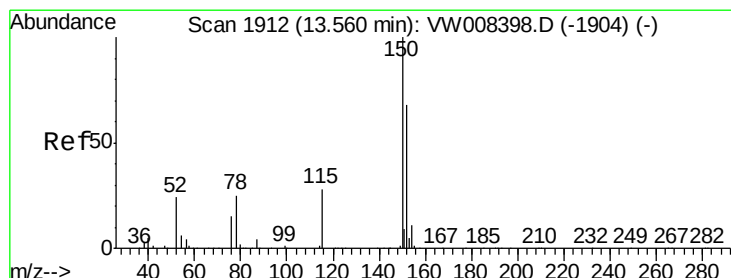
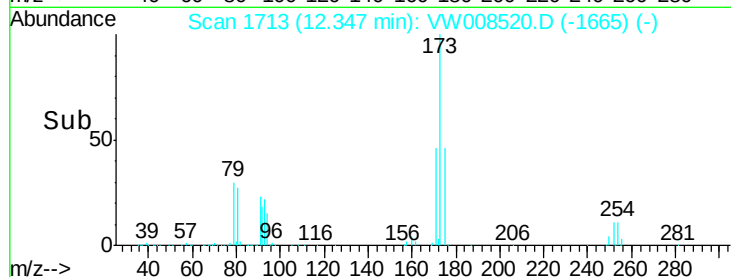
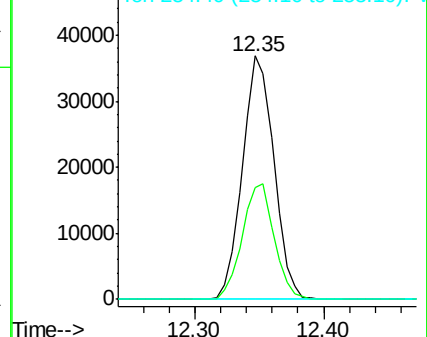
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VW008520.D

Acq: 06 Feb 2019 11:53

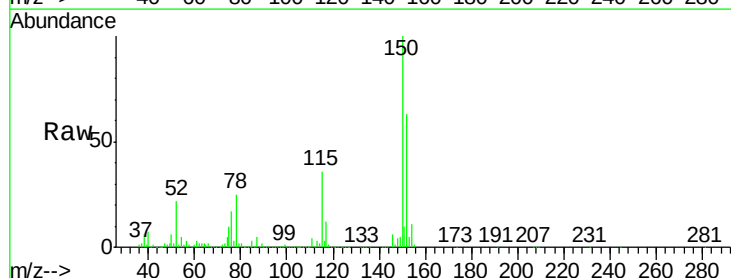
Tgt Ion:152 Resp: 404944

Ion Ratio Lower Upper

152 100

115 57.3 29.9 89.7

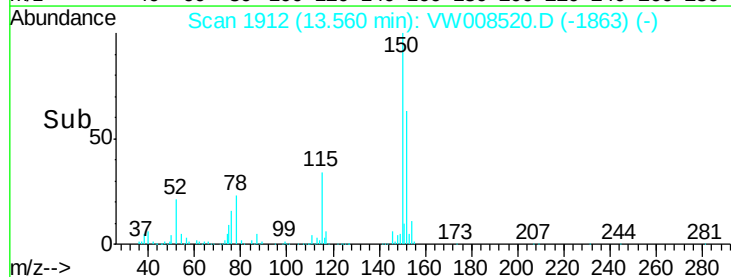
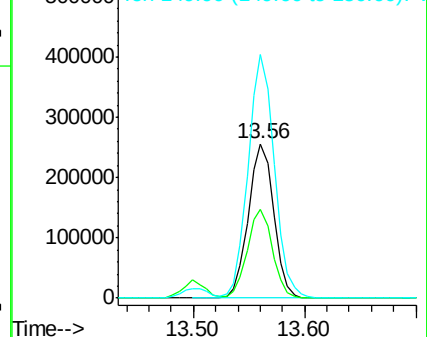
150 163.1 0.0 351.4

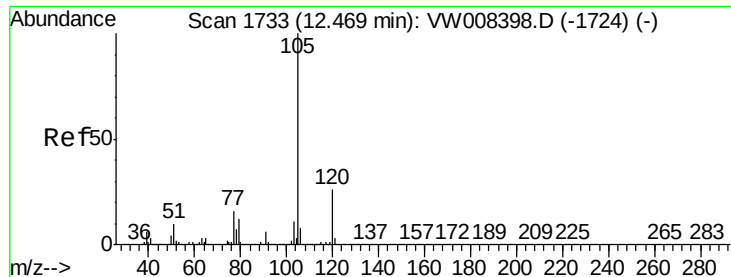


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.321 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

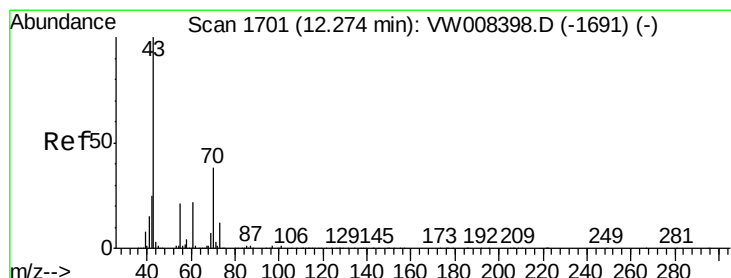
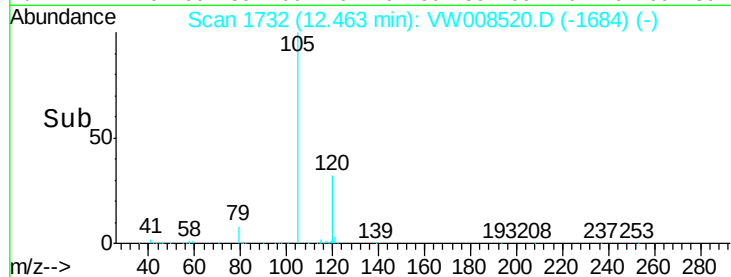
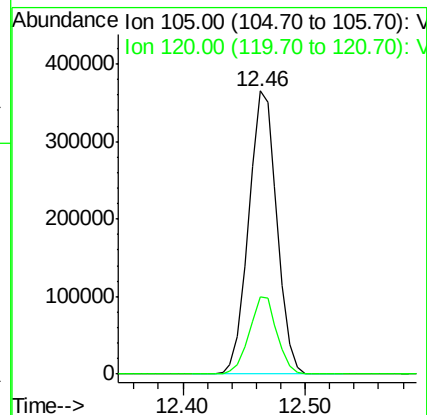
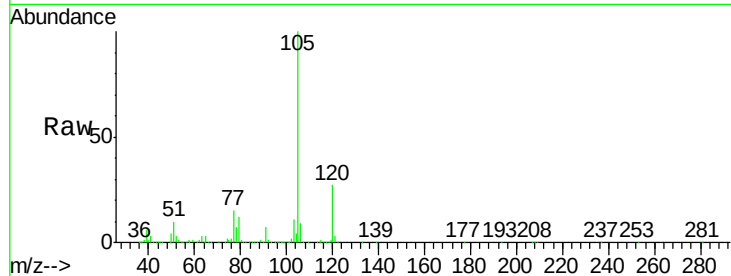
VW0206SBSD01

Tot Ion:105 Resp: 583287

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 18.893 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Tgt Ion: 43 Resp: 146938

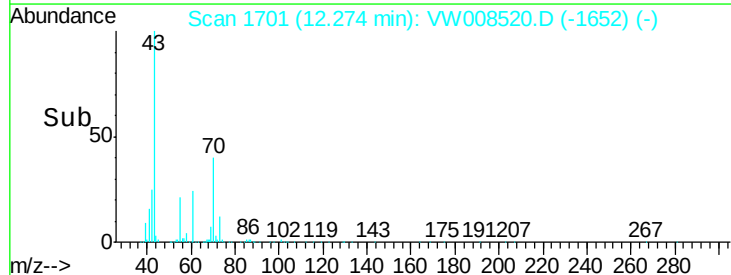
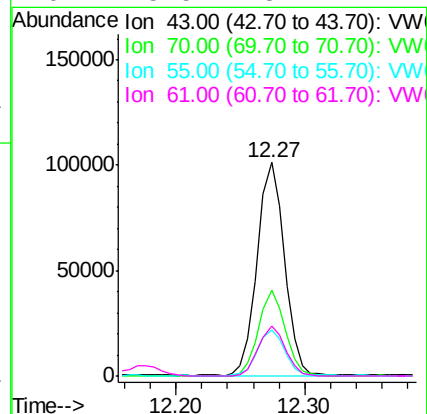
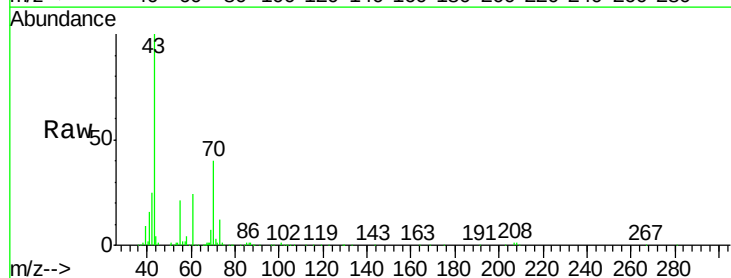
Ion Ratio Lower Upper

