

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU080318\  
 Data File : VU025812.D  
 Acq On : 03 Aug 2018 11:37  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Aug 04 05:30:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072518DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 27 15:10:58 2018  
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.74 | 96   | 35237    | 1.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.31 | 95  | 13843    | 1.06 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 106.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 14574    | 1.00 | ug/l    | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 100.00% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 137934 | 10.978  | ug/l   | 100    |
| 3) Chloromethane              | 1.33 | 50  | 108327 | 9.119   | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.40 | 62  | 121111 | 11.015  | ug/l   | 98     |
| 5) Bromomethane               | 1.63 | 94  | 57027  | 10.649  | ug/l   | 97     |
| 6) Chloroethane               | 1.70 | 64  | 71919  | 10.900  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 181705 | 11.332  | ug/l   | 98     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 100015 | 11.361  | ug/l   | 98     |
| 9) 1,1-Dichloroethene         | 2.29 | 96  | 86458  | 11.129  | ug/l   | 95     |
| 10) Iodomethane               | 2.41 | 142 | 47706  | 6.616   | ug/l   | 92     |
| 11) Allyl Chloride            | 2.59 | 41  | 145101 | 11.174  | ug/l   | 84     |
| 12) Acrylonitrile             | 2.94 | 53  | 35604  | 20.789  | ug/l   | 95     |
| 13) Acetone                   | 2.33 | 43  | 82373  | 55.305  | ug/l   | 93     |
| 14) Carbon Disulfide          | 2.48 | 76  | 291395 | 10.967  | ug/l   | 98     |
| 15) Methylene Chloride        | 2.70 | 84  | 100843 | 10.888  | ug/l   | 95     |
| 16) trans-1,2-Dichloroethene  | 2.98 | 96  | 96843  | 11.118  | ug/l   | 95     |
| 17) 1,1-Dichloroethane        | 3.45 | 63  | 183427 | 10.617  | ug/l   | 98     |
| 18) 2-Butanone                | 4.28 | 43  | 141657 | 54.808  | ug/l   | 98     |
| 19) Cyclohexane               | 4.99 | 56  | 152094 | 11.418  | ug/l   | 85     |
| 20) Methylcyclohexane         | 6.42 | 83  | 187670 | 11.485  | ug/l   | 94     |
| 21) 2,2-Dichloropropane       | 4.23 | 77  | 194951 | 11.836  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 4.23 | 96  | 121646 | 11.093  | ug/l   | 95     |
| 23) Diethyl Ether             | 2.10 | 59  | 63247  | 10.749  | ug/l   | 97     |
| 24) tert-Butyl Alcohol        | 2.84 | 59  | 70616  | 102.169 | ug/l # | 78     |
| 25) Methyl tert-Butyl Ether   | 3.00 | 73  | 223355 | 10.631  | ug/l   | 97     |
| 26) Bromochloromethane        | 4.55 | 128 | 52432  | 10.857  | ug/l   | 86     |
| 27) Chloroform                | 4.68 | 83  | 212371 | 11.186  | ug/l   | 98     |
| 28) 1,1,1-Trichloroethane     | 4.91 | 97  | 194594 | 11.365  | ug/l   | 98     |
| 29) 1,1-Dichloropropene       | 5.14 | 75  | 163101 | 11.614  | ug/l   | 98     |
| 30) Carbon Tetrachloride      | 5.13 | 117 | 180189 | 11.589  | ug/l   | 100    |
| 31) Isopropyl Ether           | 3.58 | 45  | 307807 | 11.121  | ug/l   | 93     |
| 32) Ethyl-t-butyl ether       | 4.08 | 59  | 289080 | 10.991  | ug/l   | 93     |
| 33) Tert-Amyl methyl ether    | 5.59 | 73  | 256548 | 11.047  | ug/l   | 97     |
| 34) Propionitrile             | 4.34 | 54  | 39316  | 54.747  | ug/l # | 97     |
| 35) Benzene                   | 5.39 | 78  | 449625 | 11.453  | ug/l   | 99     |
| 36) 1,2-Dichloroethane        | 5.41 | 62  | 135725 | 11.262  | ug/l   | 98     |
| 37) Trichloroethene           | 6.19 | 130 | 127134 | 10.994  | ug/l   | 98     |
| 38) 1,2-Dichloropropane       | 6.44 | 63  | 114213 | 11.212  | ug/l   | 98     |
| 39) Methacrylonitrile         | 4.55 | 41  | 35104  | 10.618  | ug/l   | 91     |
| 40) Methyl acrylate           | 4.43 | 55  | 51841  | 10.397  | ug/l # | 94     |
| 41) Tetrahydrofuran           | 4.66 | 42  | 35676  | 18.263  | ug/l   | 93     |
| 42) 1-Chlorobutane            | 5.07 | 56  | 220209 | 11.504  | ug/l   | 100    |

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 Acq On : 03 Aug 2018 11:37  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

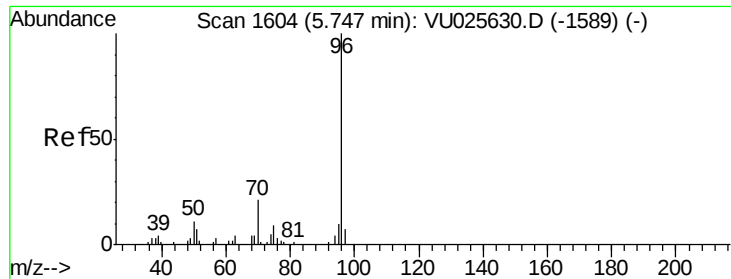
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Aug 04 05:30:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072518DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 27 15:10:58 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 43) Dibromomethane             | 6.56  | 93   | 59688    | 11.225 | ug/l   | 97       |
| 44) Bromodichloromethane       | 6.76  | 83   | 155893   | 11.569 | ug/l   | 99       |
| 45) 4-Methyl-2-Pentanone       | 7.47  | 43   | 327017   | 55.142 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene    | 10.50 | 75   | 58048    | 22.785 | ug/l # | 84       |
| 47) Methyl methacrylate        | 6.63  | 69   | 99961    | 22.478 | ug/l   | 96       |
| 48) Ethyl methacrylate         | 8.02  | 69   | 99808    | 11.173 | ug/l   | 99       |
| 49) Toluene                    | 7.64  | 92   | 284209   | 11.846 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene      | 7.88  | 75   | 141873   | 11.663 | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 169946   | 11.662 | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane      | 8.07  | 97   | 78192    | 10.968 | ug/l   | 96       |
| 53) 1,3-Dichloropropane        | 8.25  | 76   | 136308   | 11.325 | ug/l   | 99       |
| 54) 2-Hexanone                 | 8.37  | 43   | 231173   | 55.197 | ug/l   | 99       |
| 55) Dibromochloromethane       | 8.48  | 129  | 105818   | 11.674 | ug/l   | 96       |
| 56) 1,2-Dibromoethane          | 8.59  | 107  | 76638    | 11.109 | ug/l   | 99       |
| 58) Tetrachloroethene          | 8.23  | 164  | 126205   | 12.142 | ug/l   | 99       |
| 59) Chlorobenzene              | 9.12  | 112  | 318438   | 11.543 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 118547   | 11.572 | ug/l   | 99       |
| 61) Pentachloroethane          | 11.10 | 117  | 89628    | 11.464 | ug/l   | 98       |
| 62) Hexachloroethane           | 12.15 | 117  | 95324    | 11.940 | ug/l   | 99       |
| 63) Ethyl Benzene              | 9.25  | 91   | 550682   | 11.999 | ug/l   | 98       |
| 64) m/p-Xylenes                | 9.38  | 106  | 434927   | 24.112 | ug/l   | 98       |
| 65) o-Xylene                   | 9.78  | 106  | 205639   | 11.963 | ug/l   | 99       |
| 66) Styrene                    | 9.80  | 104  | 354503   | 12.143 | ug/l   | 99       |
| 67) Bromoform                  | 9.96  | 173  | 62093    | 11.611 | ug/l   | 98       |
| 69) Isopropylbenzene           | 10.17 | 105  | 558783   | 12.030 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 96415    | 10.764 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane     | 10.50 | 75   | 58048    | 8.315  | ug/l # | 88       |
| 72) Bromobenzene               | 10.45 | 156  | 139086   | 11.534 | ug/l   | 96       |
| 73) n-propylbenzene            | 10.59 | 120  | 160732   | 12.281 | ug/l   | 94       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 140417   | 12.187 | ug/l   | 88       |
| 75) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 493195   | 12.161 | ug/l   | 99       |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 145743   | 12.034 | ug/l   | 97       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 473152   | 11.834 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 508432   | 12.282 | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.33 | 105  | 634527   | 12.074 | ug/l   | 97       |
| 80) Nitrobenzene               | 12.87 | 77   | 17318    | 63.514 | ug/l # | 96       |
| 81) p-Isopropyltoluene         | 11.48 | 119  | 550605   | 12.357 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene        | 11.42 | 146  | 292353   | 11.786 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene        | 11.51 | 146  | 292605   | 12.097 | ug/l   | 100      |
| 84) n-Butylbenzene             | 11.89 | 91   | 518353   | 12.398 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 262963   | 11.610 | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 16760    | 11.340 | ug/l   | 96       |
| 87) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 189456   | 12.013 | ug/l   | 98       |
| 88) Hexachlorobutadiene        | 13.70 | 225  | 103397   | 10.670 | ug/l   | 99       |
| 89) Naphthalene                | 13.74 | 128  | 299362   | 11.694 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 168700   | 11.707 | ug/l   | 100      |
| -----                          |       |      |          |        |        |          |

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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 96 Resp: 35237

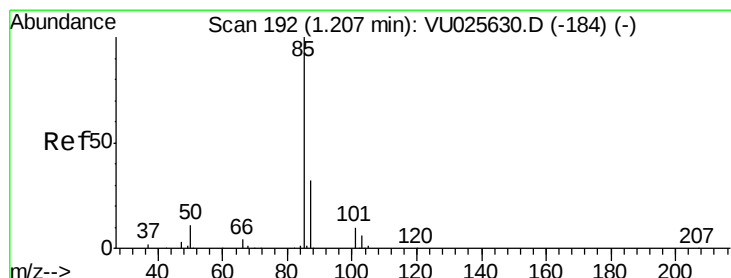
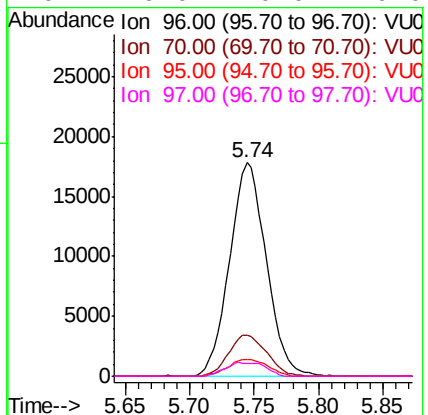
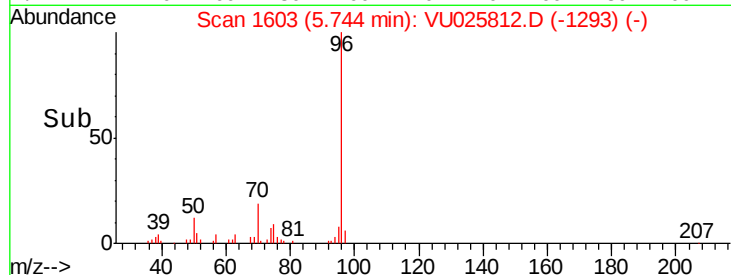
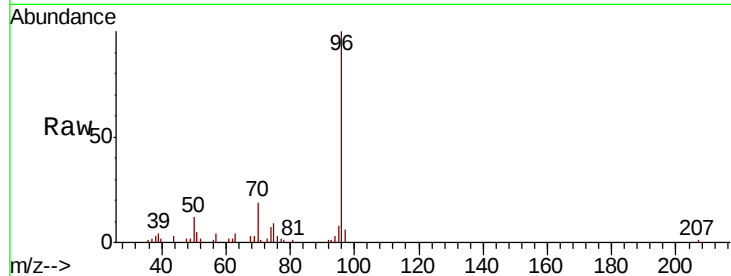
Ion Ratio Lower Upper

96 100

70 19.8 16.2 24.4

95 8.7 6.9 10.3

97 0.0 0.0 0.0



#2

Dichlorodifluoromethane

Concen: 10.978 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025812.D

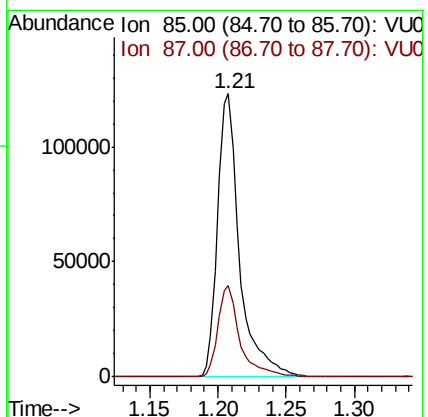
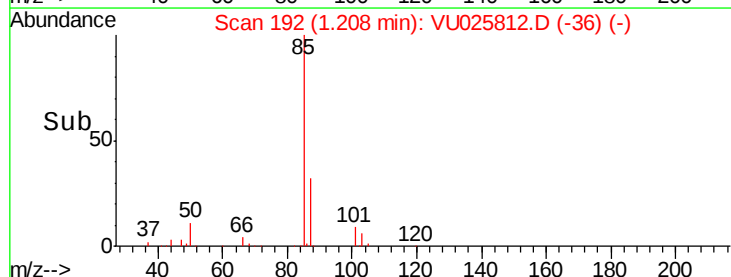
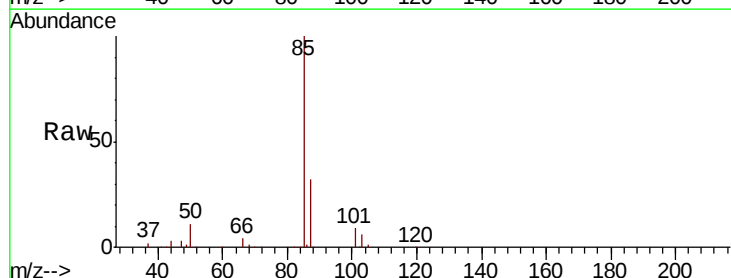
Acq: 03 Aug 2018 11:37

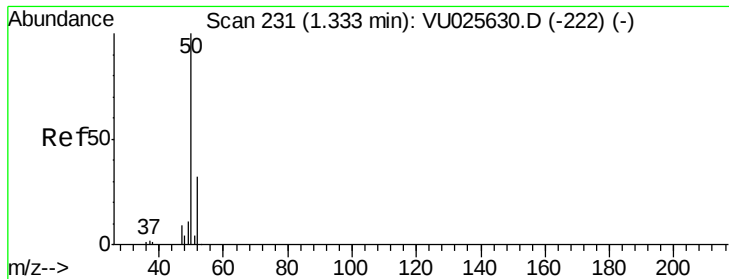
Tgt Ion: 85 Resp: 137934

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5





#3

Chloromethane

Concen: 9.119 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

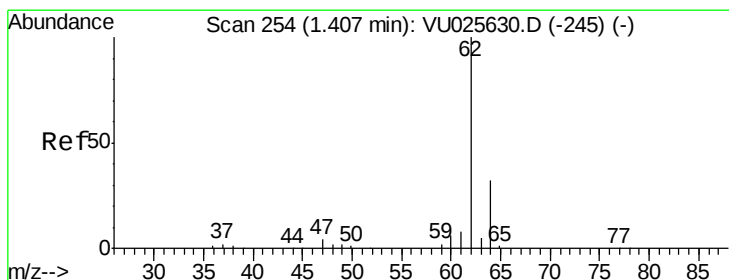
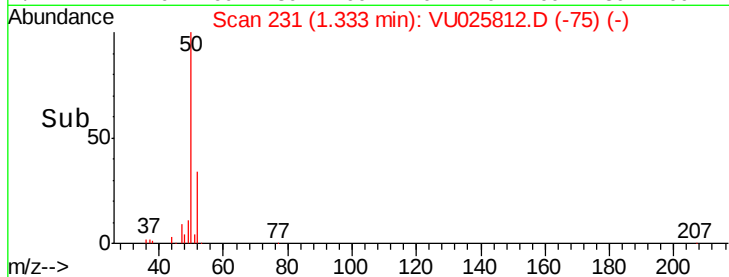
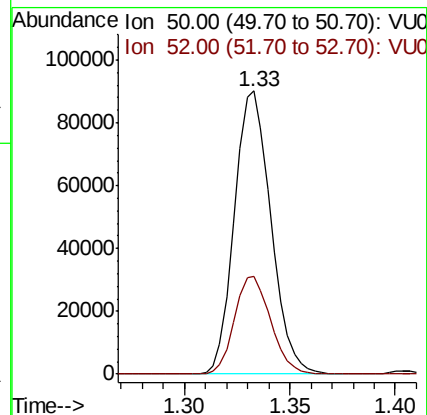
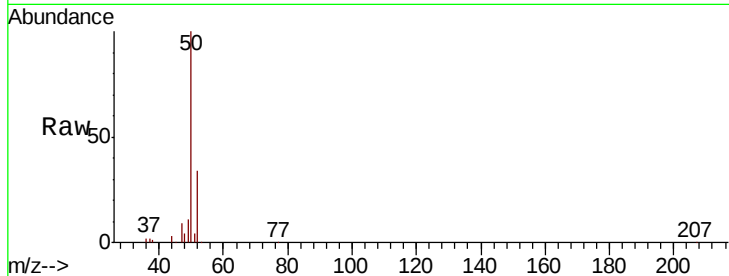
VSTDCCC010

Tgt Ion: 50 Resp: 108327

Ion Ratio Lower Upper

50 100

52 34.4 26.0 39.0



#4

Vinyl Chloride

Concen: 11.015 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025812.D

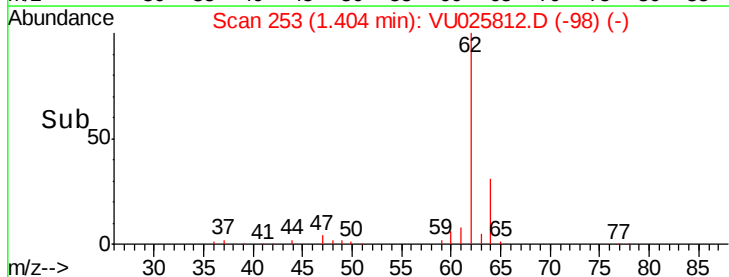
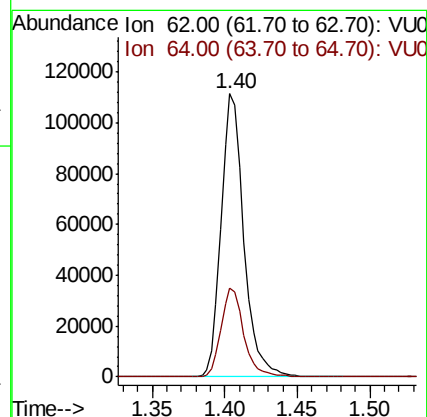
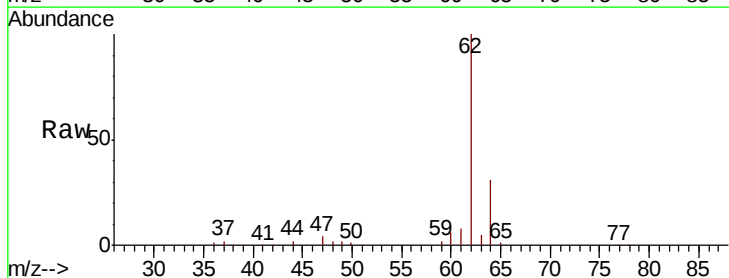
Acq: 03 Aug 2018 11:37

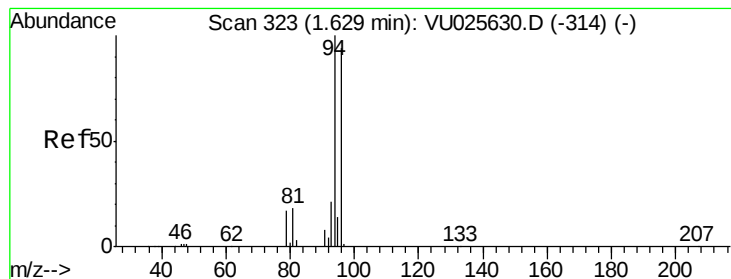
Tgt Ion: 62 Resp: 121111

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 10.649 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

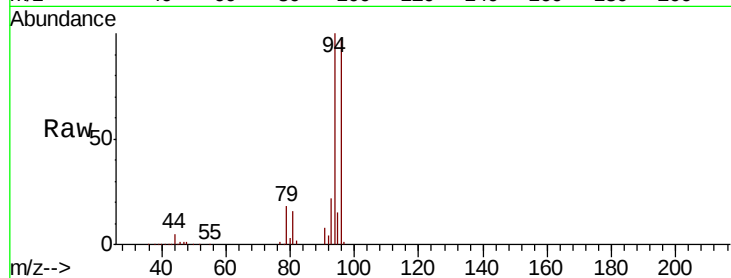
VSTDCCC010

Tgt Ion: 94 Resp: 57027

Ion Ratio Lower Upper

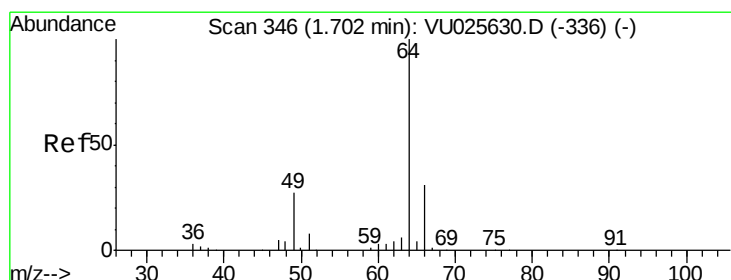
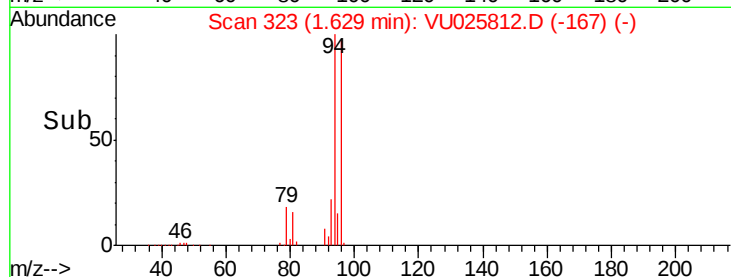
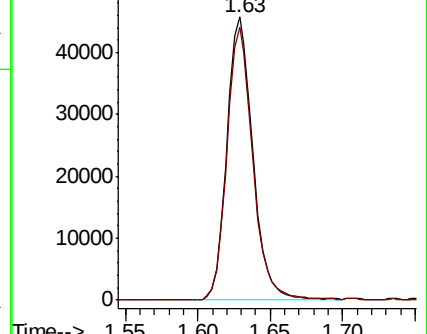
94 100

96 96.5 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU025630.D (-314) (-)

Ion 96.00 (95.70 to 96.70): VU025630.D (-314) (-)



#6

Chloroethane

Concen: 10.900 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025812.D

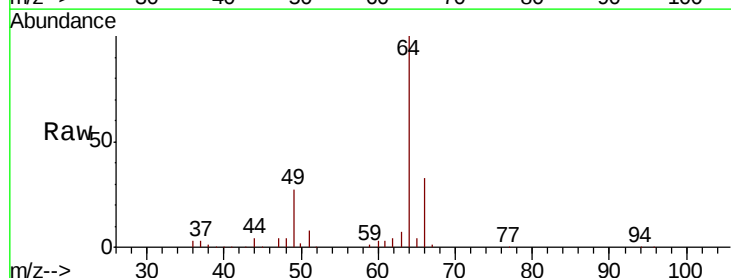
Acq: 03 Aug 2018 11:37

Tgt Ion: 64 Resp: 71919

Ion Ratio Lower Upper

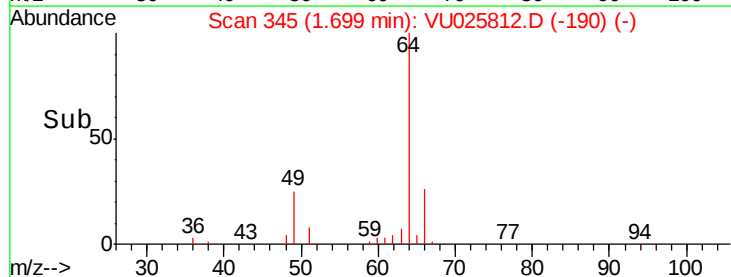
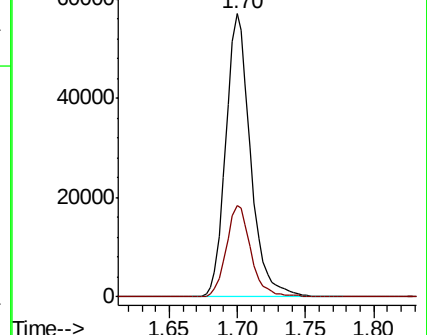
64 100

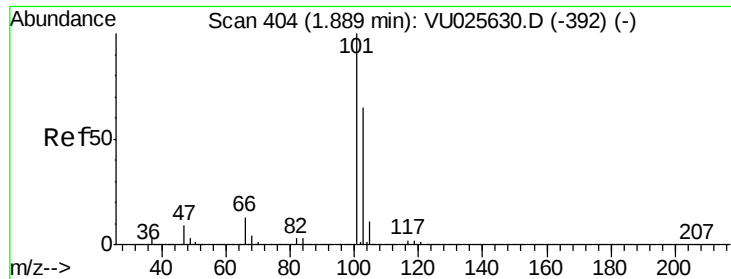
66 32.5 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU025630.D (-336) (-)

Ion 66.00 (65.70 to 66.70): VU025630.D (-336) (-)



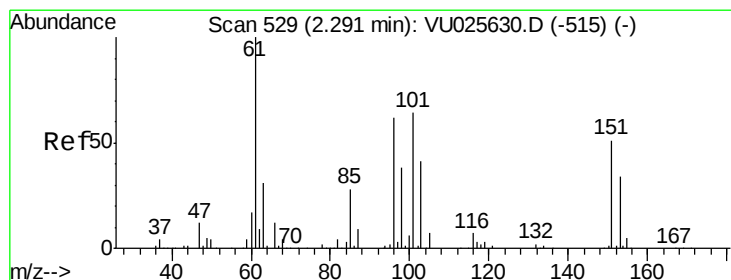
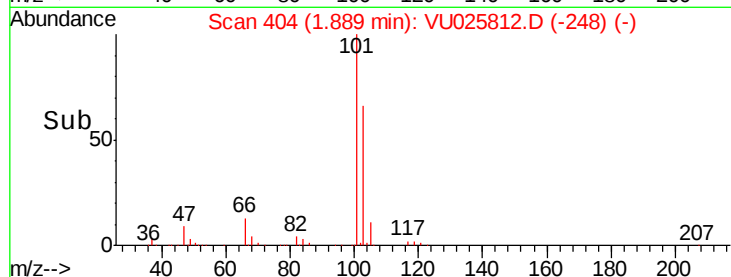
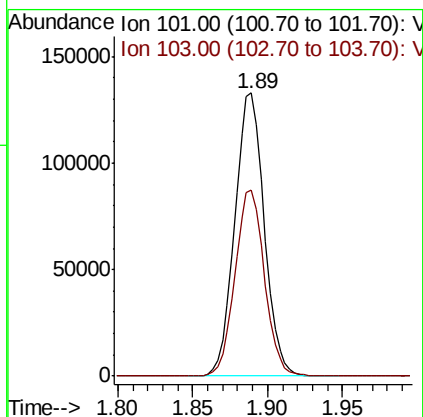
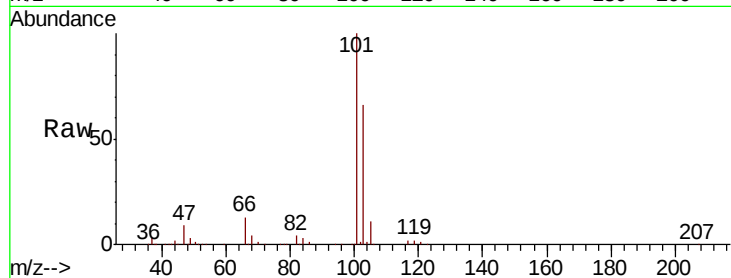


#7

Trichlorofluoromethane  
 Concen: 11.332 ug/l  
 RT: 1.89 min Scan# 404  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

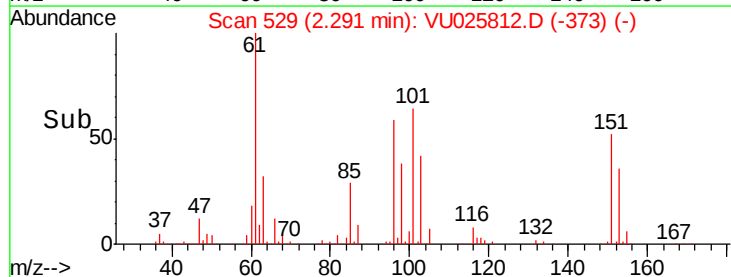
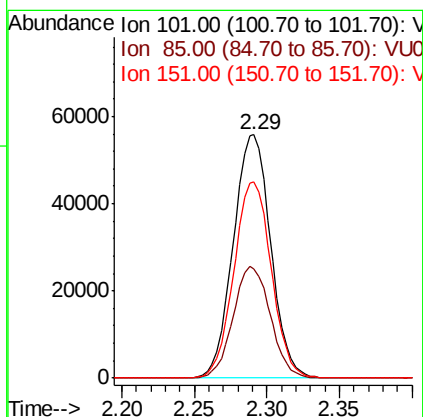
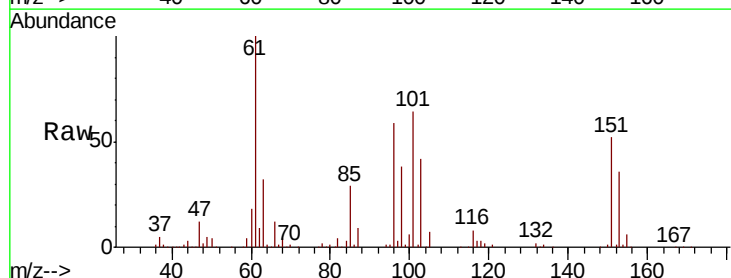
Tgt Ion:101 Resp: 181705  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 51.4 77.0

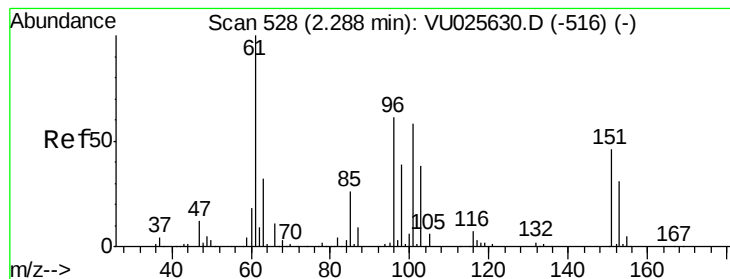


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 11.361 ug/l  
 RT: 2.29 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion:101 Resp: 100015  
 Ion Ratio Lower Upper  
 101 100  
 85 45.3 35.2 52.8  
 151 80.7 63.5 95.3





