

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050420\  
 Data File : VX016031.D  
 Acq On : 04 May 2020 12:25  
 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Quant Time: May 04 13:26:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 13:19:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 338965   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 539654   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 495314   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 241316   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 87510    | 16.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 33.88% |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 66826    | 17.52 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 35.04% |      |
| 50) Toluene-d8              | 8.70   | 98  | 260919   | 18.35 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 36.70% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 95807    | 18.78 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 37.56% |      |

| Target Compounds              |      |     |        |        | Qvalue   |
|-------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 64639  | 18.100 | ug/l 99  |
| 3) Chloromethane              | 1.32 | 50  | 73640  | 17.239 | ug/l 99  |
| 4) Vinyl Chloride             | 1.39 | 62  | 79890  | 17.755 | ug/l 99  |
| 5) Bromomethane               | 1.63 | 94  | 51398  | 18.834 | ug/l 98  |
| 6) Chloroethane               | 1.71 | 64  | 49026  | 17.385 | ug/l 98  |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 103786 | 17.640 | ug/l 100 |
| 8) Diethyl Ether              | 2.17 | 74  | 43690  | 17.539 | ug/l 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 59177  | 17.478 | ug/l 97  |
| 10) Methyl Iodide             | 2.49 | 142 | 78018  | 18.030 | ug/l 99  |
| 11) Tert butyl alcohol        | 3.01 | 59  | 100028 | 90.573 | ug/l 99  |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 61916  | 17.453 | ug/l 98  |
| 13) Acrolein                  | 2.27 | 56  | 58884  | 86.989 | ug/l 98  |
| 14) Allyl chloride            | 2.71 | 41  | 113648 | 17.540 | ug/l 99  |
| 15) Acrylonitrile             | 3.12 | 53  | 202842 | 86.978 | ug/l 100 |
| 16) Acetone                   | 2.42 | 43  | 174604 | 87.327 | ug/l 99  |
| 17) Carbon Disulfide          | 2.55 | 76  | 191541 | 15.103 | ug/l 100 |
| 18) Methyl Acetate            | 2.75 | 43  | 86325  | 17.524 | ug/l 99  |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 216858 | 17.925 | ug/l 98  |
| 20) Methylene Chloride        | 2.84 | 84  | 70071  | 16.601 | ug/l 99  |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 66439  | 16.665 | ug/l 97  |
| 22) Diisopropyl ether         | 3.82 | 45  | 215598 | 17.626 | ug/l 99  |
| 23) Vinyl Acetate             | 3.79 | 43  | 956130 | 90.303 | ug/l 100 |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 120397 | 17.649 | ug/l 100 |
| 25) 2-Butanone                | 4.64 | 43  | 283898 | 89.872 | ug/l 100 |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 109921 | 17.414 | ug/l 100 |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 74801  | 17.431 | ug/l 100 |
| 28) Bromochloromethane        | 4.98 | 49  | 54999  | 17.796 | ug/l 100 |
| 29) Tetrahydrofuran           | 5.09 | 42  | 188253 | 89.493 | ug/l 100 |
| 30) Chloroform                | 5.18 | 83  | 120525 | 17.731 | ug/l 100 |
| 31) Cyclohexane               | 5.56 | 56  | 109936 | 17.272 | ug/l 98  |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 109385 | 17.725 | ug/l 100 |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 92222  | 17.121 | ug/l 98  |
| 37) Ethyl Acetate             | 4.79 | 43  | 110218 | 17.968 | ug/l 99  |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 95807  | 17.699 | ug/l 92  |

