

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082919\  
 Data File : VU034023.D  
 Acq On : 28 Aug 2019 14:52  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 29 04:15:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 454475   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 711590   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 684870   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 354270   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 5.28   | 65  | 273802   | 47.02 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.04% |      |
| 35) Dibromofluoromethane    | 4.86   | 113 | 229156   | 46.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.86% |      |
| 50) Toluene-d8              | 7.55   | 98  | 903135   | 48.87 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.74% |      |
| 62) 4-Bromofluorobenzene    | 10.29  | 95  | 346578   | 48.21 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.42% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 234676  | 51.343  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 302934  | 49.611  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 295954  | 48.649  | ug/l | 99     |
| 5) Bromomethane               | 1.59 | 94  | 138733  | 47.033  | ug/l | 100    |
| 6) Chloroethane               | 1.67 | 64  | 172609  | 46.411  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.87 | 101 | 341361  | 48.428  | ug/l | 99     |
| 8) Diethyl Ether              | 2.09 | 74  | 149802  | 49.679  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.27 | 101 | 219868  | 49.237  | ug/l | 99     |
| 10) Methyl Iodide             | 2.39 | 142 | 299577  | 47.293  | ug/l | 100    |
| 11) Tert butyl alcohol        | 2.82 | 59  | 321371  | 239.311 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.27 | 96  | 222134  | 48.823  | ug/l | 98     |
| 13) Acrolein                  | 2.18 | 56  | 131724  | 233.172 | ug/l | 98     |
| 14) Allyl chloride            | 2.57 | 41  | 424386  | 49.611  | ug/l | 99     |
| 15) Acrylonitrile             | 2.92 | 53  | 762027  | 247.288 | ug/l | 100    |
| 16) Acetone                   | 2.31 | 43  | 745577  | 250.923 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.46 | 76  | 683256  | 47.449  | ug/l | 99     |
| 18) Methyl Acetate            | 2.60 | 43  | 350416  | 45.636  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 2.98 | 73  | 758356  | 50.871  | ug/l | 100    |
| 20) Methylene Chloride        | 2.68 | 84  | 263208  | 46.792  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 2.96 | 96  | 240560  | 48.718  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.55 | 45  | 789000  | 50.335  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.50 | 43  | 3463306 | 257.201 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.42 | 63  | 452804  | 48.929  | ug/l | 100    |
| 25) 2-Butanone                | 4.23 | 43  | 1059390 | 256.267 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.20 | 77  | 372913  | 49.522  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.20 | 96  | 272079  | 49.092  | ug/l | 100    |
| 28) Bromochloromethane        | 4.52 | 49  | 222759  | 48.857  | ug/l | 99     |
| 29) Tetrahydrofuran           | 4.61 | 42  | 646456  | 253.573 | ug/l | 100    |
| 30) Chloroform                | 4.65 | 83  | 436373  | 47.260  | ug/l | 98     |
| 31) Cyclohexane               | 4.97 | 56  | 410109  | 47.161  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97  | 366539  | 48.470  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.11 | 75  | 335778  | 49.887  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.35 | 43  | 371633  | 49.306  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117 | 319067  | 49.111  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082919\  
 Data File : VU034023.D  
 Acq On : 28 Aug 2019 14:52  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 29 04:15:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.39  | 83   | 409015   | 51.558  | ug/l   | 99       |
| 40) Benzene                    | 5.37  | 78   | 998185   | 49.017  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.52  | 41   | 203117   | 52.546  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 340382   | 48.404  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.53  | 43   | 586513   | 51.149  | ug/l   | 99       |
| 44) Trichloroethene            | 6.16  | 130  | 265397   | 49.629  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 280121   | 49.970  | ug/l   | 99       |
| 46) Dibromomethane             | 6.54  | 93   | 178565   | 49.443  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.74  | 83   | 348214   | 49.281  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.60  | 41   | 282610   | 51.075  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 138420   | 998.414 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 1977955  | 249.773 | ug/l   | 99       |
| 52) Toluene                    | 7.62  | 92   | 637584   | 50.825  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 398196   | 50.788  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 434993   | 50.784  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 8.05  | 97   | 256634   | 48.364  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 8.00  | 69   | 415823   | 47.297  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 443313   | 49.203  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 753820   | 256.786 | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.34  | 43   | 1541751  | 257.898 | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.46  | 129  | 283895   | 49.841  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 271428   | 48.559  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.21  | 164  | 234431   | 50.970  | ug/l   | 99       |
| 65) Chlorobenzene              | 9.10  | 112  | 699959   | 49.664  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 253817   | 49.665  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.23  | 91   | 1229907  | 51.480  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.36  | 106  | 951795   | 104.773 | ug/l   | 100      |
| 69) o-Xylene                   | 9.76  | 106  | 458404   | 52.597  | ug/l   | 100      |
| 70) Styrene                    | 9.77  | 104  | 794911   | 53.194  | ug/l   | 100      |
| 71) Bromoform                  | 9.94  | 173  | 218559   | 49.222  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.15 | 105  | 1243049  | 52.237  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.00 | 43   | 536044   | 53.559  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 432014   | 47.433  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.48 | 75   | 489539   | 61.310  | ug/l   | 86       |
| 77) Bromobenzene               | 10.43 | 156  | 317107   | 49.539  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.57 | 91   | 1459026  | 52.648  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 854953   | 51.434  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.76 | 105  | 1070318  | 53.068  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.48 | 75   | 491040   | 207.079 | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.76 | 91   | 982935   | 51.417  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.08 | 119  | 1031095  | 51.932  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 1065763  | 53.216  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.31 | 105  | 1251622  | 52.597  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 1155858  | 53.705  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 570193   | 50.315  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 564344   | 49.241  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.87 | 91   | 1032365  | 54.406  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.13 | 117  | 181514   | 48.780  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 548733   | 50.548  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 88797    | 48.938  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082919\  
Data File : VU034023.D  
Acq On : 28 Aug 2019 14:52  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Quant Time: Aug 29 04:15:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration

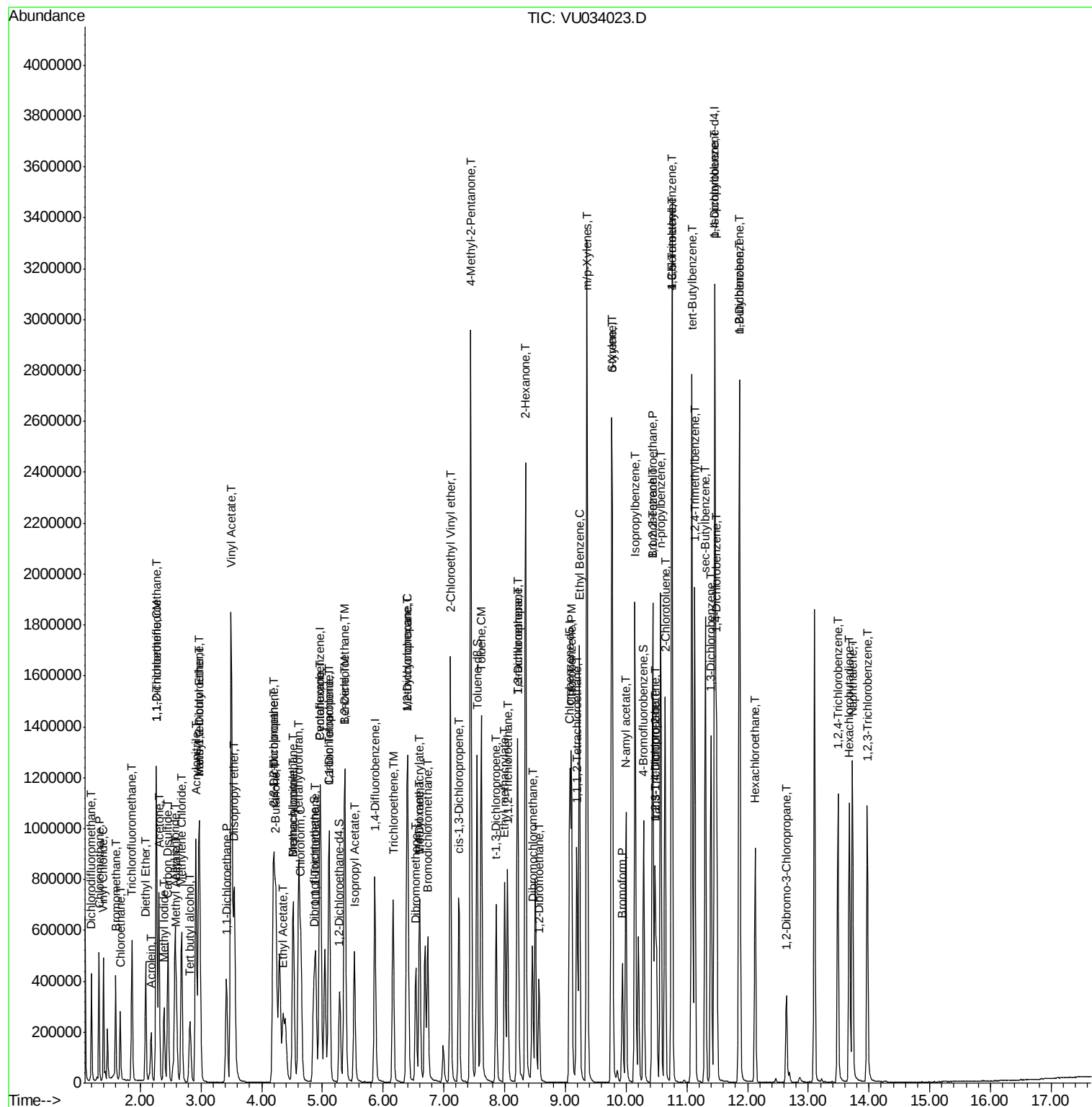
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.49 | 180  | 376720   | 48.815 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 217939   | 51.320 | ug/l  | 98       |
| 95) Naphthalene            | 13.73 | 128  | 1046892  | 47.438 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 369715   | 53.166 | ug/l  | 99       |

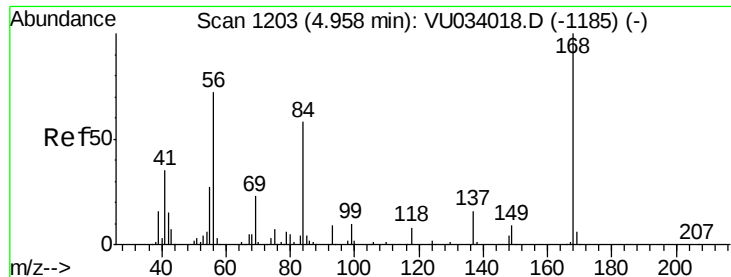
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU082919\  
Data File : VU034023.D  
Acq On : 28 Aug 2019 14:52  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Quant Time: Aug 29 04:15:22 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

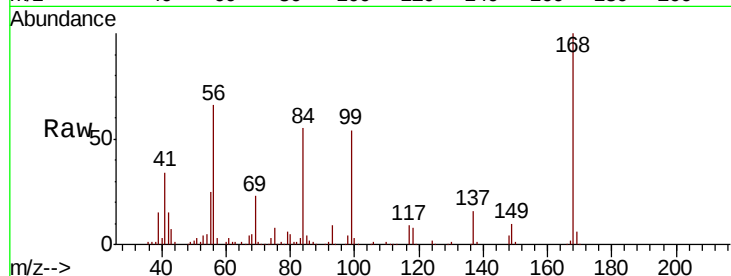
VSTDCCC050

Tgt Ion: 168 Resp: 454475

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

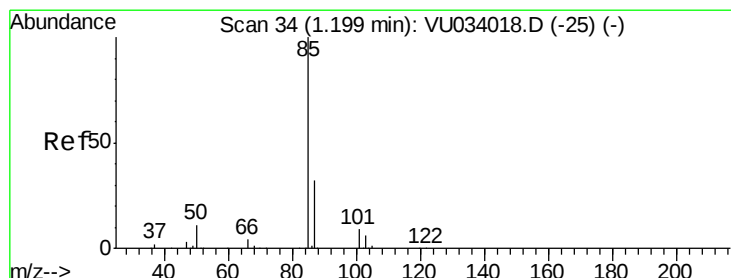
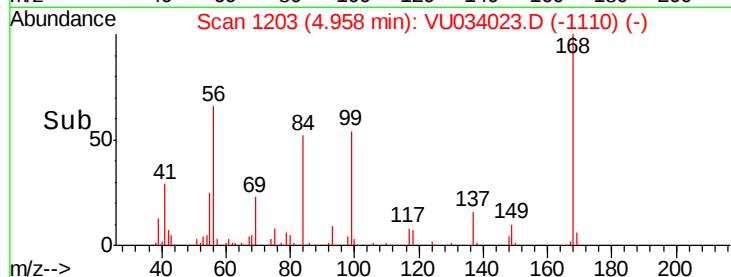
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.343 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034023.D

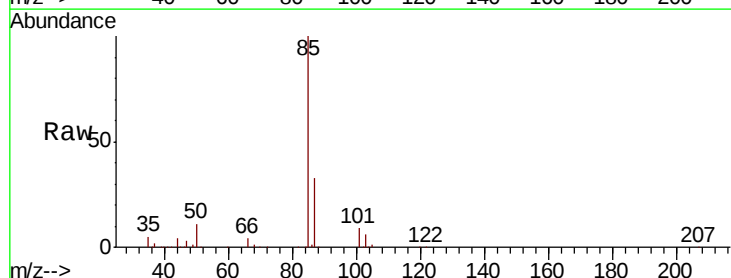
Acq: 28 Aug 2019 14:52

Tgt Ion: 85 Resp: 234676

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

250000

200000

150000

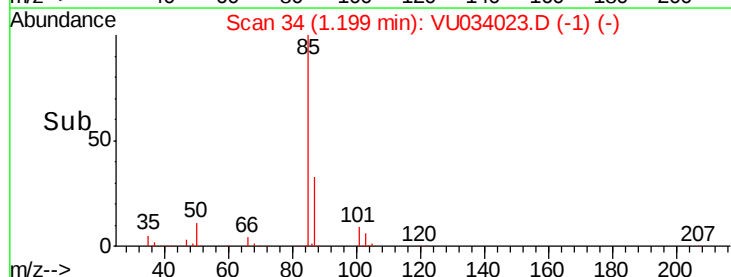
100000

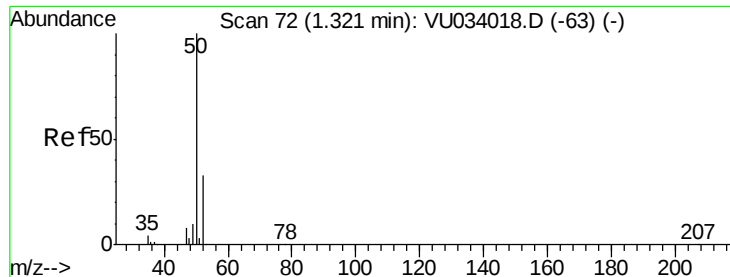
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.611 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

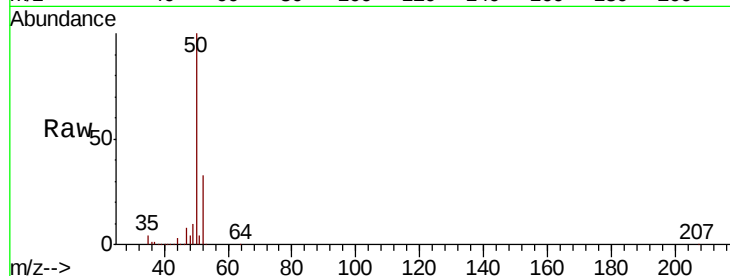
VSTDCCC050

Tgt Ion: 50 Resp: 302934

Ion Ratio Lower Upper

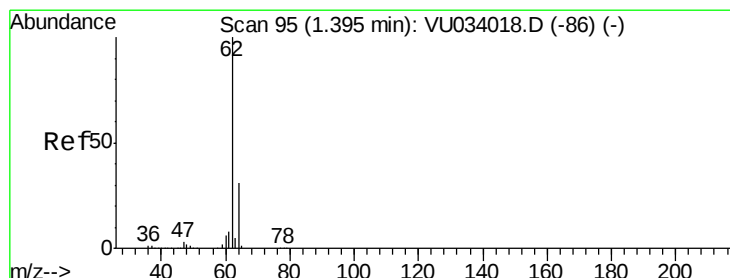
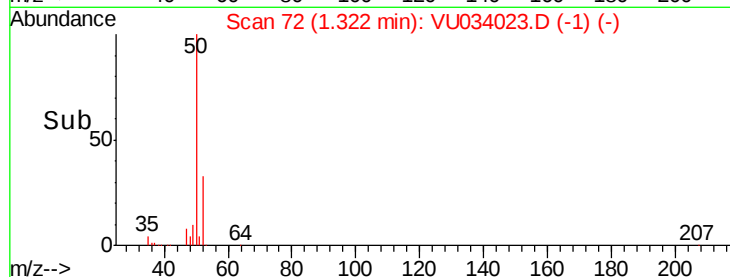
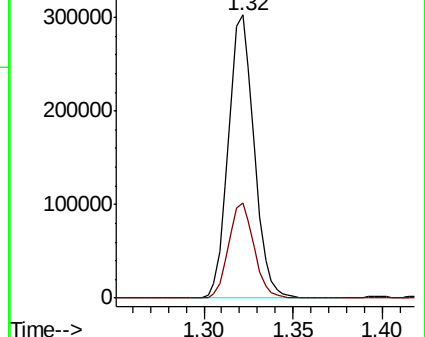
50 100

52 33.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034023.D (-1) (-)



#4

Vinyl Chloride

Concen: 48.649 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034023.D

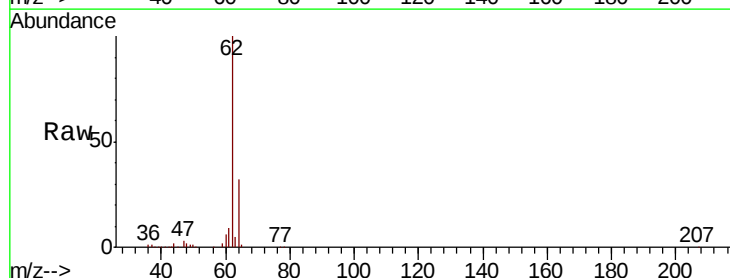
Acq: 28 Aug 2019 14:52

Tgt Ion: 62 Resp: 295954

Ion Ratio Lower Upper

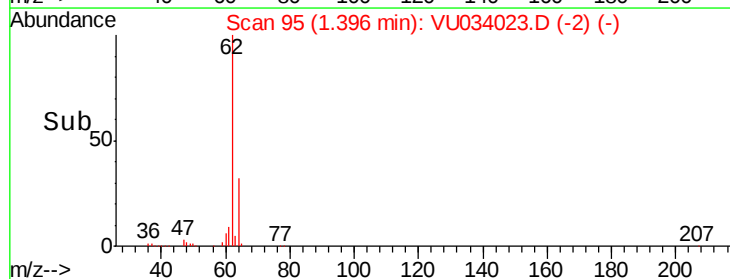
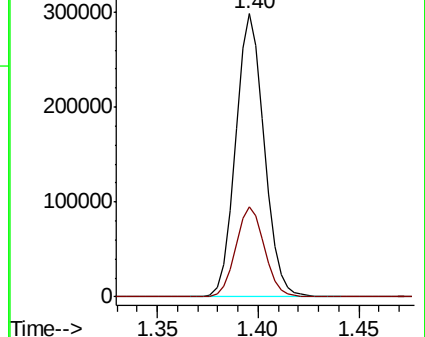
62 100

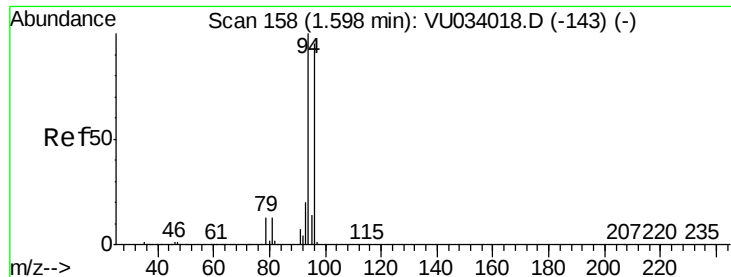
64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034023.D (-2) (-)





#5

Bromomethane

Concen: 47.033 ug/l

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

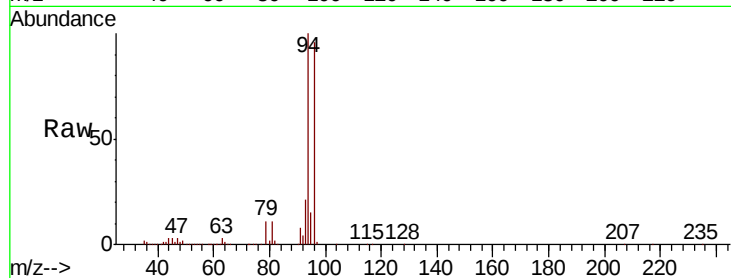
VSTDCCC050

Tgt Ion: 94 Resp: 138733

Ion Ratio Lower Upper

94 100

96 95.8 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034023.D (-157) (-)

Ion 95.90 (95.60 to 96.60): VU034023.D (-157) (-)

1.59

150000

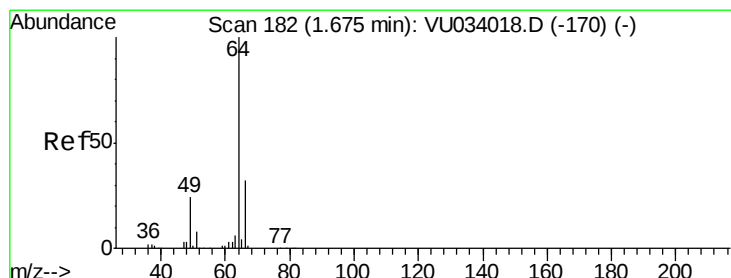
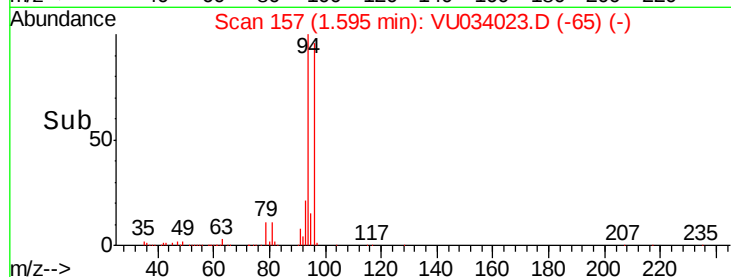
100000

50000

0

1.55 1.60 1.65

Time-->



#6

Chloroethane

Concen: 46.411 ug/l

RT: 1.67 min Scan# 181

Delta R.T. -0.00 min

Lab File: VU034023.D

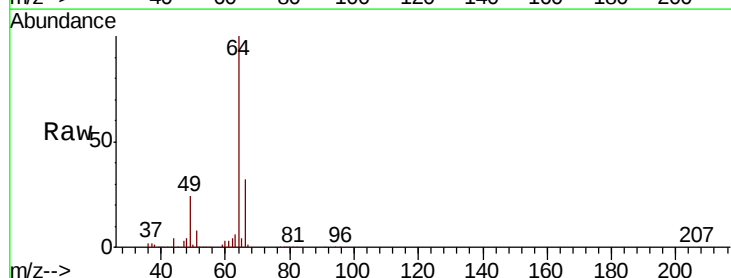
Acq: 28 Aug 2019 14:52

Tgt Ion: 64 Resp: 172609

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034023.D (-181) (-)

Ion 65.90 (65.60 to 66.60): VU034023.D (-181) (-)

1.67

150000

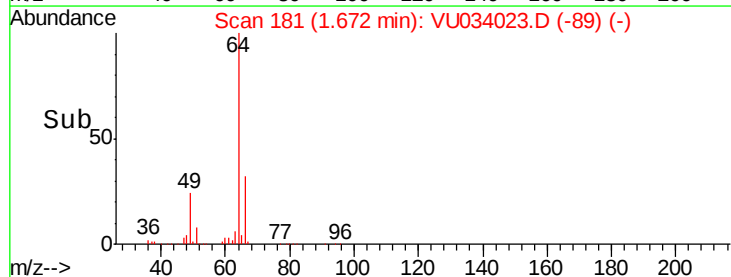
100000

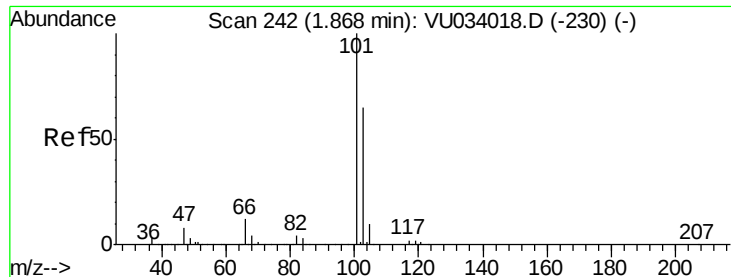
50000

0

1.60 1.65 1.70

Time-->



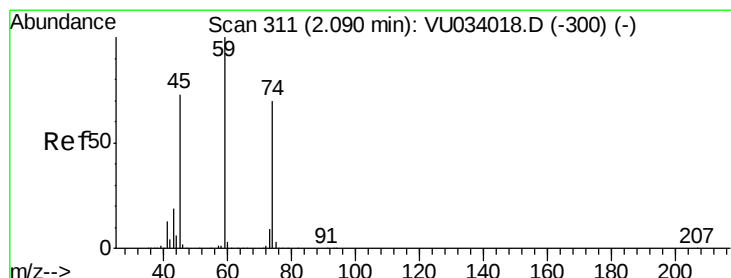
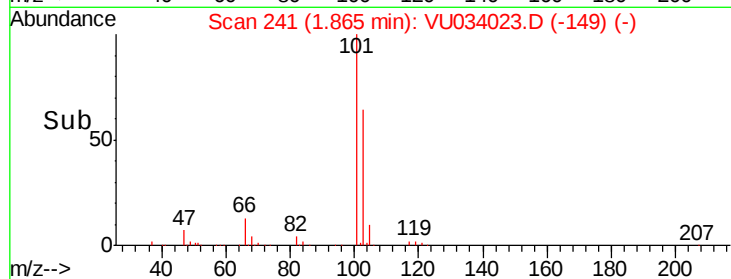
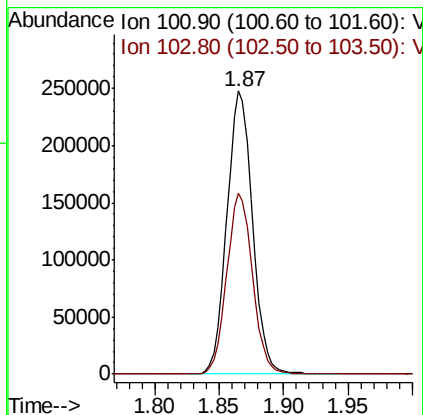
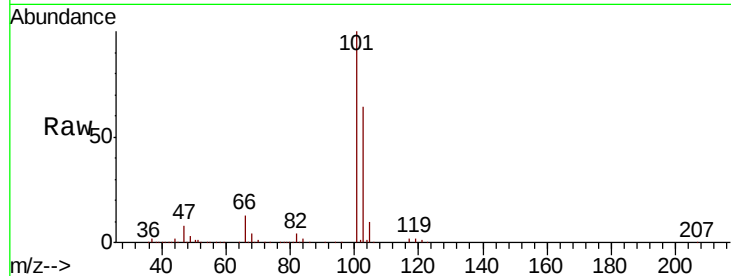


#7

Trichlorofluoromethane  
 Concen: 48.428 ug/l  
 RT: 1.87 min Scan# 241  
 Delta R.T. -0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

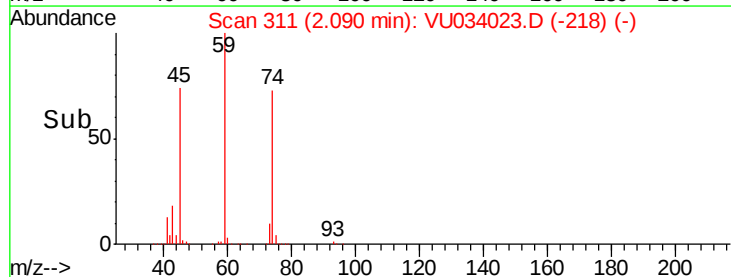
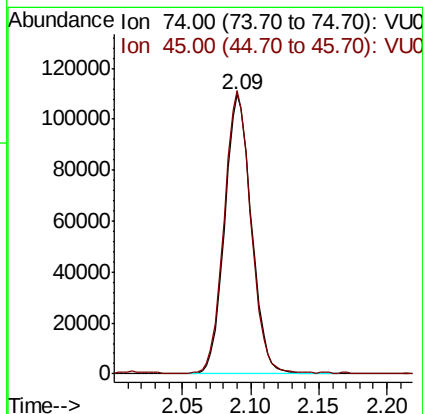
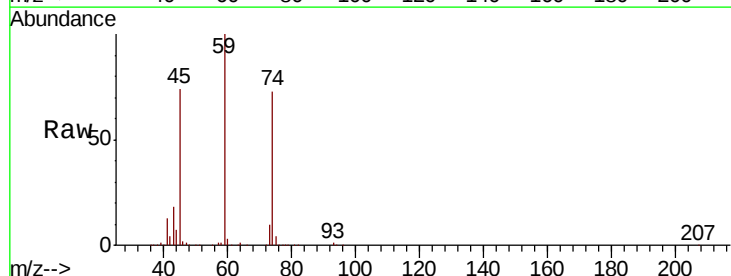
Tgt Ion:101 Resp: 341361  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 52.1 78.1

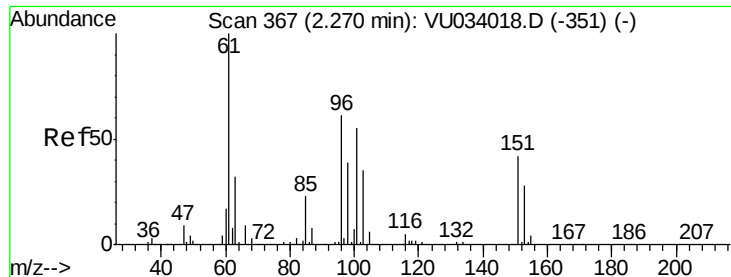


#8

Diethyl Ether  
 Concen: 49.679 ug/l  
 RT: 2.09 min Scan# 311  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 74 Resp: 149802  
 Ion Ratio Lower Upper  
 74 100  
 45 101.0 51.8 155.5

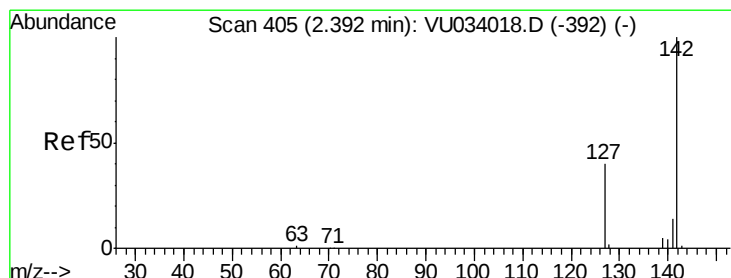
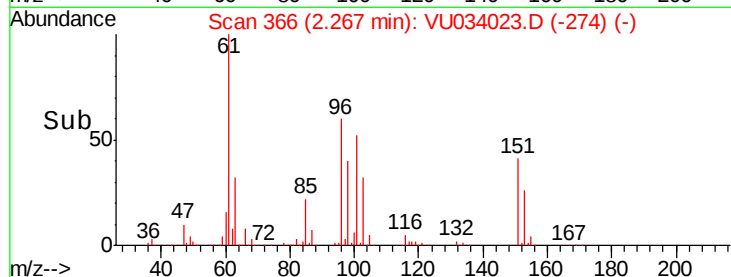
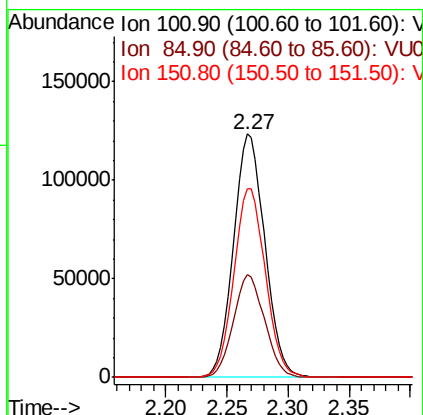
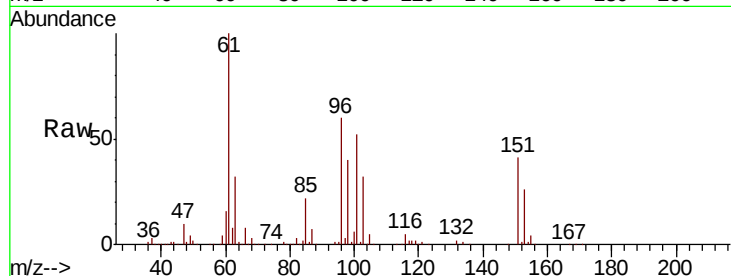




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 49.237 ug/l  
 RT: 2.27 min Scan# 366  
 Delta R.T. -0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