#9

1,1-Dichloroethene

Concen: 11.129 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

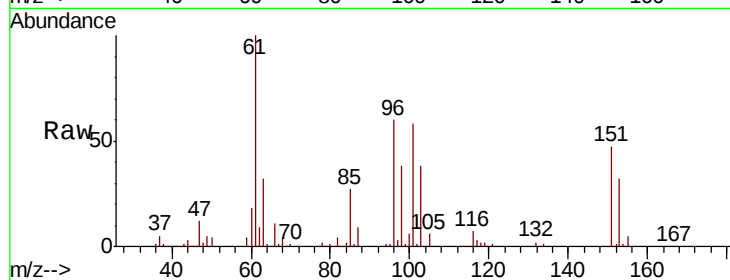
Tgt Ion: 96 Resp: 86458

Ion Ratio Lower Upper

96 100

61 168.0 0.0 526.5

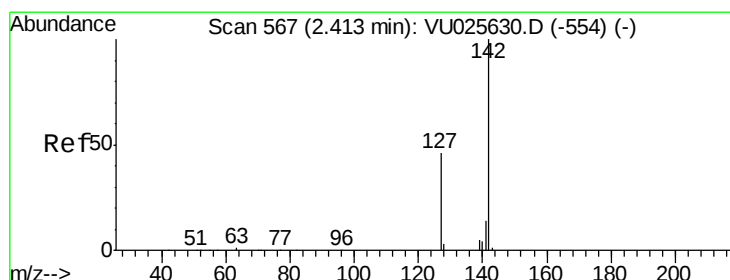
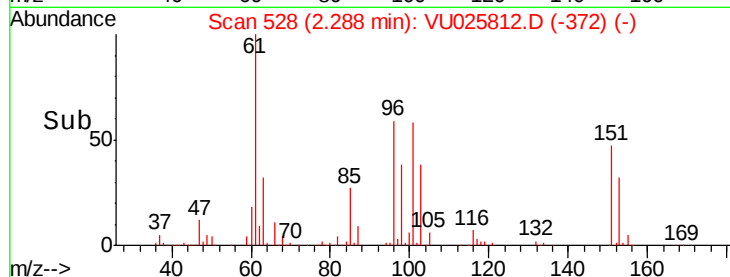
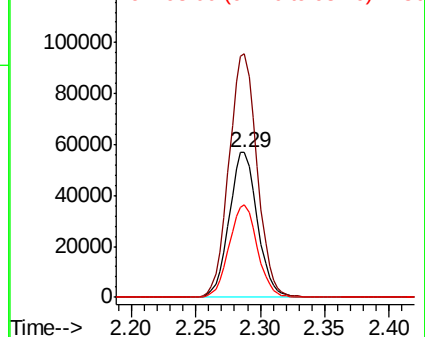
98 63.7 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 6.616 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025812.D

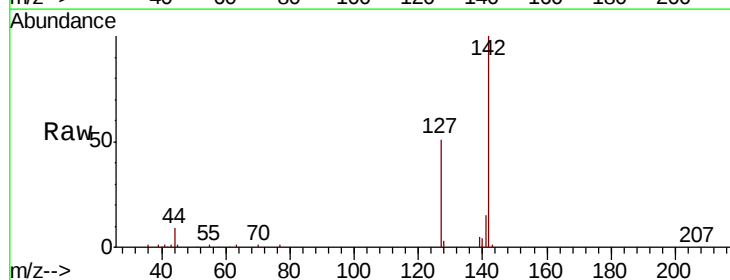
Acq: 03 Aug 2018 11:37

Tgt Ion: 142 Resp: 47706

Ion Ratio Lower Upper

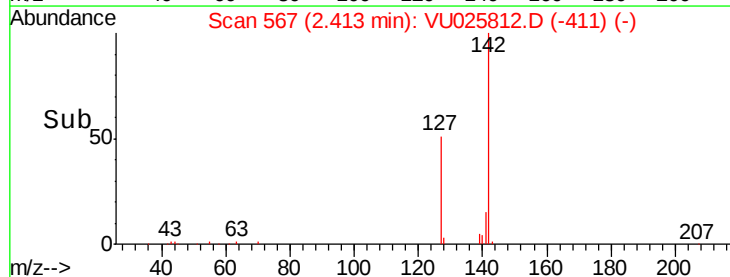
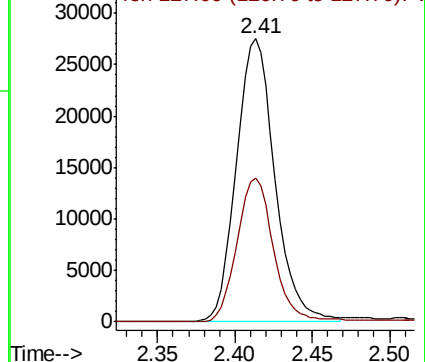
142 100

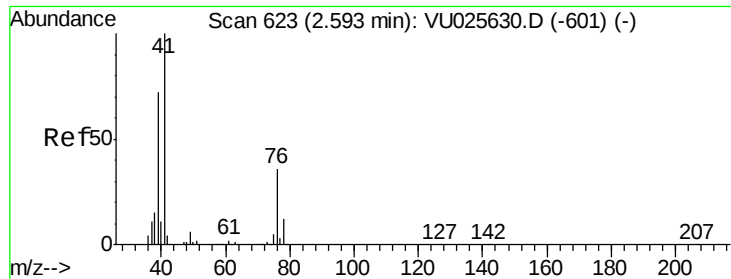
127 48.2 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

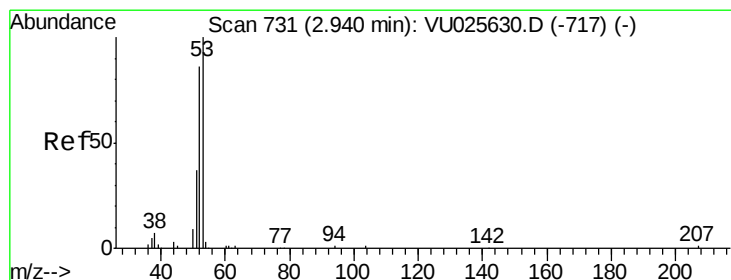
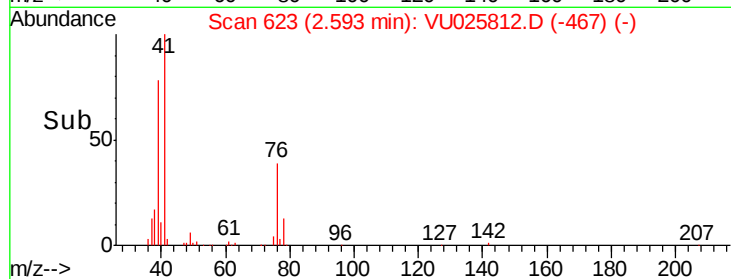
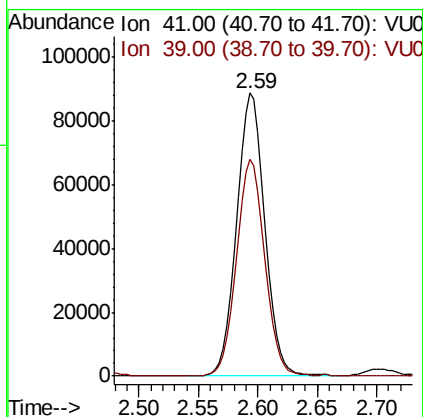
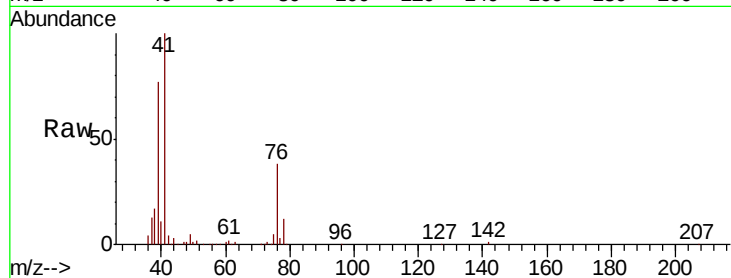




#11  
 Allyl Chloride  
 Concen: 11.174 ug/l  
 RT: 2.59 min Scan# 623  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

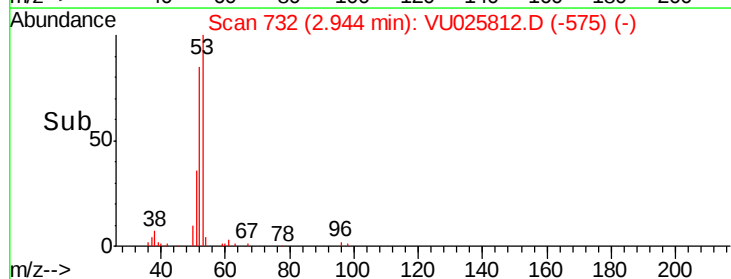
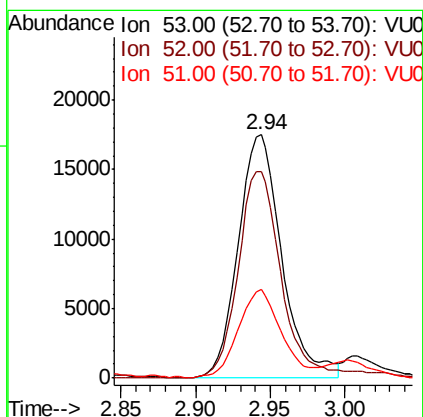
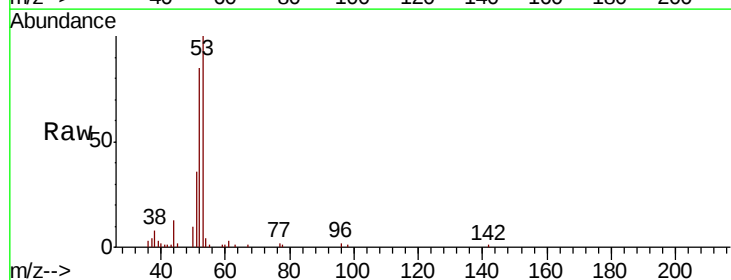
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

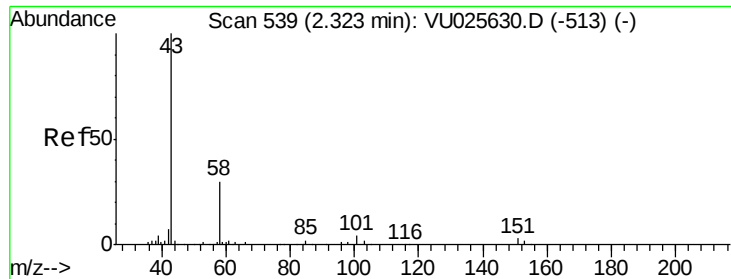
Tgt Ion: 41 Resp: 145101  
 Ion Ratio Lower Upper  
 41 100  
 39 76.6 51.4 77.2



#12  
 Acrylonitrile  
 Concen: 20.789 ug/l  
 RT: 2.94 min Scan# 732  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 53 Resp: 35604  
 Ion Ratio Lower Upper  
 53 100  
 52 85.7 65.1 97.7  
 51 35.2 30.2 45.4





#13

Acetone

Concen: 55.305 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

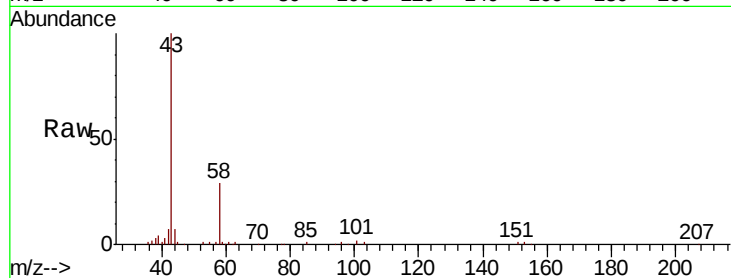
VSTDCCC010

Tgt Ion: 43 Resp: 82373

Ion Ratio Lower Upper

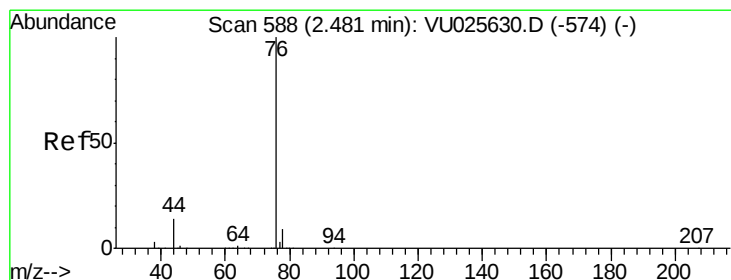
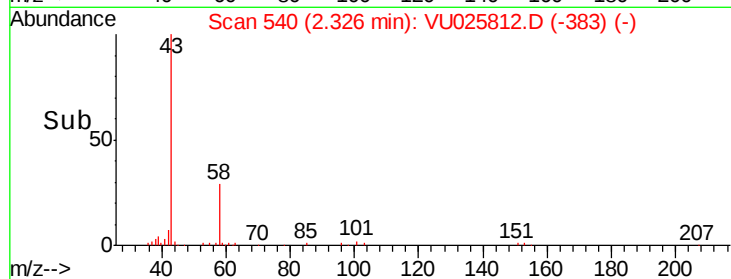
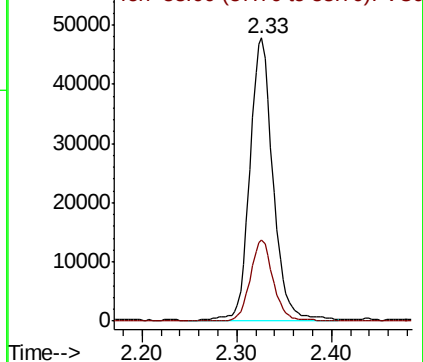
43 100

58 28.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU025630.D (-513) (-)

Ion 58.00 (57.70 to 58.70): VU025630.D (-513) (-)



#14

Carbon Disulfide

Concen: 10.967 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025812.D

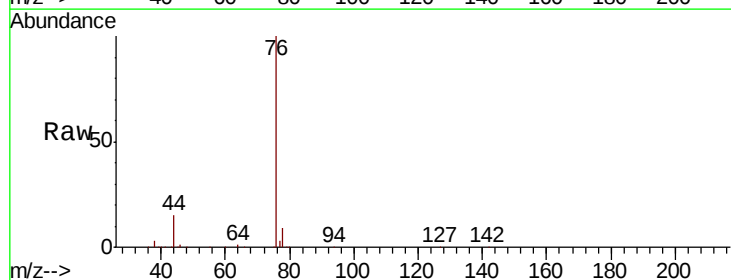
Acq: 03 Aug 2018 11:37

Tgt Ion: 76 Resp: 291395

Ion Ratio Lower Upper

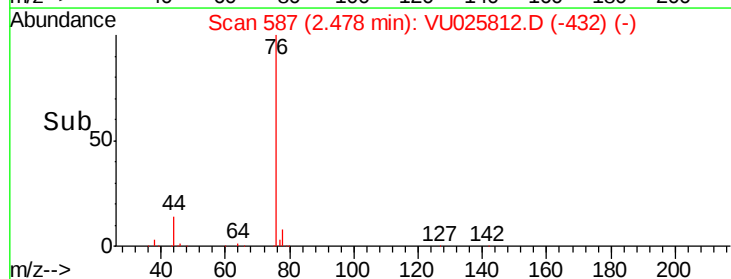
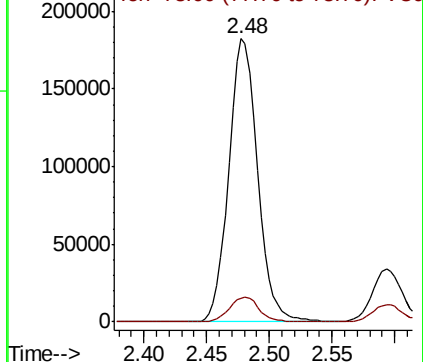
76 100

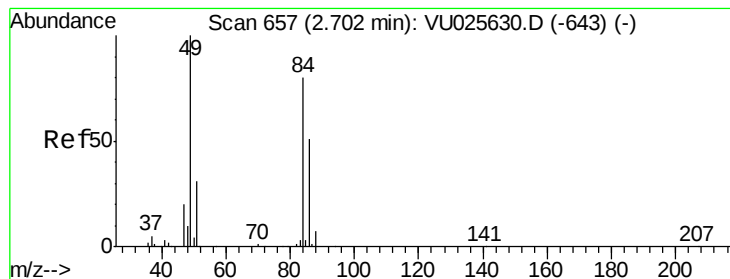
78 8.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025630.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025630.D (-574) (-)





#15

Methylene Chloride

Concen: 10.888 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 84 Resp: 100843

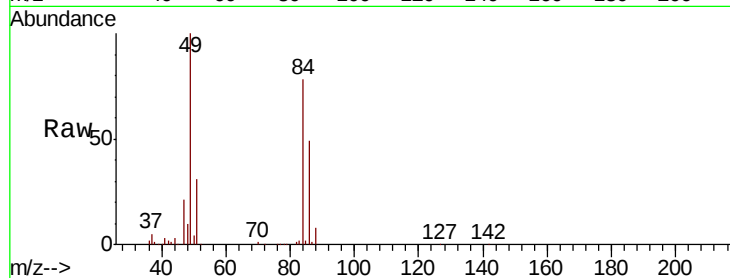
Ion Ratio Lower Upper

84 100

49 127.5 108.7 163.1

51 39.3 0.0 82.4

86 63.0 50.7 76.1

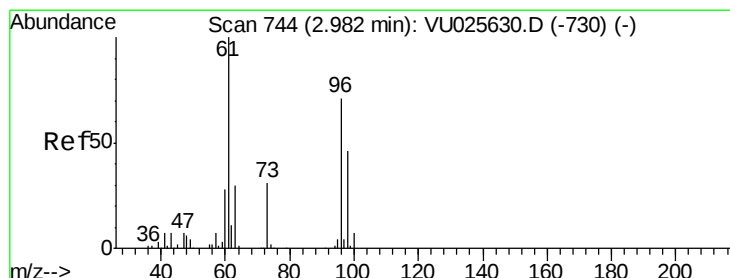
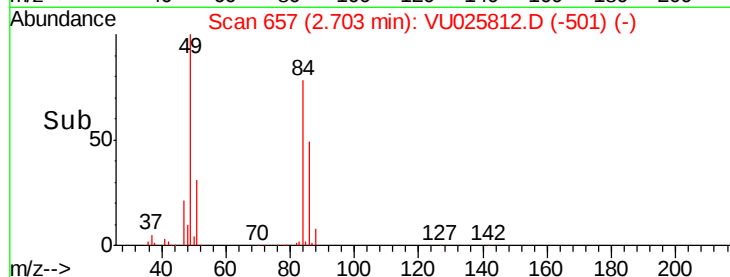
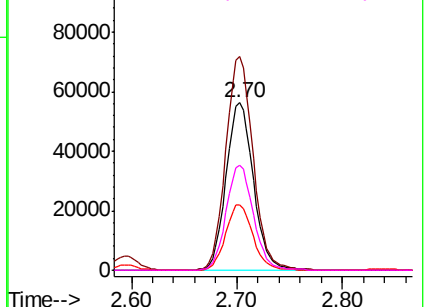


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 11.118 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

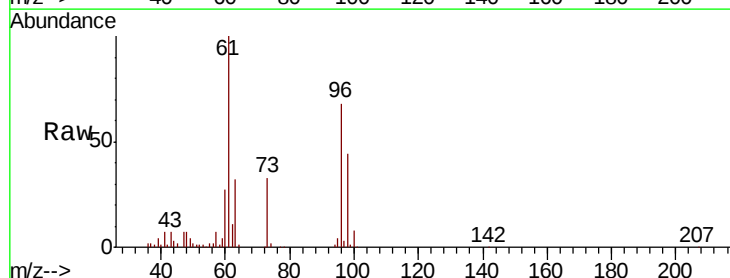
Tgt Ion: 96 Resp: 96843

Ion Ratio Lower Upper

96 100

61 146.6 123.9 185.9

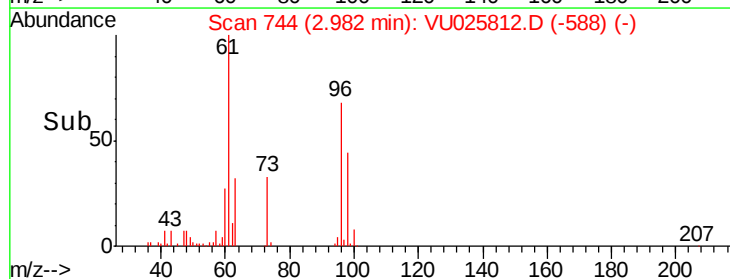
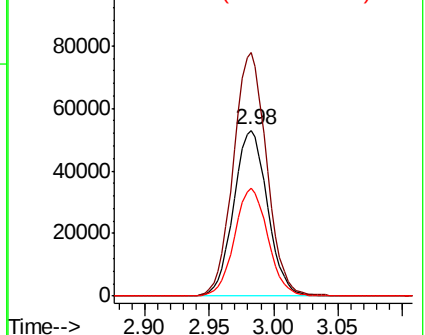
98 65.0 50.6 76.0

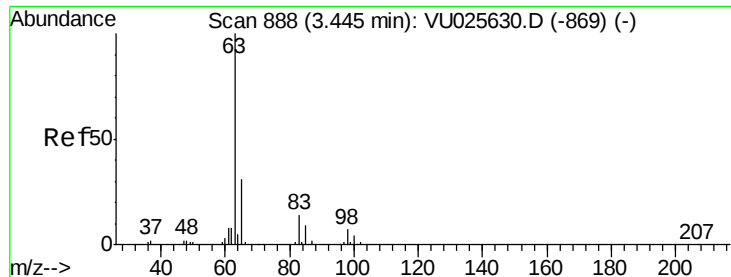


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

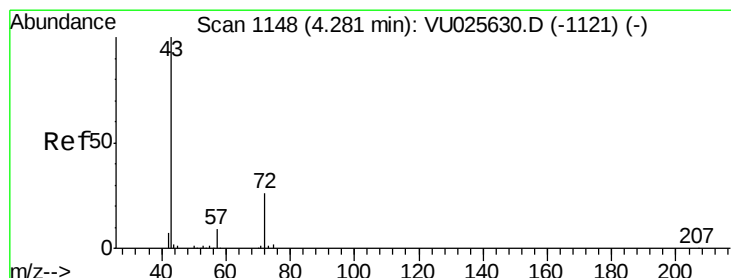
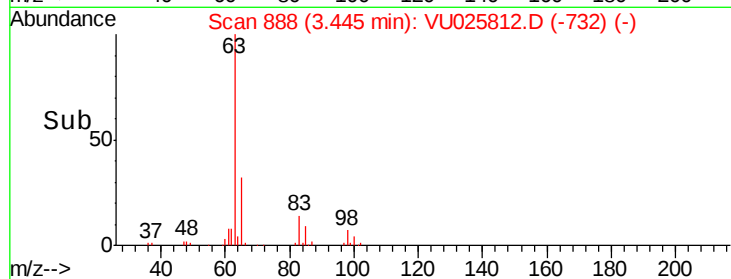
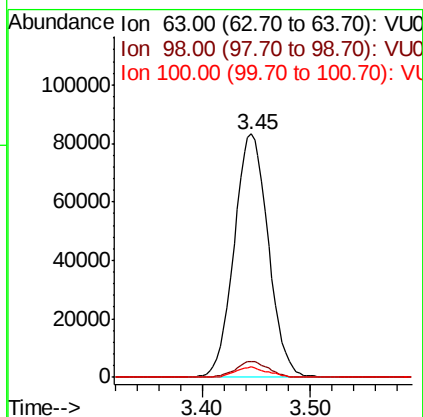
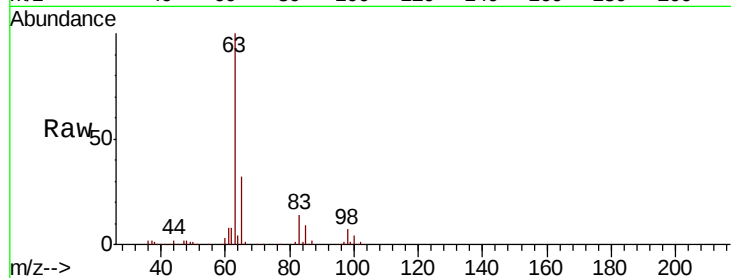




#17  
 1,1-Dichloroethane  
 Concen: 10.617 ug/l  
 RT: 3.45 min Scan# 888  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

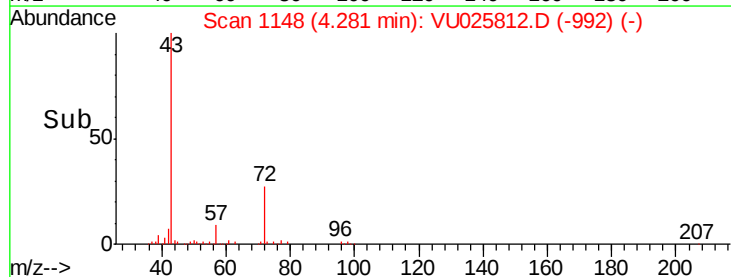
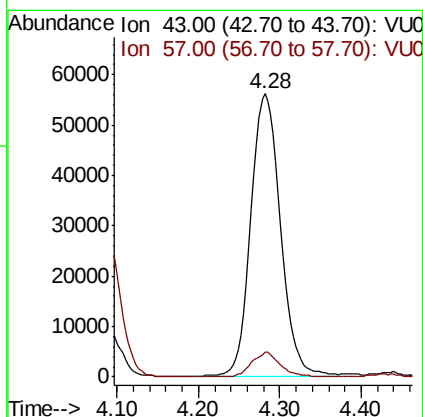
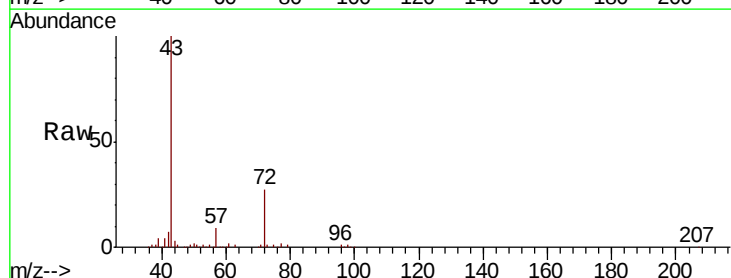
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

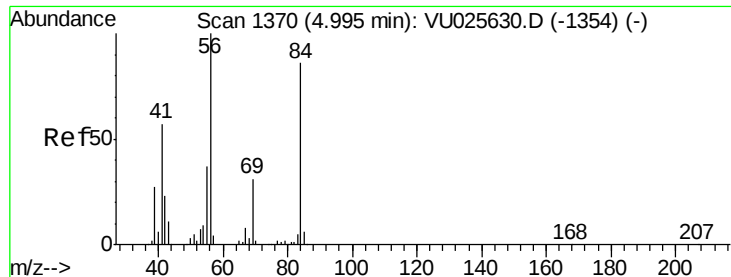
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 6.7   | 2.9   | 8.8   |
| 100     | 4.3   | 2.0   | 5.8   |



#18  
 2-Butanone  
 Concen: 54.808 ug/l  
 RT: 4.28 min Scan# 1148  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.6   | 0.0   | 15.8  |

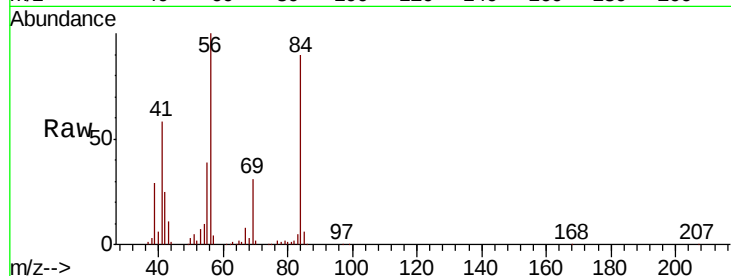




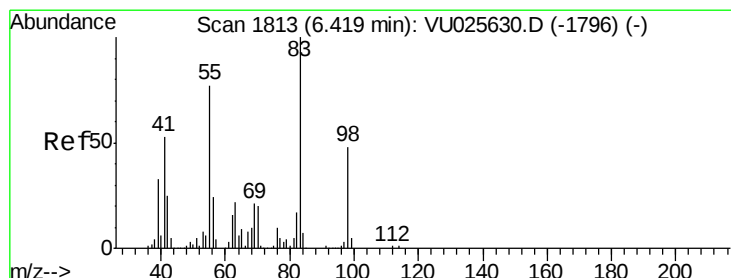
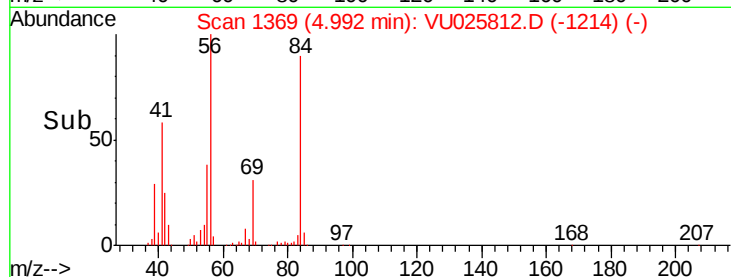
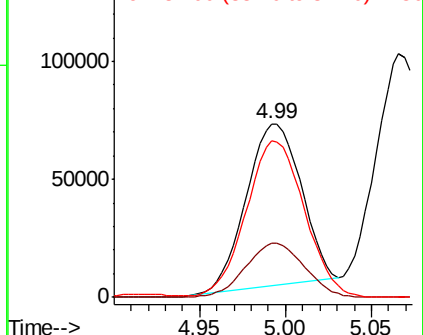
#19  
Cyclohexane  
Concen: 11.418 ug/l  
RT: 4.99 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 56 Resp: 152094  
Ion Ratio Lower Upper  
56 100  
69 36.0 26.0 39.0  
84 101.7 68.3 102.5

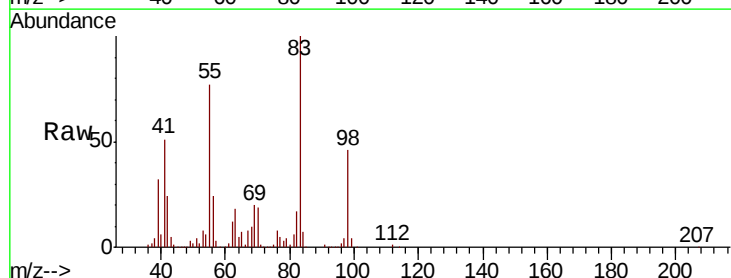


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

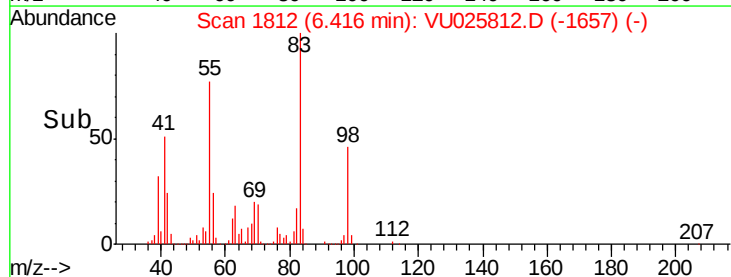
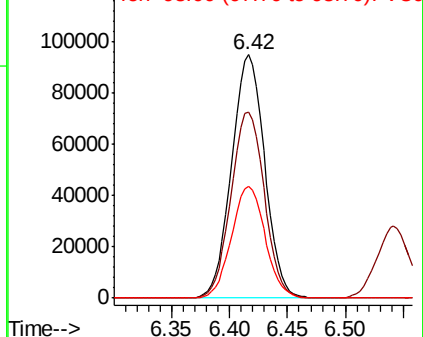