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 Quant Title : SW846 8260  
 QLast Update : Mon May 04 13:19:56 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 111734   | 17.394  | ug/l   | 98       |
| 40) Benzene                    | 6.12  | 78   | 273365   | 17.340  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 58209    | 17.571  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 98001    | 17.209  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.42  | 43   | 174906   | 17.919  | ug/l   | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 99401    | 17.051  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 70262    | 17.748  | ug/l   | 100      |
| 46) Dibromomethane             | 7.64  | 93   | 46471    | 17.263  | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.88  | 83   | 94233    | 17.435  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 81576    | 17.761  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 39734    | 357.675 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 538476   | 90.609  | ug/l   | 100      |
| 52) Toluene                    | 8.77  | 92   | 171844   | 17.692  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 112129   | 17.338  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 117394   | 17.277  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 66556    | 17.535  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 108438   | 18.058  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 117347   | 17.543  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 295918   | 90.465  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.47  | 43   | 420097   | 90.203  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 72130    | 17.637  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 71640    | 17.455  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 109850   | 17.464  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.12 | 112  | 180522   | 17.189  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 66962    | 17.525  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 325000   | 17.395  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.34 | 106  | 242895   | 35.005  | ug/l   | 98       |
| 69) o-Xylene                   | 10.68 | 106  | 117600   | 17.709  | ug/l   | 100      |
| 70) Styrene                    | 10.70 | 104  | 193315   | 17.486  | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 52899    | 17.791  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.00 | 105  | 315958   | 17.628  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 145125   | 17.704  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 49984    | 19.106  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 130542   | 18.517  | ug/l   | 83       |
| 77) Bromobenzene               | 11.24 | 156  | 79529    | 17.170  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.34 | 91   | 358791   | 17.254  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 211561   | 17.202  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 262505   | 17.590  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 39441    | 17.483  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 247064   | 17.114  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 224185   | 17.443  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 264951   | 17.523  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 302376   | 17.344  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 284241   | 17.626  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 137351   | 16.502  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 140852   | 16.902  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 248345   | 16.924  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 47036    | 17.551  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 137435   | 17.211  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 23943    | 16.605  | ug/l   | 100      |

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Sample : VSTDICC020  
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ALS Vial : 5 Sample Multiplier: 1

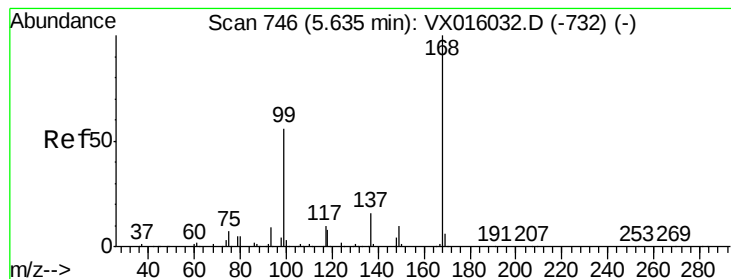
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Quant Time: May 04 13:26:47 2020  
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Quant Title : SW846 8260  
QLast Update : Mon May 04 13:19:56 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 97459    | 16.550 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 44249    | 15.999 | ug/l  | 98       |
| 95) Naphthalene            | 13.82 | 128  | 325048   | 17.145 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 96333    | 16.719 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

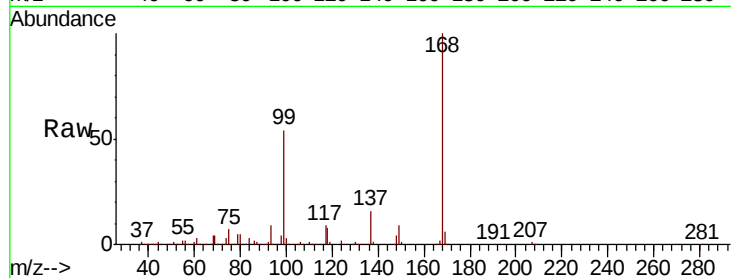
VSTDIC020

Tot Ion:168 Resp: 338965

Ion Ratio Lower Upper

168 100

99 53.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

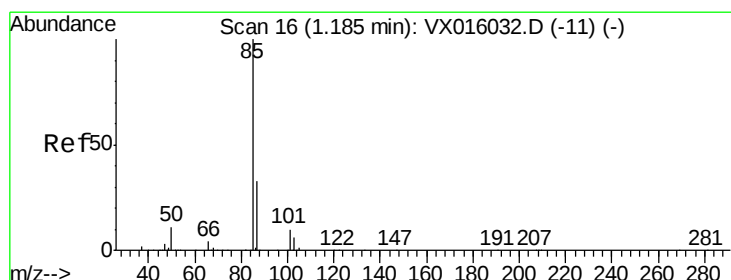
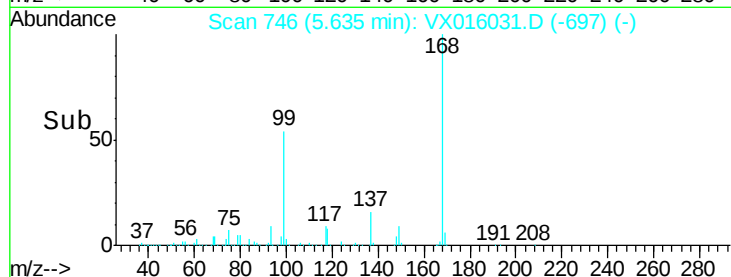
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.100 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016031.D