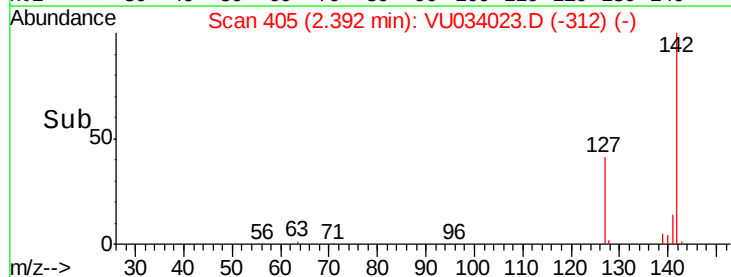
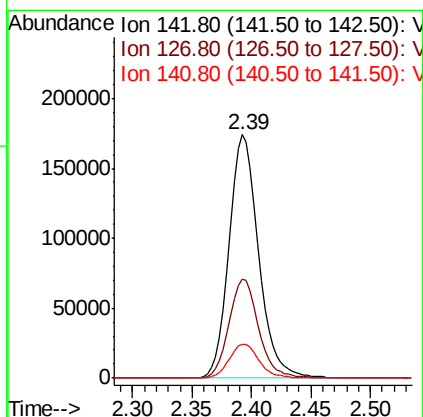
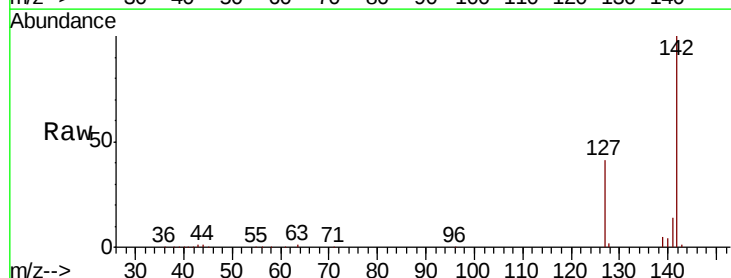
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

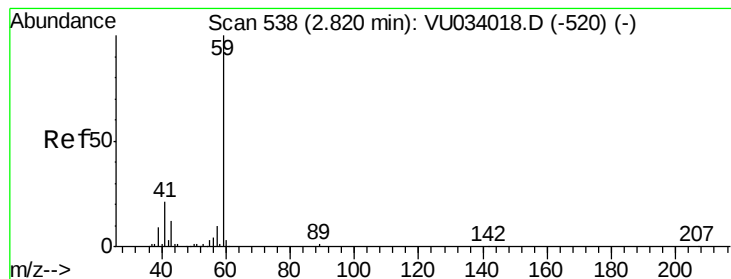
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 42.0  | 34.2  | 51.2  |
| 151     | 77.9  | 61.4  | 92.2  |



#10  
 Methyl Iodide  
 Concen: 47.293 ug/l  
 RT: 2.39 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 40.8  | 32.6  | 48.8  |
| 141     | 14.2  | 11.3  | 16.9  |





#11

Tert butyl alcohol

Concen: 239.311 ug/l

RT: 2.82 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

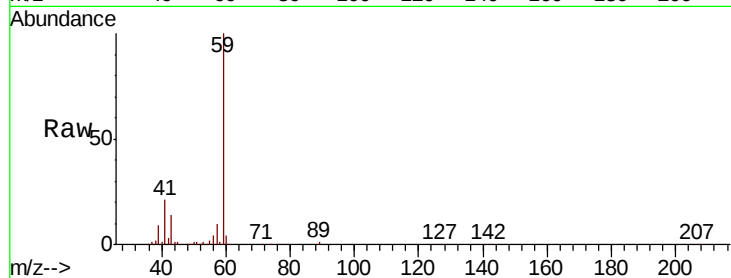
VSTDCCC050

Tgt Ion: 59 Resp: 321371

Ion Ratio Lower Upper

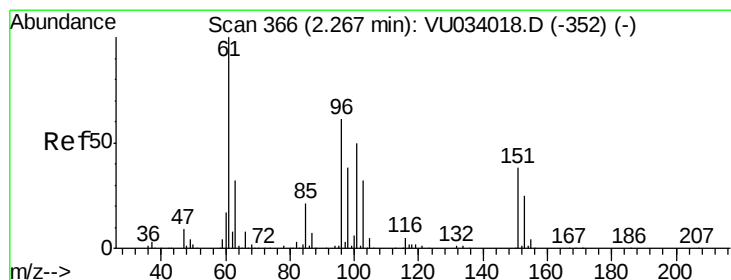
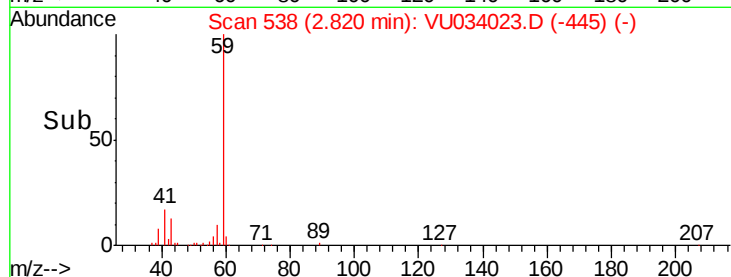
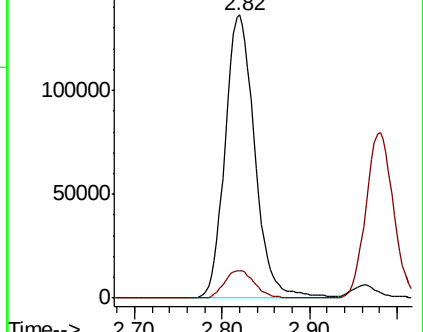
59 100

57 10.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU034023.D (-445) (-)

Ion 57.00 (56.70 to 57.70): VU034023.D (-445) (-)



#12

1,1-Dichloroethene

Concen: 48.823 ug/l

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

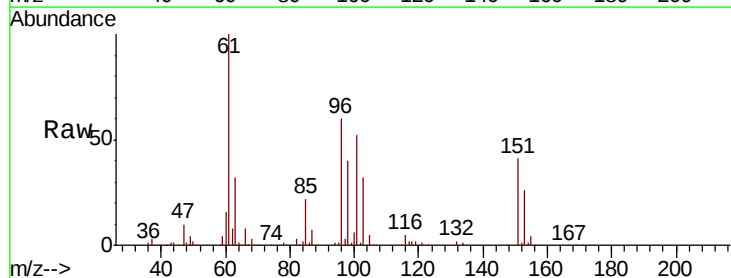
Tgt Ion: 96 Resp: 222134

Ion Ratio Lower Upper

96 100

61 165.8 131.3 196.9

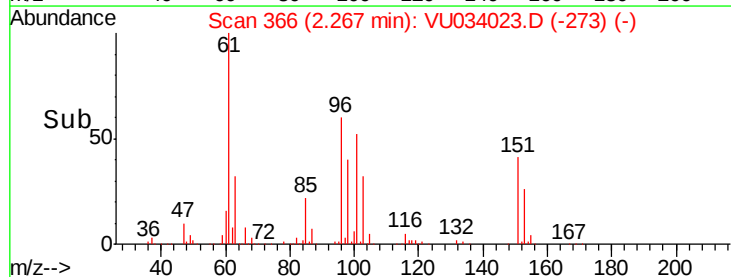
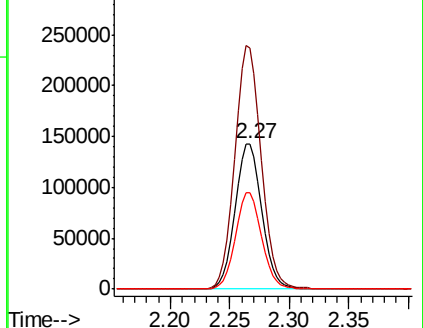
98 66.5 50.3 75.5

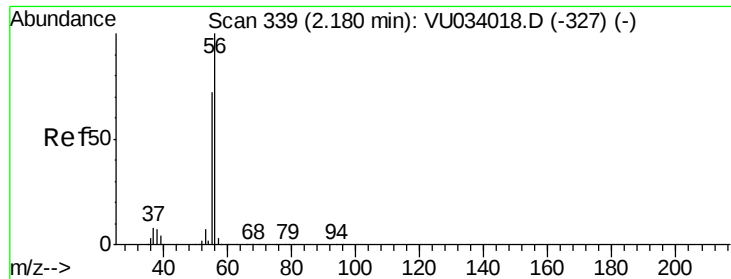


Abundance Ion 95.90 (95.60 to 96.60): VU034023.D (-273) (-)

Ion 60.90 (60.60 to 61.60): VU034023.D (-273) (-)

Ion 97.90 (97.60 to 98.60): VU034023.D (-273) (-)





#13

Acrolein

Concen: 233.172 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

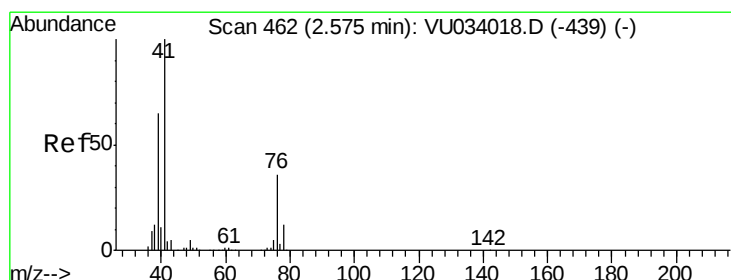
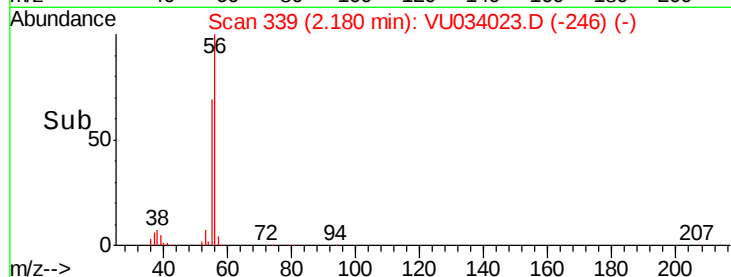
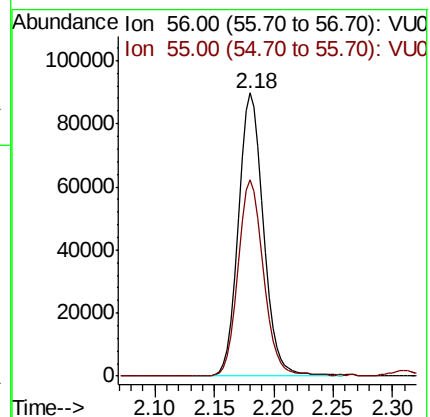
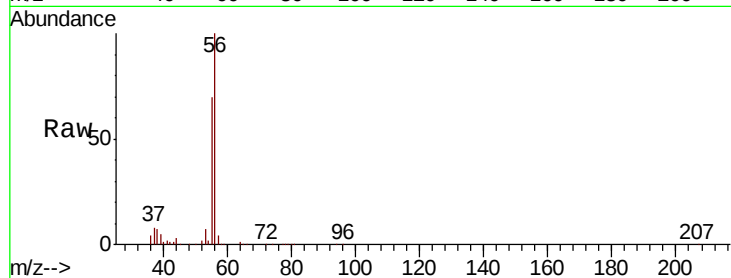
VSTDCCC050

Tgt Ion: 56 Resp: 131724

Ion Ratio Lower Upper

56 100

55 70.0 57.1 85.7



#14

Allyl chloride

Concen: 49.611 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

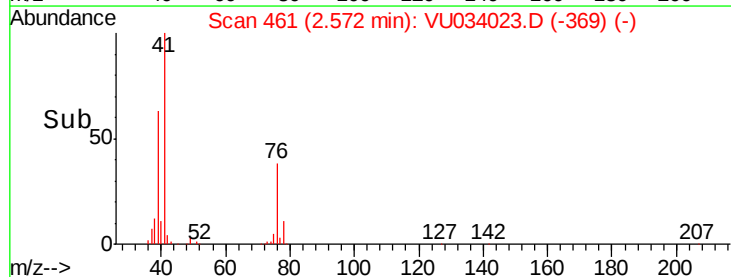
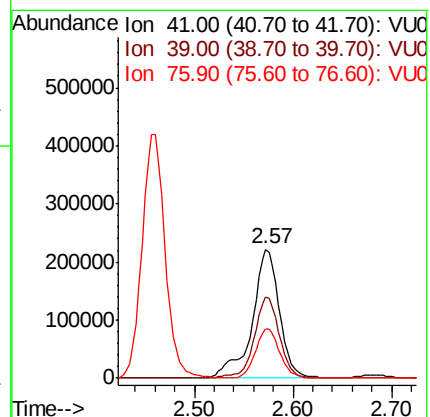
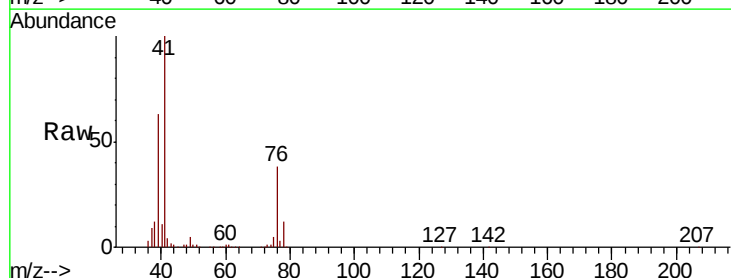
Tgt Ion: 41 Resp: 424386

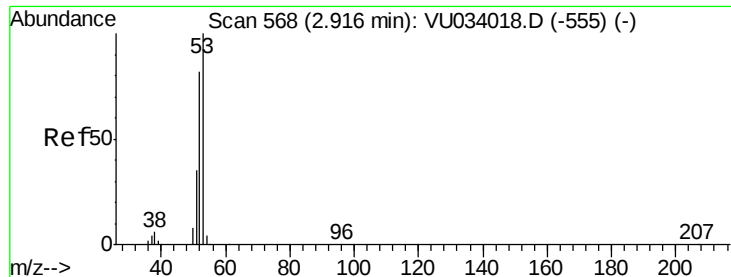
Ion Ratio Lower Upper

41 100

39 57.2 46.8 70.2

76 33.7 26.6 40.0





#15

Acrylonitrile

Concen: 247.288 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

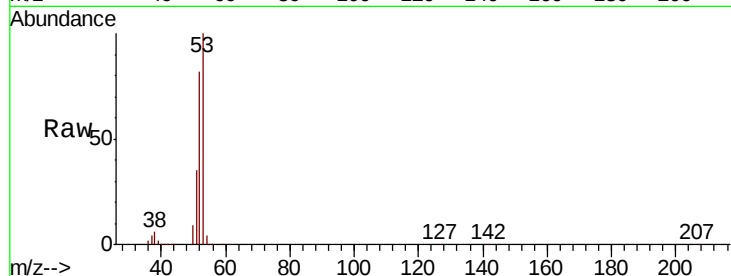
Tgt Ion: 53 Resp: 762027

Ion Ratio Lower Upper

53 100

52 82.2 65.7 98.5

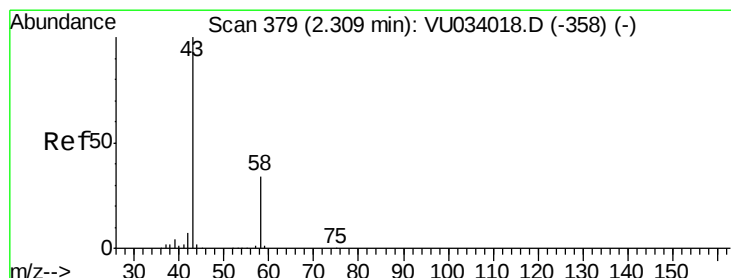
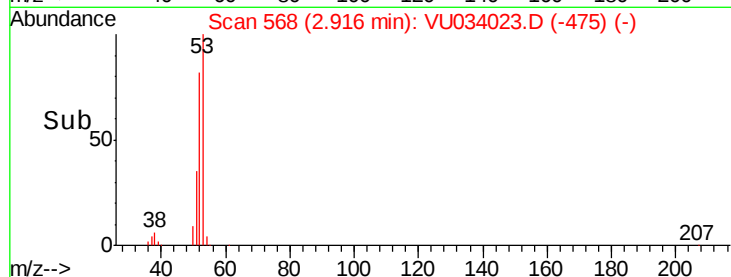
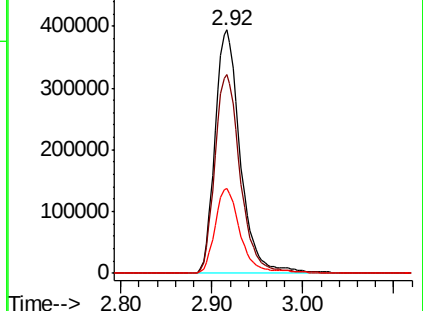
51 35.1 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034023.D (-286) (-)

Ion 52.00 (51.70 to 52.70): VU034023.D (-286) (-)

Ion 51.00 (50.70 to 51.70): VU034023.D (-286) (-)



#16

Acetone

Concen: 250.923 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034023.D

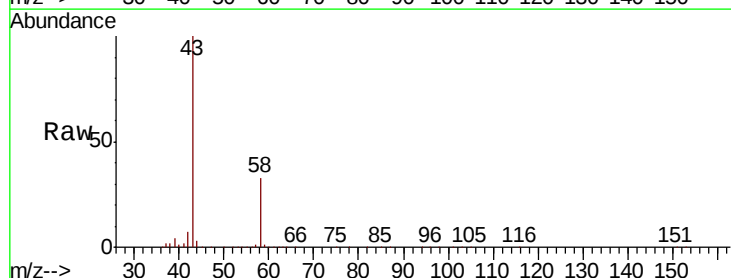
Acq: 28 Aug 2019 14:52

Tgt Ion: 43 Resp: 745577

Ion Ratio Lower Upper

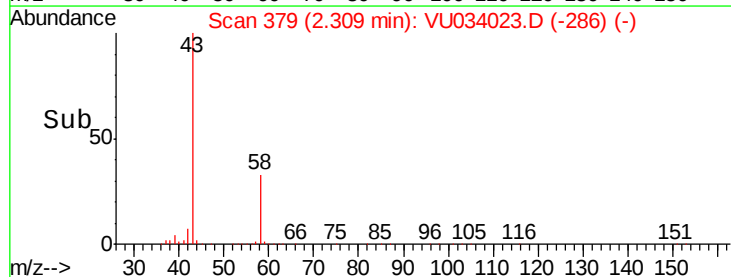
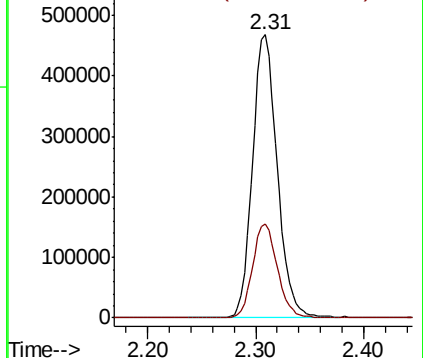
43 100

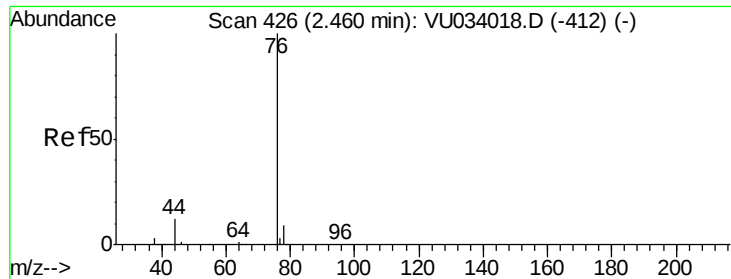
58 33.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034023.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034023.D (-286) (-)

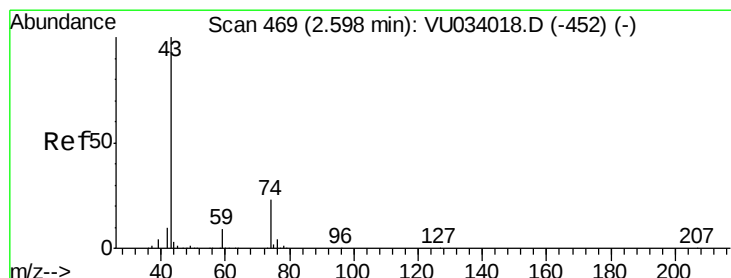
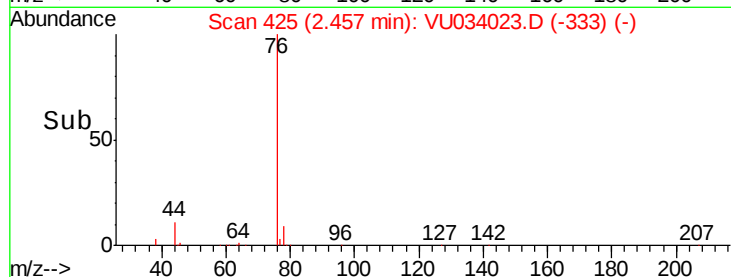
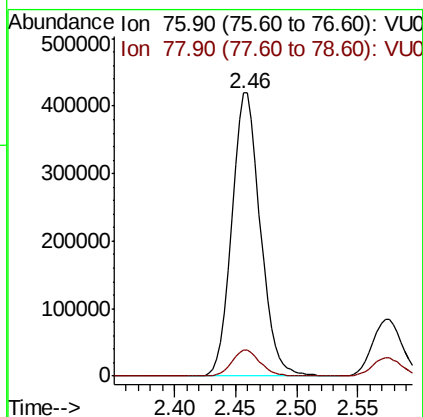
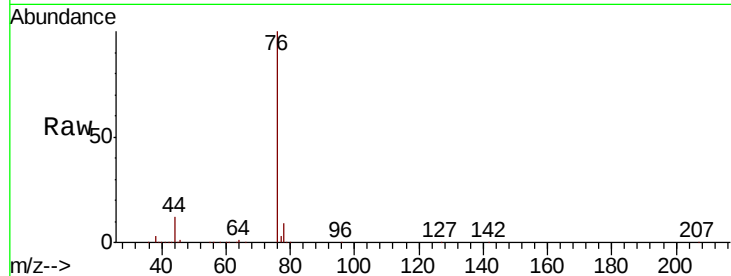




#17  
Carbon Disulfide  
Concen: 47.449 ug/l  
RT: 2.46 min Scan# 425  
Delta R.T. -0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

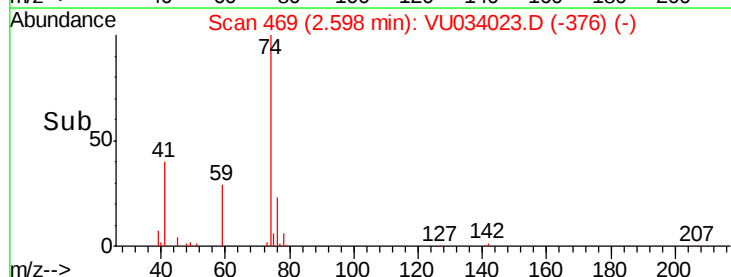
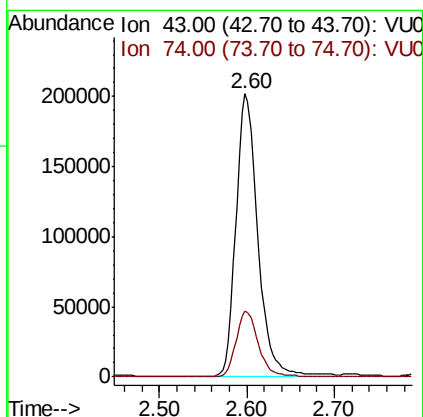
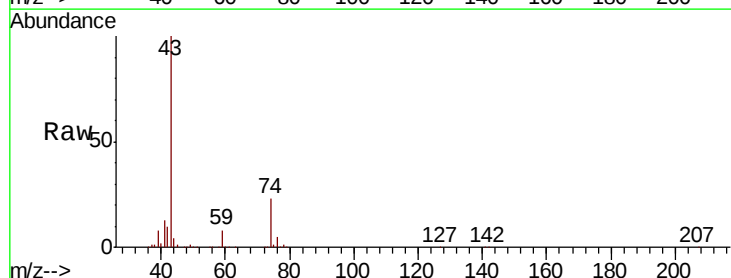
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

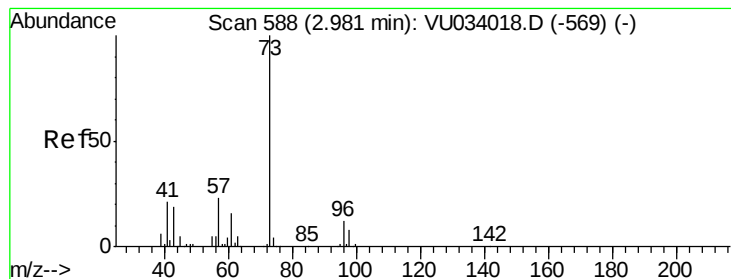
Tgt Ion: 76 Resp: 683256  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7



#18  
Methyl Acetate  
Concen: 45.636 ug/l  
RT: 2.60 min Scan# 469  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 43 Resp: 350416  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.2 28.8



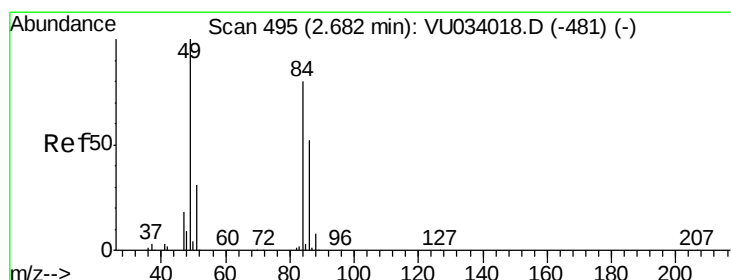
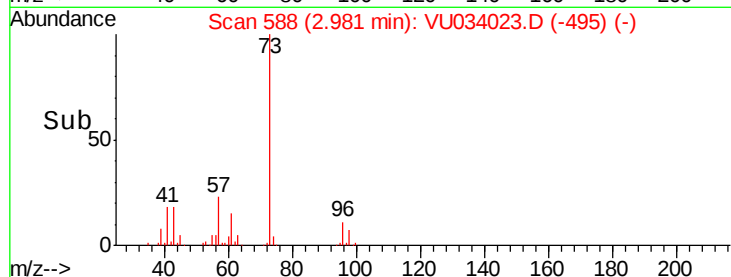
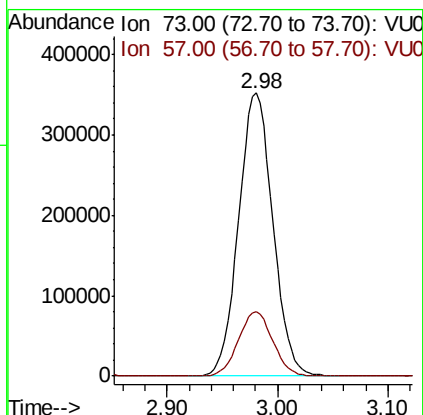
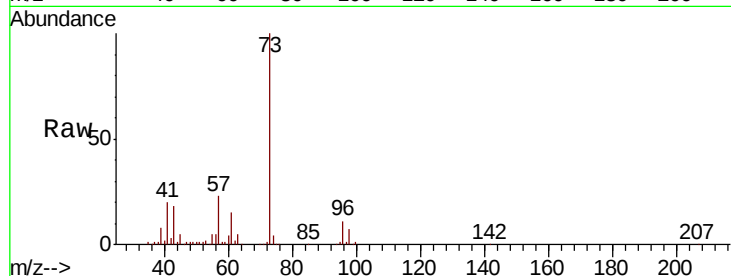


#19

Methyl tert-butyl Ether  
 Concen: 50.871 ug/l  
 RT: 2.98 min Scan# 588  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

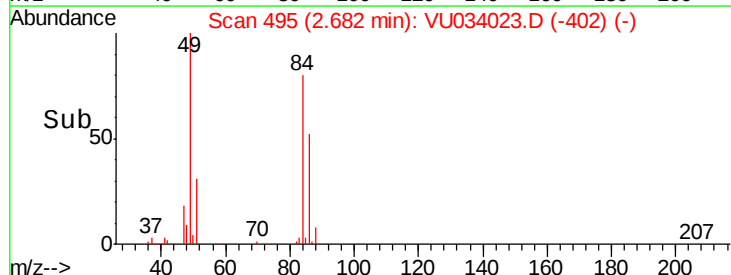
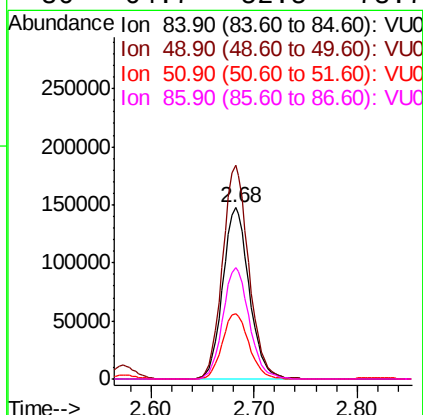
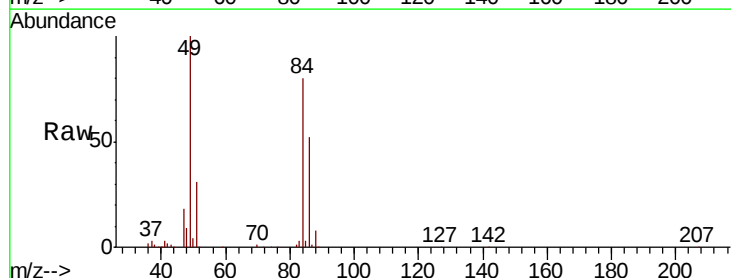
Tgt Ion: 73 Resp: 758356  
 Ion Ratio Lower Upper  
 73 100  
 57 22.7 18.3 27.5

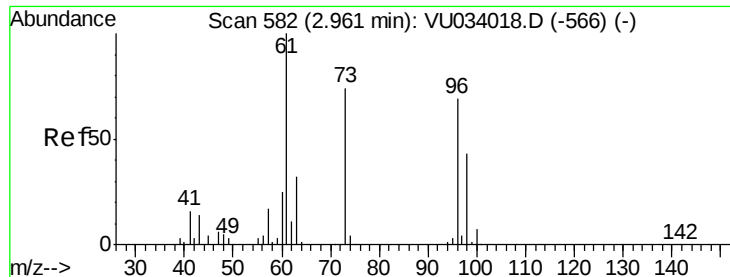


#20

Methylene Chloride  
 Concen: 46.792 ug/l  
 RT: 2.68 min Scan# 495  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 84 Resp: 263208  
 Ion Ratio Lower Upper  
 84 100  
 49 124.5 100.2 150.4  
 51 38.4 30.8 46.2  
 86 64.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.718 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

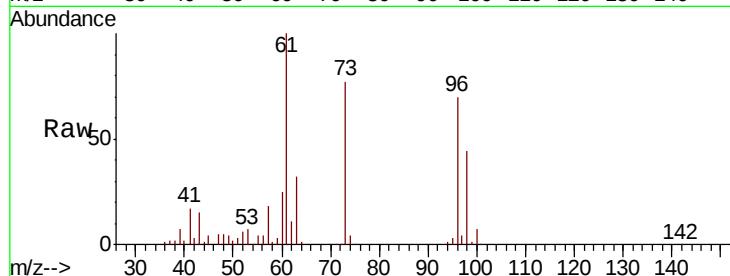
Tgt Ion: 96 Resp: 240560

Ion Ratio Lower Upper

96 100

61 143.6 115.5 173.3

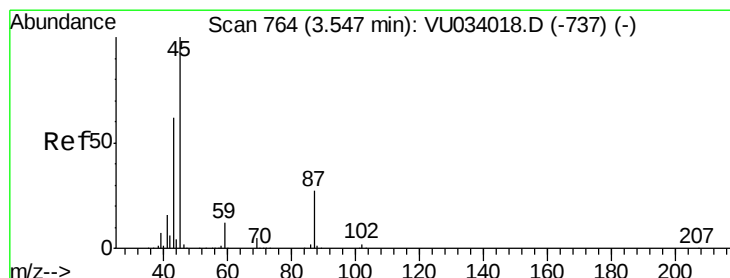
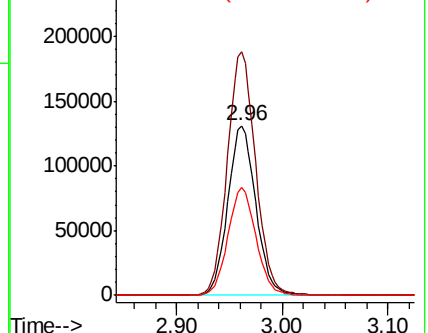
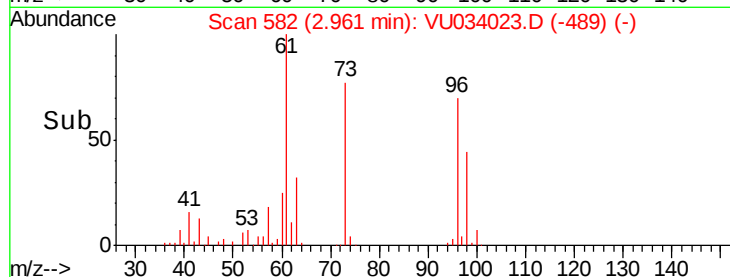
98 63.5 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034023.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034023.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034023.D (-489) (-)