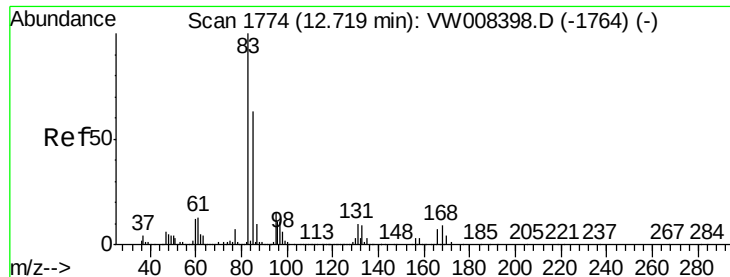
43 100

70 39.7 31.0 46.6

55 21.8 17.4 26.2

61 23.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.148 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

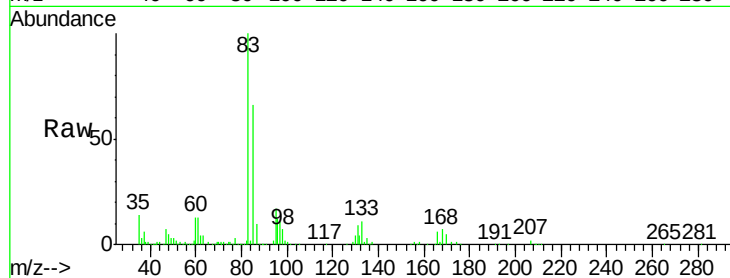
Tot Ion: 83 Resp: 96298

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

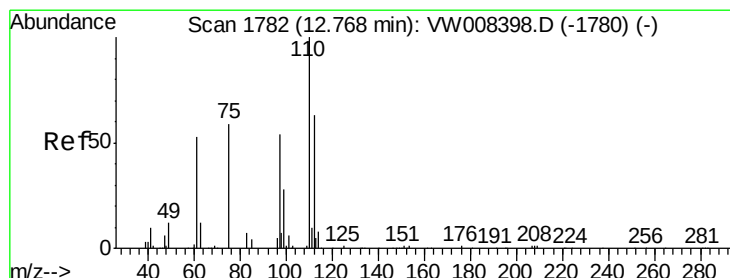
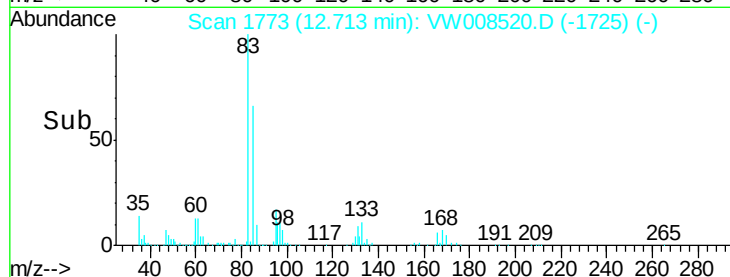
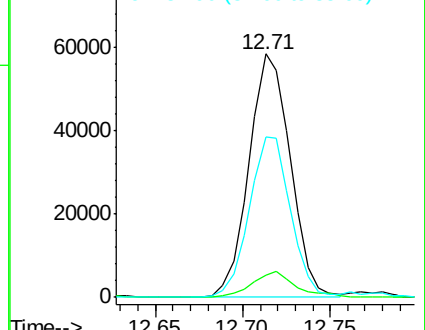
85 66.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.062 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008520.D

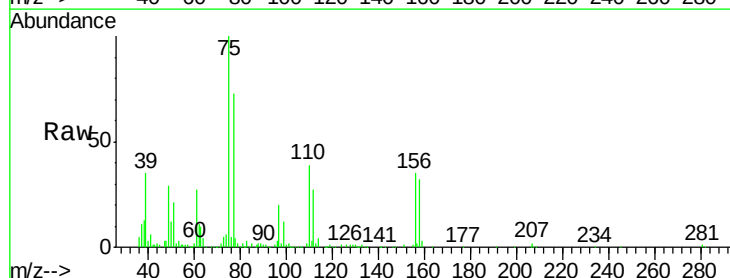
Acq: 06 Feb 2019 11:53

Tgt Ion: 75 Resp: 67111

Ion Ratio Lower Upper

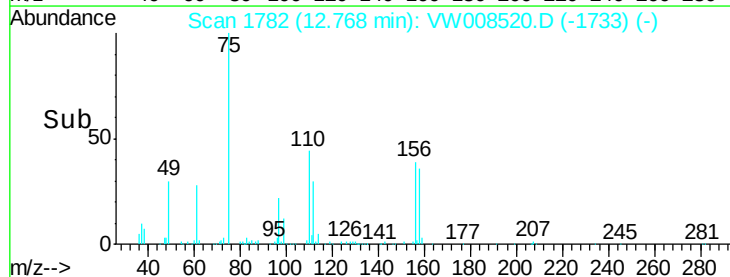
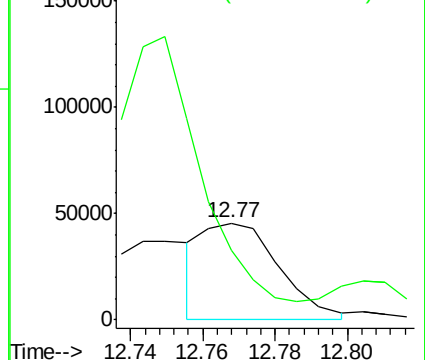
75 100

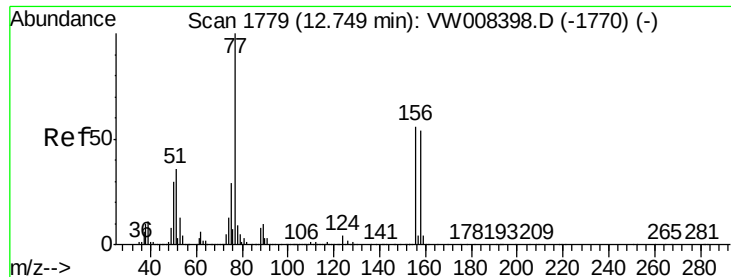
77 361.3 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.267 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampled :

