

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\  
 Data File : VW012218.D  
 Acq On : 27 Aug 2019 17:44  
 Operator : SY/VA  
 Sample : K4551-20MSD  
 Misc : 5.79G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 06:43:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 258752   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 431228   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 368984   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167094   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 159737   | 51.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.86% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 132072   | 51.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.62% |      |
| 50) Toluene-d8              | 10.32  | 98  | 529824   | 50.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.52% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 184125   | 50.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.10% |      |

| Target Compounds              |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 79596  | 49.959  | ug/l | 97     |
| 3) Chloromethane              | 2.21 | 50  | 129591 | 52.501  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 164269 | 54.372  | ug/l | 97     |
| 5) Bromomethane               | 2.77 | 94  | 81503  | 53.268  | ug/l | 95     |
| 6) Chloroethane               | 2.92 | 64  | 95403  | 55.977  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 84894  | 55.961  | ug/l | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 85316  | 59.249  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 132267 | 51.293  | ug/l | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 192351 | 55.131  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 52612  | 284.224 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 141684 | 54.590  | ug/l | 95     |
| 13) Acrolein                  | 3.90 | 56  | 17961  | 103.078 | ug/l | 96     |
| 14) Allyl chloride            | 4.67 | 41  | 316276 | 57.001  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 196558 | 275.397 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 211803 | 269.376 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.38 | 76  | 428213 | 54.592  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 293292 | 150.603 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 248118 | 59.115  | ug/l | 99     |
| 20) Methylene Chloride        | 4.92 | 84  | 195492 | 65.769  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 155282 | 55.793  | ug/l | 97     |
| 22) Diisopropyl ether         | 6.31 | 45  | 588956 | 57.265  | ug/l | 92     |
| 23) Vinyl Acetate             | 6.26 | 43  | 330607 | 52.233  | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 313433 | 55.971  | ug/l | 100    |
| 25) 2-Butanone                | 7.17 | 43  | 269027 | 251.791 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 168396 | 53.128  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 169668 | 57.058  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 128741 | 52.747  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 186813 | 291.428 | ug/l | 98     |
| 30) Chloroform                | 7.68 | 83  | 282569 | 55.153  | ug/l | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 276788 | 49.958  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 223422 | 55.126  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 231491 | 51.948  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 87369  | 35.778  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 198784 | 51.539  | ug/l | 99     |

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 Sample : K4551-20MSD  
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 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 06:43:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 251646   | 50.267  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 651274   | 53.523  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 76227    | 53.112  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 200779   | 52.648  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 190654   | 42.150  | ug/l   | 96       |
| 44) Trichloroethene            | 9.09  | 130  | 157881   | 53.374  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 176721   | 53.964  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 78319    | 53.752  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 210215   | 54.209  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.43  | 41   | 143069   | 66.456  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 21838    | 979.026 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 628753   | 273.291 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 393888   | 53.884  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 218762   | 55.382  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 262735   | 55.087  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 112953   | 54.791  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 121164   | 40.383  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 211654   | 54.329  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 388807   | 252.494 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 412506   | 253.402 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 127466   | 55.512  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 104823   | 54.579  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 124195   | 51.916  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 390265   | 53.714  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 140071   | 55.262  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 756222   | 54.031  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 542805   | 107.667 | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 257071   | 55.094  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 439442   | 54.410  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 70266    | 55.641  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 704579   | 56.274  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 105627   | 27.923  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 129548   | 56.438  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 88290m   | 54.253  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 153789   | 56.776  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 837597   | 54.798  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 477738   | 55.051  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 580815   | 55.516  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 43192    | 58.192  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 497042   | 54.701  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 498836   | 56.287  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 577440   | 54.944  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 683320   | 53.818  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 607924   | 53.613  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 286454   | 54.067  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 280600   | 53.340  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 574202   | 50.923  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 107739   | 54.157  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 255723   | 55.020  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 21836    | 56.429  | ug/l   | 97       |

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Sample : K4551-20MSD  
Misc : 5.79G/5ML/MSVOA W/SOIL  
ALS Vial : 22 Sample Multiplier: 1

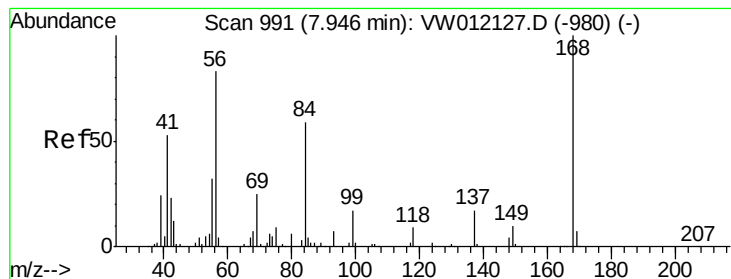
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 06:43:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 160342   | 49.921 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 93541    | 44.106 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 317803   | 50.387 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 138777   | 49.522 | ug/l  | 98       |

(#) = 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: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

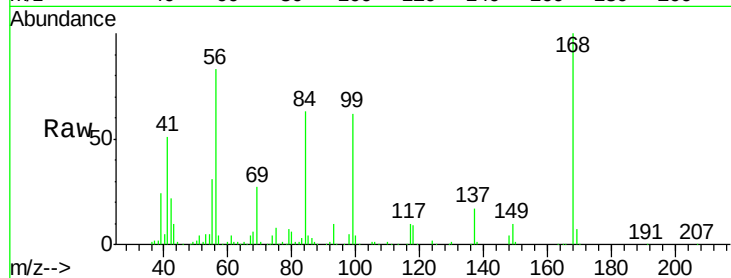
S402-K1-1.0-1.5-082619MSD

Tot Ion:168 Resp: 258752

Ion Ratio Lower Upper

168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

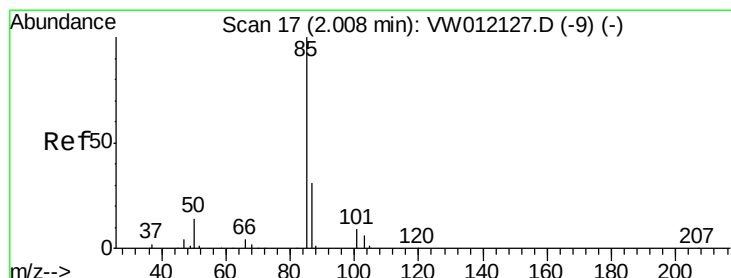
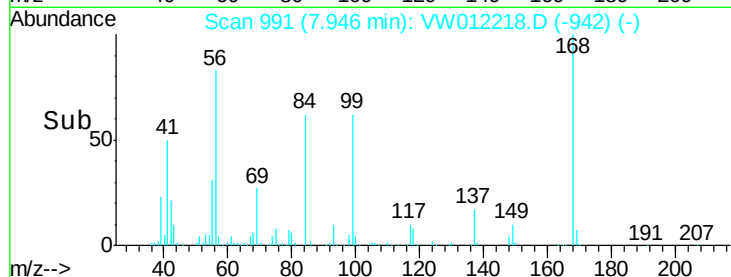
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.959 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012218.D

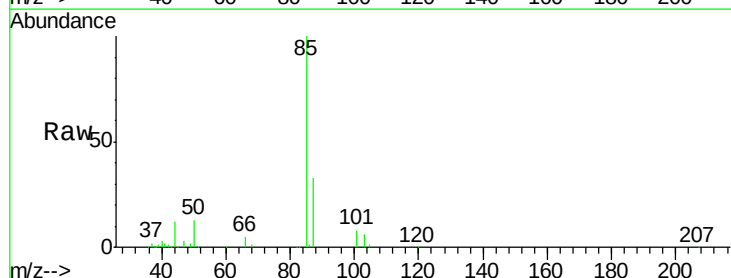
Acq: 27 Aug 2019 17:44

Tgt Ion: 85 Resp: 79596

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

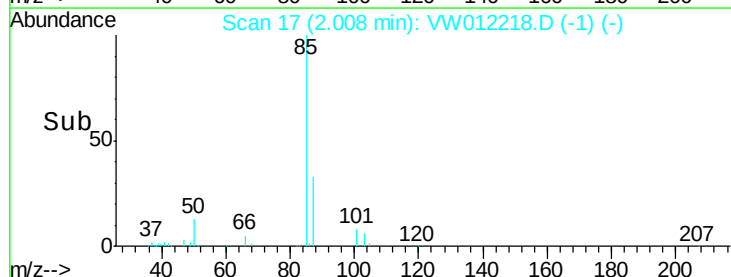
15000

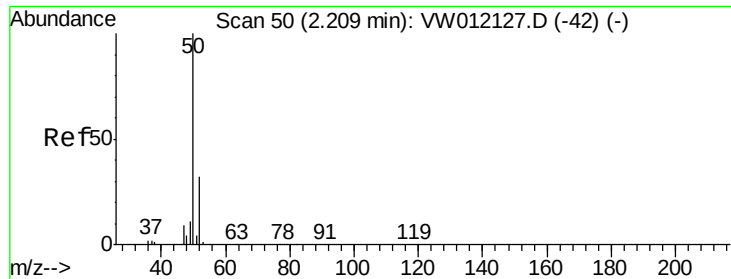
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 52.501 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

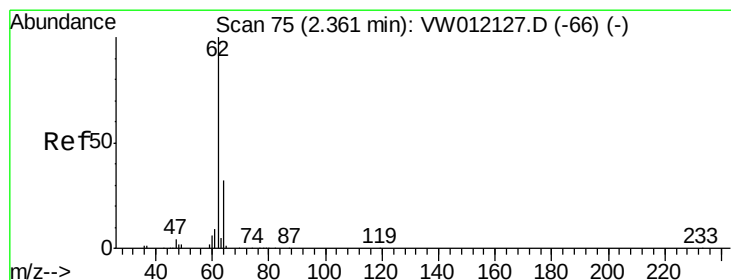
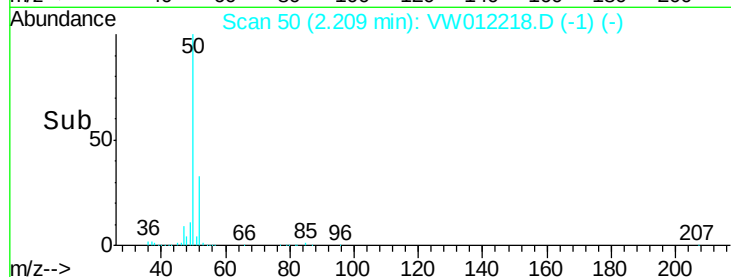
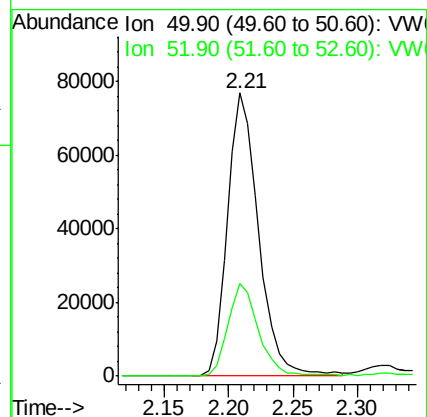
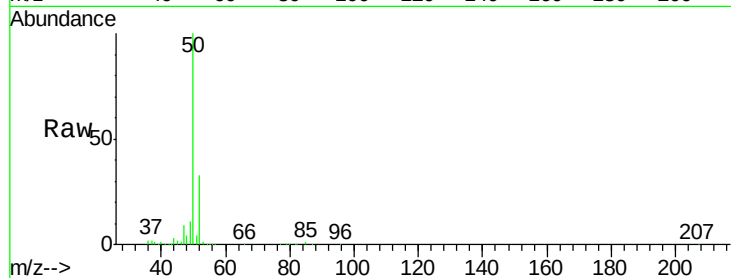
S402-K1-1.0-1.5-082619MSD

Tot Ion: 50 Resp: 129591

Ion Ratio Lower Upper

50 100

52 32.6 25.5 38.3



#4

Vinyl Chloride

Concen: 54.372 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012218.D

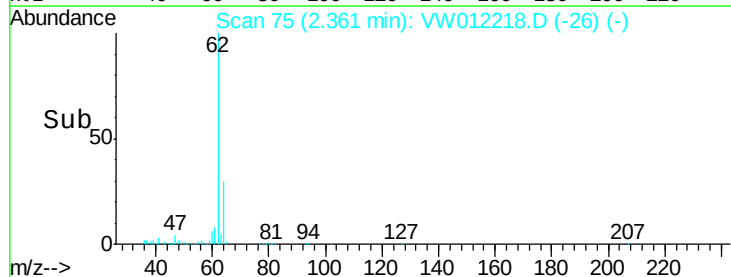
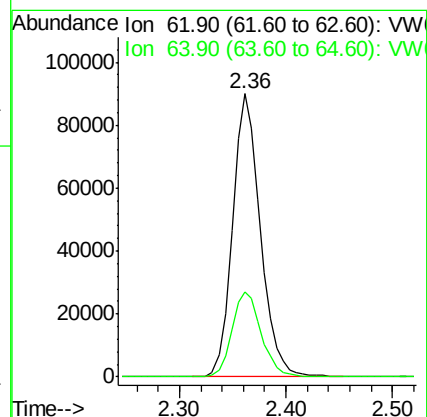
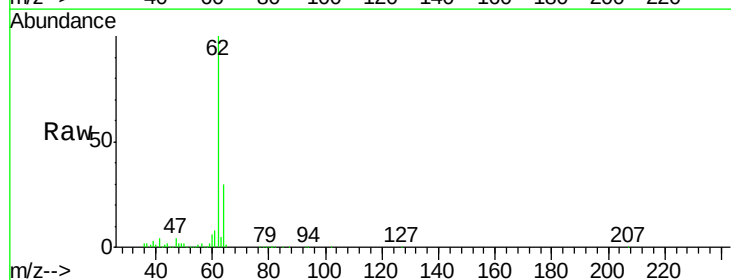
Acq: 27 Aug 2019 17:44

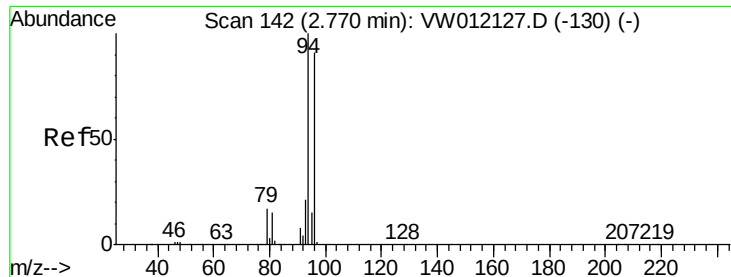
Tgt Ion: 62 Resp: 164269

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 53.268 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

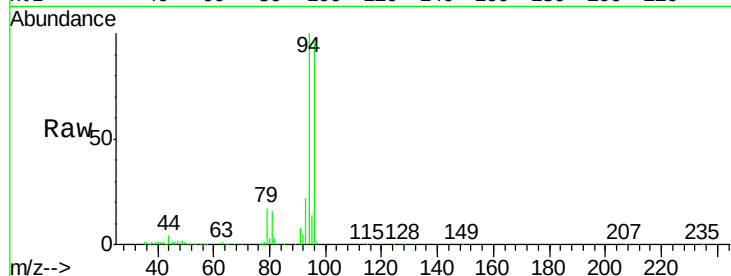
S402-K1-1.0-1.5-082619MSD

Tot Ion: 94 Resp: 81503

Ion Ratio Lower Upper

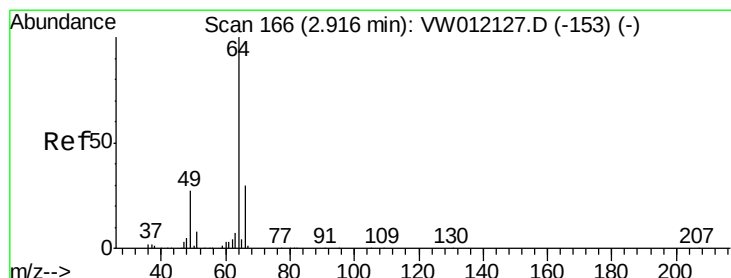
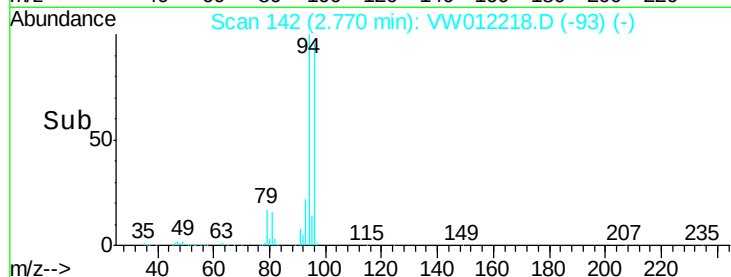
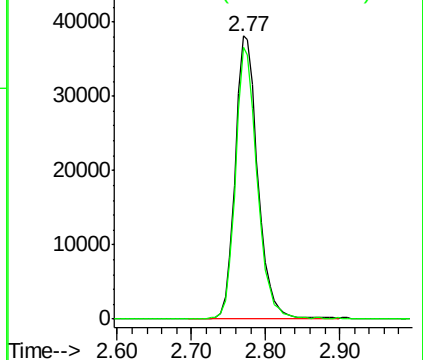
94 100

96 95.9 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.977 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012218.D

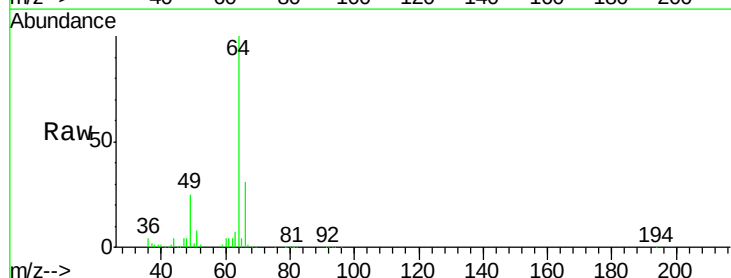
Acq: 27 Aug 2019 17:44

Tgt Ion: 64 Resp: 95403

Ion Ratio Lower Upper

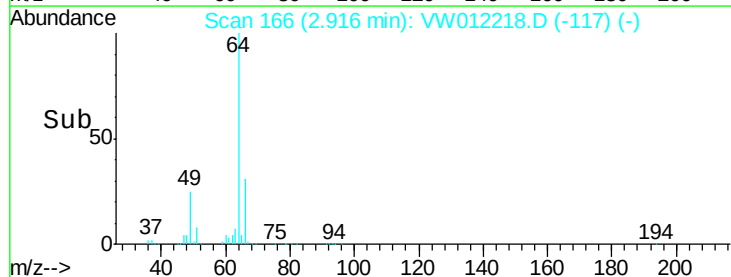
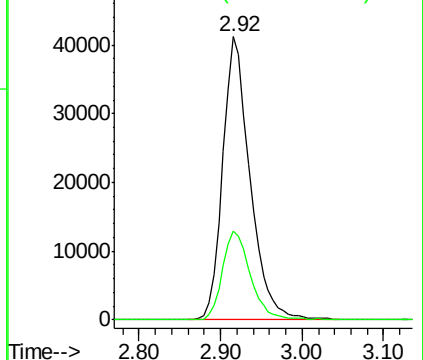
64 100

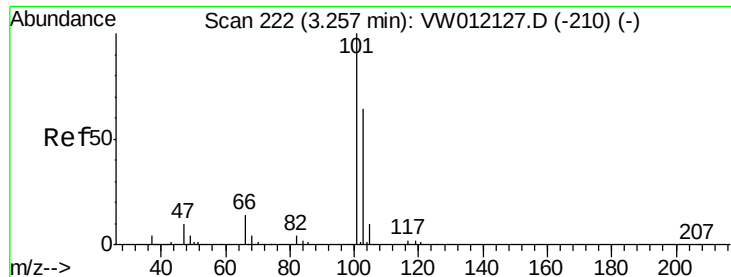
66 31.2 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



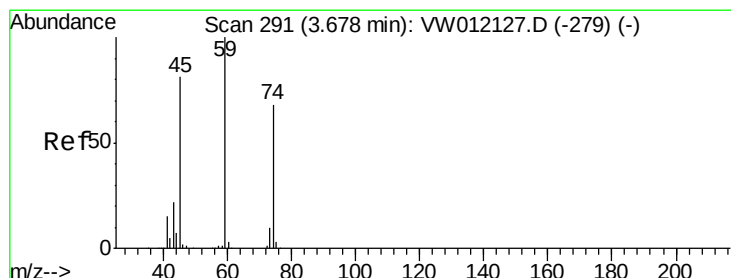
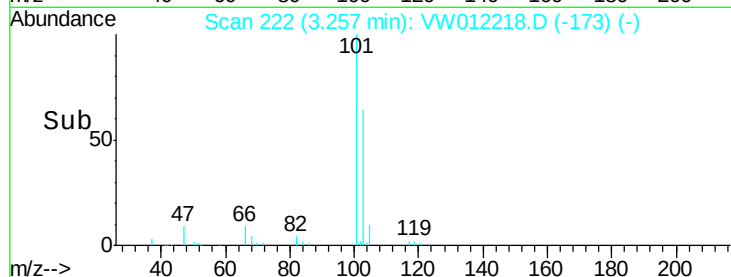
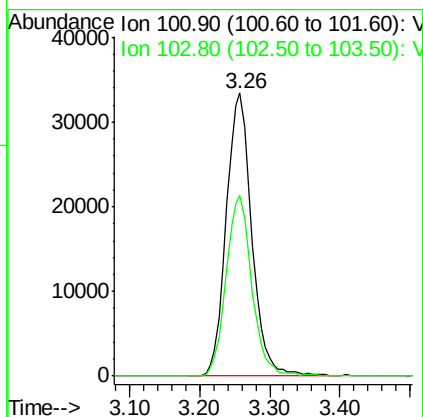
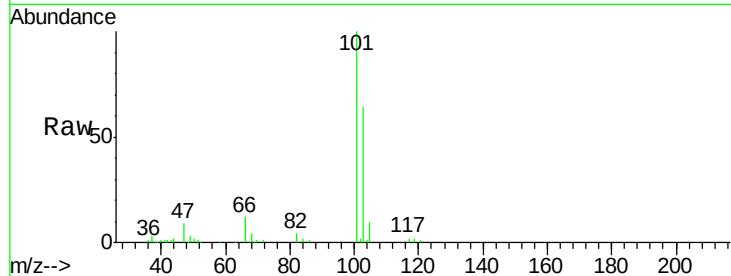


#7

Trichlorofluoromethane  
 Concen: 55.961 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

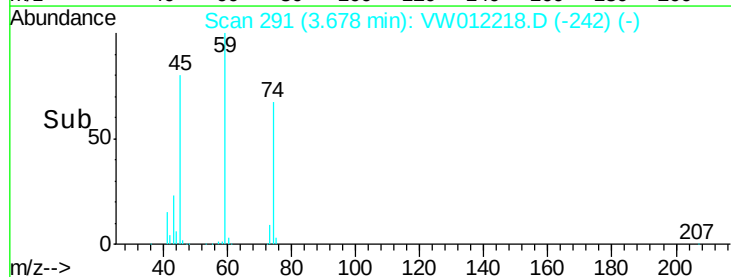
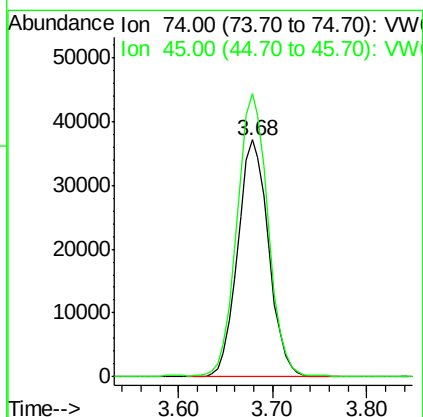
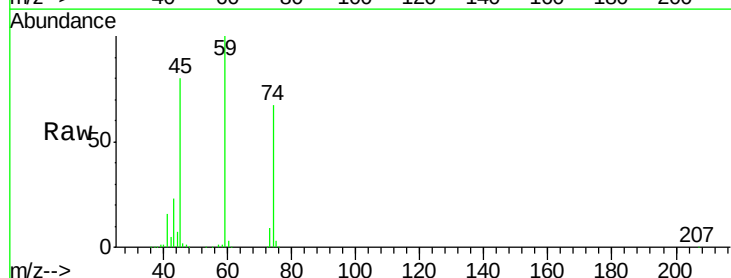
Tot Ion:101 Resp: 84894  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 51.2 76.8



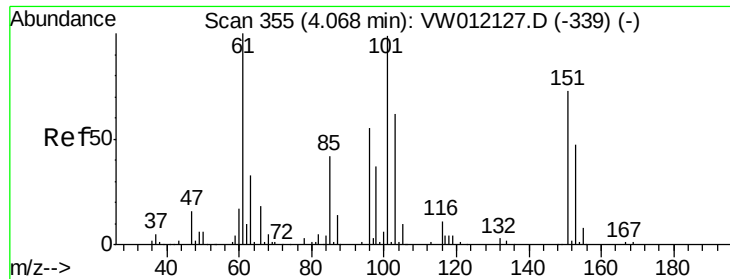
#8

Diethyl Ether  
 Concen: 59.249 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 74 Resp: 85316  
 Ion Ratio Lower Upper  
 74 100  
 45 118.9 59.2 177.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.293 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

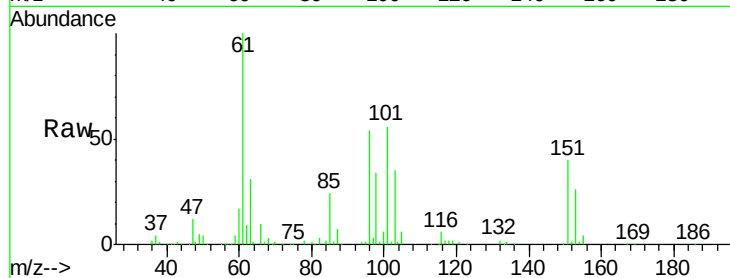
Tot Ion:101 Resp: 132267

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

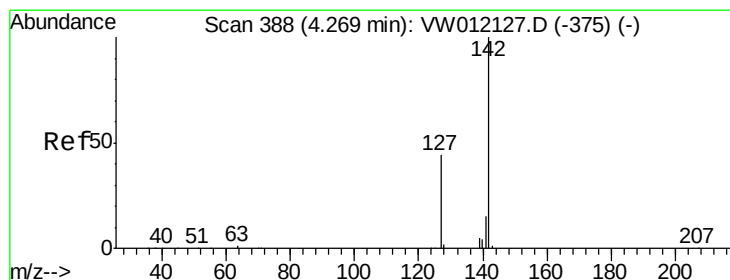
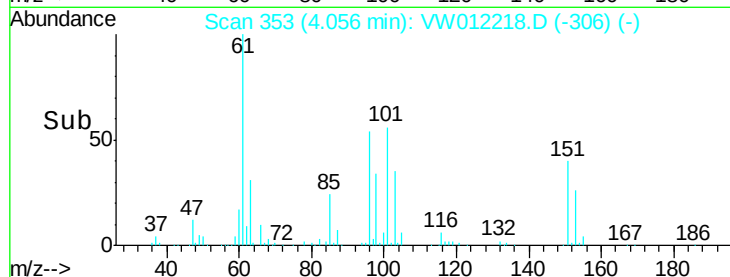
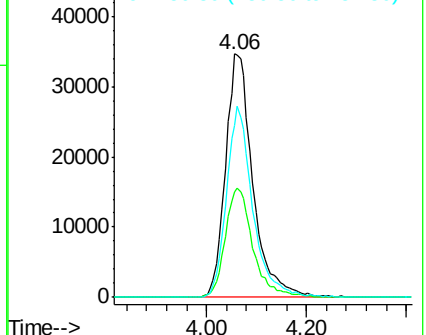
151 75.1 58.6 87.8



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: 55.131 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

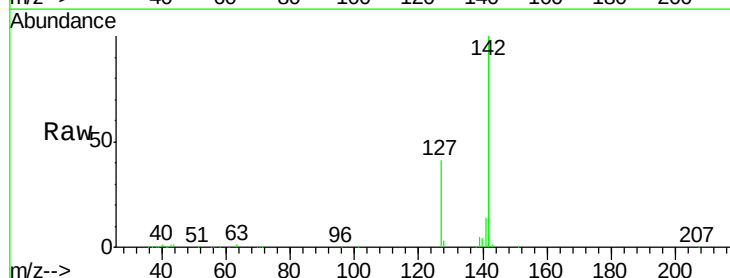
Tgt Ion:142 Resp: 192351

Ion Ratio Lower Upper

142 100

127 43.2 35.5 53.3

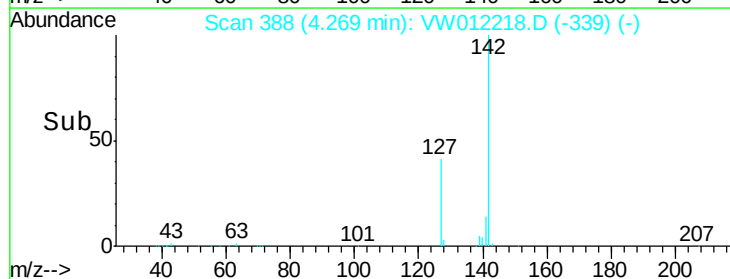
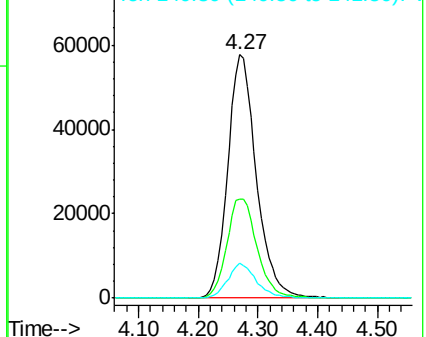
141 14.3 11.8 17.8

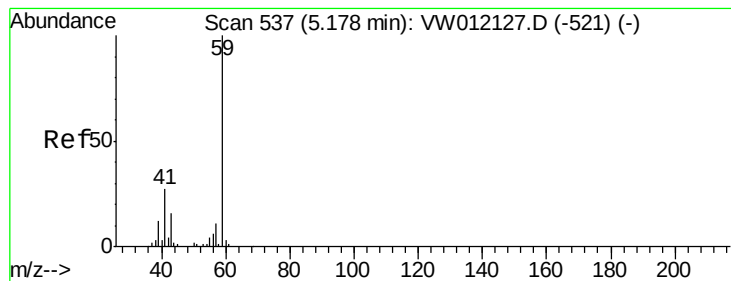


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



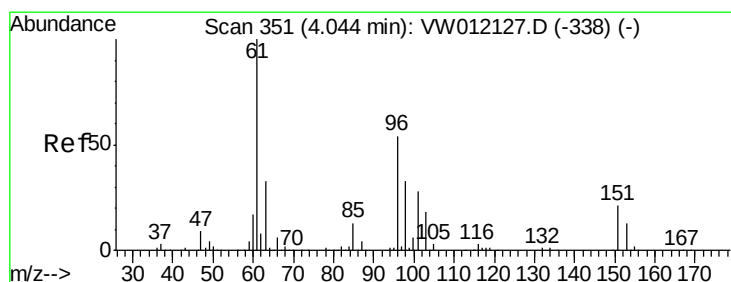
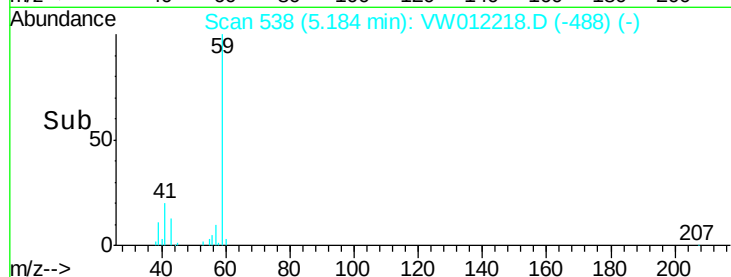
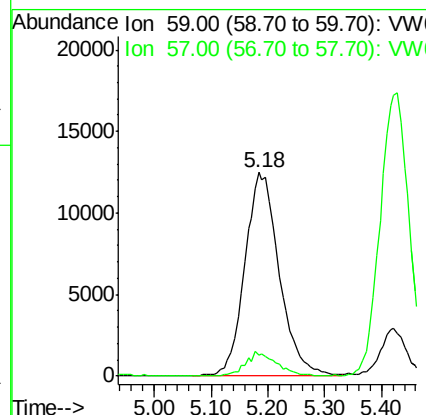
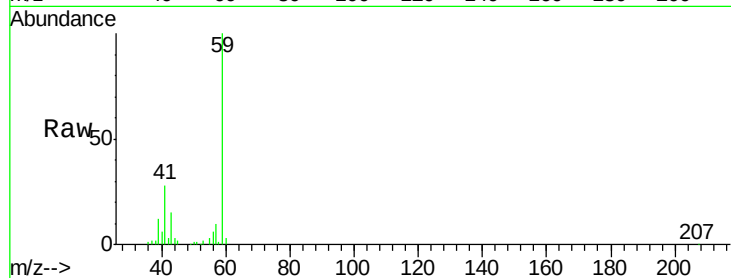