#22

Diisopropyl ether

Concen: 50.335 ug/l

RT: 3.55 min Scan# 764

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion: 45 Resp: 789000

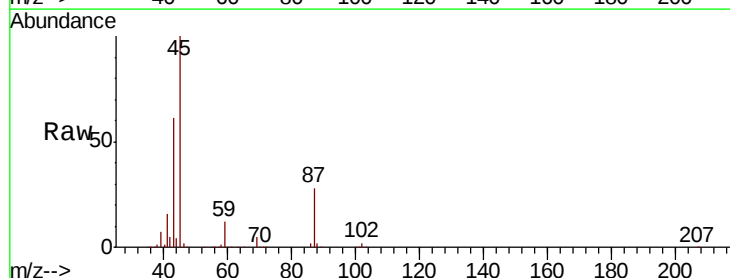
Ion Ratio Lower Upper

45 100

43 60.9 49.7 74.5

87 27.7 21.8 32.8

59 11.5 9.3 13.9

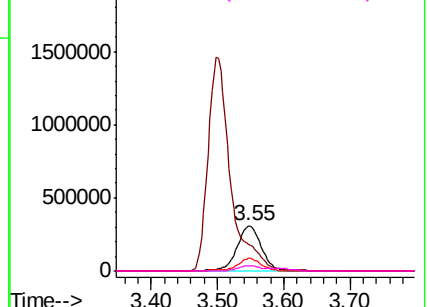
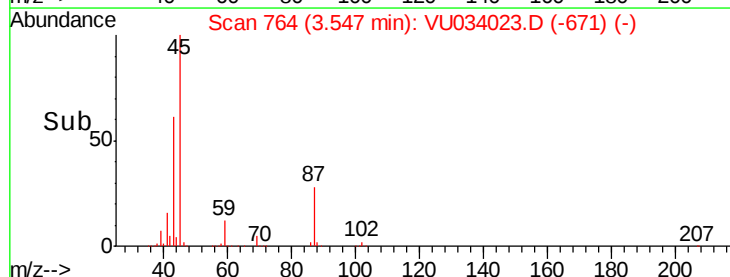


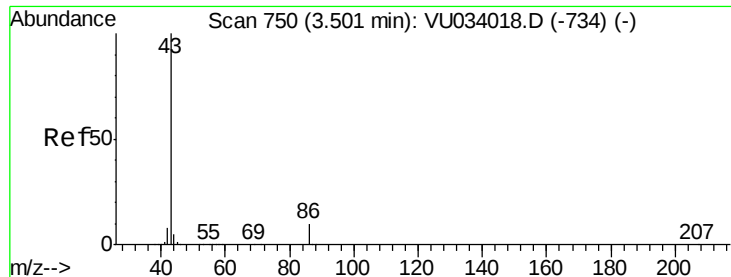
Abundance Ion 45.00 (44.70 to 45.70): VU034023.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034023.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034023.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034023.D (-671) (-)





#23

Vinyl Acetate

Concen: 257.201 ug/l

RT: 3.50 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

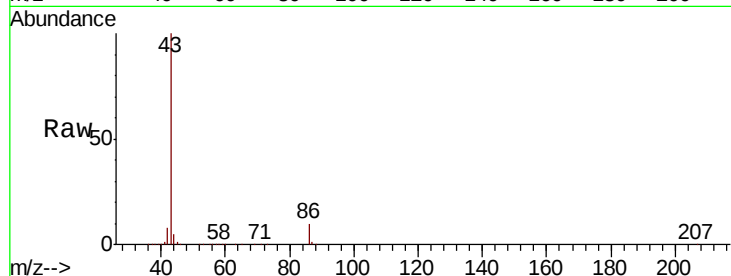
VSTDCCC050

Tgt Ion: 43 Resp: 3463306

Ion Ratio Lower Upper

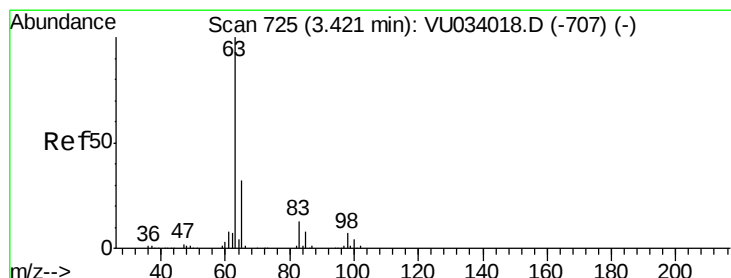
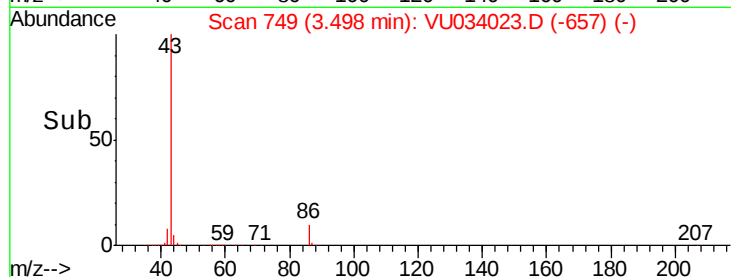
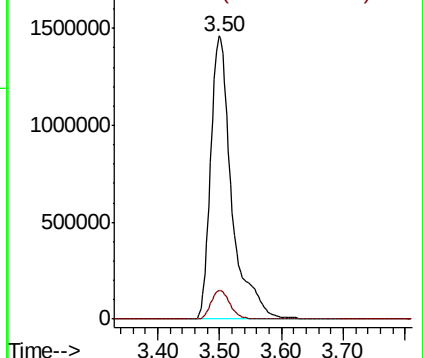
43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)



#24

1,1-Dichloroethane

Concen: 48.929 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

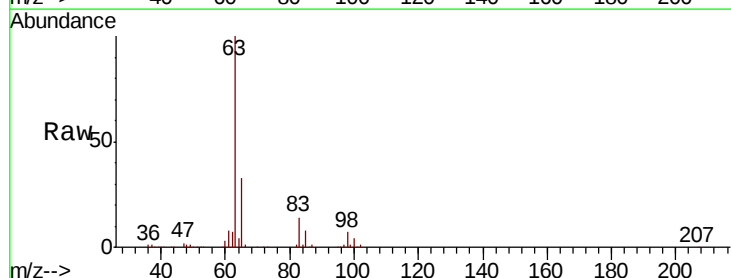
Tgt Ion: 63 Resp: 452804

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

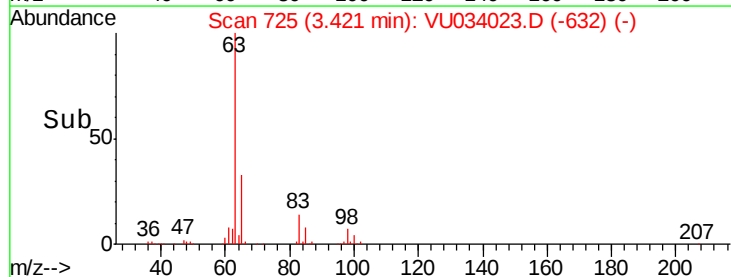
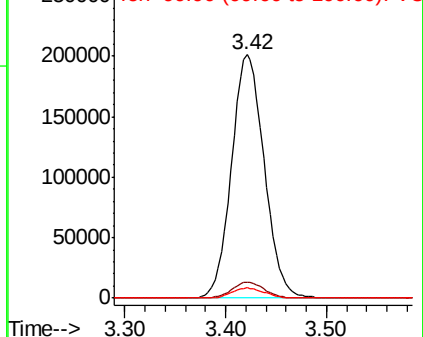
100 4.2 2.0 6.0

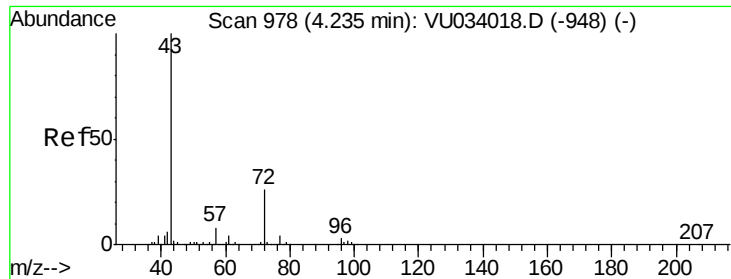


Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)





#25

2-Butanone

Concen: 256.267 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

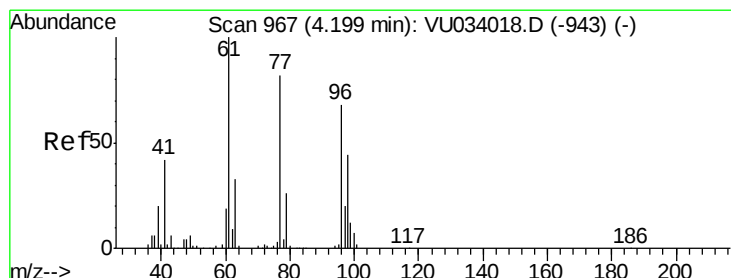
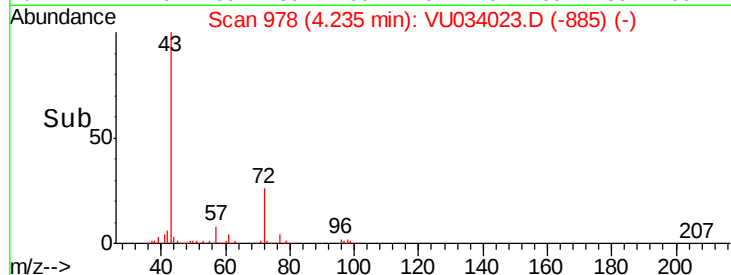
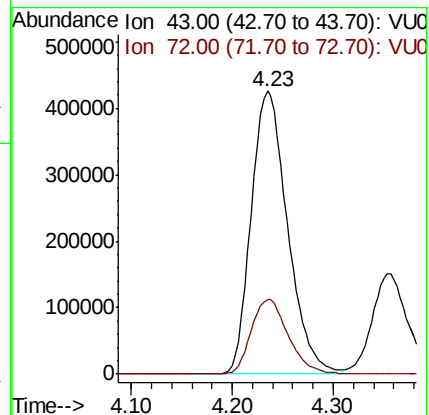
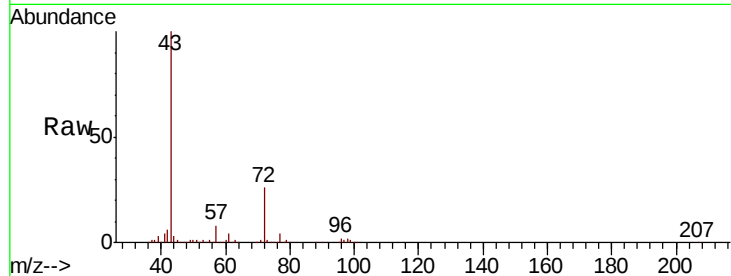
VSTDCCC050

Tgt Ion: 43 Resp: 1059390

Ion Ratio Lower Upper

43 100

72 26.4 21.2 31.8



#26

2,2-Dichloropropane

Concen: 49.522 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034023.D

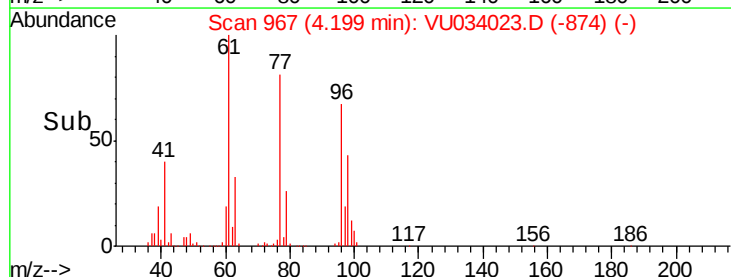
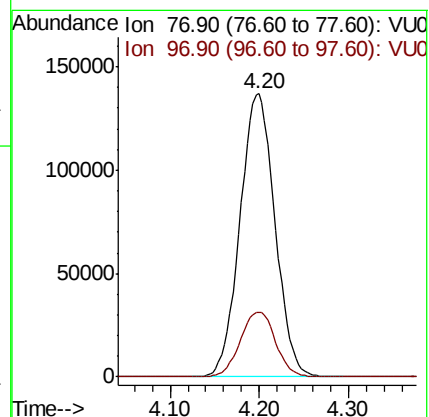
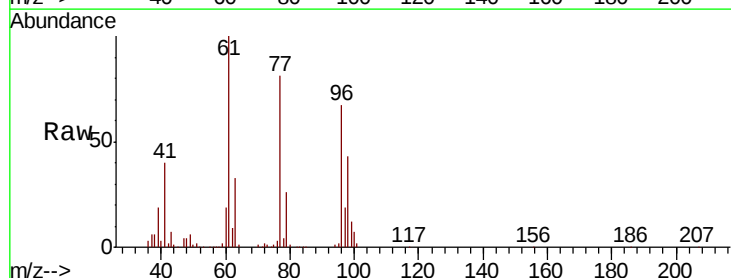
Acq: 28 Aug 2019 14:52

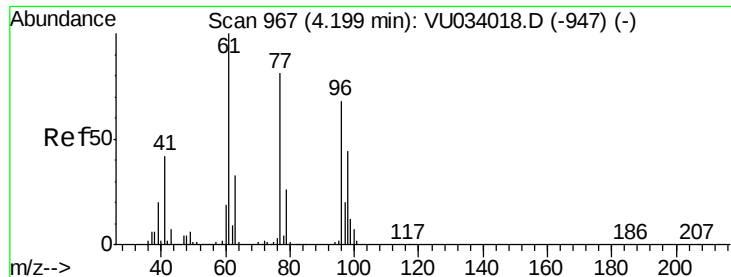
Tgt Ion: 77 Resp: 372913

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



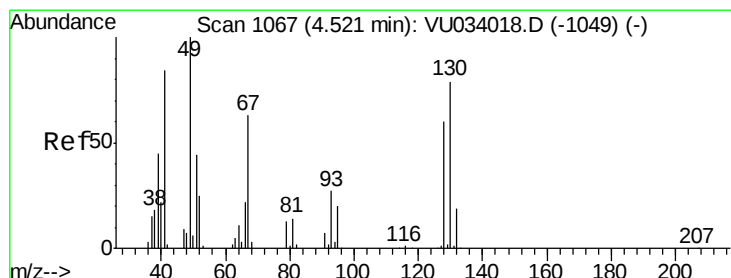
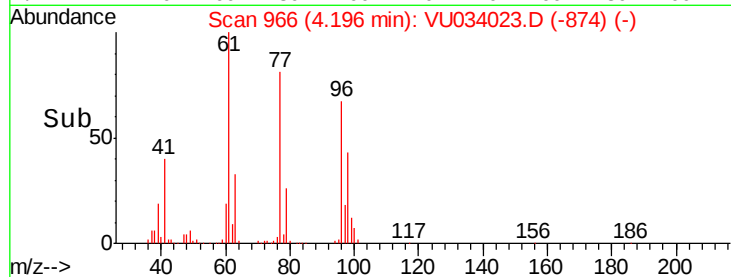
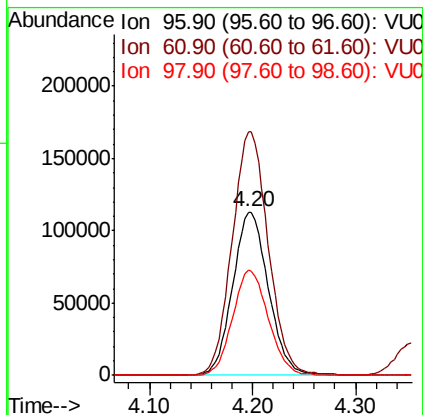
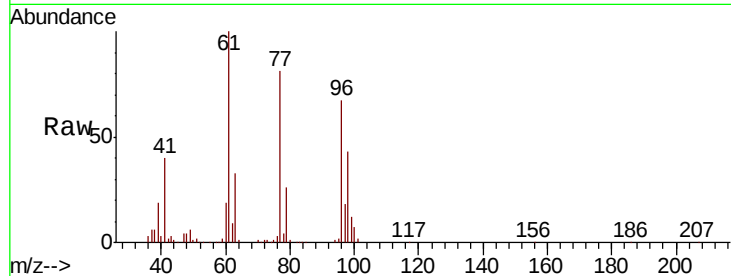


#27

cis-1,2-Dichloroethene  
 Concen: 49.092 ug/l  
 RT: 4.20 min Scan# 966  
 Delta R.T. -0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

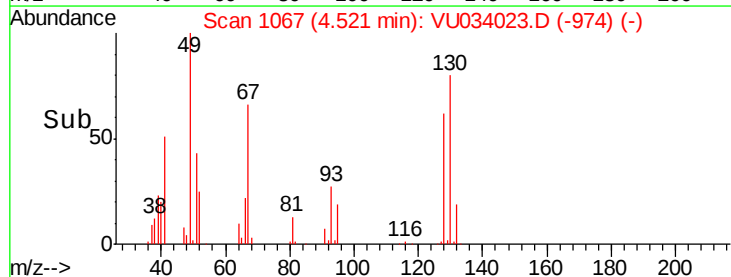
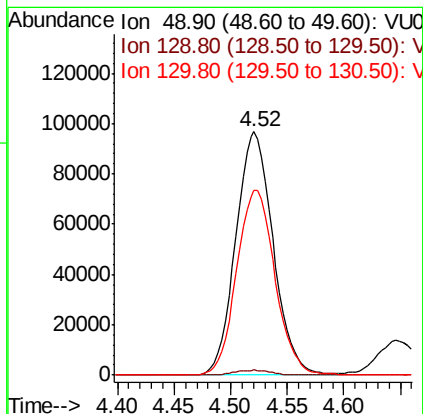
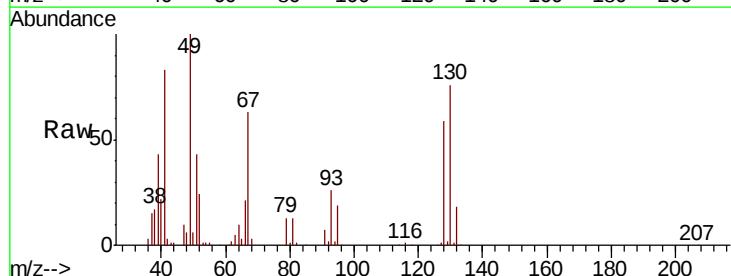
Tgt Ion: 96 Resp: 272079  
 Ion Ratio Lower Upper  
 96 100  
 61 151.3 0.0 303.0  
 98 64.8 0.0 129.2

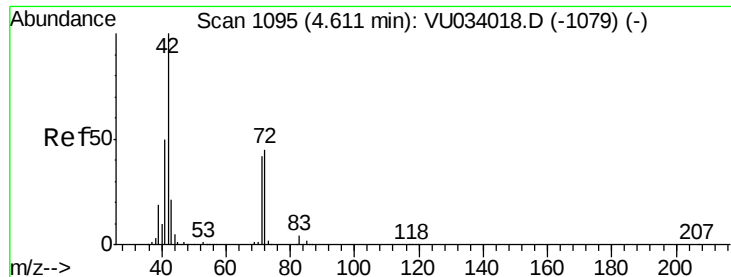


#28

Bromochloromethane  
 Concen: 48.857 ug/l  
 RT: 4.52 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 49 Resp: 222759  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 3.6  
 130 78.0 62.8 94.2

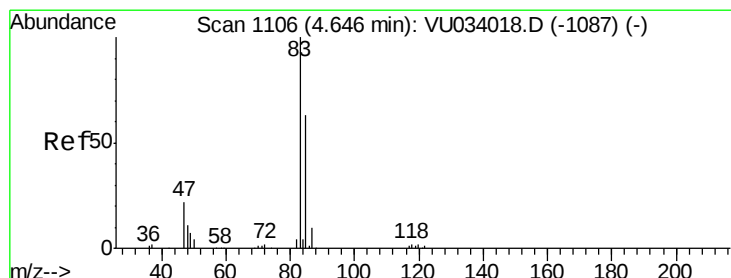
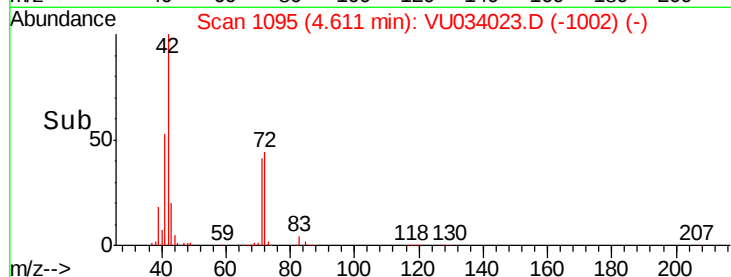
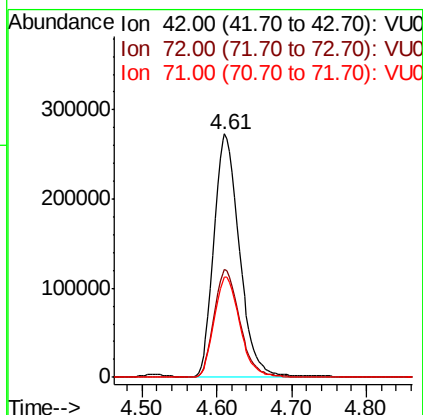
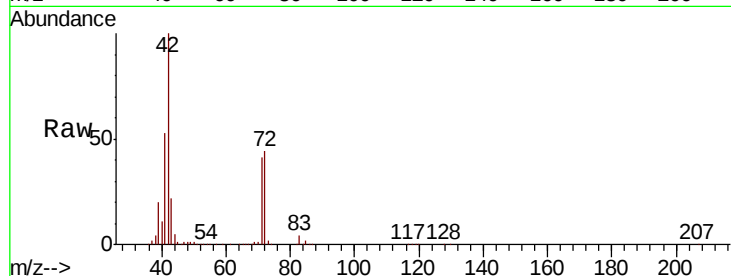




#29  
Tetrahydrofuran  
Concen: 253.573 ug/l  
RT: 4.61 min Scan# 1095  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

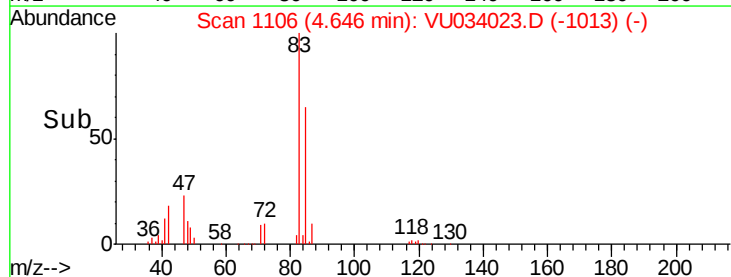
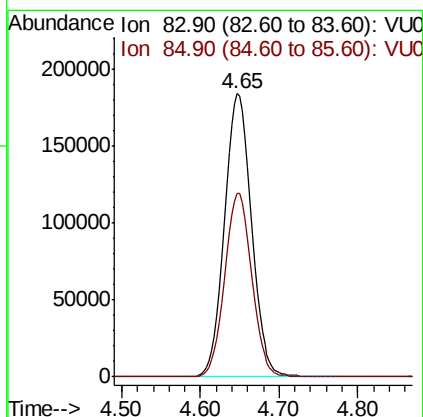
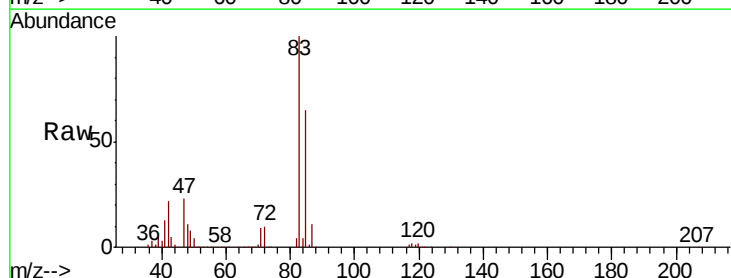
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

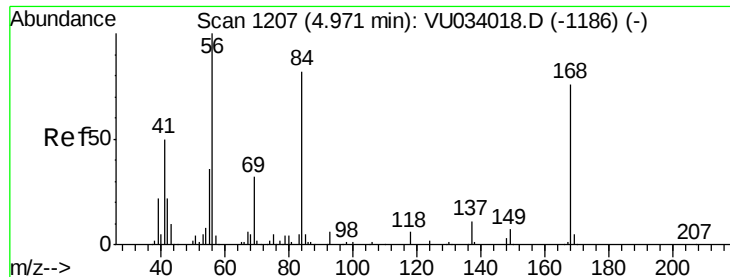
Tgt Ion: 42 Resp: 646456  
Ion Ratio Lower Upper  
42 100  
72 44.7 35.8 53.6  
71 42.0 34.0 51.0



#30  
Chloroform  
Concen: 47.260 ug/l  
RT: 4.65 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 83 Resp: 436373  
Ion Ratio Lower Upper  
83 100  
85 65.0 50.7 76.1

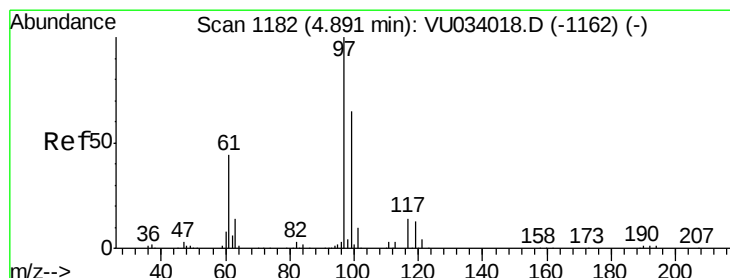
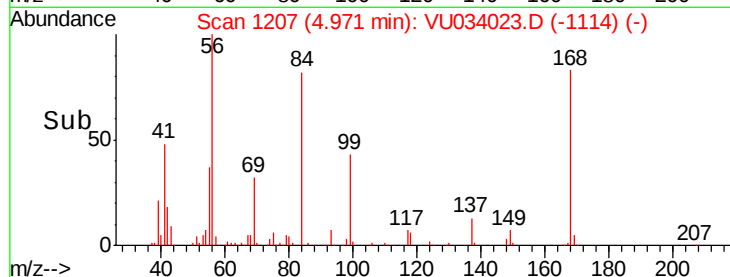
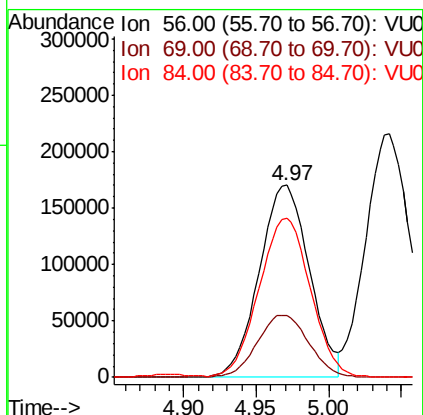
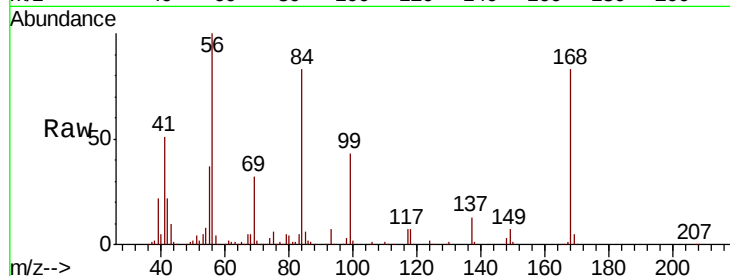




#31  
Cyclohexane  
Concen: 47.161 ug/l  
RT: 4.97 min Scan# 1207  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

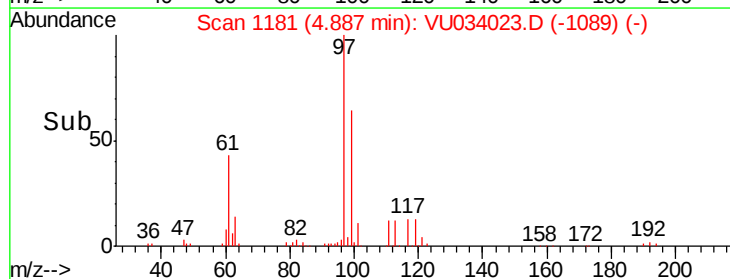
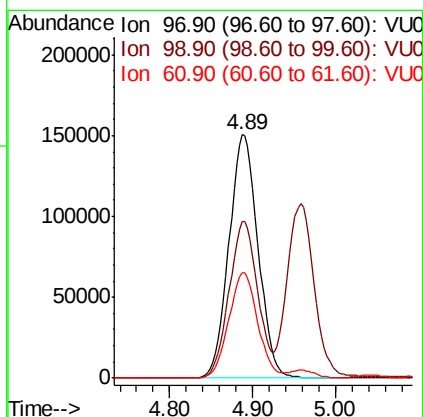
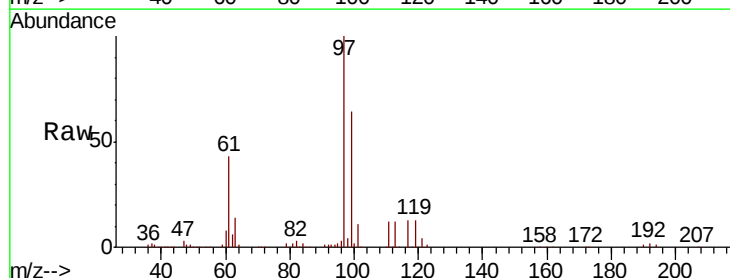
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

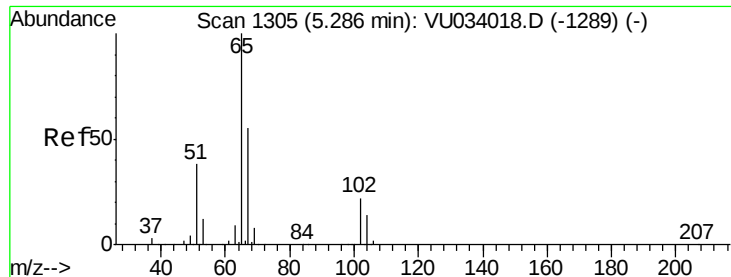
Tgt Ion: 56 Resp: 410109  
Ion Ratio Lower Upper  
56 100  
69 31.9 25.4 38.0  
84 82.2 65.8 98.8



#32  
1,1,1-Trichloroethane  
Concen: 48.470 ug/l  
RT: 4.89 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 97 Resp: 366539  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.8 77.6  
61 43.3 35.3 52.9

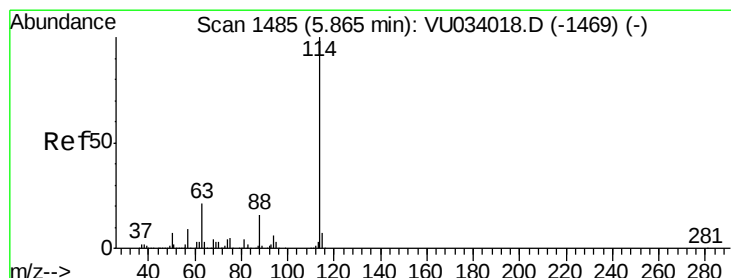
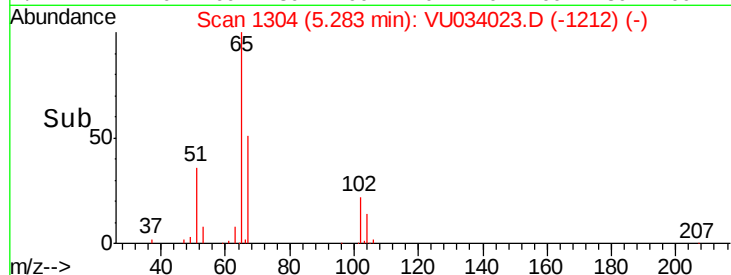
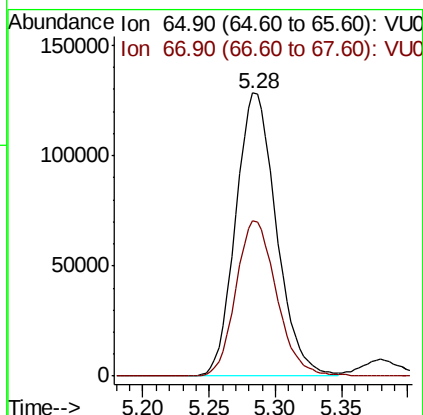
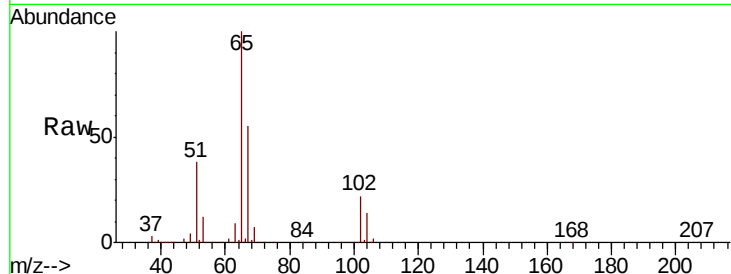




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.018 ug/l  
 RT: 5.28 min Scan# 1304  
 Delta R.T. -0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