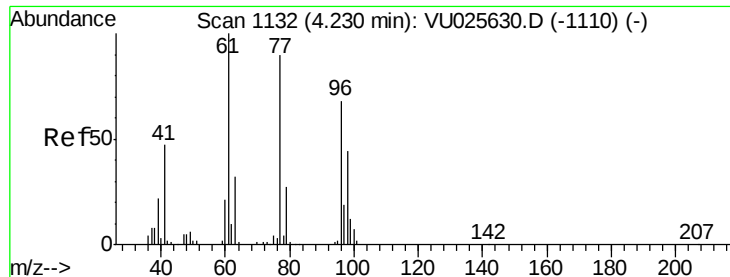
#20  
Methylcyclohexane  
Concen: 11.485 ug/l  
RT: 6.42 min Scan# 1812  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion: 83 Resp: 187670  
Ion Ratio Lower Upper  
83 100  
55 77.1 66.4 99.6  
98 46.8 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

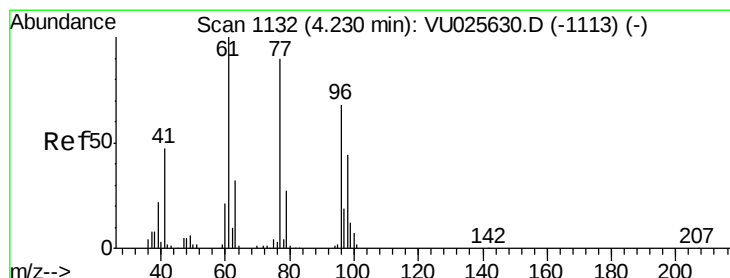
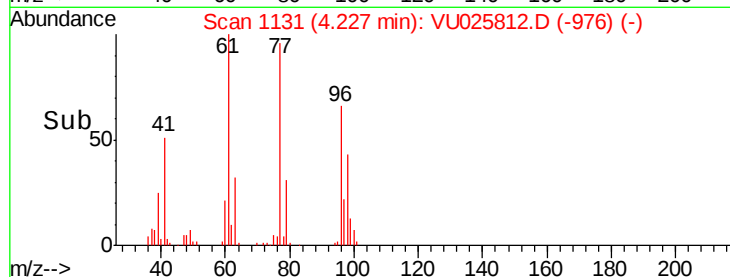
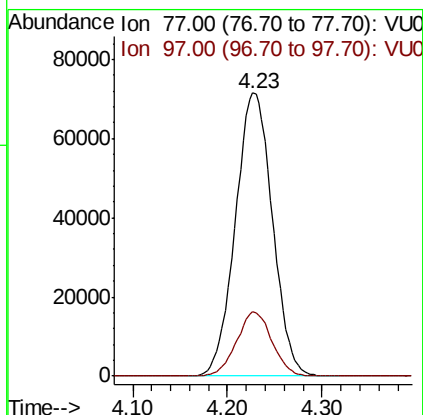
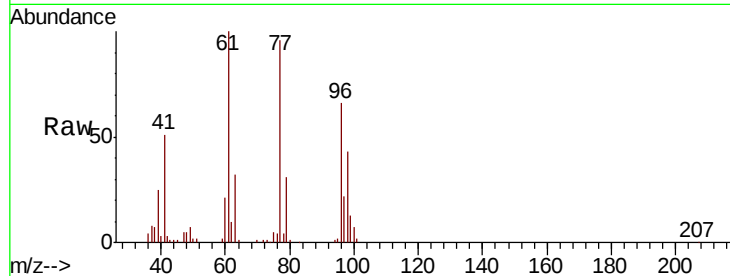




#21  
 2,2-Dichloropropane  
 Concen: 11.836 ug/l  
 RT: 4.23 min Scan# 1131  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

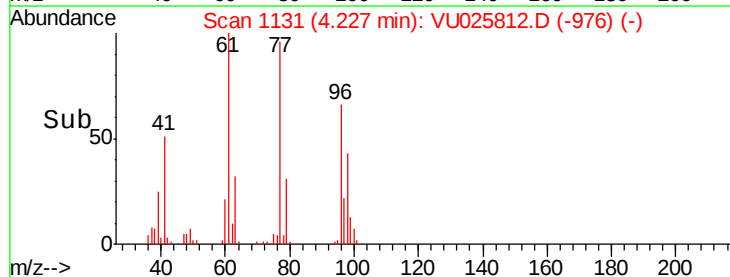
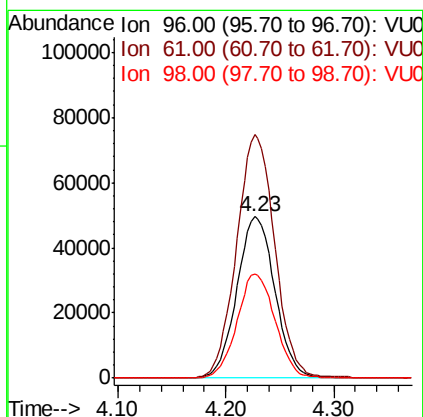
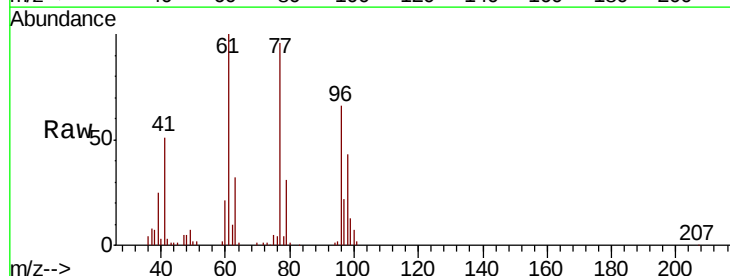
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

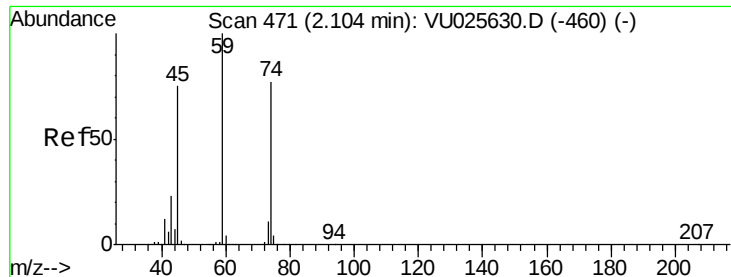
Tgt Ion: 77 Resp: 194951  
 Ion Ratio Lower Upper  
 77 100  
 97 21.7 17.9 26.9



#22  
 cis-1,2-Dichloroethene  
 Concen: 11.093 ug/l  
 RT: 4.23 min Scan# 1131  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 96 Resp: 121646  
 Ion Ratio Lower Upper  
 96 100  
 61 151.5 0.0 400.5  
 98 64.5 32.2 96.6

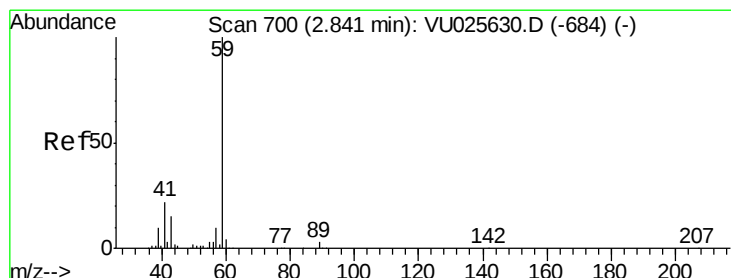
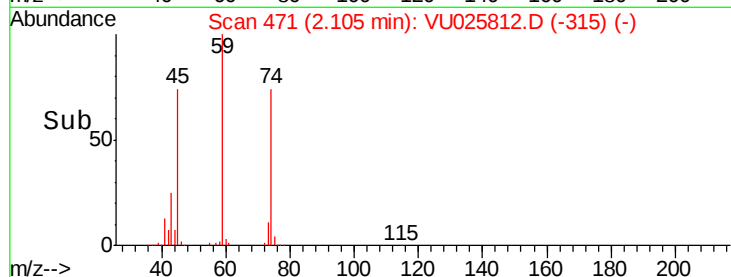
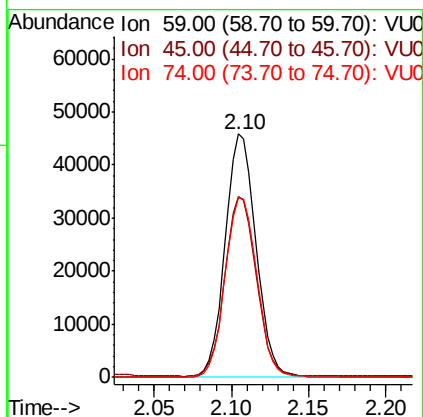
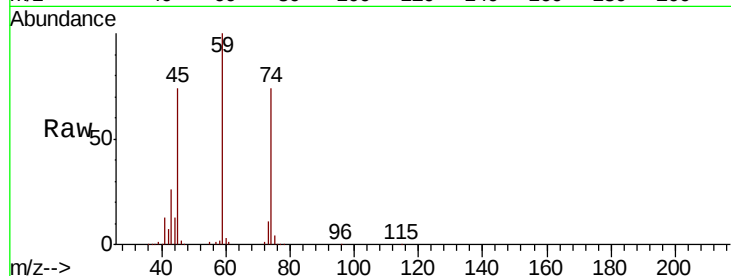




#23  
Diethyl Ether  
Concen: 10.749 ug/l  
RT: 2.10 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

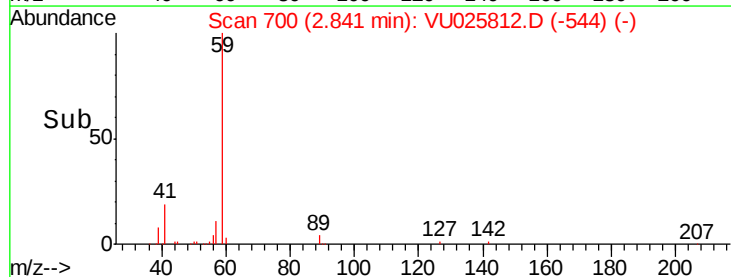
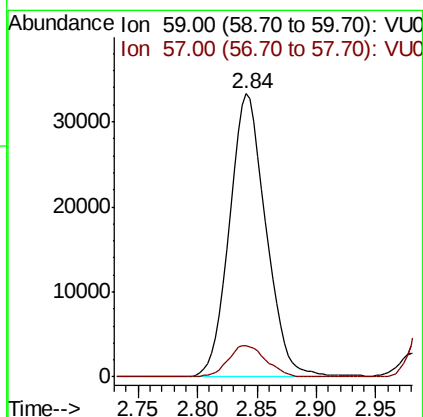
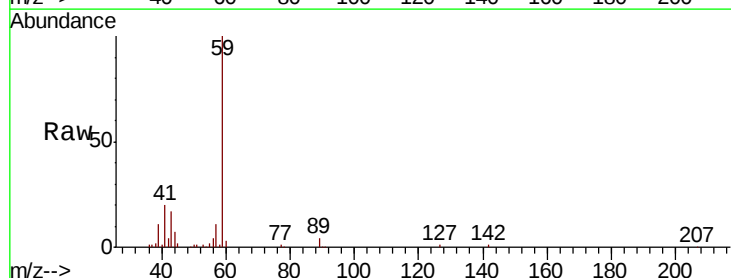
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

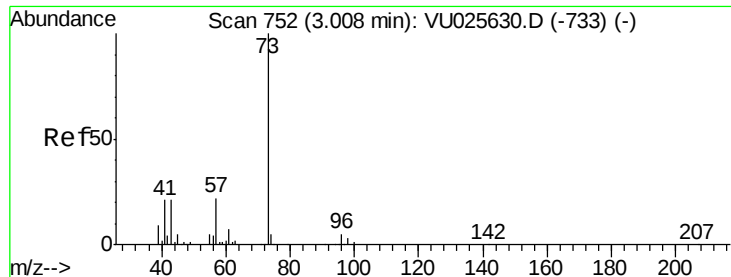
Tgt Ion: 59 Resp: 63247  
Ion Ratio Lower Upper  
59 100  
45 75.0 60.0 90.0  
74 76.0 56.5 84.7



#24  
tert-Butyl Alcohol  
Concen: 102.169 ug/l  
RT: 2.84 min Scan# 700  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion: 59 Resp: 70616  
Ion Ratio Lower Upper  
59 100  
57 11.5 3.4 5.2#



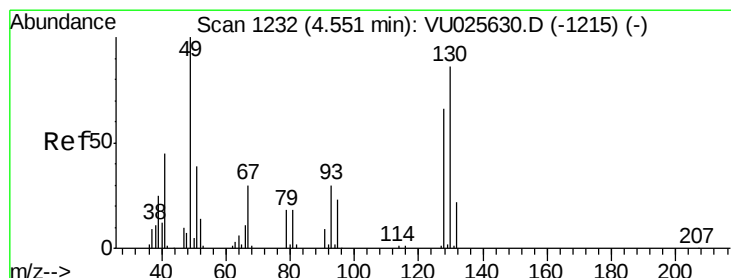
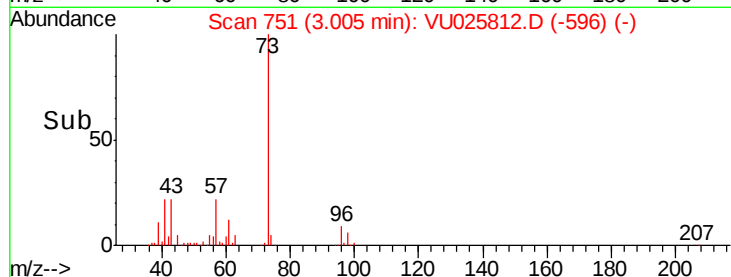
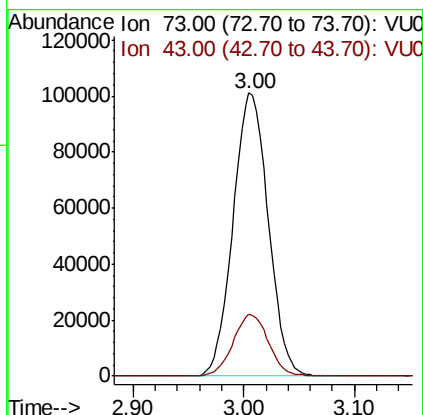
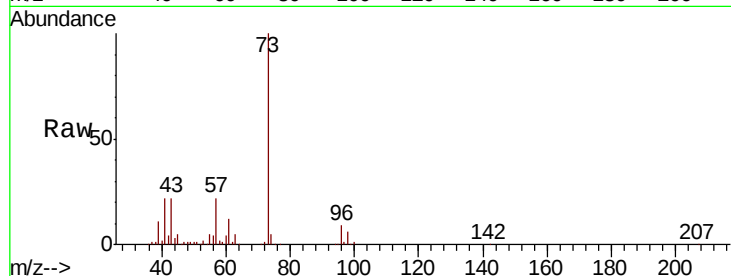


#25

Methyl tert-Butyl Ether  
 Concen: 10.631 ug/l  
 RT: 3.00 min Scan# 751  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

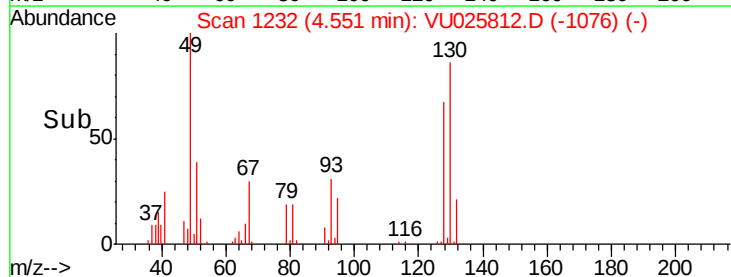
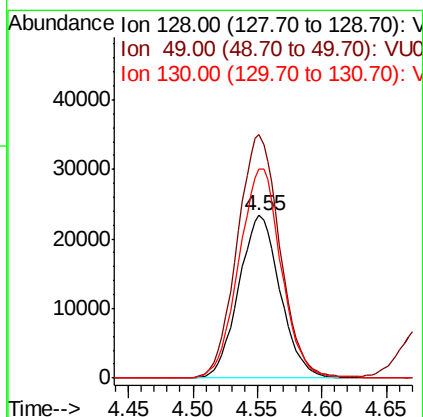
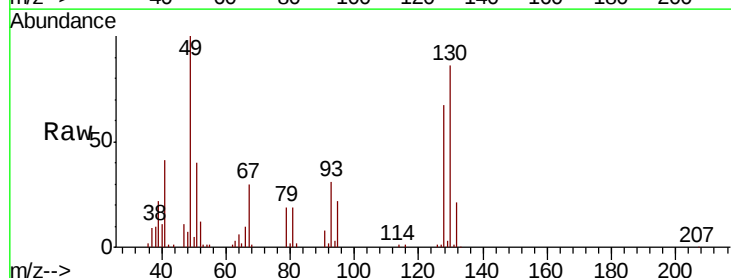
Tgt Ion: 73 Resp: 223355  
 Ion Ratio Lower Upper  
 73 100  
 43 21.6 16.2 24.2

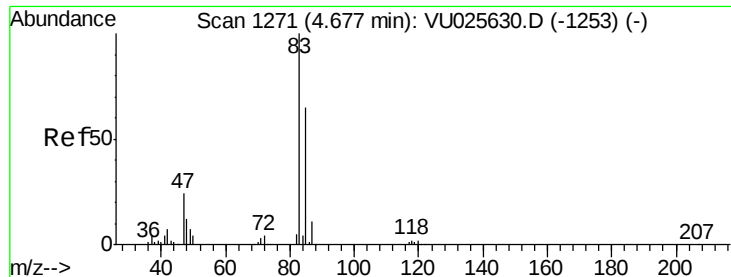


#26

Bromochloromethane  
 Concen: 10.857 ug/l  
 RT: 4.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 128 Resp: 52432  
 Ion Ratio Lower Upper  
 128 100  
 49 154.2 0.0 375.2  
 130 131.6 105.8 158.6





#27

Chloroform

Concen: 11.186 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

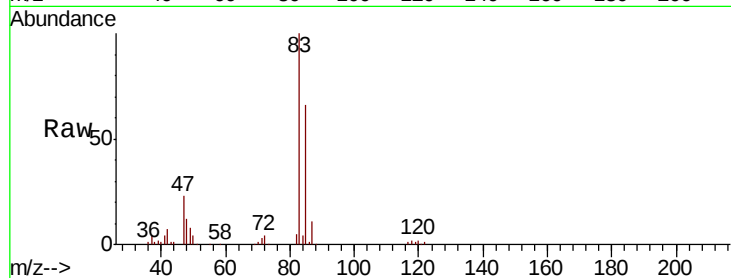
VSTDCCC010

Tgt Ion: 83 Resp: 212371

Ion Ratio Lower Upper

83 100

85 65.7 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

100000

80000

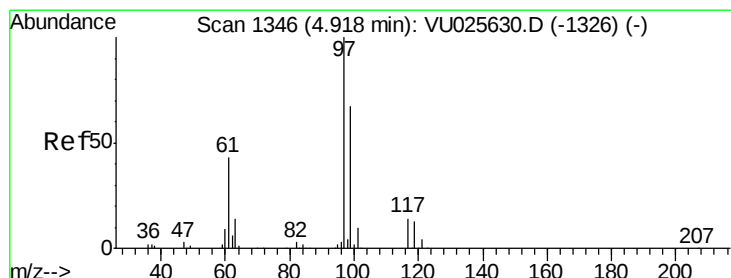
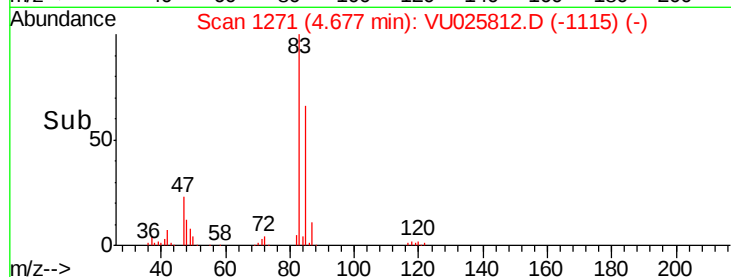
60000

40000

20000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 11.365 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

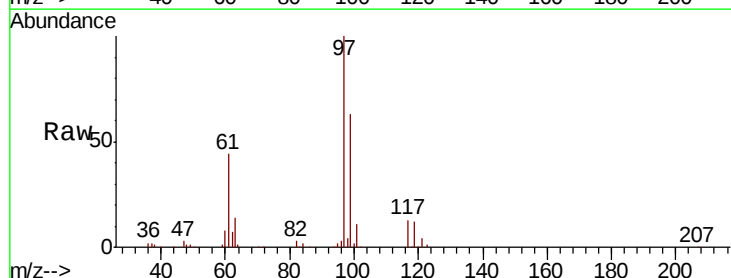
Tgt Ion: 97 Resp: 194594

Ion Ratio Lower Upper

97 100

99 64.0 32.3 96.9

61 43.0 23.2 69.5



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

4.91

100000

80000

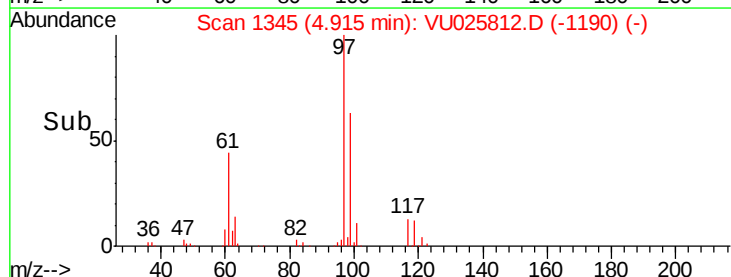
60000

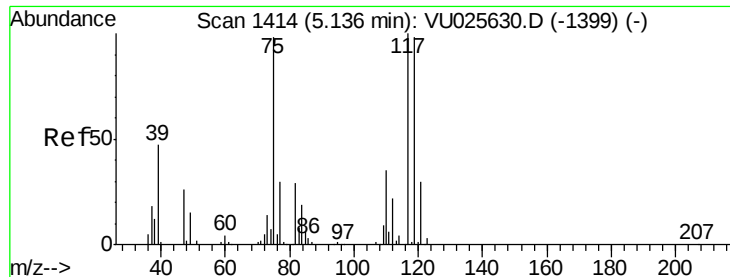
40000

20000

0

Time-->





#29

1,1-Dichloropropene

Concen: 11.614 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

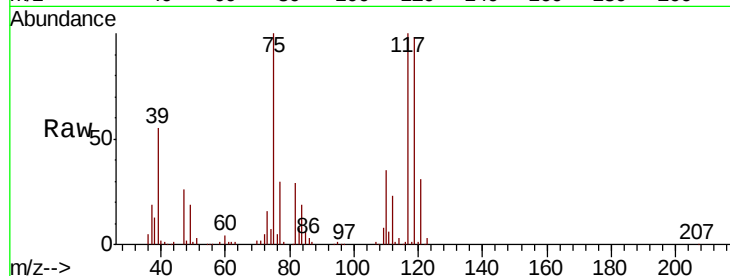
Tgt Ion: 75 Resp: 163101

Ion Ratio Lower Upper

75 100

110 35.7 16.9 50.7

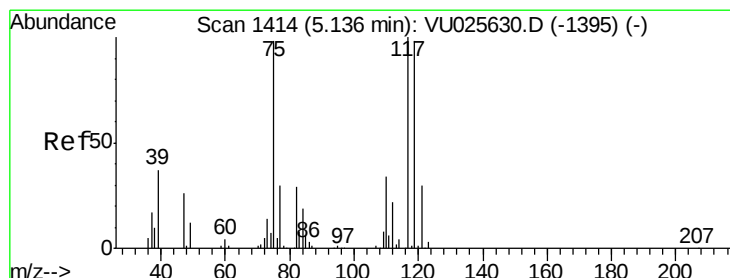
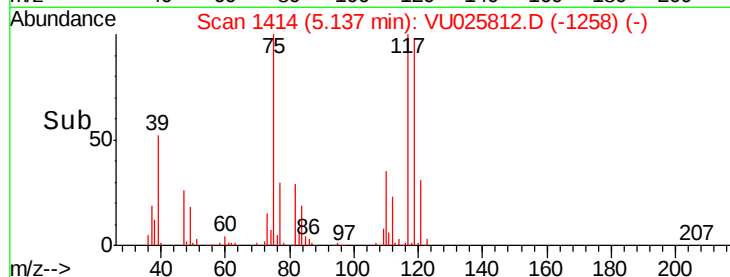
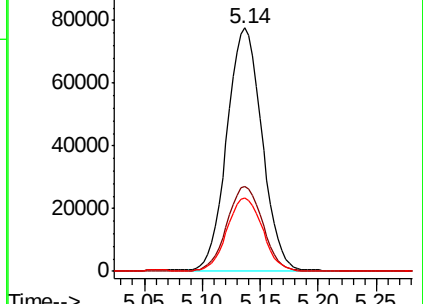
77 30.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU025630.D (-1399) (-)

Ion 110.00 (109.70 to 110.70): VU025630.D (-1399) (-)

Ion 77.00 (76.70 to 77.70): VU025630.D (-1399) (-)



#30

Carbon Tetrachloride

Concen: 11.589 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

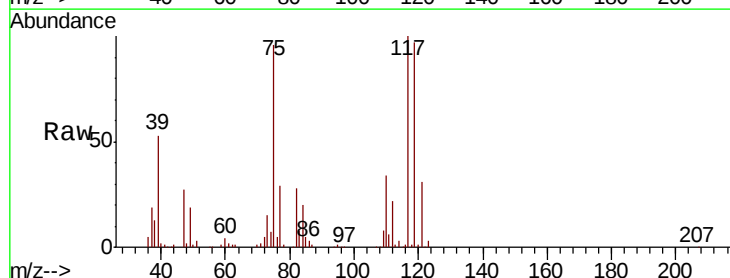
Tgt Ion: 117 Resp: 180189

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9

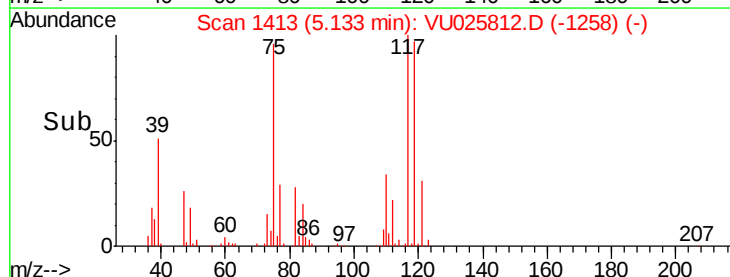
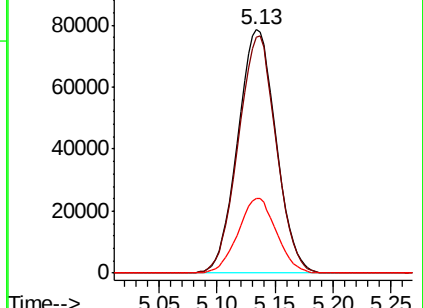
121 30.7 24.5 36.7

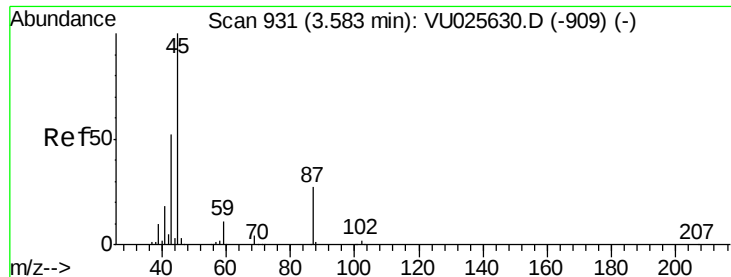


Abundance Ion 117.00 (116.70 to 117.70): VU025630.D (-1395) (-)

Ion 119.00 (118.70 to 119.70): VU025630.D (-1395) (-)

Ion 121.00 (120.70 to 121.70): VU025630.D (-1395) (-)

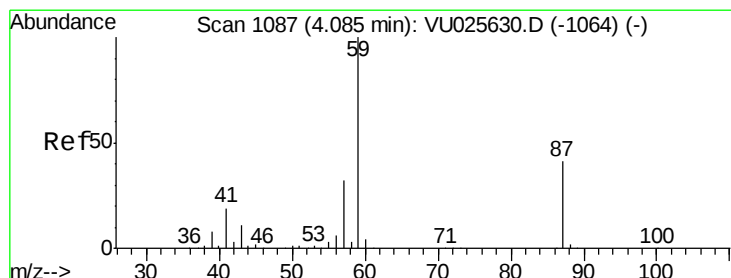
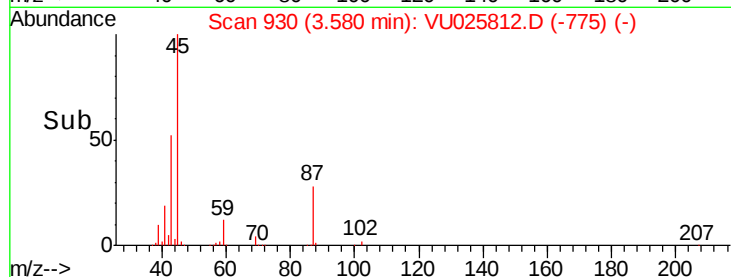
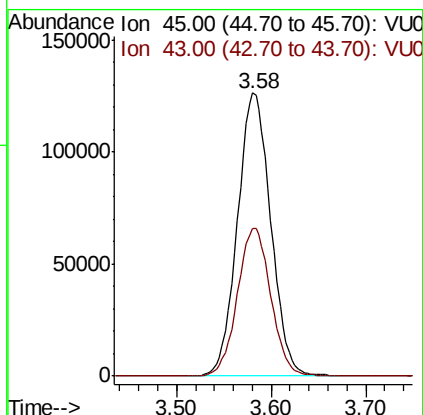
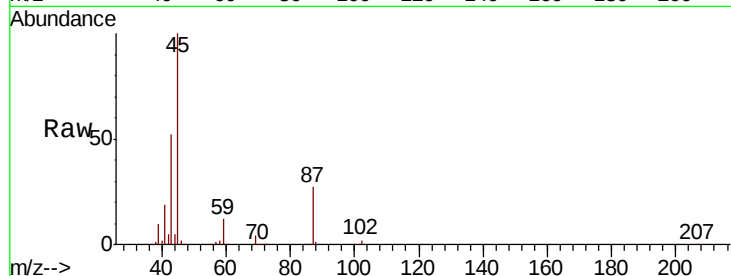




#31  
Isopropyl Ether  
Concen: 11.121 ug/l  
RT: 3.58 min Scan# 930  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

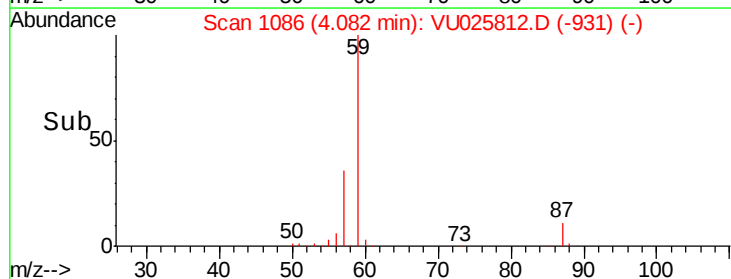
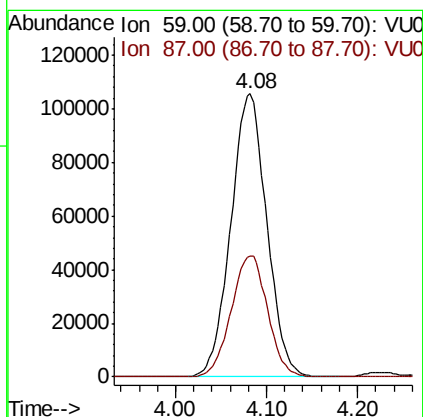
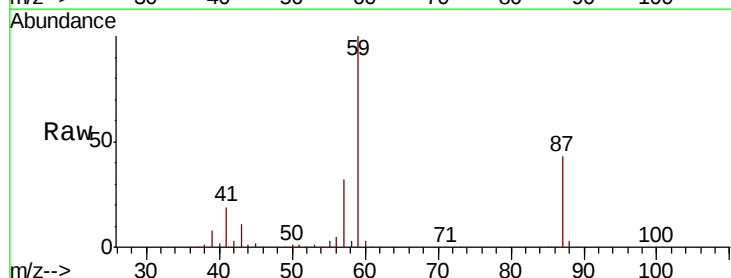
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