#11

Tert butyl alcohol  
Concen: 284.224 ug/l  
RT: 5.18 min Scan# 538  
Delta R.T. 0.01 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

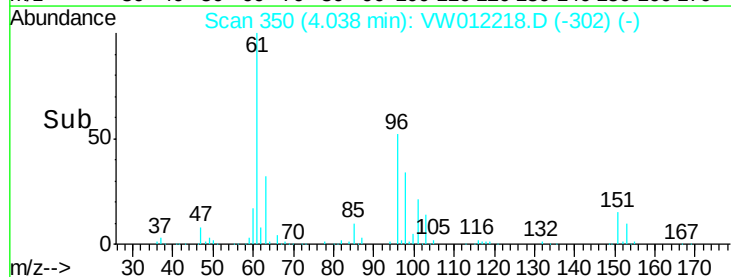
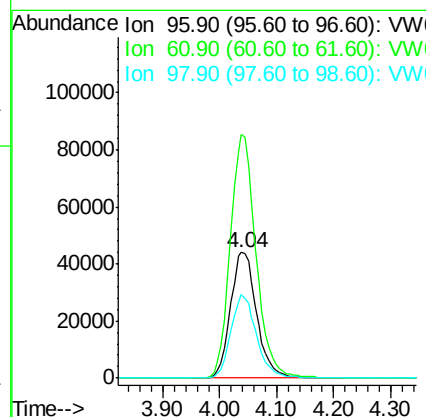
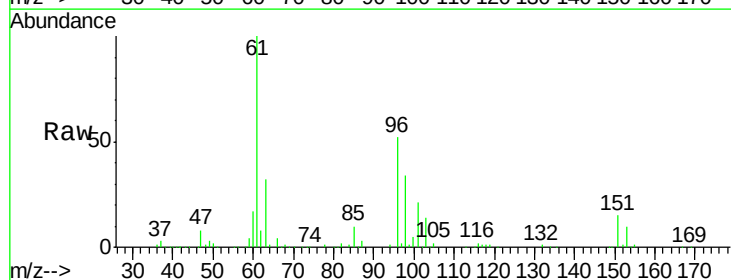
Tot Ion: 59 Resp: 52612  
Ion Ratio Lower Upper  
59 100  
57 10.9 9.0 13.4

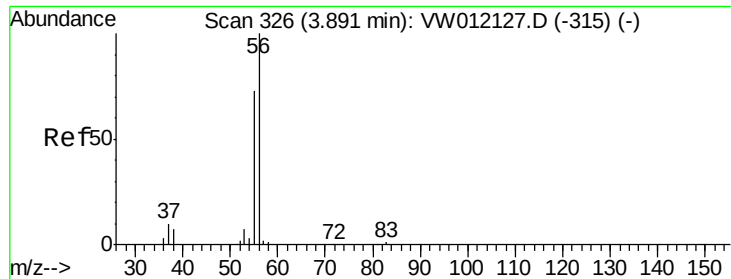


#12

1,1-Dichloroethene  
Concen: 54.590 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 96 Resp: 141684  
Ion Ratio Lower Upper  
96 100  
61 194.0 149.1 223.7  
98 66.5 49.4 74.2





#13

Acrolein

Concen: 103.078 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

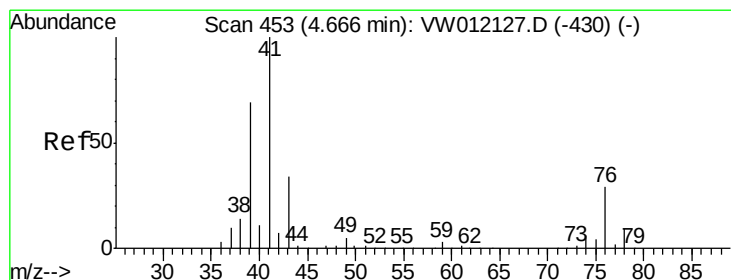
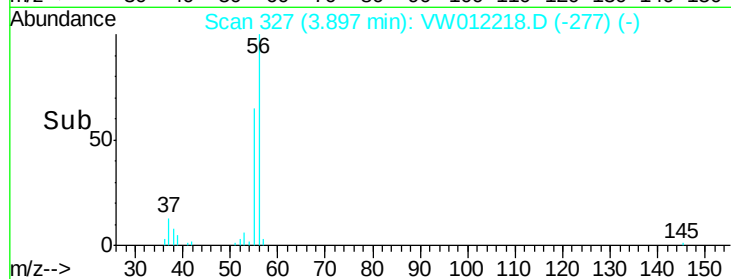
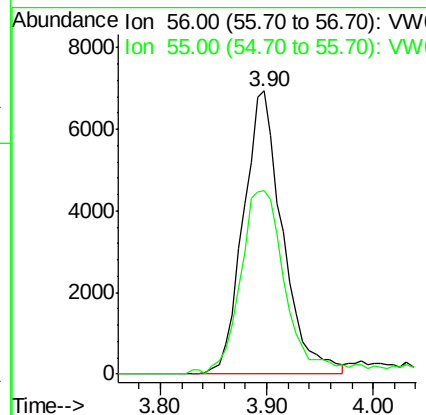
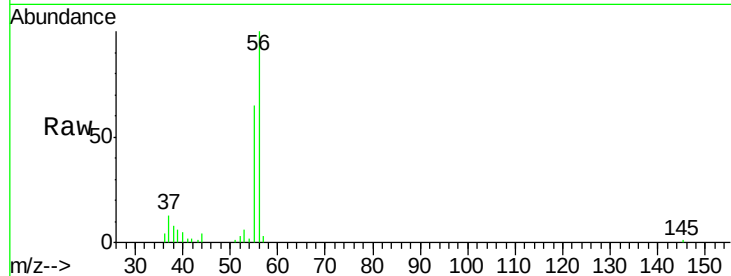
S402-K1-1.0-1.5-082619MSD

Tot Ion: 56 Resp: 17961

Ion Ratio Lower Upper

56 100

55 73.5 55.8 83.8



#14

Allyl chloride

Concen: 57.001 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

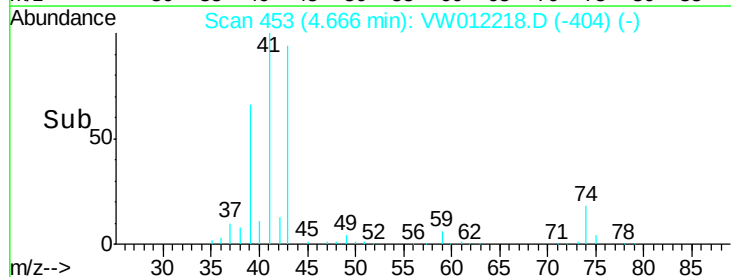
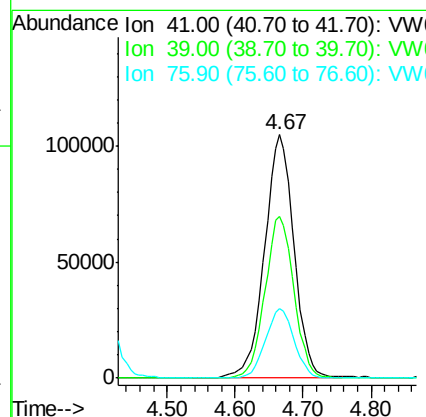
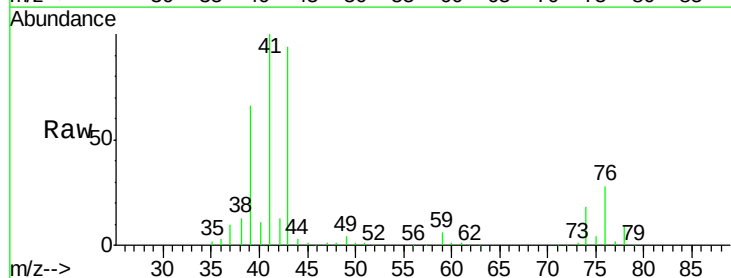
Tgt Ion: 41 Resp: 316276

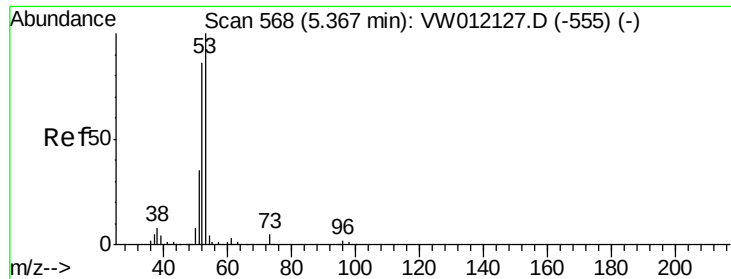
Ion Ratio Lower Upper

41 100

39 65.7 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 275.397 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

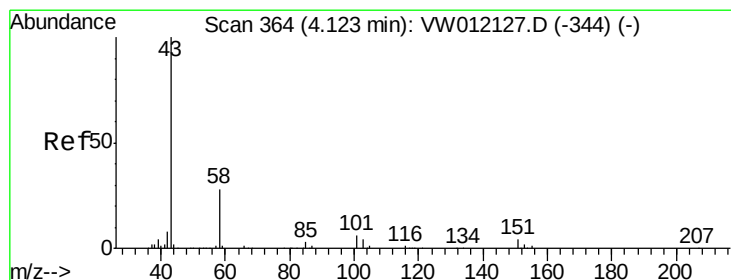
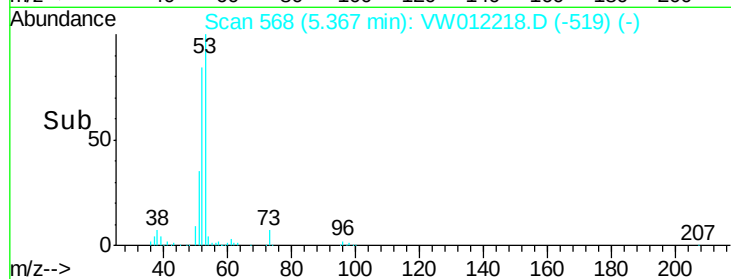
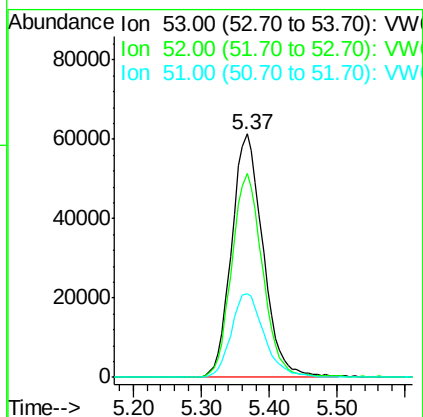
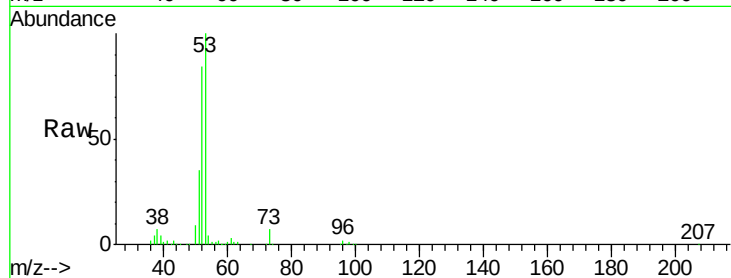
Tot Ion: 53 Resp: 196558

Ion Ratio Lower Upper

53 100

52 82.4 66.7 100.1

51 36.4 30.1 45.1



#16

Acetone

Concen: 269.376 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012218.D

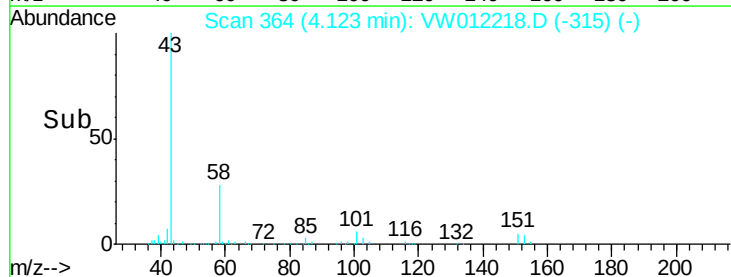
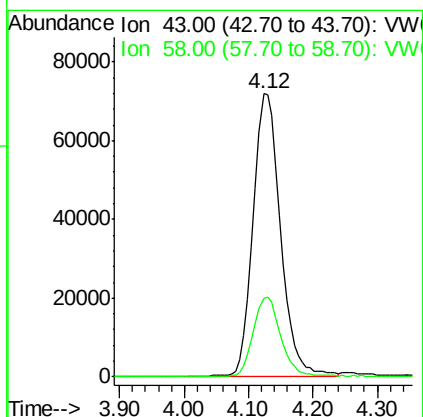
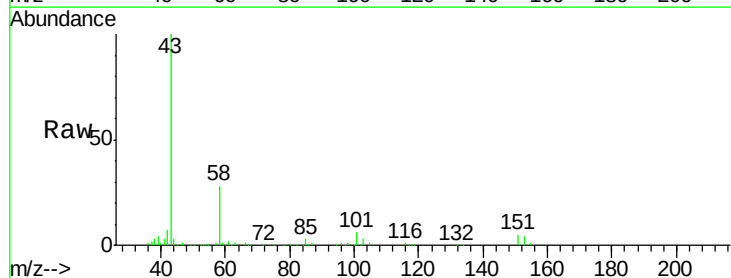
Acq: 27 Aug 2019 17:44

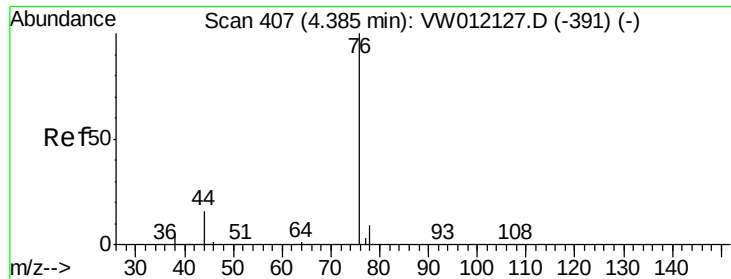
Tgt Ion: 43 Resp: 211803

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6





#17

Carbon Disulfide

Concen: 54.592 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

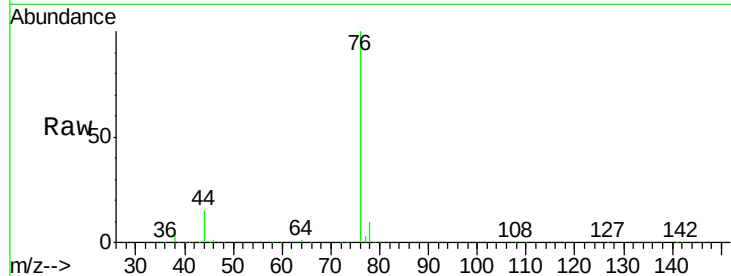
S402-K1-1.0-1.5-082619MSD

Tot Ion: 76 Resp: 428213

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

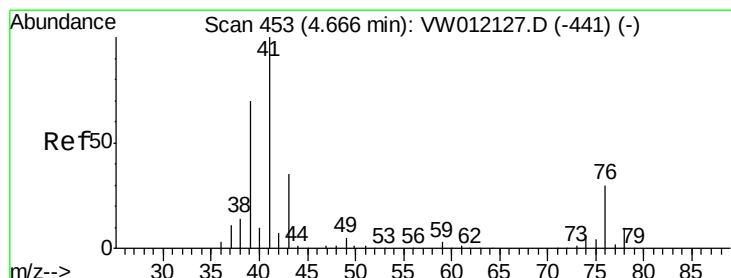
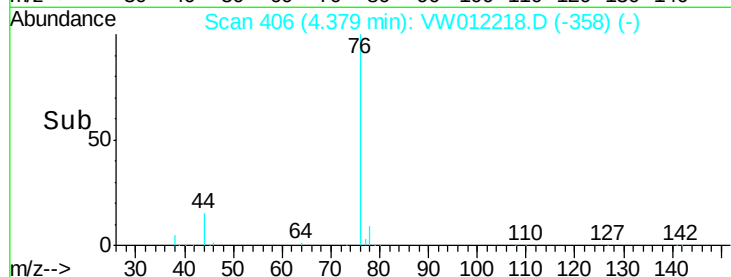
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 150.603 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012218.D

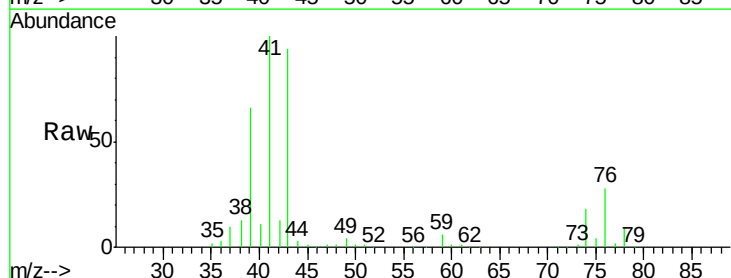
Acq: 27 Aug 2019 17:44

Tgt Ion: 43 Resp: 293292

Ion Ratio Lower Upper

43 100

74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

100000

80000

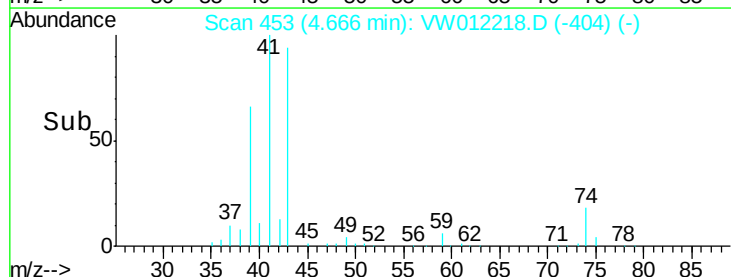
60000

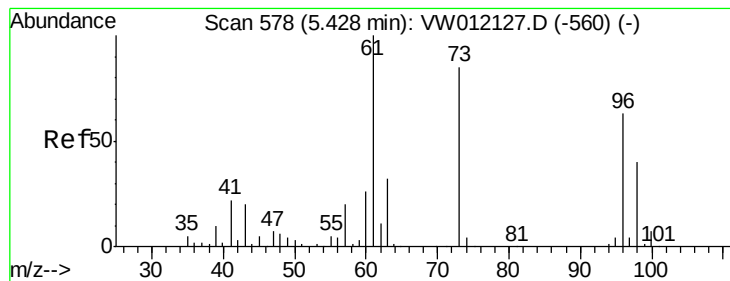
40000

20000

0

Time-->



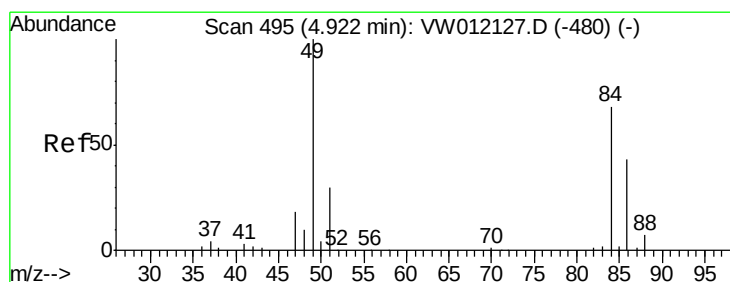
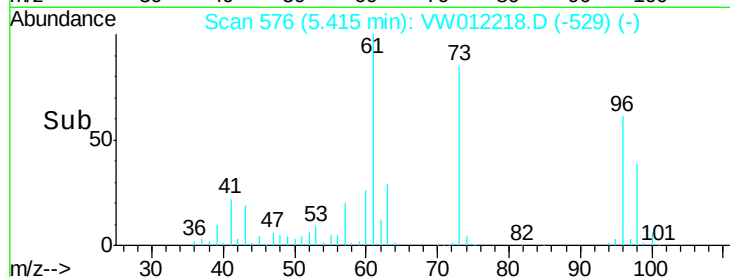
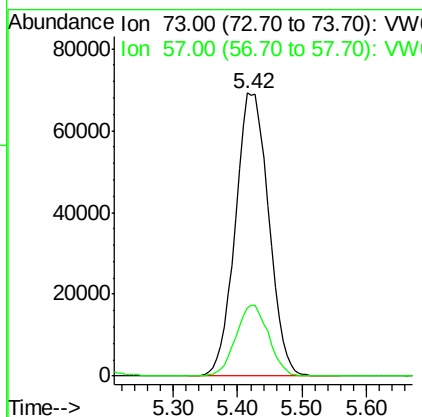
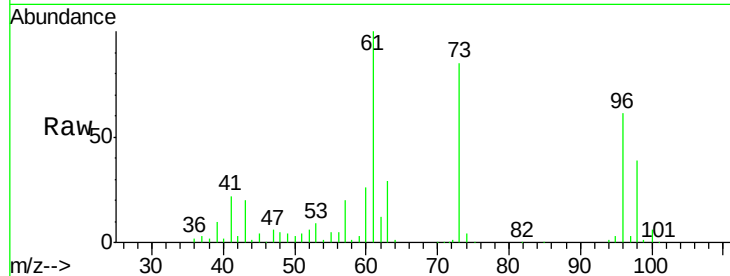


#19

Methyl tert-butyl Ether  
 Concen: 59.115 ug/l  
 RT: 5.42 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

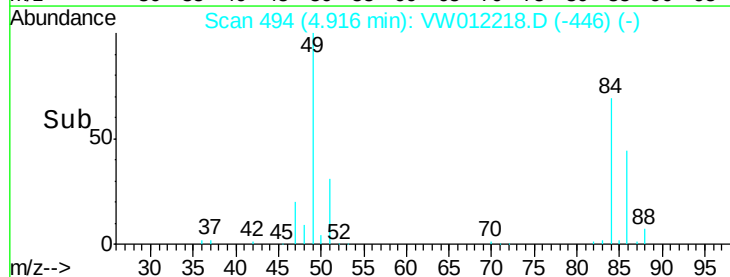
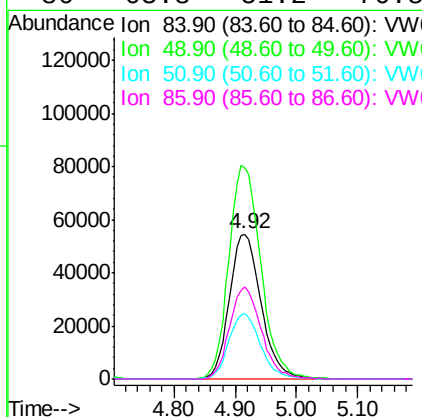
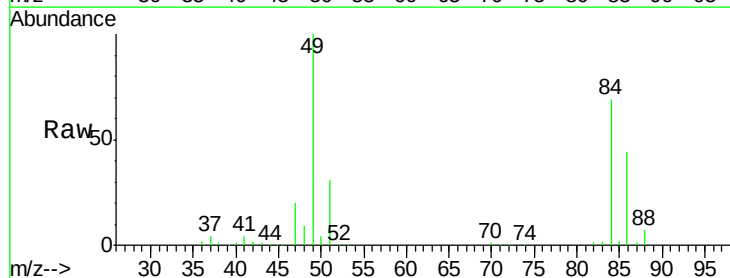
Tot Ion: 73 Resp: 248118  
 Ion Ratio Lower Upper  
 73 100  
 57 24.0 18.9 28.3

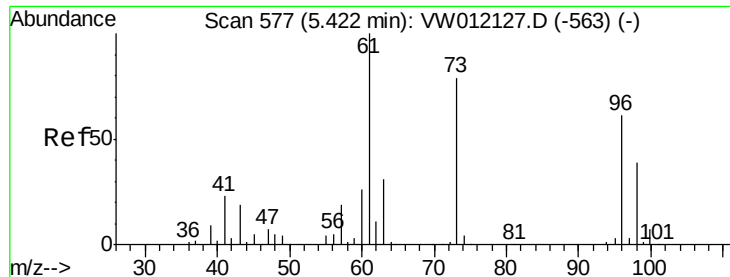


#20

Methylene Chloride  
 Concen: 65.769 ug/l  
 RT: 4.92 min Scan# 494  
 Delta R.T. -0.01 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 84 Resp: 195492  
 Ion Ratio Lower Upper  
 84 100  
 49 145.6 117.8 176.8  
 51 45.4 35.6 53.4  
 86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.793 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

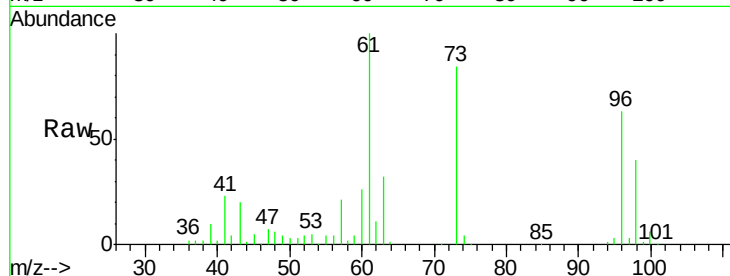
Tot Ion: 96 Resp: 155282

Ion Ratio Lower Upper

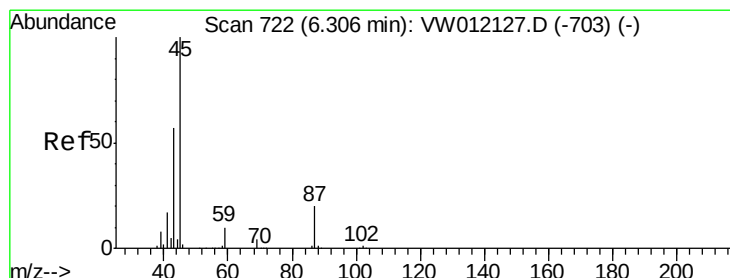
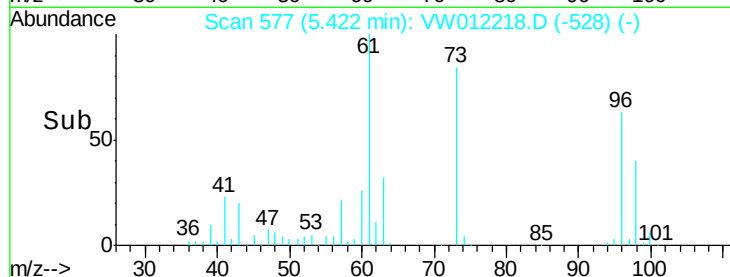
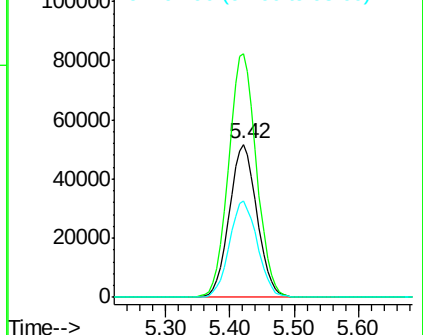
96 100

61 159.1 131.4 197.0

98 63.4 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 57.265 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Tgt Ion: 45 Resp: 588956

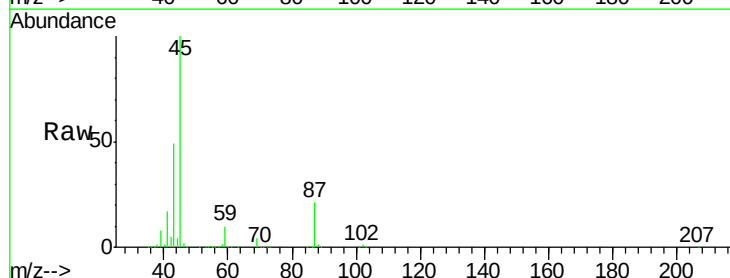
Ion Ratio Lower Upper

45 100

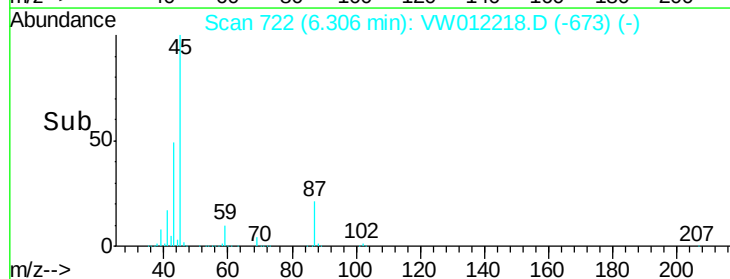
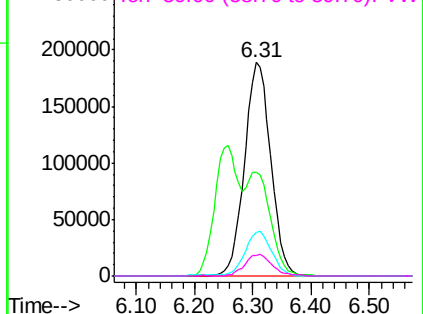
43 48.7 45.5 68.3

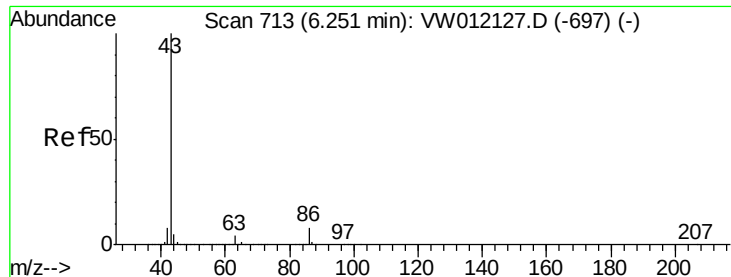
87 20.5 16.1 24.1

59 9.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 87.00 (86.70 to 87.70): VW  
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 52.233 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

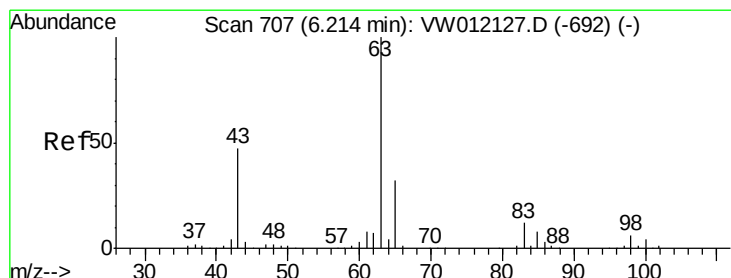
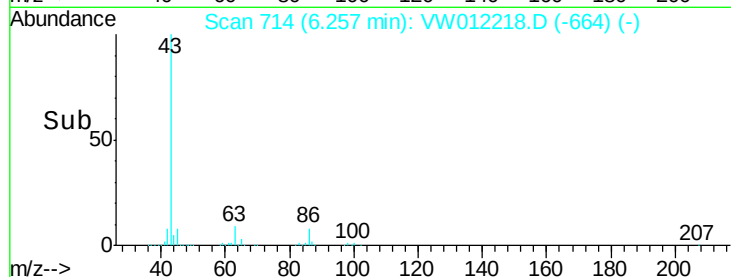
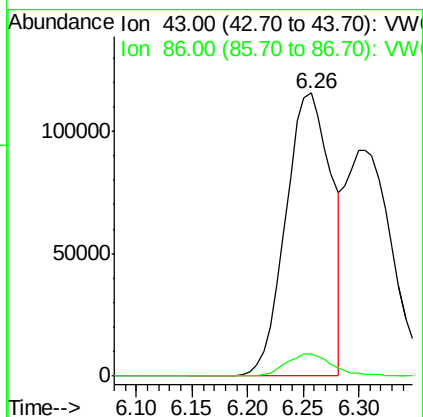
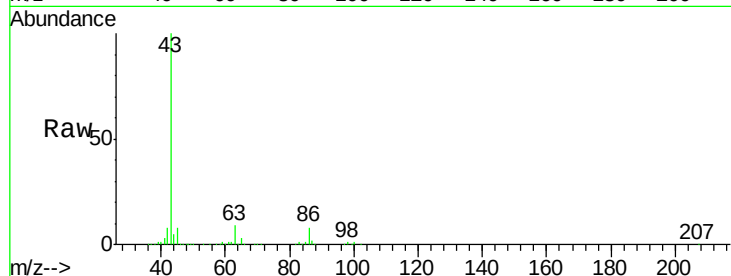
S402-K1-1.0-1.5-082619MSD