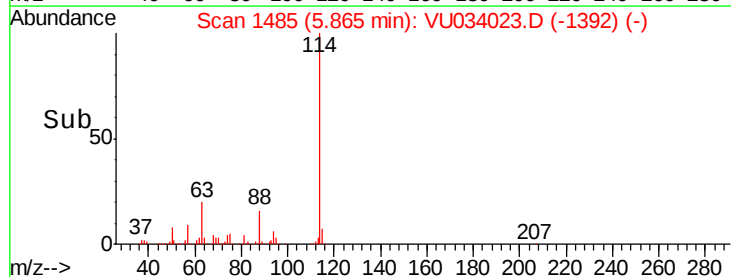
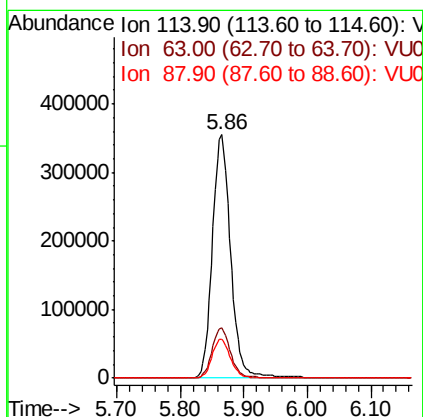
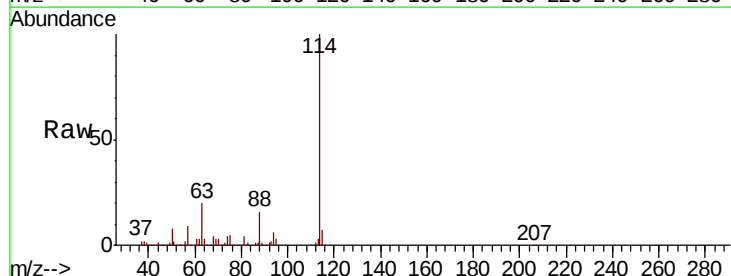
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

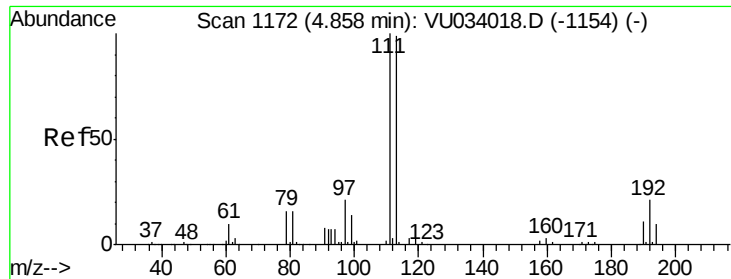
Tgt Ion: 65 Resp: 273802  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 114 Resp: 711590  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 42.0  
 88 16.2 0.0 32.0

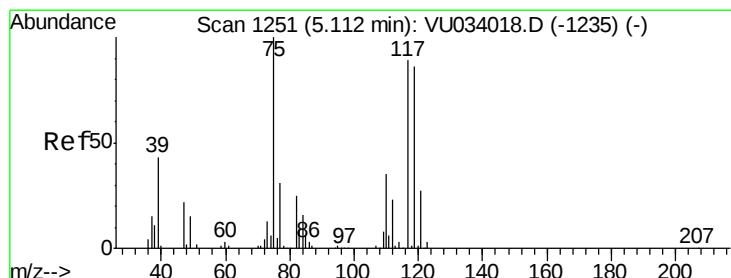
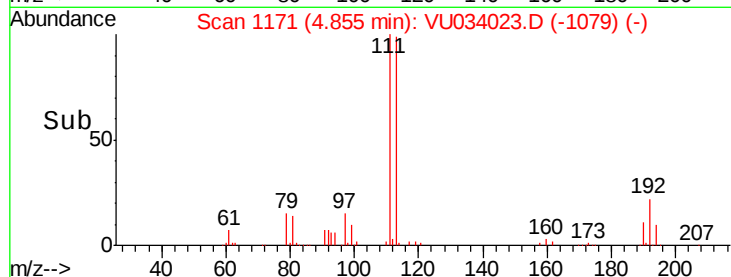
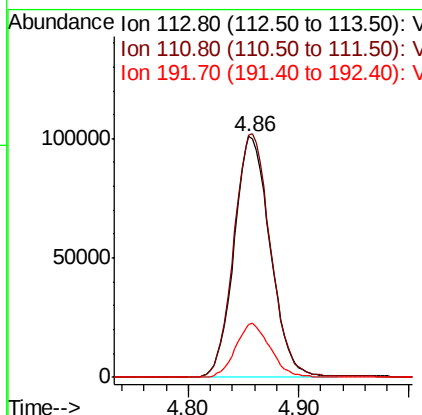
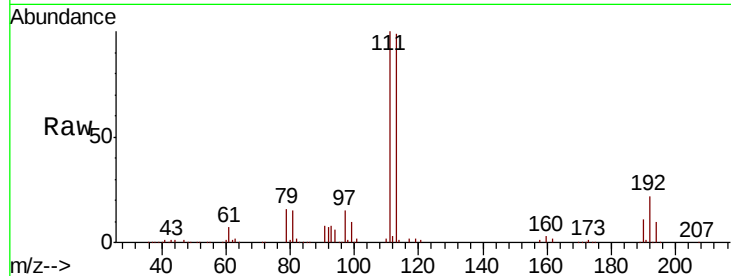




#35  
 Dibromofluoromethane  
 Concen: 46.430 ug/l  
 RT: 4.86 min Scan# 1171  
 Delta R.T. -0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

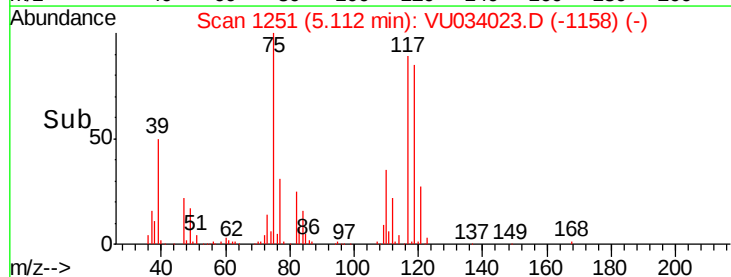
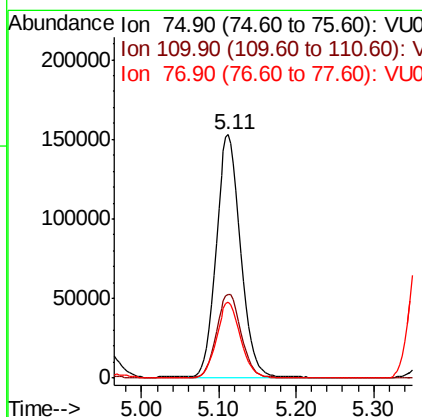
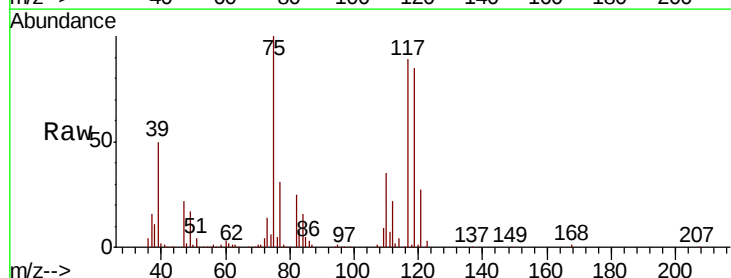
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

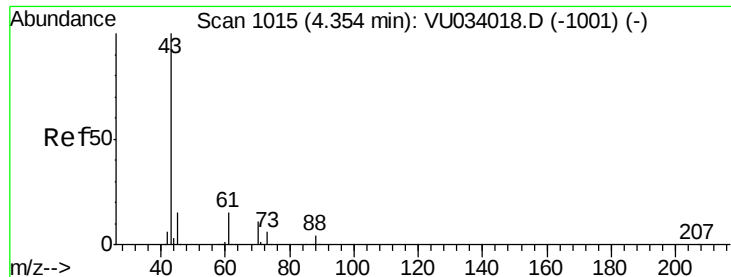
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.7  | 122.5 |
| 192     | 21.6  | 17.1  | 25.7  |



#36  
 1,1-Dichloropropene  
 Concen: 49.887 ug/l  
 RT: 5.11 min Scan# 1251  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.5  | 17.8  | 53.5  |
| 77      | 30.4  | 25.0  | 37.4  |

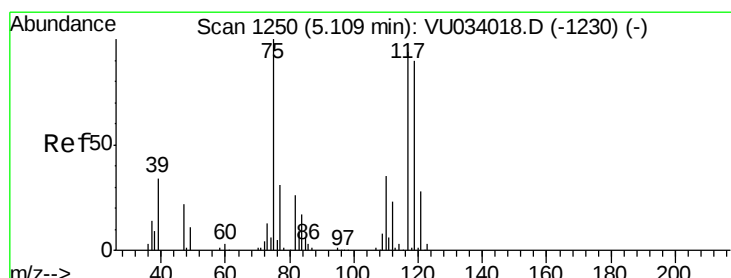
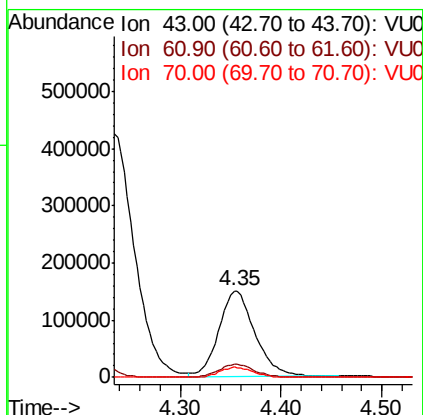
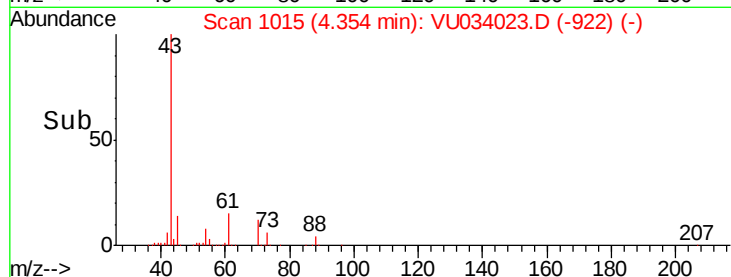
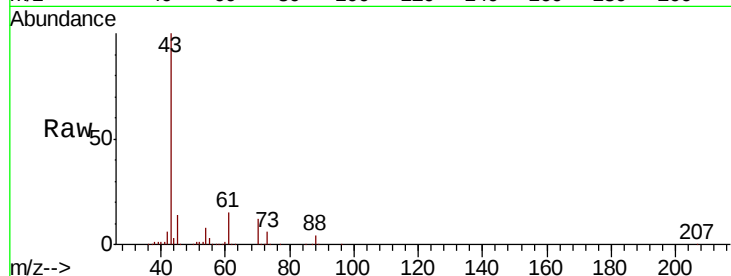




#37  
 Ethyl Acetate  
 Concen: 49.306 ug/l  
 RT: 4.35 min Scan# 1015  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

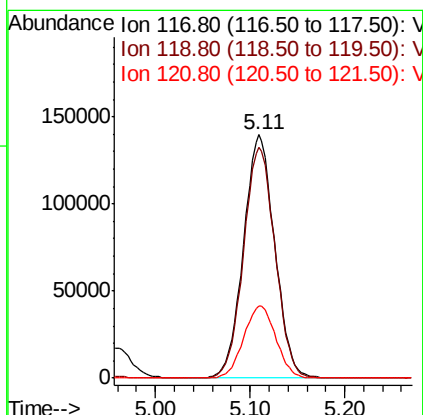
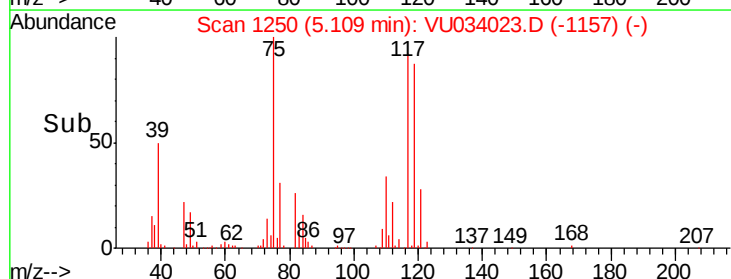
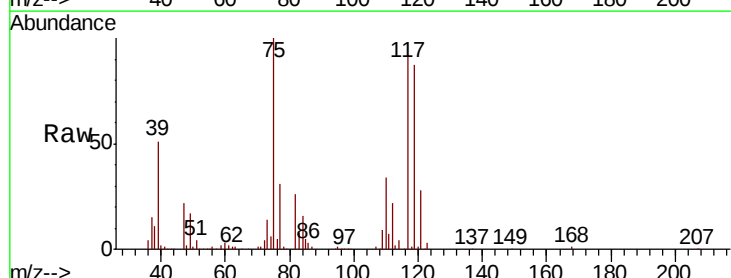
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

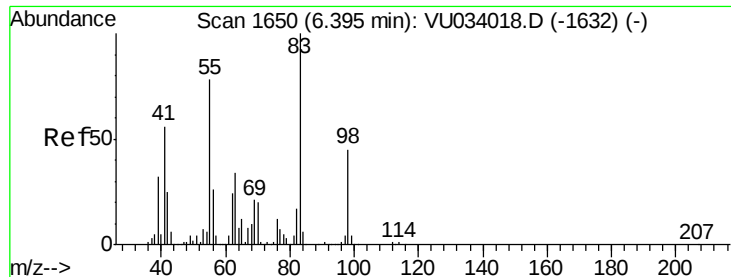
Tgt Ion: 43 Resp: 371633  
 Ion Ratio Lower Upper  
 43 100  
 61 14.6 11.5 17.3  
 70 11.2 8.6 12.8



#38  
 Carbon Tetrachloride  
 Concen: 49.111 ug/l  
 RT: 5.11 min Scan# 1250  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 117 Resp: 319067  
 Ion Ratio Lower Upper  
 117 100  
 119 94.7 77.0 115.4  
 121 29.8 23.9 35.9

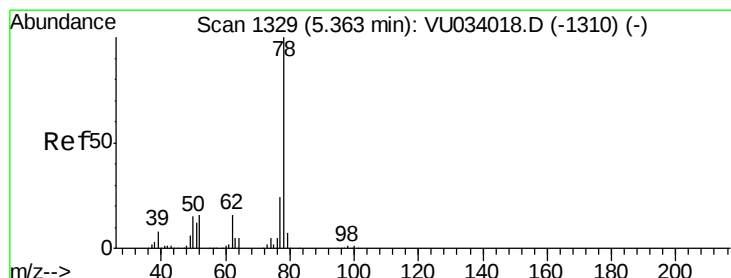
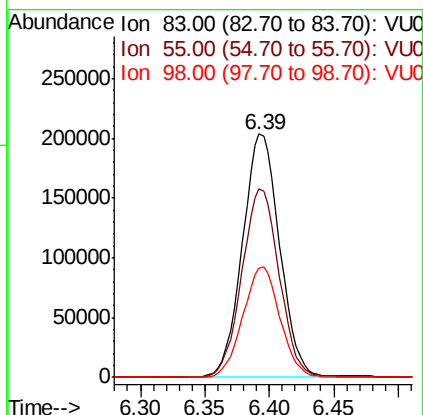
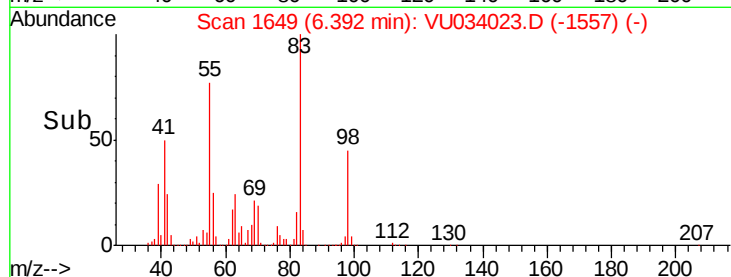
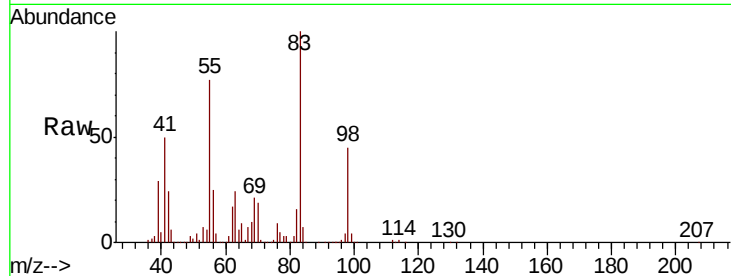




#39  
Methylcyclohexane  
Concen: 51.558 ug/l  
RT: 6.39 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

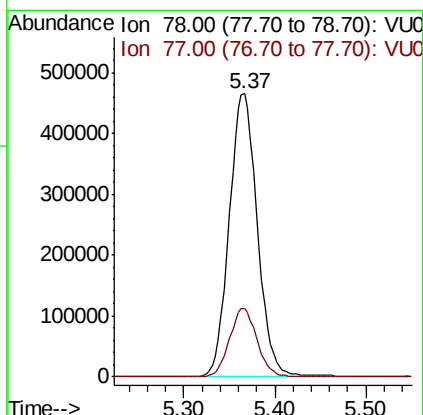
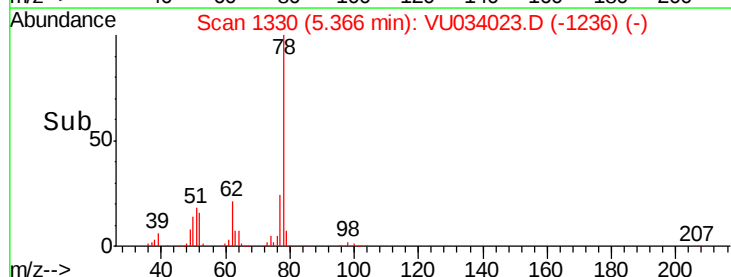
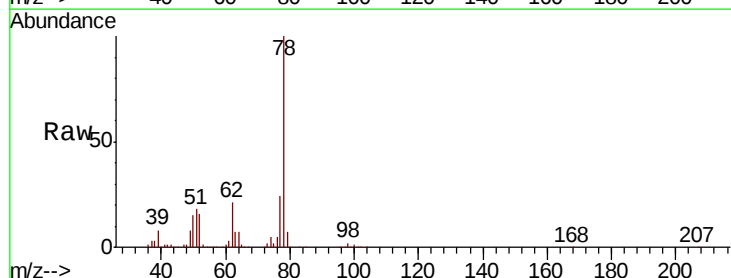
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

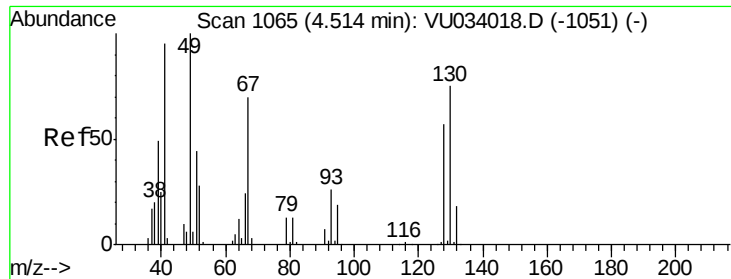
Tgt Ion: 83 Resp: 409015  
Ion Ratio Lower Upper  
83 100  
55 77.4 62.3 93.5  
98 44.9 36.2 54.2



#40  
Benzene  
Concen: 49.017 ug/l  
RT: 5.37 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 78 Resp: 998185  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.0 28.6

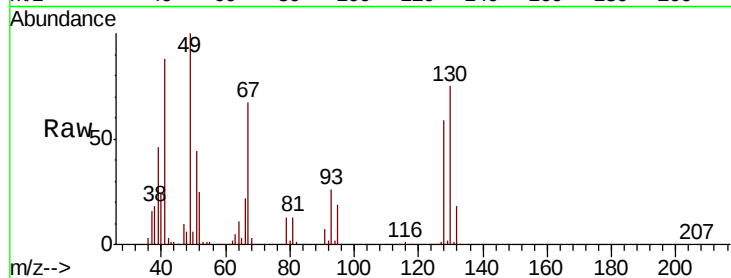




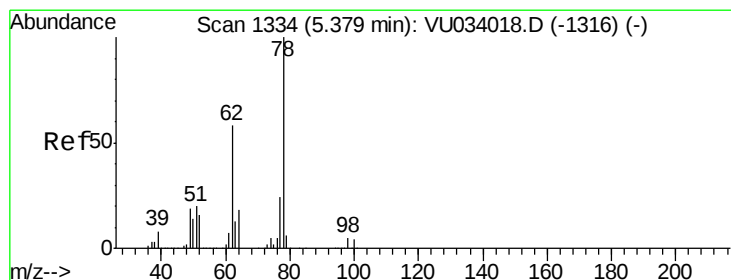
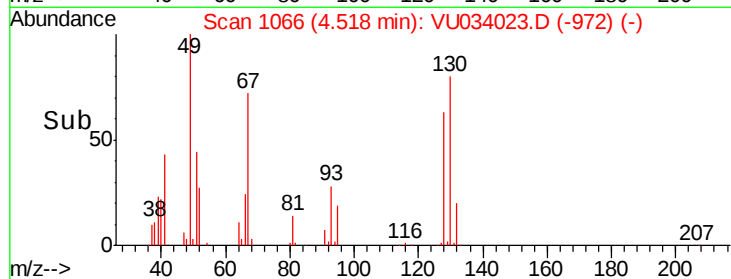
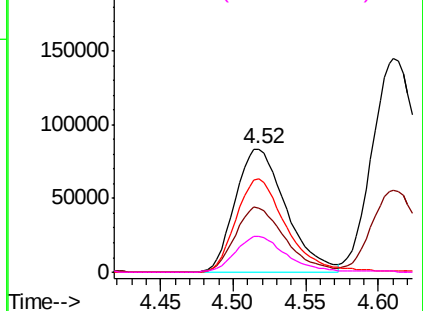
#41  
Methacrylonitrile  
Concen: 52.546 ug/l  
RT: 4.52 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 203117 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 52.0  | 42.1  | 63.1   |
| 67       | 75.6  | 61.0  | 91.4   |
| 52       | 29.0  | 23.3  | 34.9   |

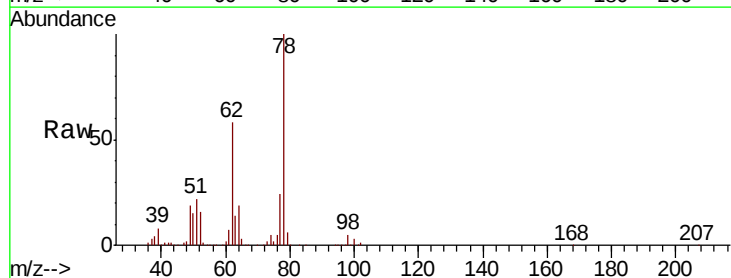


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

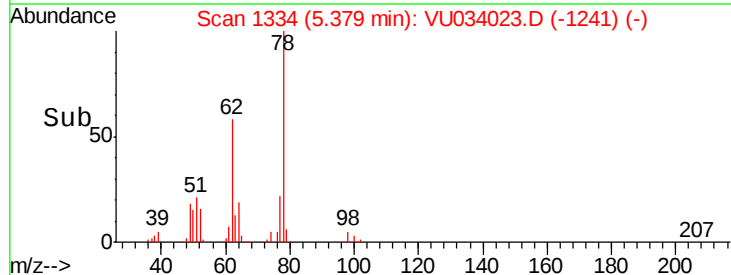
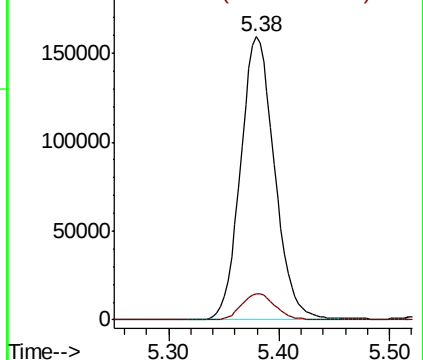


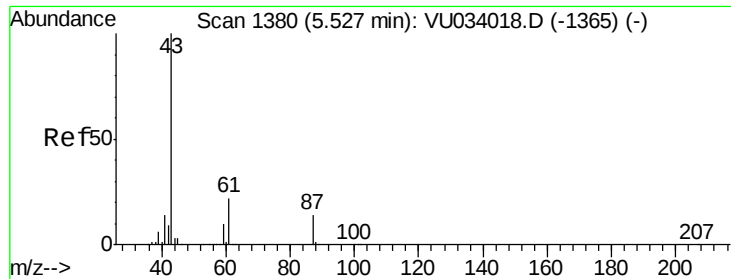
#42  
1,2-Dichloroethane  
Concen: 48.404 ug/l  
RT: 5.38 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 340382 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.2   | 0.0   | 18.2   |



Abundance Ion 61.90 (61.60 to 62.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0

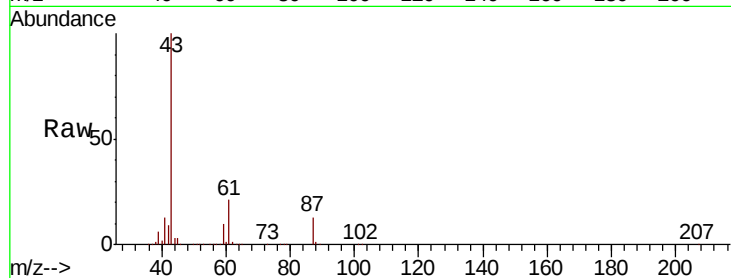




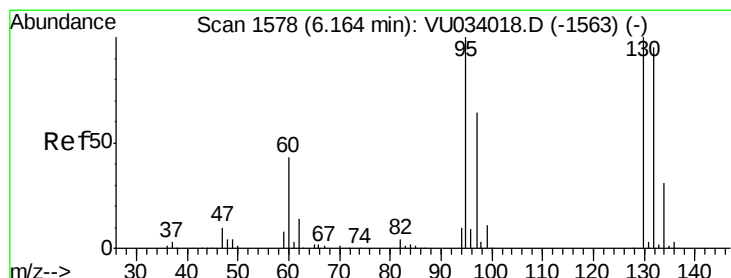
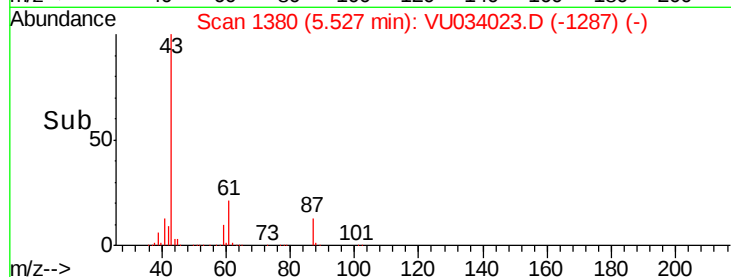
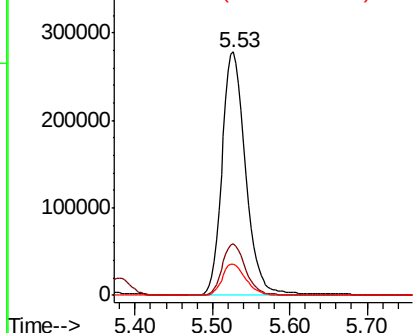
#43  
Isopropyl Acetate  
Concen: 51.149 ug/l  
RT: 5.53 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 586513  
Ion Ratio Lower Upper  
43 100  
61 21.0 17.2 25.8  
87 13.1 10.8 16.2

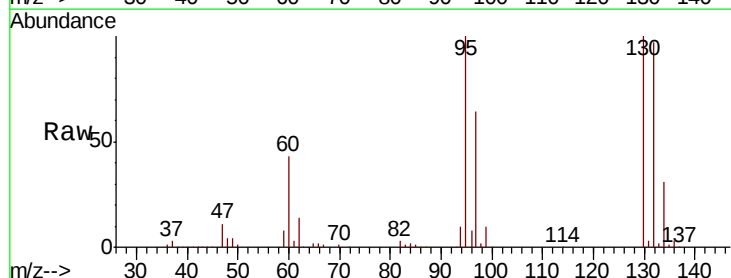


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0

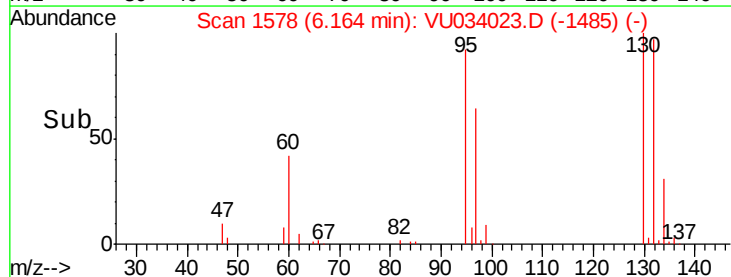
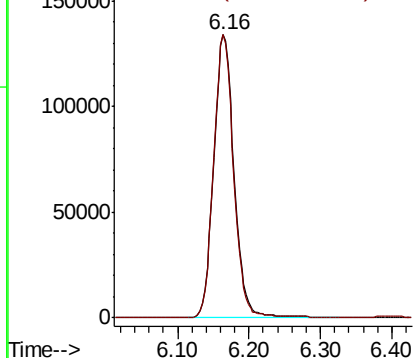


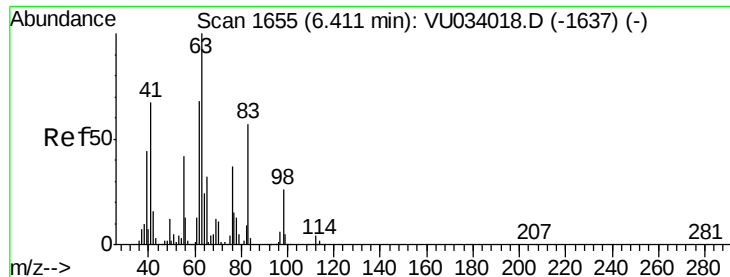
#44  
Trichloroethene  
Concen: 49.629 ug/l  
RT: 6.16 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 130 Resp: 265397  
Ion Ratio Lower Upper  
130 100  
95 99.9 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 49.970 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

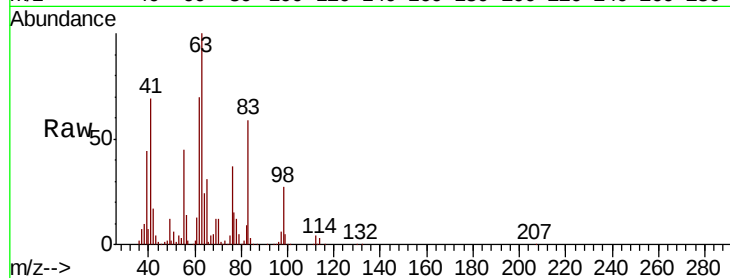
VSTDCCC050

Tgt Ion: 63 Resp: 280121

Ion Ratio Lower Upper

63 100

65 31.3 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU034018.D (-1637) (-)

6.41

150000

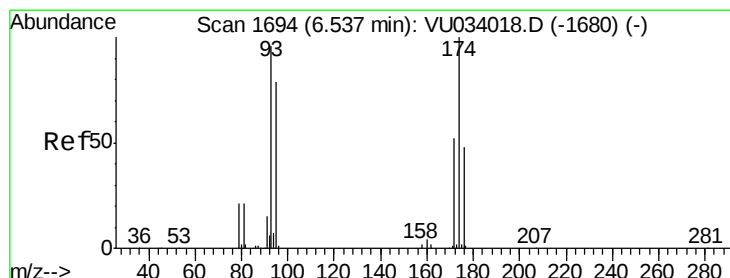
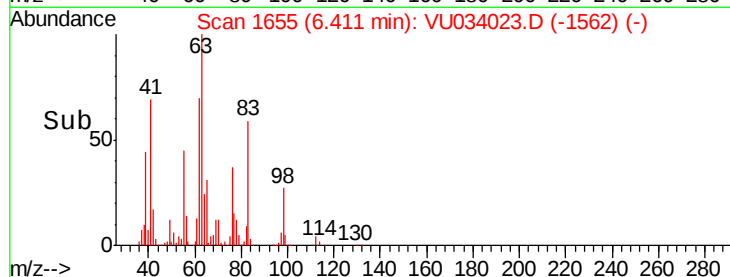
100000

50000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 49.443 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

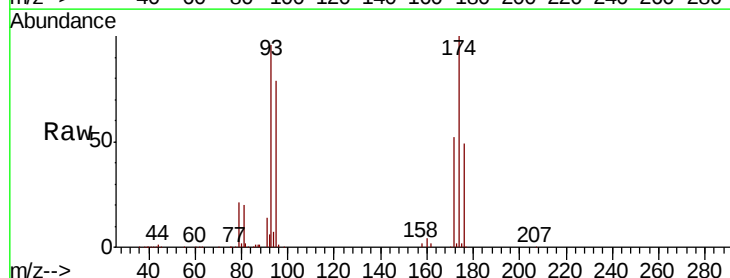
Tgt Ion: 93 Resp: 178565

Ion Ratio Lower Upper

93 100

95 81.7 66.7 100.1

174 104.6 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034018.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034018.D (-1680) (-)