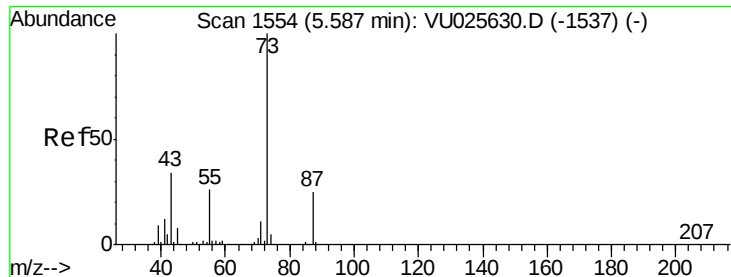
Tgt Ion: 45 Resp: 307807  
Ion Ratio Lower Upper  
45 100  
43 52.7 24.0 72.0



#32  
Ethyl-t-butyl ether  
Concen: 10.991 ug/l  
RT: 4.08 min Scan# 1086  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion: 59 Resp: 289080  
Ion Ratio Lower Upper  
59 100  
87 43.4 31.0 46.6

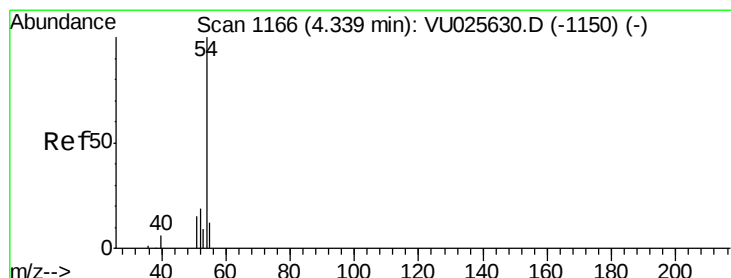
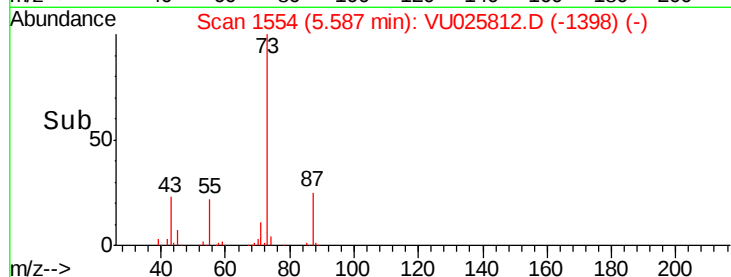
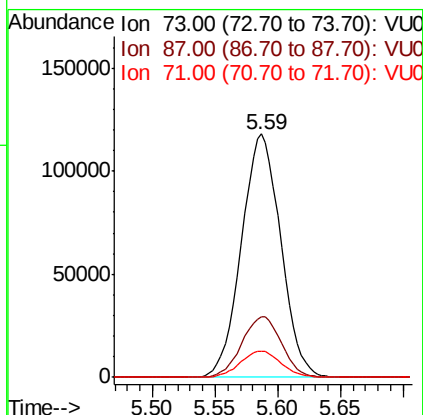
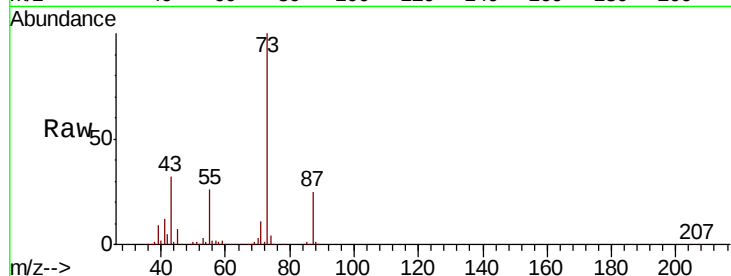




#33  
 Tert-Amyl methyl ether  
 Concen: 11.047 ug/l  
 RT: 5.59 min Scan# 1554  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

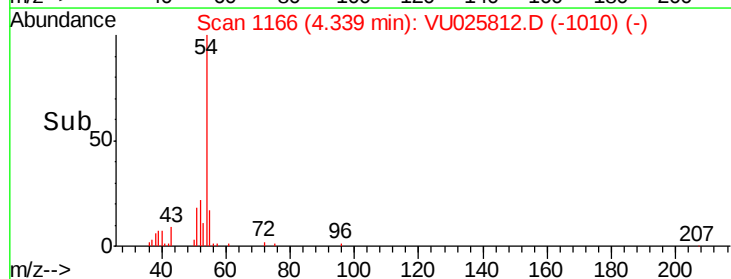
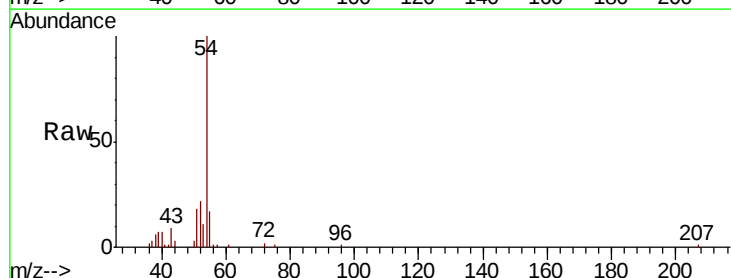
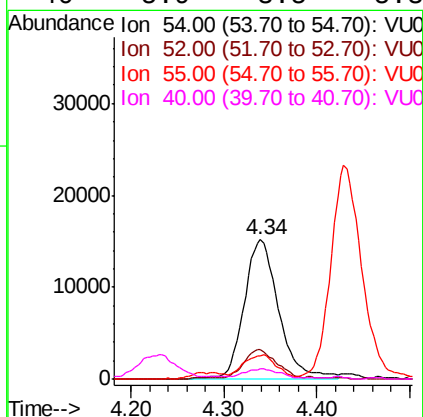
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

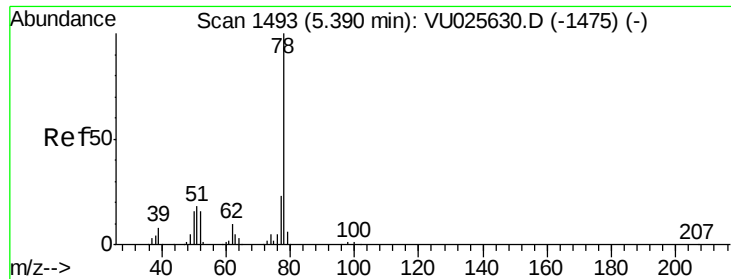
Tgt Ion: 73 Resp: 256548  
 Ion Ratio Lower Upper  
 73 100  
 87 25.3 18.6 28.0  
 71 11.2 9.3 13.9



#34  
 Propionitrile  
 Concen: 54.747 ug/l  
 RT: 4.34 min Scan# 1166  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 54 Resp: 39316  
 Ion Ratio Lower Upper  
 54 100  
 52 18.8 13.7 20.5  
 55 13.5 10.2 15.2  
 40 5.9 3.5 5.3#





#35

Benzene

Concen: 11.453 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

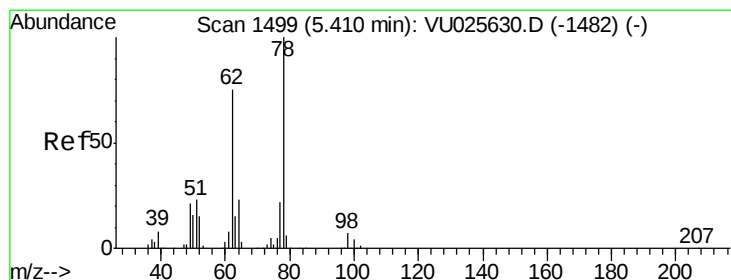
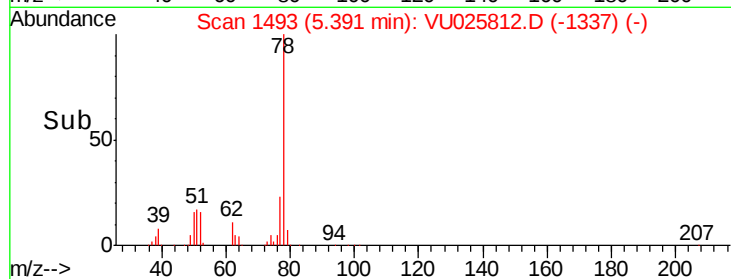
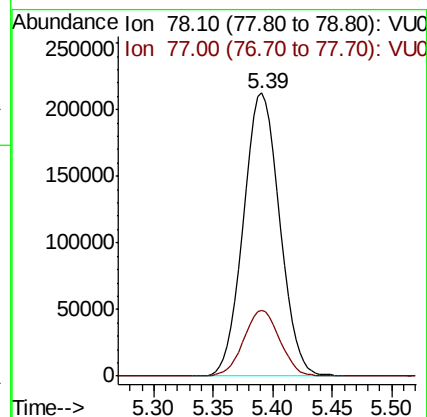
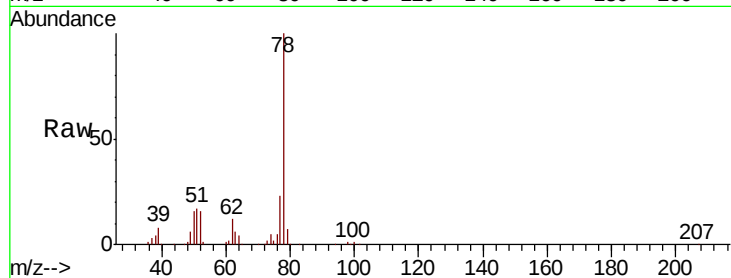
VSTDCCC010

Tgt Ion: 78 Resp: 449625

Ion Ratio Lower Upper

78 100

77 23.4 19.1 28.7



#36

1,2-Dichloroethane

Concen: 11.262 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025812.D

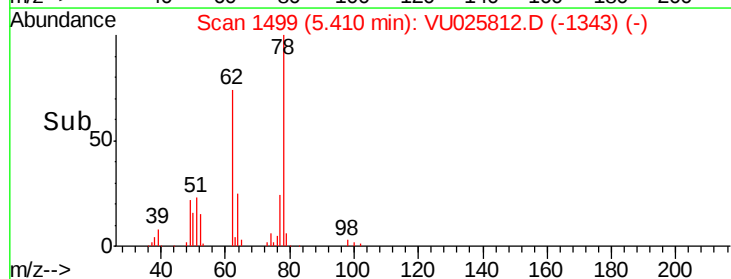
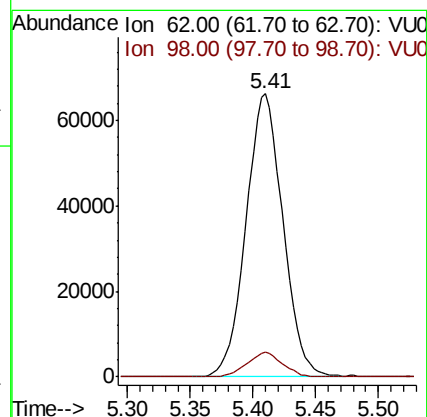
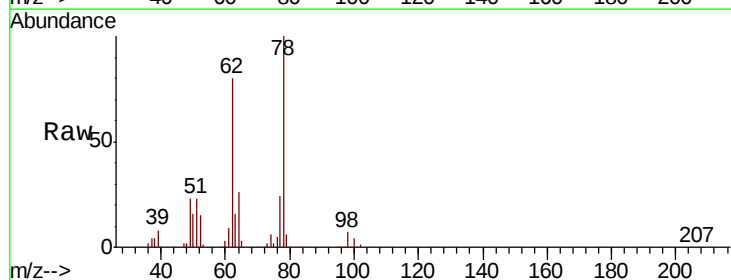
Acq: 03 Aug 2018 11:37

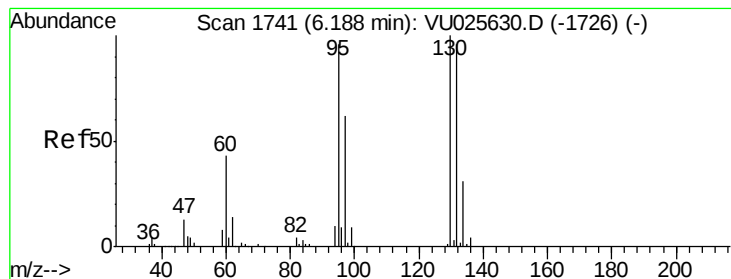
Tgt Ion: 62 Resp: 135725

Ion Ratio Lower Upper

62 100

98 8.4 7.2 10.8





#37

Trichloroethene

Concen: 10.994 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

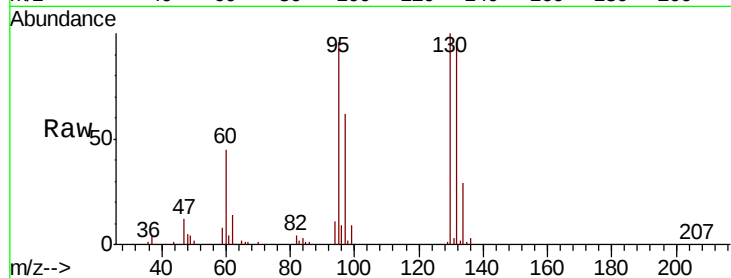
VSTDCCC010

Tgt Ion:130 Resp: 127134

Ion Ratio Lower Upper

130 100

95 95.6 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU025630.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU025630.D (-1726) (-)

6.19

80000

60000

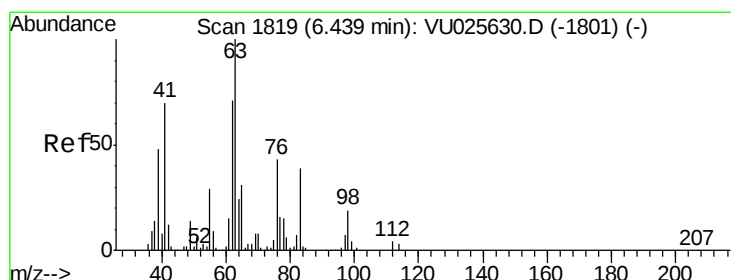
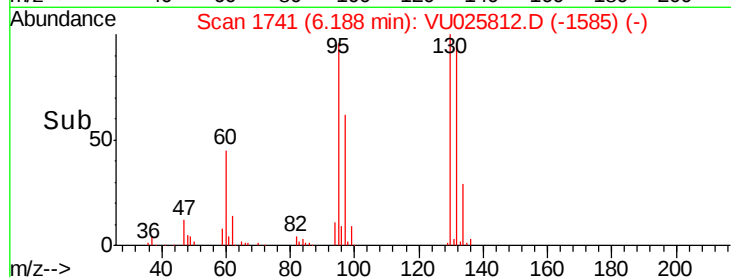
40000

20000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 11.212 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025812.D

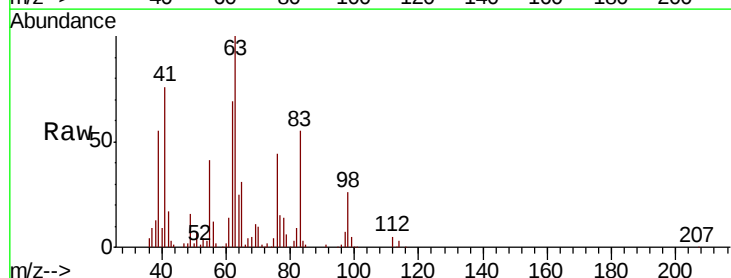
Acq: 03 Aug 2018 11:37

Tgt Ion: 63 Resp: 114213

Ion Ratio Lower Upper

63 100

65 31.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU025630.D (-1801) (-)

6.44

60000

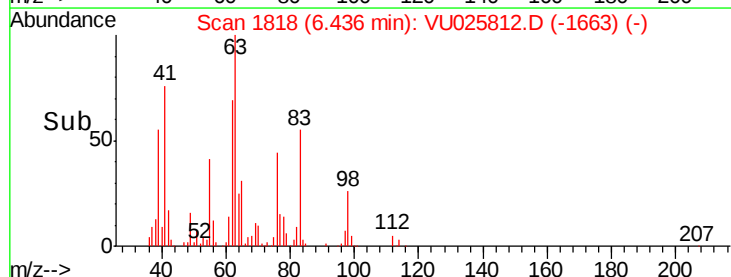
40000

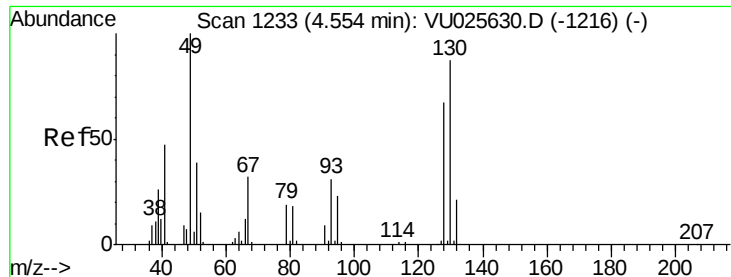
20000

0

6.35 6.40 6.45 6.50 6.55

Time-->

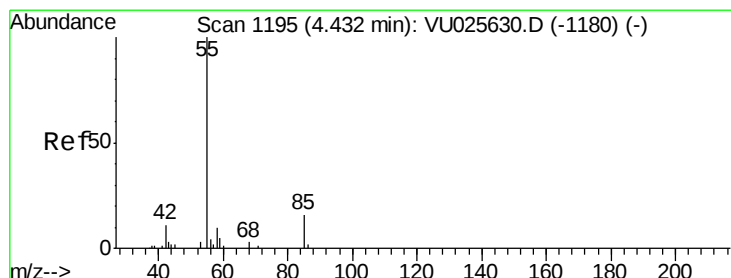
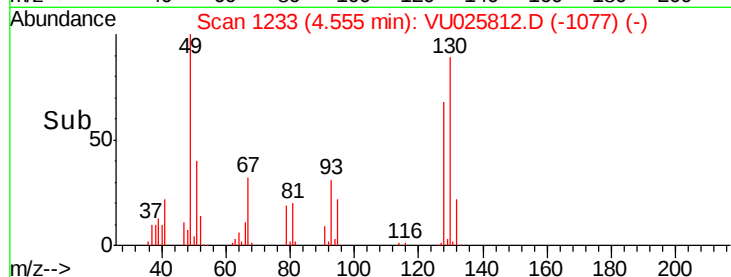
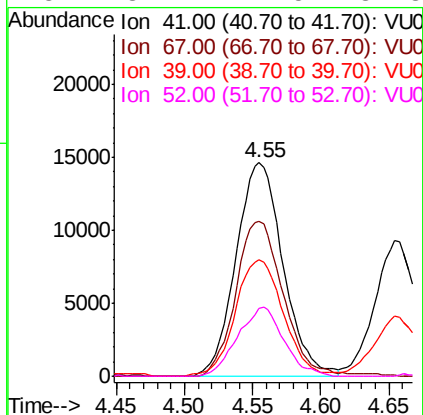
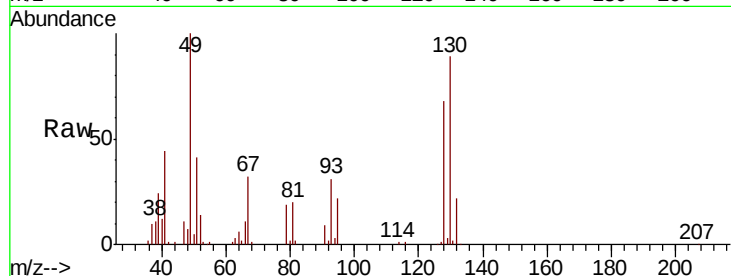




#39  
Methacrylonitrile  
Concen: 10.618 ug/l  
RT: 4.55 min Scan# 1233  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

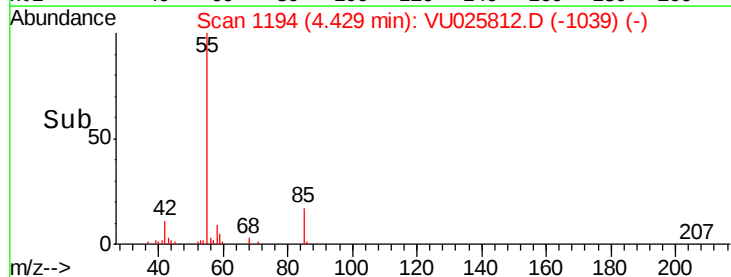
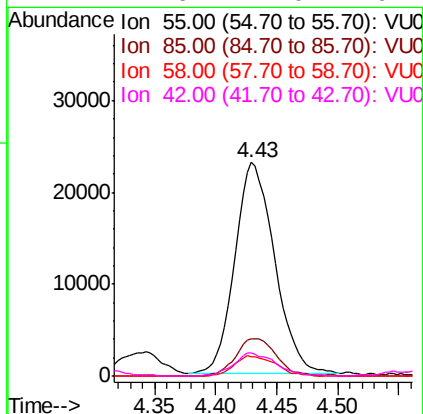
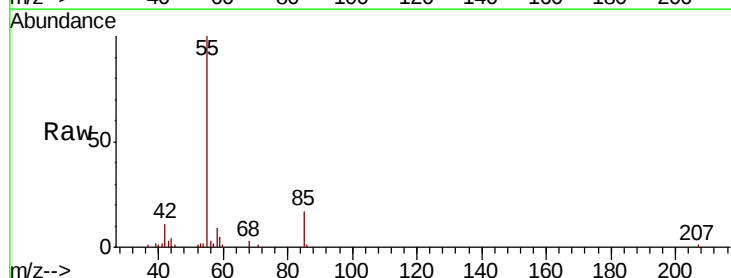
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

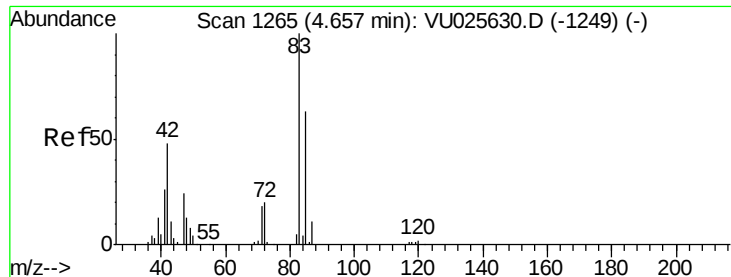
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 35104 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 72.7  | 51.3  | 76.9  |
| 39       | 55.6  | 40.6  | 60.8  |
| 52       | 31.7  | 21.5  | 32.3  |



#40  
Methyl acrylate  
Concen: 10.397 ug/l  
RT: 4.43 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 51841 |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 18.0  | 12.3  | 18.5  |
| 58       | 9.9   | 7.0   | 10.6  |
| 42       | 11.6  | 7.0   | 10.4# |





#41

Tetrahydrofuran

Concen: 18.263 ug/l

RT: 4.66 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

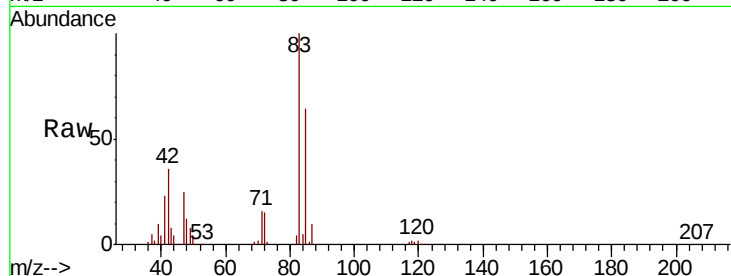
Tgt Ion: 42 Resp: 35676

Ion Ratio Lower Upper

42 100

72 46.8 33.2 49.8

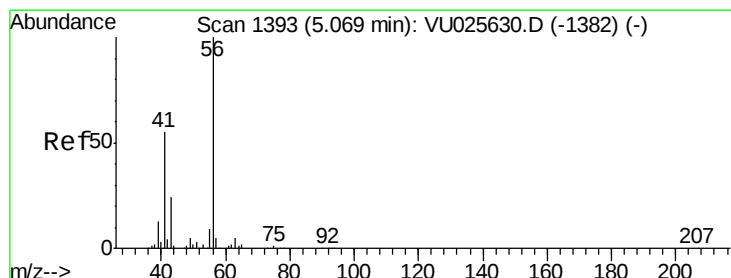
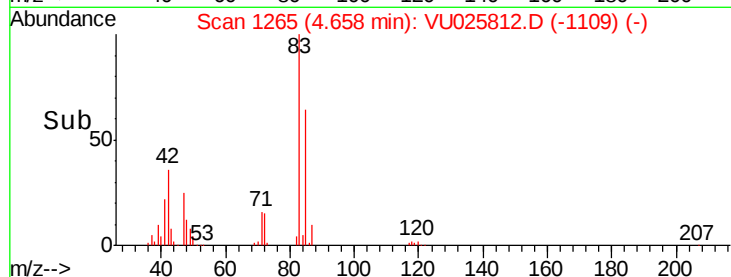
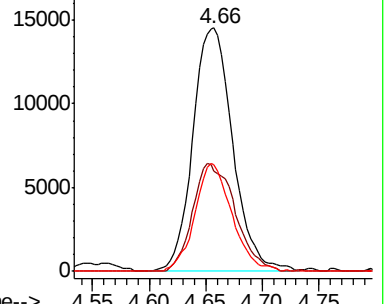
71 41.0 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VU025630.D (-1249) (-)

Ion 72.00 (71.70 to 72.70): VU025630.D (-1249) (-)

Ion 71.00 (70.70 to 71.70): VU025630.D (-1249) (-)



#42

1-Chlorobutane

Concen: 11.504 ug/l

RT: 5.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU025812.D

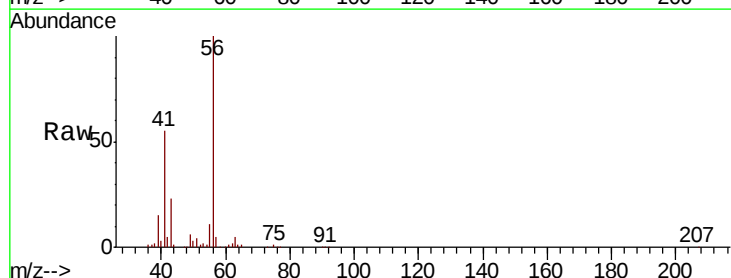
Acq: 03 Aug 2018 11:37

Tgt Ion: 56 Resp: 220209

Ion Ratio Lower Upper

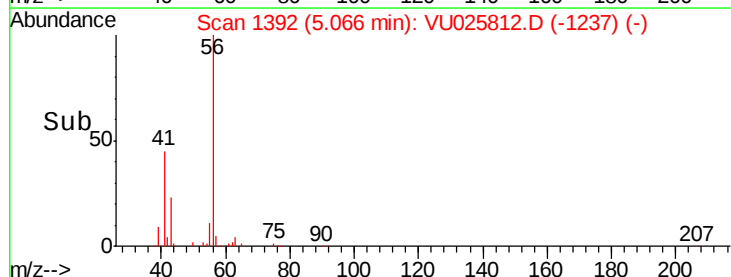
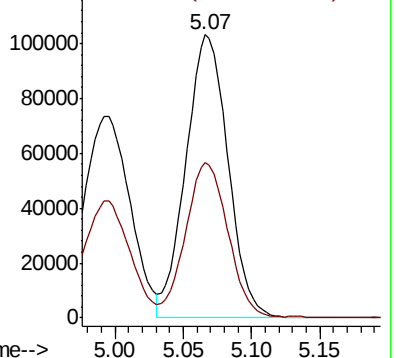
56 100

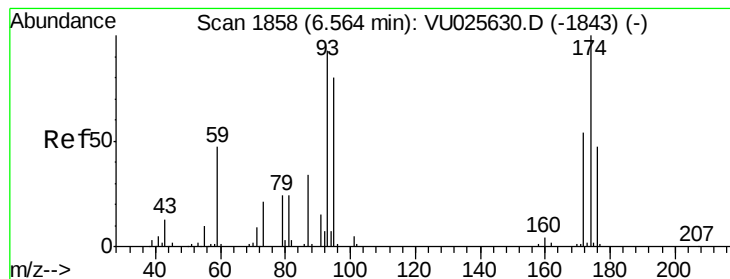
41 54.9 27.5 82.5



Abundance Ion 56.00 (55.70 to 56.70): VU025630.D (-1382) (-)

Ion 41.00 (40.70 to 41.70): VU025630.D (-1382) (-)





#43

Dibromomethane

Concen: 11.225 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

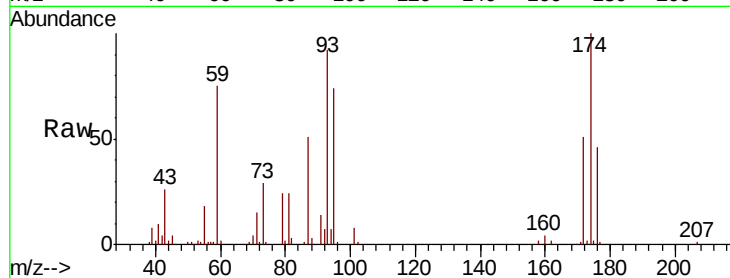
Tgt Ion: 93 Resp: 59688

Ion Ratio Lower Upper

93 100

95 82.3 67.2 100.8

174 108.0 82.8 124.2

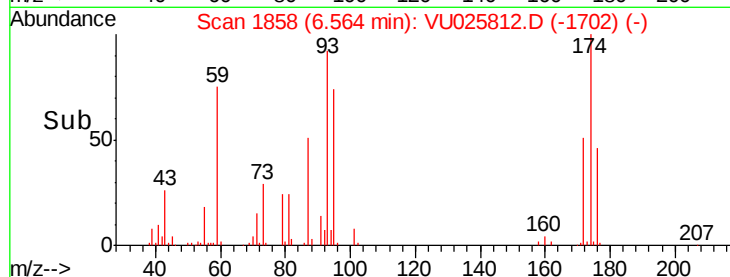


Abundance Ion 93.00 (92.70 to 93.70): VU025630.D (-1843) (-)

Ion 95.00 (94.70 to 95.70): VU025630.D (-1843) (-)

Ion 174.00 (173.70 to 174.70): VU025630.D (-1843) (-)

Time-->

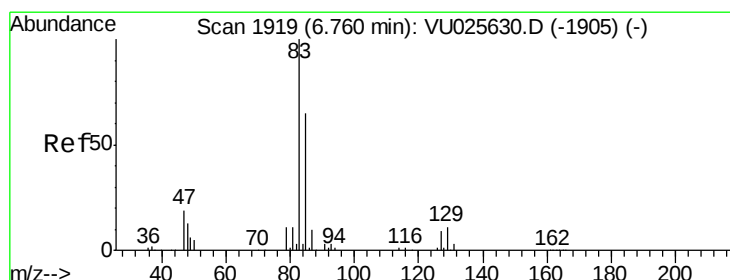


Abundance Ion 93.00 (92.70 to 93.70): VU025812.D (-1702) (-)

Ion 95.00 (94.70 to 95.70): VU025812.D (-1702) (-)

Ion 174.00 (173.70 to 174.70): VU025812.D (-1702) (-)