Tot Ion: 43 Resp: 330607

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 55.971 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

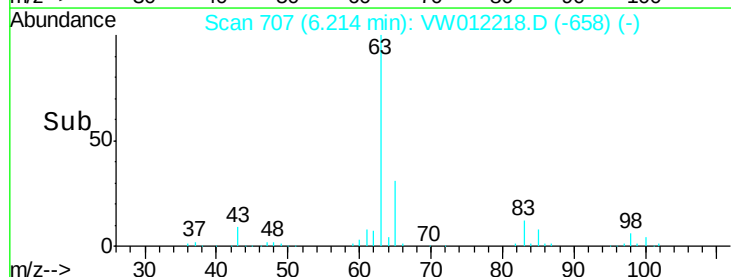
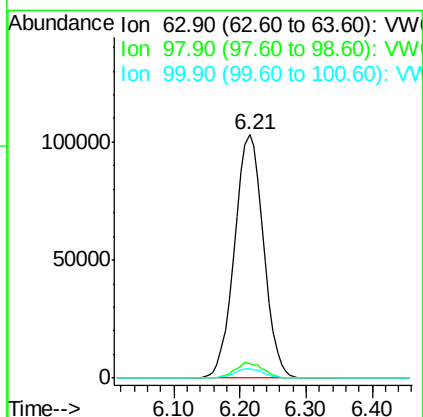
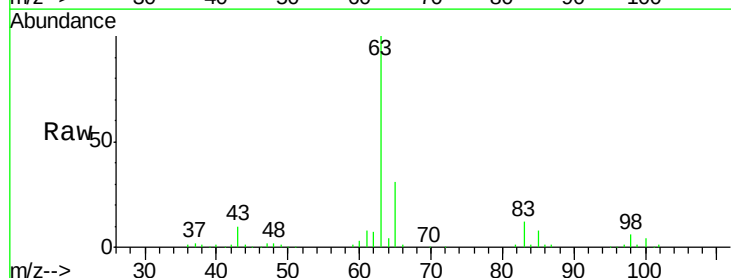
Tgt Ion: 63 Resp: 313433

Ion Ratio Lower Upper

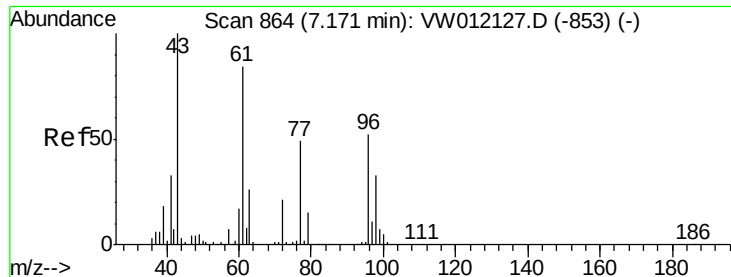
63 100

98 6.0 3.0 9.2

100 3.8 2.0 6.0







#25

2-Butanone

Concen: 251.791 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

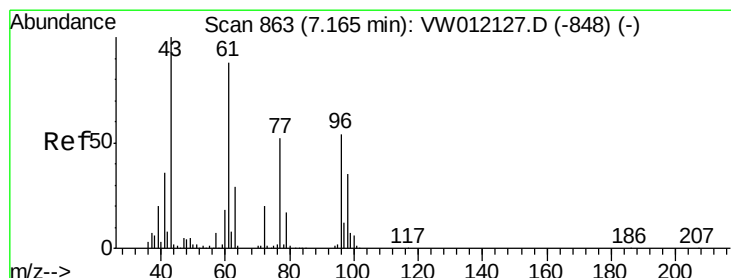
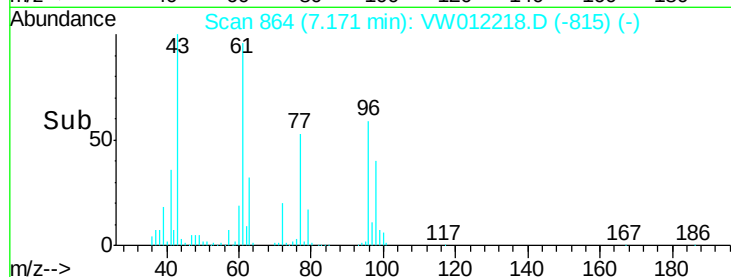
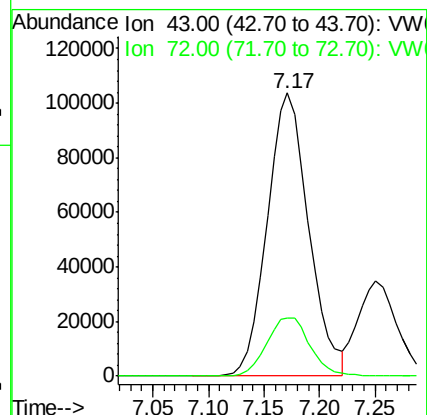
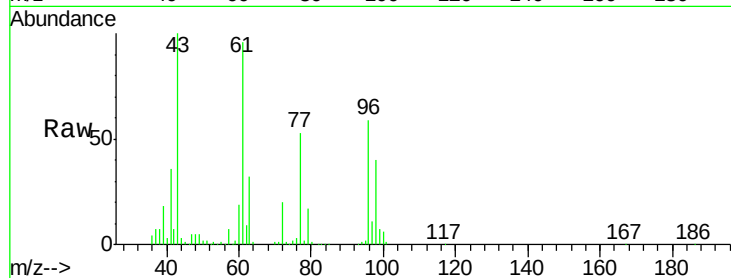
S402-K1-1.0-1.5-082619MSD

Tot Ion: 43 Resp: 269027

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 53.128 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012218.D

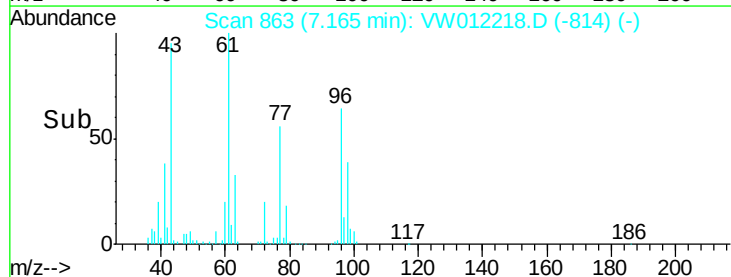
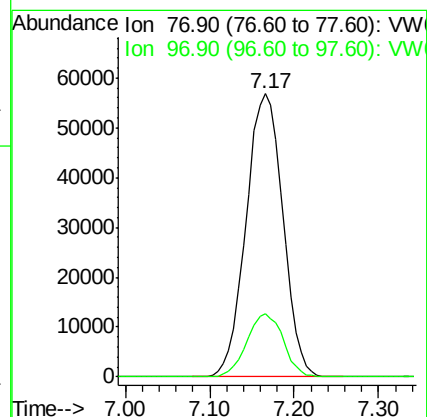
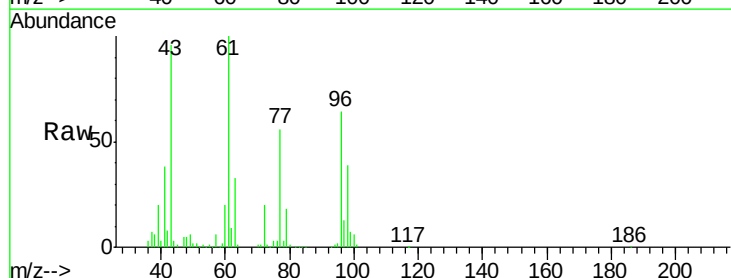
Acq: 27 Aug 2019 17:44

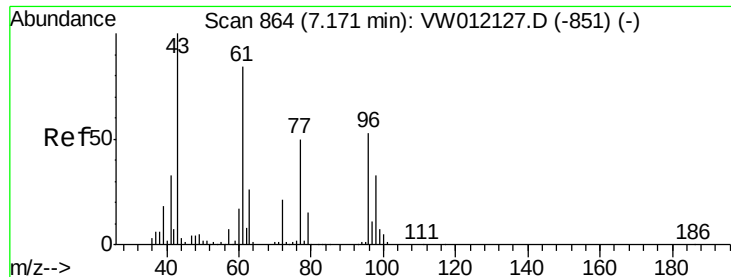
Tgt Ion: 77 Resp: 168396

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1



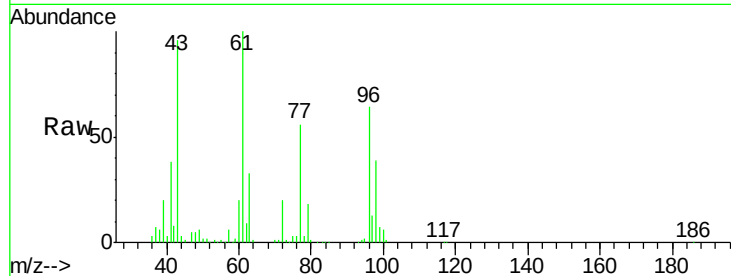


#27

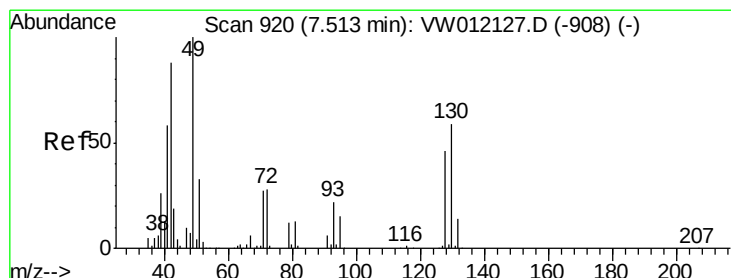
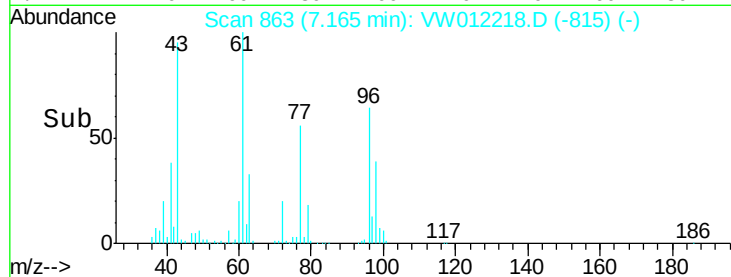
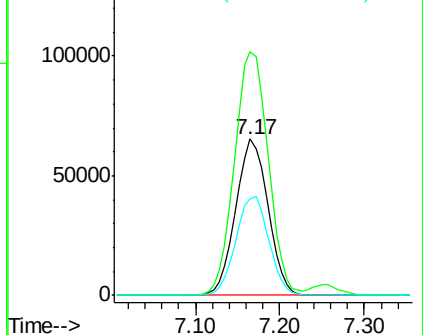
cis-1,2-Dichloroethene  
 Concen: 57.058 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.7 | 0.0   | 326.6 |
| 98      | 64.3  | 0.0   | 127.4 |



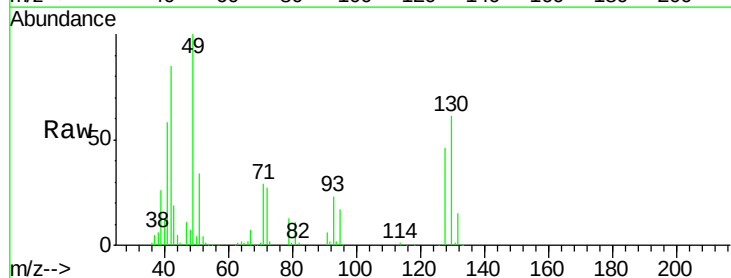
Abundance Ion 95.90 (95.60 to 96.60): VW  
 Ion 60.90 (60.60 to 61.60): VW  
 Ion 97.90 (97.60 to 98.60): VW



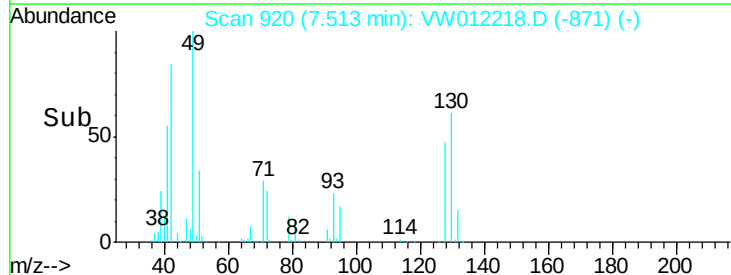
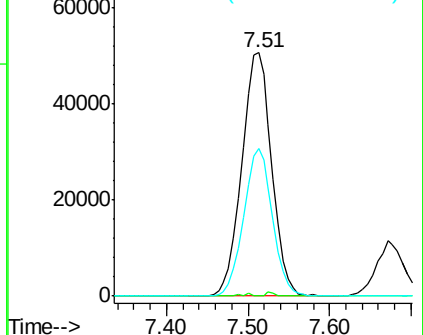
#28

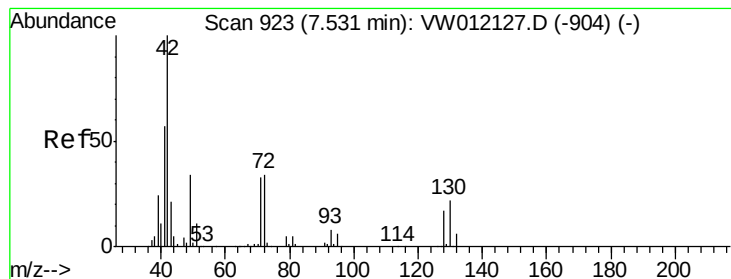
Bromochloromethane  
 Concen: 52.747 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.4   | 0.0   | 1.4   |
| 130     | 57.8  | 45.5  | 68.3  |



Abundance Ion 48.90 (48.60 to 49.60): VW  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 291.428 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

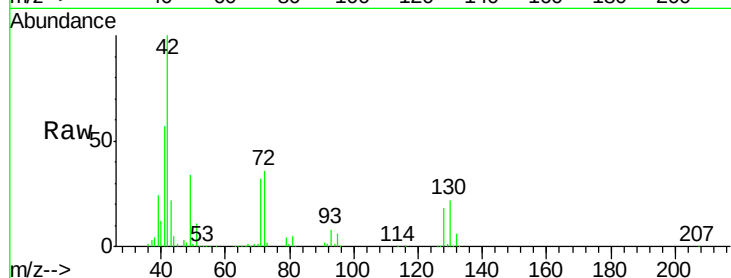
Tot Ion: 42 Resp: 186813

Ion Ratio Lower Upper

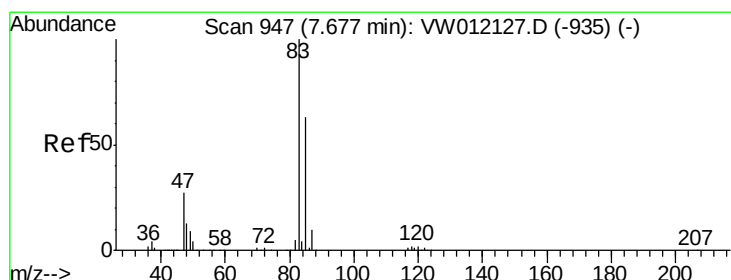
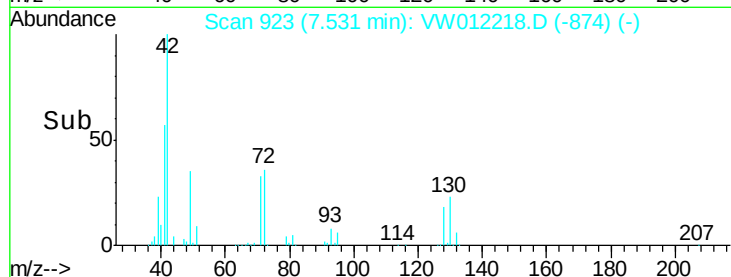
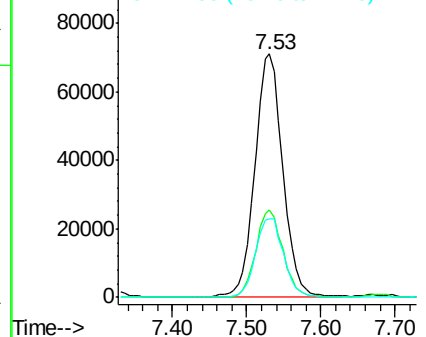
42 100

72 34.8 27.3 40.9

71 32.9 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 55.153 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW012218.D

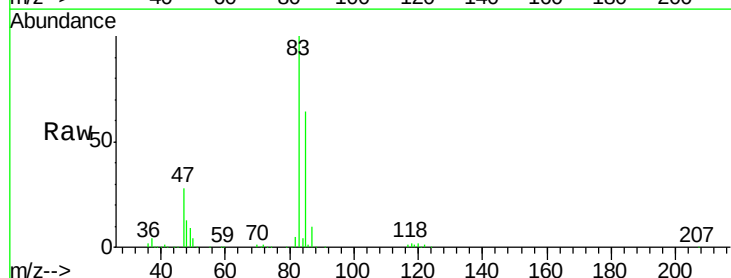
Acq: 27 Aug 2019 17:44

Tgt Ion: 83 Resp: 282569

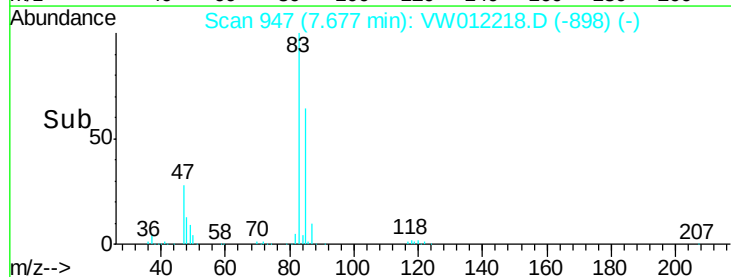
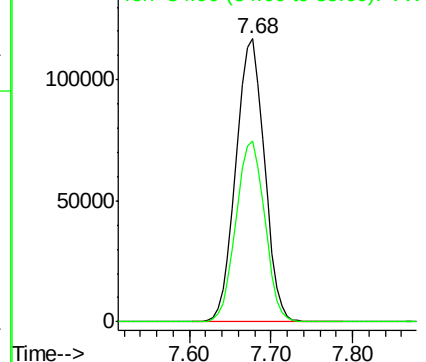
Ion Ratio Lower Upper

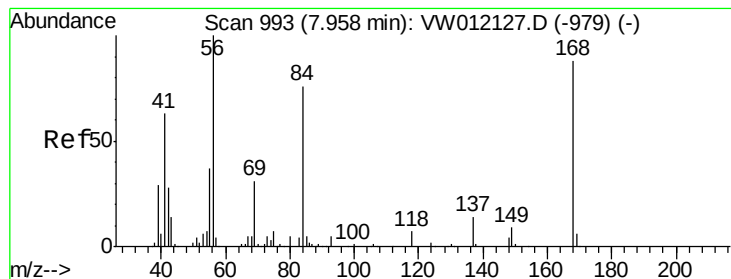
83 100

85 63.7 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 49.958 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

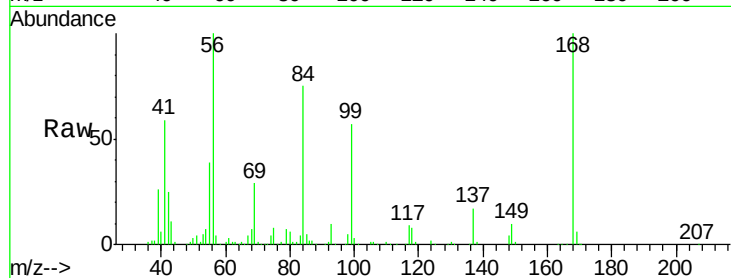
Tot Ion: 56 Resp: 276788

Ion Ratio Lower Upper

56 100

69 29.6 24.9 37.3

84 74.3 60.6 90.8

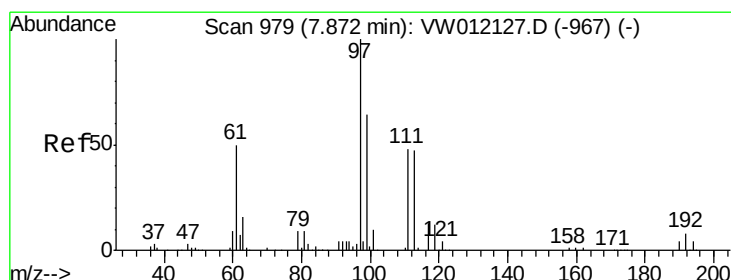
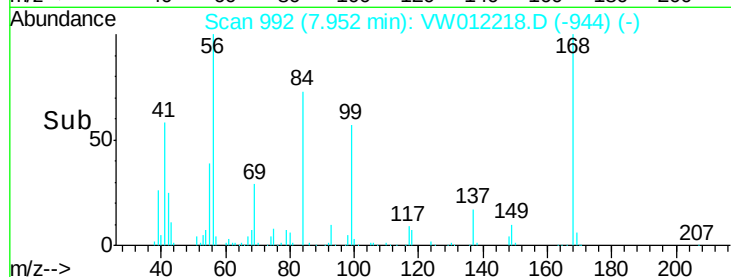
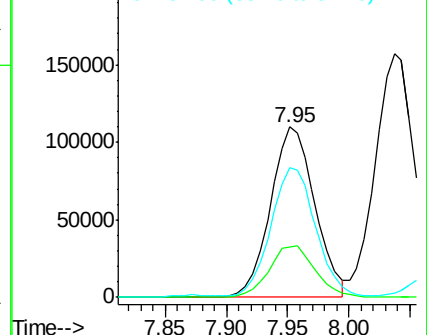


Abundance

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: 55.126 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

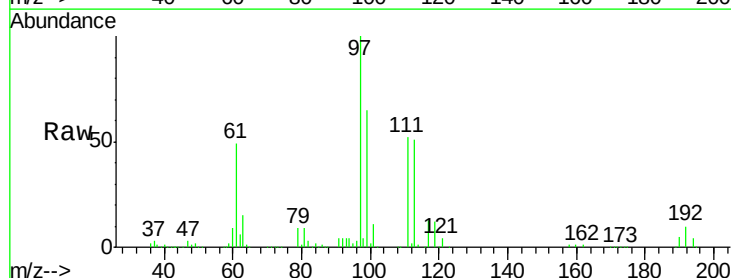
Tgt Ion: 97 Resp: 223422

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 48.2 39.5 59.3

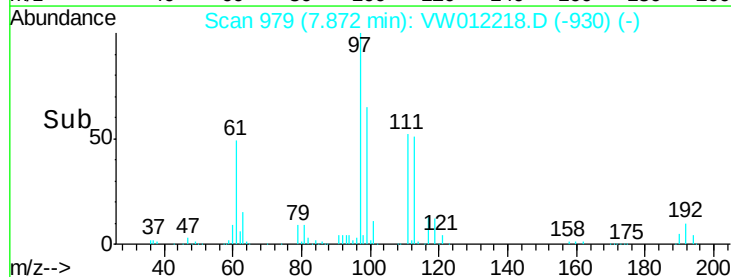
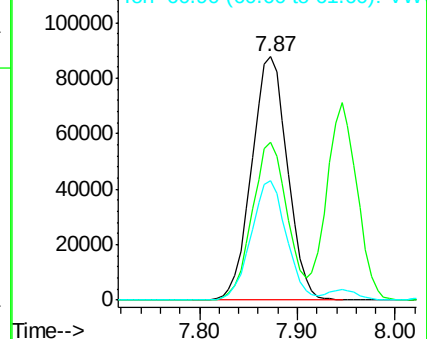


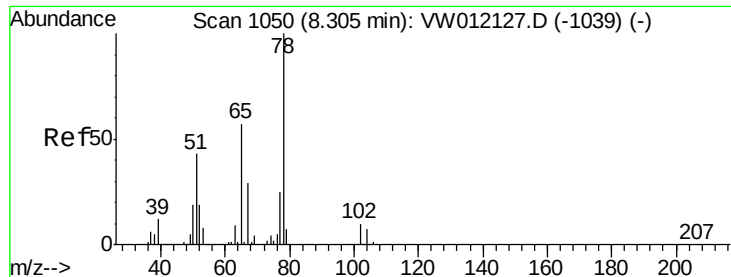
Abundance

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

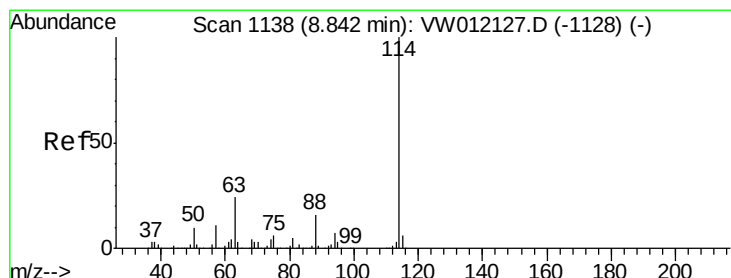
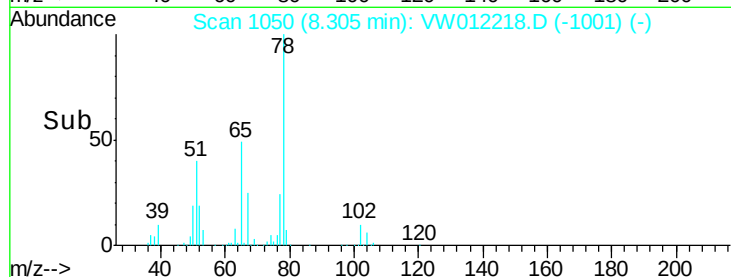
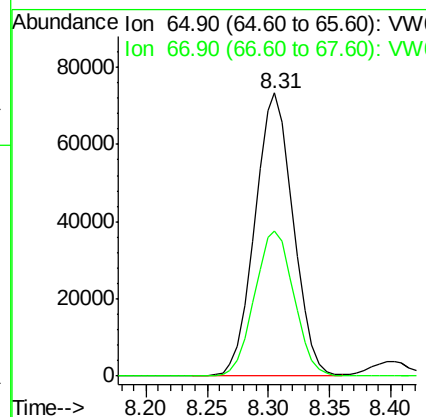
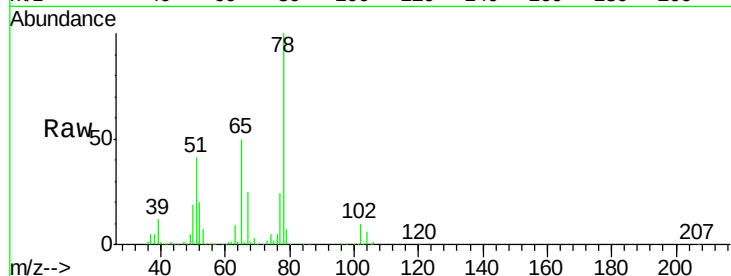




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.931 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

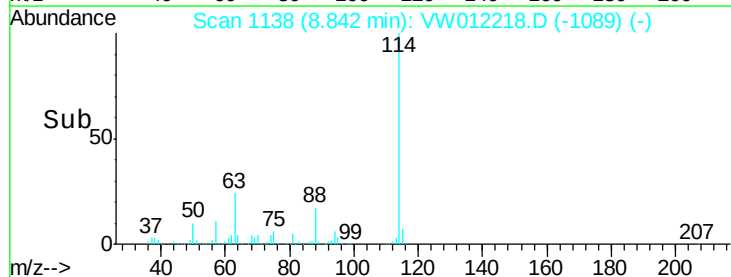
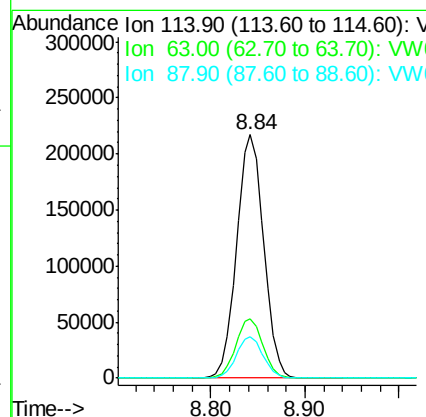
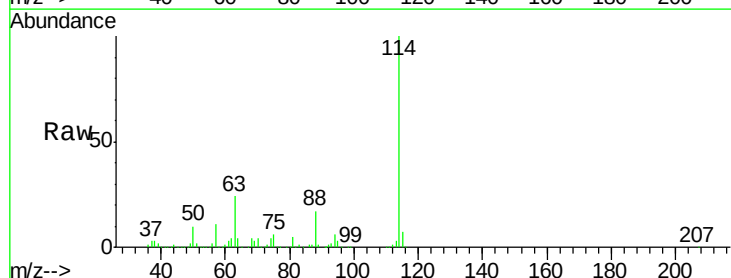
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

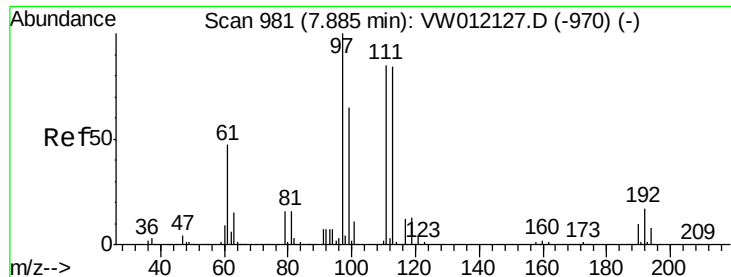
Tot Ion: 65 Resp: 159737  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 114 Resp: 431228  
 Ion Ratio Lower Upper  
 114 100  
 63 24.4 0.0 48.6  
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.310 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

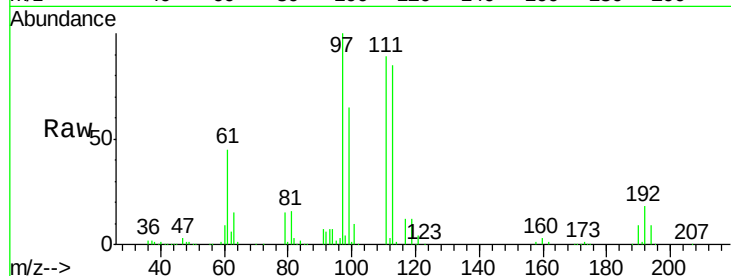
Tot Ion:113 Resp: 132072

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

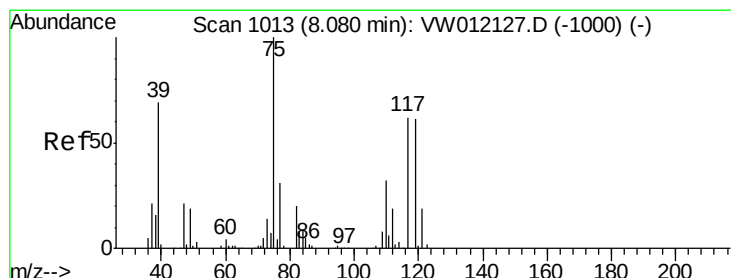
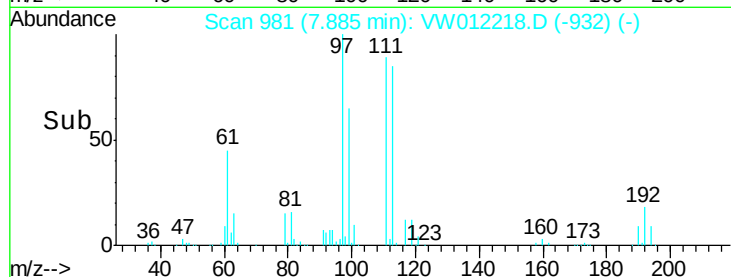
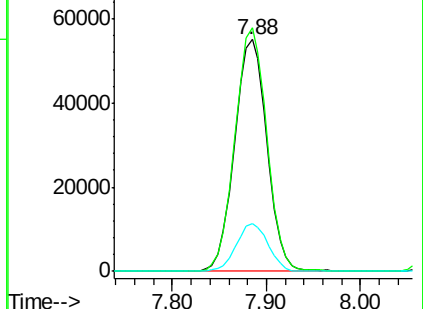
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.948 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