6.54

120000

100000

80000

60000

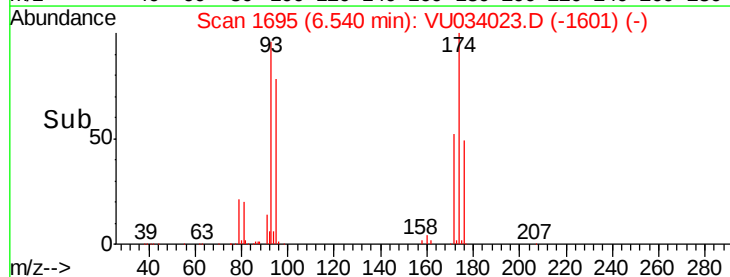
40000

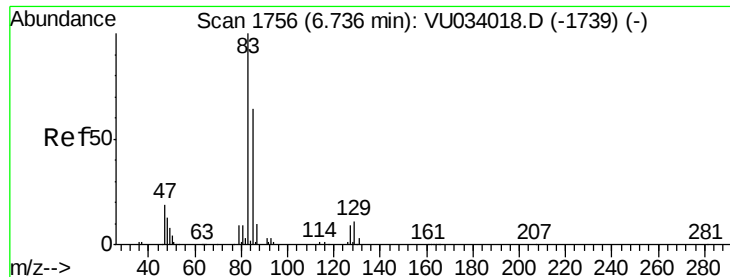
20000

0

6.50 6.60

Time-->





#47

Bromodichloromethane

Concen: 49.281 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

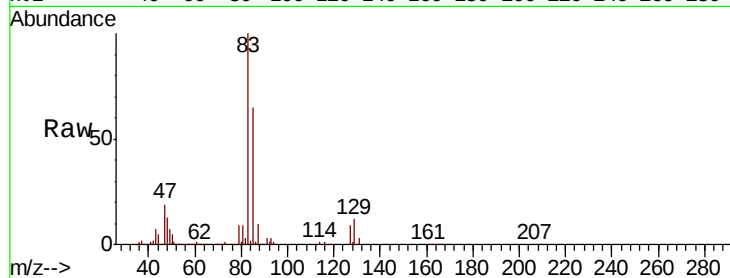
Tgt Ion: 83 Resp: 348214

Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8

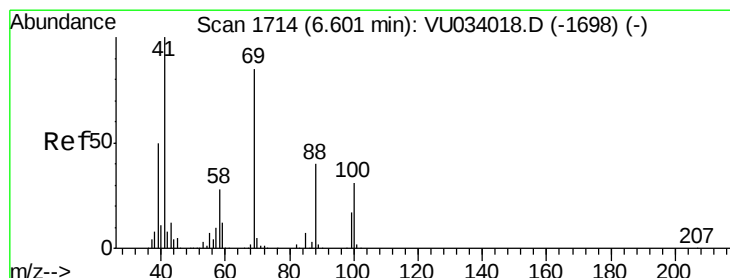
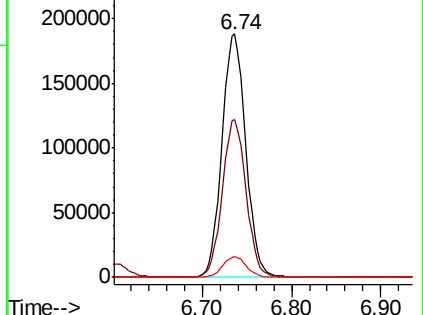
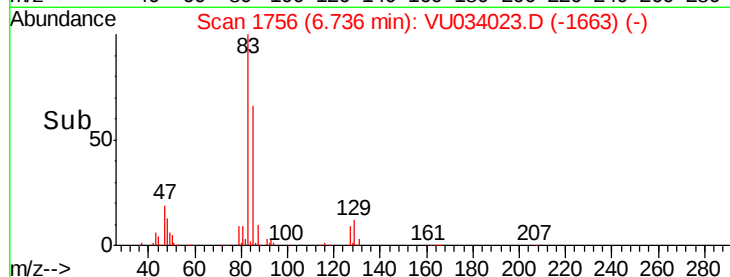
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034023.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034023.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034023.D (-1663) (-)



#48

Methyl methacrylate

Concen: 51.075 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

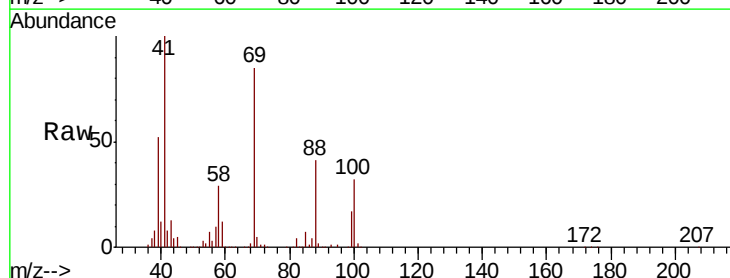
Tgt Ion: 41 Resp: 282610

Ion Ratio Lower Upper

41 100

69 88.6 69.5 104.3

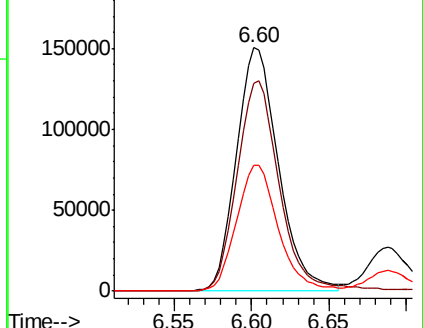
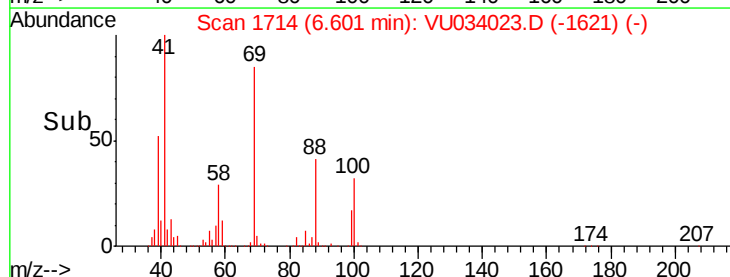
39 51.2 40.3 60.5

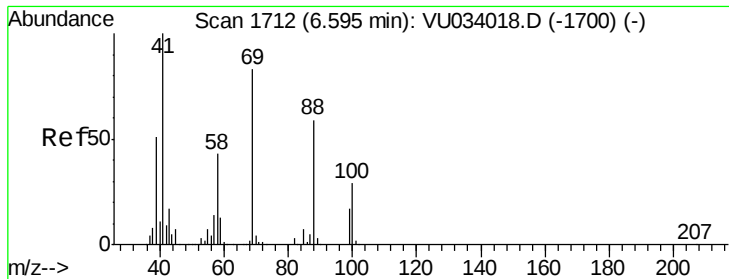


Abundance Ion 41.00 (40.70 to 41.70): VU034023.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034023.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034023.D (-1621) (-)

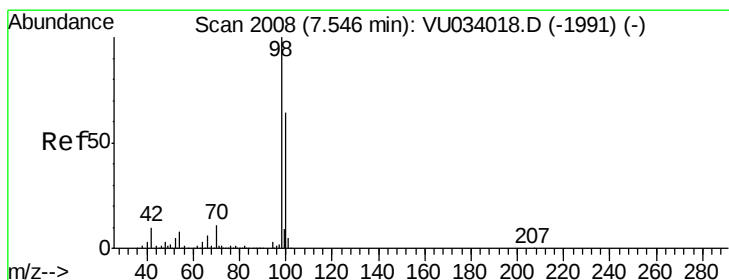
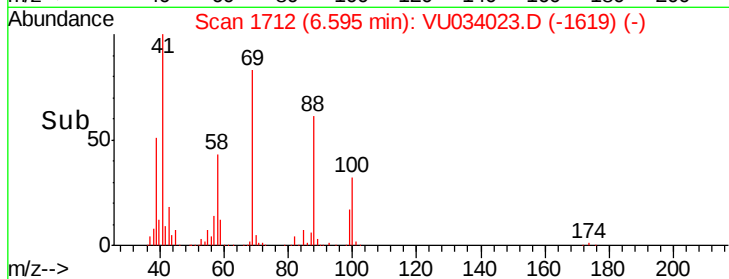
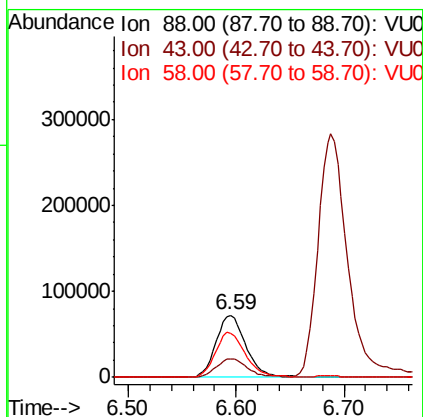
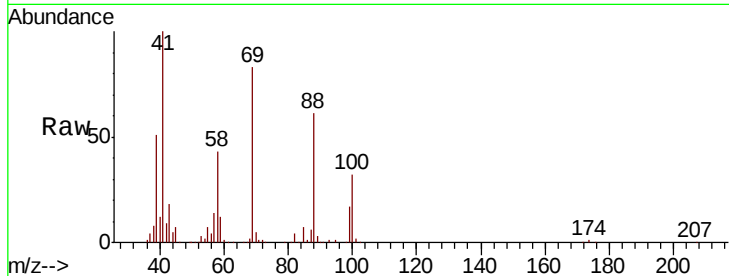




#49  
 1,4-Dioxane  
 Concen: 998.414 ug/l  
 RT: 6.59 min Scan# 1712  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

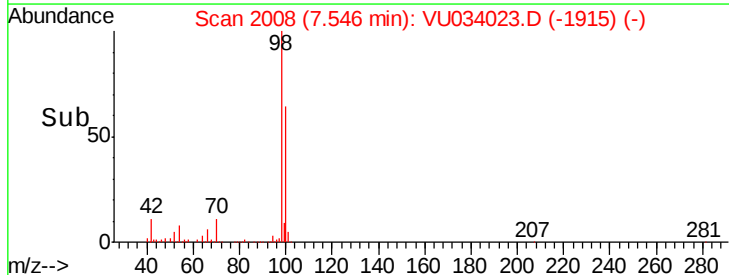
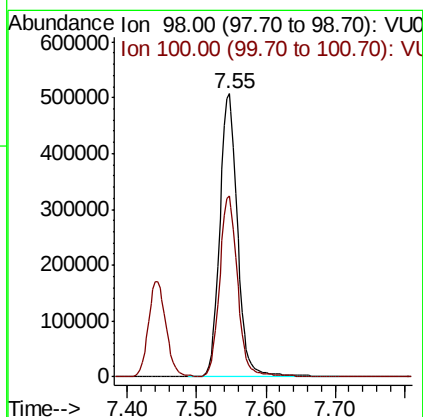
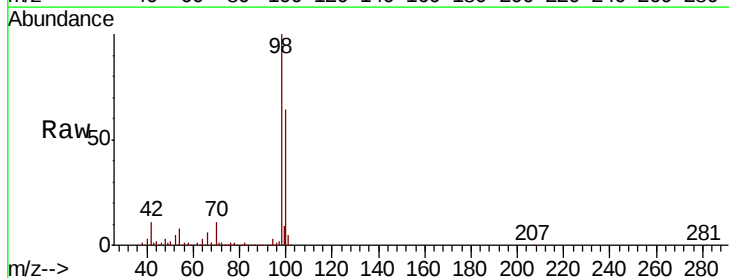
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

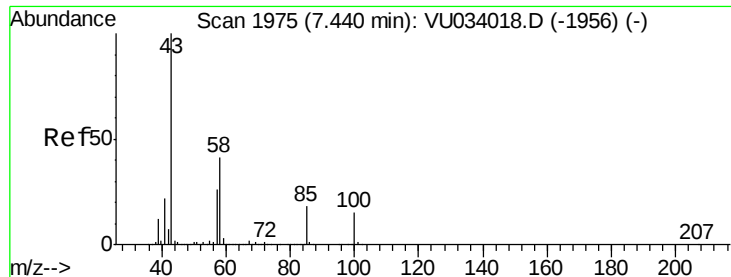
Tgt Ion: 88 Resp: 138420  
 Ion Ratio Lower Upper  
 88 100  
 43 30.0 24.8 37.2  
 58 73.2 59.3 88.9



#50  
 Toluene-d8  
 Concen: 48.870 ug/l  
 RT: 7.55 min Scan# 2008  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 98 Resp: 903135  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 249.773 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

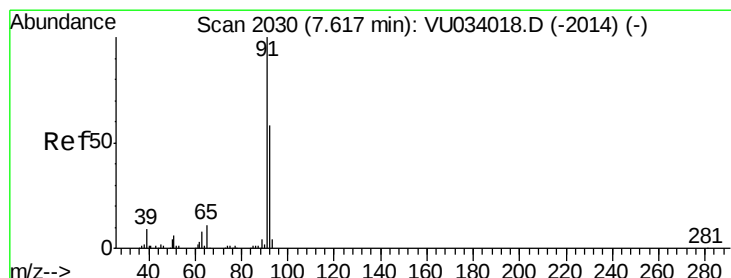
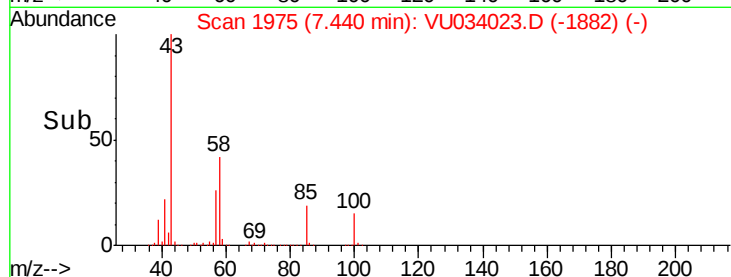
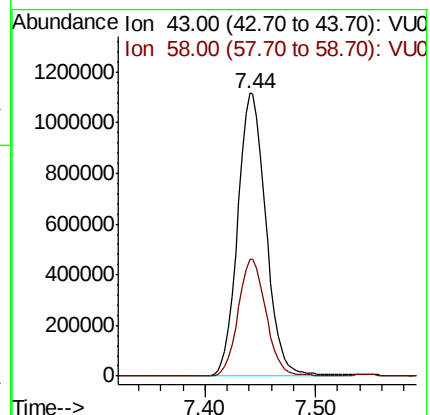
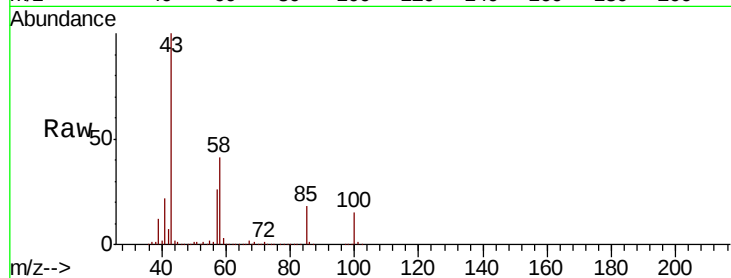
VSTDCCC050

Tgt Ion: 43 Resp: 1977955

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



#52

Toluene

Concen: 50.825 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034023.D

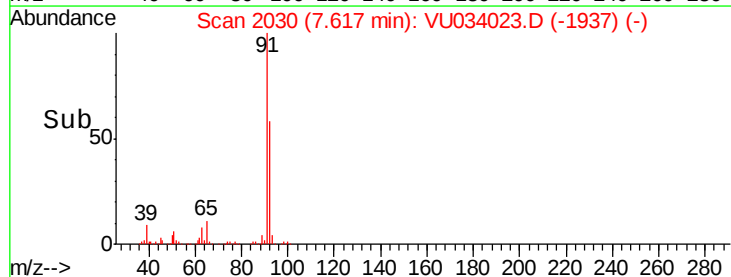
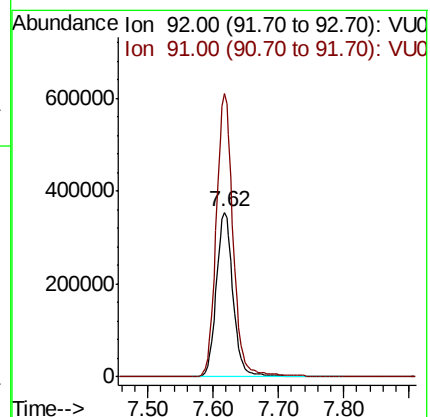
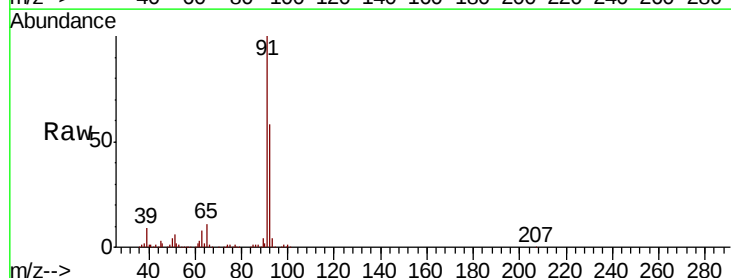
Acq: 28 Aug 2019 14:52

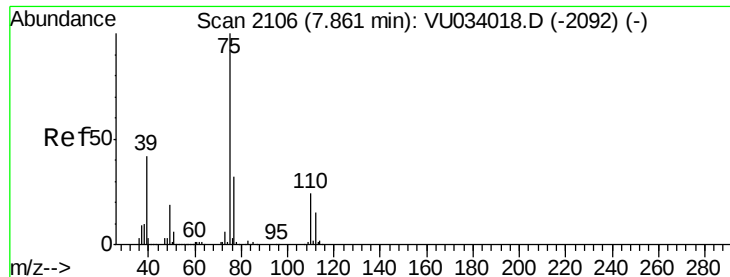
Tgt Ion: 92 Resp: 637584

Ion Ratio Lower Upper

92 100

91 172.2 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 50.788 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

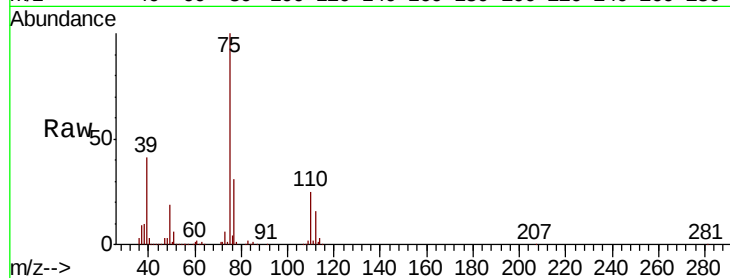
VSTDCCC050

Tgt Ion: 75 Resp: 398196

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU034023.D (-2013) (-)

Ion 76.90 (76.60 to 77.60): VU034023.D (-2013) (-)

7.86

250000

200000

150000

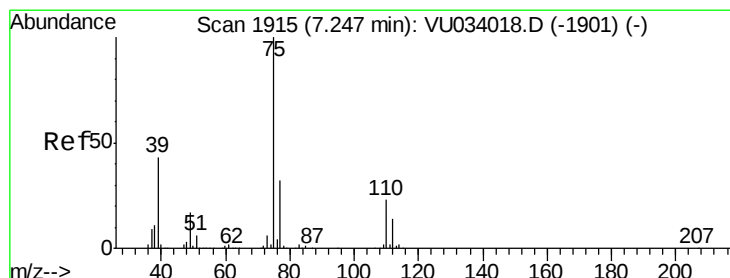
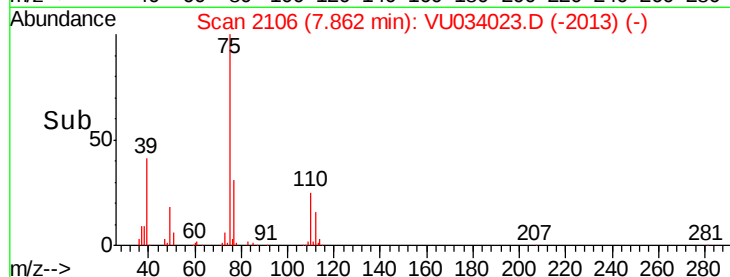
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.784 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

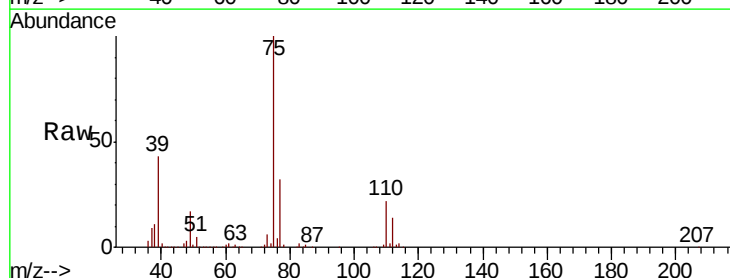
Tgt Ion: 75 Resp: 434993

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 43.1 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU034023.D (-1822) (-)

Ion 76.90 (76.60 to 77.60): VU034023.D (-1822) (-)

Ion 39.00 (38.70 to 39.70): VU034023.D (-1822) (-)

7.25

300000

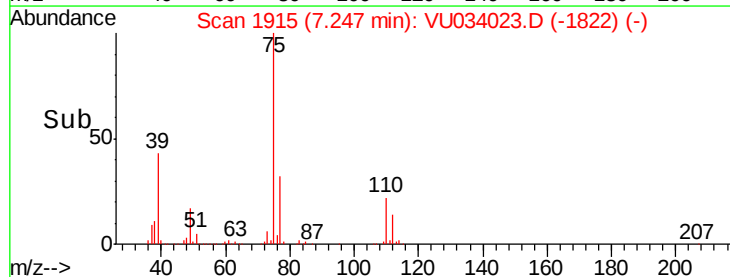
200000

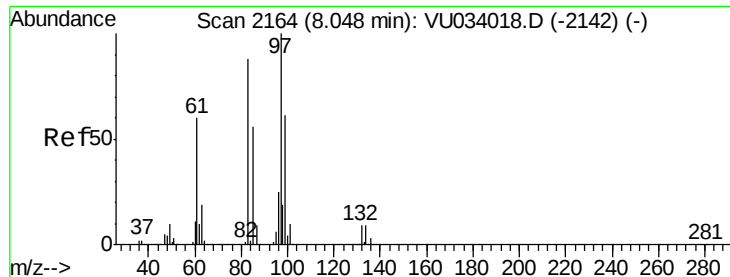
100000

0

7.15 7.20 7.25 7.30 7.35

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.364 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 256634

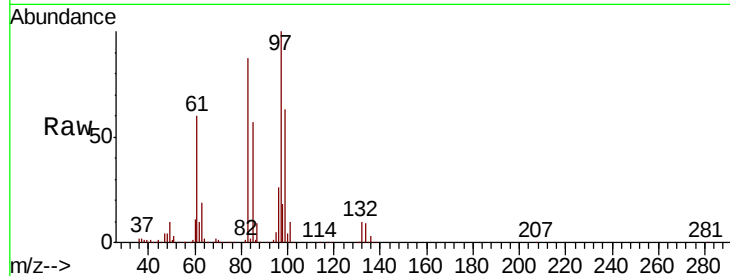
Ion Ratio Lower Upper

97 100

83 87.5 70.1 105.1

85 56.8 45.0 67.4

99 62.7 49.8 74.8

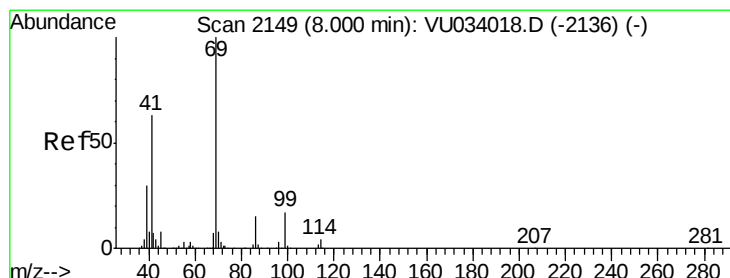
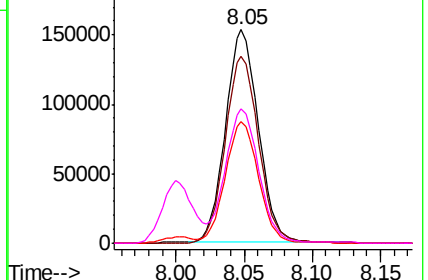
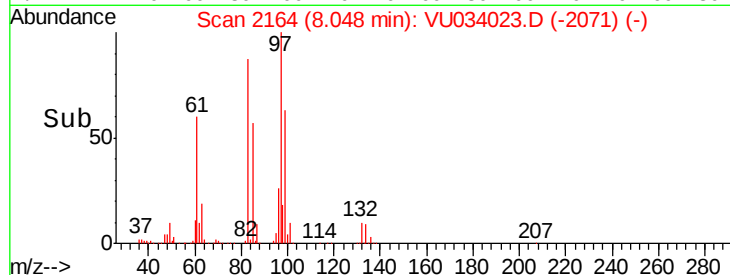


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 47.297 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

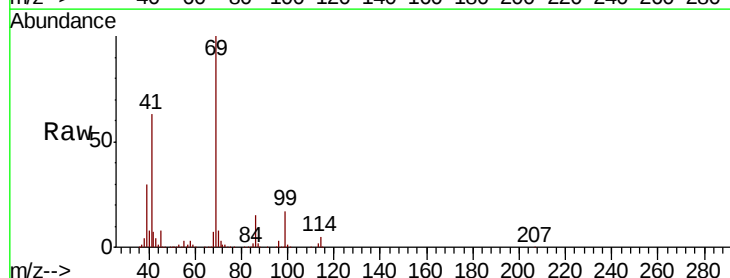
Tgt Ion: 69 Resp: 415823

Ion Ratio Lower Upper

69 100

41 64.7 50.7 76.1

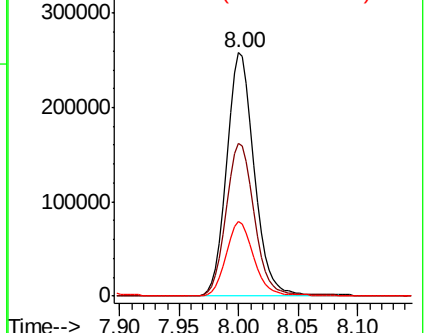
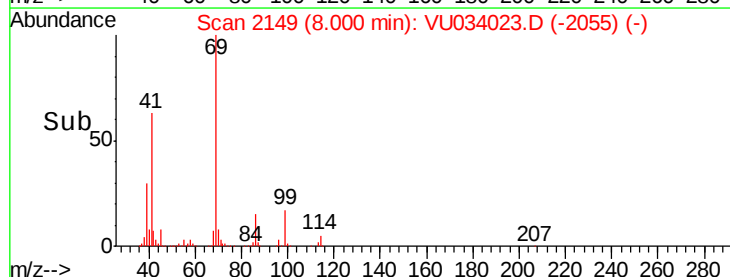
39 30.4 24.2 36.2

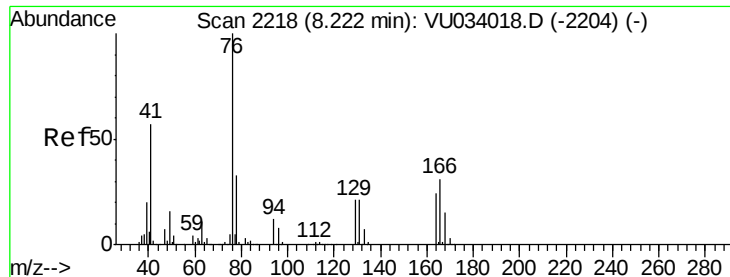


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

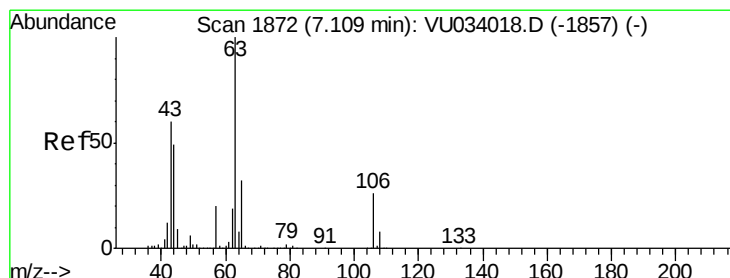
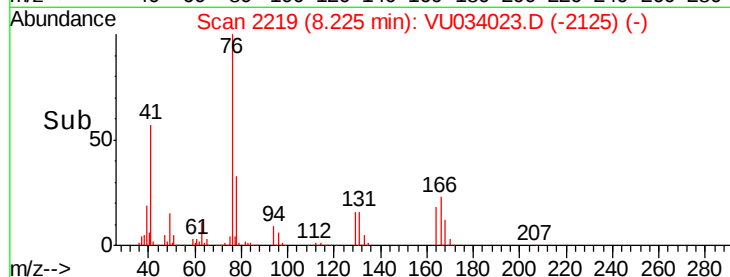
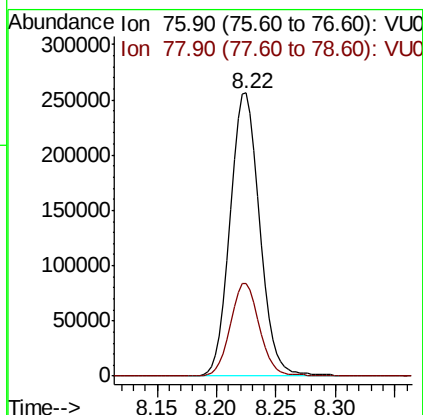
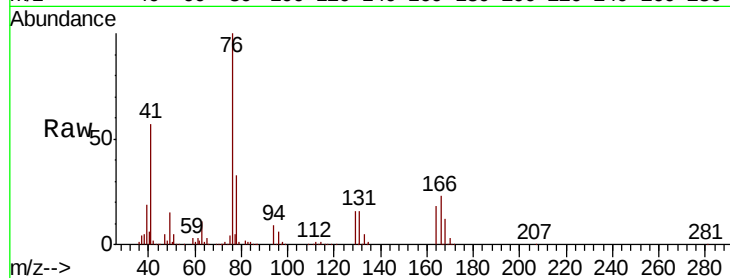




#57  
 1,3-Dichloropropane  
 Concen: 49.203 ug/l  
 RT: 8.22 min Scan# 2219  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

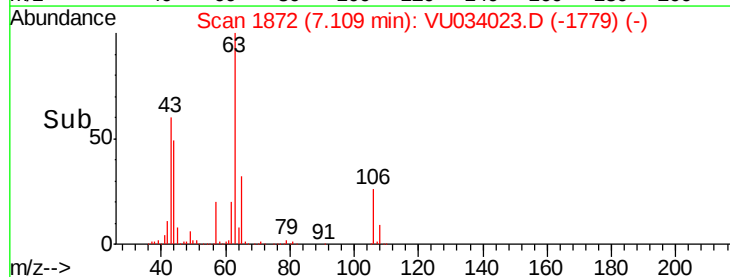
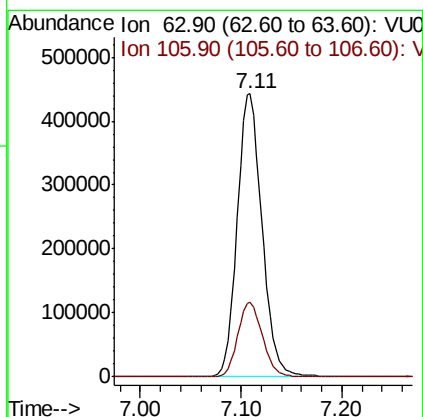
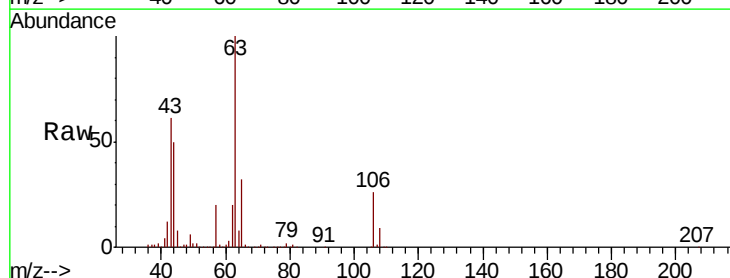
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

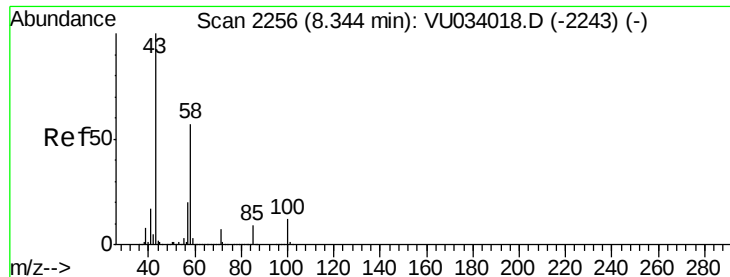
Tgt Ion: 76 Resp: 443313  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 26.2 39.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 256.786 ug/l  
 RT: 7.11 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 63 Resp: 753820  
 Ion Ratio Lower Upper  
 63 100  
 106 26.3 20.7 31.1