VW0206SBSD01

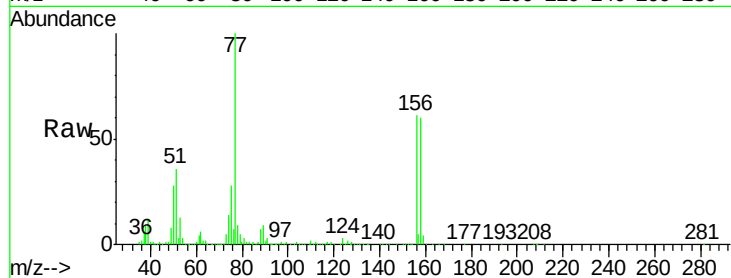
Tot Ion:156 Resp: 133625

Ion Ratio Lower Upper

156 100

77 181.4 96.9 290.7

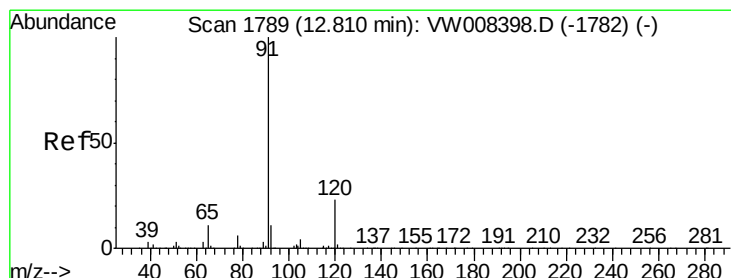
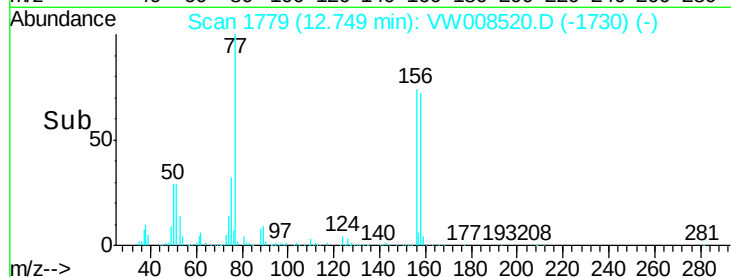
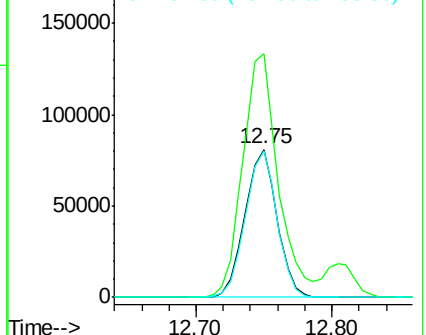
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.854 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008520.D

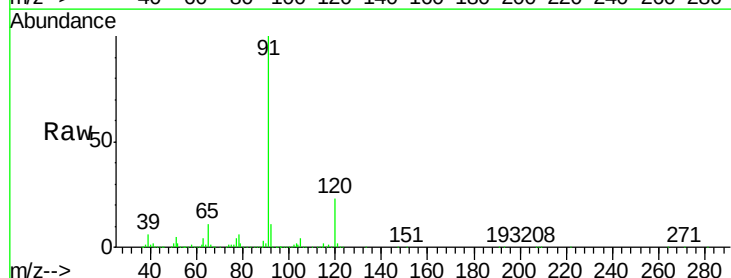
Acq: 06 Feb 2019 11:53

Tgt Ion: 91 Resp: 683652

Ion Ratio Lower Upper

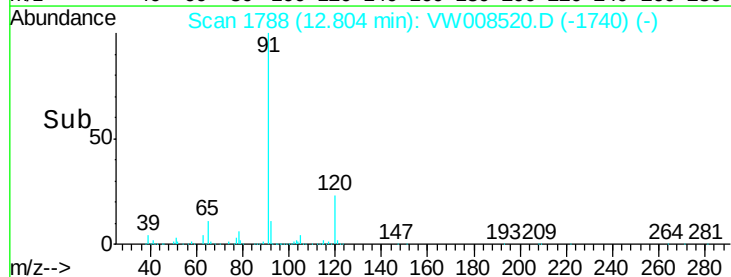
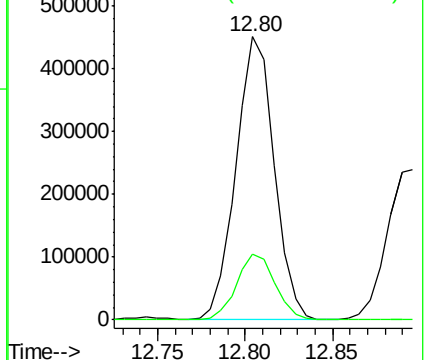
91 100

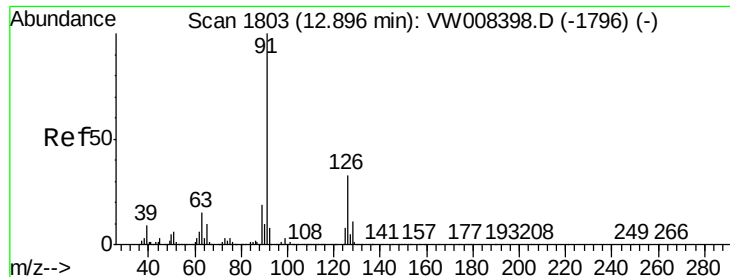
120 23.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.237 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

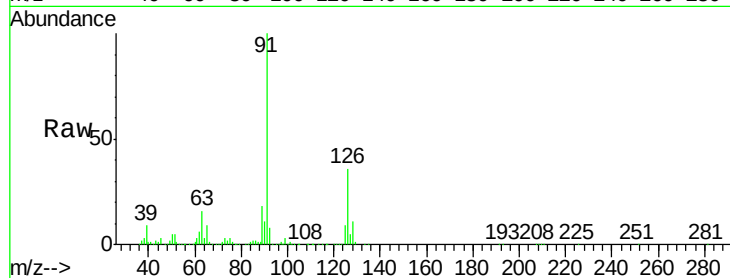
VW0206SBSD01

Tot Ion: 91 Resp: 393618

Ion Ratio Lower Upper

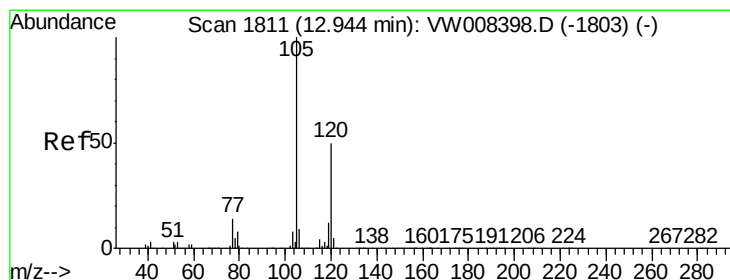
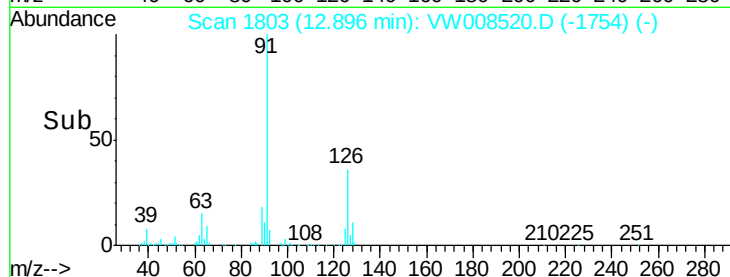
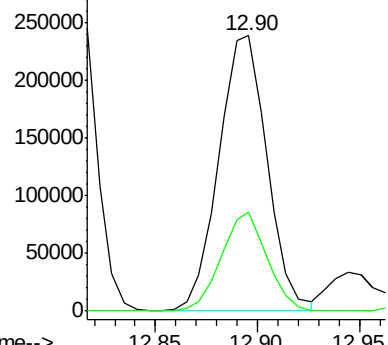
91 100

126 34.0 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.644 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008520.D

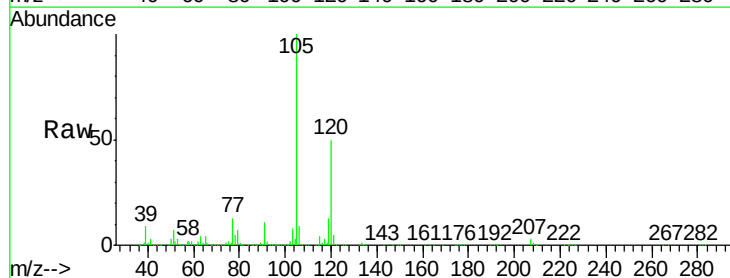
Acq: 06 Feb 2019 11:53

Tgt Ion:105 Resp: 470448

Ion Ratio Lower Upper

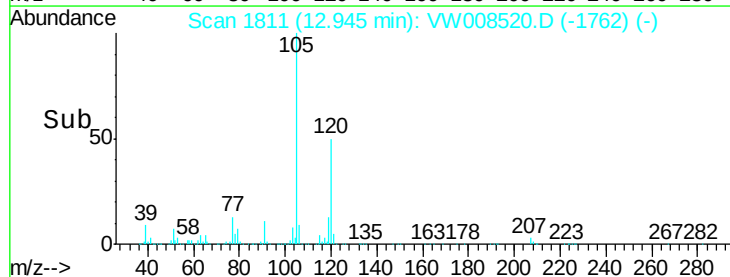
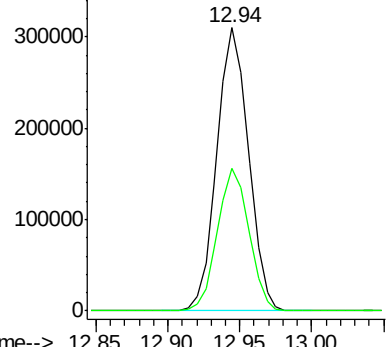
105 100