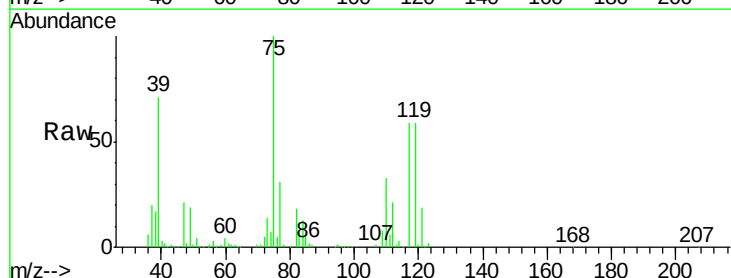
Tgt Ion: 75 Resp: 231491

Ion Ratio Lower Upper

75 100

110 31.8 15.6 46.8

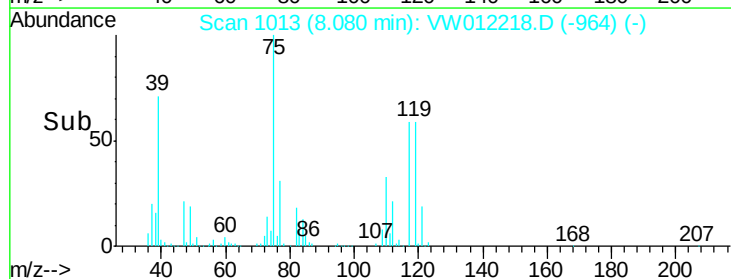
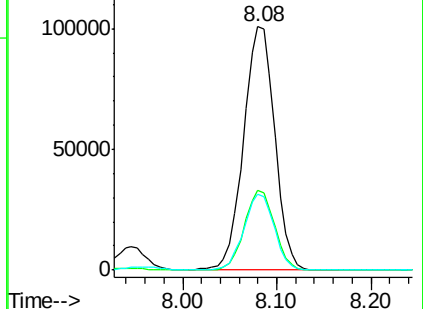
77 30.7 24.6 36.8

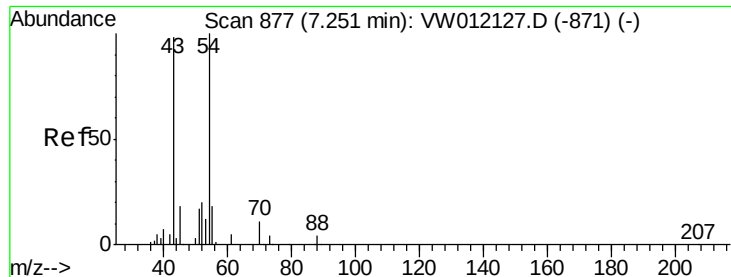


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 35.778 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

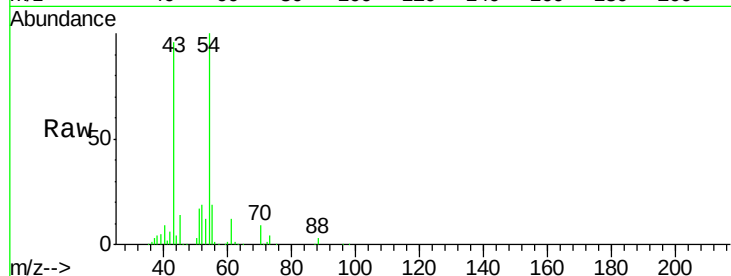
Tot Ion: 43 Resp: 87369

Ion Ratio Lower Upper

43 100

61 11.4 9.2 13.8

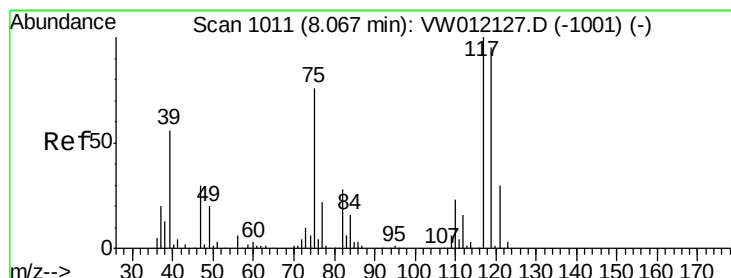
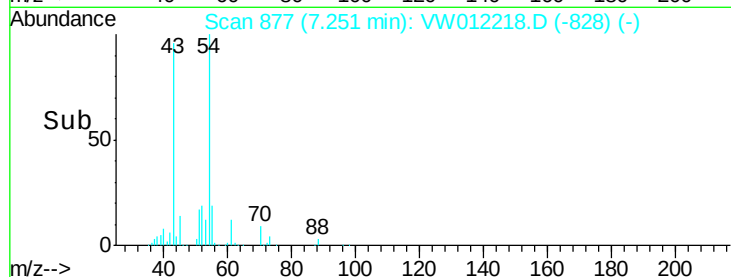
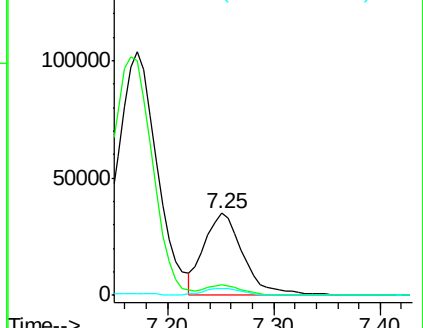
70 9.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 51.539 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

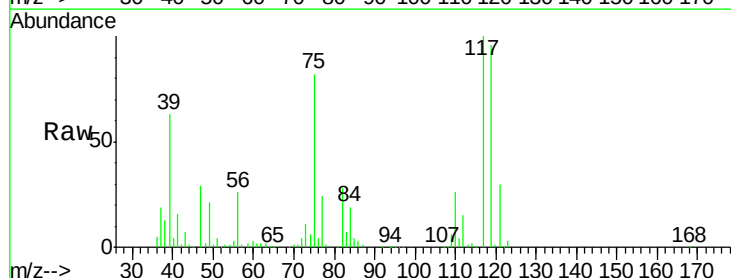
Tgt Ion: 117 Resp: 198784

Ion Ratio Lower Upper

117 100

119 95.6 76.2 114.2

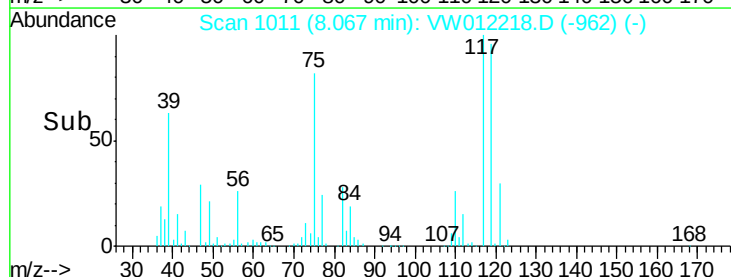
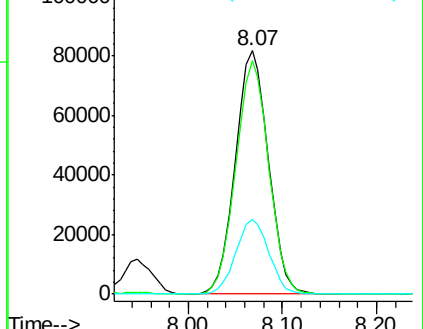
121 30.4 23.8 35.8

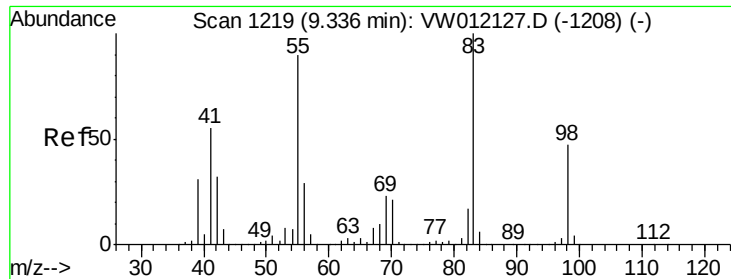


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

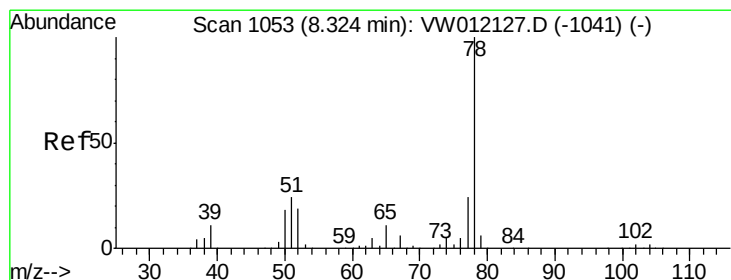
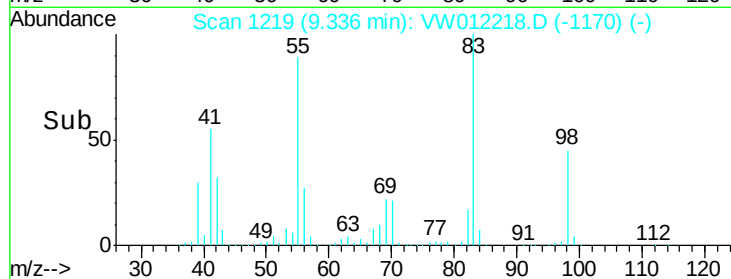
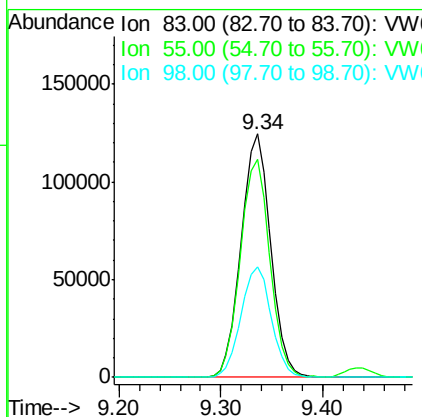
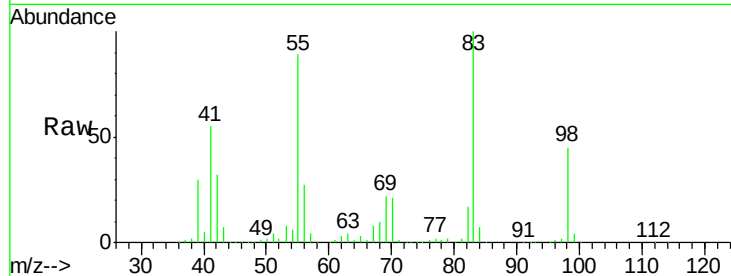




#39  
Methylvlcyclohexane  
Concen: 50.267 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

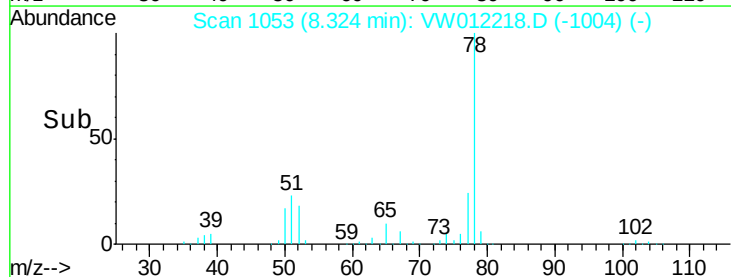
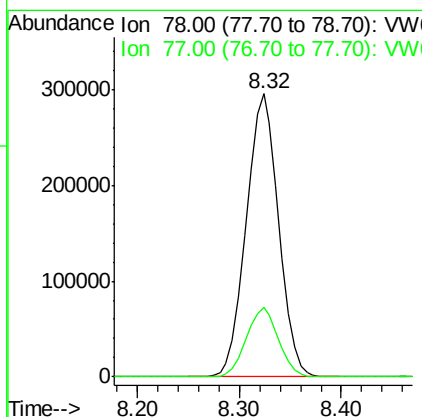
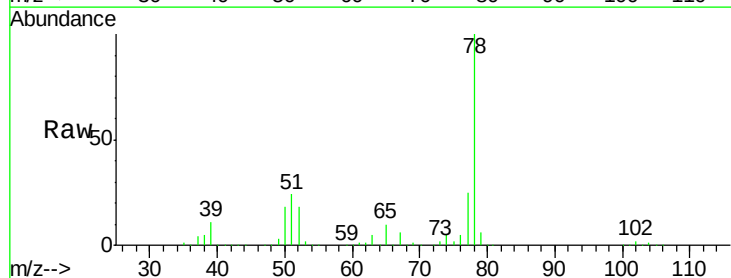
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

Tot Ion: 83 Resp: 251646  
Ion Ratio Lower Upper  
83 100  
55 89.2 71.8 107.8  
98 45.3 37.8 56.8

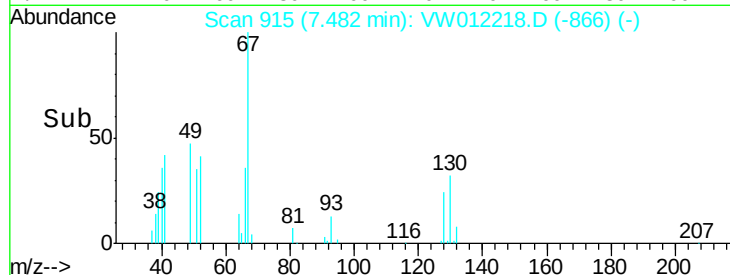
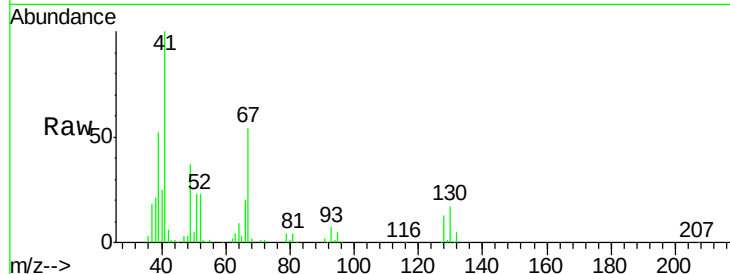
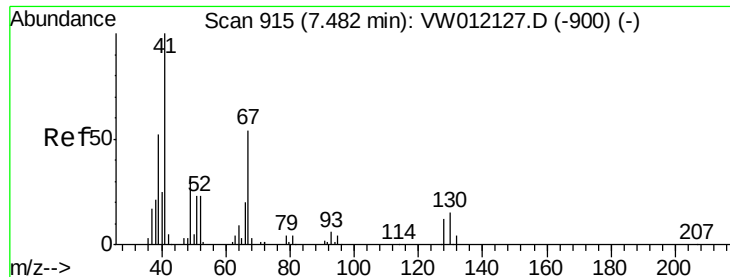


#40  
Benzene  
Concen: 53.523 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 78 Resp: 651274  
Ion Ratio Lower Upper  
78 100  
77 24.6 19.5 29.3



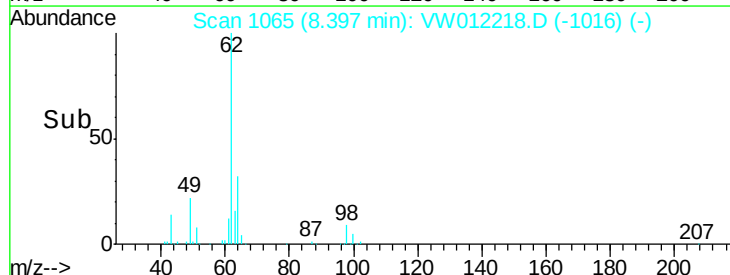
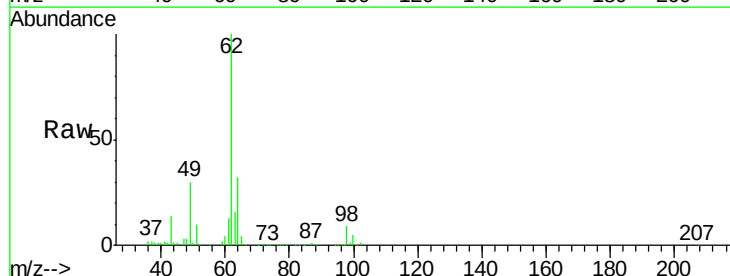
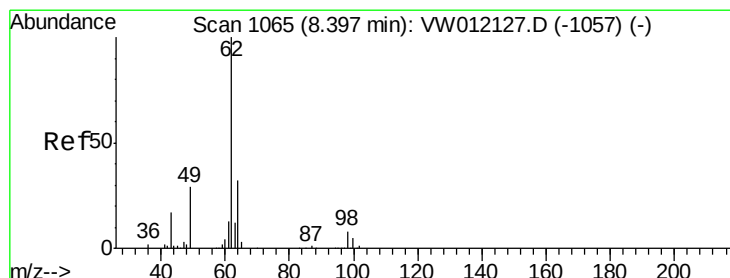
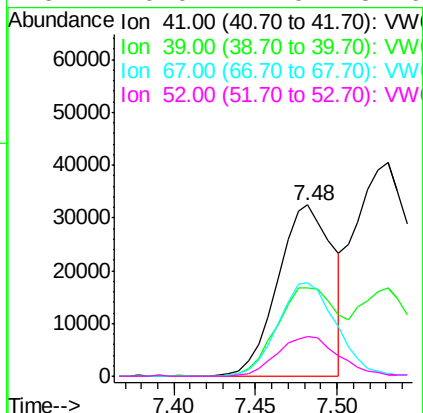




#41  
Methacrylonitrile  
Concen: 53.112 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

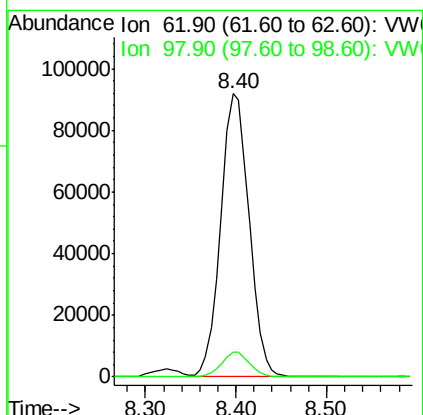
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

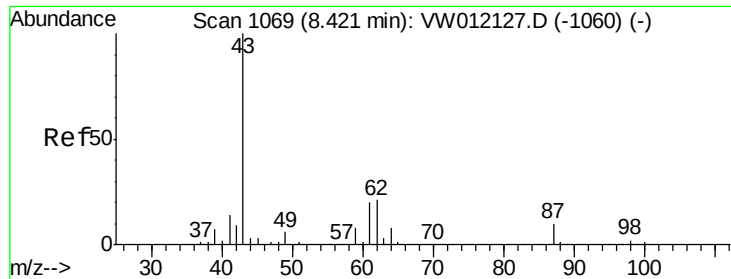
| Tot Ion: | 41    | Resp: | 76227 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.3  | 45.8  | 68.8  |
| 67       | 58.3  | 46.2  | 69.4  |
| 52       | 26.0  | 21.0  | 31.6  |



#42  
1,2-Dichloroethane  
Concen: 52.648 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

| Tgt Ion: | 62    | Resp: | 200779 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.5   | 0.0   | 16.6   |





#43

Isopropyl Acetate

Concen: 42.150 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

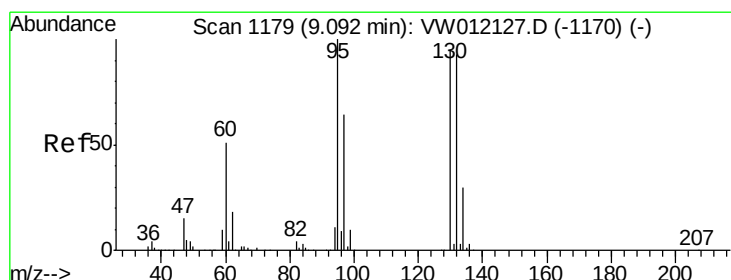
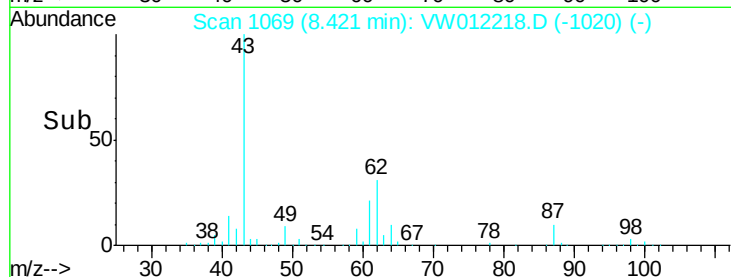
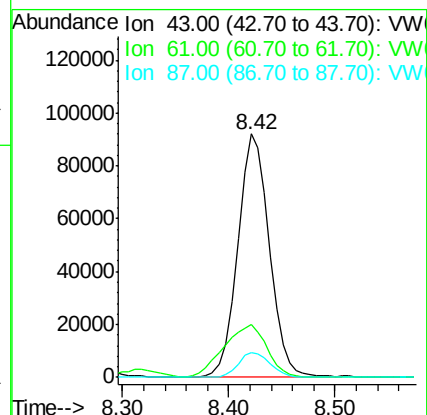
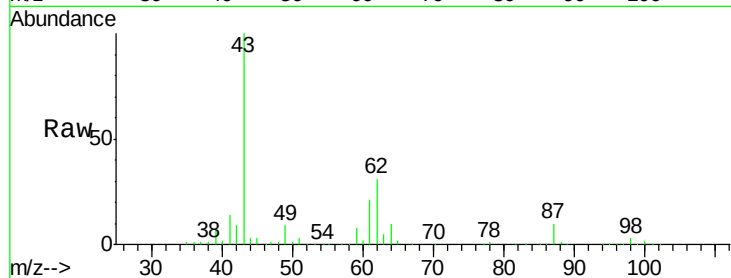
Tot Ion: 43 Resp: 190654

Ion Ratio Lower Upper

43 100

61 29.4 21.1 31.7

87 10.5 8.2 12.2



#44

Trichloroethene

Concen: 53.374 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012218.D

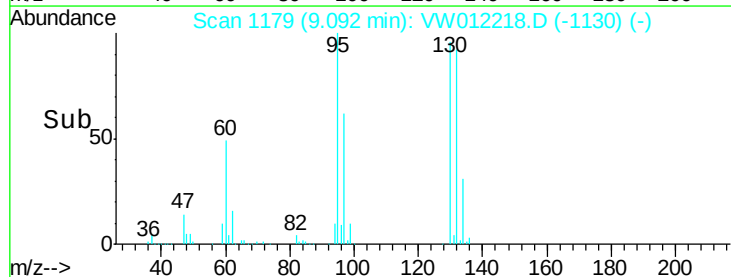
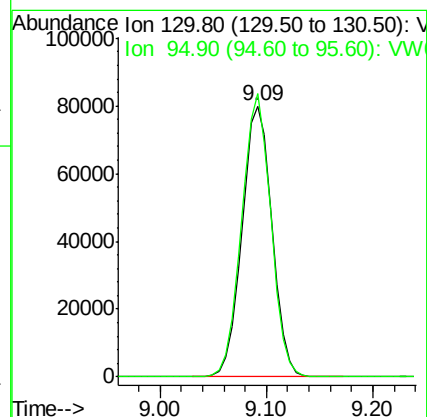
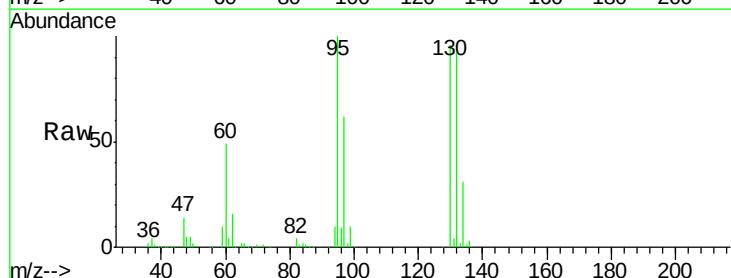
Acq: 27 Aug 2019 17:44

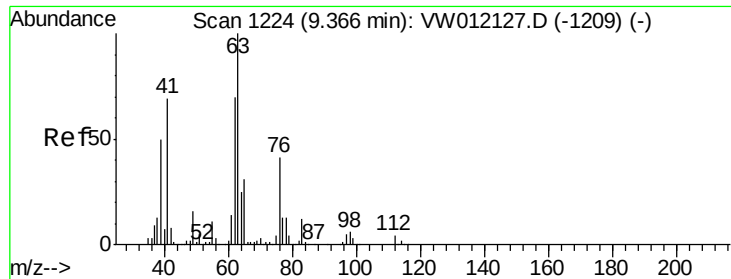
Tgt Ion: 130 Resp: 157881

Ion Ratio Lower Upper

130 100

95 104.5 0.0 210.6





#45

1,2-Dichloropropane

Concen: 53.964 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

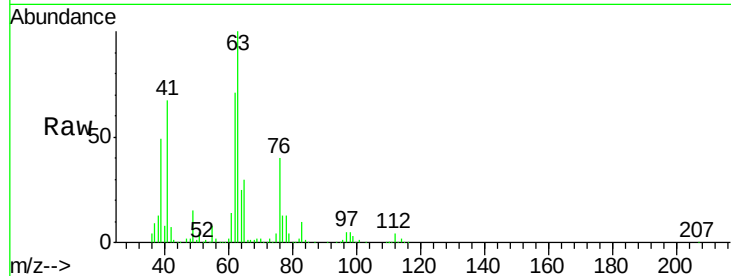
S402-K1-1.0-1.5-082619MSD

Tot Ion: 63 Resp: 176721

Ion Ratio Lower Upper

63 100

65 30.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

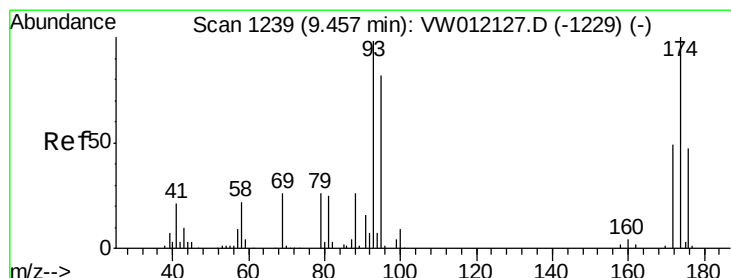
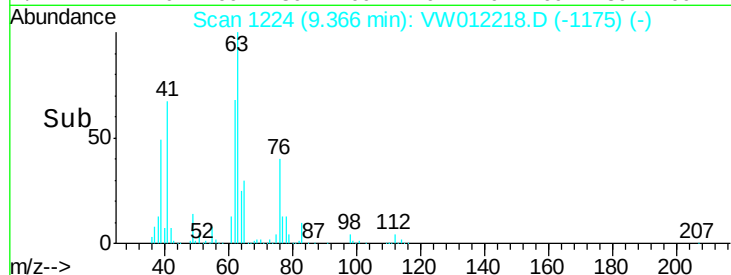
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.752 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

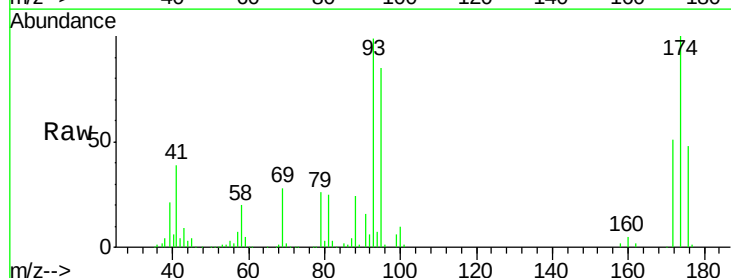
Tgt Ion: 93 Resp: 78319

Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 100.4 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

50000

40000

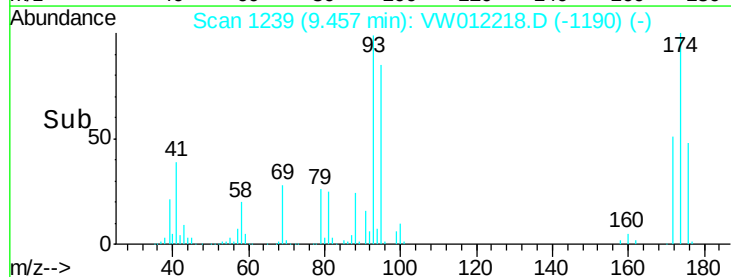
30000

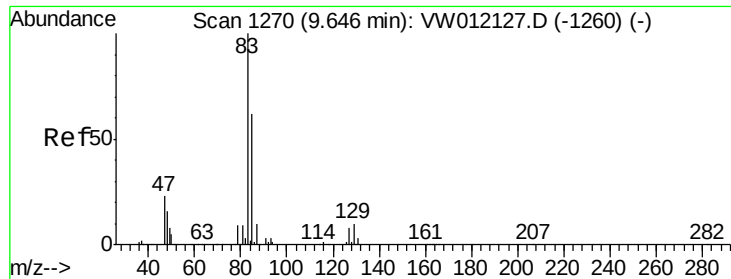
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 54.209 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

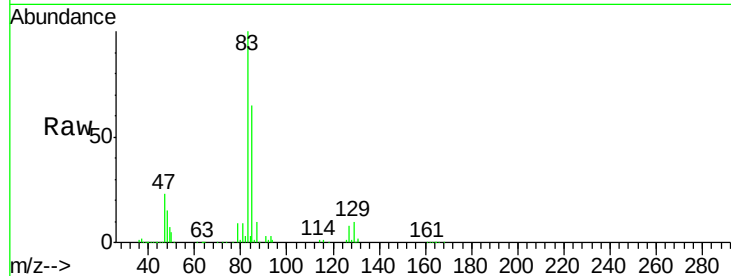
Tot Ion: 83 Resp: 210215

Ion Ratio Lower Upper

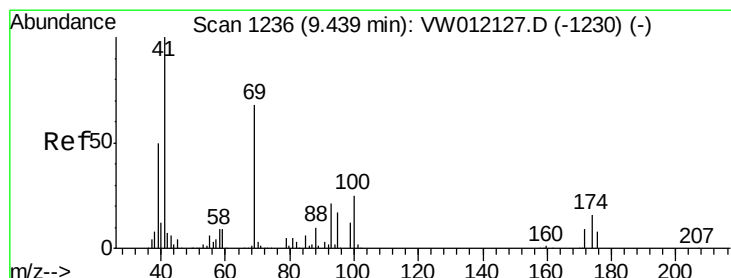
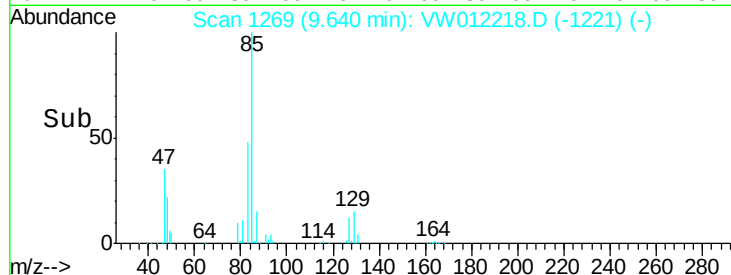
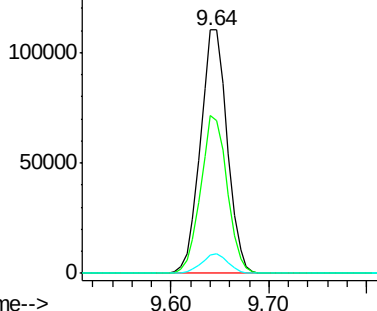
83 100

85 64.9 49.4 74.2

127 7.6 6.1 9.1



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: 66.456 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