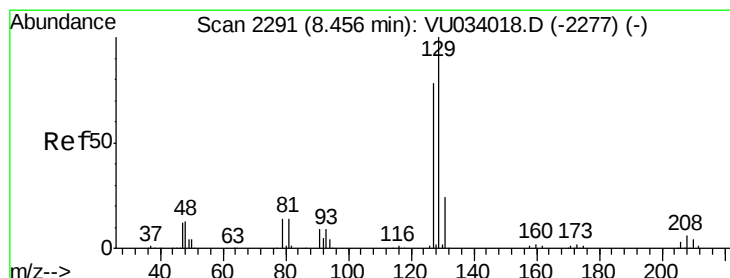
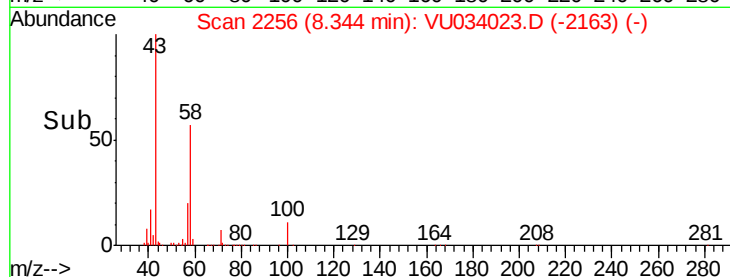
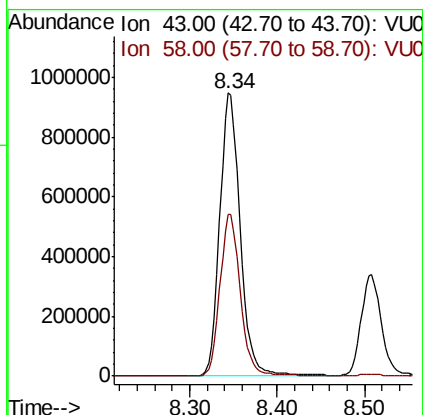
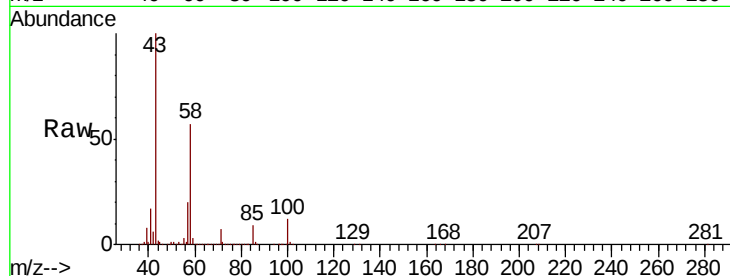




#59  
2-Hexanone  
Concen: 257.898 ug/l  
RT: 8.34 min Scan# 2256  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

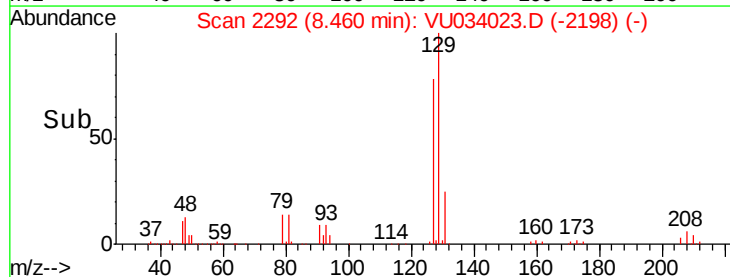
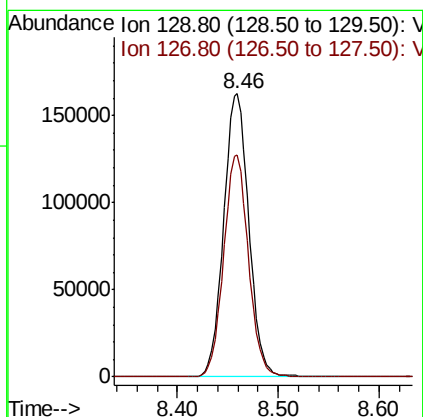
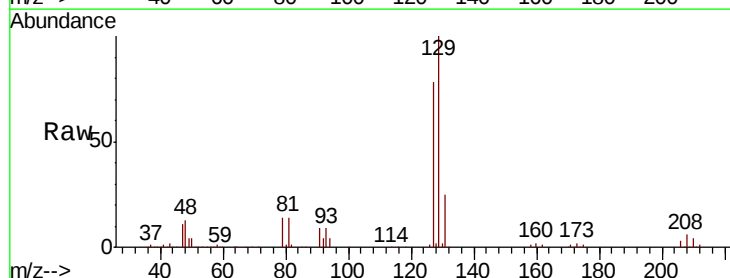
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

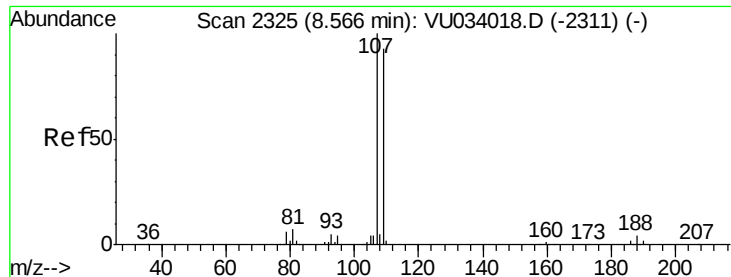
Tgt Ion: 43 Resp: 1541751  
Ion Ratio Lower Upper  
43 100  
58 57.1 28.4 85.3



#60  
Dibromochloromethane  
Concen: 49.841 ug/l  
RT: 8.46 min Scan# 2292  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 129 Resp: 283895  
Ion Ratio Lower Upper  
129 100  
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.559 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

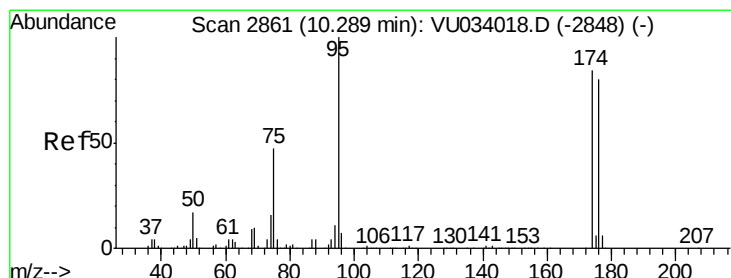
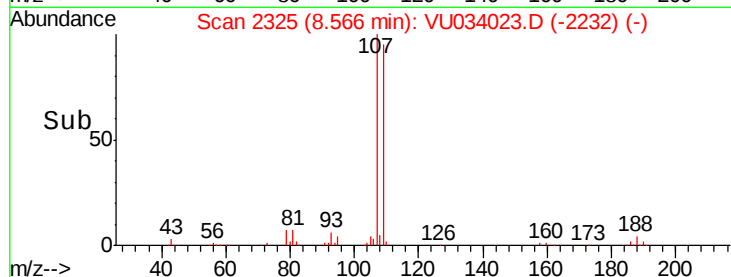
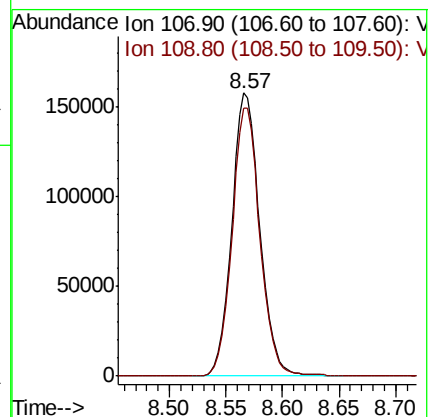
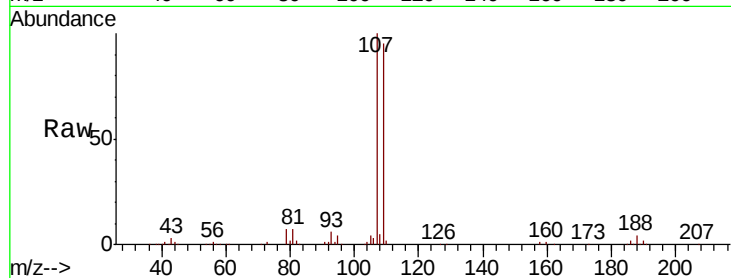
VSTDCCC050

Tgt Ion: 107 Resp: 271428

Ion Ratio Lower Upper

107 100

109 94.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.211 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

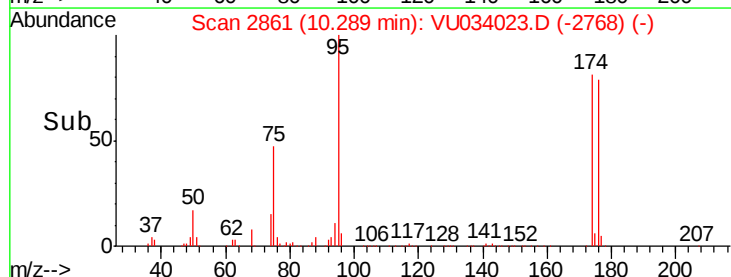
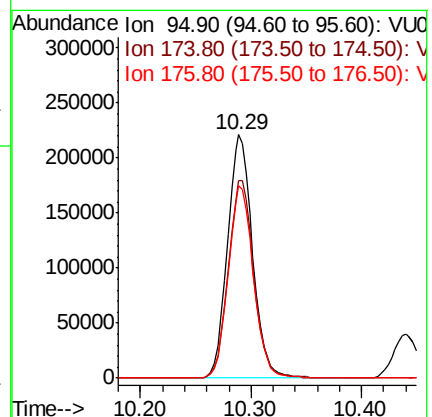
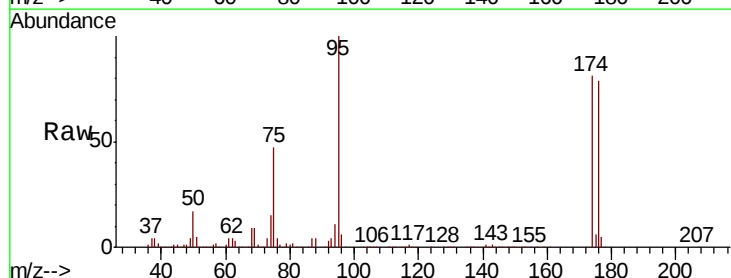
Tgt Ion: 95 Resp: 346578

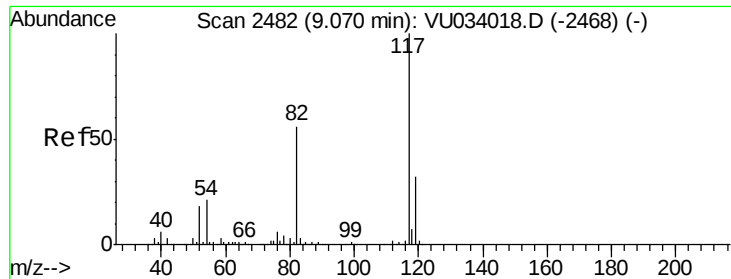
Ion Ratio Lower Upper

95 100

174 82.8 0.0 168.8

176 79.8 0.0 161.8

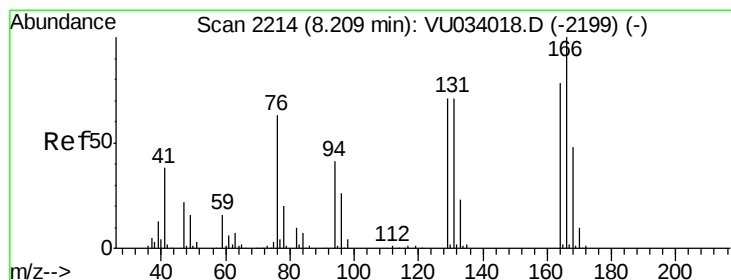
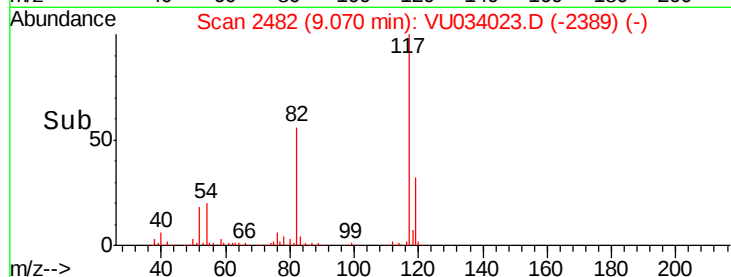
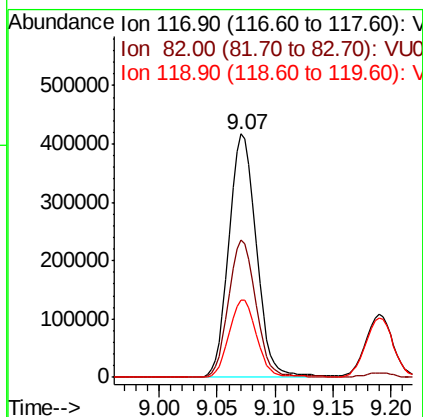
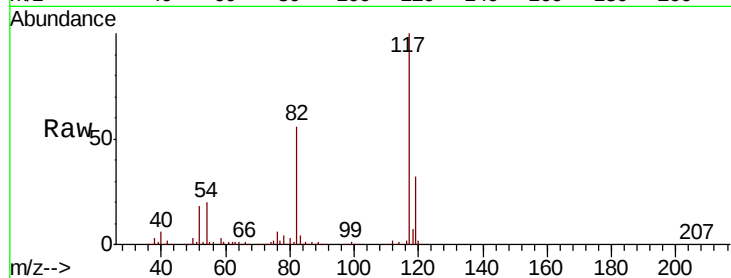




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

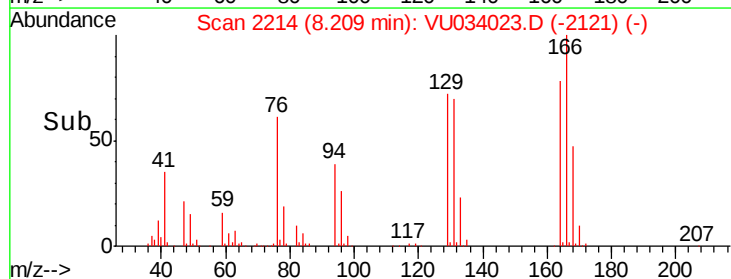
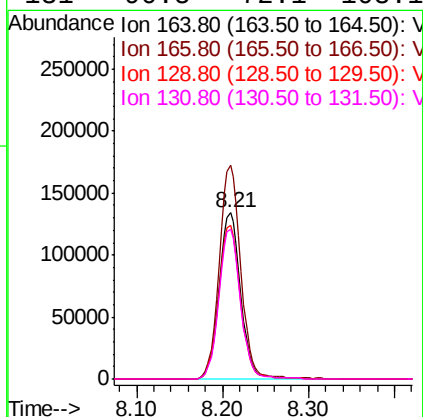
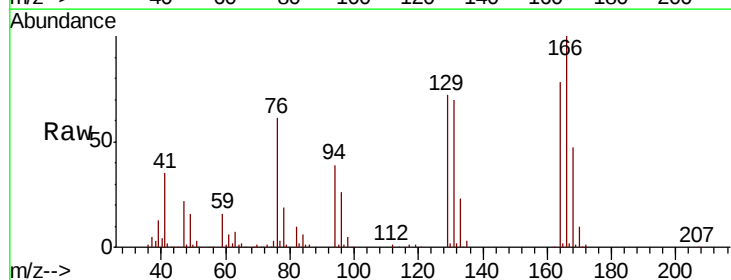
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

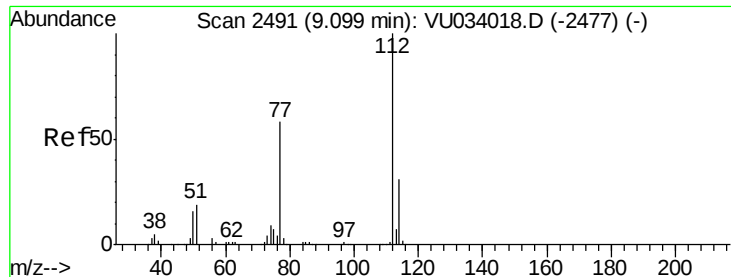
Tgt Ion:117 Resp: 684870  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.1 67.7  
119 31.7 25.4 38.0



#64  
Tetrachloroethene  
Concen: 50.970 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion:164 Resp: 234431  
Ion Ratio Lower Upper  
164 100  
166 128.5 102.2 153.2  
129 92.1 72.4 108.6  
131 90.5 72.1 108.1

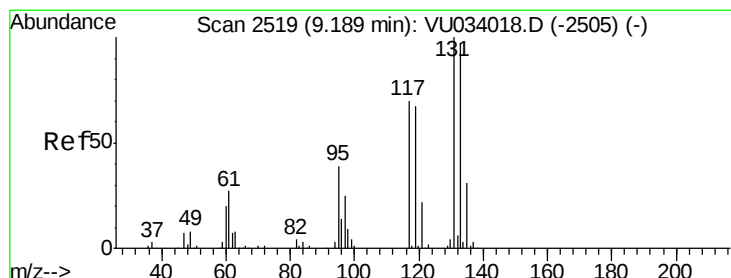
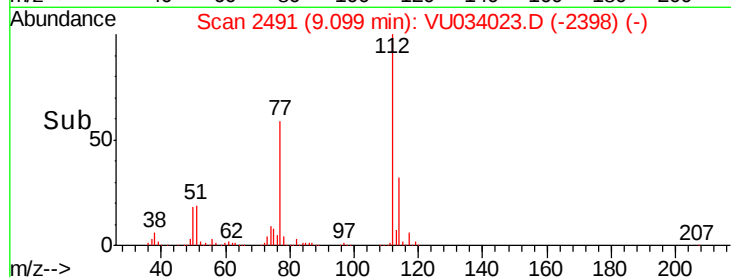
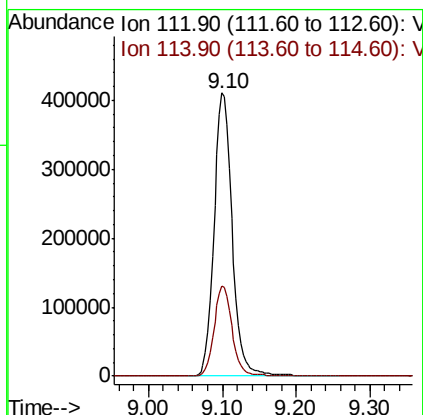
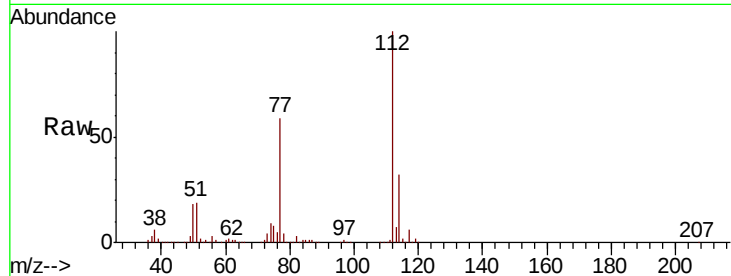




#65  
Chlorobenzene  
Concen: 49.664 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

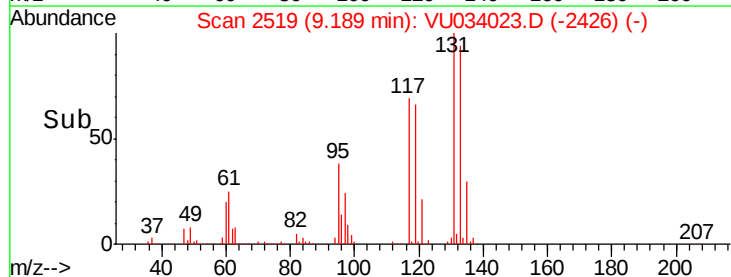
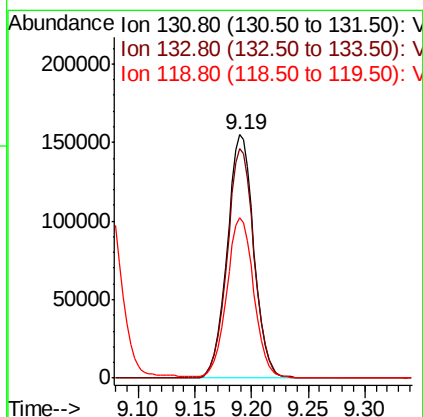
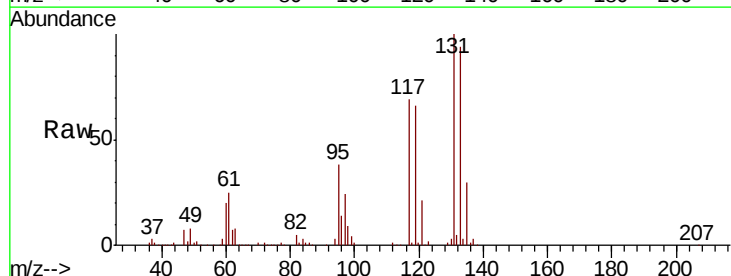
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

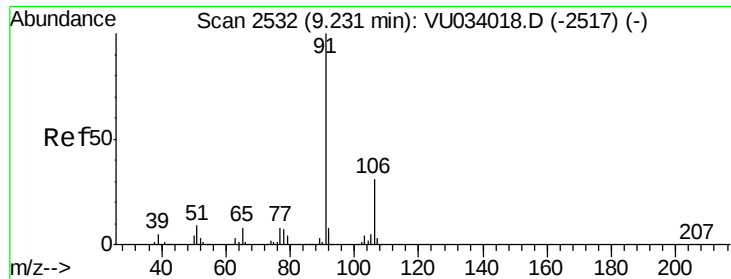
Tgt Ion:112 Resp: 699959  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.665 ug/l  
RT: 9.19 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion:131 Resp: 253817  
Ion Ratio Lower Upper  
131 100  
133 95.5 48.4 145.2  
119 66.8 33.6 100.6

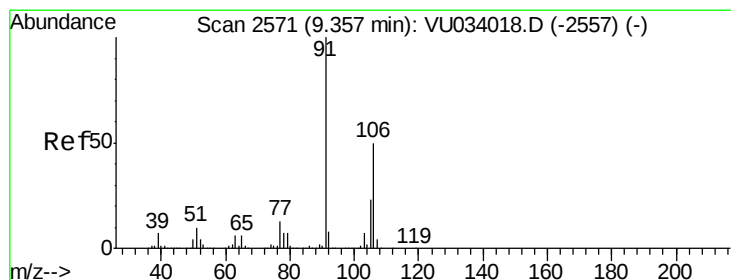
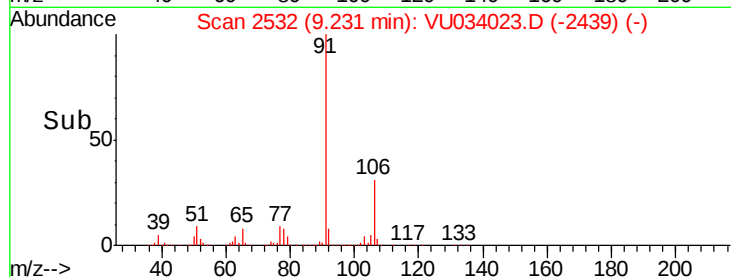
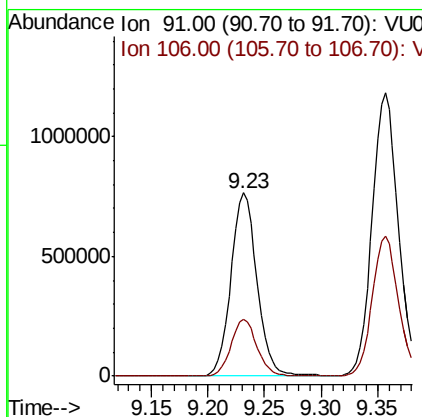
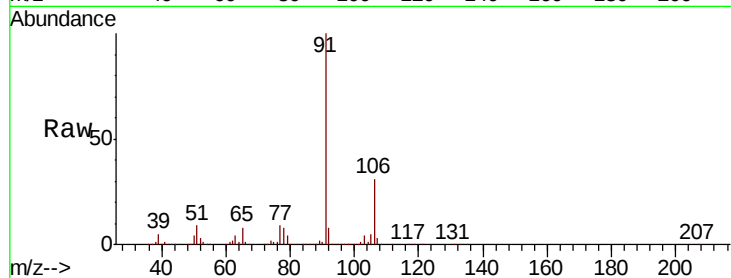




#67  
 Ethyl Benzene  
 Concen: 51.480 ug/l  
 RT: 9.23 min Scan# 2532  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

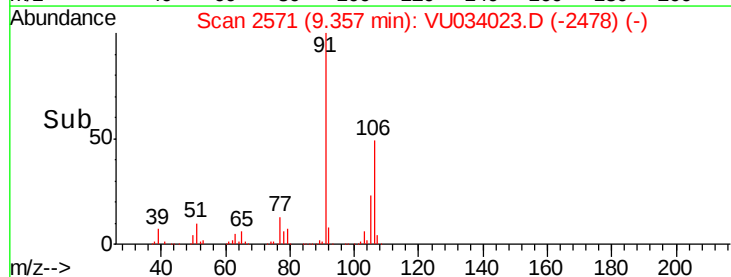
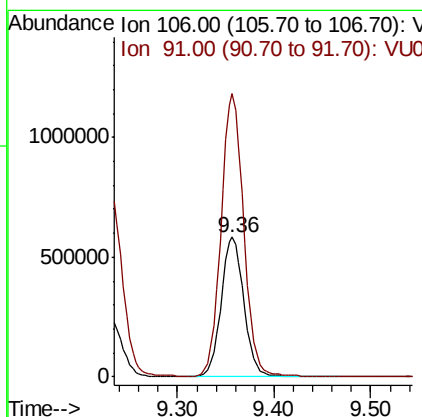
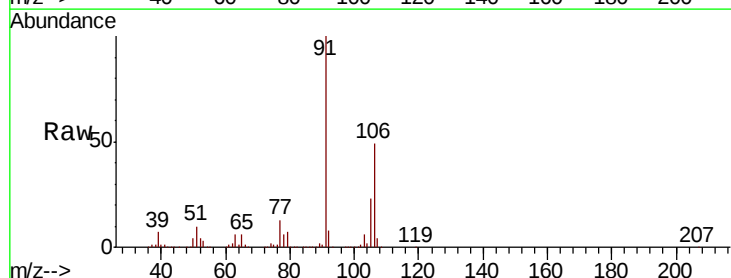
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

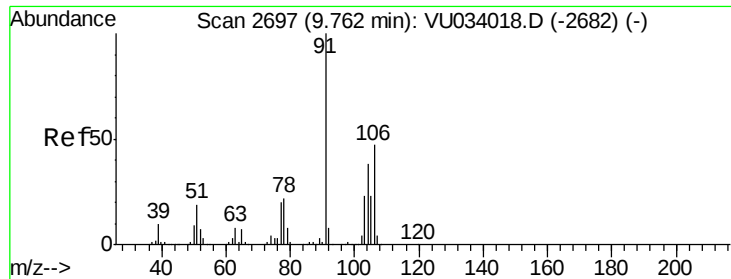
Tgt Ion: 91 Resp: 1229907  
 Ion Ratio Lower Upper  
 91 100  
 106 31.2 24.9 37.3



#68  
 m/p-Xylenes  
 Concen: 104.773 ug/l  
 RT: 9.36 min Scan# 2571  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 106 Resp: 951795  
 Ion Ratio Lower Upper  
 106 100  
 91 201.5 161.6 242.4

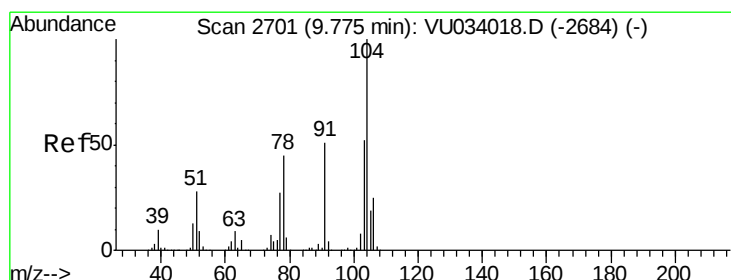
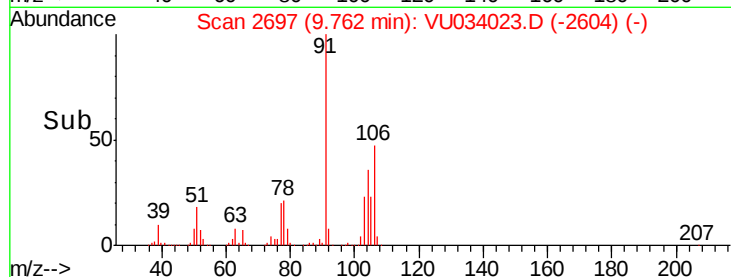
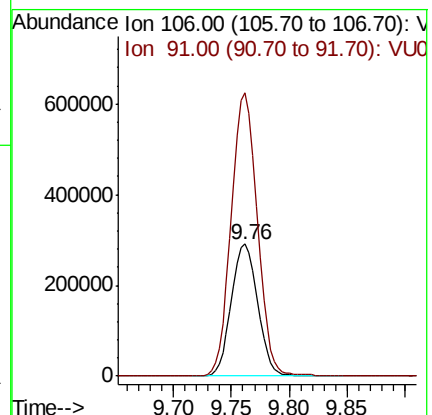
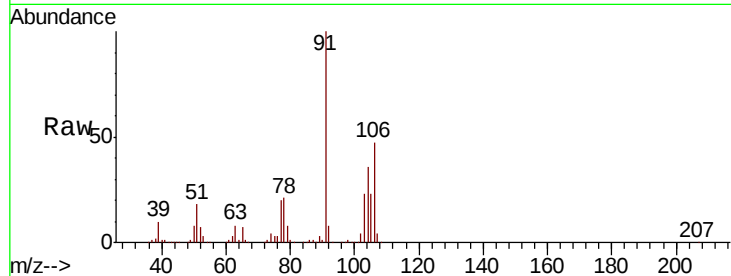




#69  
o-Xylene  
Concen: 52.597 ug/l  
RT: 9.76 min Scan# 2697  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

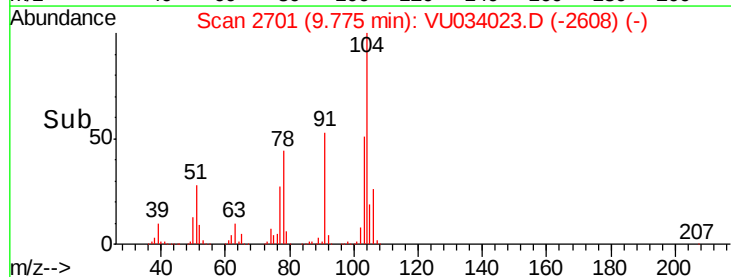
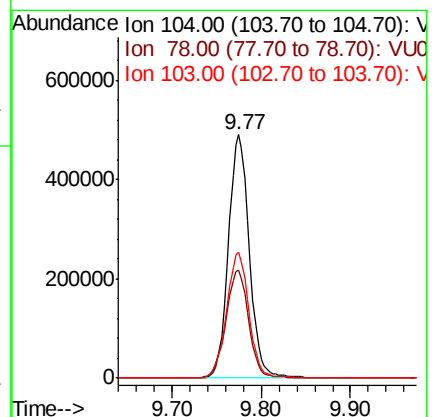
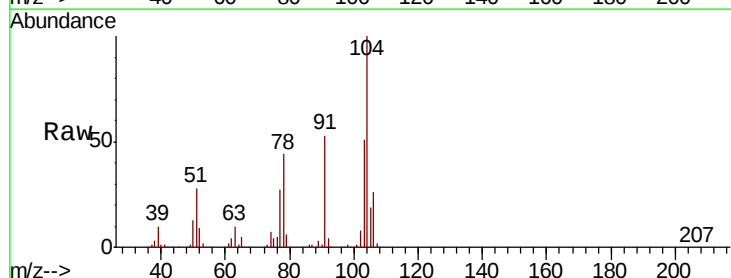
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

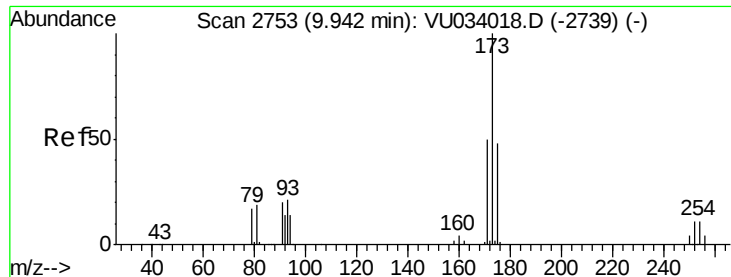
Tgt Ion:106 Resp: 458404  
Ion Ratio Lower Upper  
106 100  
91 212.3 106.0 318.0



#70  
Styrene  
Concen: 53.194 ug/l  
RT: 9.77 min Scan# 2701  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion:104 Resp: 794911  
Ion Ratio Lower Upper  
104 100  
78 48.5 39.0 58.4  
103 55.0 44.0 66.0





#71

Bromoform

Concen: 49.222 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

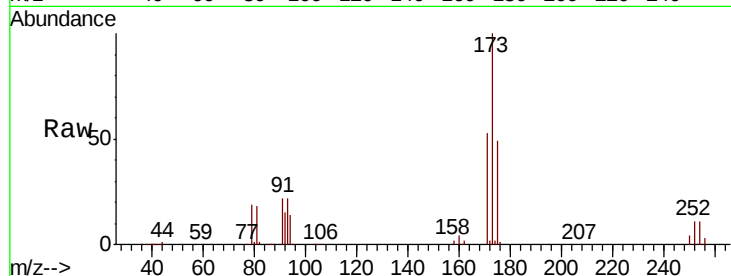
Tgt Ion:173 Resp: 218559

Ion Ratio Lower Upper

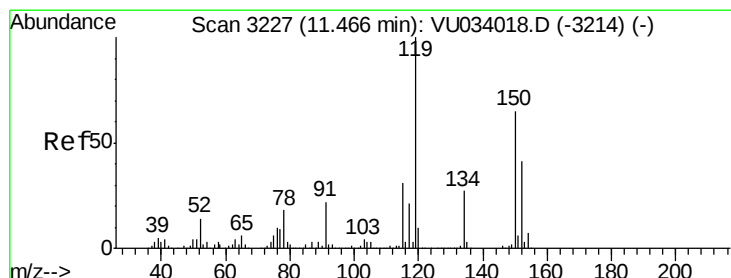
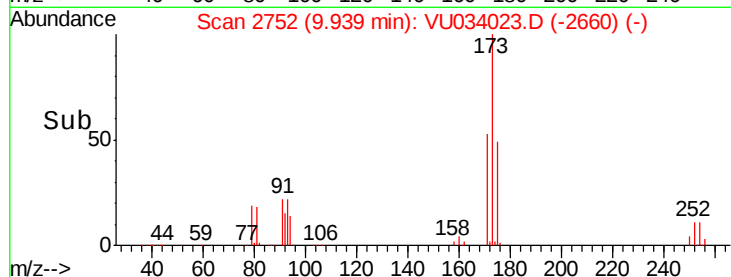
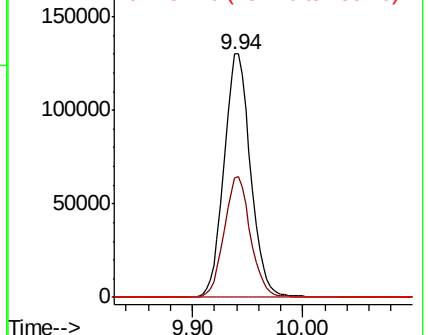
173 100