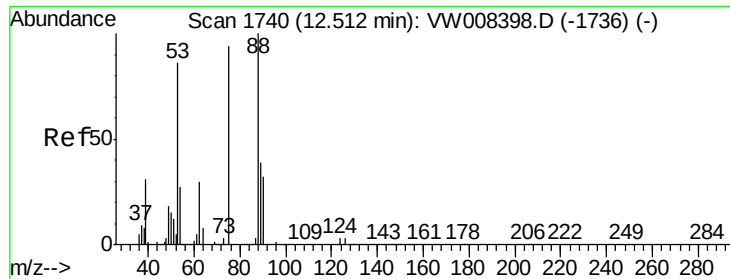
120 50.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

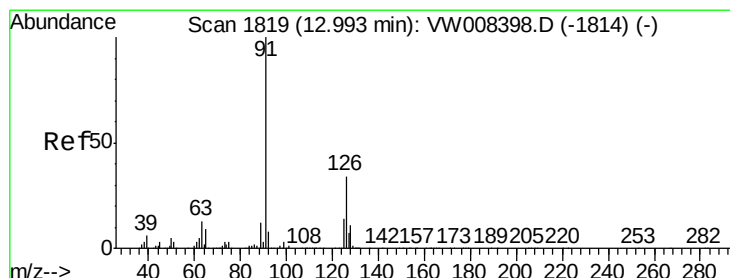
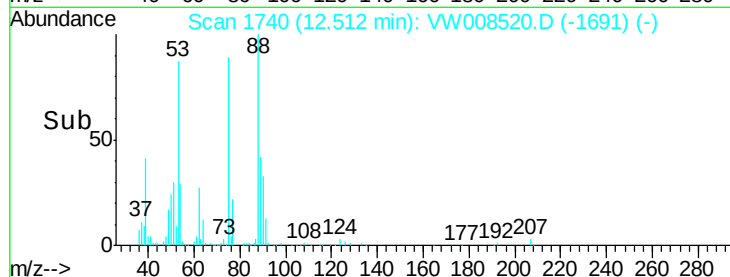
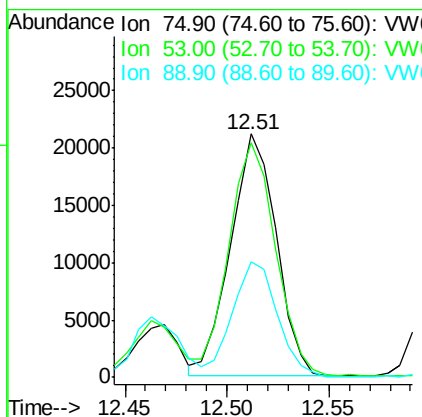
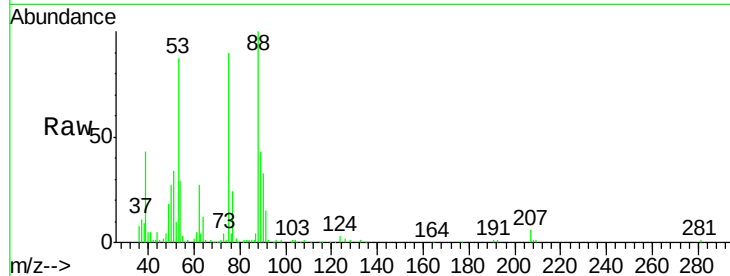




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.420 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

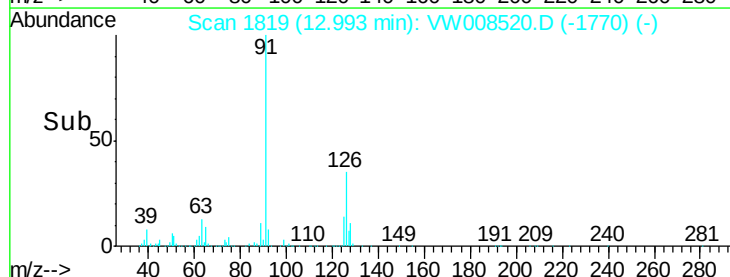
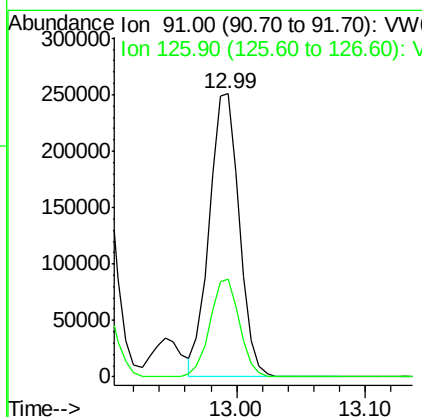
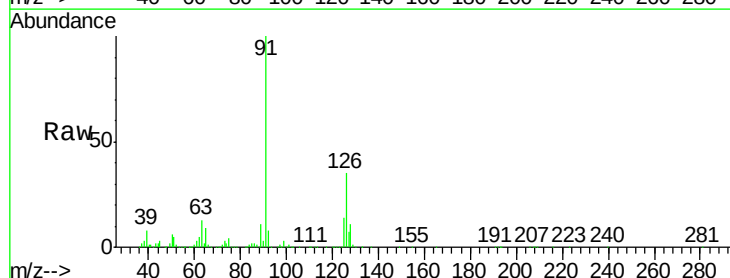
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

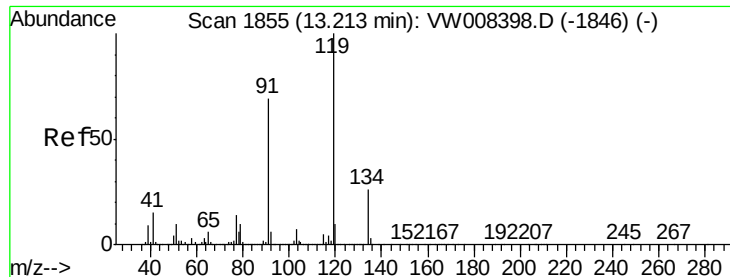
Tot Ion: 75 Resp: 32835  
Ion Ratio Lower Upper  
75 100  
53 100.3 76.0 114.0  
89 47.2 35.4 53.0



#82  
4-Chlorotoluene  
Concen: 18.725 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 91 Resp: 407921  
Ion Ratio Lower Upper  
91 100  
126 34.3 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.851 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

VW0206SBSD01

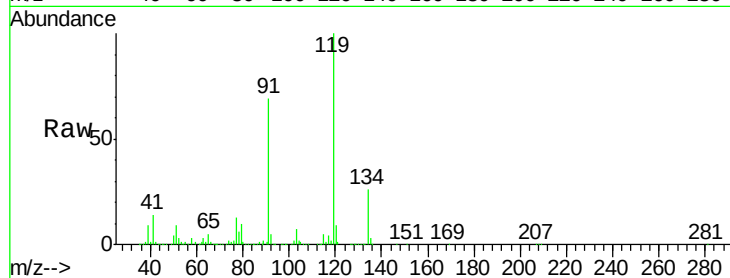
Tot Ion:119 Resp: 423292

Ion Ratio Lower Upper

119 100

91 66.0 33.8 101.4

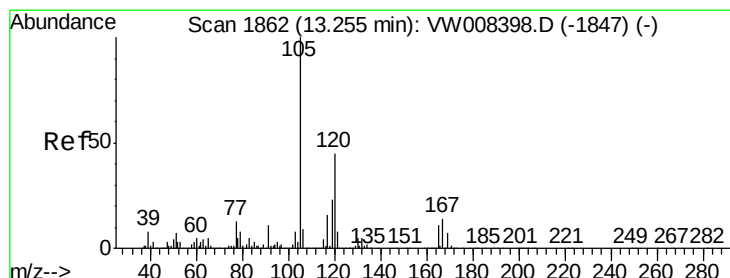
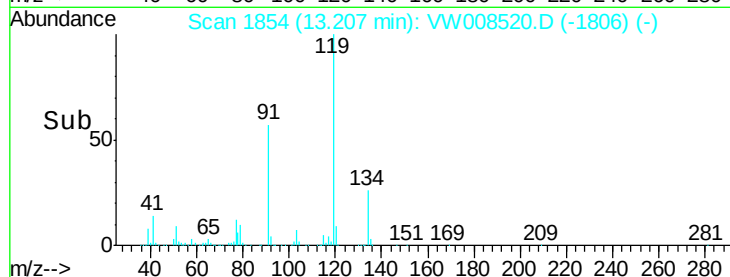
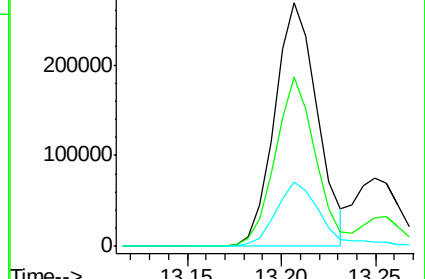
134 27.9 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.940 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008520.D