Time-->



#44

Bromodichloromethane

Concen: 11.569 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

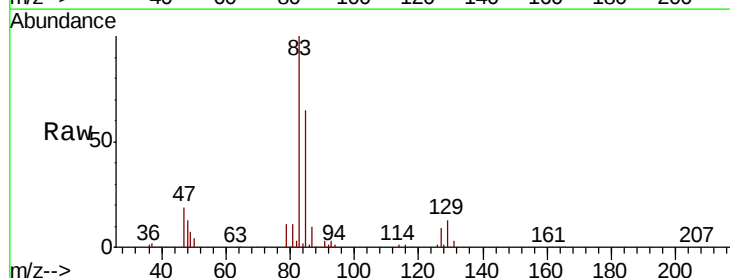
Tgt Ion: 83 Resp: 155893

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.4

127 9.1 7.0 10.4

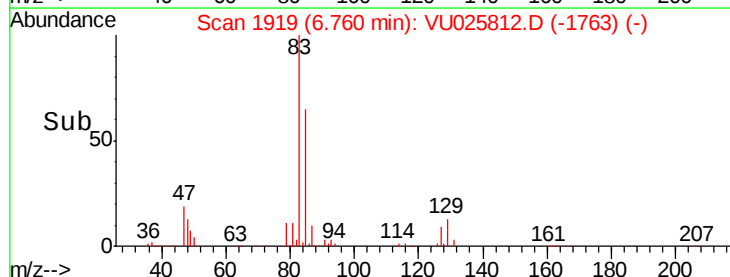


Abundance Ion 83.00 (82.70 to 83.70): VU025630.D (-1905) (-)

Ion 85.00 (84.70 to 85.70): VU025630.D (-1905) (-)

Ion 127.00 (126.70 to 127.70): VU025630.D (-1905) (-)

Time-->

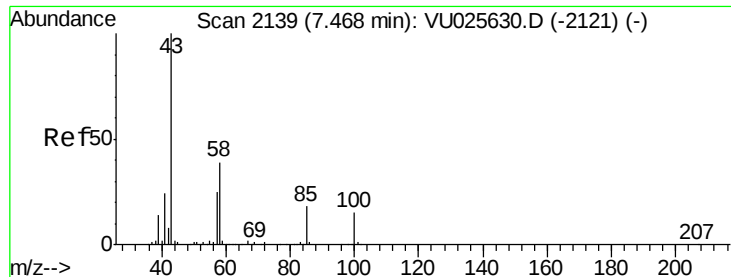


Abundance Ion 83.00 (82.70 to 83.70): VU025812.D (-1763) (-)

Ion 85.00 (84.70 to 85.70): VU025812.D (-1763) (-)

Ion 127.00 (126.70 to 127.70): VU025812.D (-1763) (-)

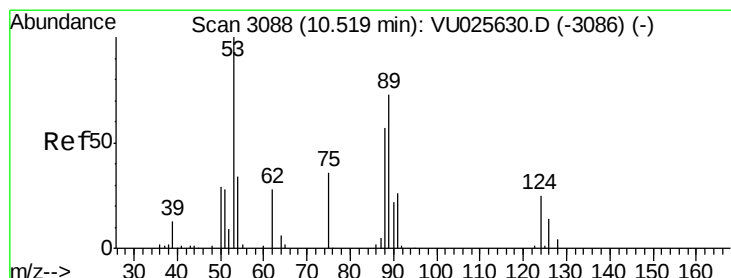
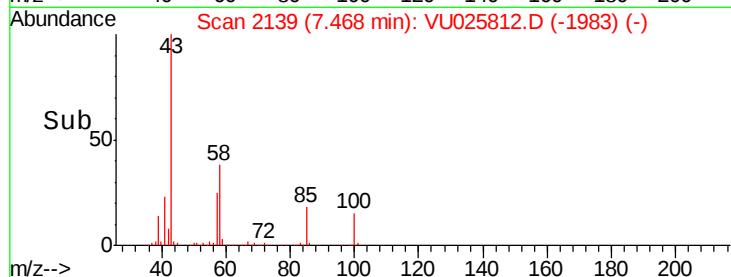
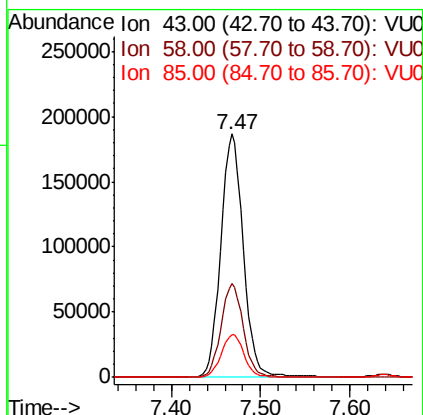
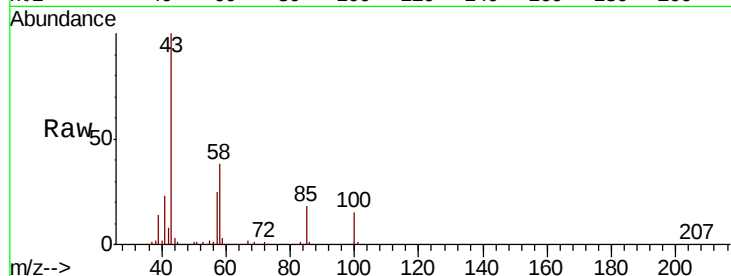
Time-->



#45  
 4-Methyl-2-Pentanone  
 Concen: 55.142 ug/l  
 RT: 7.47 min Scan# 2139  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

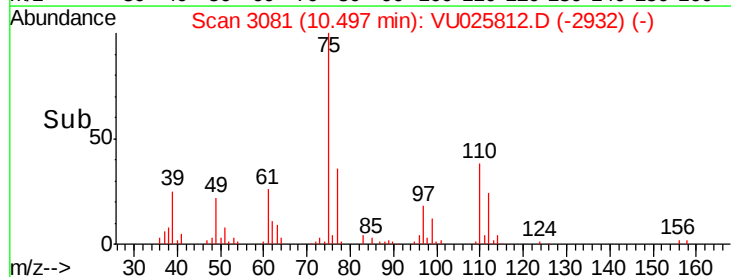
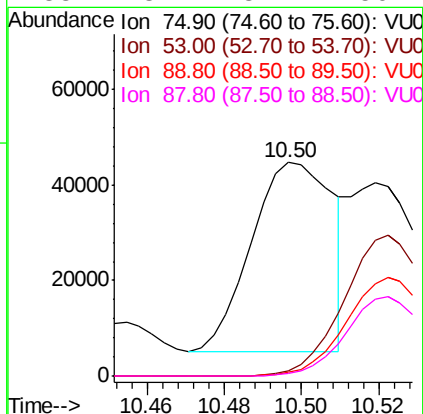
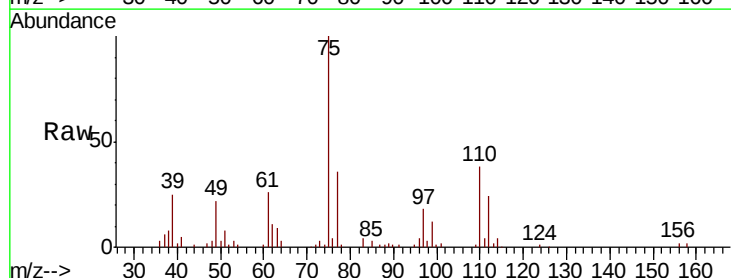
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

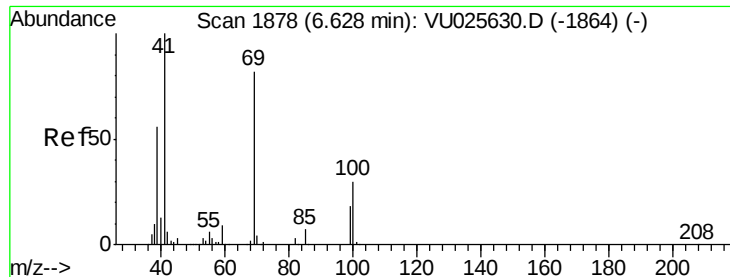
Tgt Ion: 43 Resp: 327017  
 Ion Ratio Lower Upper  
 43 100  
 58 37.7 18.8 56.4  
 85 17.7 12.6 19.0



#46  
 t-1,4-Dichloro-2-butene  
 Concen: 22.785 ug/l  
 RT: 10.50 min Scan# 3081  
 Delta R.T. -0.02 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 75 Resp: 58048  
 Ion Ratio Lower Upper  
 75 100  
 53 79.1 82.2 123.4#  
 89 53.8 51.3 76.9  
 88 43.2 37.4 56.2

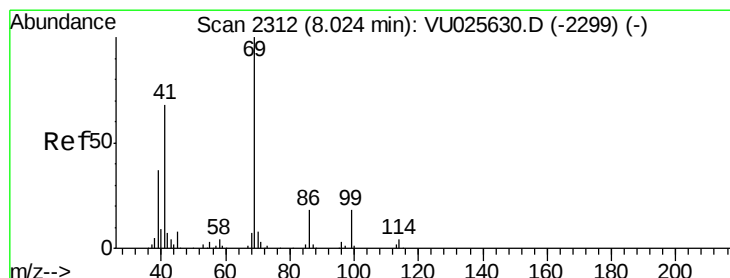
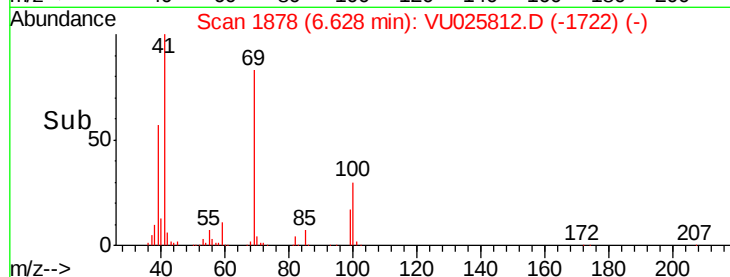
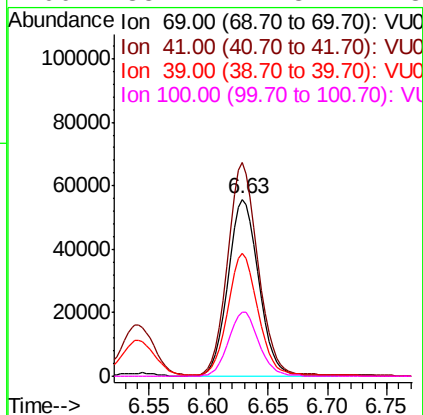
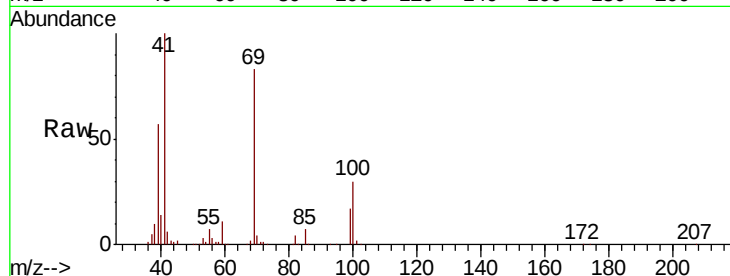




#47  
Methyl methacrylate  
Concen: 22.478 ug/l  
RT: 6.63 min Scan# 1878  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

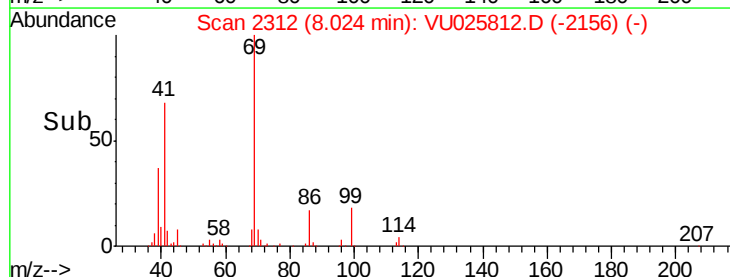
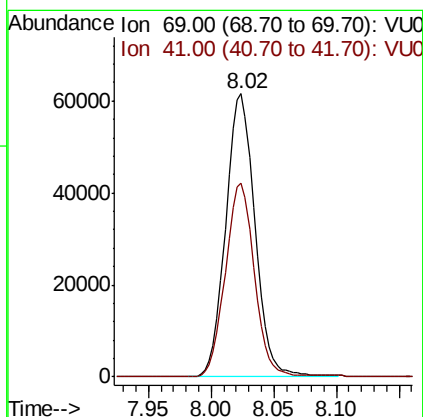
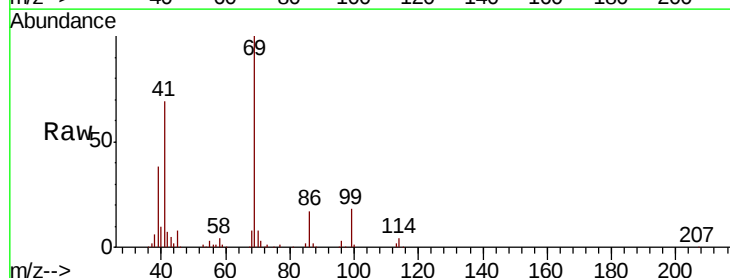
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

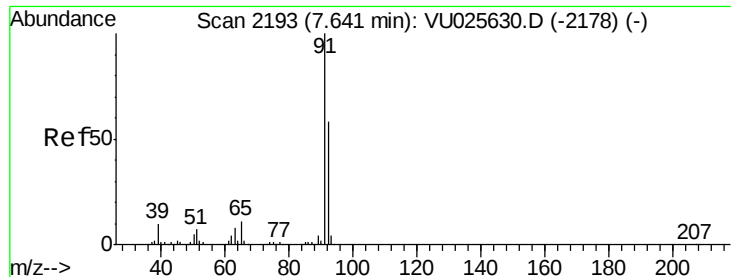
Tgt Ion: 69 Resp: 99961  
Ion Ratio Lower Upper  
69 100  
41 119.2 0.0 245.4  
39 67.3 49.0 73.4  
100 35.7 27.8 41.8



#48  
Ethyl methacrylate  
Concen: 11.173 ug/l  
RT: 8.02 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion: 69 Resp: 99808  
Ion Ratio Lower Upper  
69 100  
41 67.7 34.2 102.5





#49

Toluene

Concen: 11.846 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

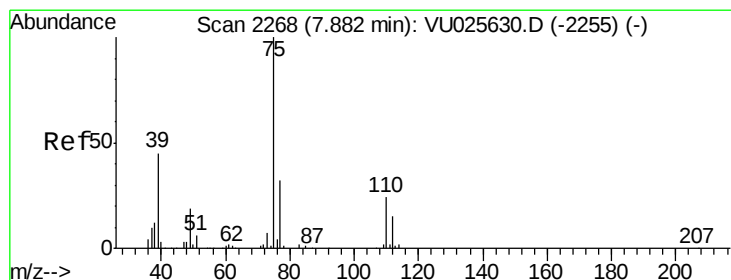
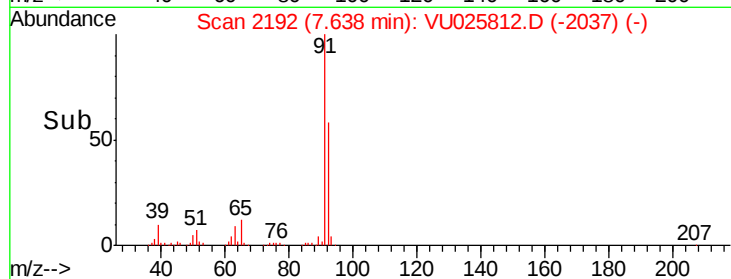
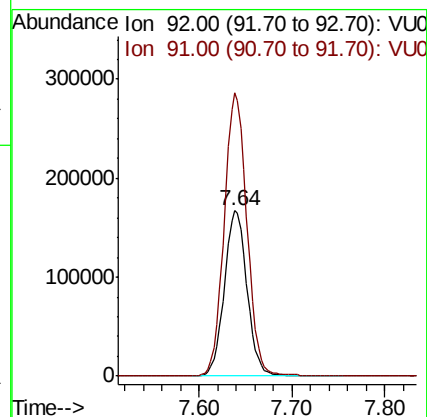
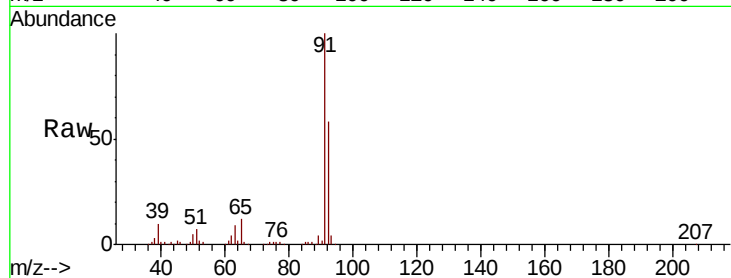
VSTDCCC010

Tgt Ion: 92 Resp: 284209

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 11.663 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025812.D

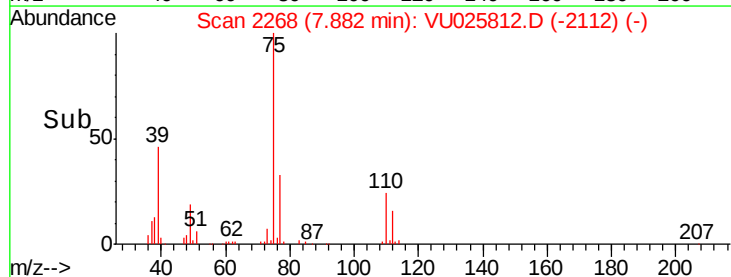
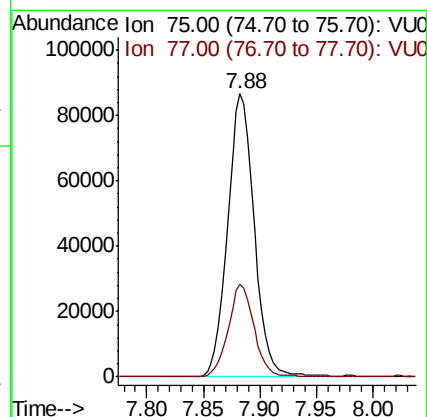
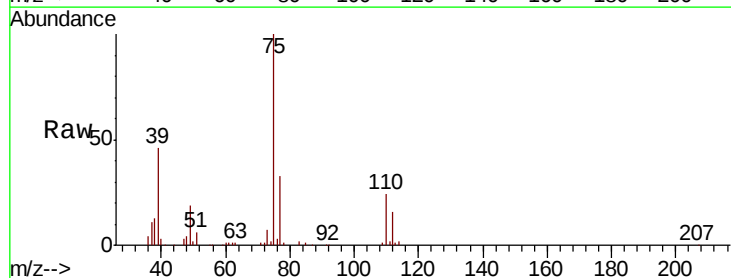
Acq: 03 Aug 2018 11:37

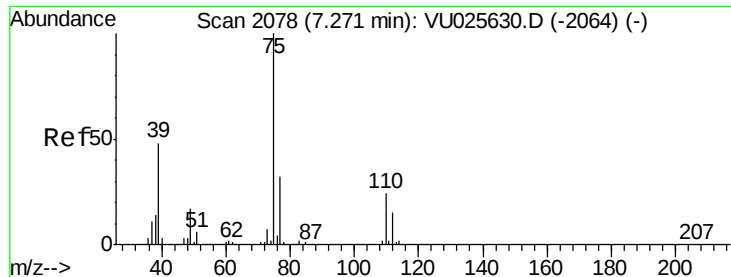
Tgt Ion: 75 Resp: 141873

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8





#51

cis-1,3-Dichloropropene

Concen: 11.662 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

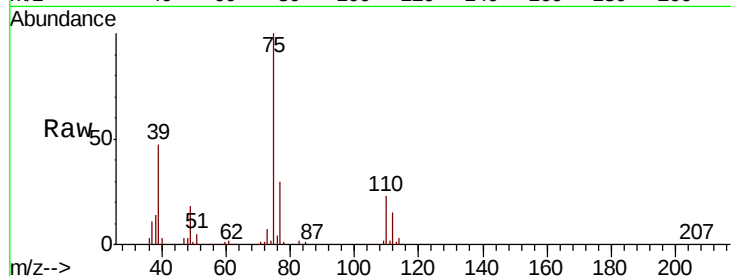
Tgt Ion: 75 Resp: 169946

Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

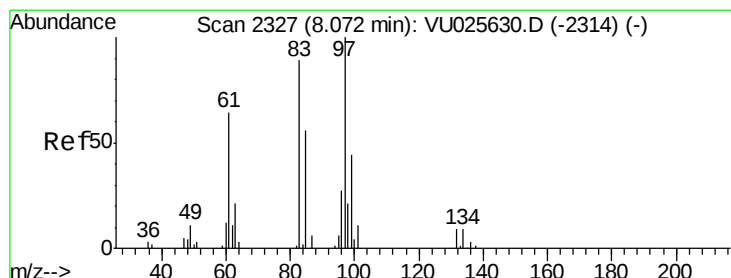
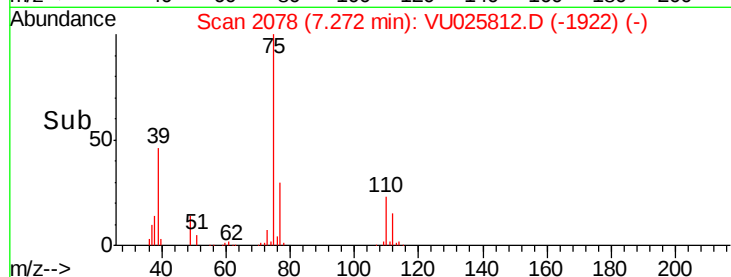
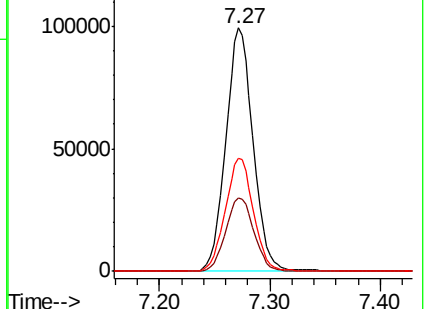
39 46.6 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane

Concen: 10.968 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Tgt Ion: 97 Resp: 78192

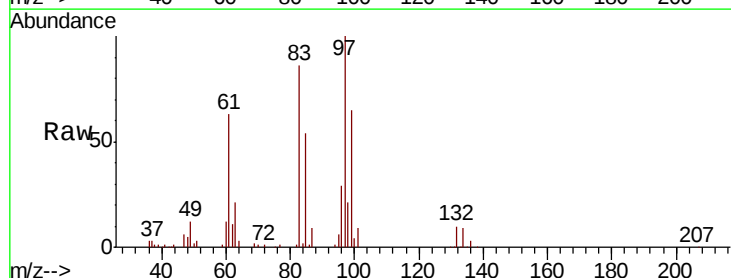
Ion Ratio Lower Upper

97 100

83 86.0 72.6 109.0

85 54.3 47.2 70.8

99 64.9 50.8 76.2

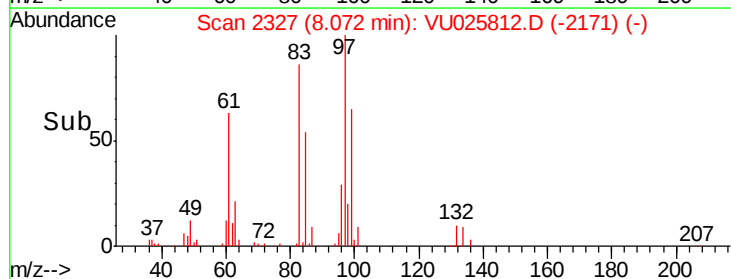
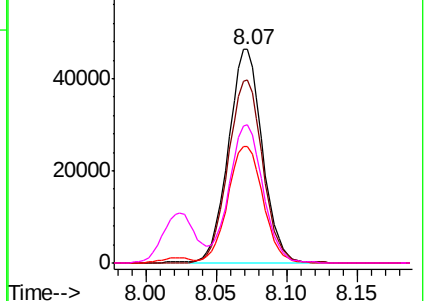


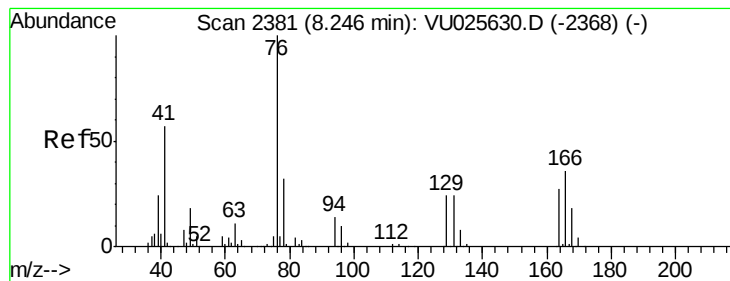
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 84.95 (84.65 to 85.65): VU0

Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 11.325 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

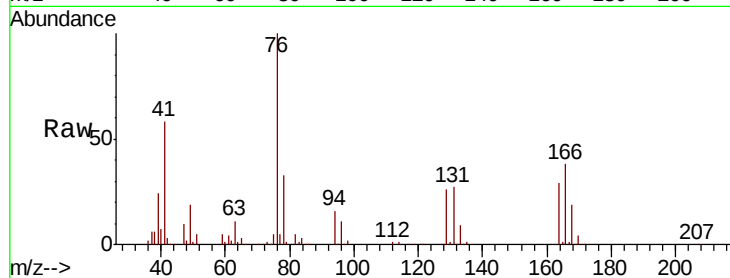
VSTDCCC010

Tgt Ion: 76 Resp: 136308

Ion Ratio Lower Upper

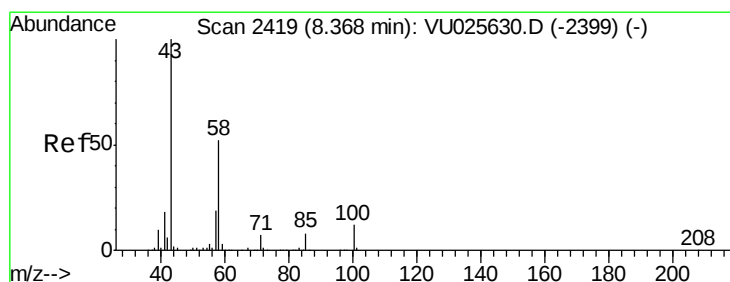
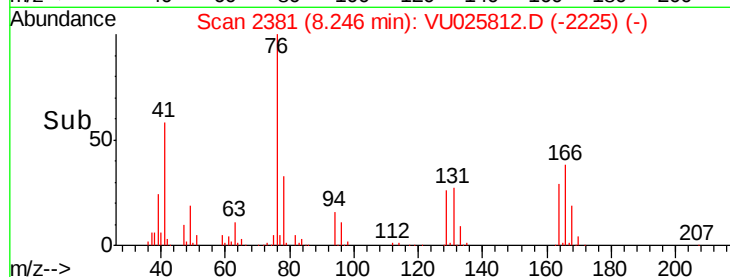
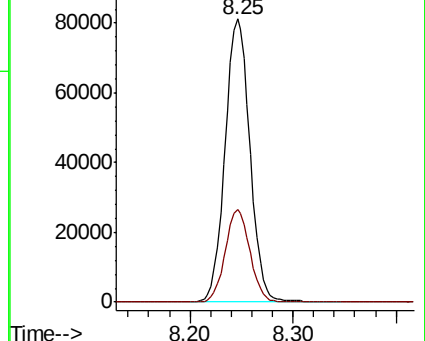
76 100

78 32.4 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 55.197 ug/l

RT: 8.37 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

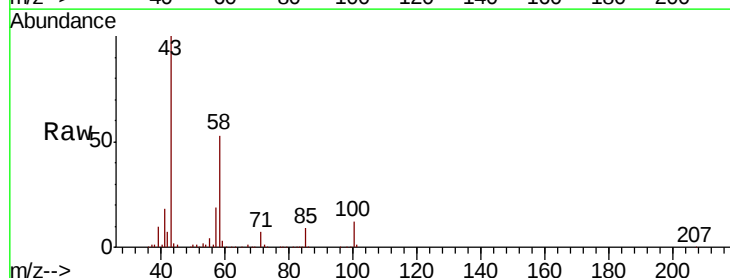
Tgt Ion: 43 Resp: 231173

Ion Ratio Lower Upper

43 100

58 52.0 32.5 72.5

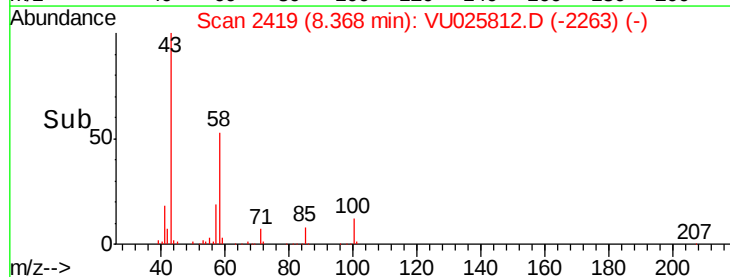
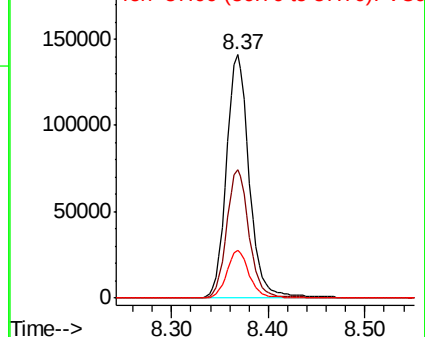
57 19.1 0.0 37.9

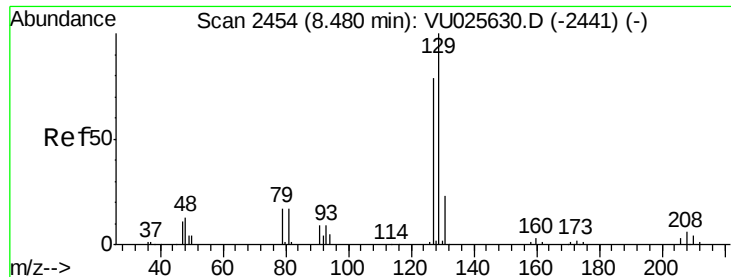


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 11.674 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

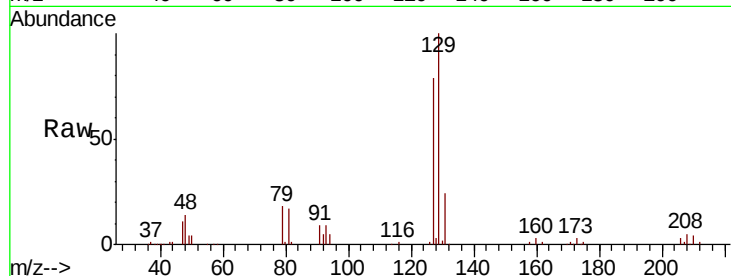
VSTDCCC010

Tgt Ion:129 Resp: 105818

Ion Ratio Lower Upper

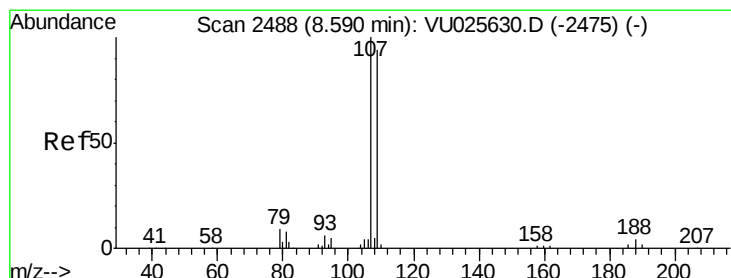
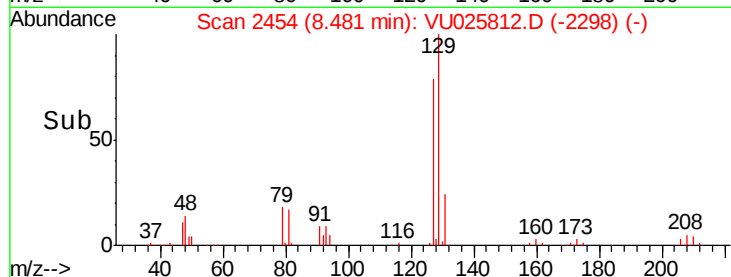
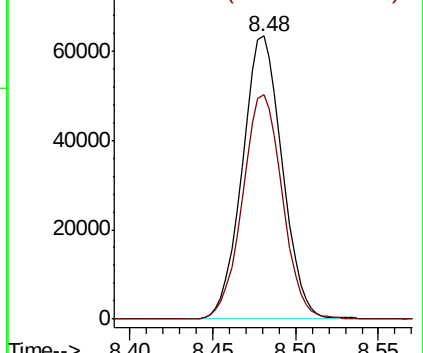
129 100