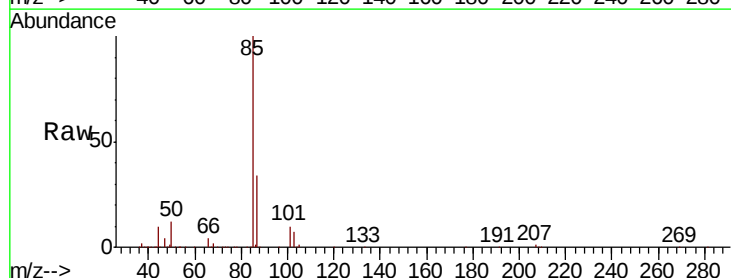
Acq: 04 May 2020 12:25

Tgt Ion: 85 Resp: 64639

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

80000

60000

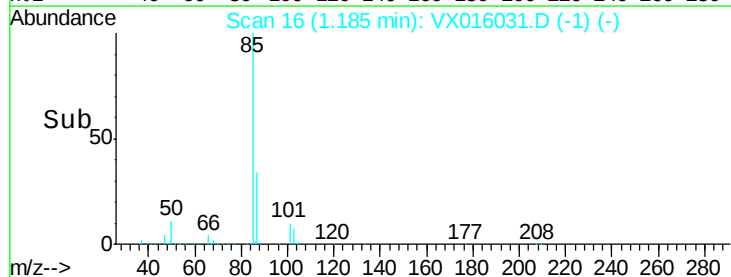
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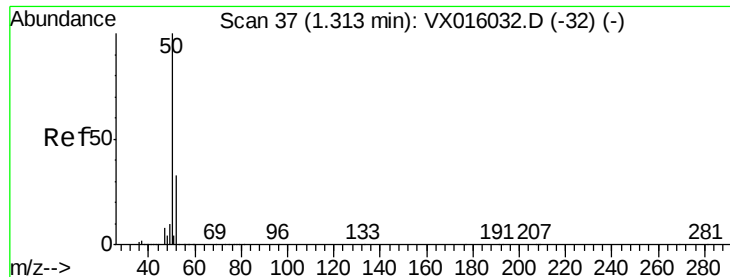
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Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.239 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

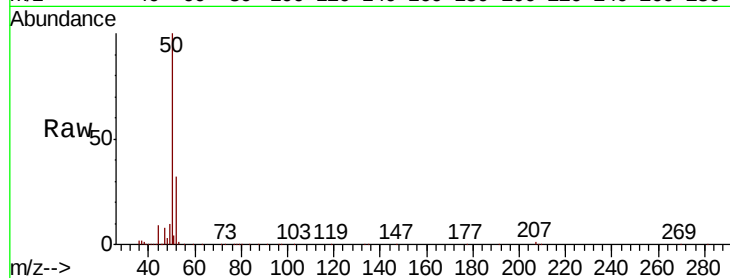
VSTDIC020

Tot Ion: 50 Resp: 73640

Ion Ratio Lower Upper

50 100

52 31.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

80000

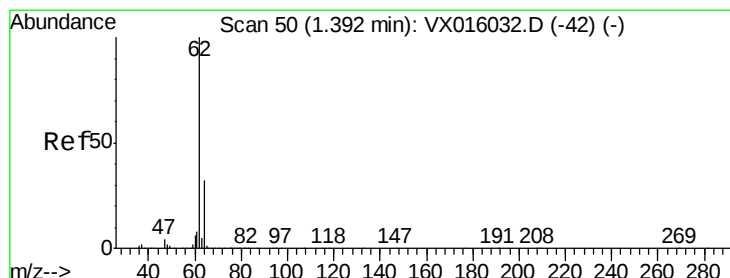
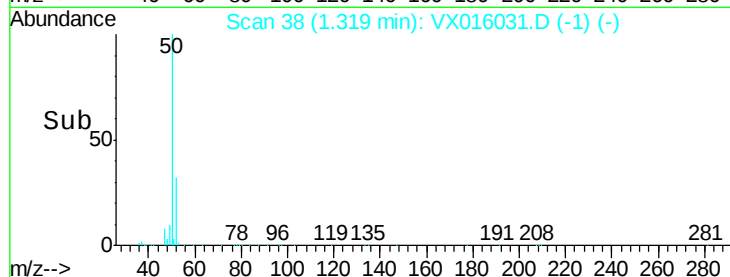
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40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 17.755 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016031.D