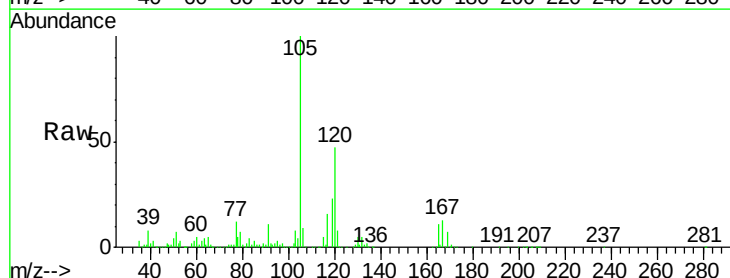
Acq: 06 Feb 2019 11:53

Tgt Ion:105 Resp: 485762

Ion Ratio Lower Upper

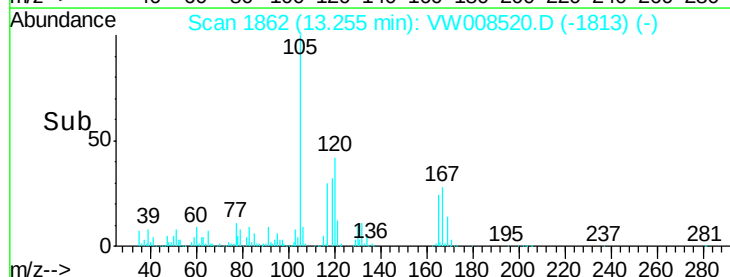
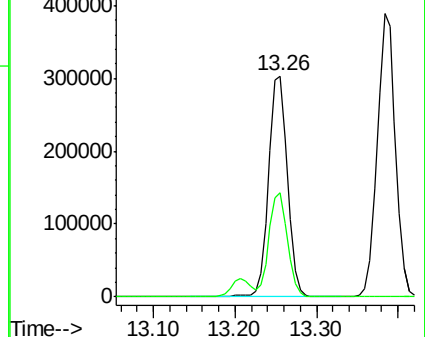
105 100

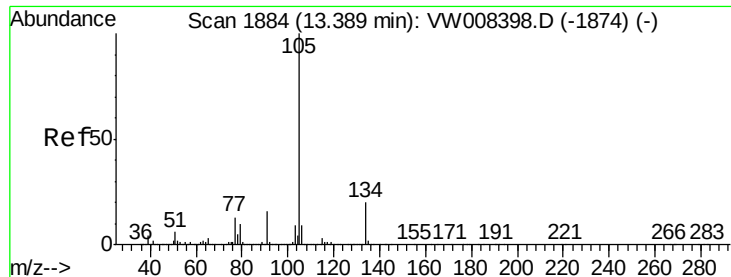
120 46.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.907 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

Instrument :

MSVOA\_W

ClientSampleId :

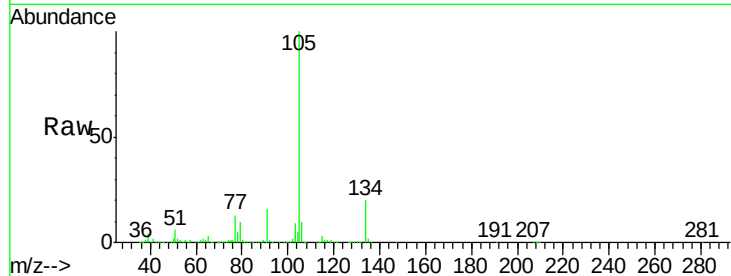
VW0206SBSD01

Tot Ion:105 Resp: 606321

Ion Ratio Lower Upper

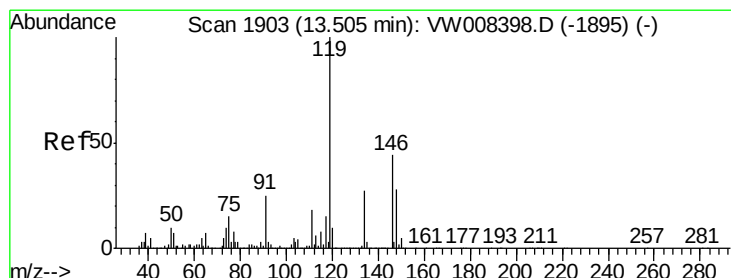
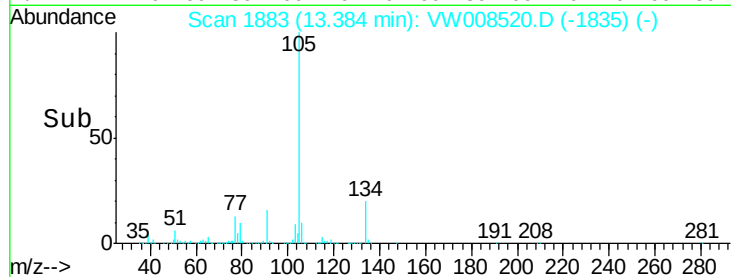
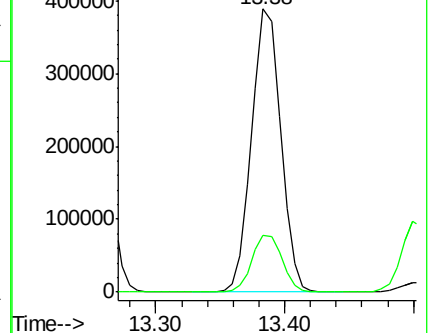
105 100

134 20.9 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.467 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008520.D

Acq: 06 Feb 2019 11:53

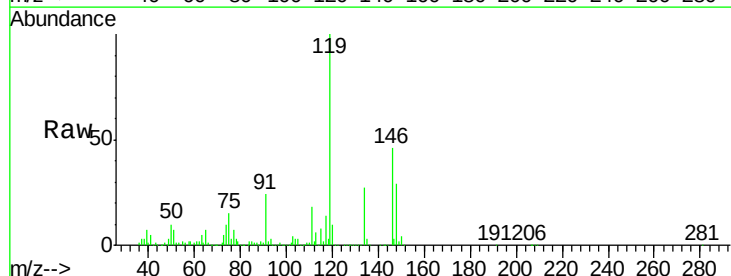
Tgt Ion:119 Resp: 546827

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

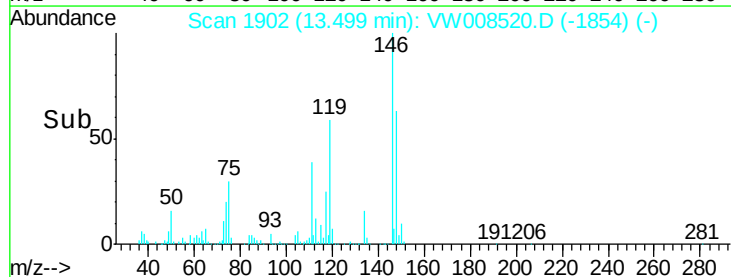
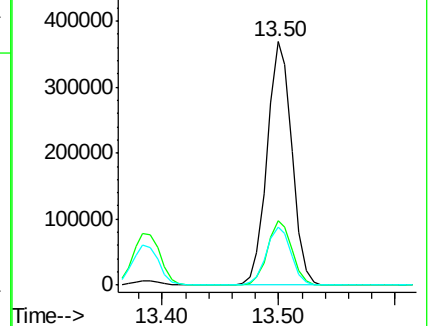
91 23.9 12.6 37.6



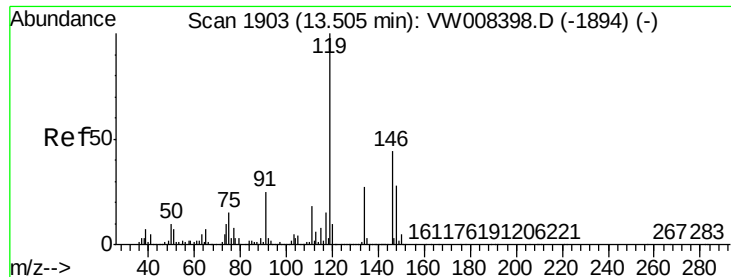
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