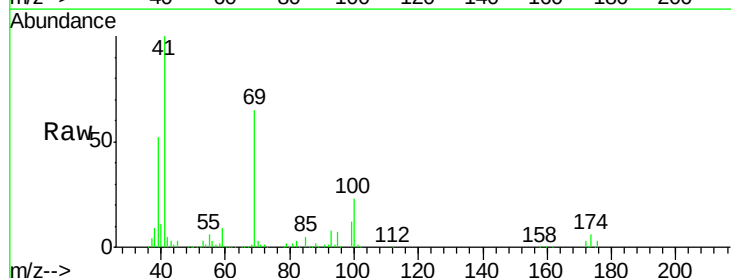
Tgt Ion: 41 Resp: 143069

Ion Ratio Lower Upper

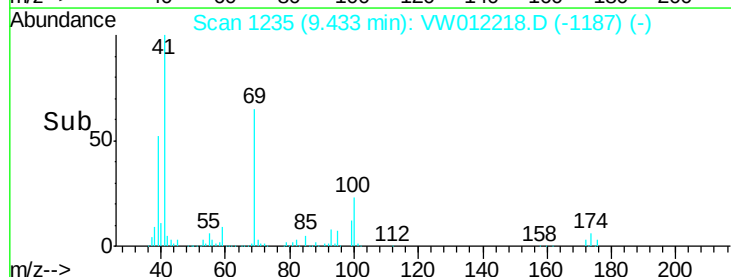
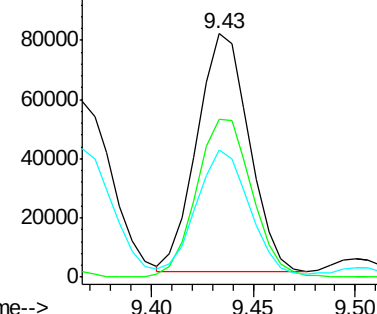
41 100

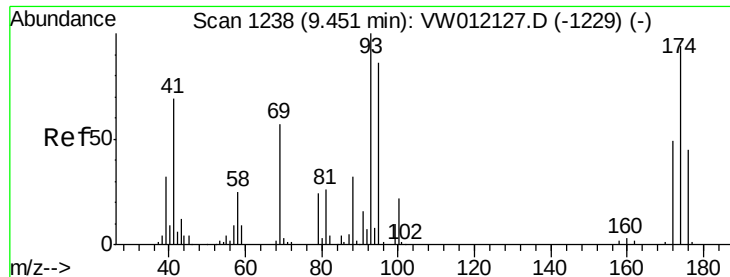
69 70.1 56.7 85.1

39 54.6 42.0 63.0



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: 979.026 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

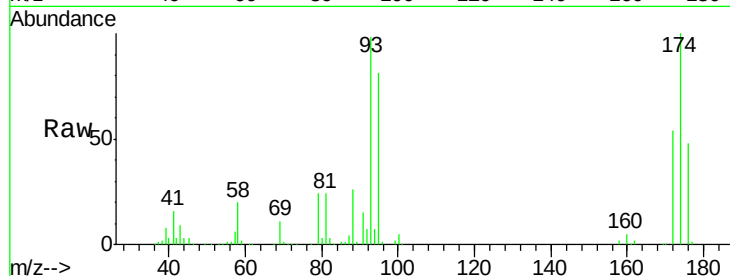
Tot Ion: 88 Resp: 21838

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

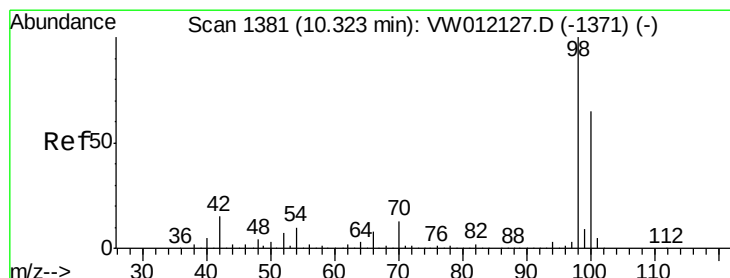
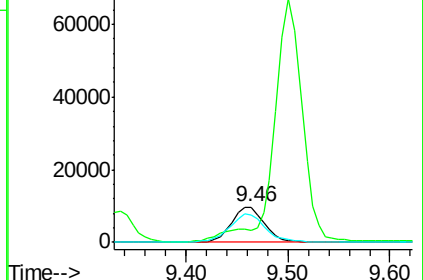
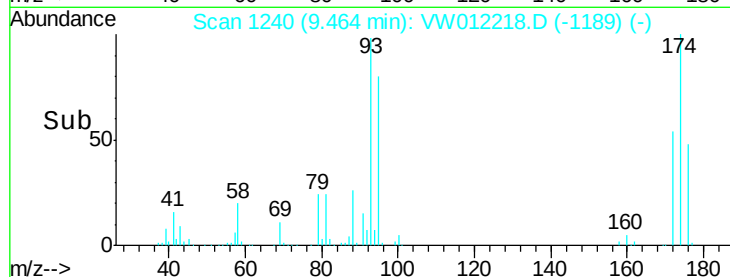
58 88.8 71.0 106.4



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: 50.765 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012218.D

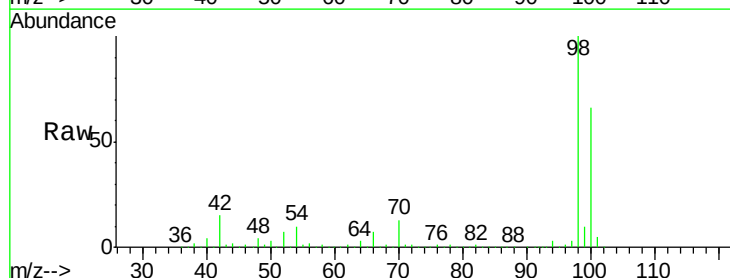
Acq: 27 Aug 2019 17:44

Tgt Ion: 98 Resp: 529824

Ion Ratio Lower Upper

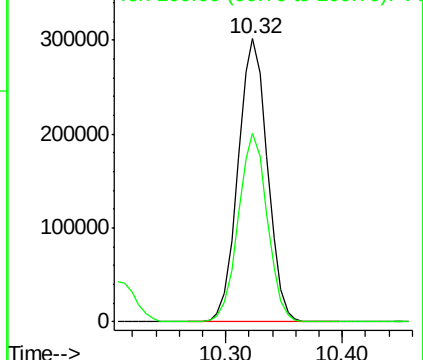
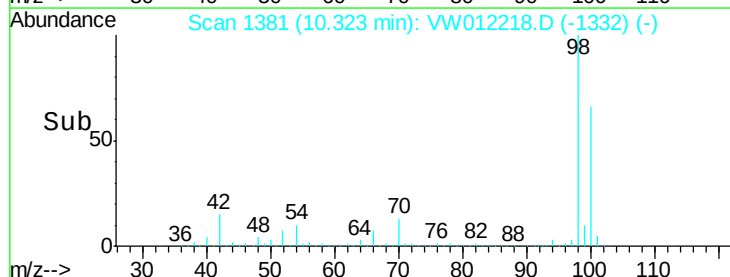
98 100

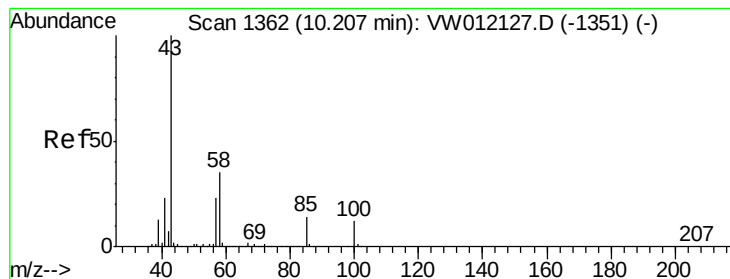
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 273.291 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

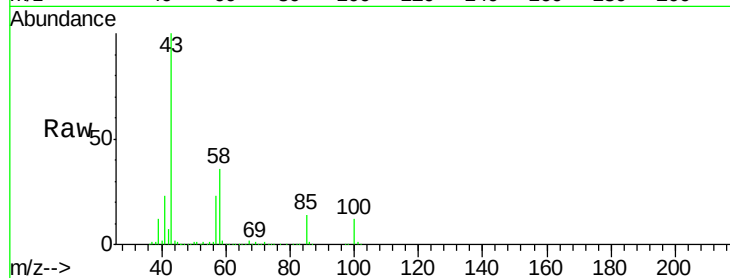
S402-K1-1.0-1.5-082619MSD

Tot Ion: 43 Resp: 628753

Ion Ratio Lower Upper

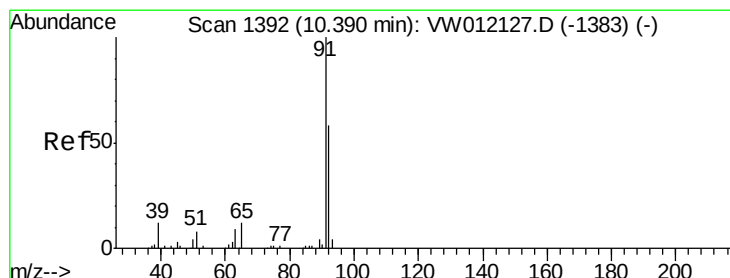
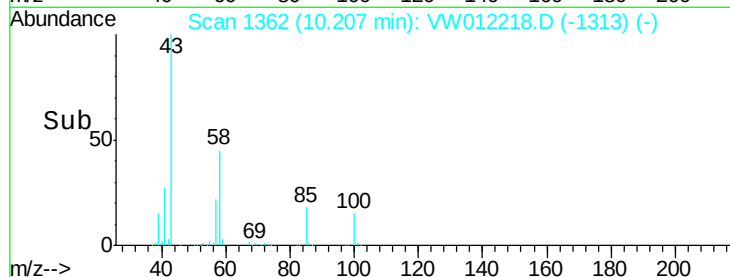
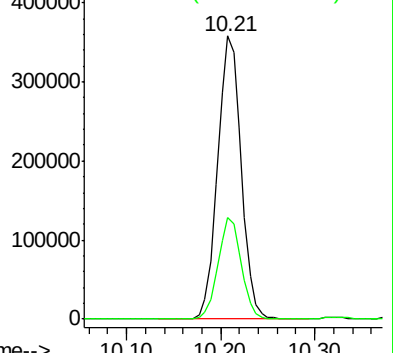
43 100

58 35.3 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 53.884 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012218.D

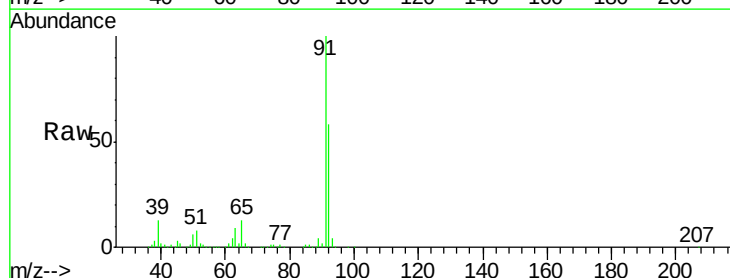
Acq: 27 Aug 2019 17:44

Tgt Ion: 92 Resp: 393888

Ion Ratio Lower Upper

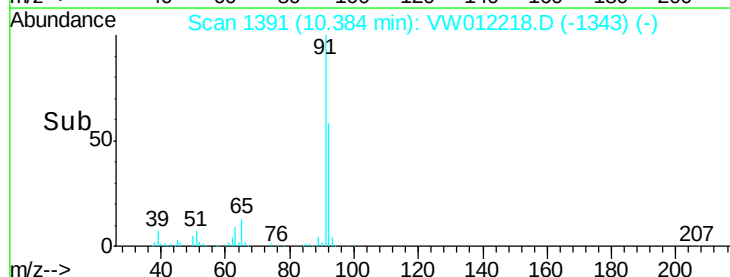
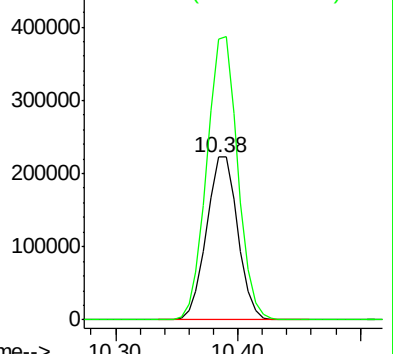
92 100

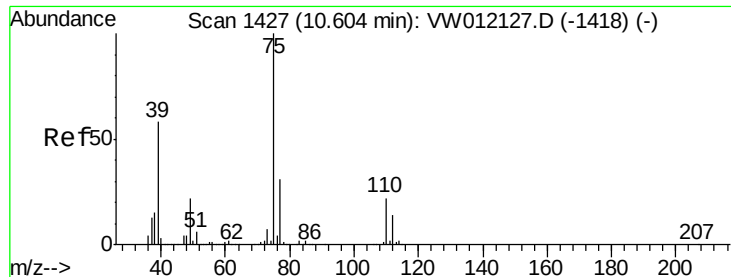
91 171.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 55.382 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

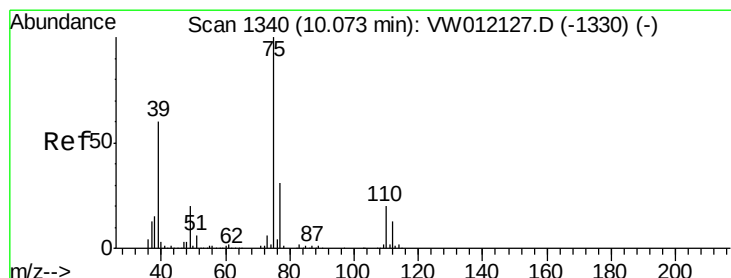
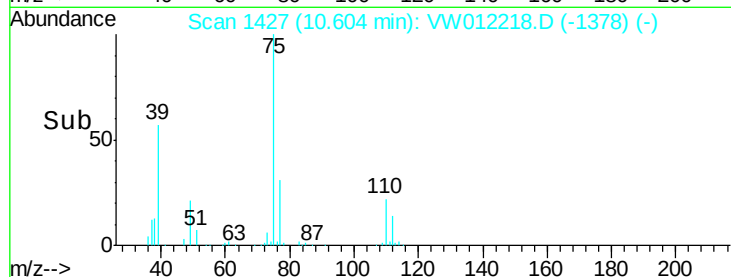
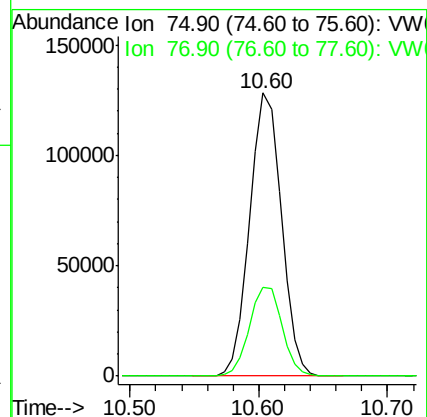
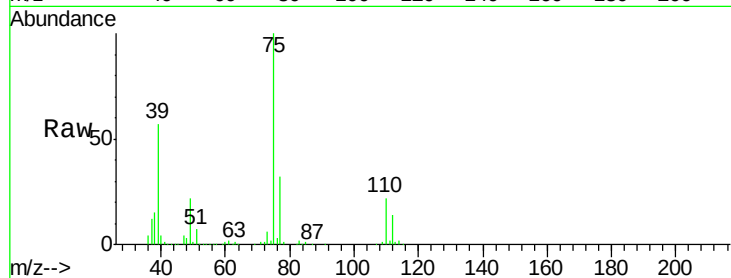
S402-K1-1.0-1.5-082619MSD

Tot Ion: 75 Resp: 218762

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 55.087 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

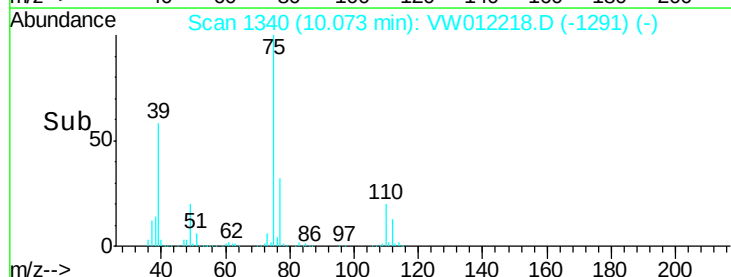
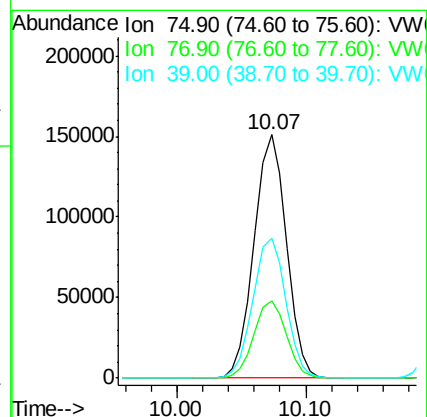
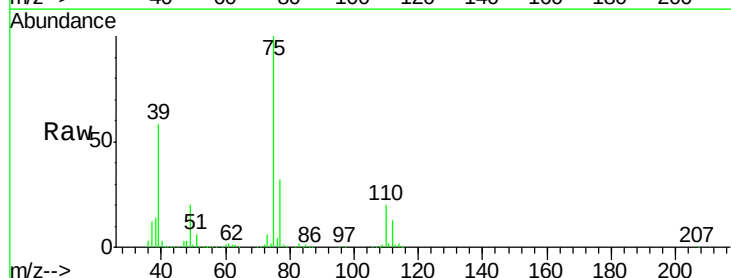
Tgt Ion: 75 Resp: 262735

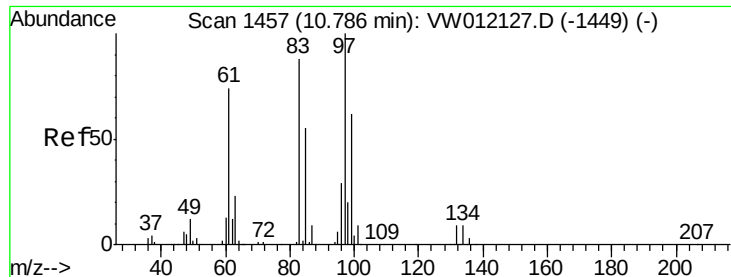
Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 57.6 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 54.791 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

Tot Ion: 97 Resp: 112953

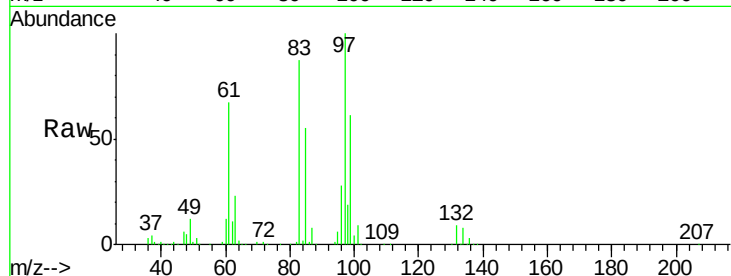
Ion Ratio Lower Upper

97 100

83 86.6 70.8 106.2

85 55.2 43.8 65.8

99 61.3 49.8 74.6



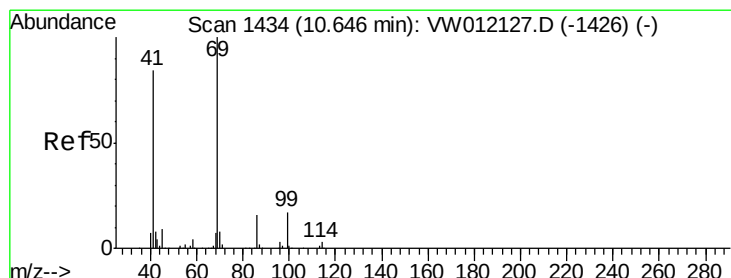
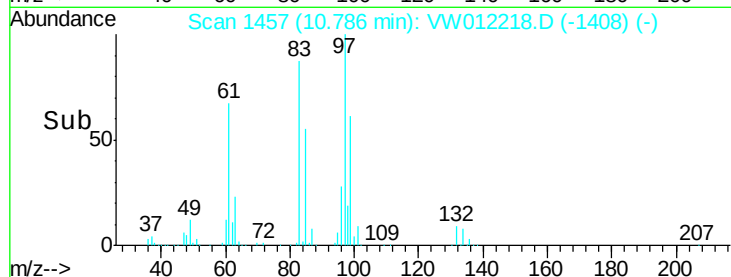
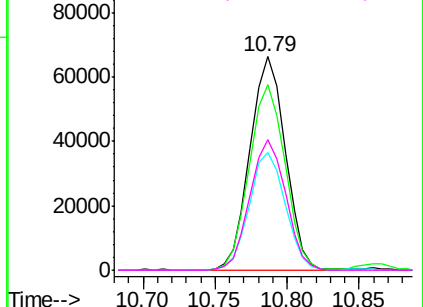
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 40.383 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

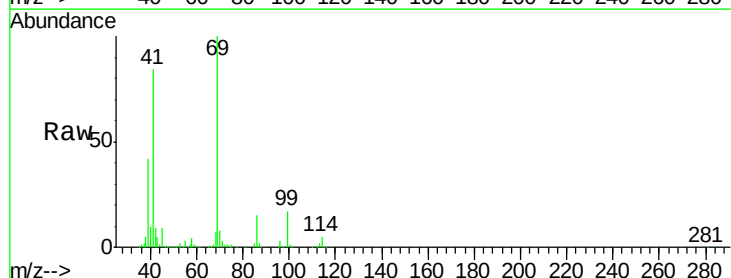
Tgt Ion: 69 Resp: 121164

Ion Ratio Lower Upper

69 100

41 83.4 66.5 99.7

39 38.4 31.0 46.4

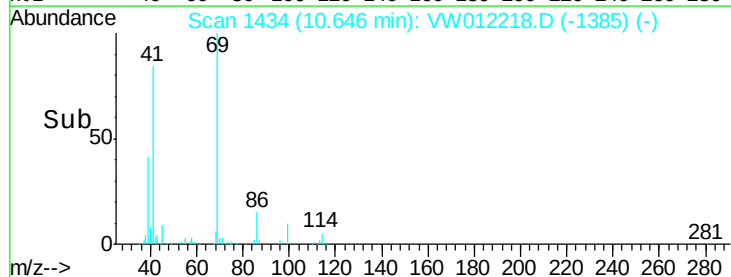
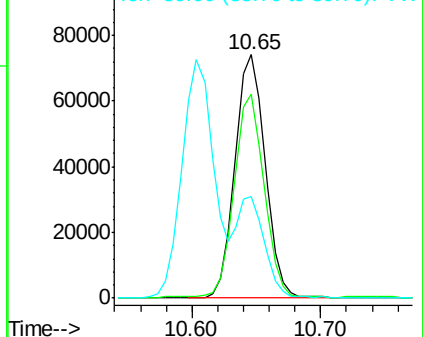


Abundance

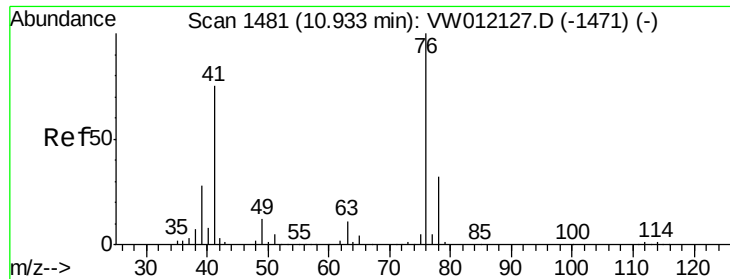
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



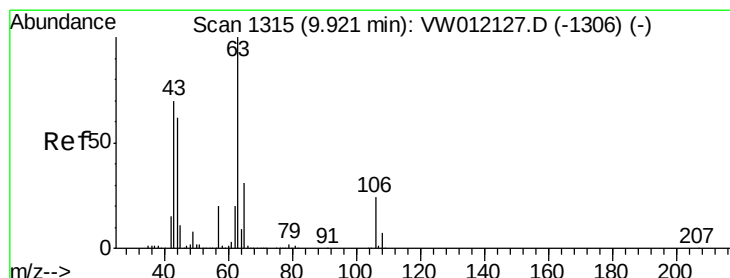
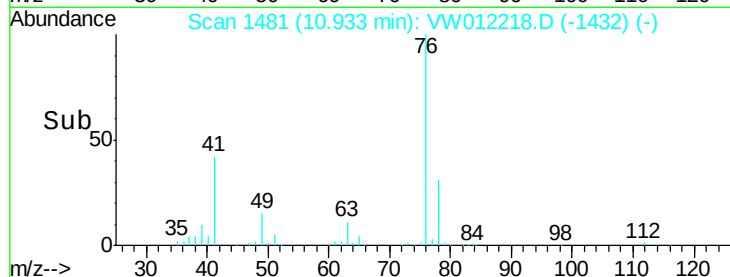
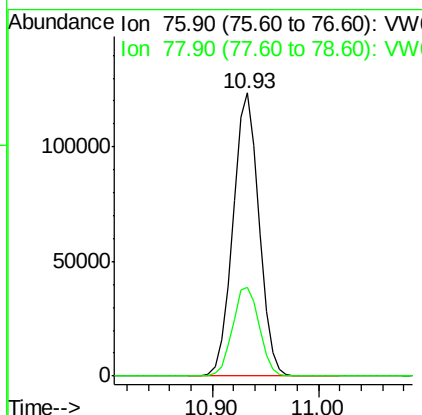
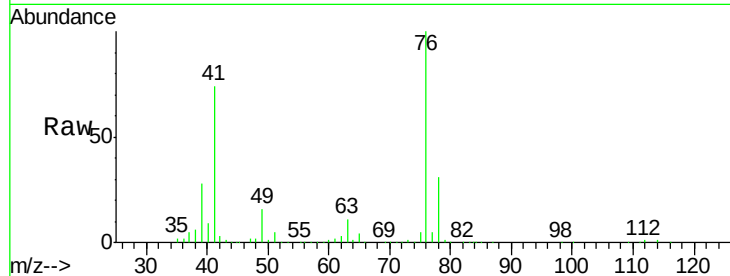




#57  
 1,3-Dichloropropane  
 Concen: 54.329 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

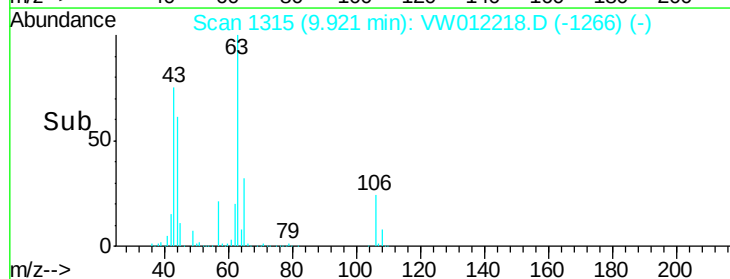
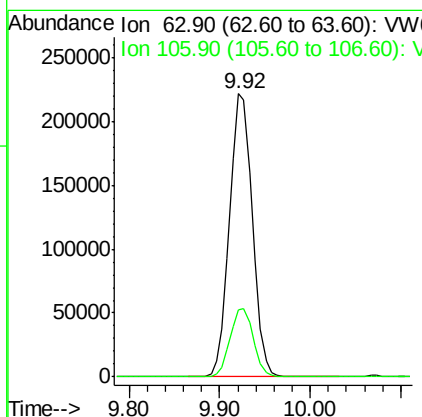
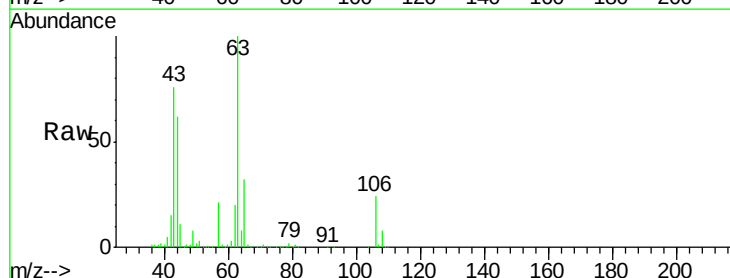
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

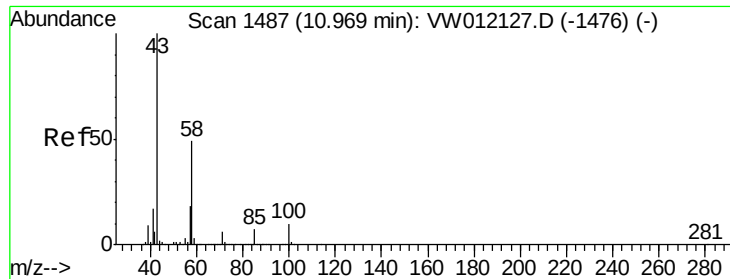
Tot Ion: 76 Resp: 211654  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.8 38.8



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 252.494 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 63 Resp: 388807  
 Ion Ratio Lower Upper  
 63 100  
 106 24.6 19.8 29.8

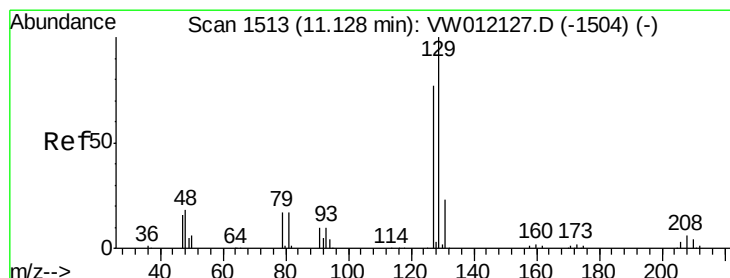
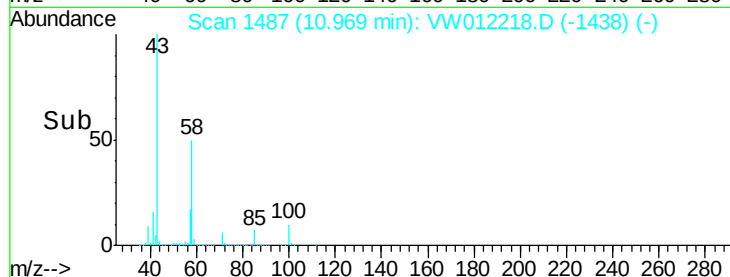
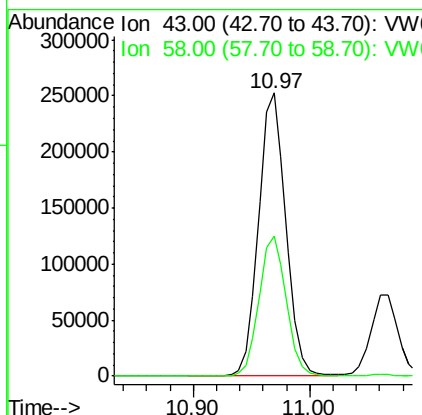
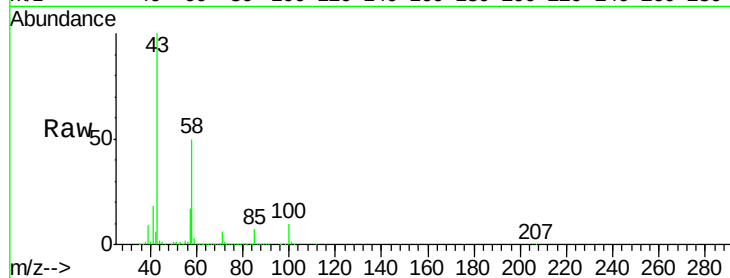




#59  
2-Hexanone  
Concen: 253.402 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

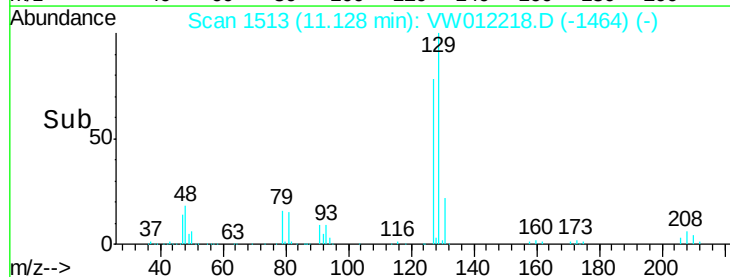
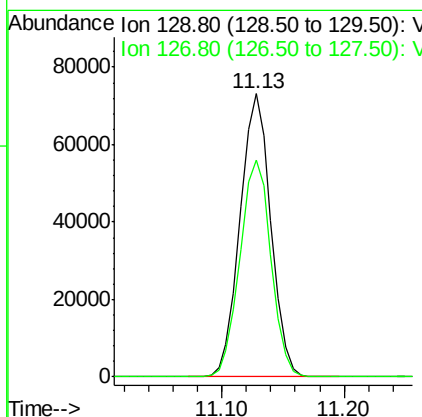
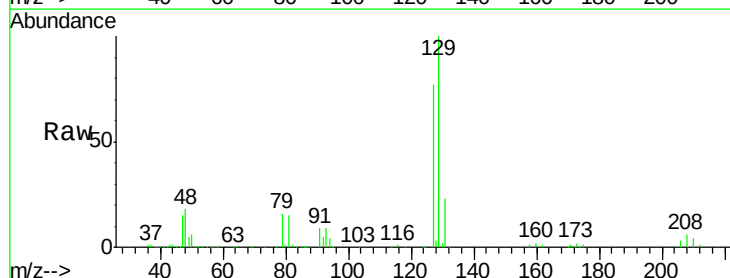
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