127 79.4 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 11.109 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025812.D

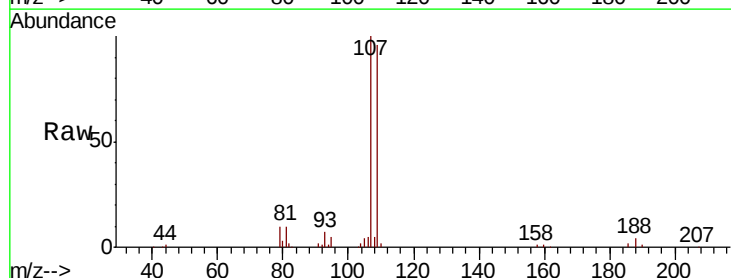
Acq: 03 Aug 2018 11:37

Tgt Ion:107 Resp: 76638

Ion Ratio Lower Upper

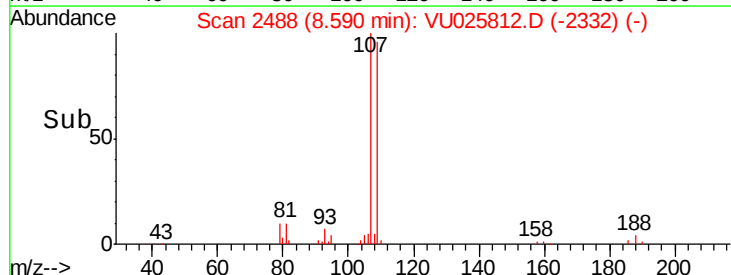
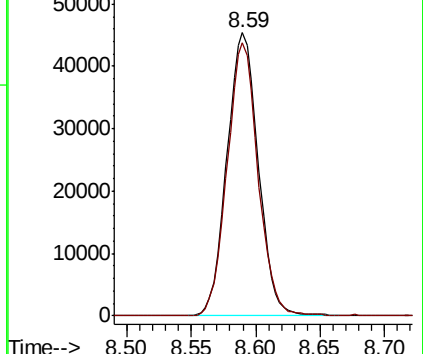
107 100

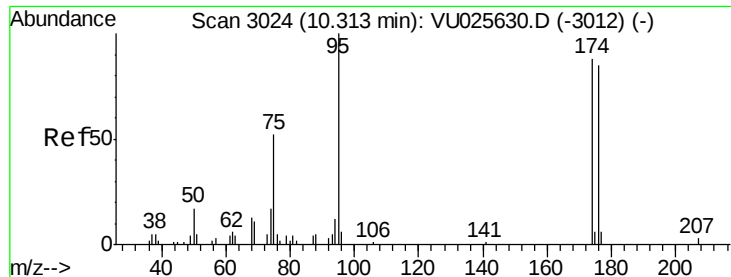
109 95.0 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 11.109 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

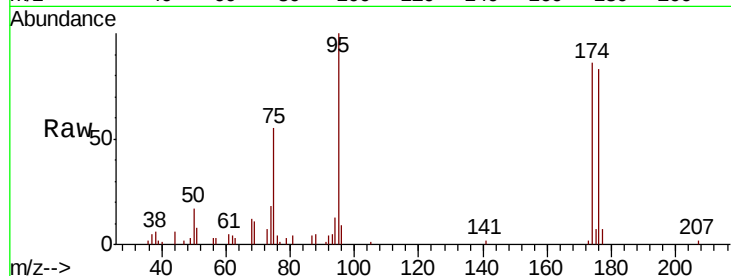
Tgt Ion: 95 Resp: 13843

Ion Ratio Lower Upper

95 100

174 90.1 65.6 98.4

176 87.7 62.0 93.0

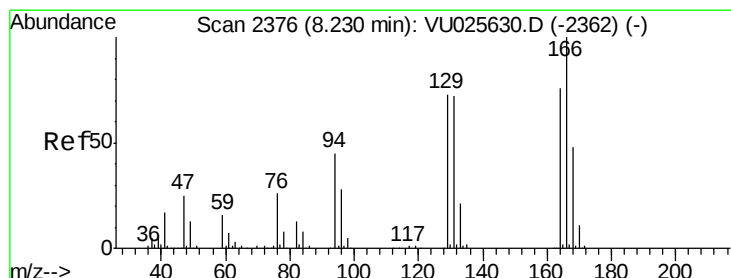
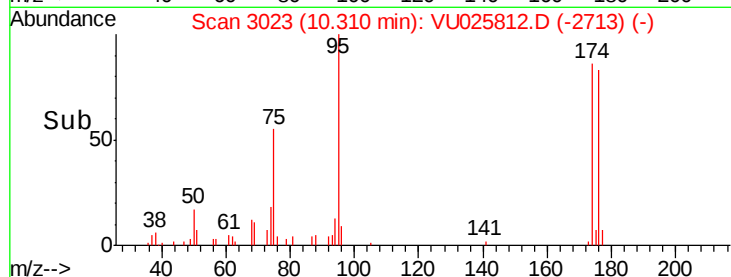
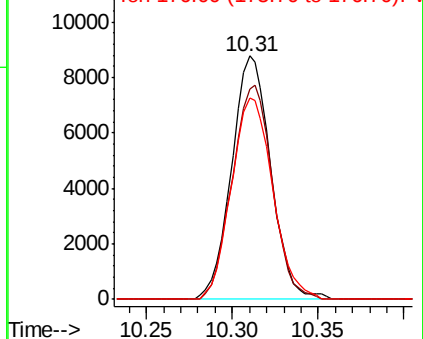


Abundance

Ion 95.00 (94.70 to 95.70): VU025630.D (-3012) (-)

Ion 174.00 (173.70 to 174.70): VU025630.D (-3012) (-)

Ion 176.00 (175.70 to 176.70): VU025630.D (-3012) (-)



#58

Tetrachloroethene

Concen: 12.142 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Tgt Ion: 164 Resp: 126205

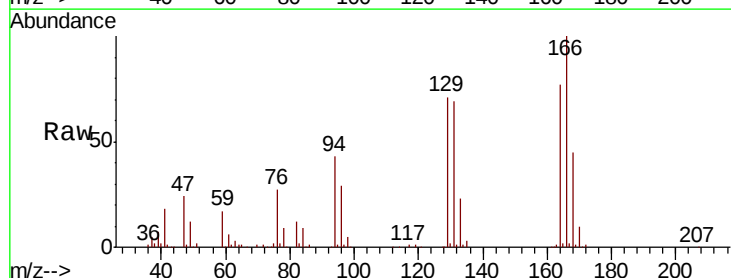
Ion Ratio Lower Upper

164 100

166 130.0 104.1 156.1

129 92.9 76.8 115.2

131 89.1 72.6 108.8



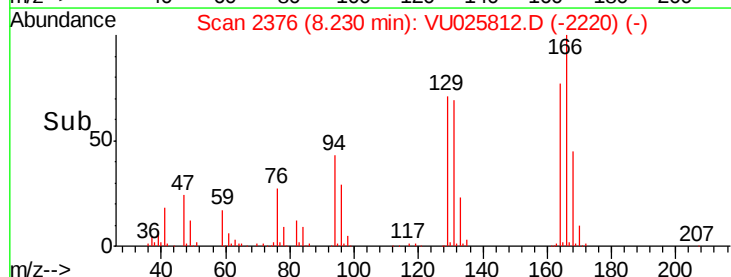
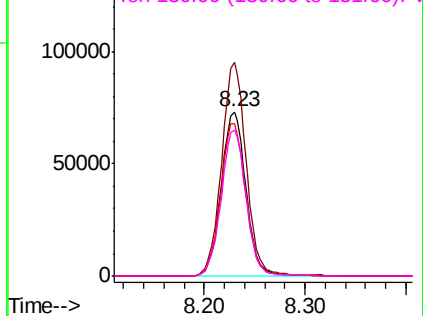
Abundance

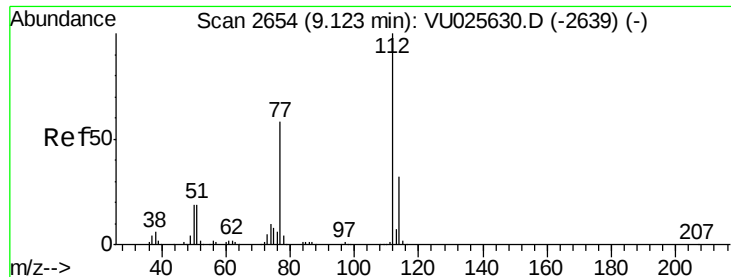
Ion 163.85 (163.55 to 164.55): VU025630.D (-2362) (-)

Ion 165.80 (165.50 to 166.50): VU025630.D (-2362) (-)

Ion 128.90 (128.60 to 129.60): VU025630.D (-2362) (-)

Ion 130.90 (130.60 to 131.60): VU025630.D (-2362) (-)





#59

Chlorobenzene

Concen: 11.543 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

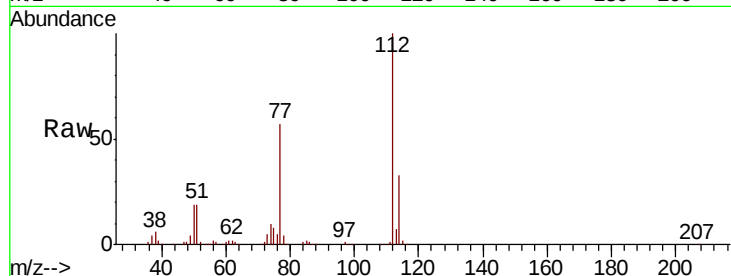
VSTDCCC010

Tgt Ion:112 Resp: 318438

Ion Ratio Lower Upper

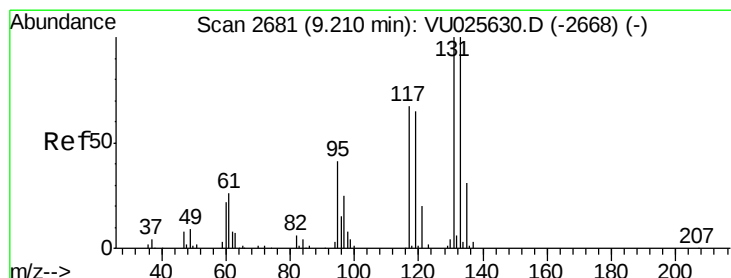
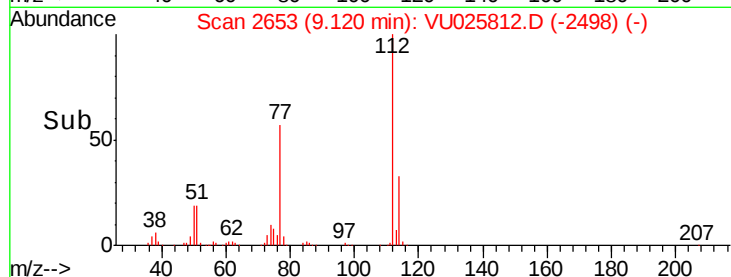
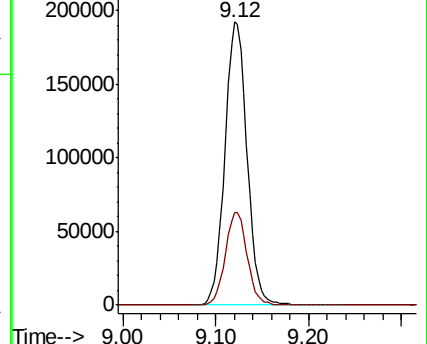
112 100

114 32.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 11.572 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

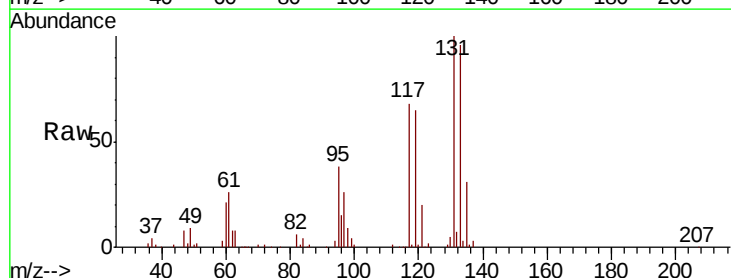
Tgt Ion:131 Resp: 118547

Ion Ratio Lower Upper

131 100

133 94.7 75.8 113.8

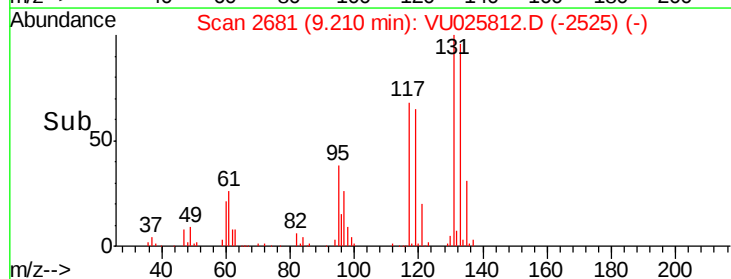
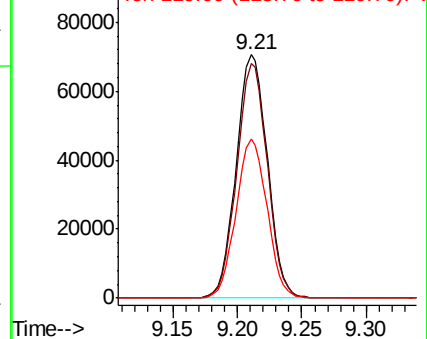
119 64.9 53.0 79.6

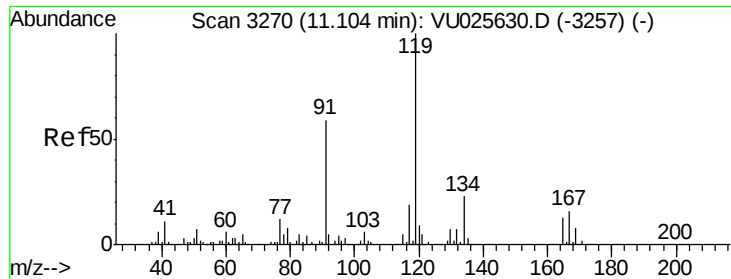


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

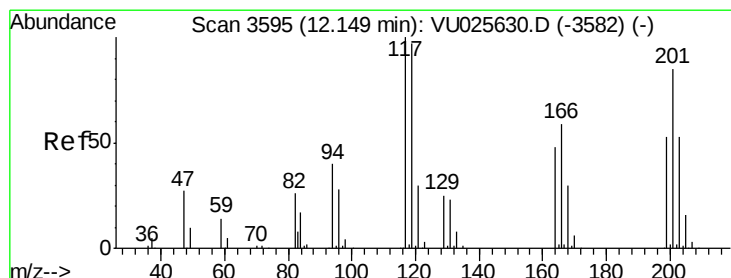
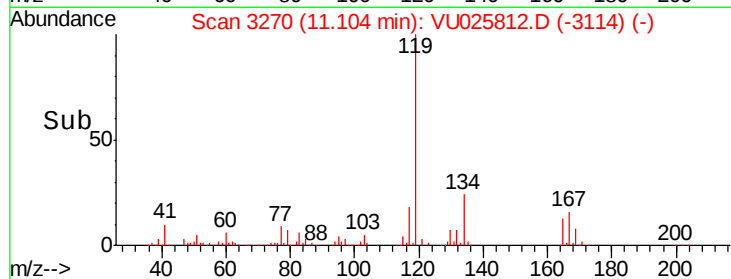
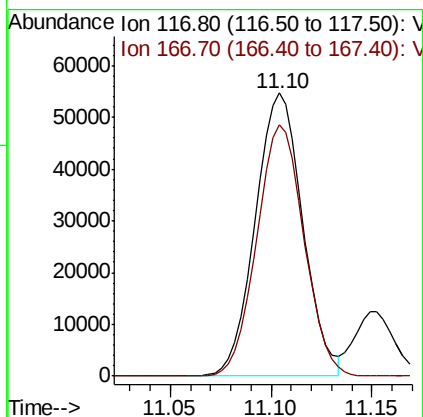
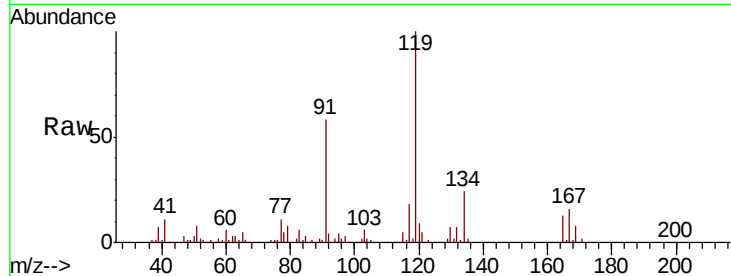




#61  
 Pentachloroethane  
 Concen: 11.464 ug/l  
 RT: 11.10 min Scan# 3270  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

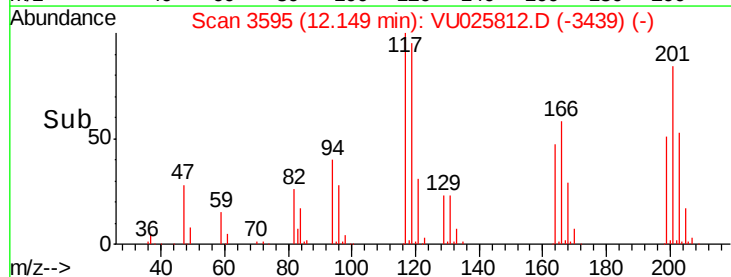
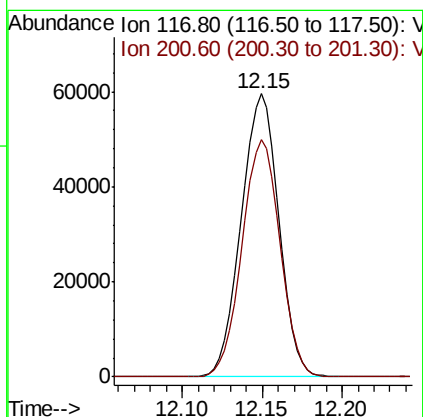
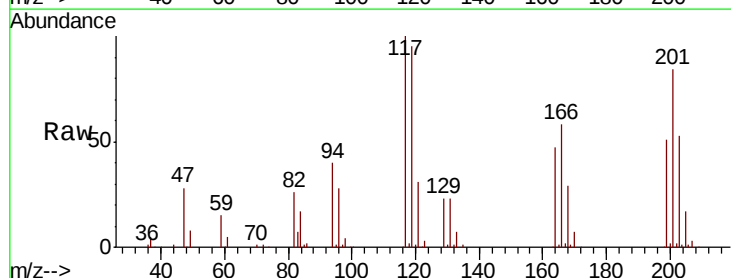
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

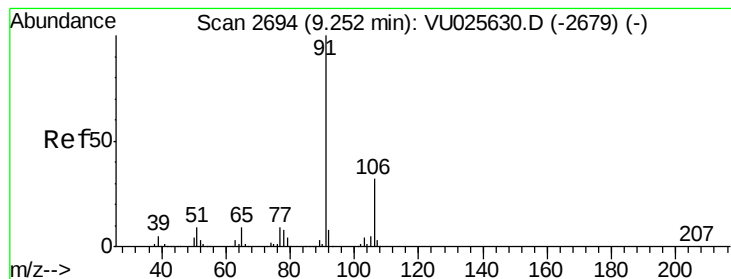
Tgt Ion:117 Resp: 89628  
 Ion Ratio Lower Upper  
 117 100  
 167 88.2 69.2 103.8



#62  
 Hexachloroethane  
 Concen: 11.940 ug/l  
 RT: 12.15 min Scan# 3595  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion:117 Resp: 95324  
 Ion Ratio Lower Upper  
 117 100  
 201 84.8 68.7 103.1





#63

Ethyl Benzene

Concen: 11.999 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

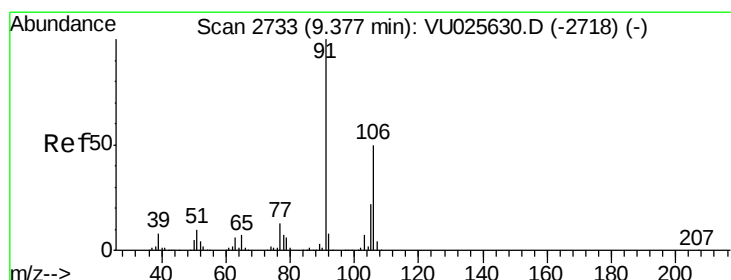
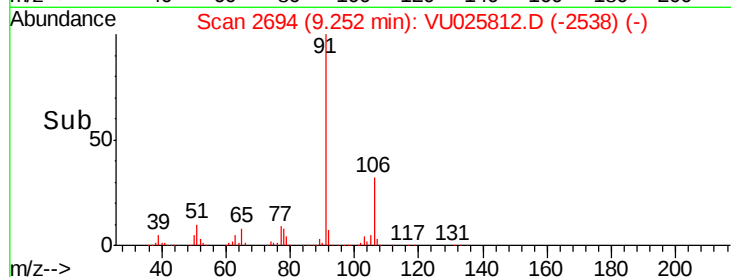
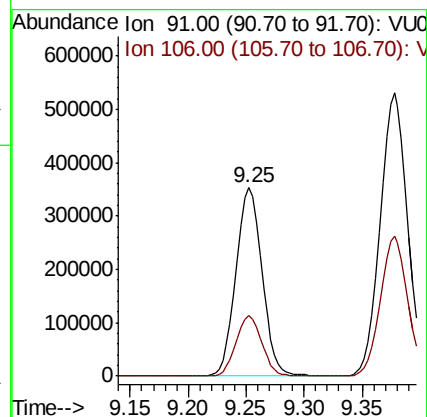
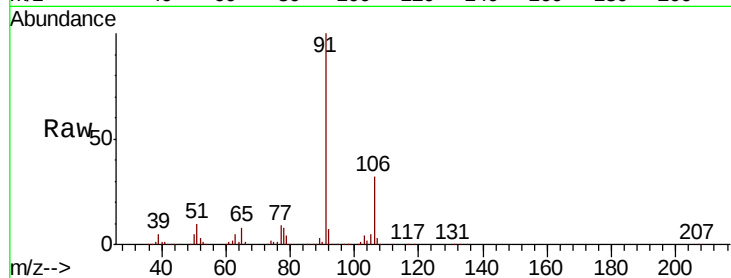
VSTDCCC010

Tgt Ion: 91 Resp: 550682

Ion Ratio Lower Upper

91 100

106 31.9 24.7 37.1



#64

m/p-Xylenes

Concen: 24.112 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025812.D

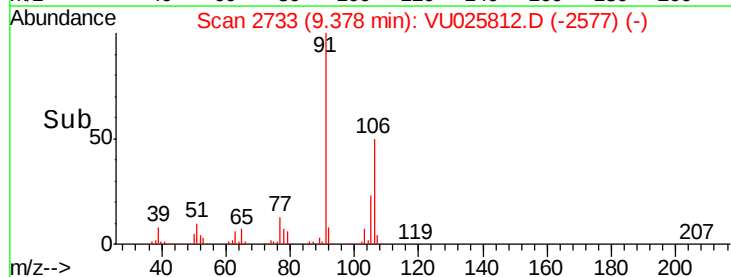
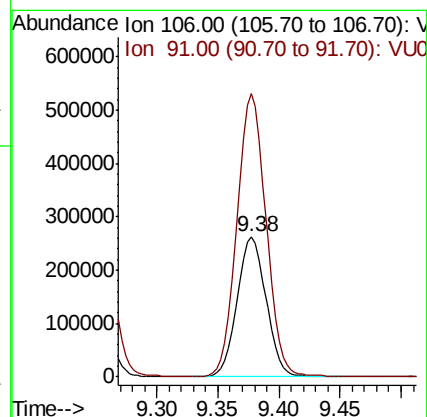
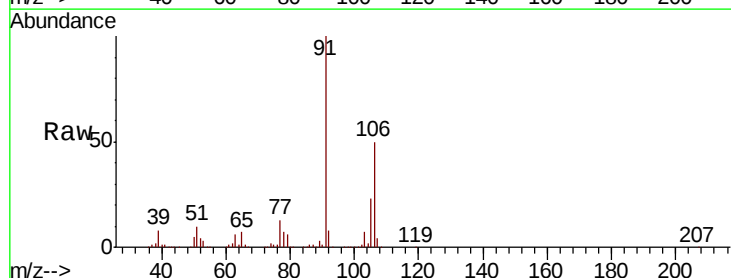
Acq: 03 Aug 2018 11:37

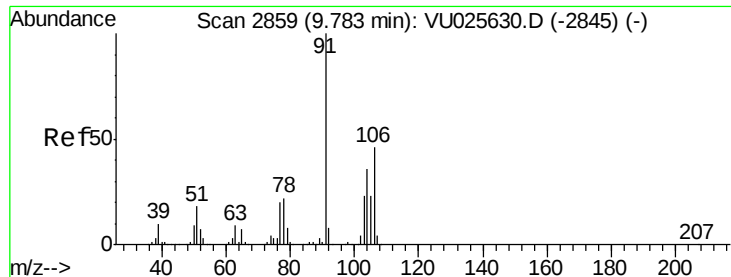
Tgt Ion: 106 Resp: 434927

Ion Ratio Lower Upper

106 100

91 202.7 164.1 246.1

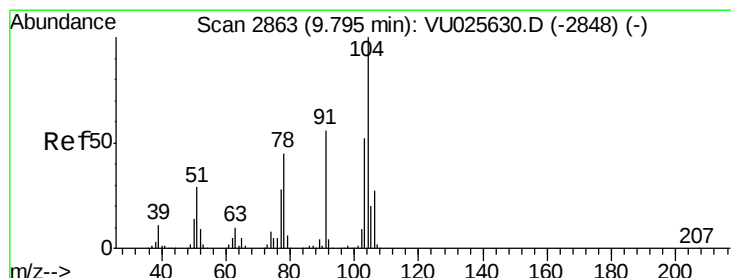
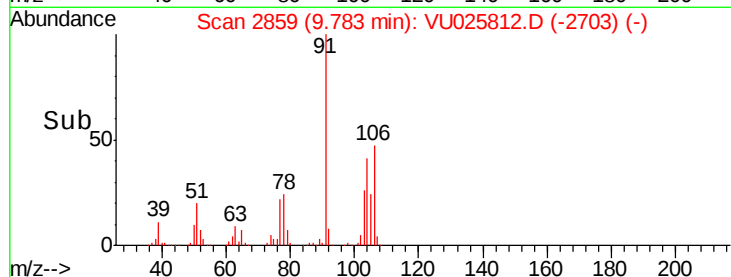
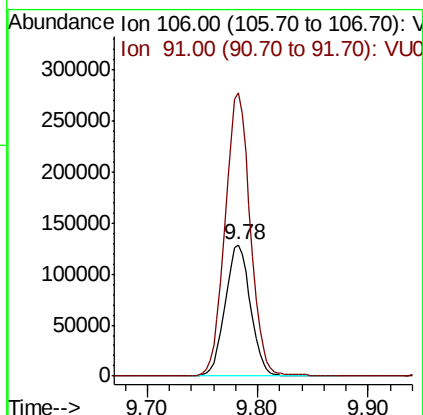
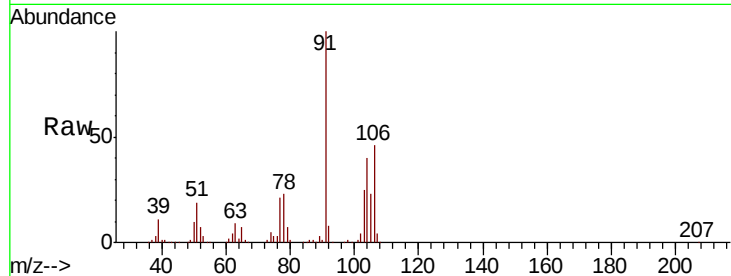




#65  
o-Xylene  
Concen: 11.963 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

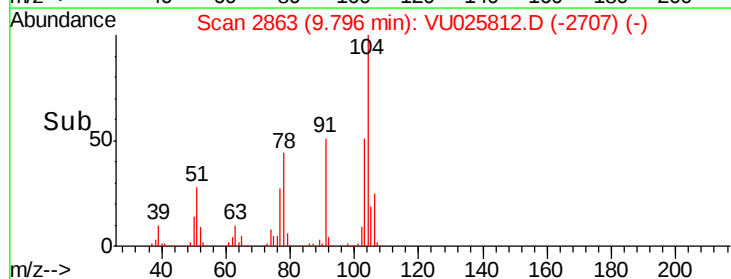
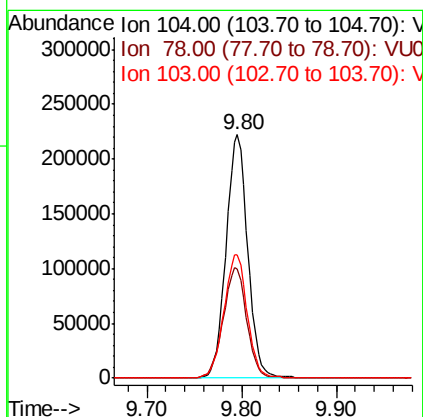
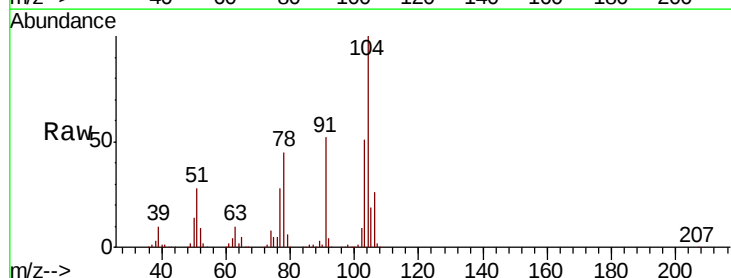
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

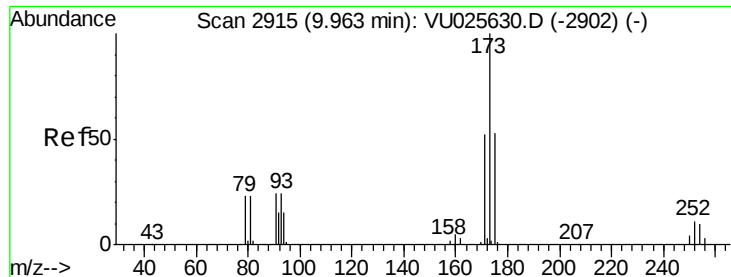
Tgt Ion:106 Resp: 205639  
Ion Ratio Lower Upper  
106 100  
91 214.8 107.9 323.7



#66  
Styrene  
Concen: 12.143 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion:104 Resp: 354503  
Ion Ratio Lower Upper  
104 100  
78 49.1 40.2 60.2  
103 54.4 44.2 66.4