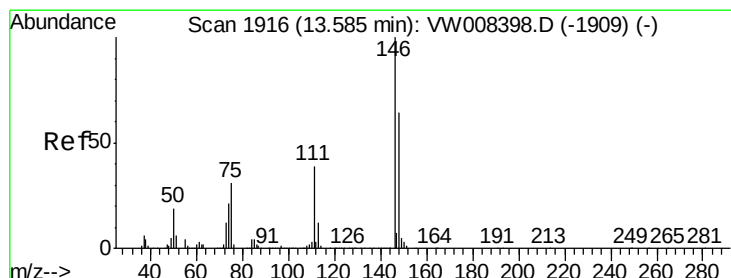
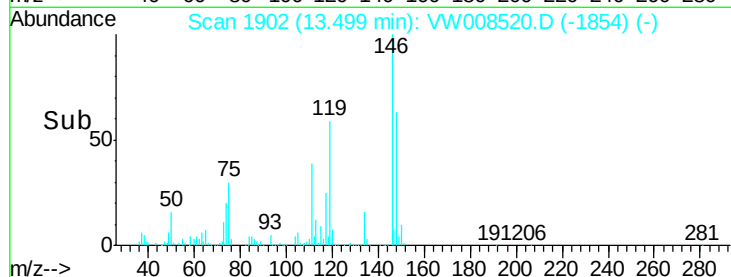
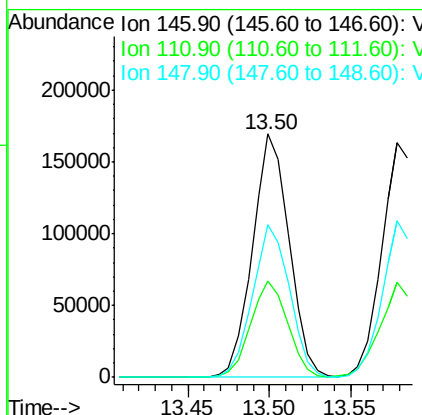
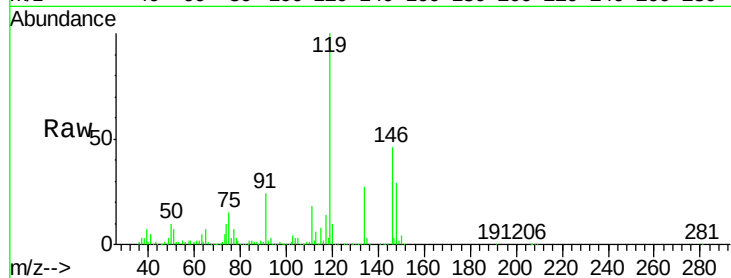




#87  
 1,3-Dichlorobenzene  
 Concen: 19.885 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.01 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

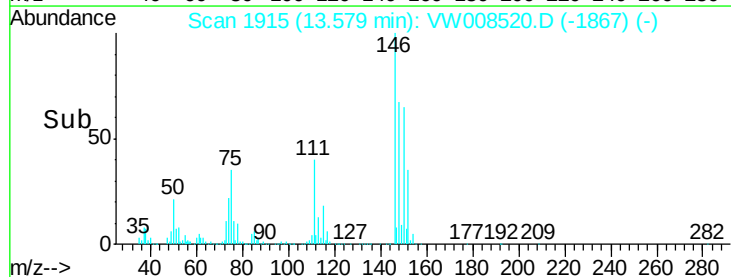
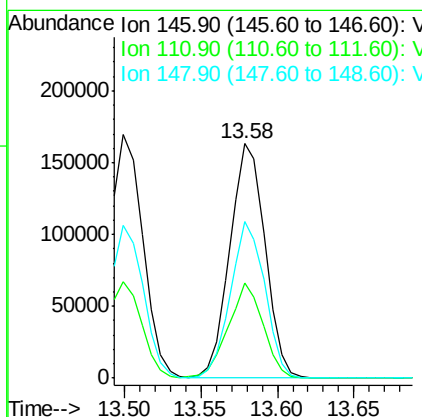
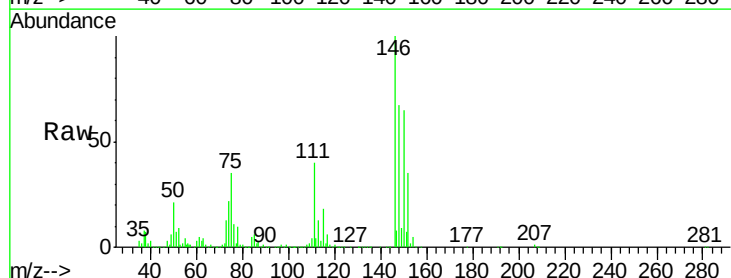
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

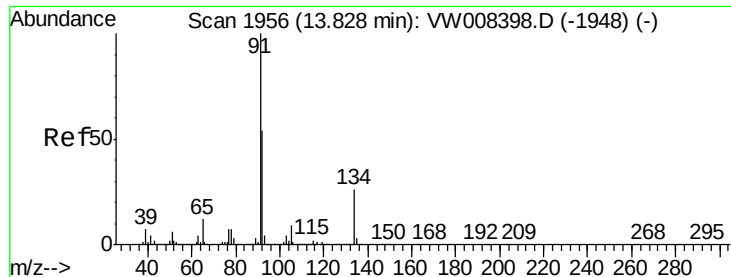
Tot Ion:146 Resp: 264774  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 20.3 60.9  
 148 63.4 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 19.706 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.01 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

Tgt Ion:146 Resp: 260768  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.0 60.0  
 148 65.2 32.0 96.2

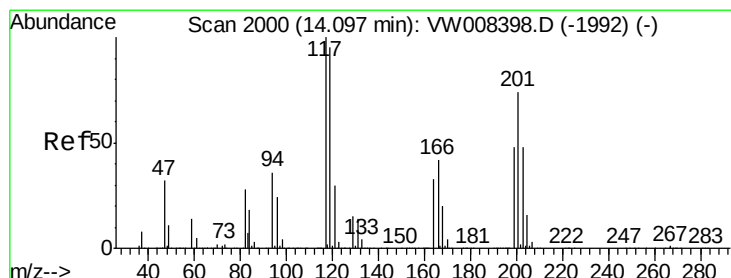
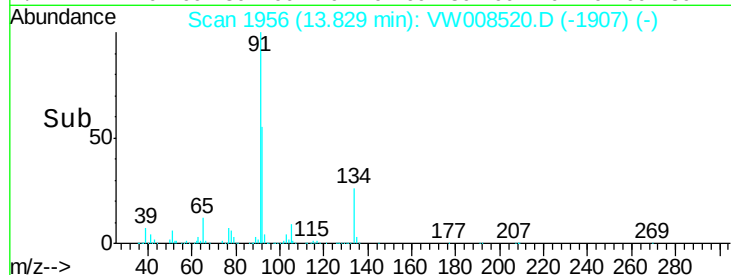
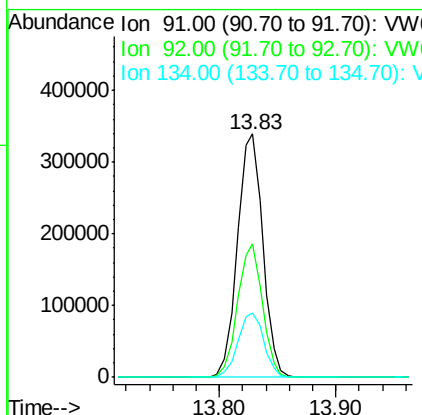
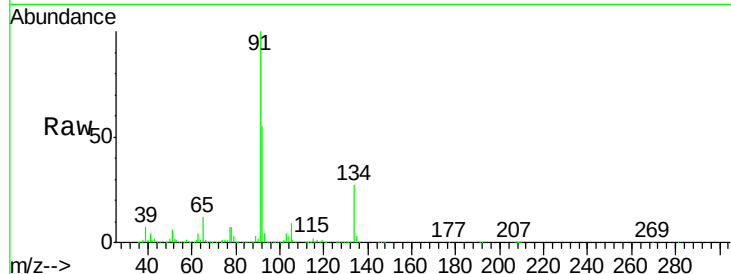