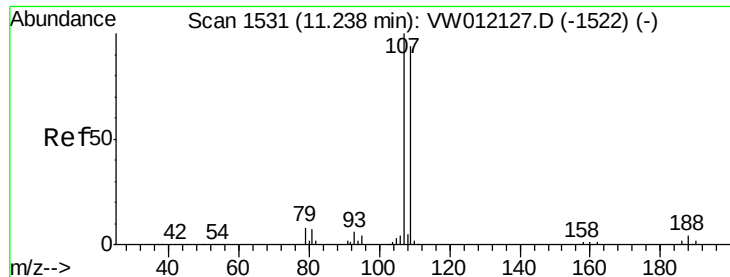
Tot Ion: 43 Resp: 412506  
Ion Ratio Lower Upper  
43 100  
58 49.5 24.3 72.9



#60  
Dibromochloromethane  
Concen: 55.512 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 129 Resp: 127466  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.6 115.8

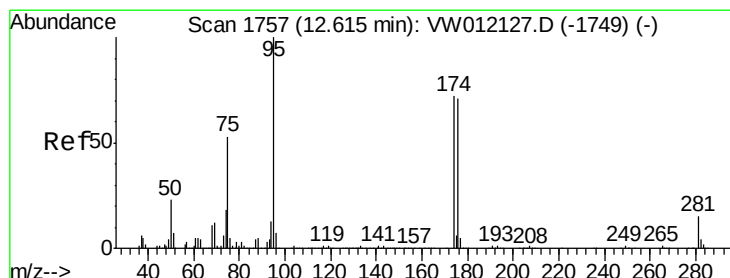
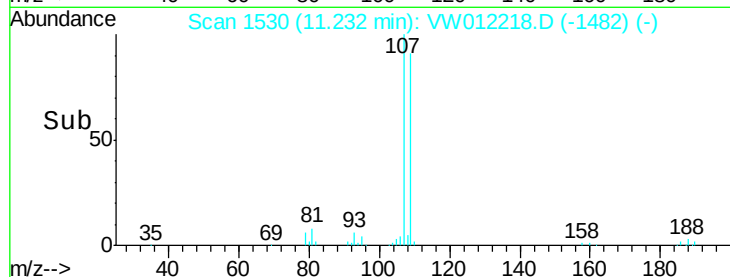
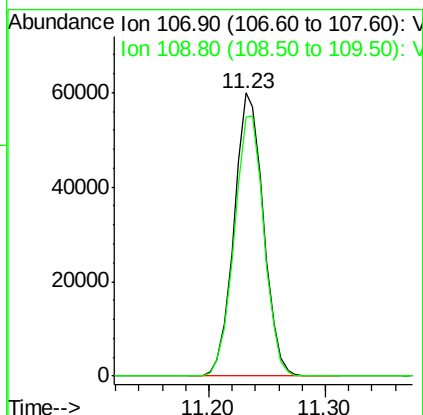
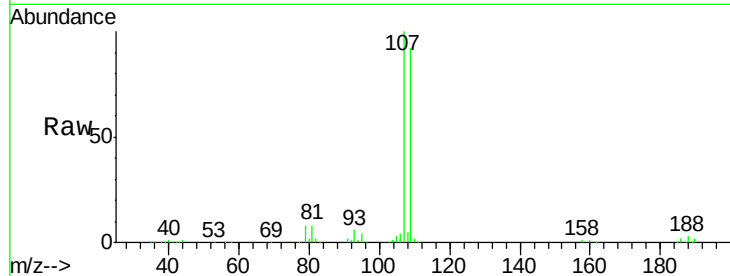




#61  
 1,2-Dibromoethane  
 Concen: 54.579 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.01 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

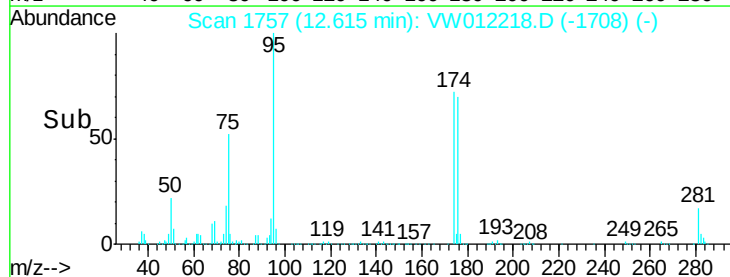
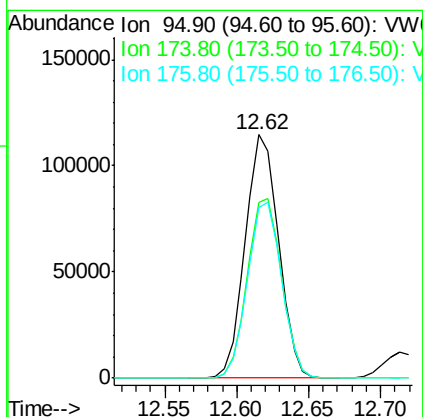
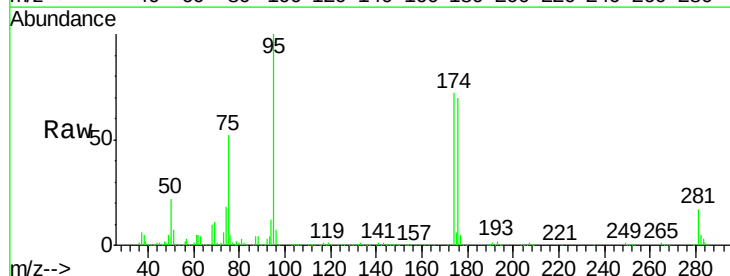
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

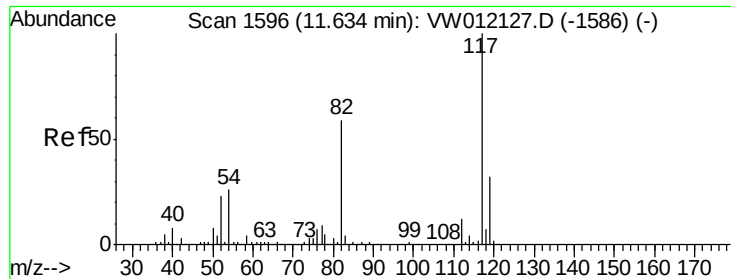
Tot Ion: 107 Resp: 104823  
 Ion Ratio Lower Upper  
 107 100  
 109 93.6 75.4 113.2



#62  
 4-Bromofluorobenzene  
 Concen: 50.048 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 95 Resp: 184125  
 Ion Ratio Lower Upper  
 95 100  
 174 75.7 0.0 150.8  
 176 73.7 0.0 148.6

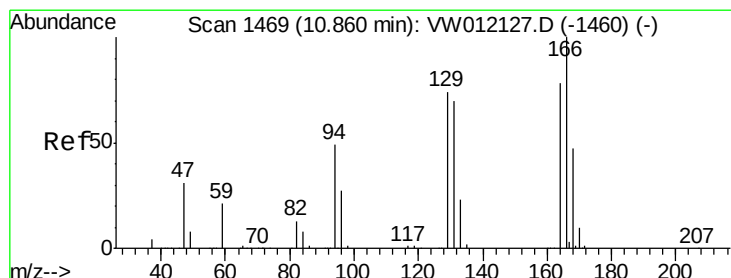
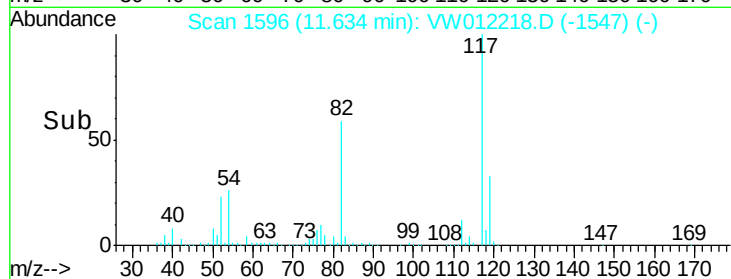
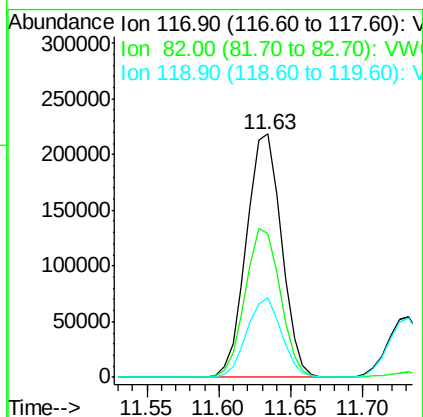
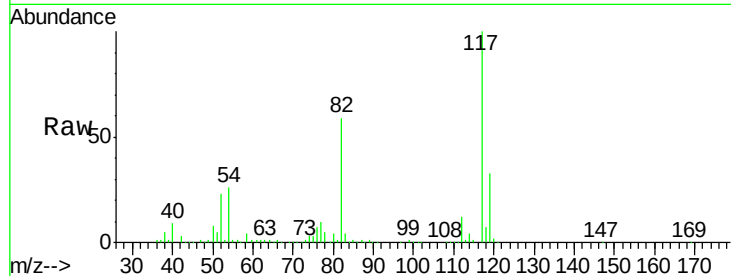




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

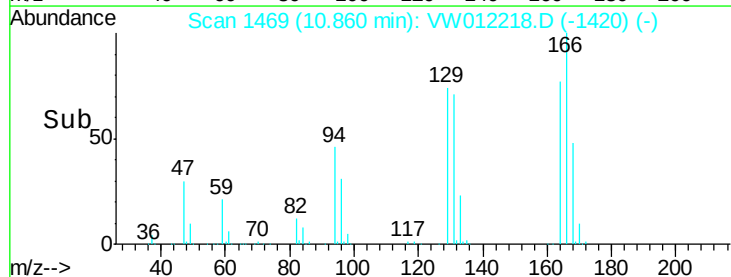
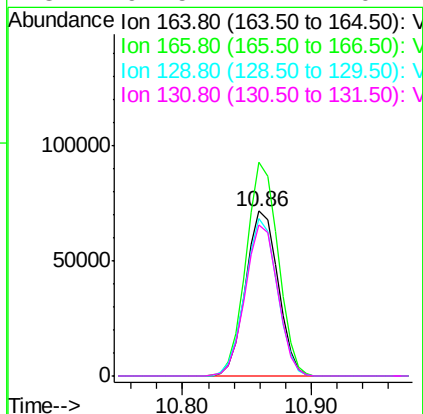
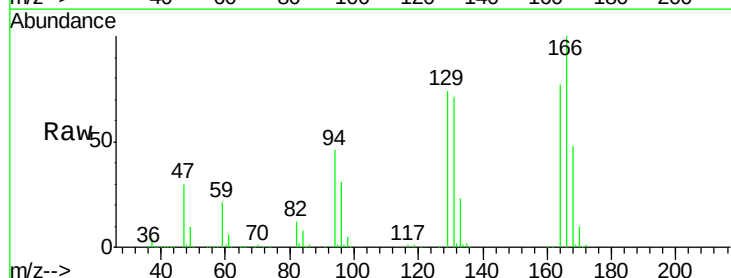
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

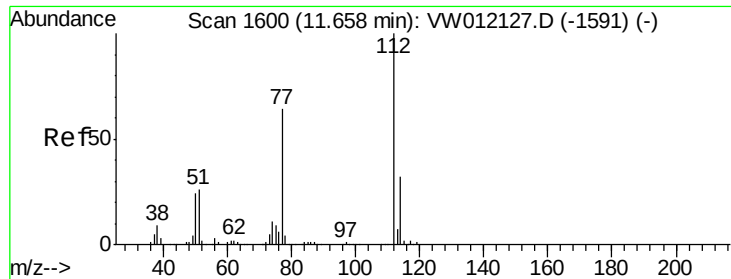
Tot Ion:117 Resp: 368984  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.4 71.2  
119 32.6 25.4 38.2



#64  
Tetrachloroethene  
Concen: 51.916 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion:164 Resp: 124195  
Ion Ratio Lower Upper  
164 100  
166 129.6 102.4 153.6  
129 95.6 75.8 113.6  
131 91.5 71.4 107.2

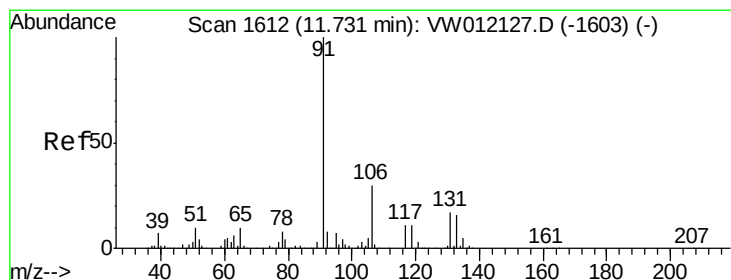
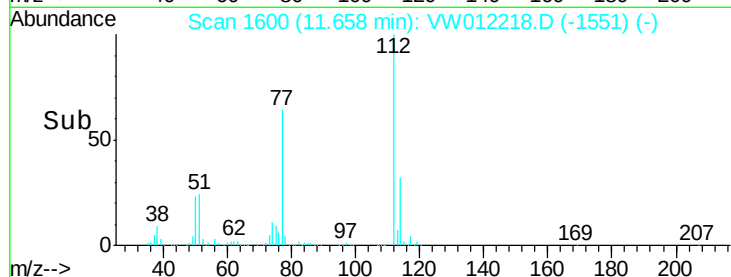
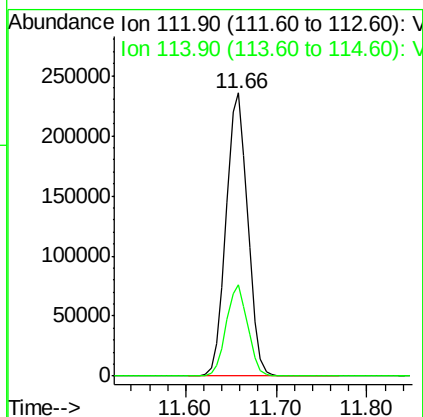
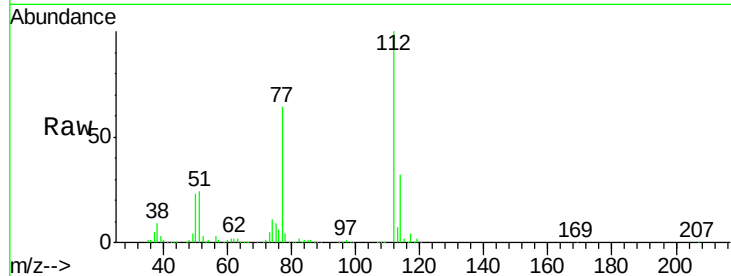




#65  
Chlorobenzene  
Concen: 53.714 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

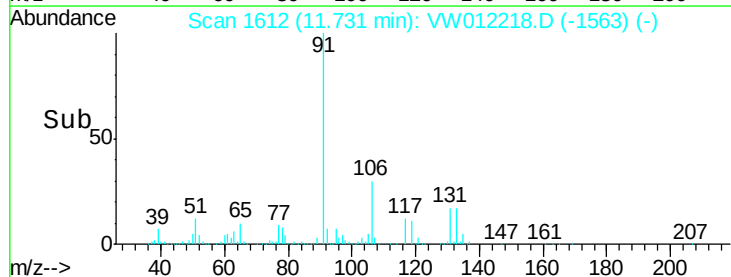
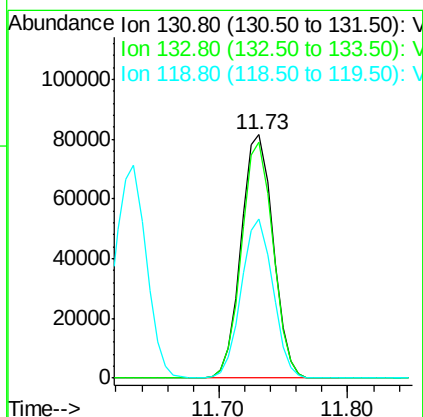
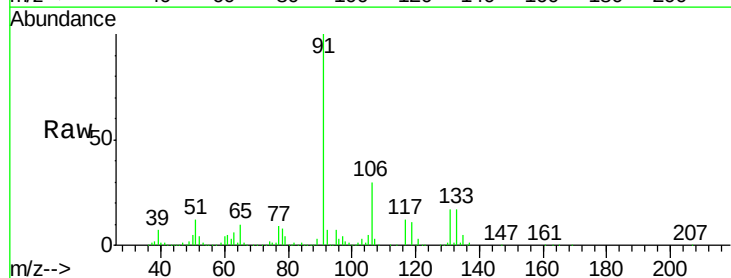
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

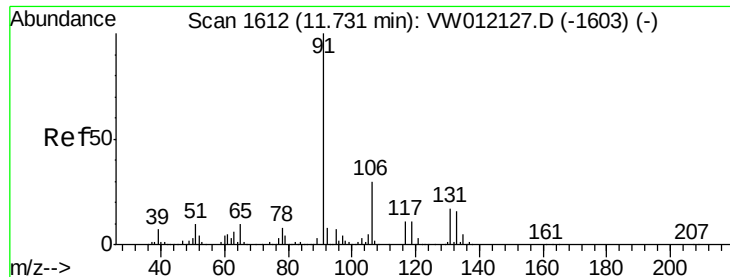
Tot Ion:112 Resp: 390265  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.262 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion:131 Resp: 140071  
Ion Ratio Lower Upper  
131 100  
133 95.4 47.1 141.3  
119 64.7 31.8 95.3

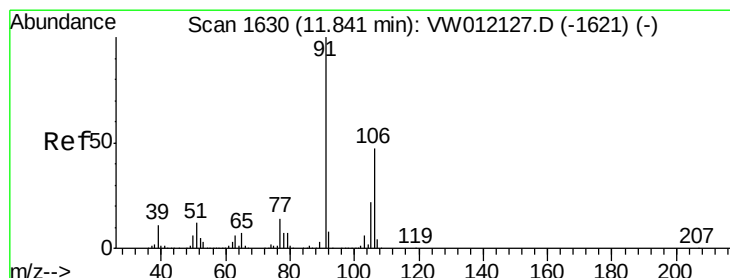
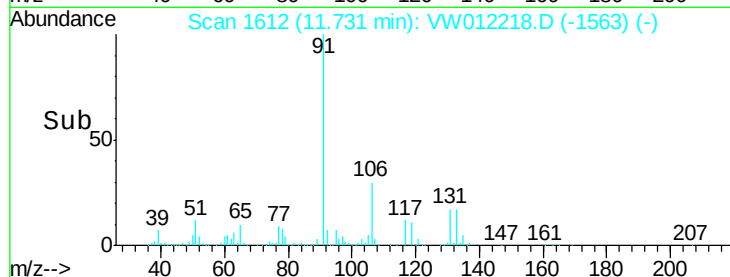
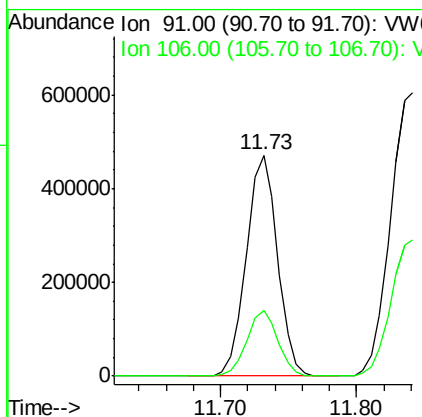
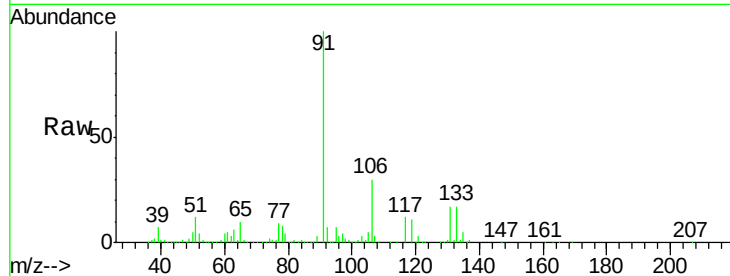




#67  
Ethyl Benzene  
Concen: 54.031 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

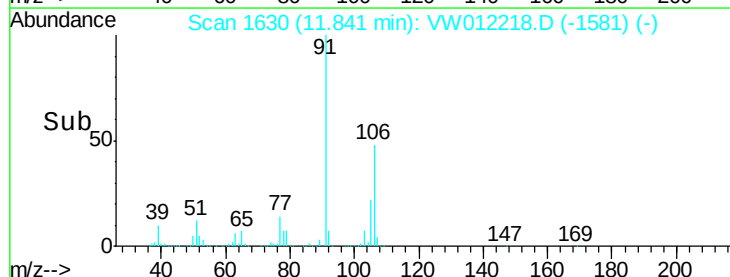
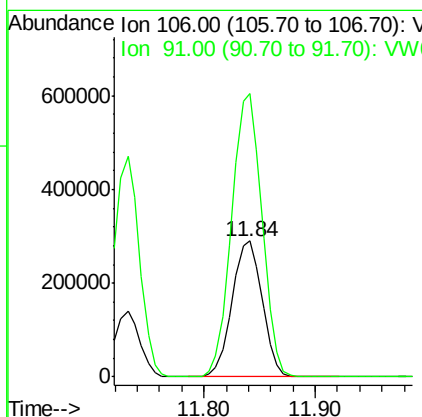
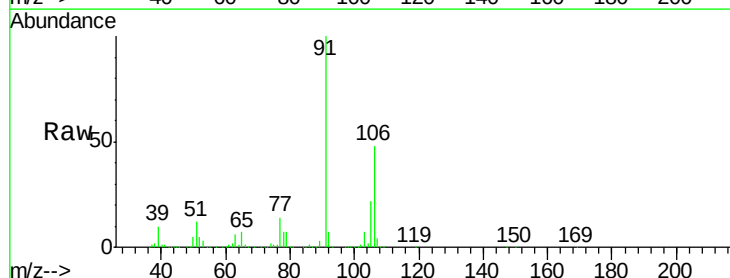
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

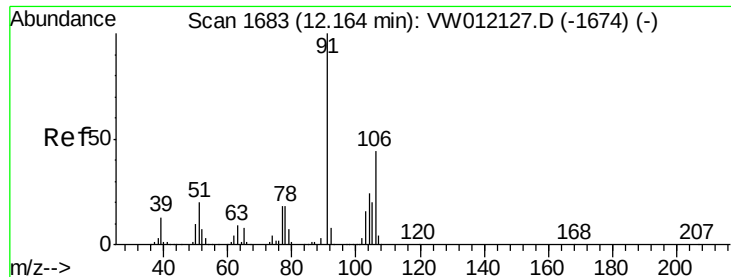
Tot Ion: 91 Resp: 756222  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.3 36.5



#68  
m/p-Xylenes  
Concen: 107.667 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 106 Resp: 542805  
Ion Ratio Lower Upper  
106 100  
91 209.9 169.5 254.3

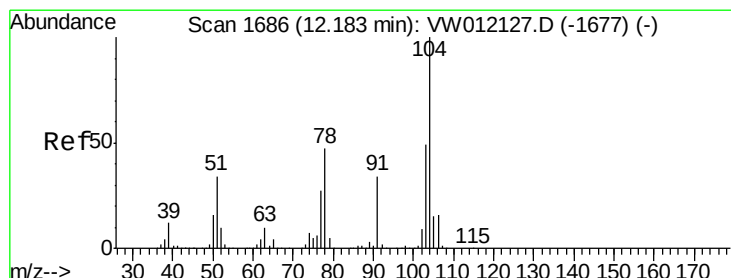
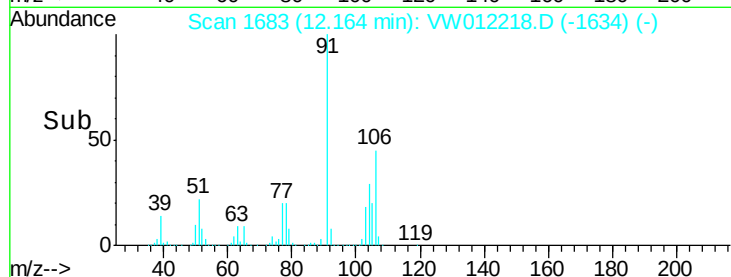
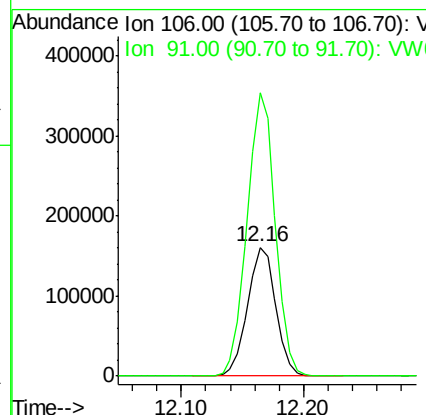
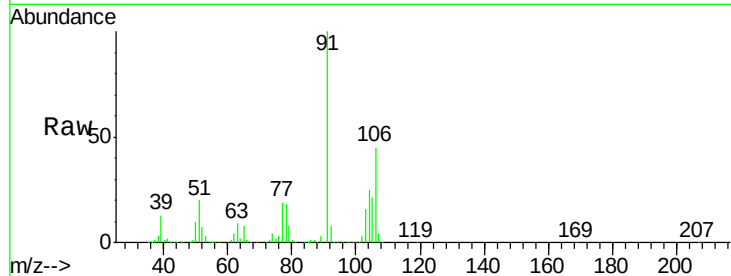




#69  
o-Xylene  
Concen: 55.094 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

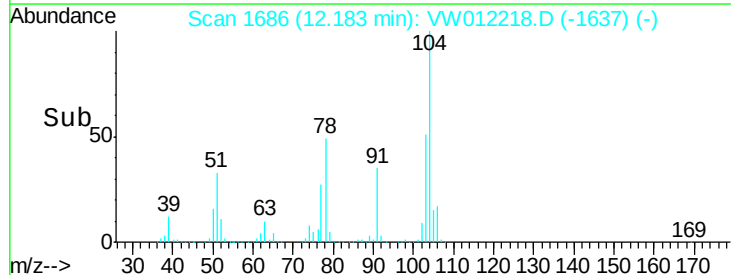
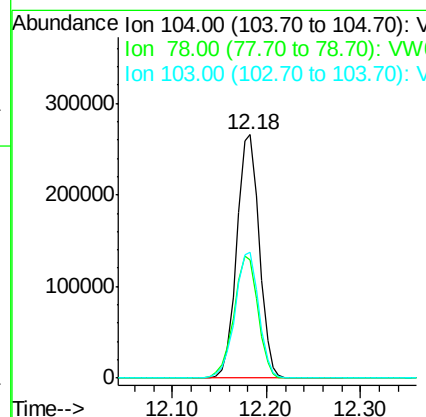
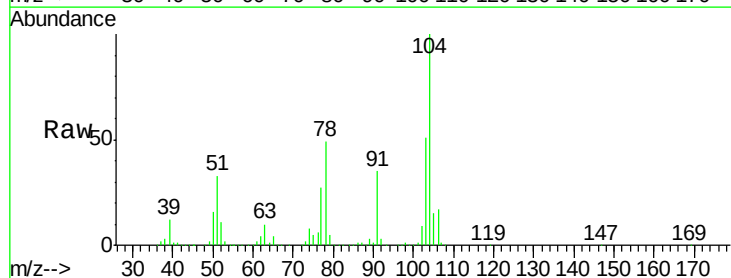
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

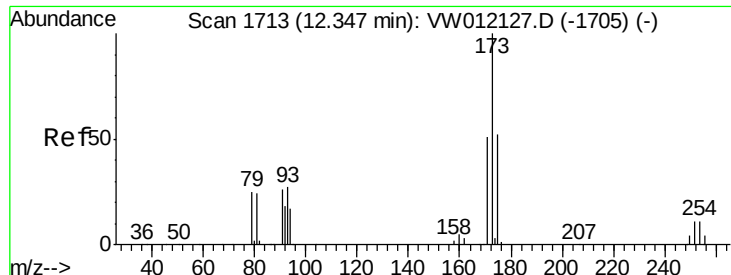
Tot Ion:106 Resp: 257071  
Ion Ratio Lower Upper  
106 100  
91 219.9 111.6 334.6



#70  
Styrene  
Concen: 54.410 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion:104 Resp: 439442  
Ion Ratio Lower Upper  
104 100  
78 53.9 43.1 64.7  
103 54.8 43.5 65.3





#71

Bromoform

Concen: 55.641 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

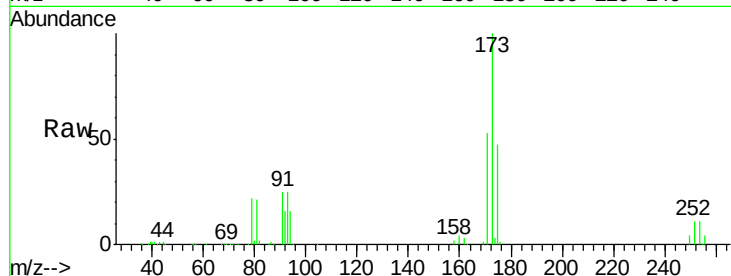
Tot Ion:173 Resp: 70266

Ion Ratio Lower Upper

173 100

175 48.5 24.6 74.0

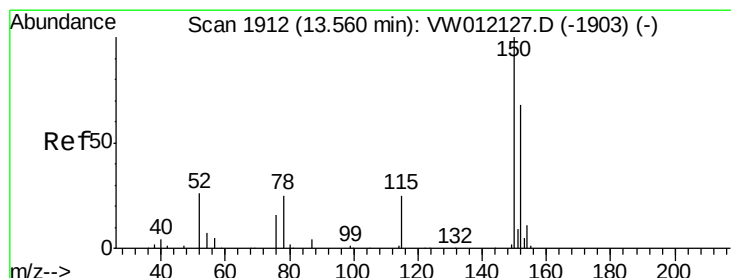
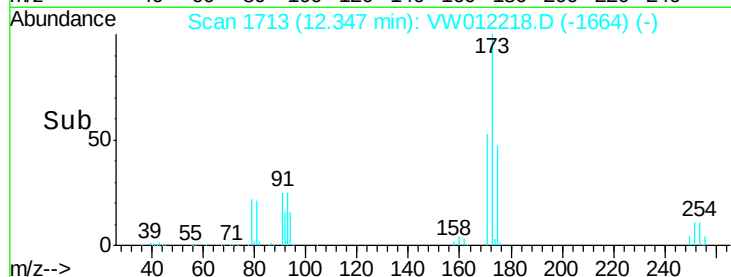
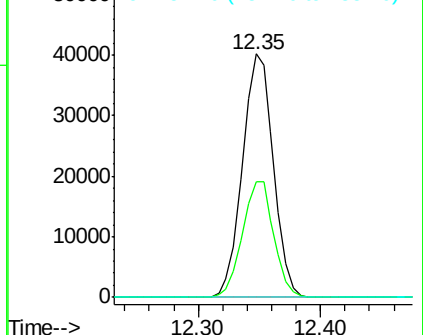
254 0.1 0.2 0.2#