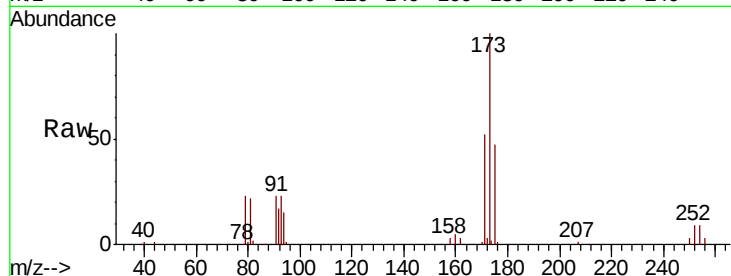




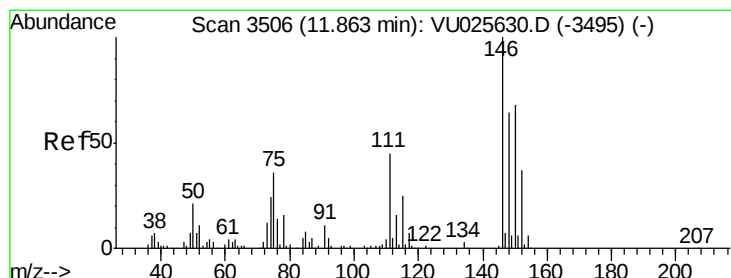
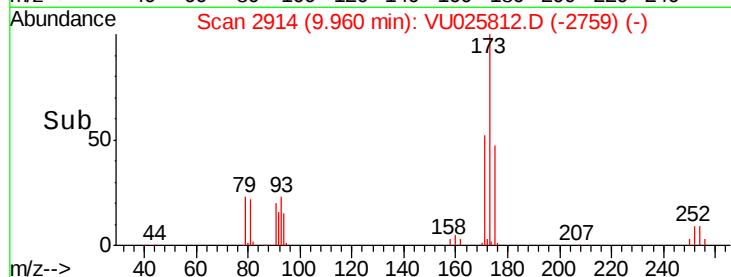
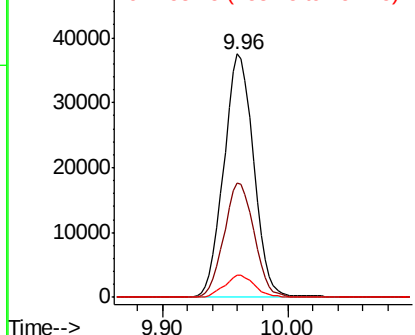
#67  
Bromoform  
Concen: 11.611 ug/l  
RT: 9.96 min Scan# 2914  
Delta R.T. -0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:173 Resp: 62093  
Ion Ratio Lower Upper  
173 100  
175 47.4 38.6 57.8  
254 9.1 8.8 13.2

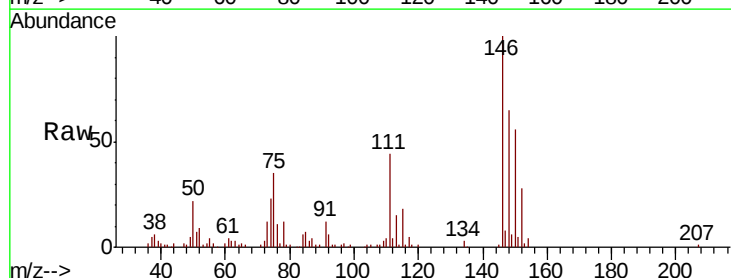


Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V

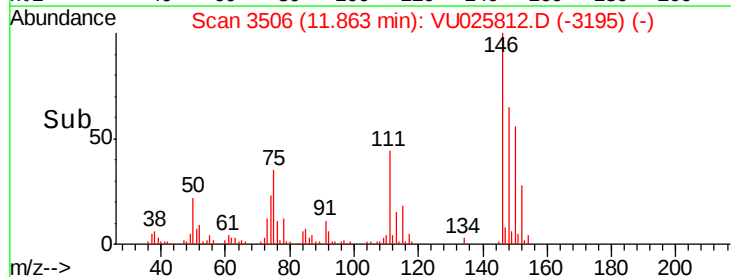
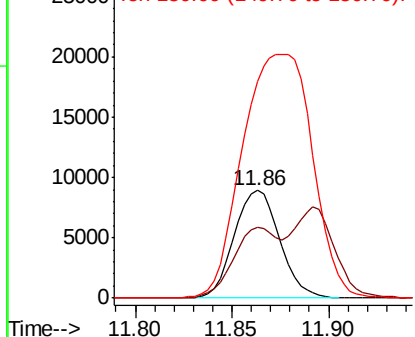


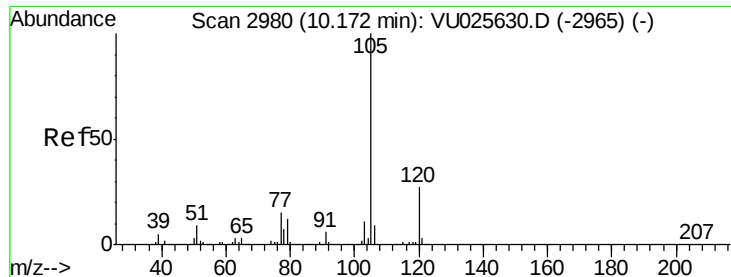
#68  
1,2-Dichlorobenzene-d4  
Concen: 11.611 ug/l  
RT: 11.86 min Scan# 3506  
Delta R.T. 0.00 min  
Lab File: VU025812.D  
Acq: 03 Aug 2018 11:37

Tgt Ion:152 Resp: 14574  
Ion Ratio Lower Upper  
152 100  
115 65.3 0.0 118.8  
150 348.6 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 12.030 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

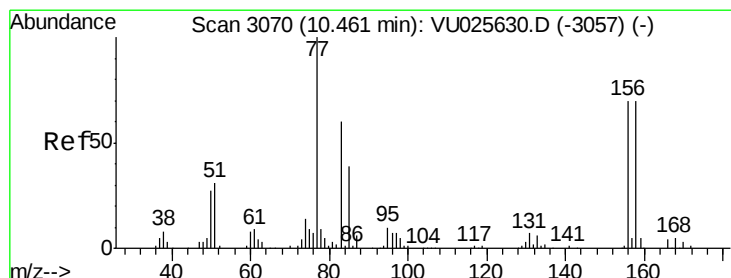
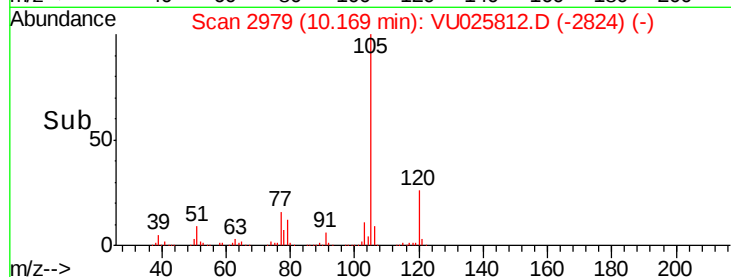
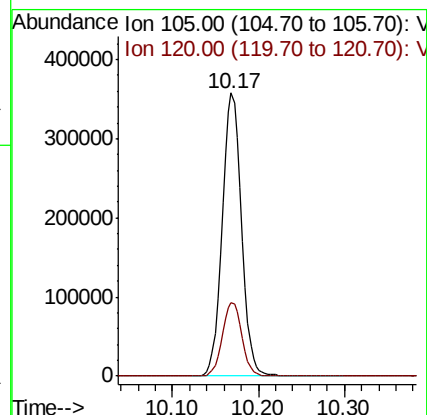
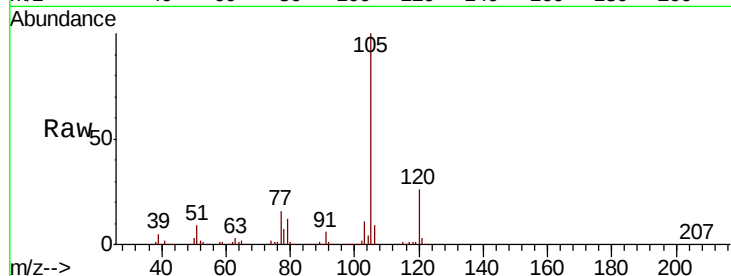
VSTDCCC010

Tgt Ion:105 Resp: 558783

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 10.764 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

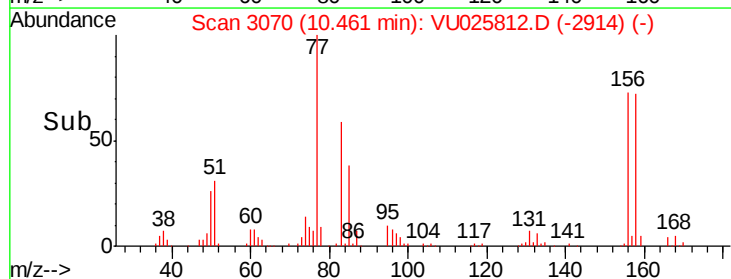
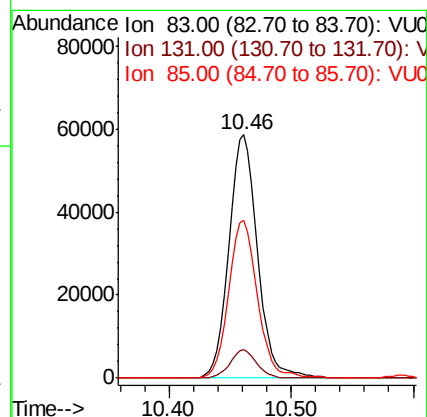
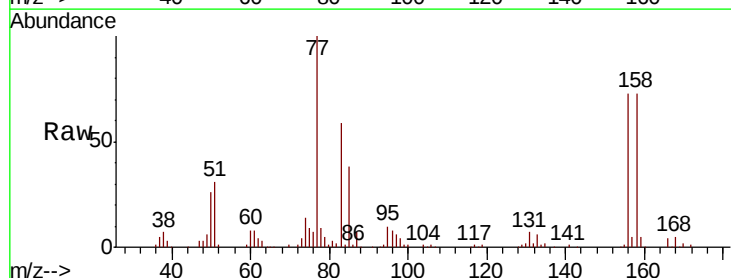
Tgt Ion: 83 Resp: 96415

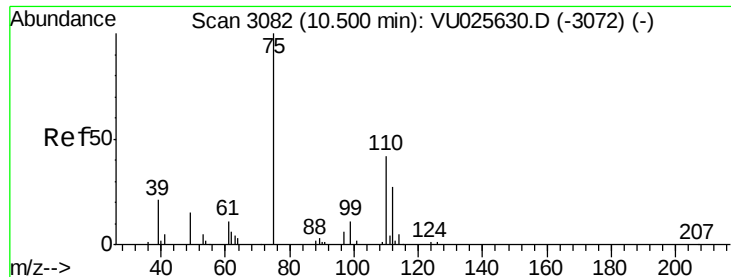
Ion Ratio Lower Upper

83 100

131 10.8 7.9 11.9

85 65.4 51.8 77.6

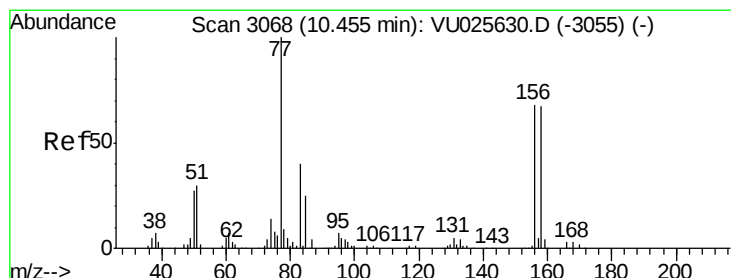
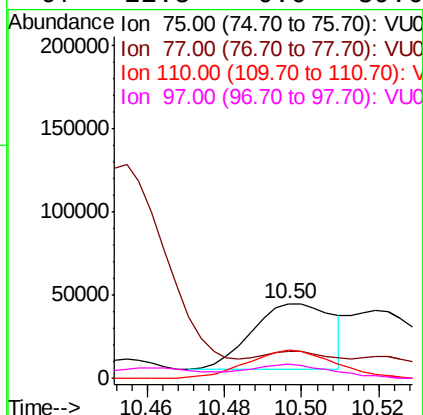
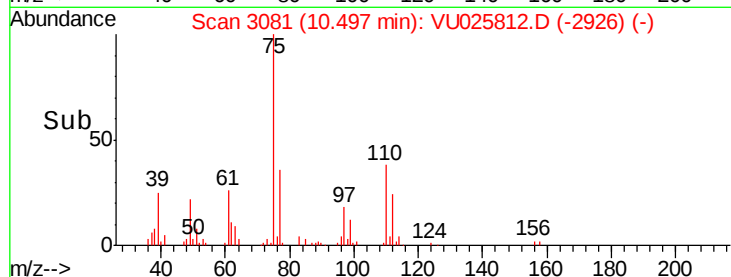
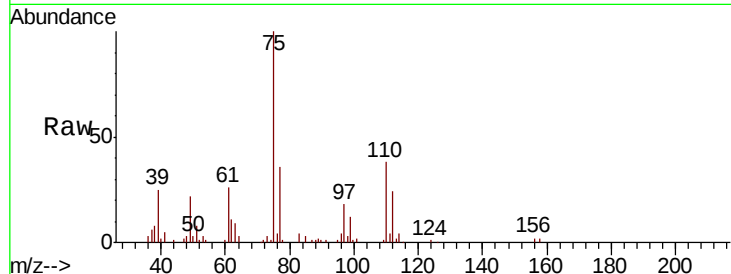




#71  
 1,2,3-Trichloropropane  
 Concen: 8.315 ug/l  
 RT: 10.50 min Scan# 3081  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

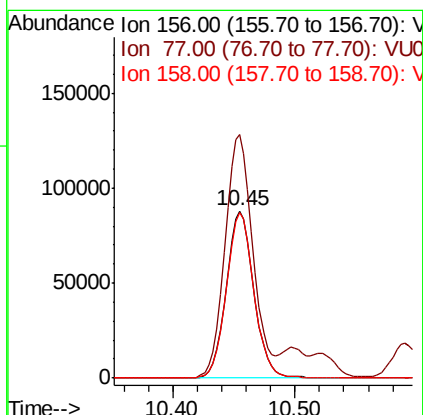
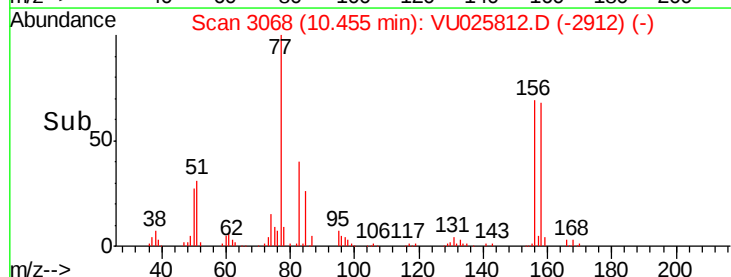
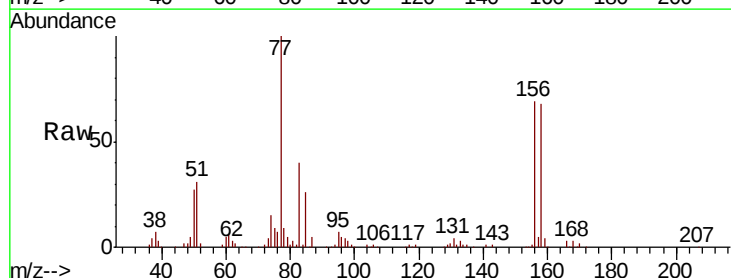
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

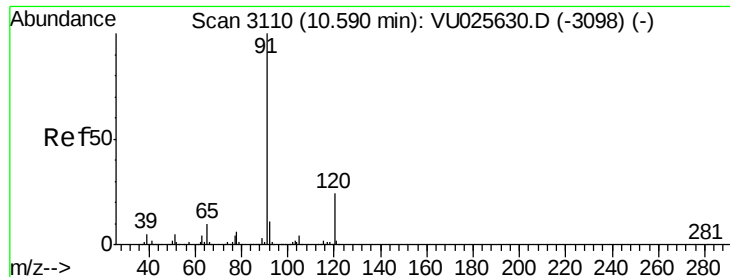
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 58048 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |
| 110      | 45.7  | 0.0   | 74.0  |
| 97       | 22.5  | 0.0   | 39.6  |



#72  
 Bromobenzene  
 Concen: 11.534 ug/l  
 RT: 10.45 min Scan# 3068  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 156   | Resp: | 139086 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 148.1 | 0.0   | 309.8  |
| 158      | 99.3  | 0.0   | 193.0  |





#73

n-propylbenzene

Concen: 12.281 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

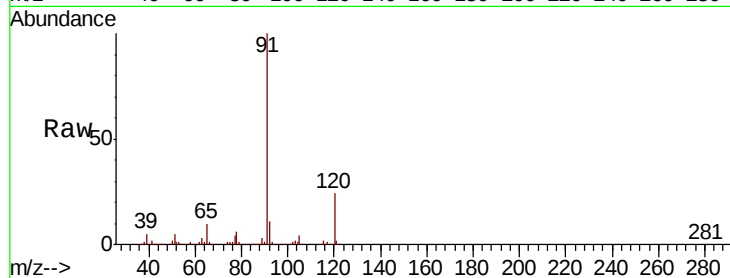
VSTDCCC010

Tgt Ion:120 Resp: 160732

Ion Ratio Lower Upper

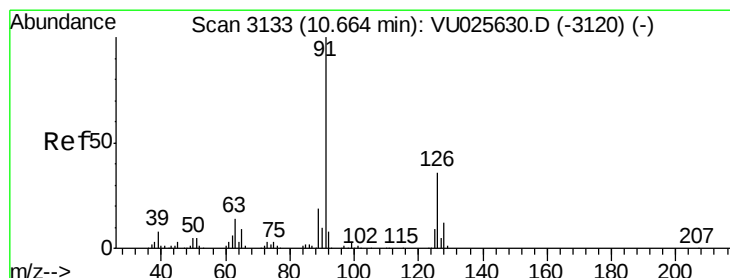
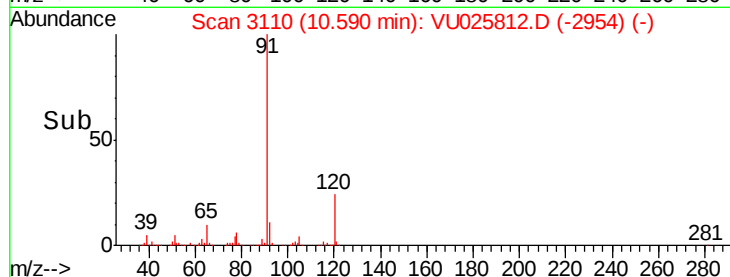
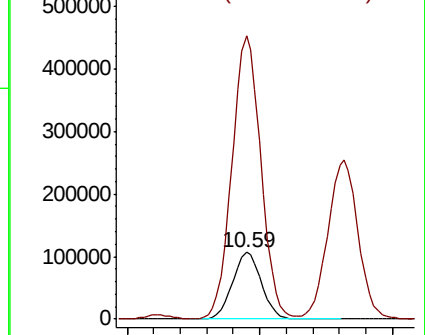
120 100

91 424.9 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 12.187 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025812.D

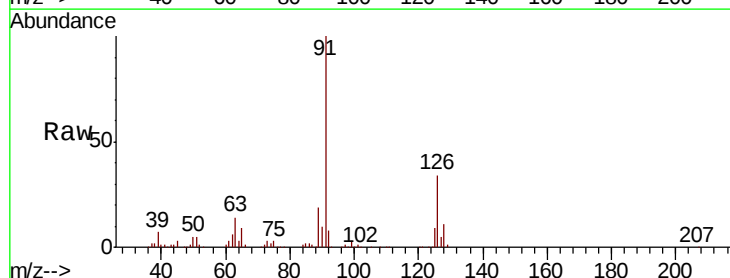
Acq: 03 Aug 2018 11:37

Tgt Ion:126 Resp: 140417

Ion Ratio Lower Upper

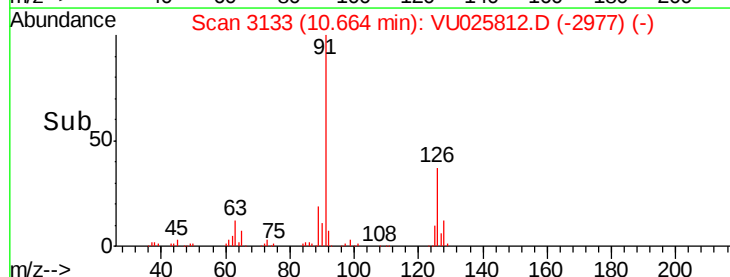
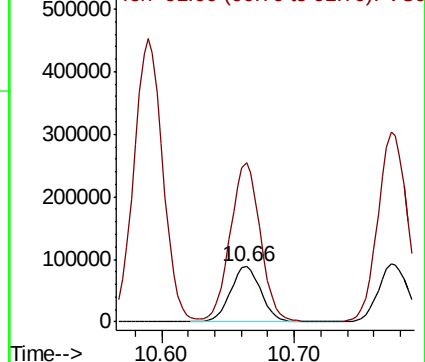
126 100

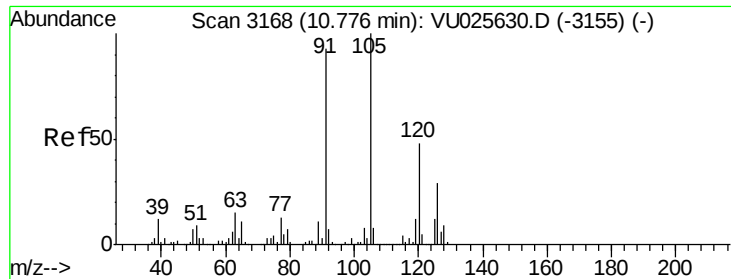
91 283.3 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 12.161 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

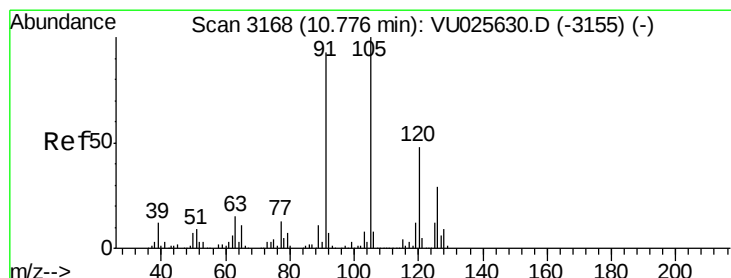
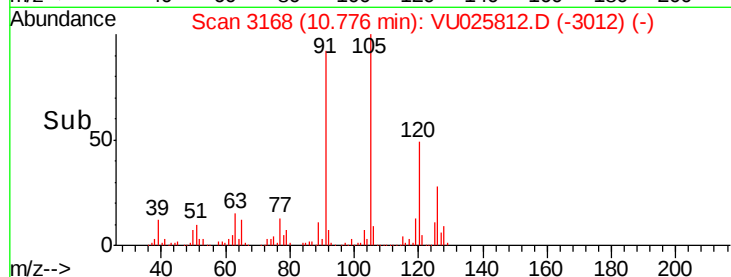
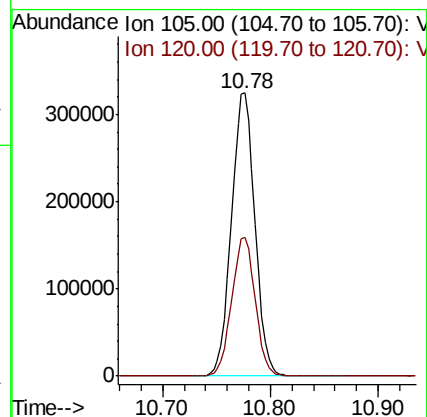
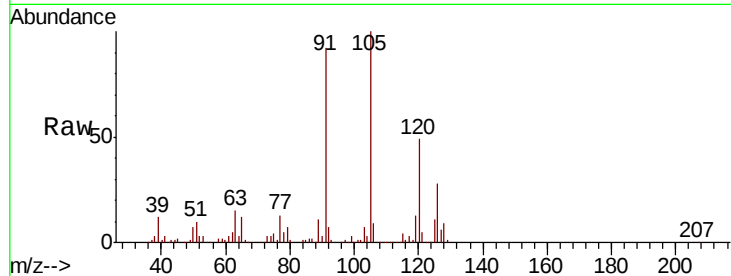
VSTDCCC010

Tgt Ion:105 Resp: 493195

Ion Ratio Lower Upper

105 100

120 49.2 39.0 58.6



#76

4-Chlorotoluene

Concen: 12.034 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025812.D

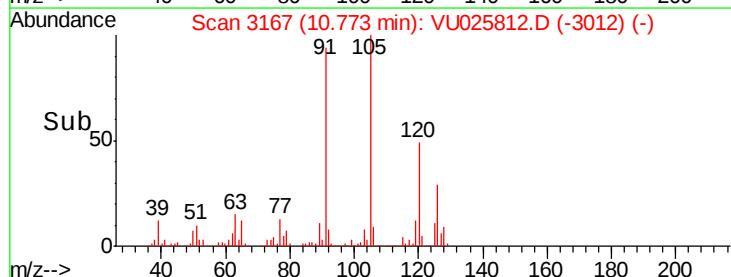
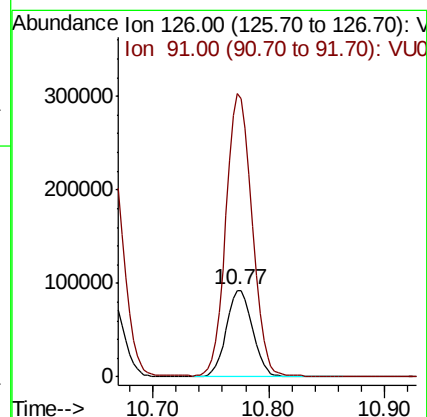
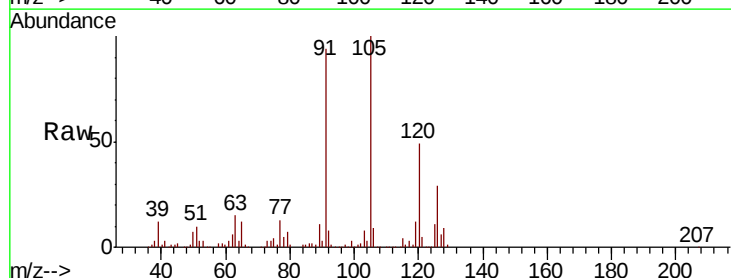
Acq: 03 Aug 2018 11:37

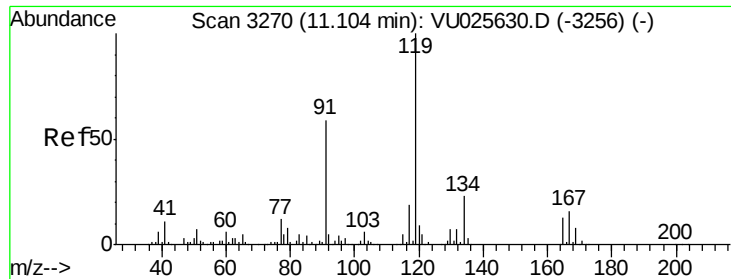
Tgt Ion:126 Resp: 145743

Ion Ratio Lower Upper

126 100

91 326.5 0.0 667.2

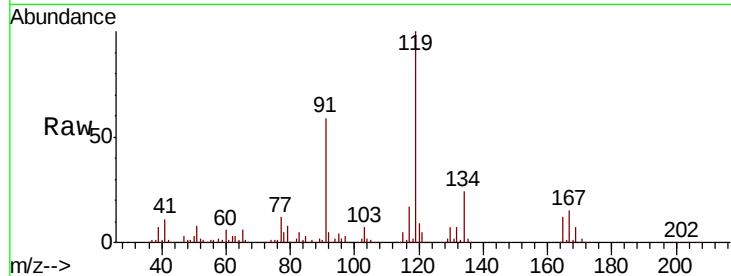




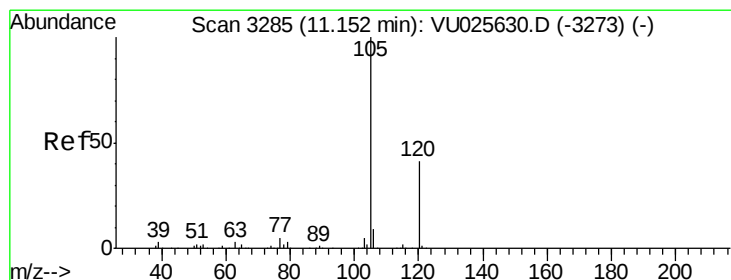
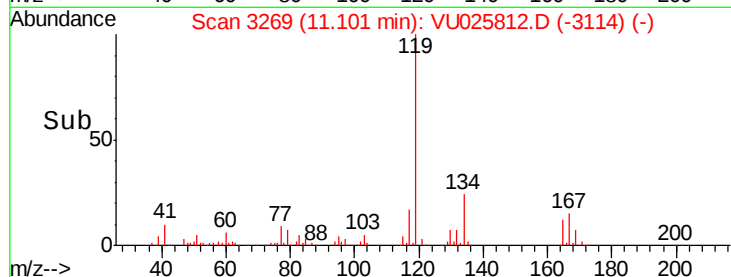
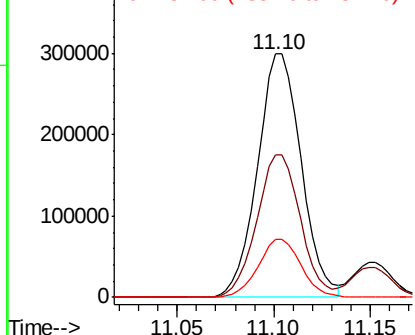
#77  
 tert-Butylbenzene  
 Concen: 11.834 ug/l  
 RT: 11.10 min Scan# 3269  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 58.1  | 29.6  | 88.8  |
| 134     | 23.4  | 19.1  | 28.7  |

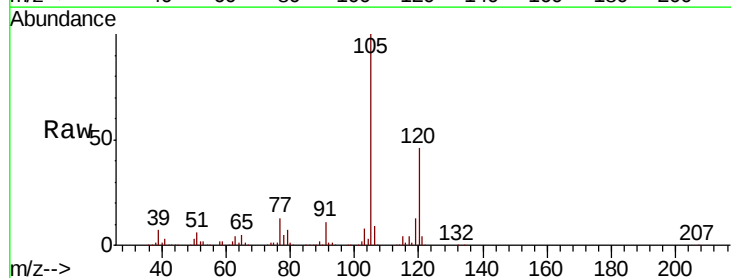


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VU0  
 Ion 134.00 (133.70 to 134.70): V

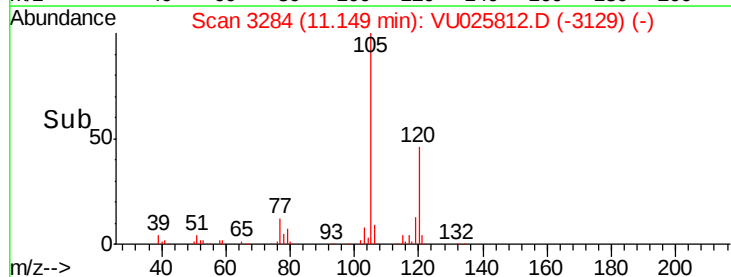
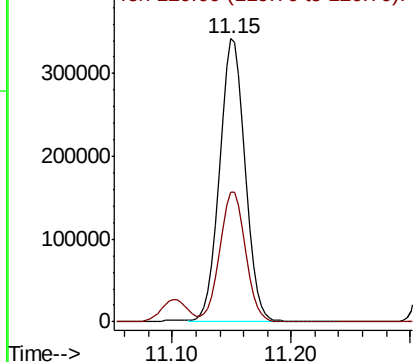