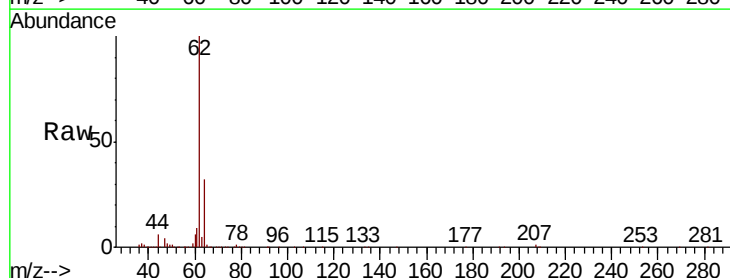
Acq: 04 May 2020 12:25

Tgt Ion: 62 Resp: 79890

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

100000

80000

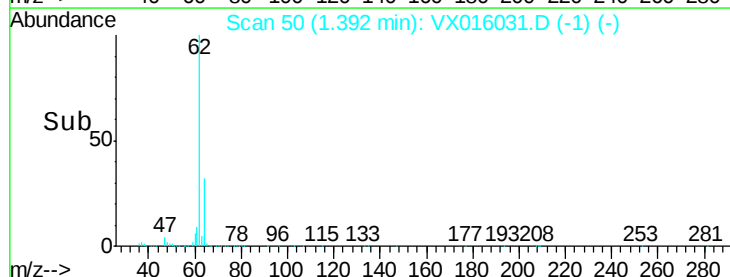
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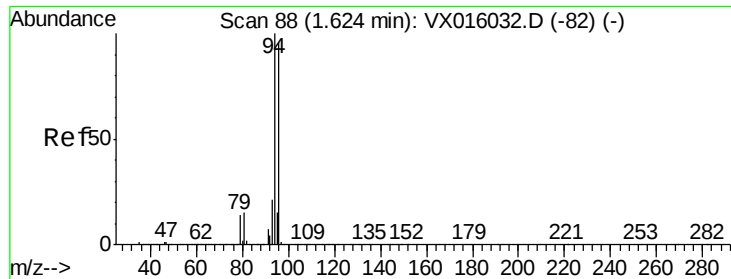
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20000

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Time-->





#5

Bromomethane

Concen: 18.834 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

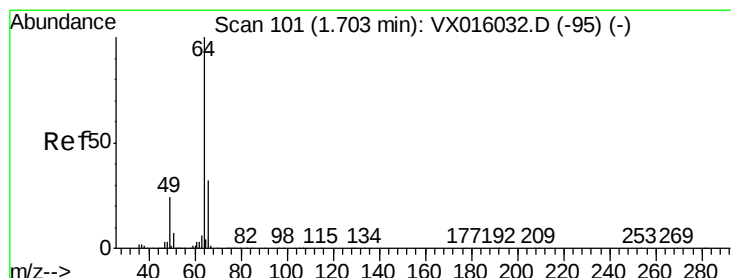
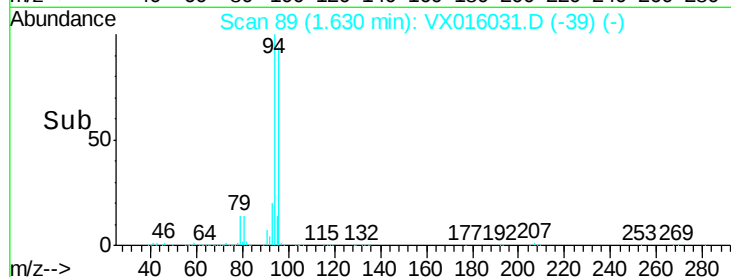
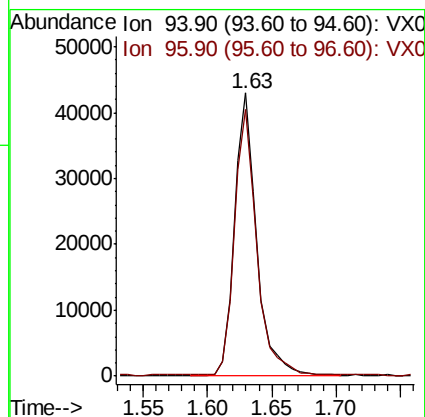
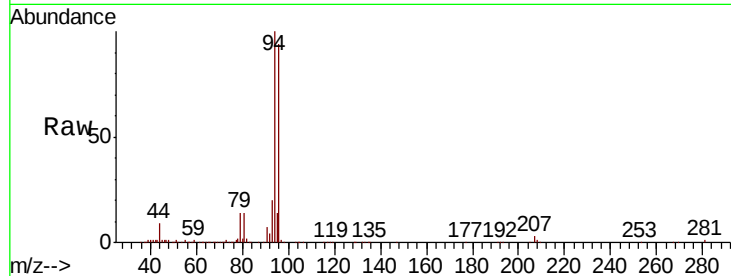
VSTDIC020