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: VW012218.D

Acq: 27 Aug 2019 17:44

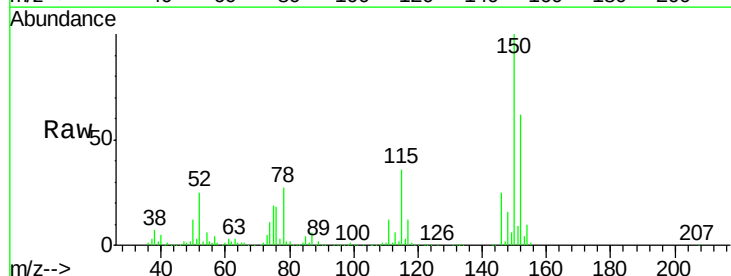
Tgt Ion:152 Resp: 167094

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.3

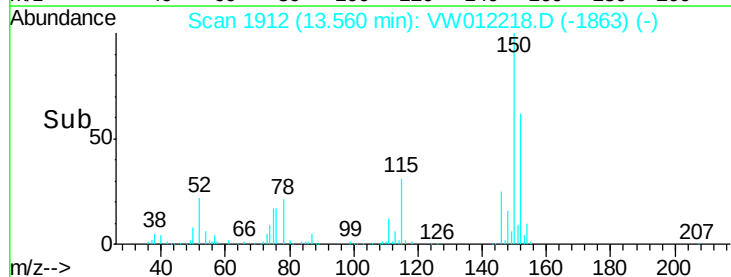
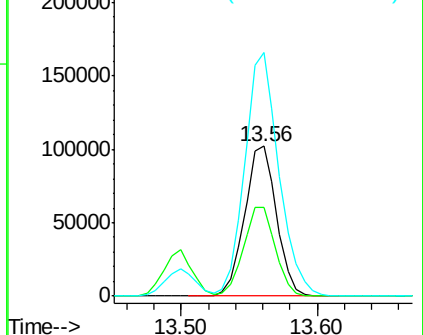
150 173.6 0.0 345.8



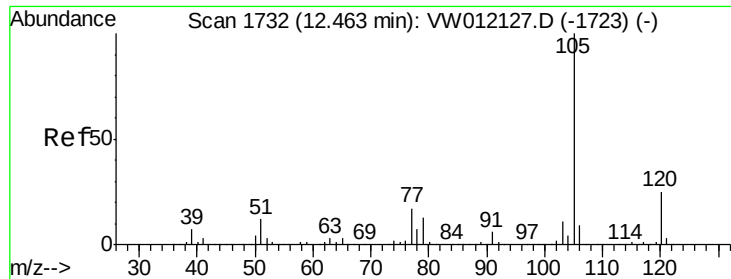
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



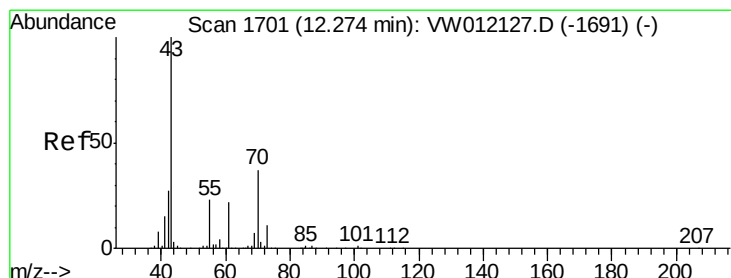
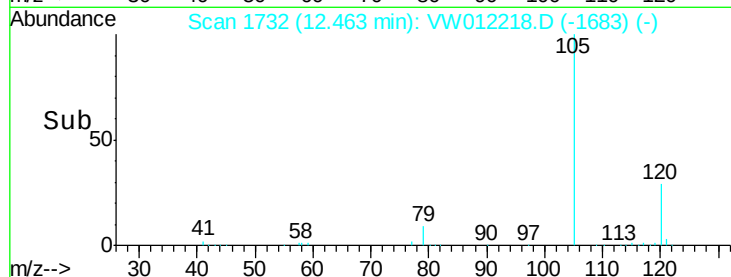
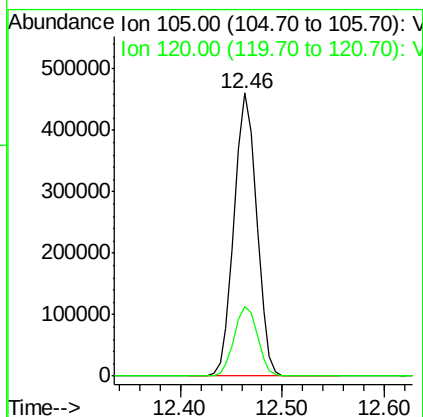
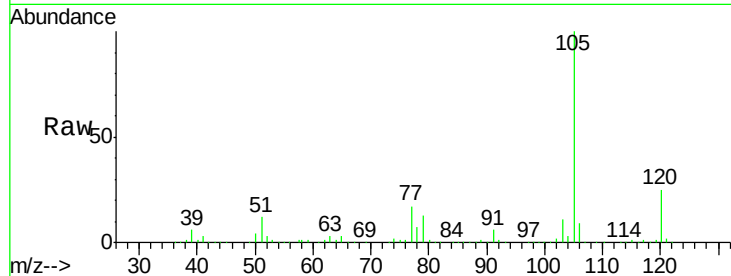




#73  
Isopropylbenzene  
Concen: 56.274 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

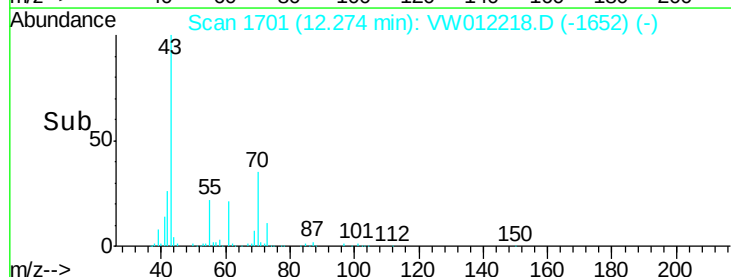
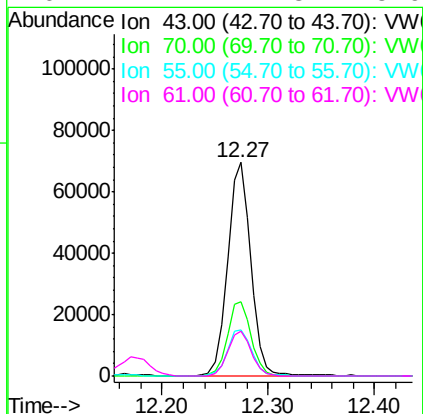
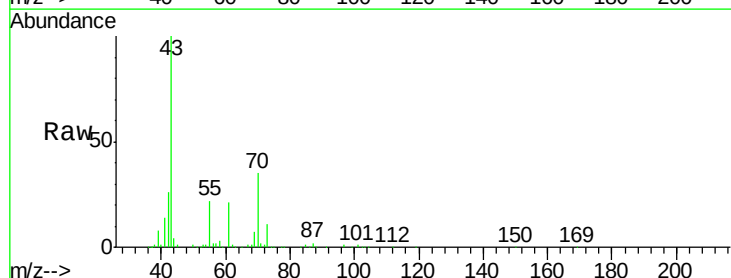
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

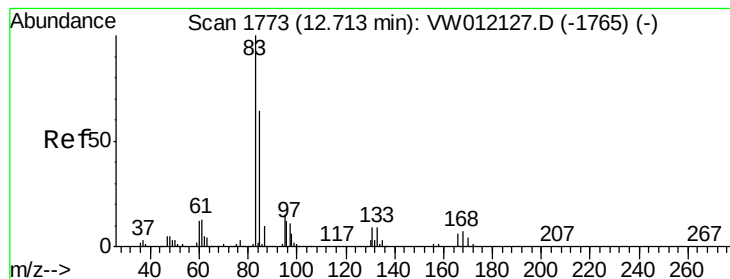
Tot Ion:105 Resp: 704579  
Ion Ratio Lower Upper  
105 100  
120 25.5 12.5 37.5



#74  
N-ethyl acetate  
Concen: 27.923 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 43 Resp: 105627  
Ion Ratio Lower Upper  
43 100  
70 35.8 28.6 43.0  
55 23.0 17.8 26.6  
61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 56.438 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

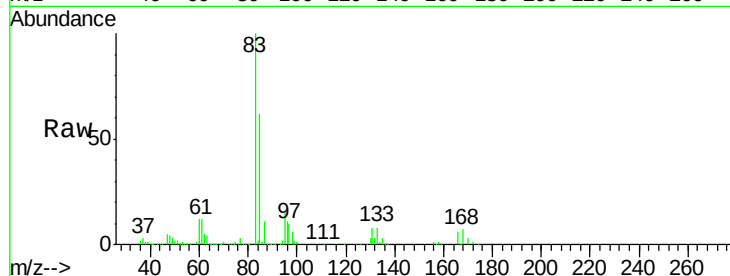
Tot Ion: 83 Resp: 129548

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

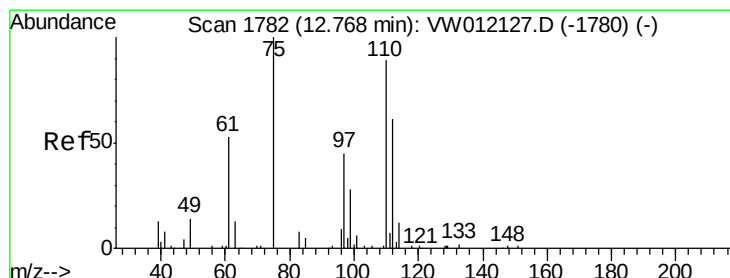
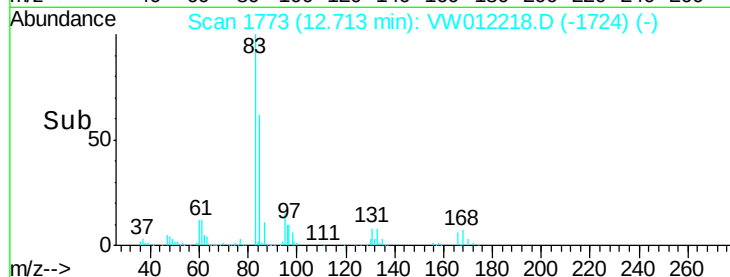
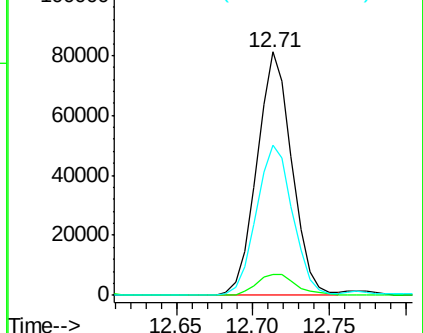
85 63.9 31.9 95.7



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: 54.253 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012218.D

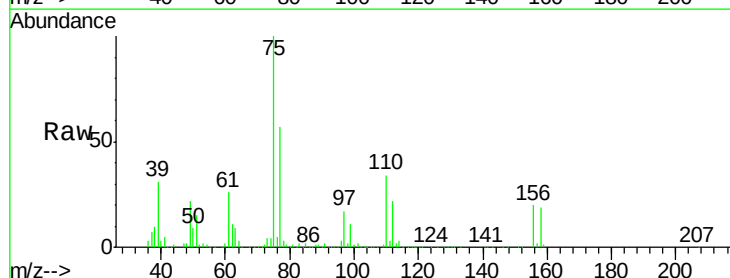
Acq: 27 Aug 2019 17:44

Tgt Ion: 75 Resp: 88290

Ion Ratio Lower Upper

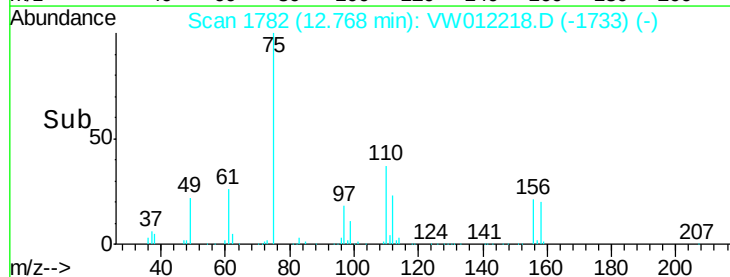
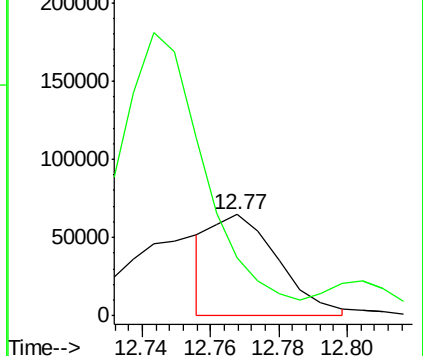
75 100

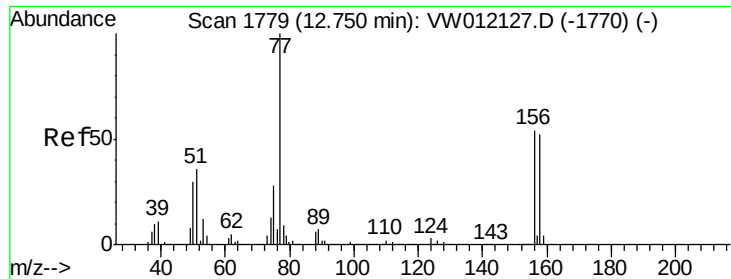
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

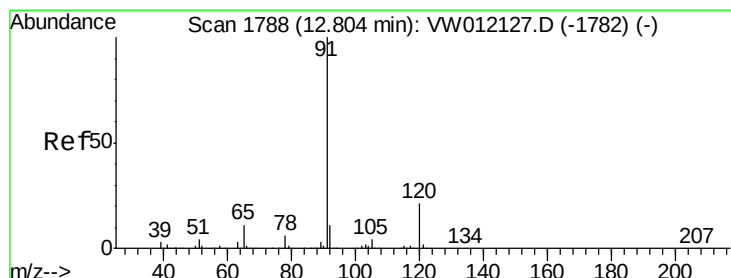
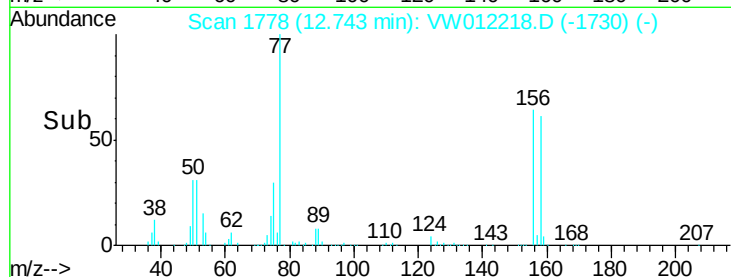
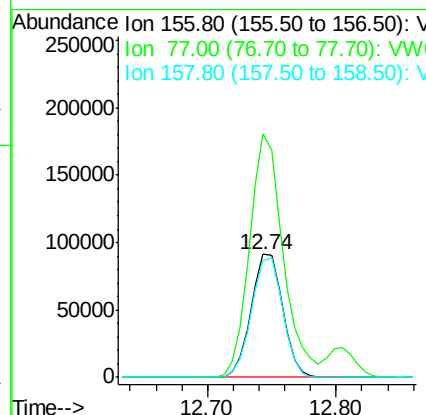
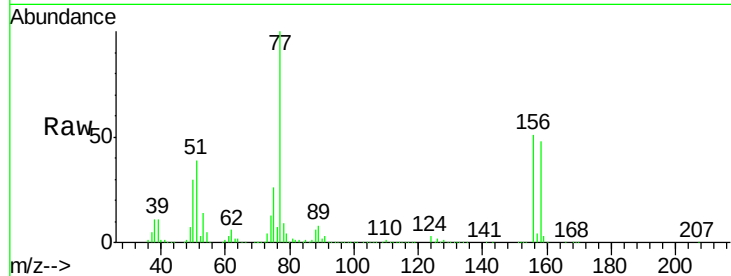




#77  
Bromobenzene  
Concen: 56.776 ug/l  
RT: 12.74 min Scan# 1778  
Delta R.T. -0.01 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

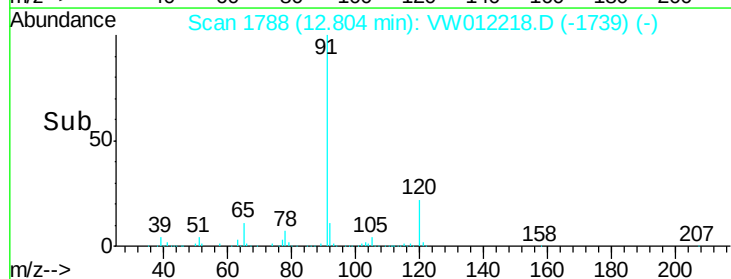
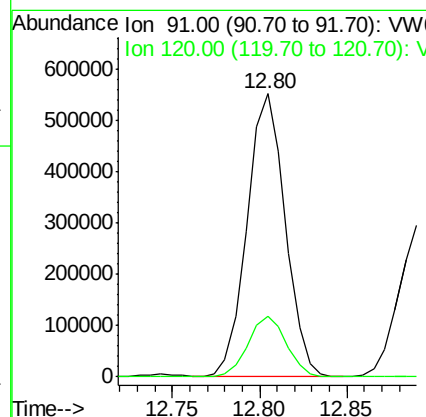
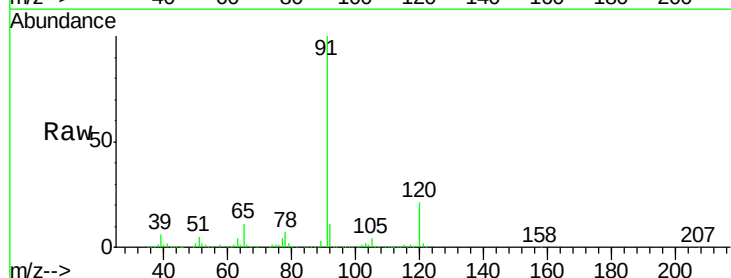
Instrument :  
MSVOA\_W  
ClientSampleId :  
S402-K1-1.0-1.5-082619MSD

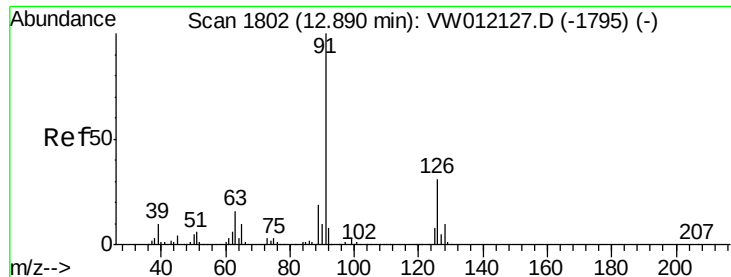
Tot Ion:156 Resp: 153789  
Ion Ratio Lower Upper  
156 100  
77 211.6 107.3 321.8  
158 96.5 49.0 147.0



#78  
n-propylbenzene  
Concen: 54.798 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. 0.00 min  
Lab File: VW012218.D  
Acq: 27 Aug 2019 17:44

Tgt Ion: 91 Resp: 837597  
Ion Ratio Lower Upper  
91 100  
120 21.5 10.5 31.6

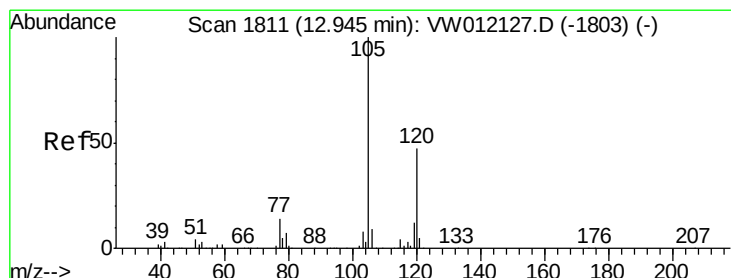
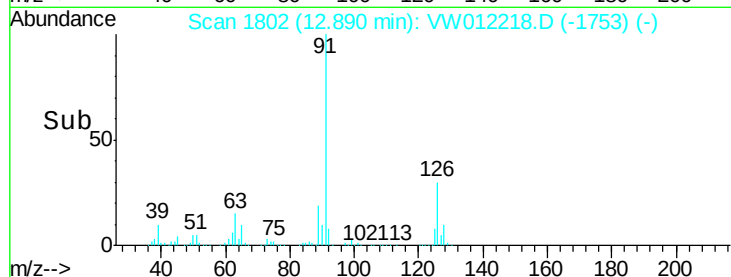
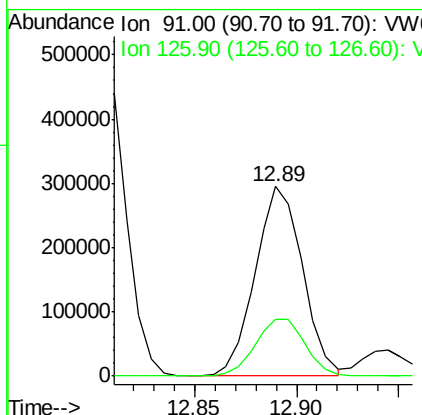
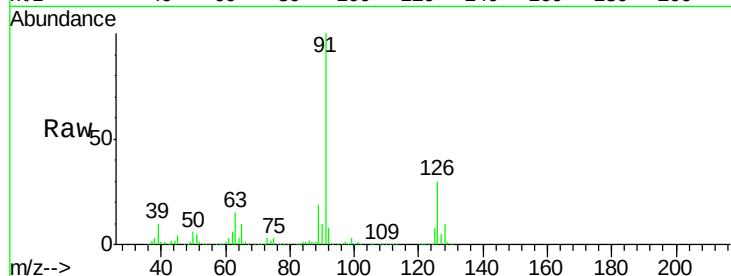




#79  
 2-Chlorotoluene  
 Concen: 55.051 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

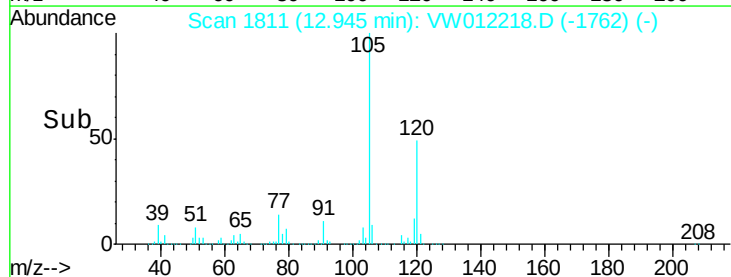
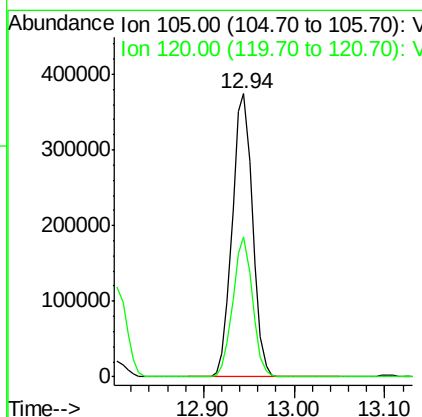
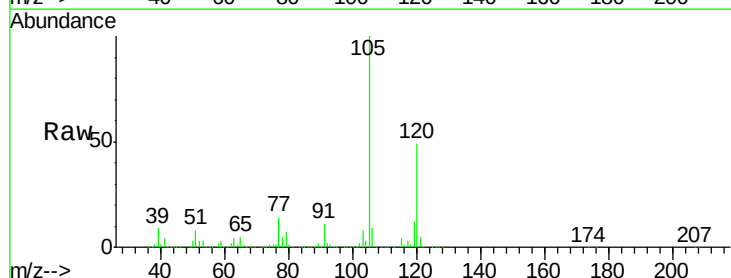
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

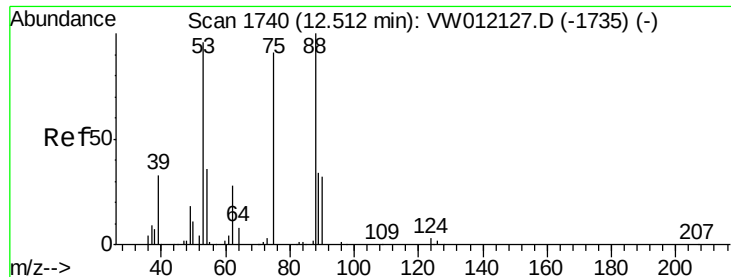
Tot Ion: 91 Resp: 477738  
 Ion Ratio Lower Upper  
 91 100  
 126 31.4 15.7 47.0



#80  
 1,3,5-Trimethylbenzene  
 Concen: 55.516 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion: 105 Resp: 580815  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.192 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

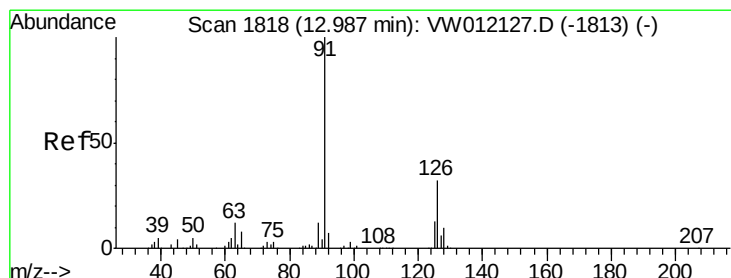
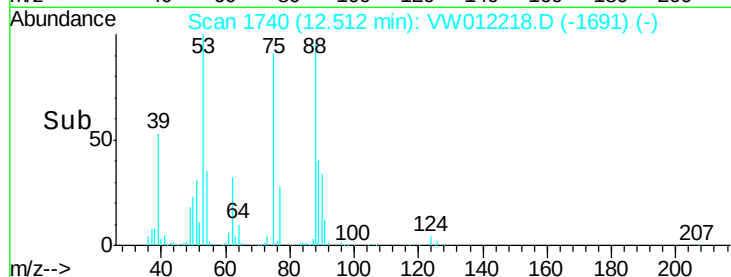
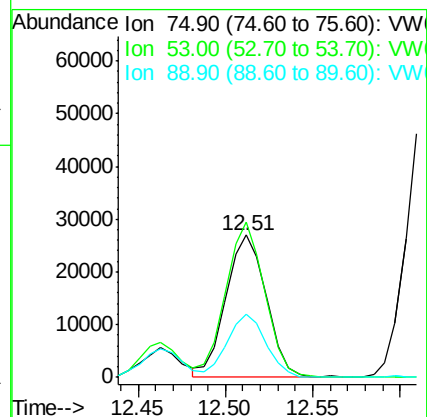
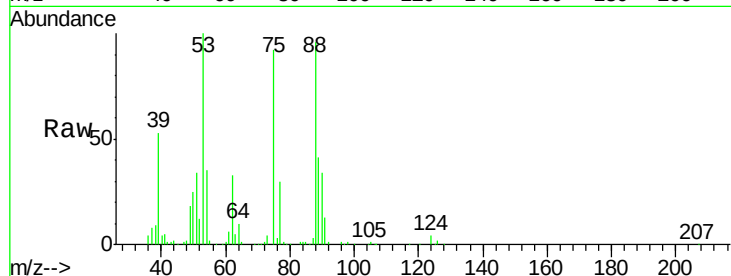
Tot Ion: 75 Resp: 43192

Ion Ratio Lower Upper

75 100

53 105.2 89.4 134.0

89 42.7 34.5 51.7



#82

4-Chlorotoluene

Concen: 54.701 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012218.D

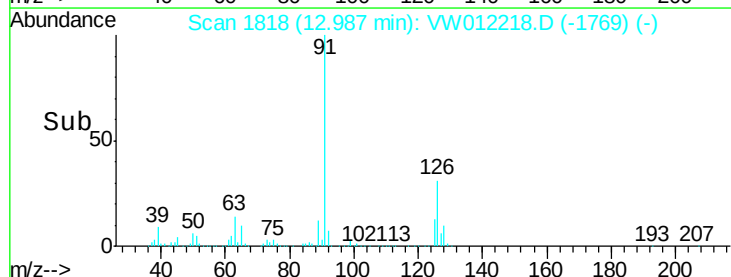
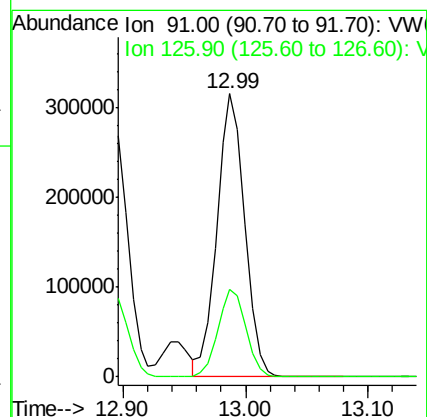
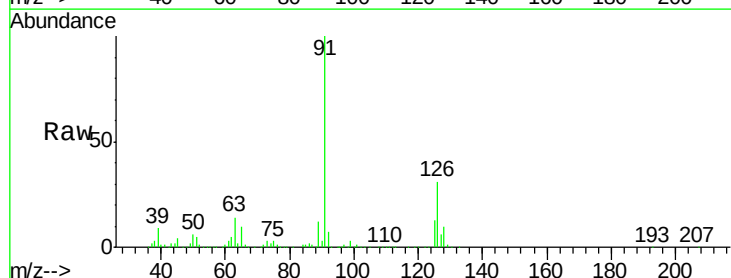
Acq: 27 Aug 2019 17:44

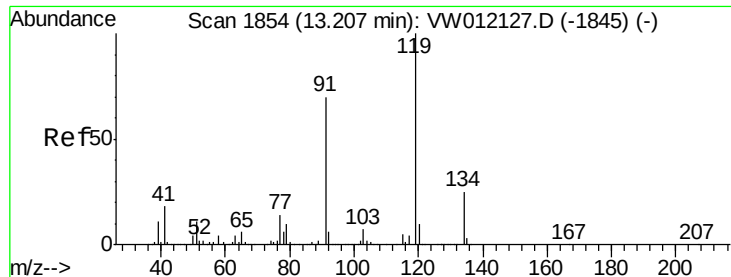
Tgt Ion: 91 Resp: 497042

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

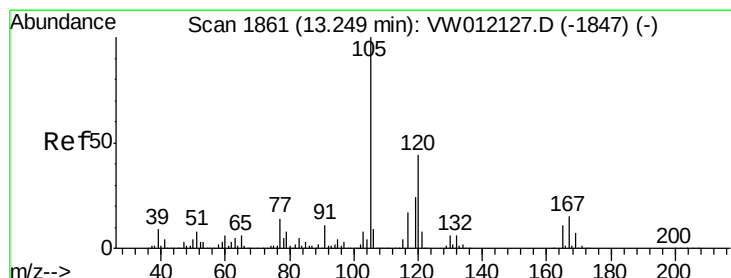
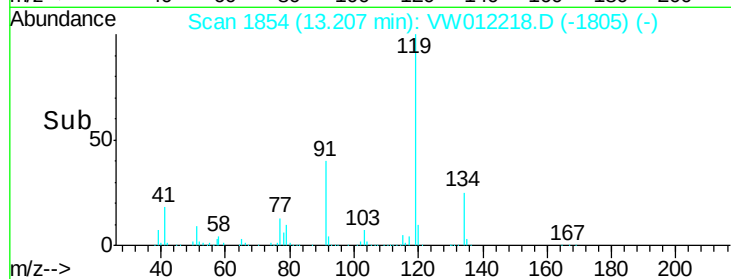
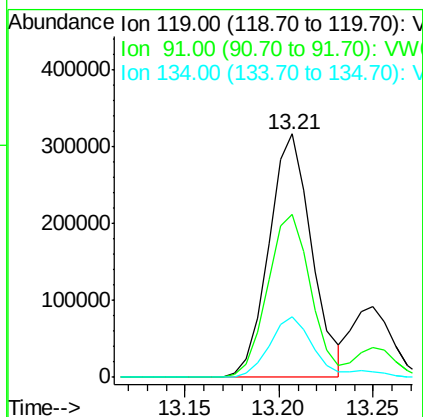
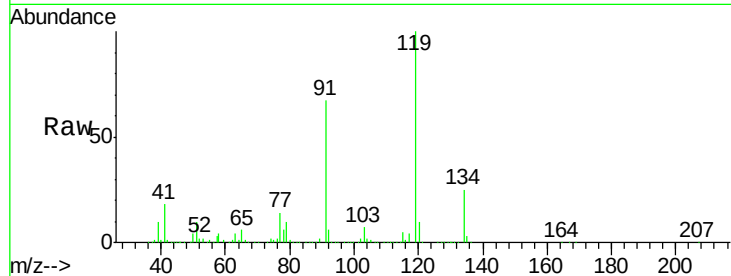




#83  
 tert-Butylbenzene  
 Concen: 56.287 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