#89  
n-Butylbenzene  
Concen: 18.688 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

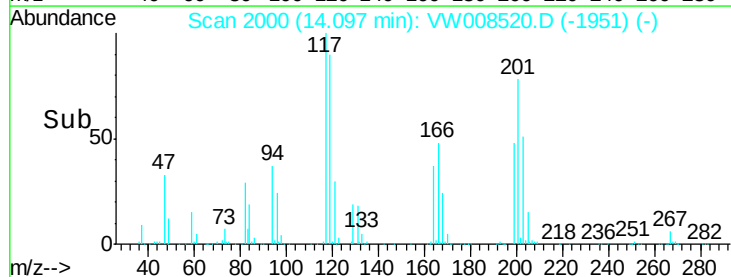
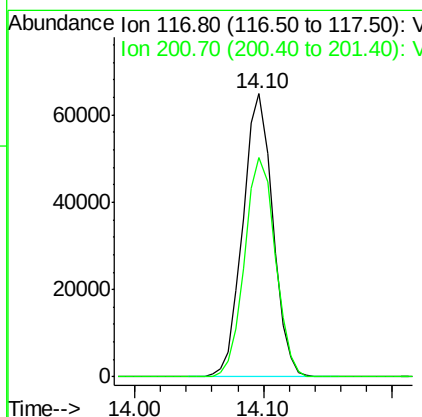
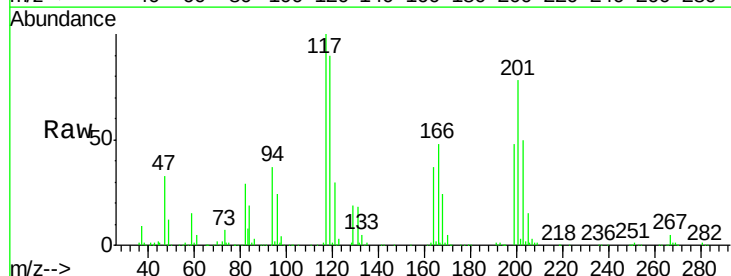
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

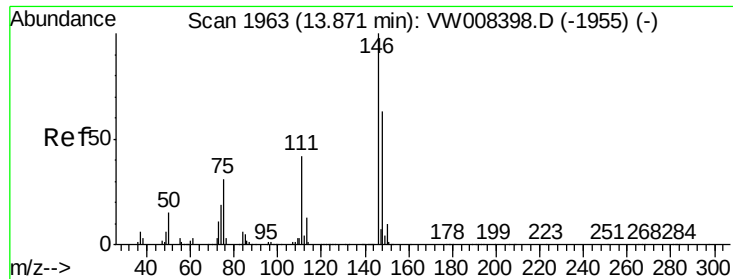
Tot Ion: 91 Resp: 515430  
Ion Ratio Lower Upper  
91 100  
92 53.6 27.4 82.2  
134 27.1 13.0 39.0



#90  
Hexachloroethane  
Concen: 18.931 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion: 117 Resp: 103995  
Ion Ratio Lower Upper  
117 100  
201 79.2 39.1 117.5

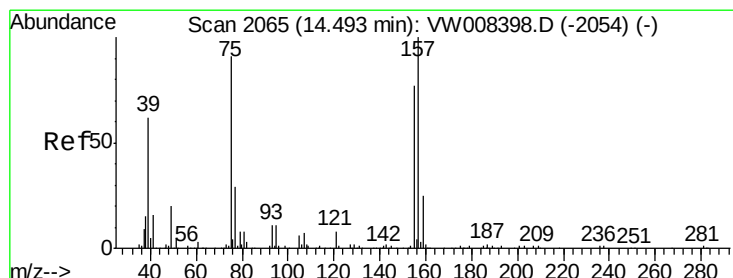
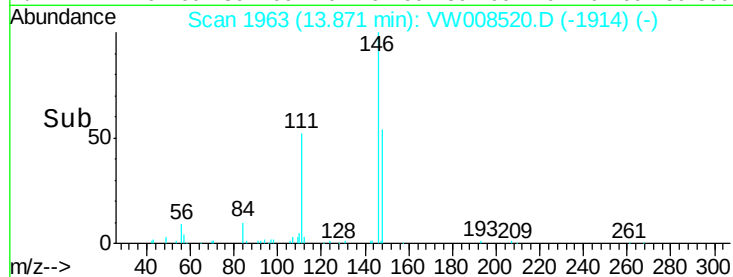
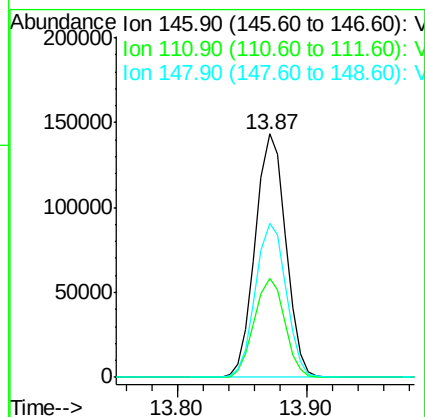
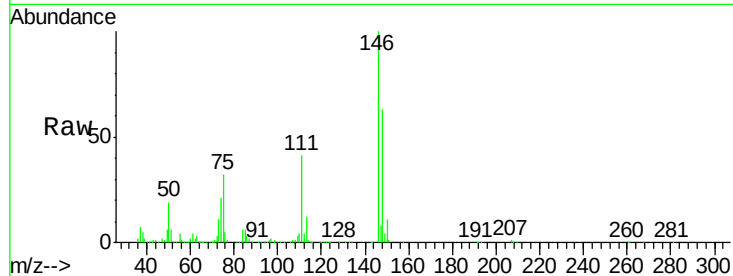




#91  
 1,2-Dichlorobenzene  
 Concen: 19.924 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

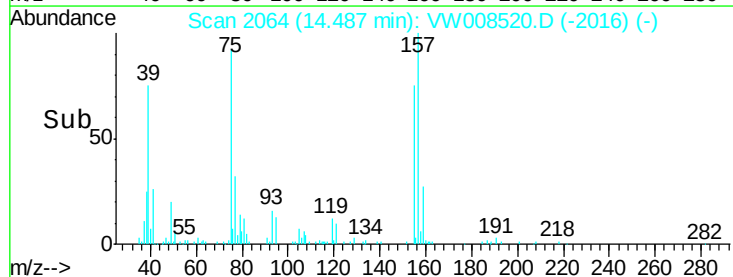
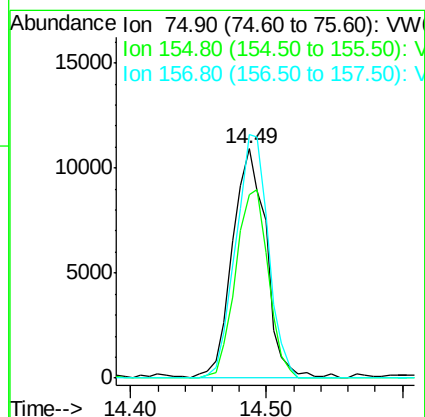
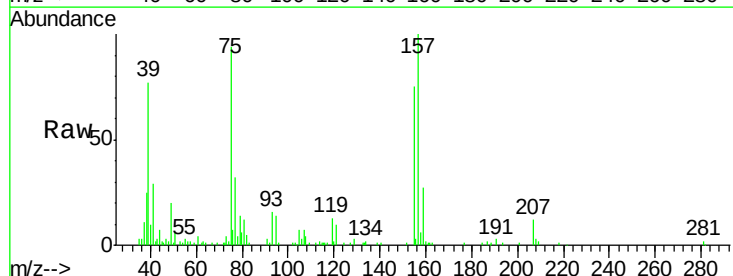
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

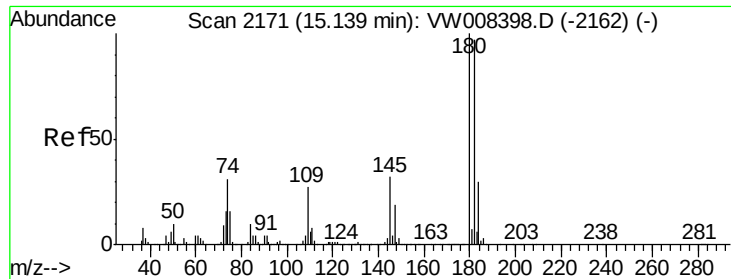
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 21.1  | 63.3  |
| 148     | 63.8  | 31.9  | 95.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.843 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.01 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.4  | 42.7  | 128.1 |
| 157     | 102.3 | 55.5  | 166.3 |