Tot Ion: 94 Resp: 51398

Ion Ratio Lower Upper

94 100

96 94.1 76.9 115.3



#6

Chloroethane

Concen: 17.385 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016031.D

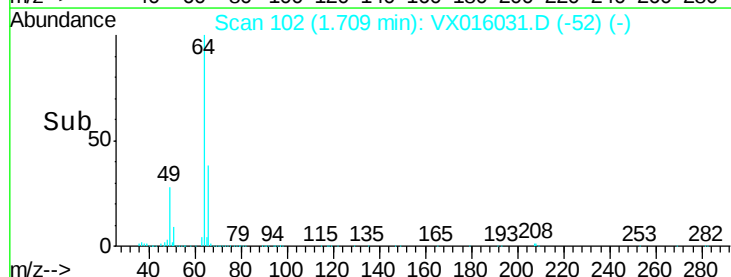
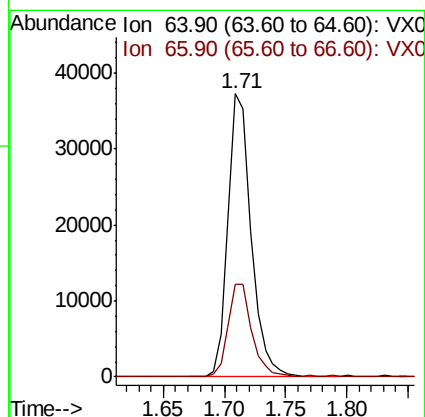
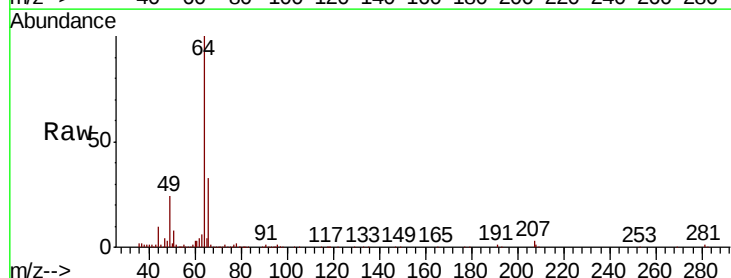
Acq: 04 May 2020 12:25