175 48.9 24.6 73.6

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

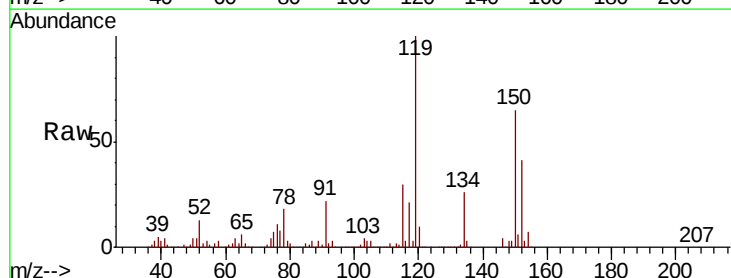
Tgt Ion:152 Resp: 354270

Ion Ratio Lower Upper

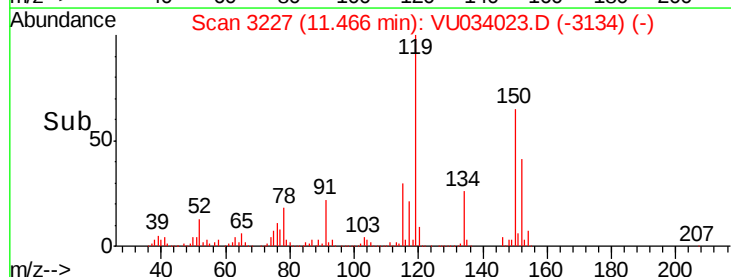
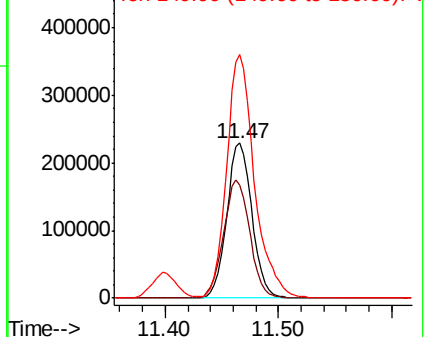
152 100

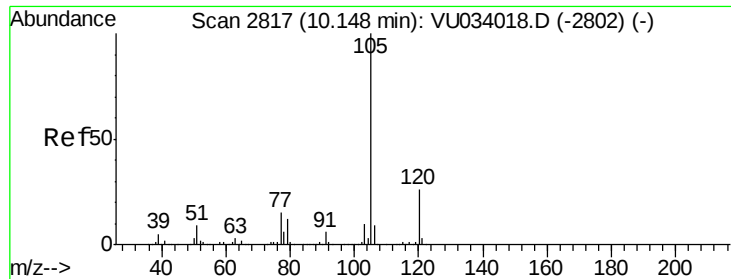
115 79.3 41.1 123.3

150 173.1 0.0 348.8



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





#73

Isopropylbenzene

Concen: 52.237 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

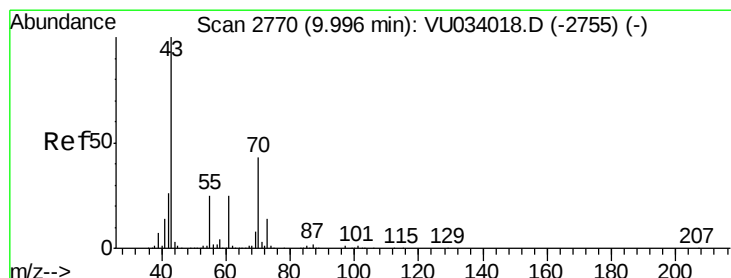
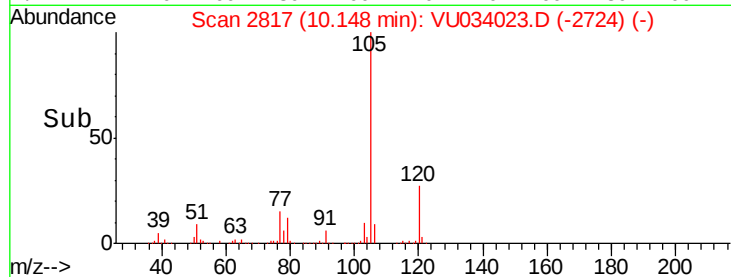
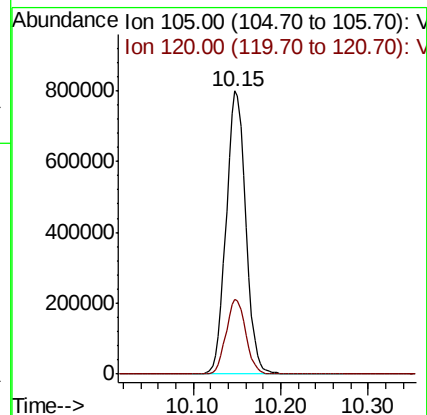
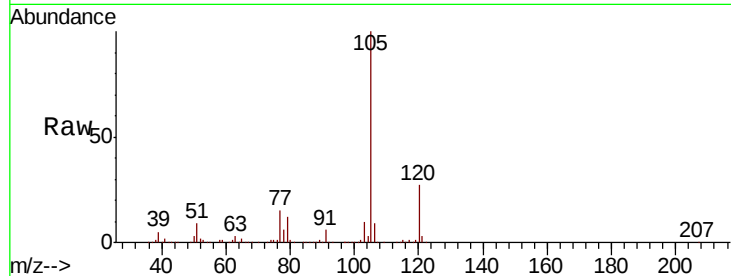
VSTDCCC050

Tgt Ion: 105 Resp: 1243049

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 53.559 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion: 43 Resp: 536044

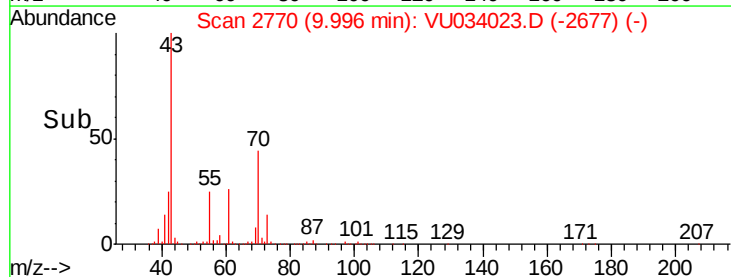
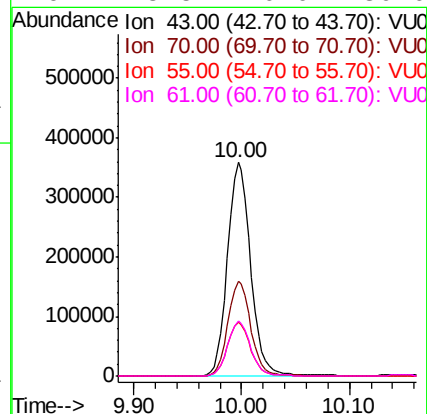
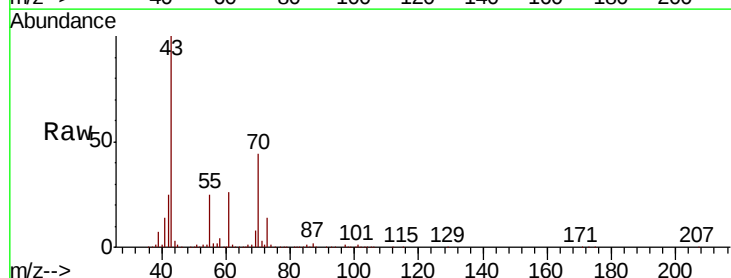
Ion Ratio Lower Upper

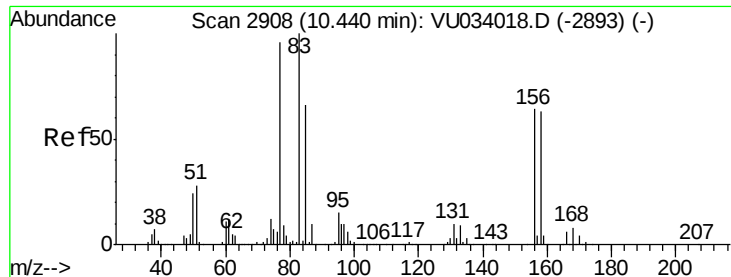
43 100

70 44.1 35.2 52.8

55 25.1 20.5 30.7

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.433 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

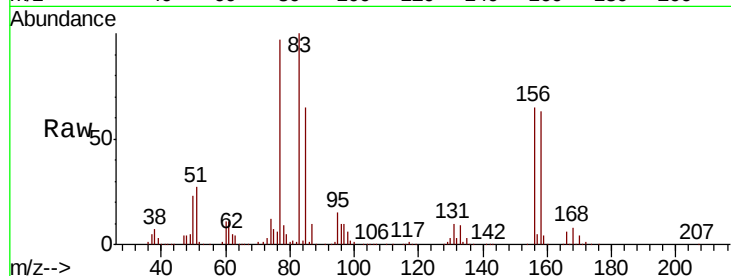
Tgt Ion: 83 Resp: 432014

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

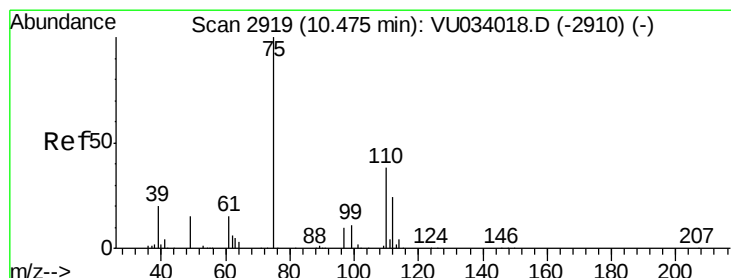
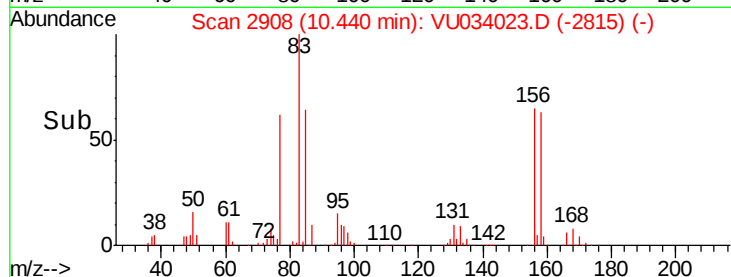
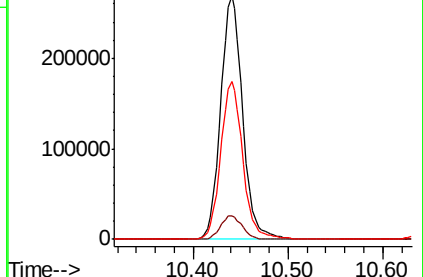
85 65.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034023.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU034023.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU034023.D (-2815) (-)



#76

1,2,3-Trichloropropane

Concen: 61.310 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034023.D

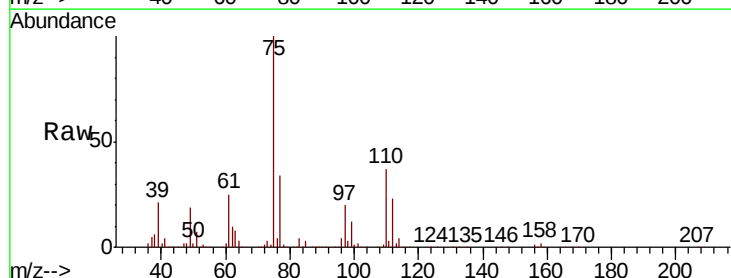
Acq: 28 Aug 2019 14:52

Tgt Ion: 75 Resp: 489539

Ion Ratio Lower Upper

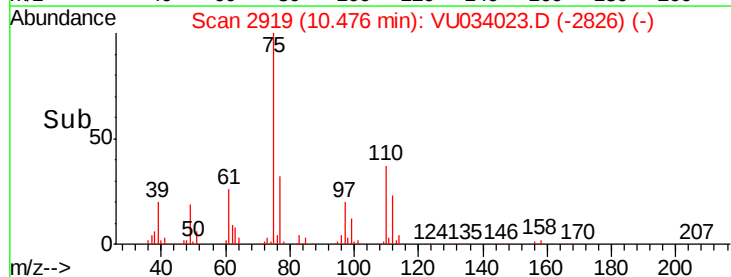
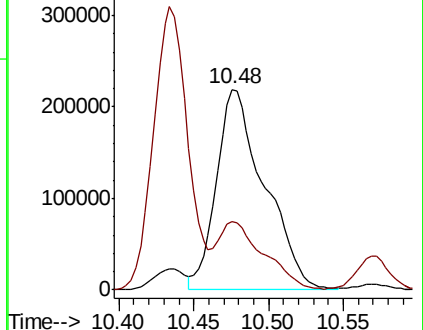
75 100

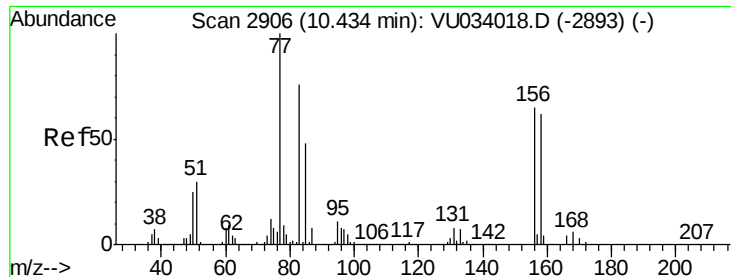
77 31.4 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034023.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034023.D (-2826) (-)





#77

Bromobenzene

Concen: 49.539 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

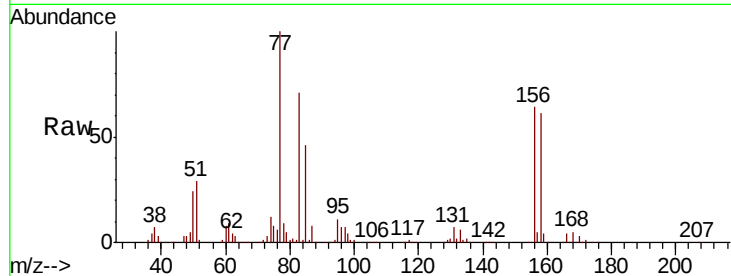
Tgt Ion:156 Resp: 317107

Ion Ratio Lower Upper

156 100

77 155.5 76.8 230.5

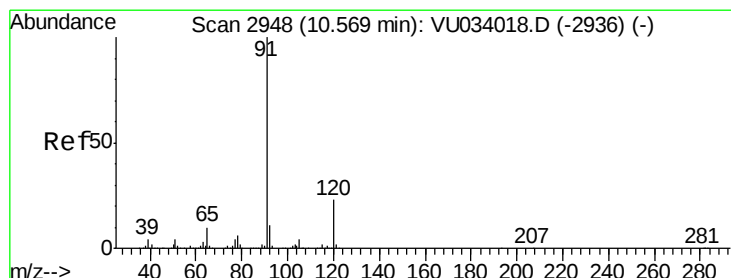
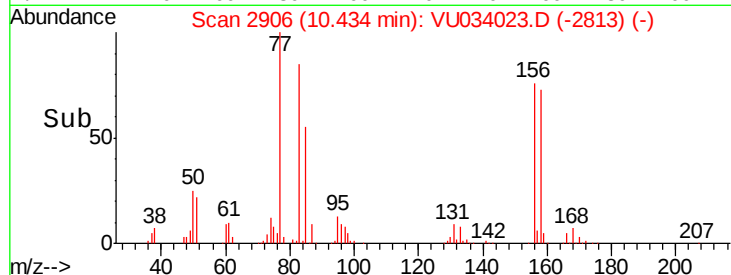
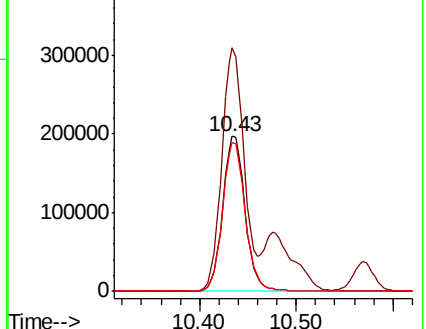
158 97.1 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.648 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034023.D

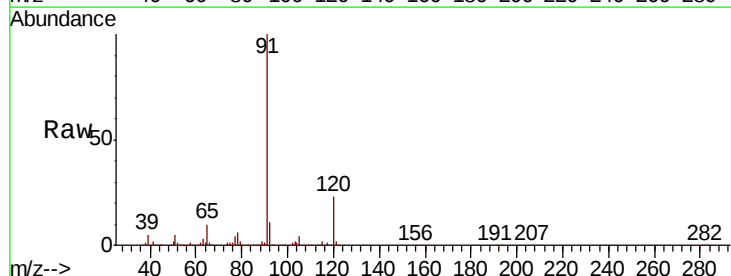
Acq: 28 Aug 2019 14:52

Tgt Ion: 91 Resp: 1459026

Ion Ratio Lower Upper

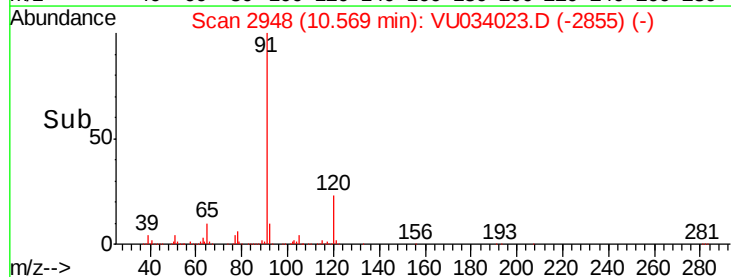
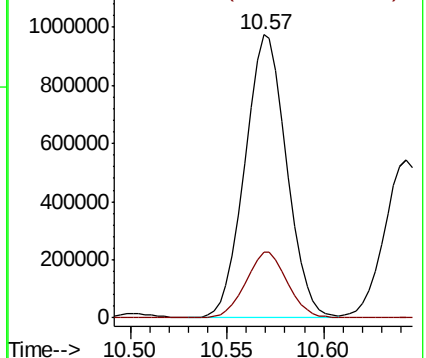
91 100

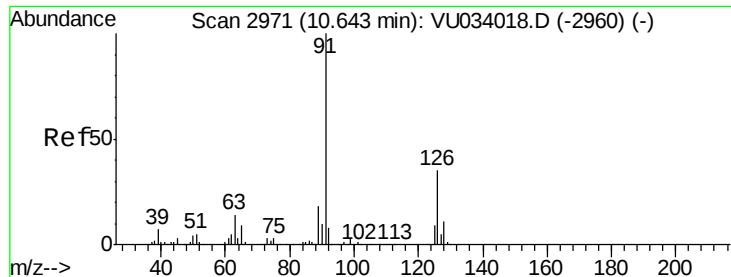
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

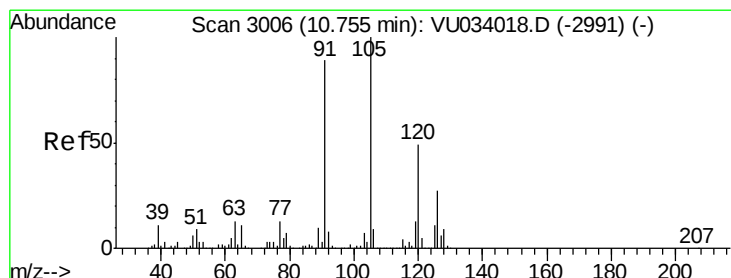
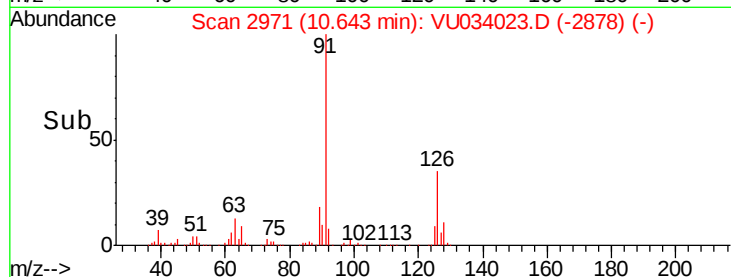
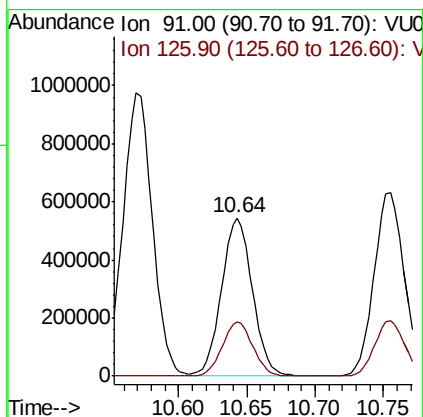
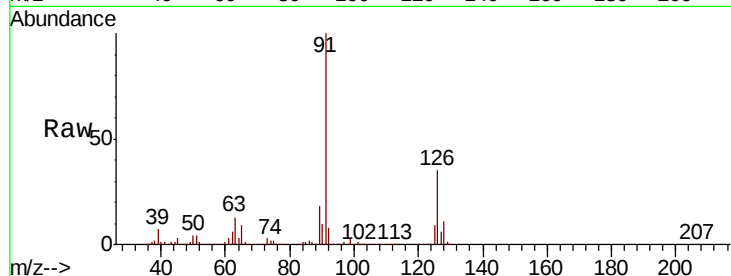




#79  
 2-Chlorotoluene  
 Concen: 51.434 ug/l  
 RT: 10.64 min Scan# 2971  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

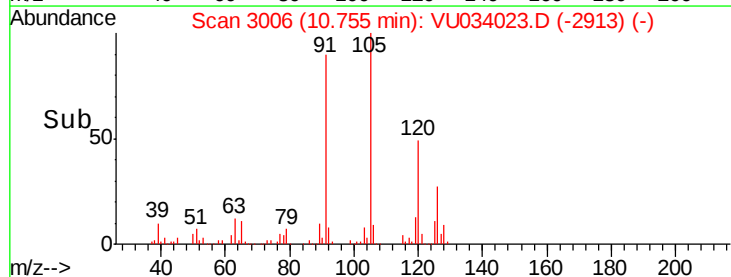
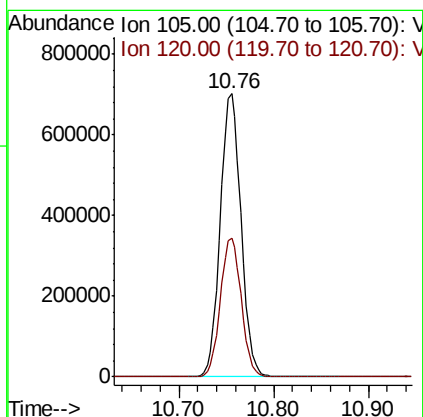
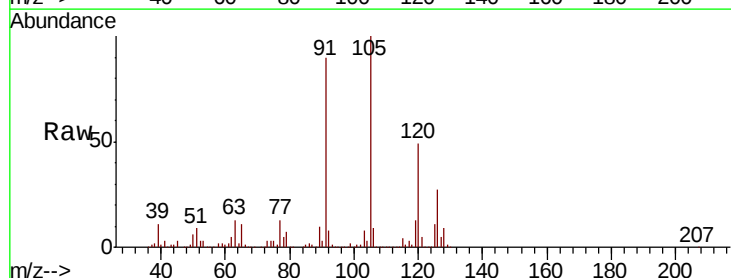
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

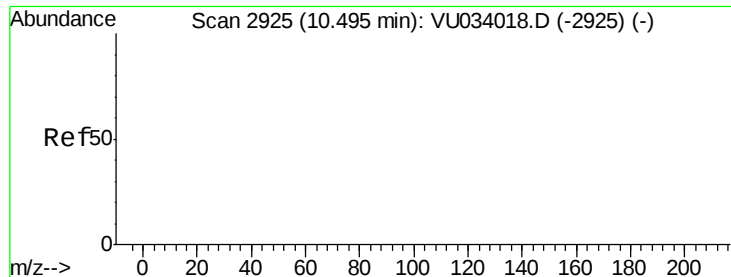
Tgt Ion: 91 Resp: 854953  
 Ion Ratio Lower Upper  
 91 100  
 126 34.1 17.1 51.2



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.068 ug/l  
 RT: 10.76 min Scan# 3006  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion: 105 Resp: 1070318  
 Ion Ratio Lower Upper  
 105 100  
 120 49.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 207.079 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

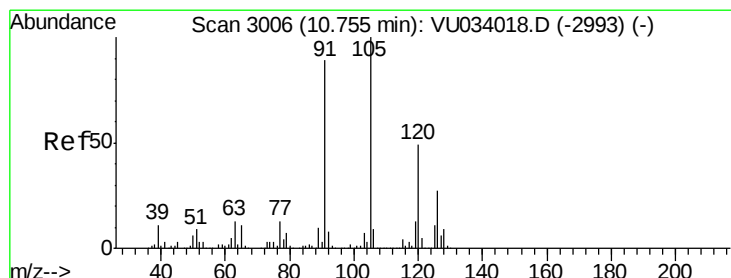
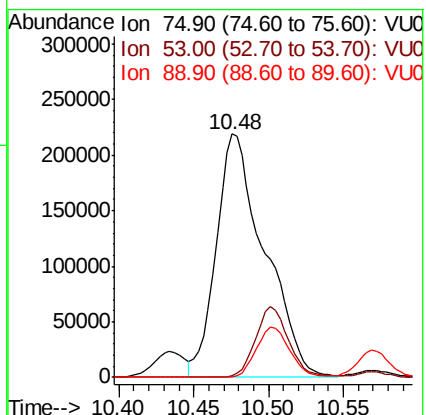
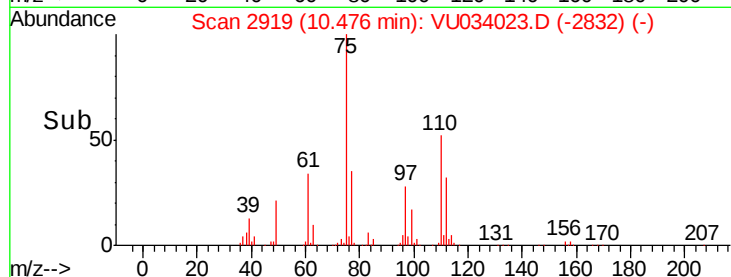
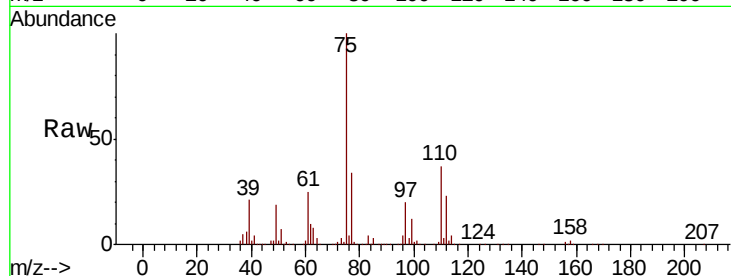
Tgt Ion: 75 Resp: 491040

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 51.417 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034023.D

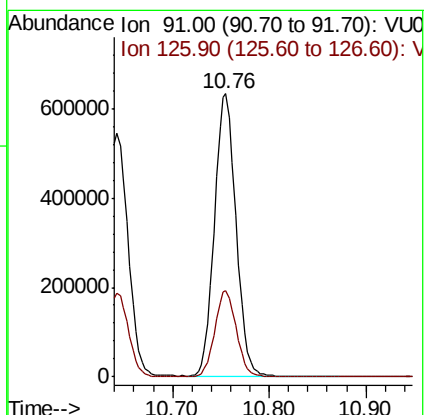
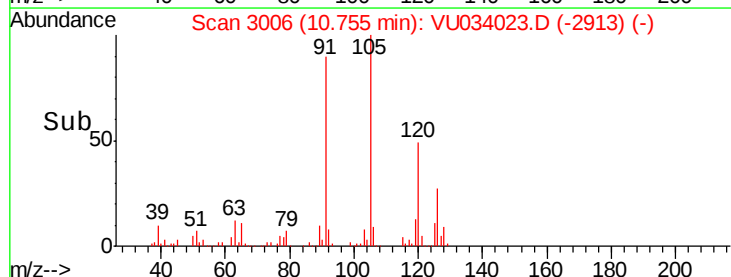
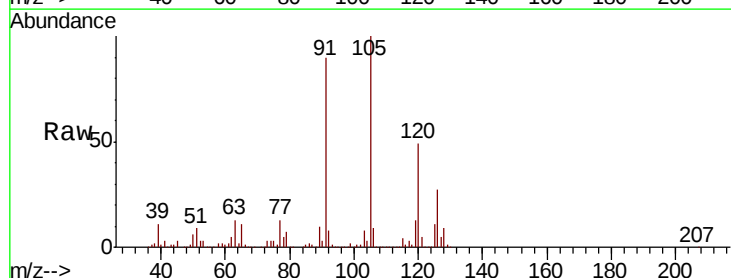
Acq: 28 Aug 2019 14:52

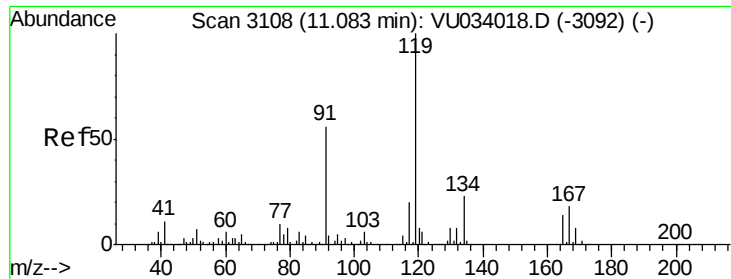
Tgt Ion: 91 Resp: 982935

Ion Ratio Lower Upper

91 100

126 30.3 15.0 45.1

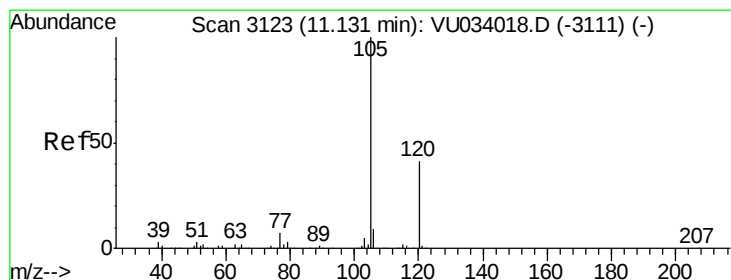
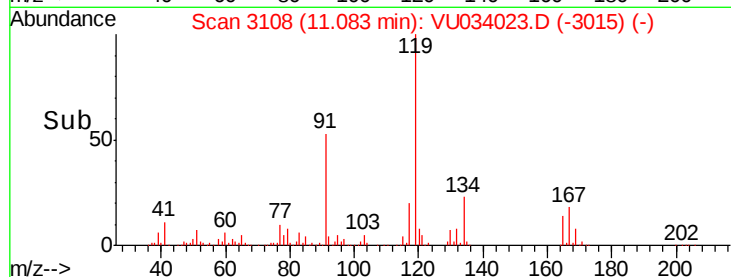
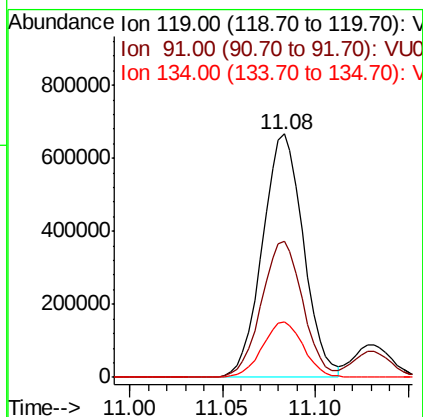
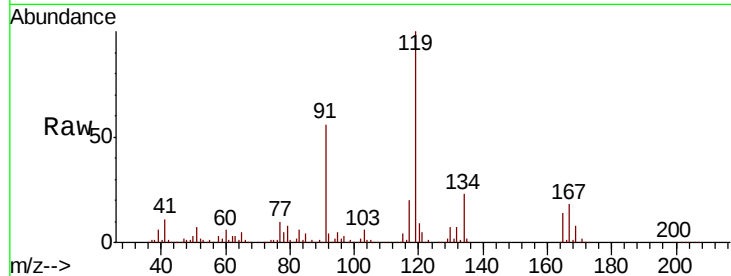




#83  
 tert-Butylbenzene  
 Concen: 51.932 ug/l  
 RT: 11.08 min Scan# 3108  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