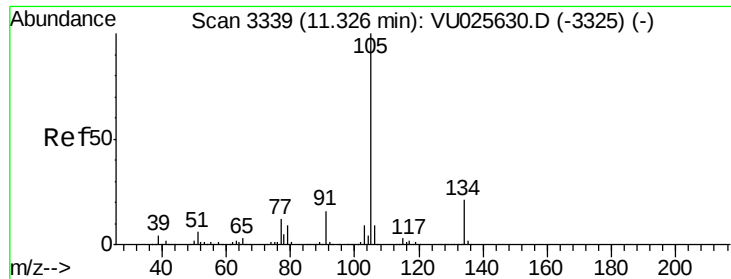
#78  
 1,2,4-Trimethylbenzene  
 Concen: 12.282 ug/l  
 RT: 11.15 min Scan# 3284  
 Delta R.T. -0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 23.1  | 69.3  |



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

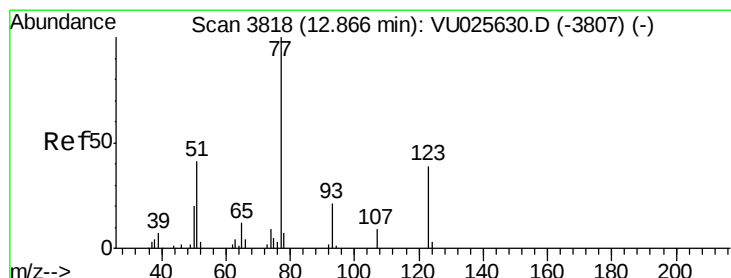
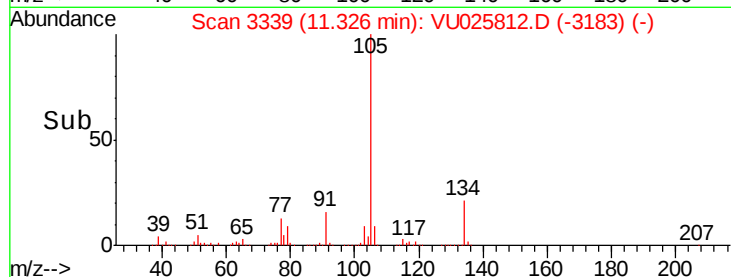
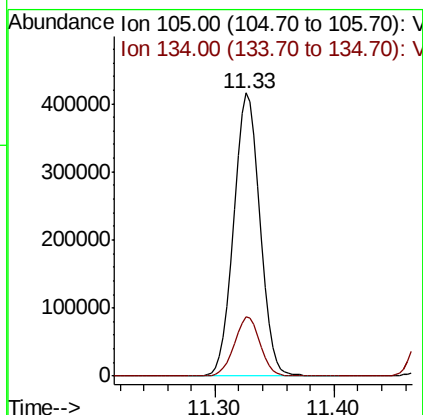
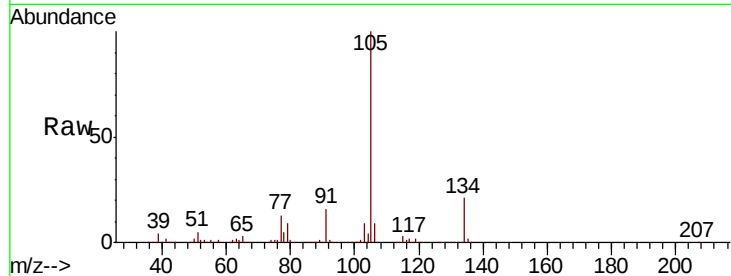




#79  
 sec-Butylbenzene  
 Concen: 12.074 ug/l  
 RT: 11.33 min Scan# 3339  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

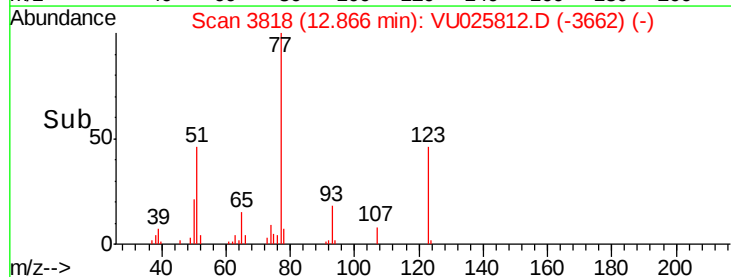
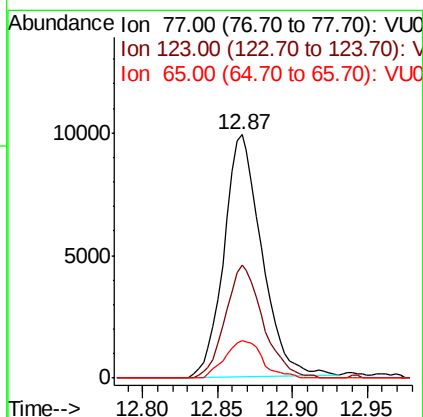
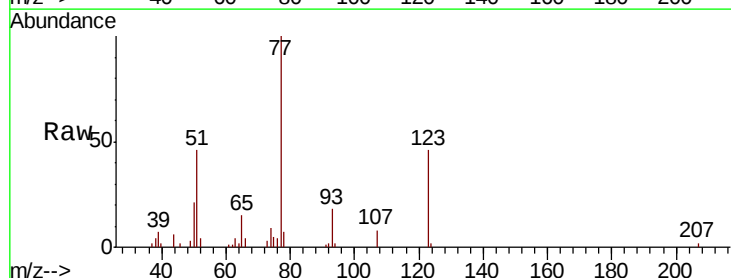
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

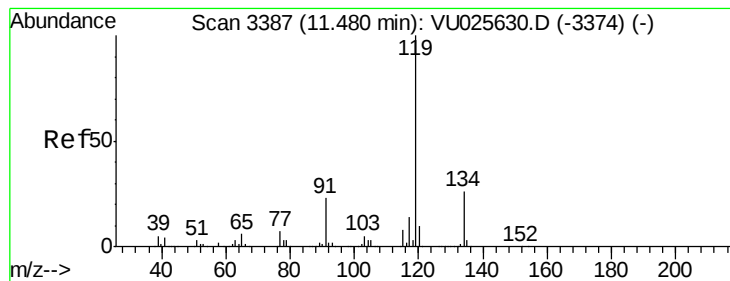
Tgt Ion: 105 Resp: 634527  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 15.6 23.4



#80  
 Nitrobenzene  
 Concen: 63.514 ug/l  
 RT: 12.87 min Scan# 3818  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 77 Resp: 17318  
 Ion Ratio Lower Upper  
 77 100  
 123 46.4 19.4 68.6  
 65 15.3 11.2 14.2#





#81

p-Isopropyltoluene

Concen: 12.357 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

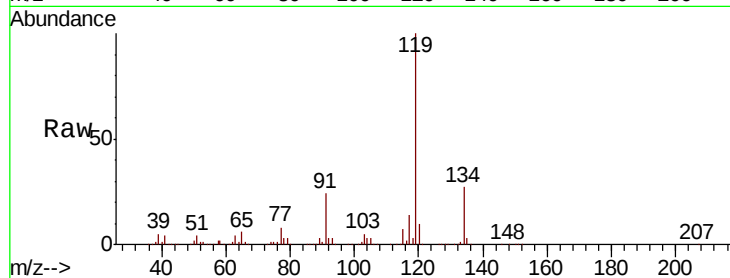
Tgt Ion:119 Resp: 550605

Ion Ratio Lower Upper

119 100

134 26.7 20.9 31.3

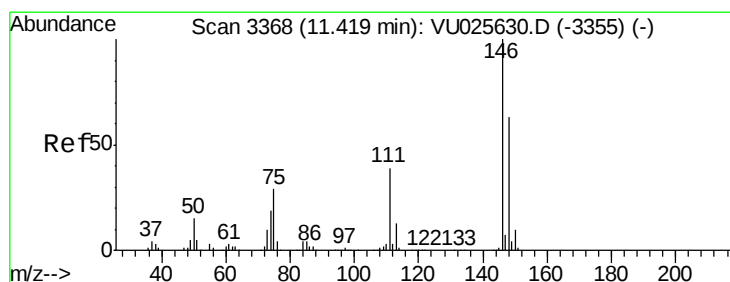
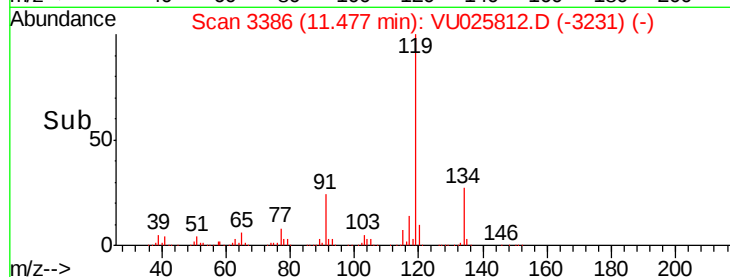
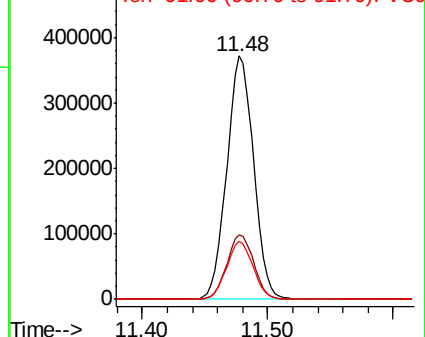
91 23.8 18.2 27.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 11.786 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

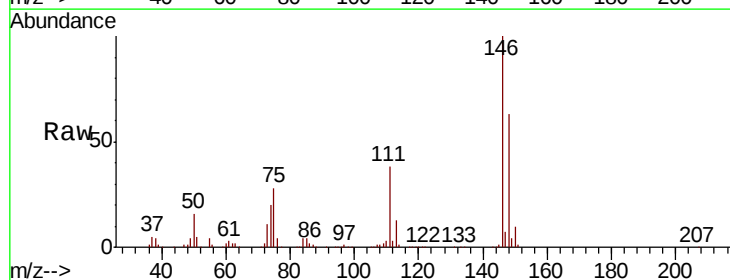
Tgt Ion:146 Resp: 292353

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

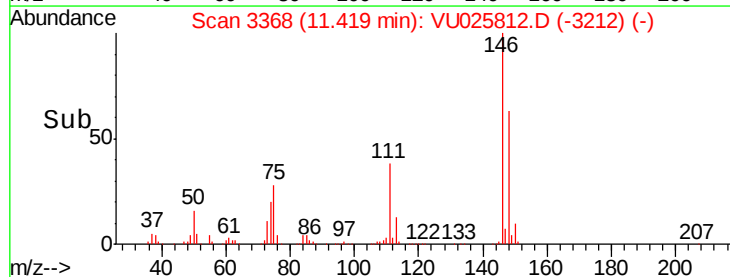
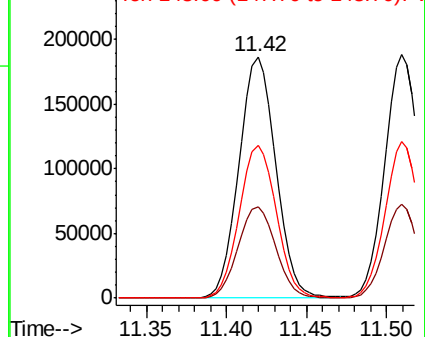
148 63.9 51.0 76.4

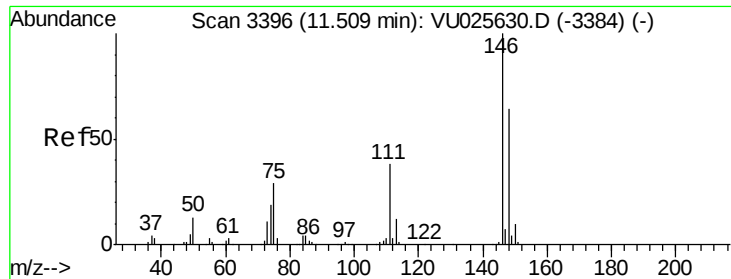


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 12.097 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

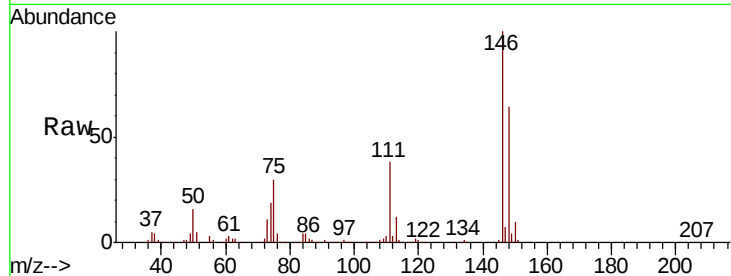
Tgt Ion:146 Resp: 292605

Ion Ratio Lower Upper

146 100

111 37.7 30.1 45.1

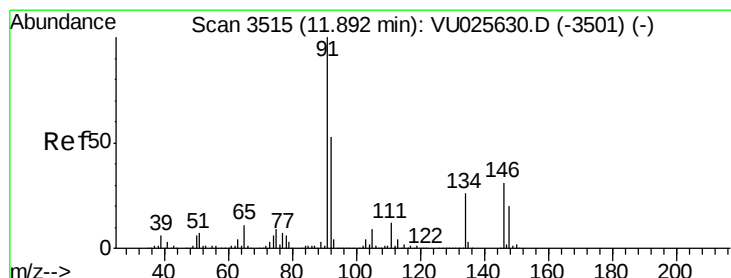
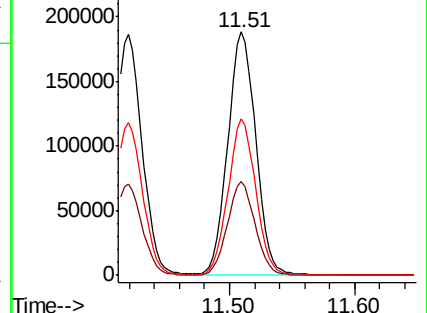
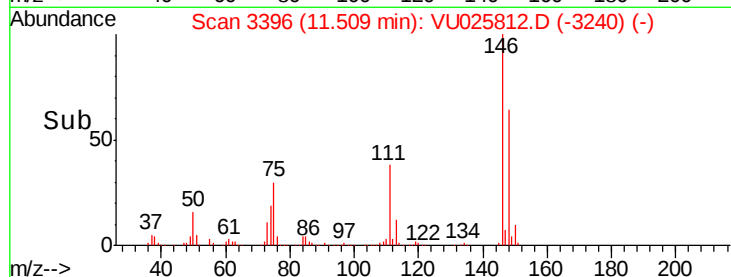
148 63.4 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 12.398 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

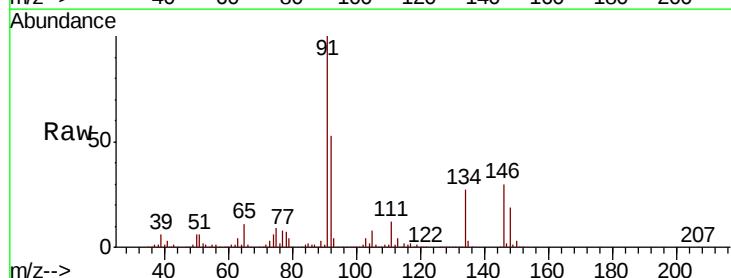
Tgt Ion: 91 Resp: 518353

Ion Ratio Lower Upper

91 100

92 52.2 42.2 63.2

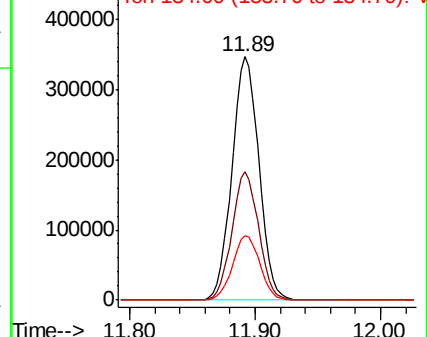
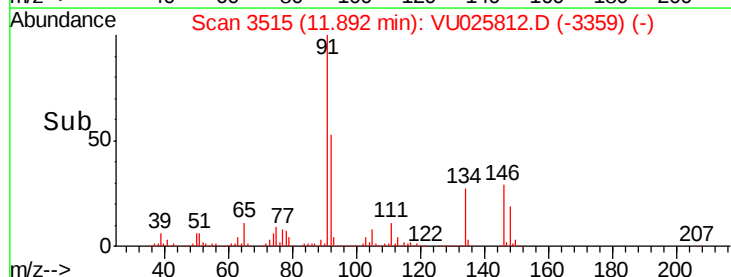
134 26.8 20.3 30.5

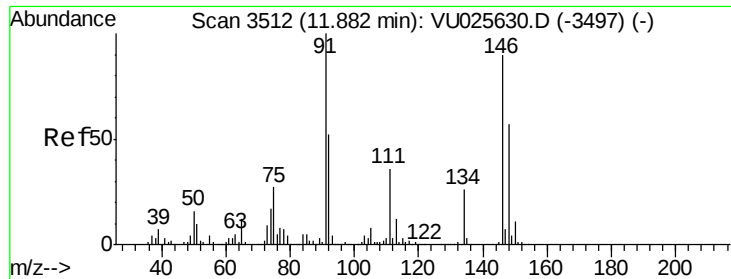


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

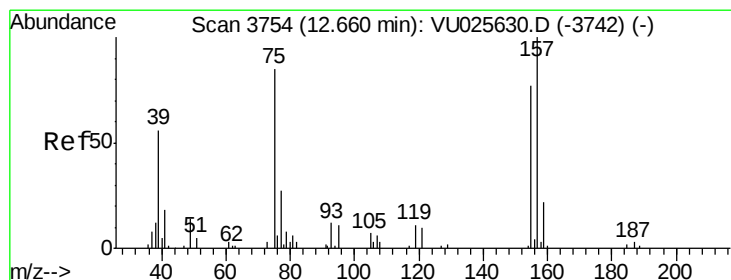
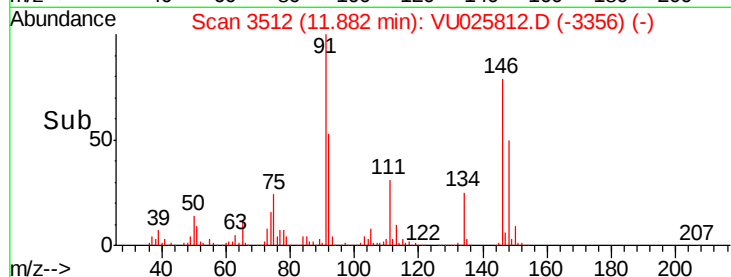
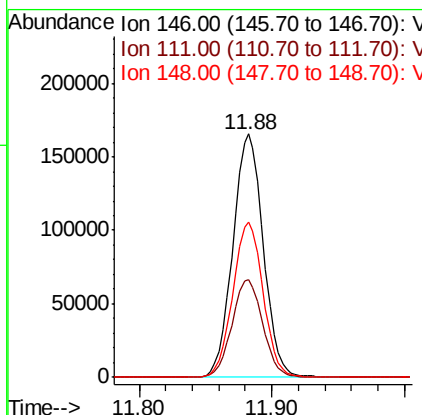
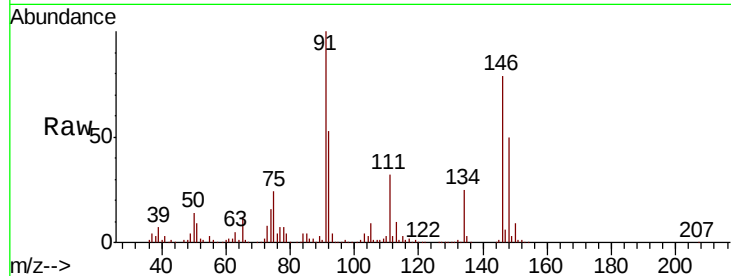




#85  
 1,2-Dichlorobenzene  
 Concen: 11.610 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

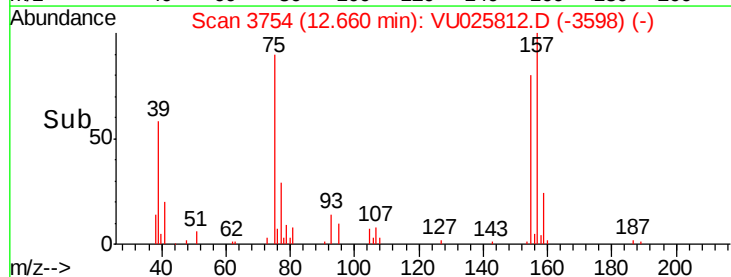
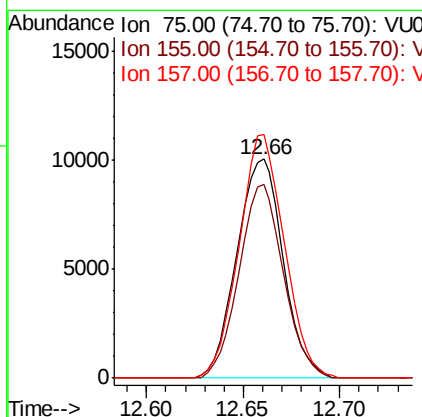
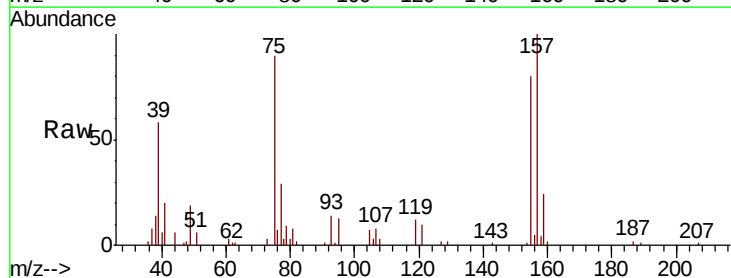
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

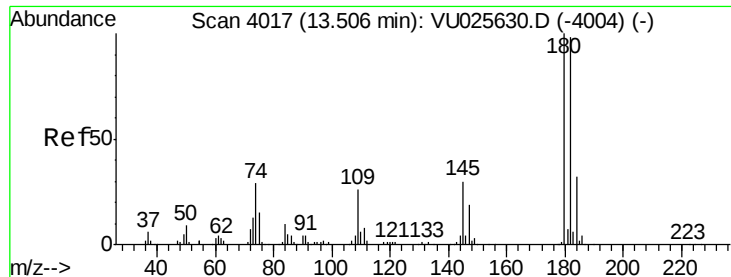
Tgt Ion: 146 Resp: 262963  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 20.7 62.1  
 148 63.6 31.9 95.5



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 11.340 ug/l  
 RT: 12.66 min Scan# 3754  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion: 75 Resp: 16760  
 Ion Ratio Lower Upper  
 75 100  
 155 84.8 65.8 98.6  
 157 109.0 83.5 125.3

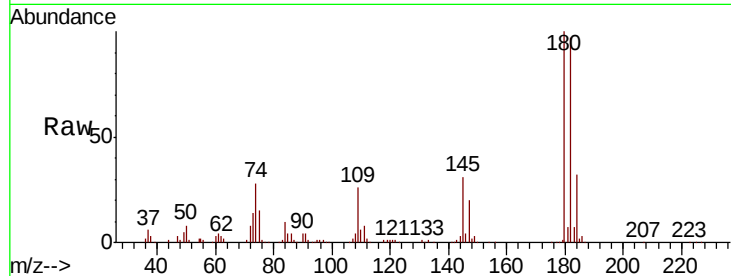




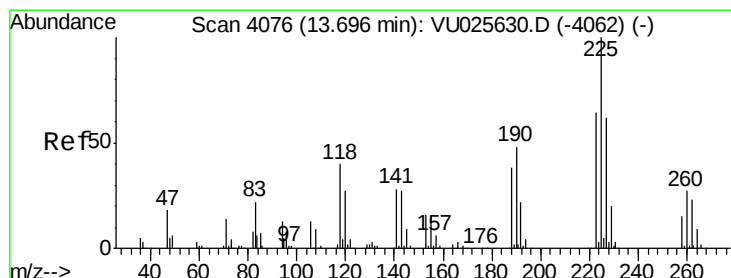
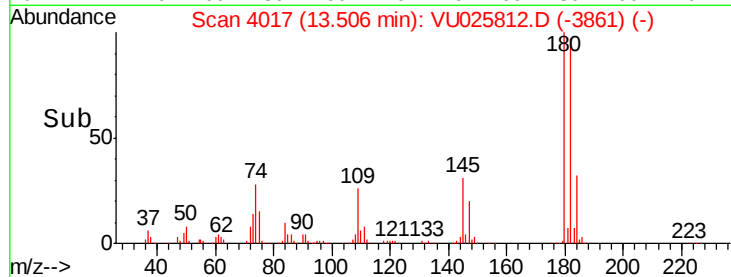
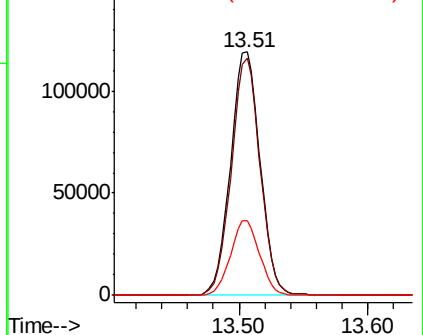
#87  
 1,2,4-Trichlorobenzene  
 Concen: 12.013 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion:180 Resp: 189456  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 77.1 115.7  
 145 30.3 23.3 34.9

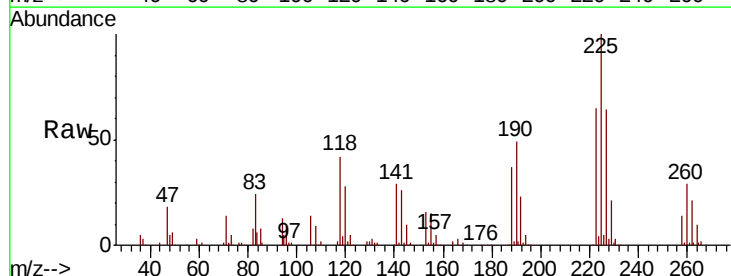


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

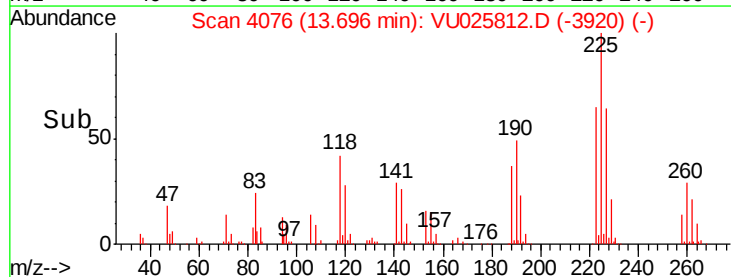
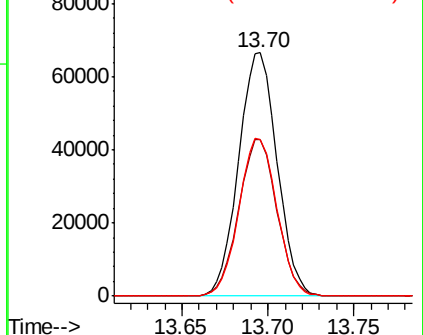


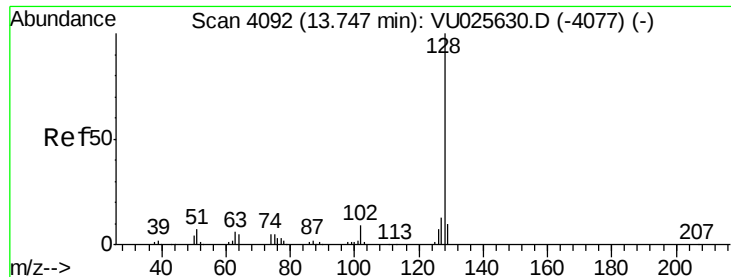
#88  
 Hexachlorobutadiene  
 Concen: 10.670 ug/l  
 RT: 13.70 min Scan# 4076  
 Delta R.T. 0.00 min  
 Lab File: VU025812.D  
 Acq: 03 Aug 2018 11:37

Tgt Ion:225 Resp: 103397  
 Ion Ratio Lower Upper  
 225 100  
 223 63.9 50.6 75.8  
 227 64.0 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V  
 Ion 222.60 (222.30 to 223.30): V  
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 11.694 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

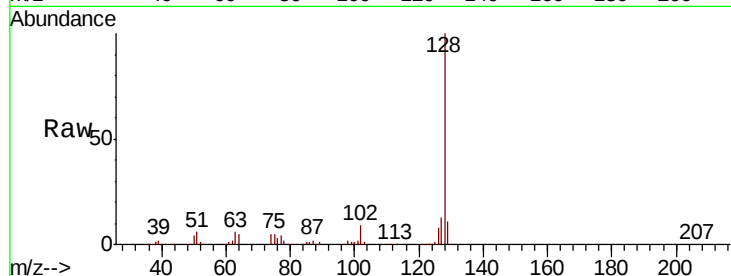
Tgt Ion:128 Resp: 299362

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

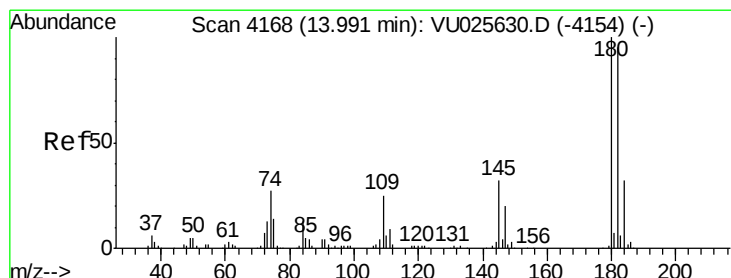
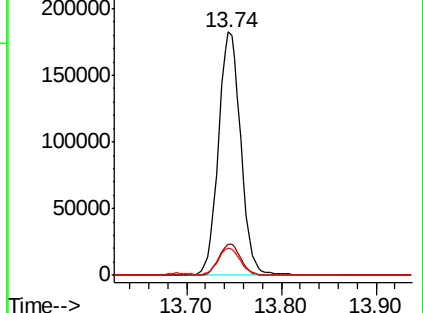
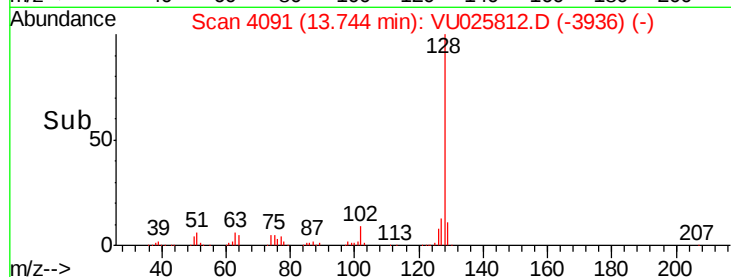
129 11.2 8.7 13.1



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



#90

1,2,3-Trichlorobenzene

Concen: 11.707 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025812.D

Acq: 03 Aug 2018 11:37

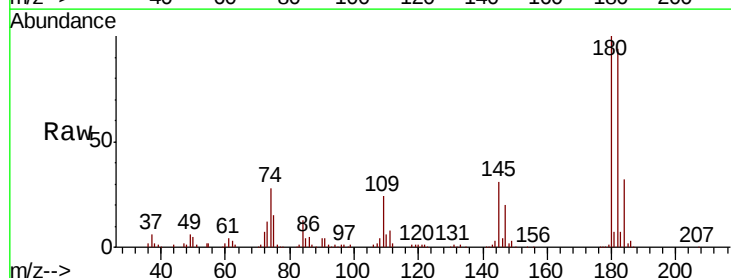
Tgt Ion:180 Resp: 168700

Ion Ratio Lower Upper

180 100

182 95.7 76.8 115.2

145 31.0 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