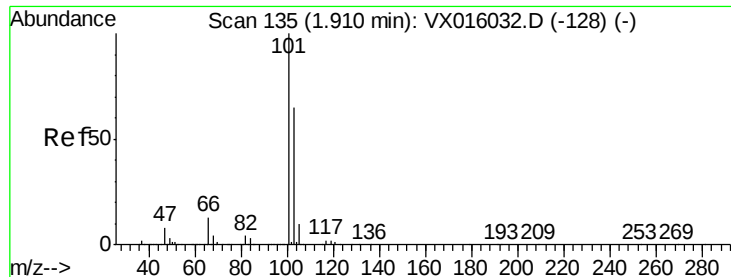
Tgt Ion: 64 Resp: 49026

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8



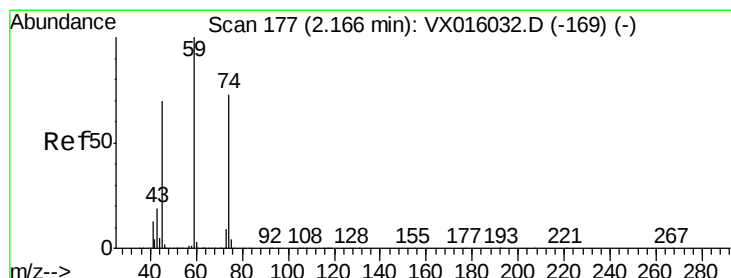
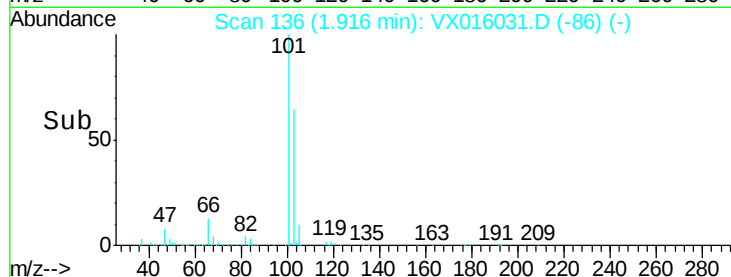
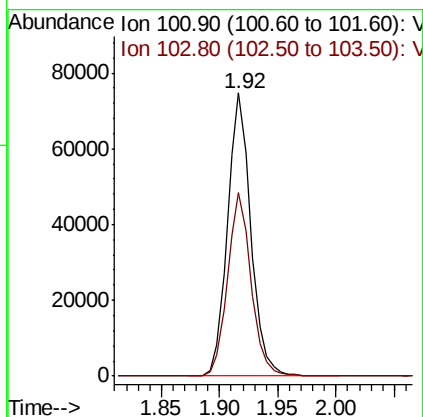
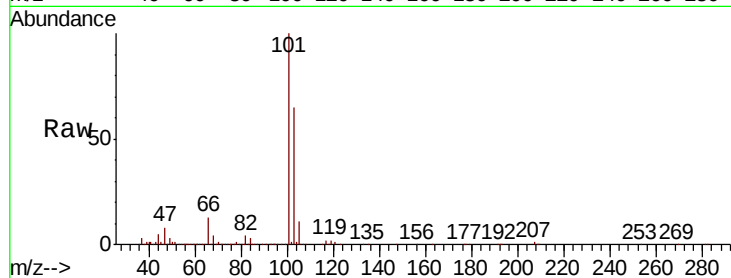


#7

Trichlorofluoromethane  
Concen: 17.640 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. 0.01 min  
Lab File: VX016031.D  
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ClientSampleId :  
VSTDIC020

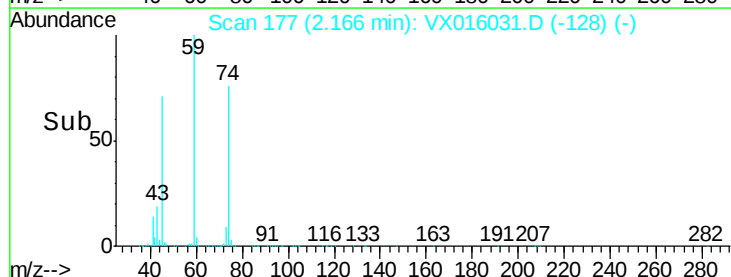
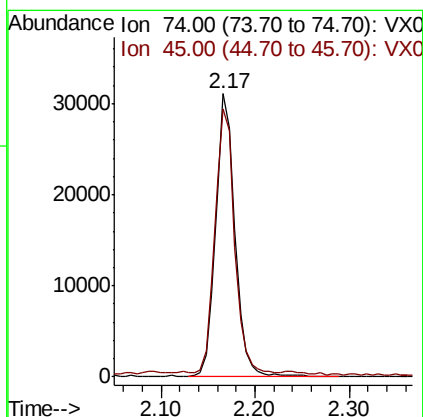
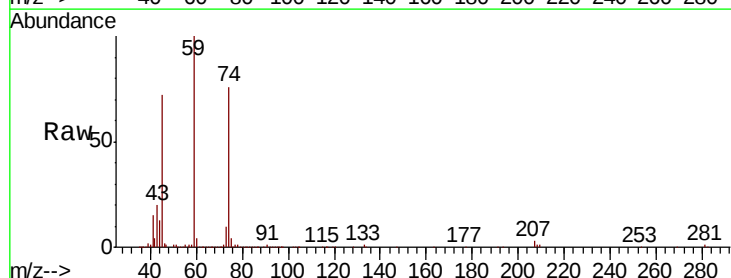
Tot Ion:101 Resp: 103786  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.8 77.6

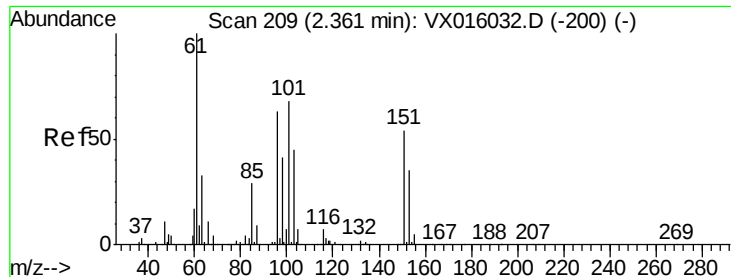


#8

Diethyl Ether  
Concen: 17.539 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 74 Resp: 43690  
Ion Ratio Lower Upper  
74 100  
45 94.7 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.478 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