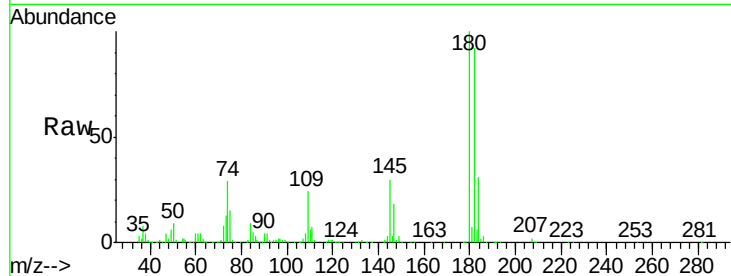




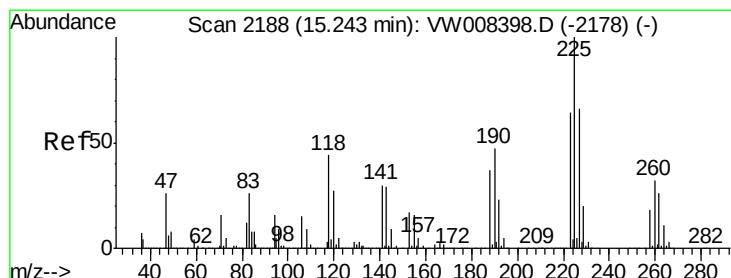
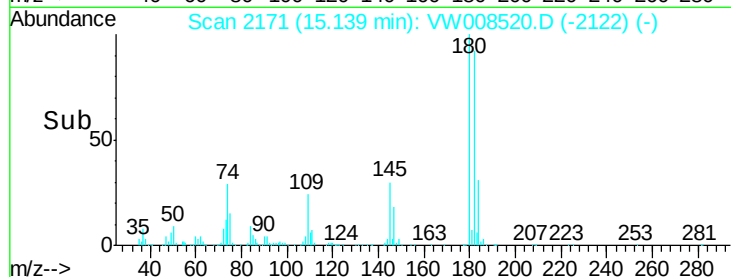
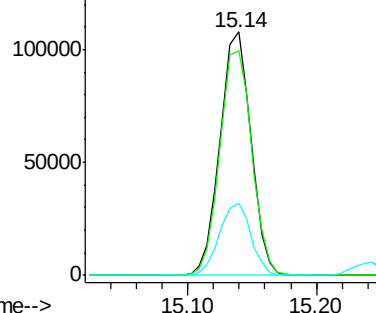
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.225 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 47.9  | 143.7 |
| 145     | 30.1  | 15.5  | 46.5  |

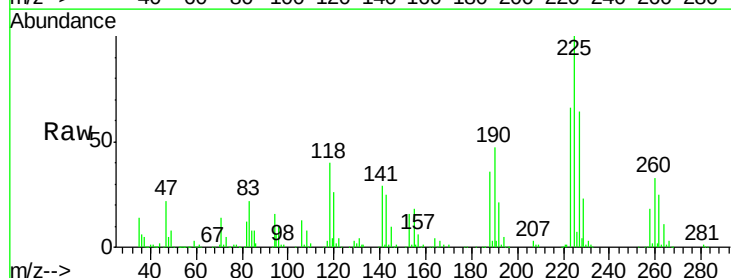


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

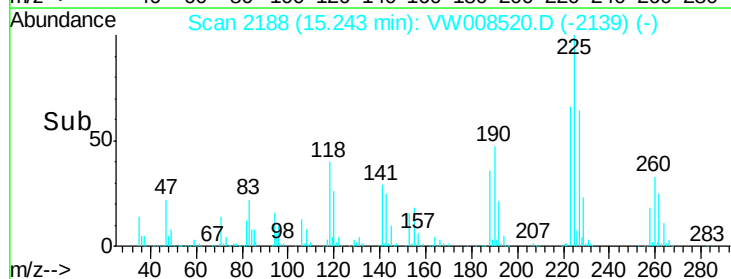
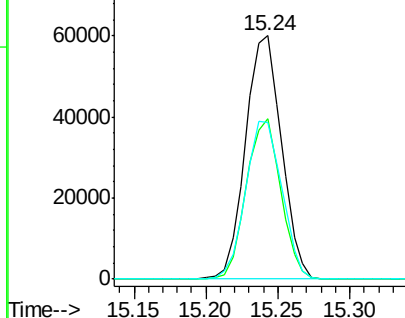


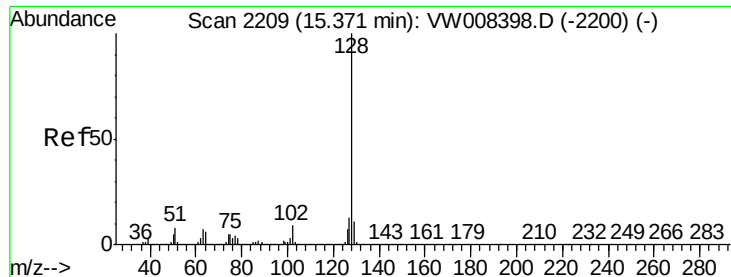
#94  
 Hexachlorobutadiene  
 Concen: 20.390 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW008520.D  
 Acq: 06 Feb 2019 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.1  | 31.7  | 95.1  |
| 227     | 65.7  | 32.1  | 96.3  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

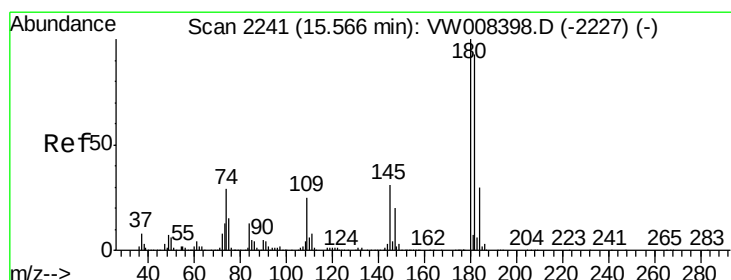
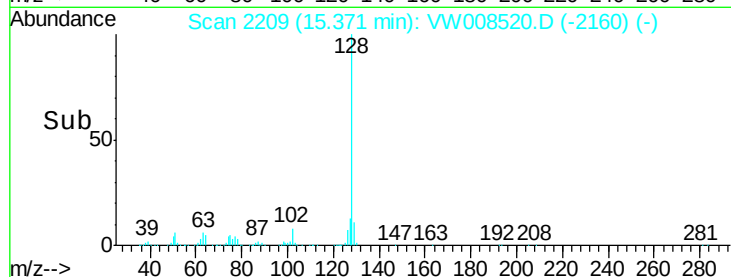
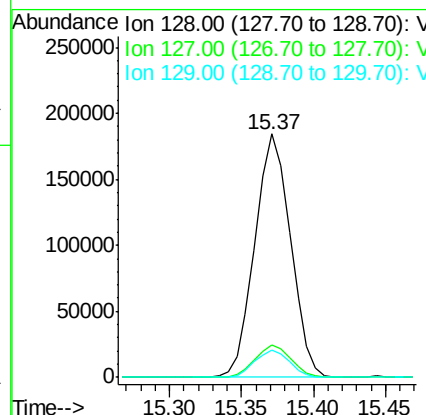
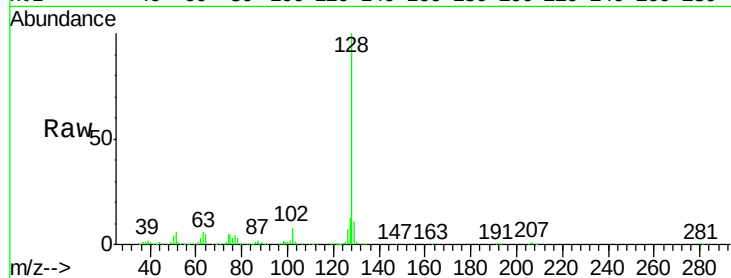




#95  
Naphthalene  
Concen: 21.467 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0206SBSD01

Tot Ion:128 Resp: 316910  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 15.8  
129 11.1 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 21.451 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.01 min  
Lab File: VW008520.D  
Acq: 06 Feb 2019 11:53

Tgt Ion:180 Resp: 152986  
Ion Ratio Lower Upper  
180 100  
182 94.4 47.0 141.2  
145 32.2 15.9 47.6