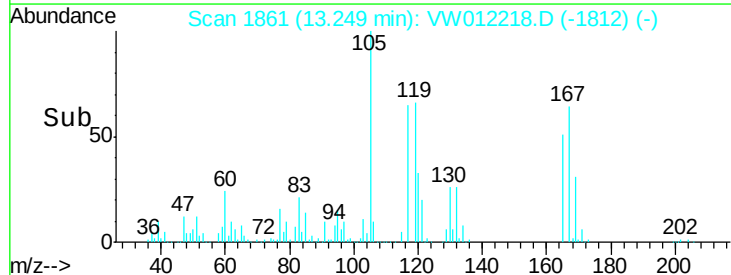
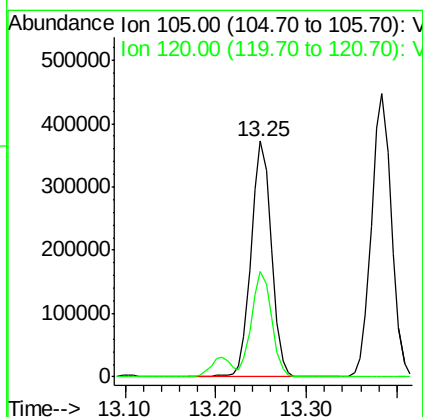
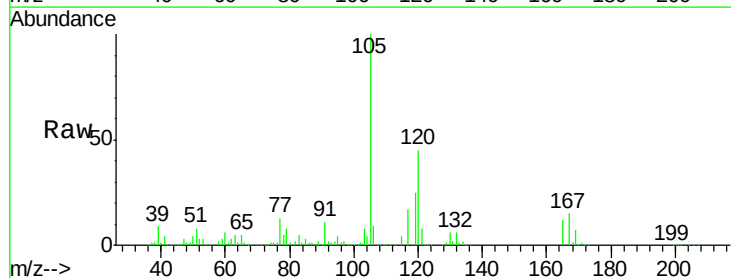
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

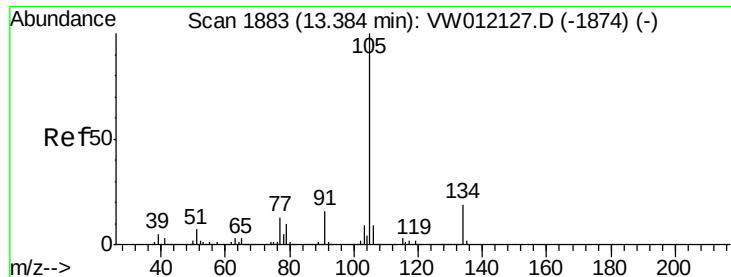
Tot Ion:119 Resp: 498836  
 Ion Ratio Lower Upper  
 119 100  
 91 67.5 34.8 104.3  
 134 24.9 13.3 39.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.944 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion:105 Resp: 577440  
 Ion Ratio Lower Upper  
 105 100  
 120 43.8 21.9 65.7

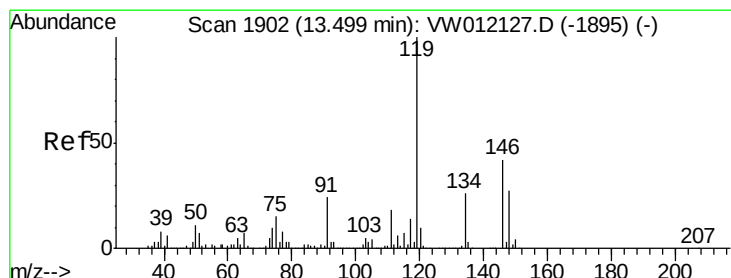
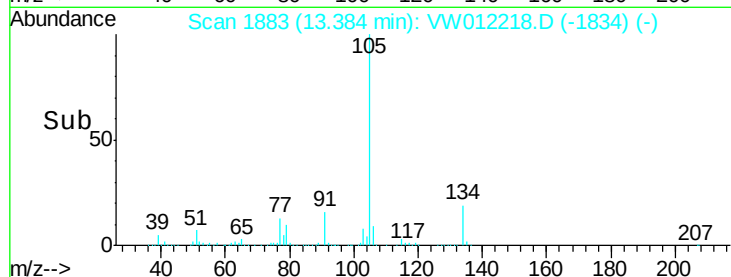
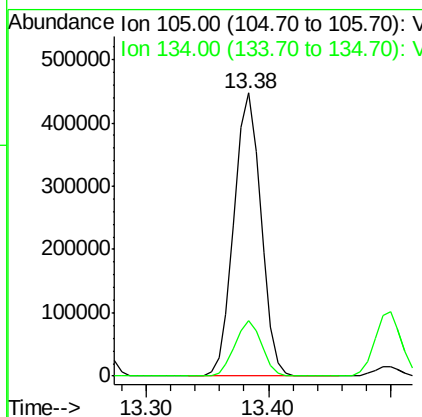
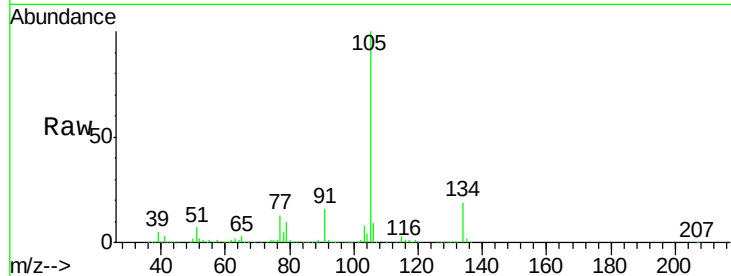




#85  
 sec-Butylbenzene  
 Concen: 53.818 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

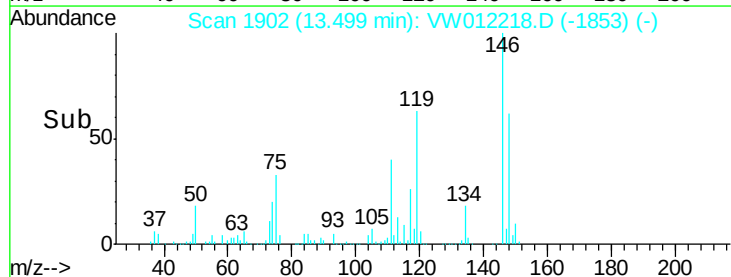
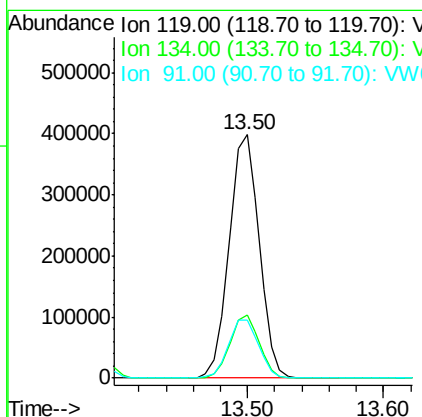
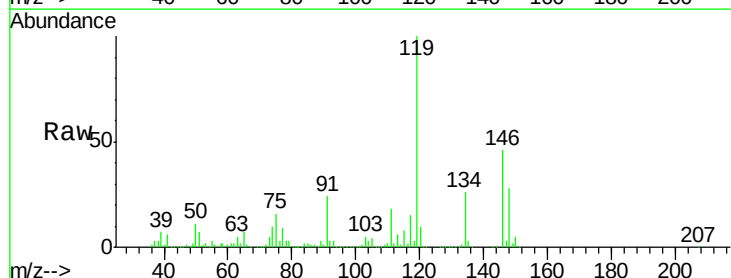
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

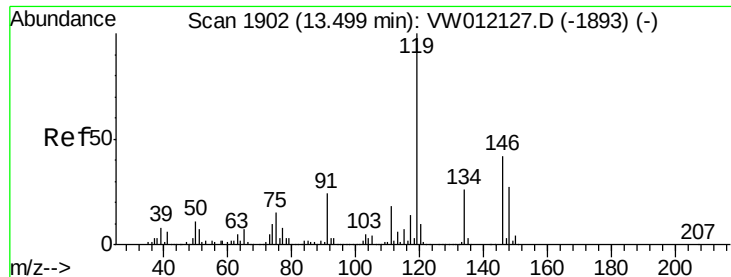
Tot Ion:105 Resp: 683320  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 53.613 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion:119 Resp: 607924  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 12.8 38.3  
 91 24.3 12.3 36.9

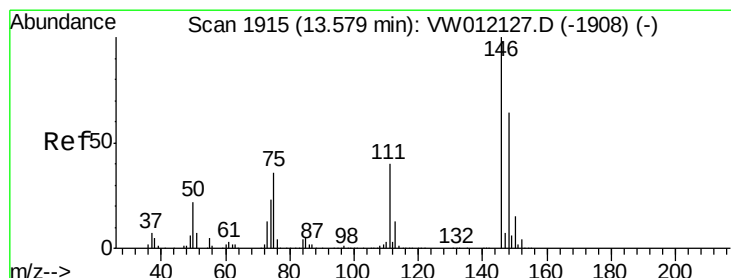
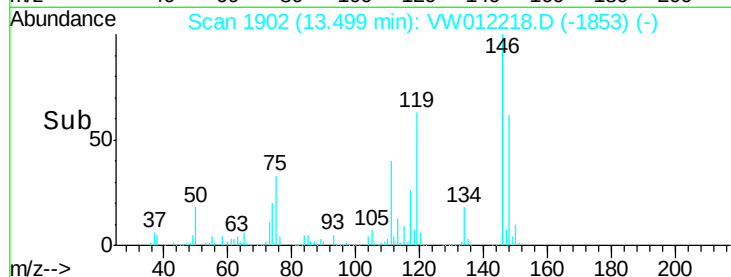
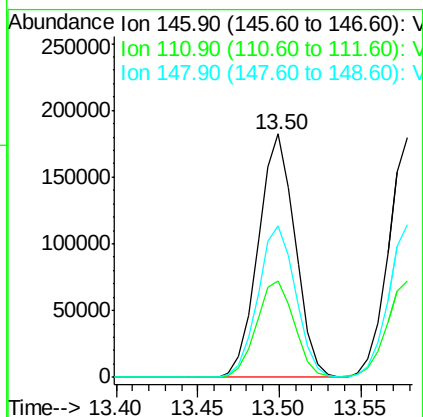
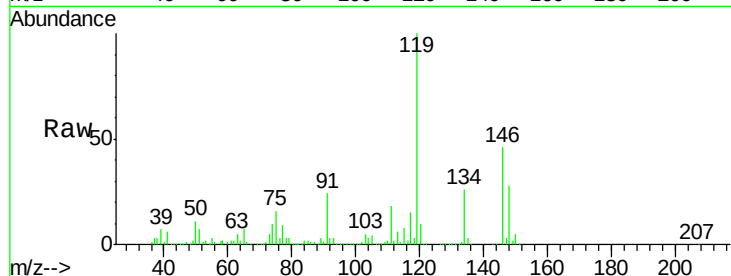




#87  
 1,3-Dichlorobenzene  
 Concen: 54.067 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

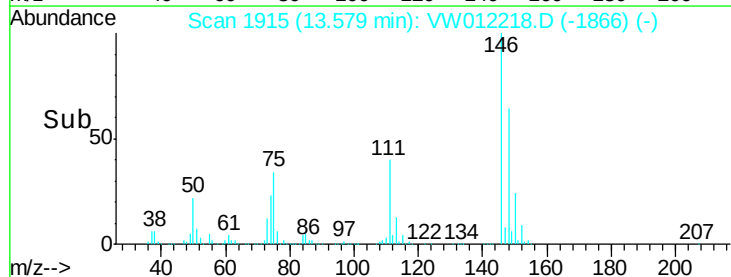
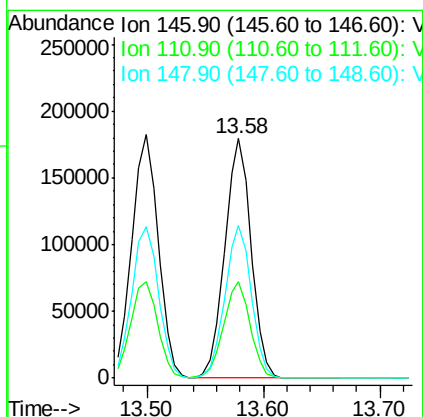
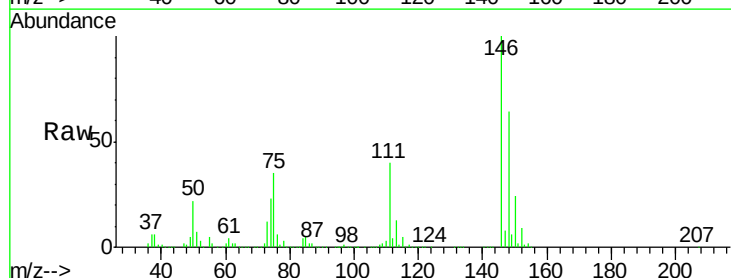
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

Tot Ion:146 Resp: 286454  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 20.9 62.7  
 148 63.4 32.2 96.6

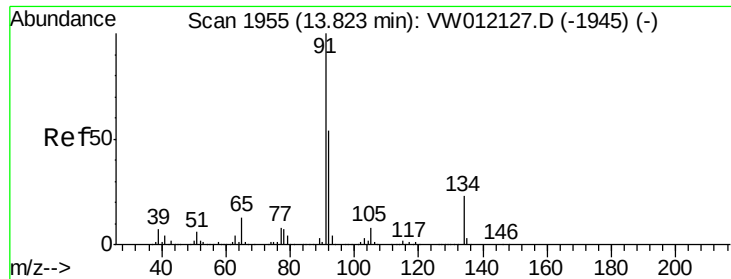


#88  
 1,4-Dichlorobenzene  
 Concen: 53.340 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion:146 Resp: 280600  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 20.0 60.0  
 148 63.9 32.1 96.3







#89

n-Butylbenzene

Concen: 50.923 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

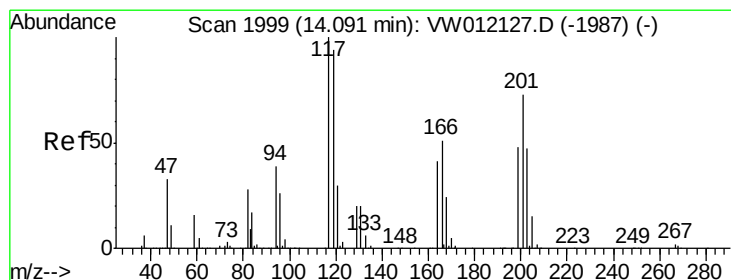
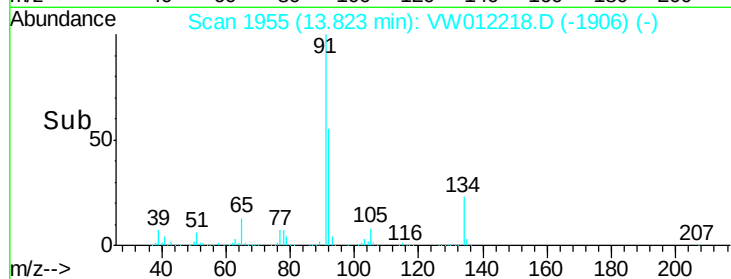
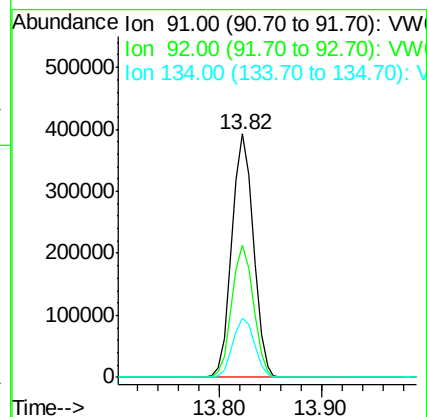
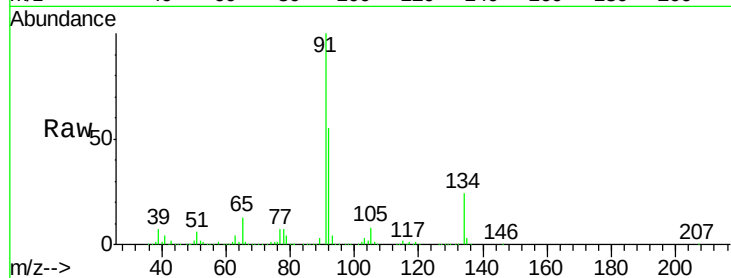
Tot Ion: 91 Resp: 574202

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 54.157 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012218.D

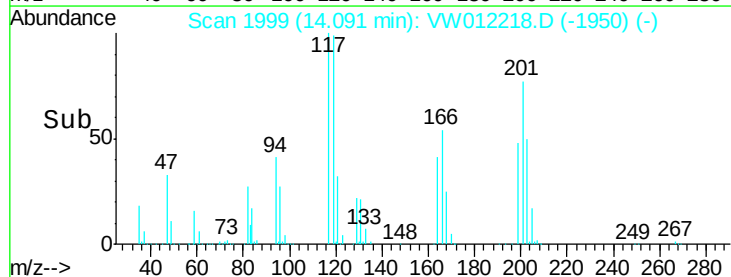
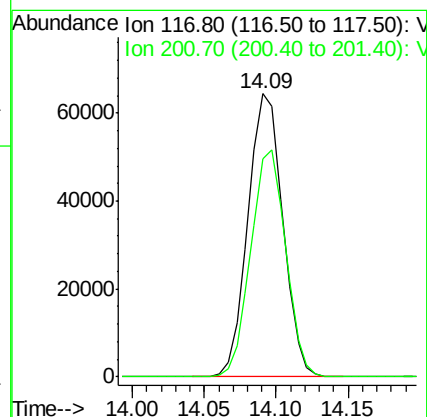
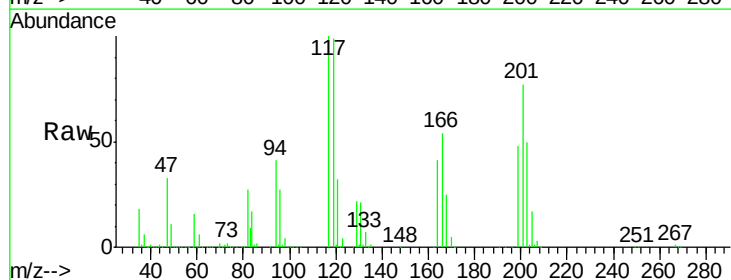
Acq: 27 Aug 2019 17:44

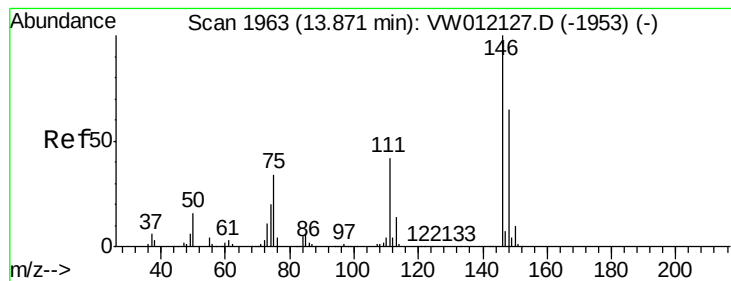
Tgt Ion: 117 Resp: 107739

Ion Ratio Lower Upper

117 100

201 80.4 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 55.020 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

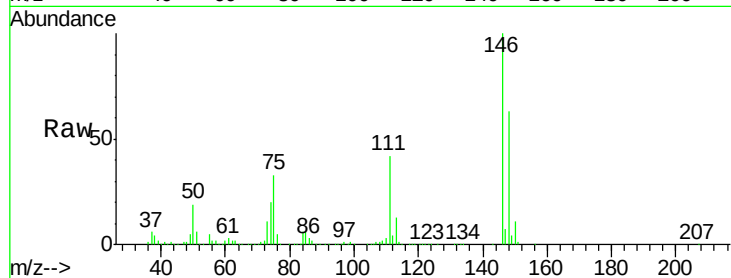
Tot Ion:146 Resp: 255723

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

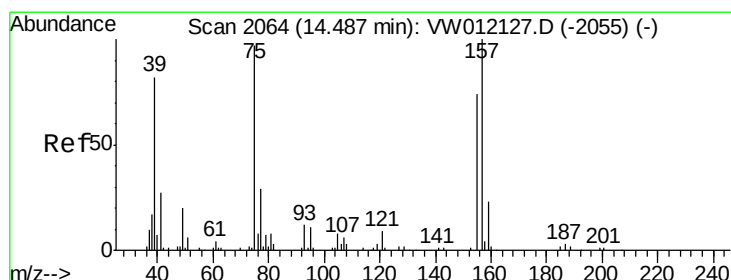
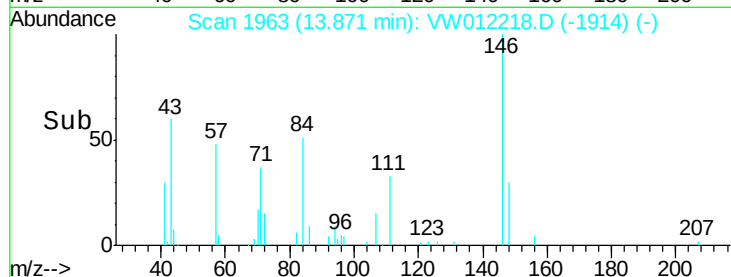
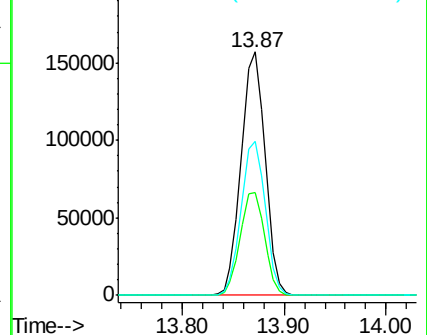
148 63.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.429 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

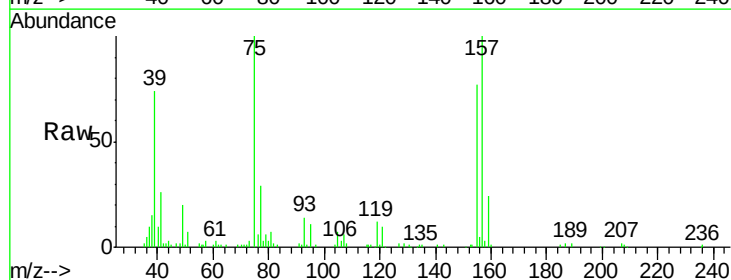
Tgt Ion: 75 Resp: 21836

Ion Ratio Lower Upper

75 100

155 76.5 37.5 112.3

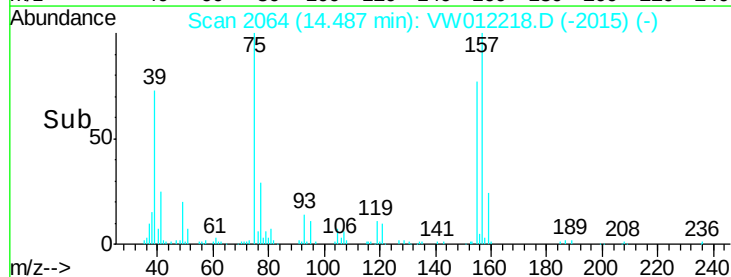
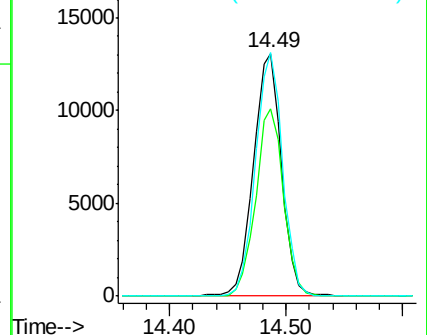
157 97.4 50.5 151.5

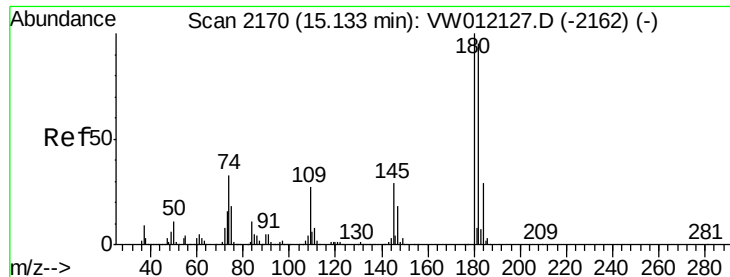


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

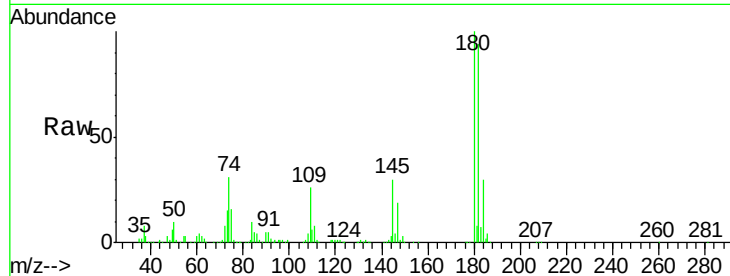




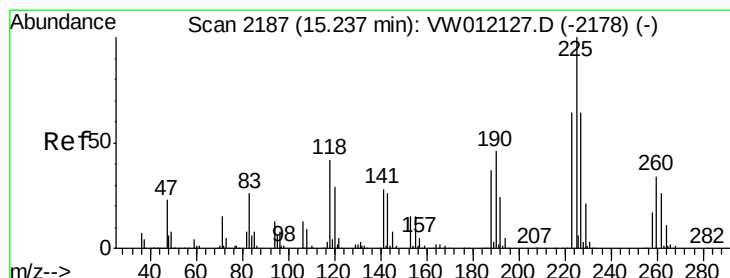
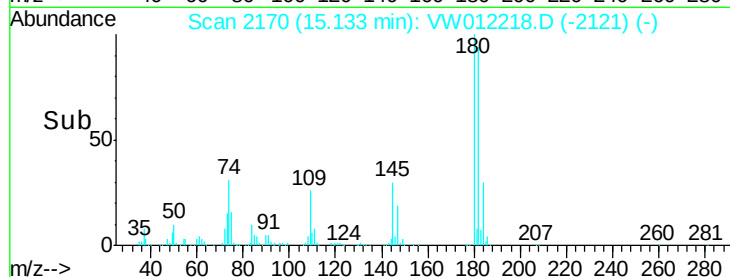
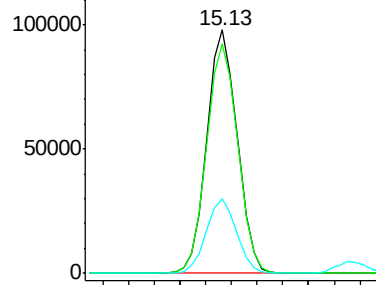
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.921 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S402-K1-1.0-1.5-082619MSD

Tot Ion:180 Resp: 160342  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 47.8 143.4  
 145 30.5 15.0 45.1

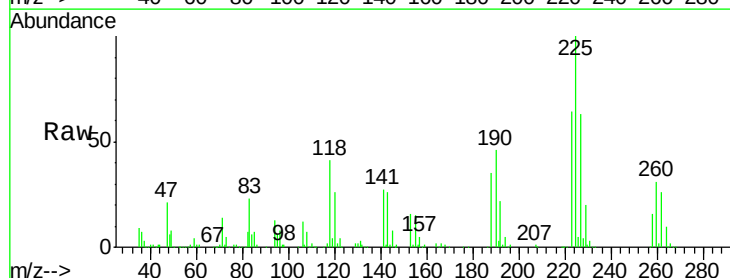


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

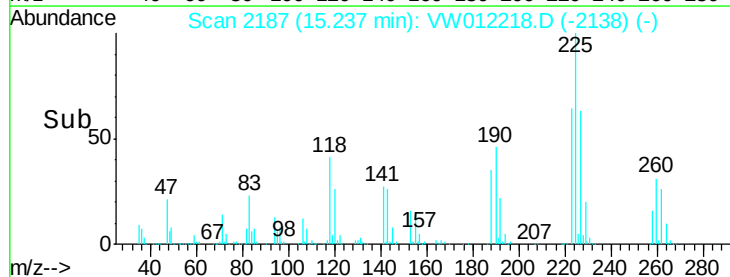
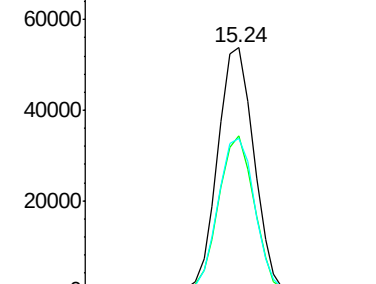


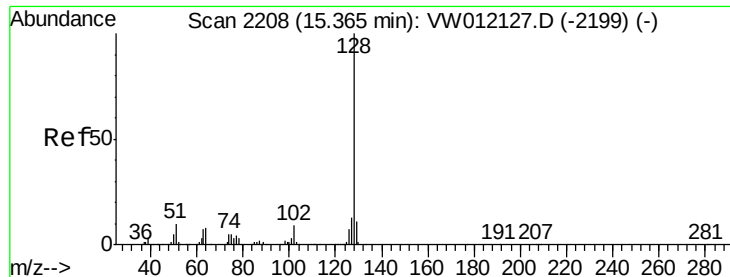
#94  
 Hexachlorobutadiene  
 Concen: 44.106 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW012218.D  
 Acq: 27 Aug 2019 17:44

Tgt Ion:225 Resp: 93541  
 Ion Ratio Lower Upper  
 225 100  
 223 62.8 32.3 96.8  
 227 63.9 32.9 98.6



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: 50.387 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA\_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

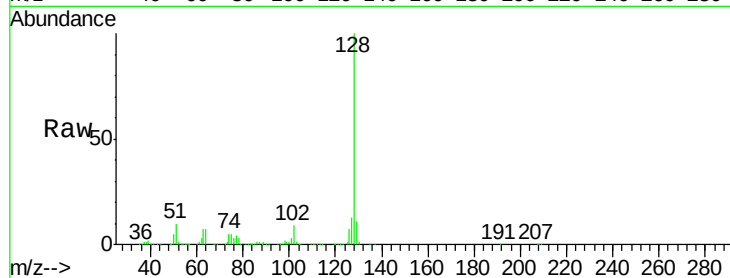
Tot Ion:128 Resp: 317803

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

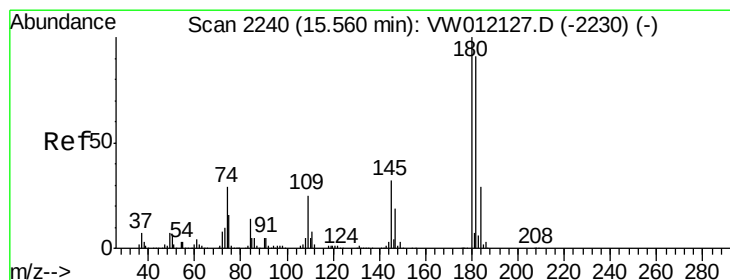
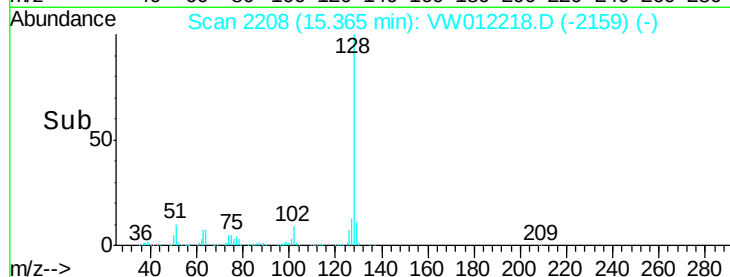
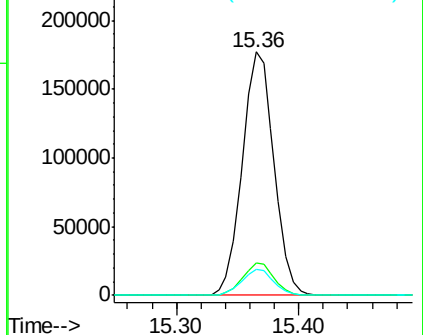
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.522 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

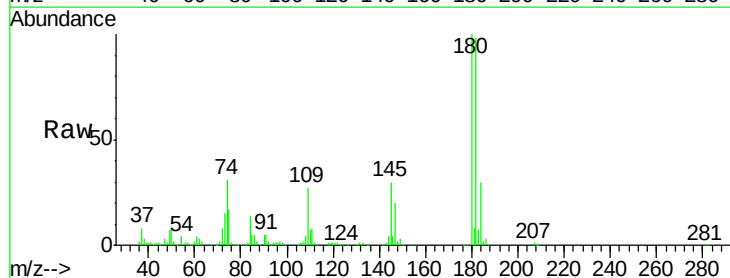
Tgt Ion:180 Resp: 138777

Ion Ratio Lower Upper

180 100

182 96.8 47.1 141.3

145 31.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