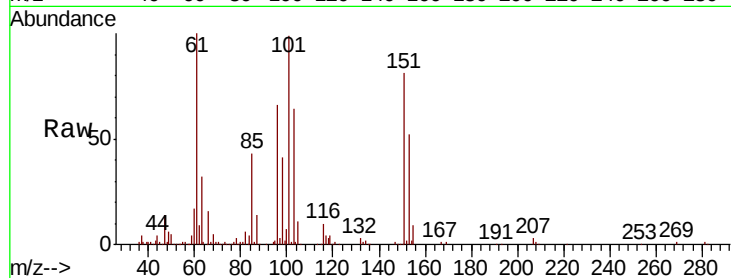
Tot Ion:101 Resp: 59177

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

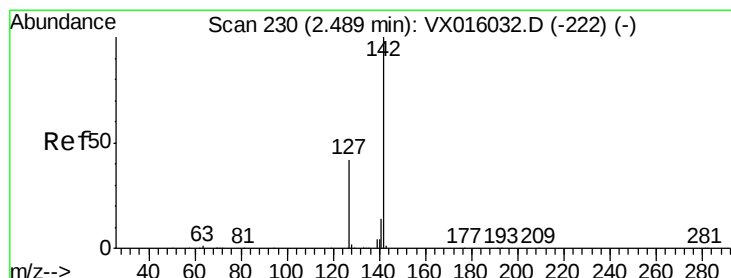
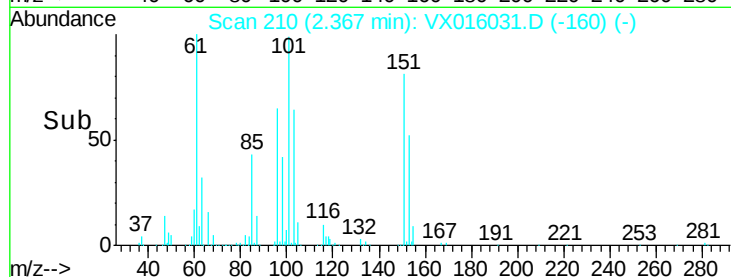
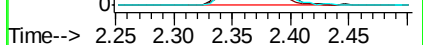
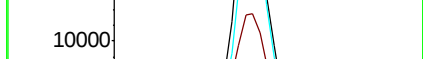
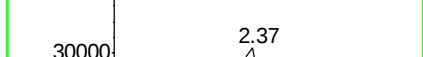
151 80.5 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.030 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

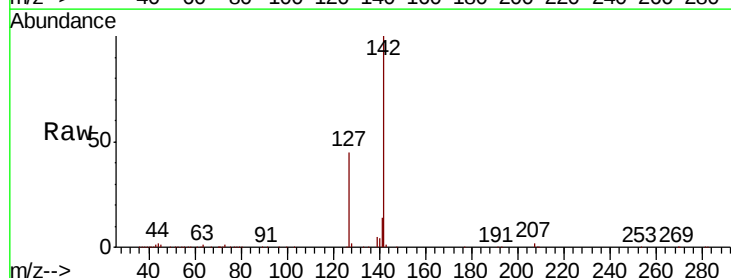
Tgt Ion:142 Resp: 78018

Ion Ratio Lower Upper

142 100

127 44.1 34.6 52.0

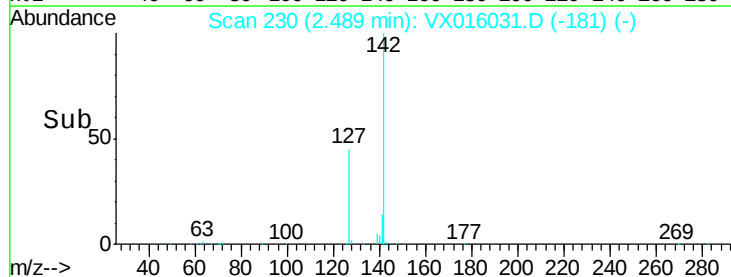
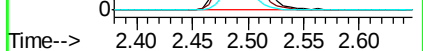
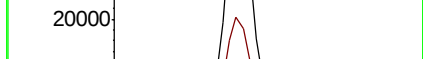
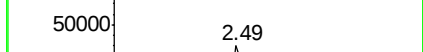
141 14.1 11.3 16.9