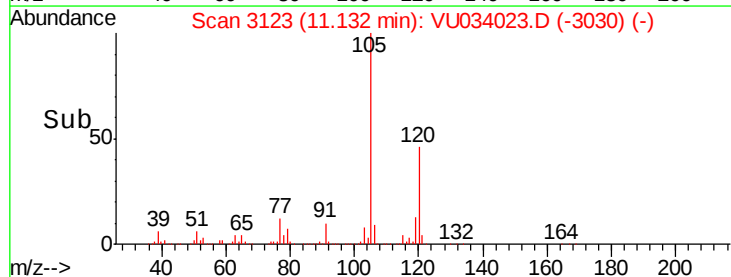
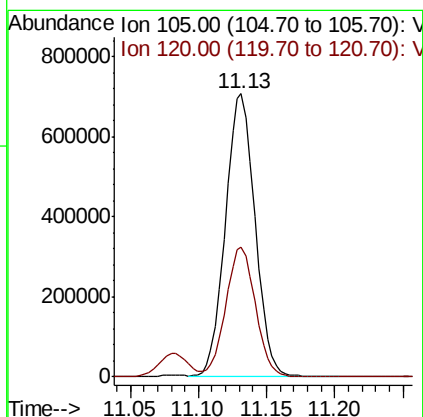
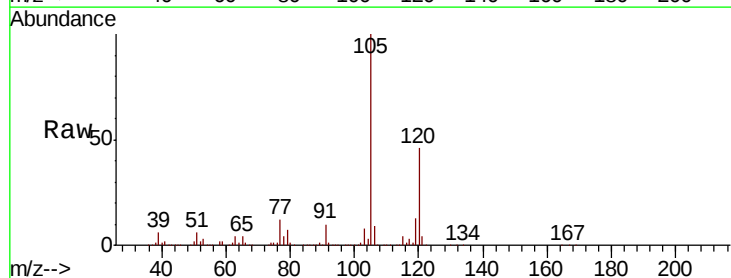
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

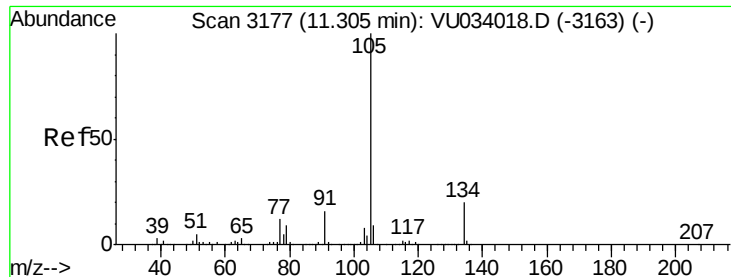
Tgt Ion:119 Resp: 1031095  
 Ion Ratio Lower Upper  
 119 100  
 91 56.2 27.9 83.6  
 134 22.7 11.4 34.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.216 ug/l  
 RT: 11.13 min Scan# 3123  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion:105 Resp: 1065763  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 22.6 67.8

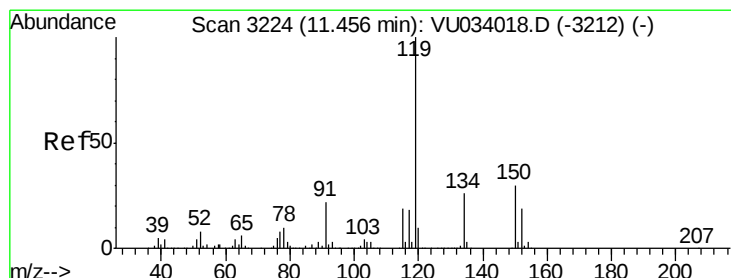
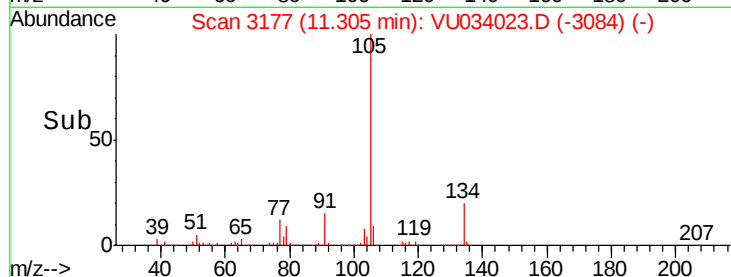
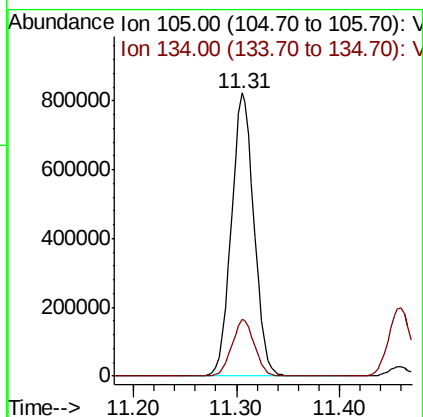
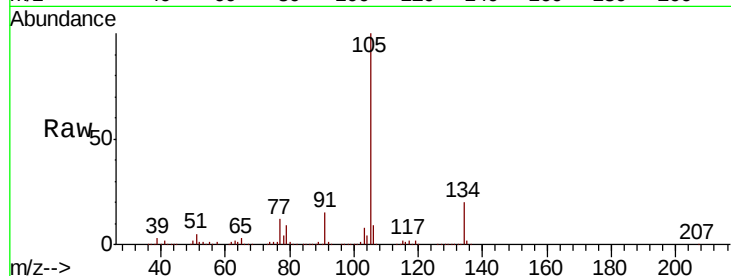




#85  
 sec-Butylbenzene  
 Concen: 52.597 ug/l  
 RT: 11.31 min Scan# 3177  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

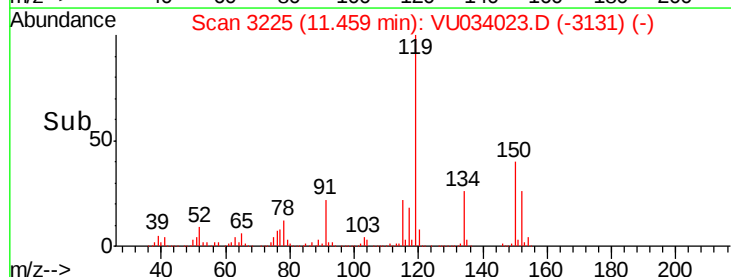
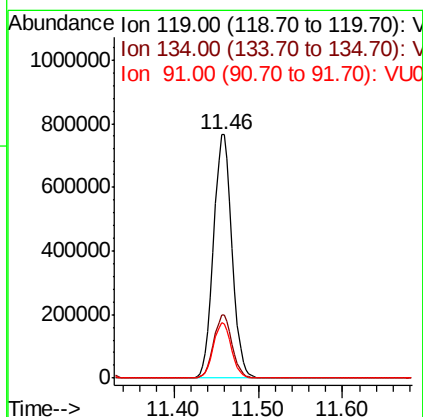
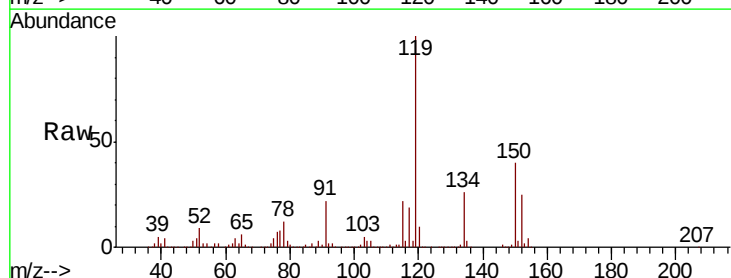
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

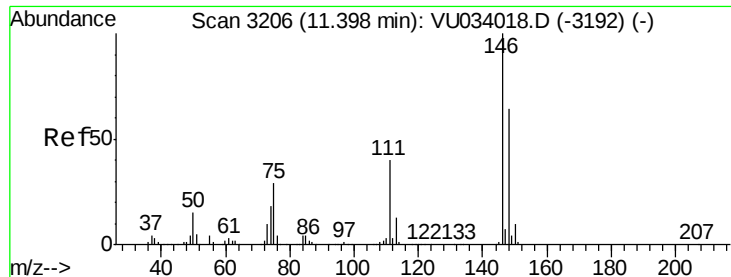
Tgt Ion:105 Resp: 1251622  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 53.705 ug/l  
 RT: 11.46 min Scan# 3225  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

Tgt Ion:119 Resp: 1155858  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.1 39.1  
 91 22.4 11.2 33.6

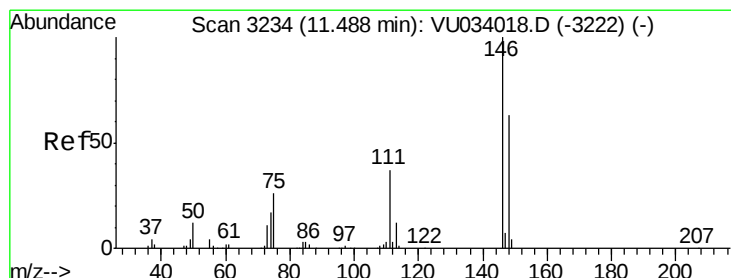
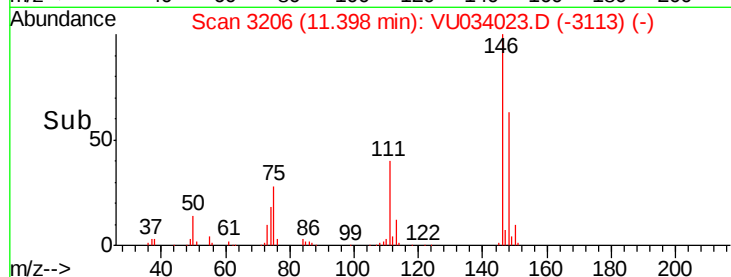
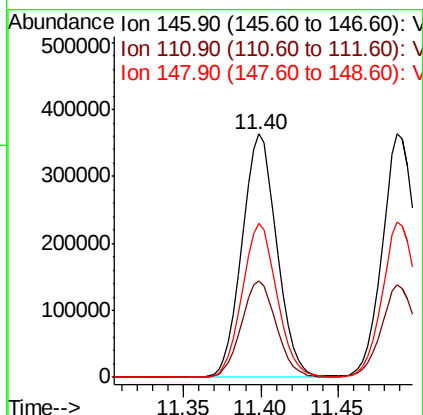
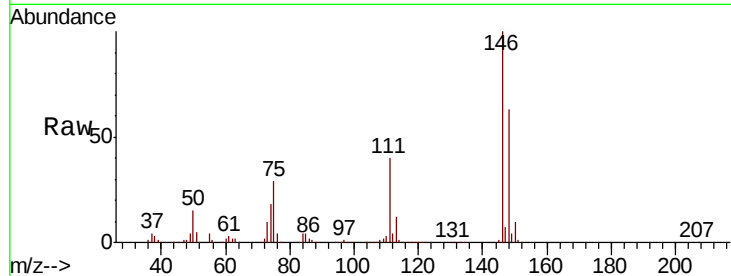




#87  
 1,3-Dichlorobenzene  
 Concen: 50.315 ug/l  
 RT: 11.40 min Scan# 3206  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

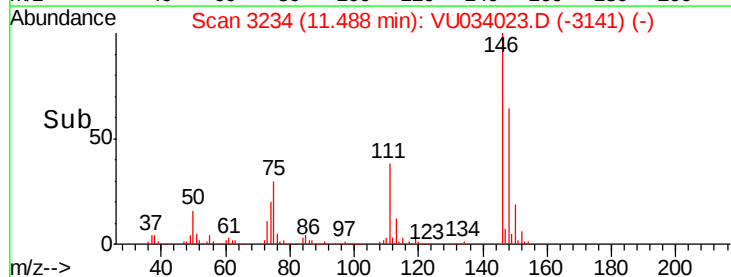
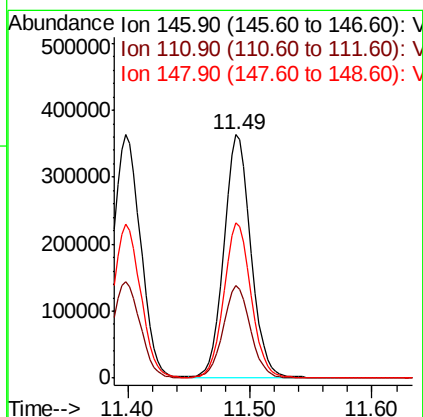
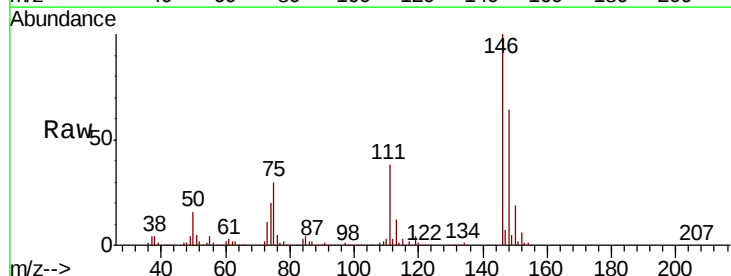
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

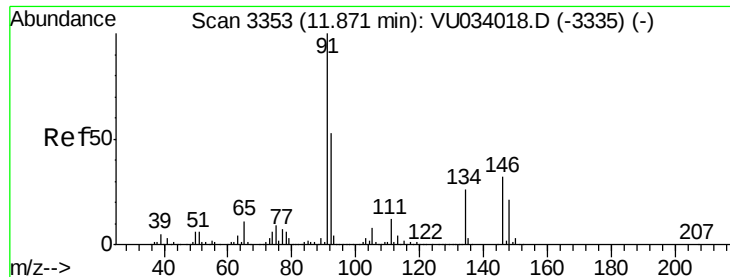
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 19.9  | 59.6  |
| 148     | 63.1  | 31.9  | 95.5  |



#88  
 1,4-Dichlorobenzene  
 Concen: 49.241 ug/l  
 RT: 11.49 min Scan# 3234  
 Delta R.T. 0.00 min  
 Lab File: VU034023.D  
 Acq: 28 Aug 2019 14:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.2  | 57.6  |
| 148     | 64.2  | 31.9  | 95.9  |

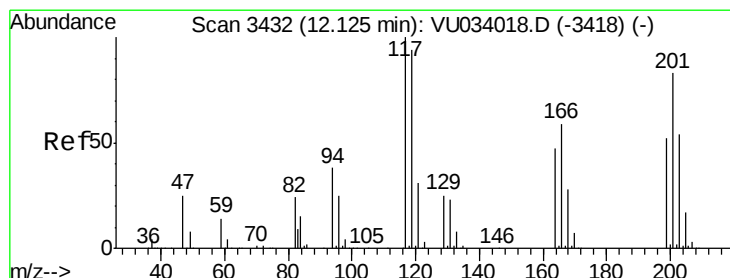
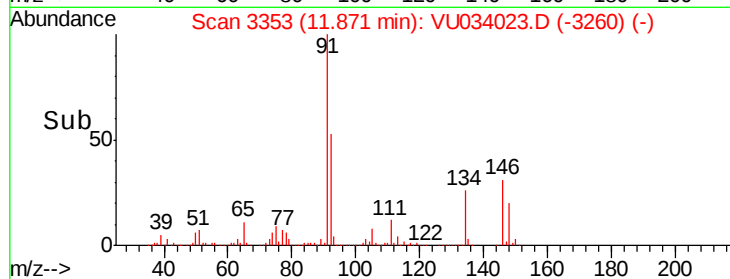
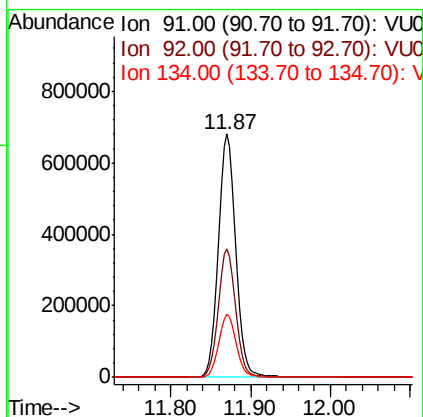
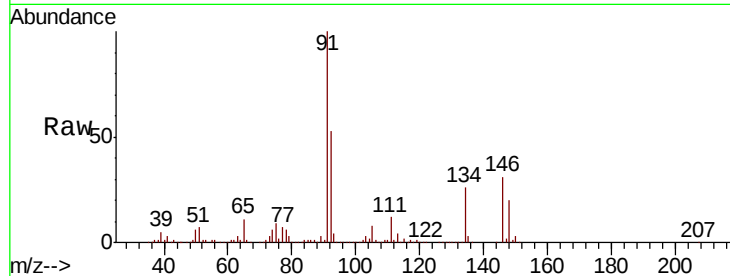




#89  
n-Butylbenzene  
Concen: 54.406 ug/l  
RT: 11.87 min Scan# 3353  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

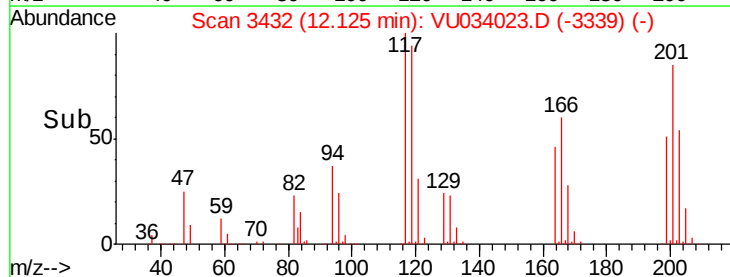
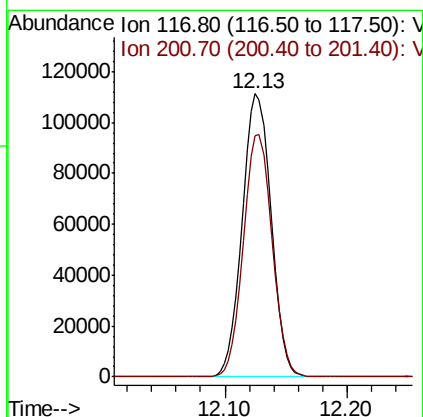
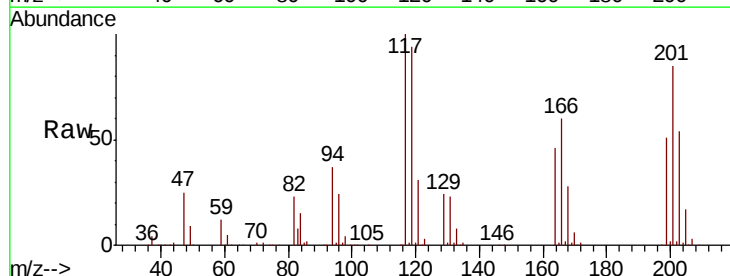
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

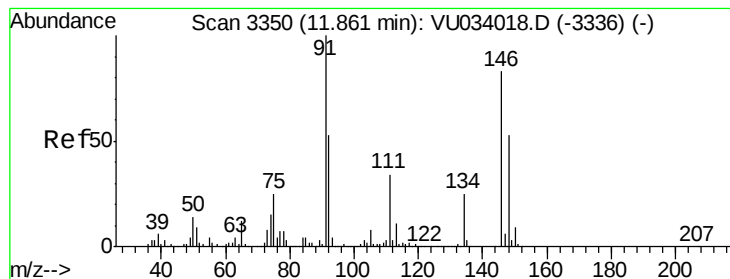
Tgt Ion: 91 Resp: 1032365  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.3 78.9  
134 26.0 12.9 38.7



#90  
Hexachloroethane  
Concen: 48.780 ug/l  
RT: 12.13 min Scan# 3432  
Delta R.T. 0.00 min  
Lab File: VU034023.D  
Acq: 28 Aug 2019 14:52

Tgt Ion: 117 Resp: 181514  
Ion Ratio Lower Upper  
117 100  
201 84.9 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 50.548 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

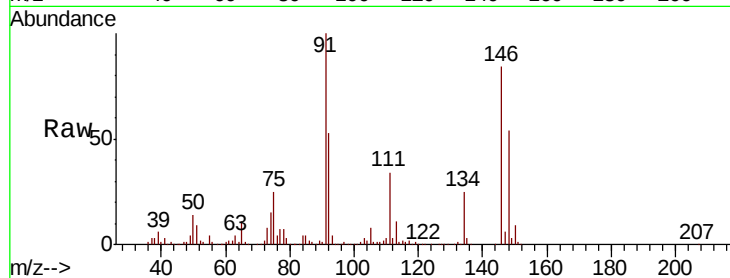
Tgt Ion:146 Resp: 548733

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.2

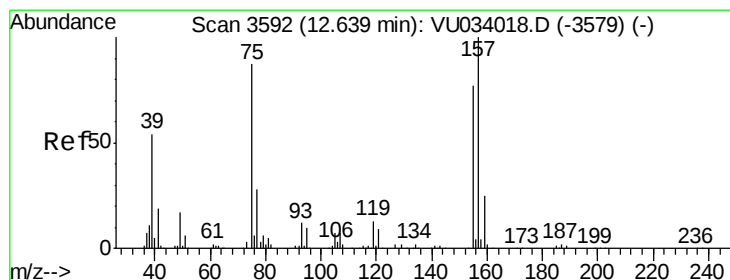
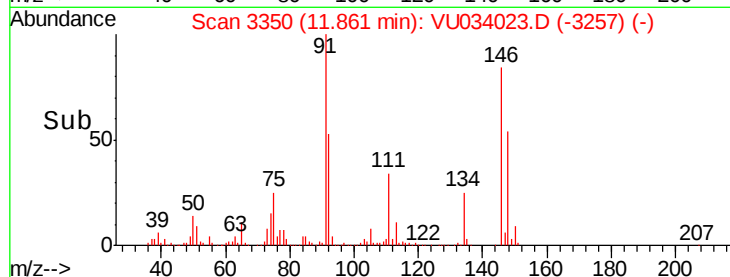
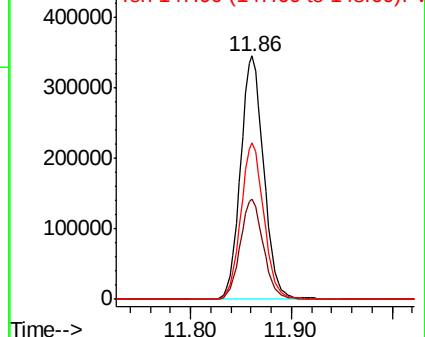
148 63.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.938 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

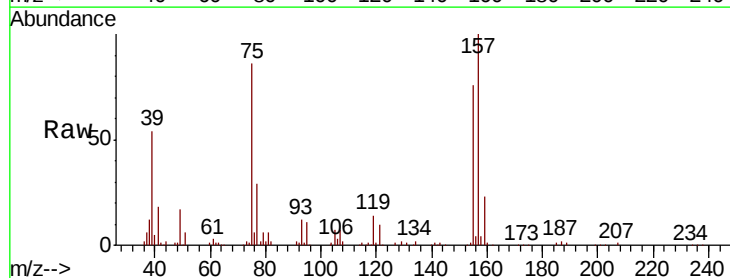
Tgt Ion: 75 Resp: 88797

Ion Ratio Lower Upper

75 100

155 88.5 43.5 130.7

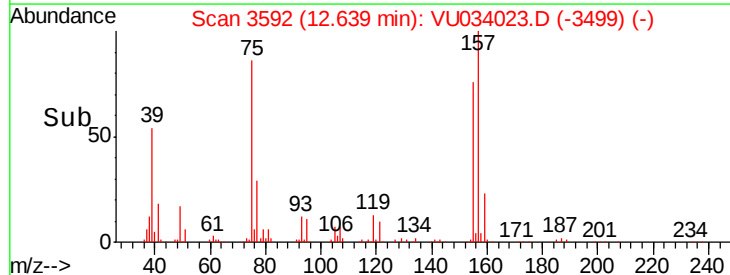
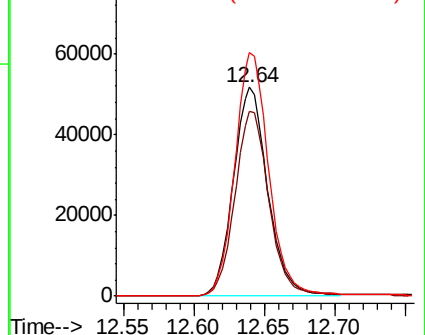
157 114.6 56.9 170.6

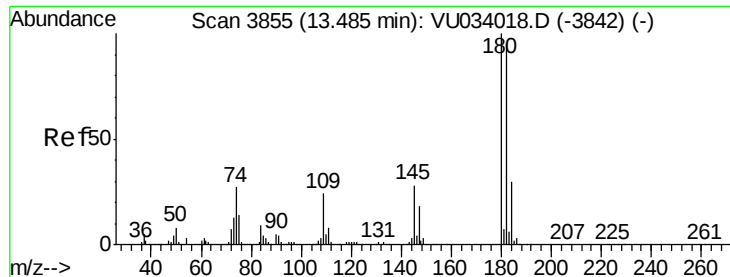


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 48.815 ug/l

RT: 13.49 min Scan# 3856

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

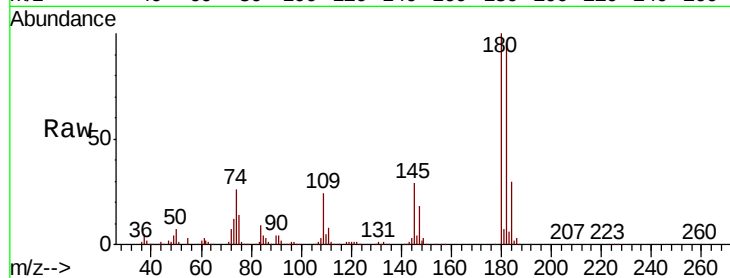
Tgt Ion:180 Resp: 376720

Ion Ratio Lower Upper

180 100

182 95.9 47.4 142.2

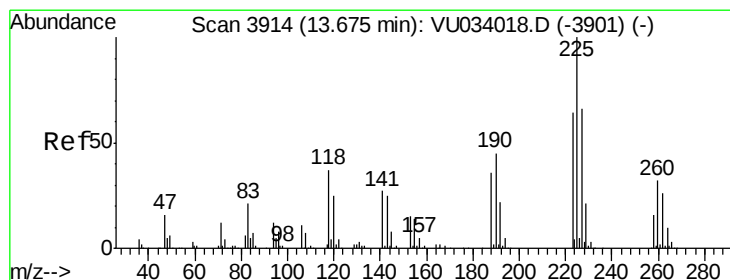
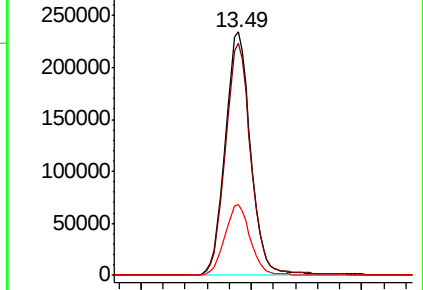
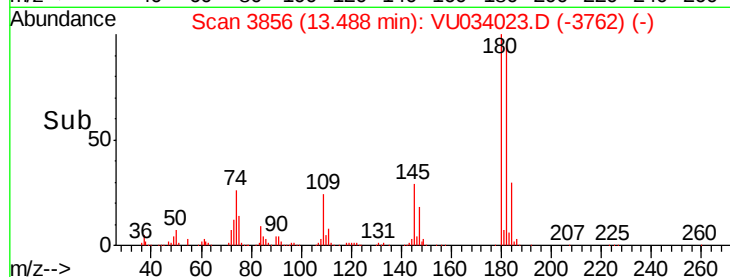
145 29.0 14.1 42.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.320 ug/l

RT: 13.67 min Scan# 3914

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

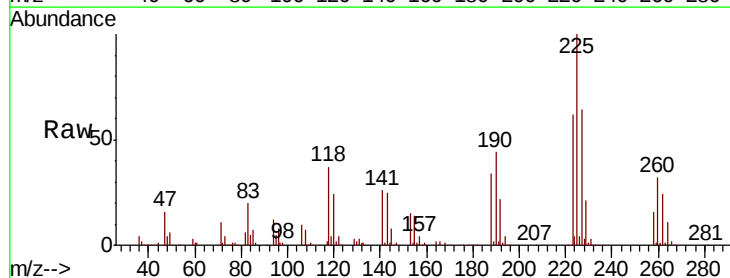
Tgt Ion:225 Resp: 217939

Ion Ratio Lower Upper

225 100

223 61.8 31.8 95.3

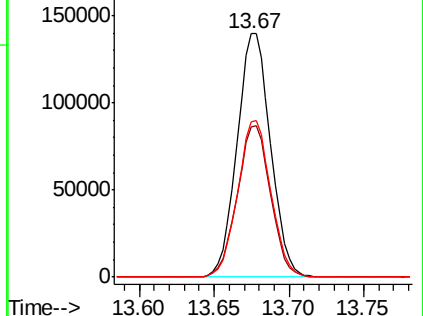
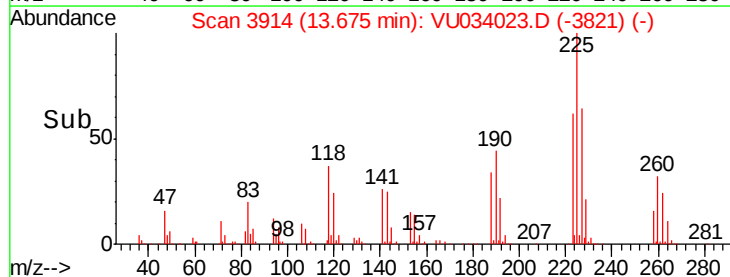
227 63.8 32.6 97.8

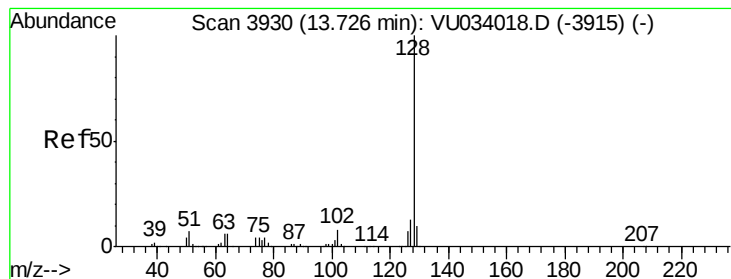


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.438 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

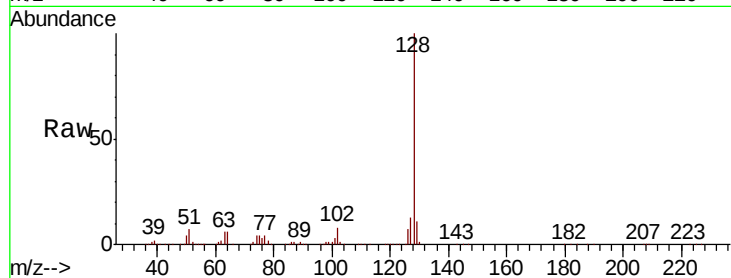
Tgt Ion:128 Resp: 1046892

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

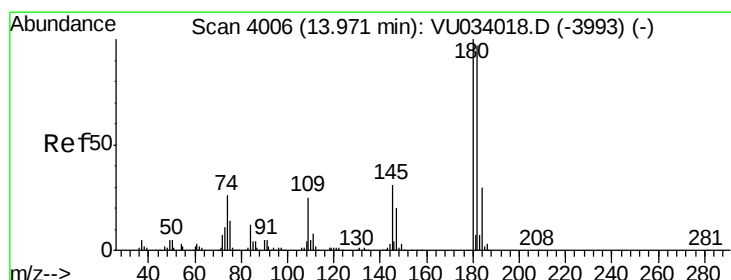
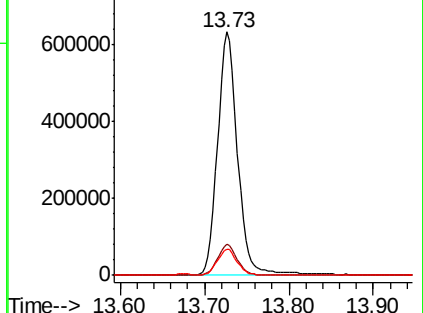
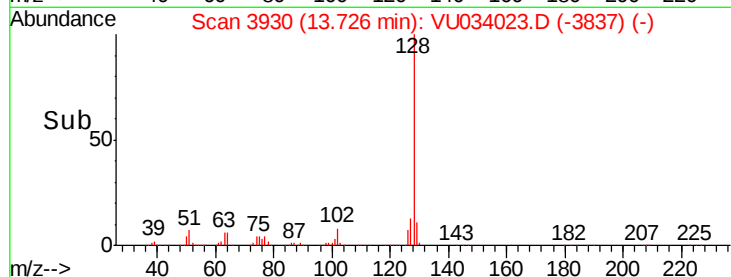
129 10.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.166 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

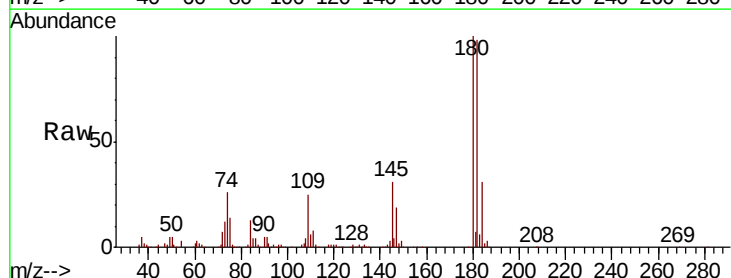
Tgt Ion:180 Resp: 369715

Ion Ratio Lower Upper

180 100

182 96.1 48.2 144.6

145 30.3 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