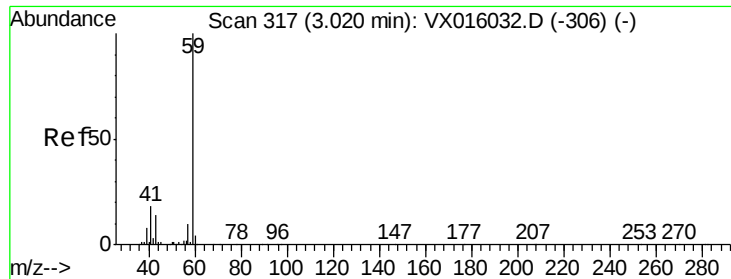


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



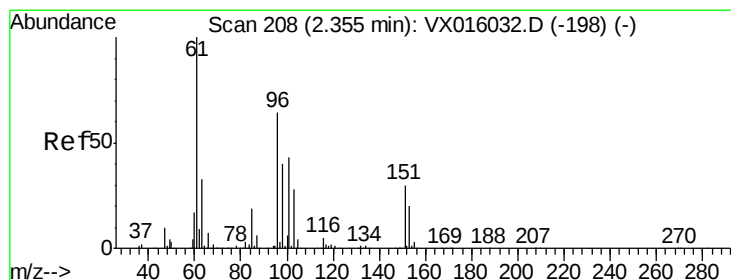
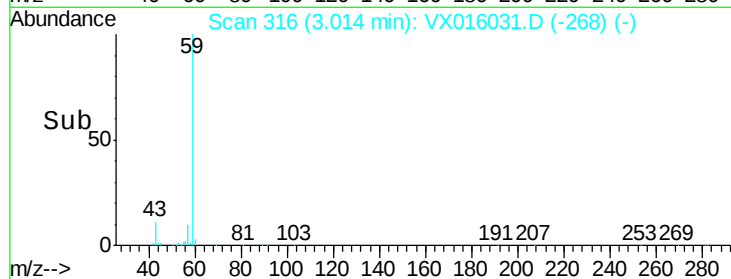
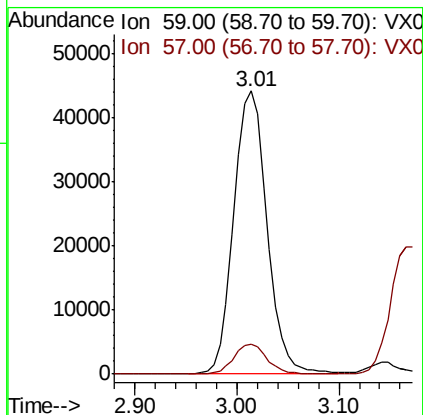
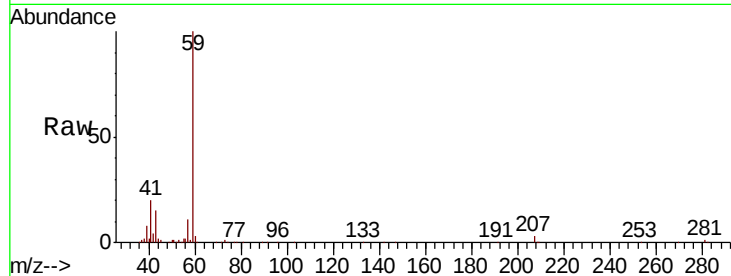


#11

Tert butyl alcohol  
 Concen: 90.573 ug/l  
 RT: 3.01 min Scan# 316  
 Delta R.T. -0.01 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

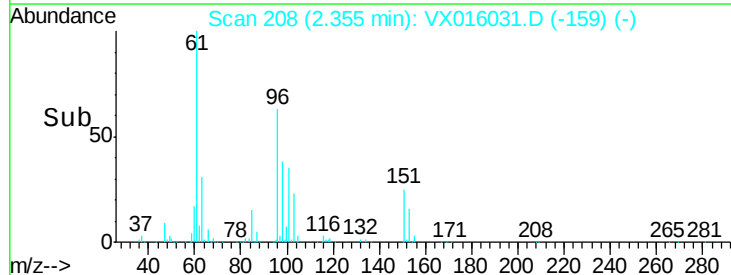
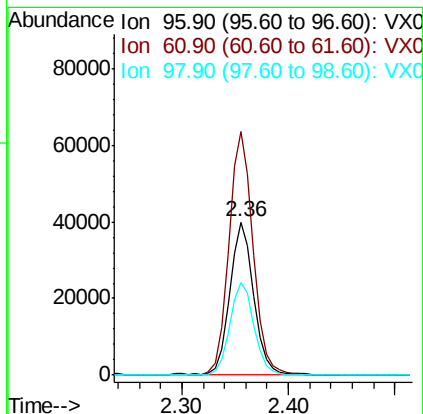
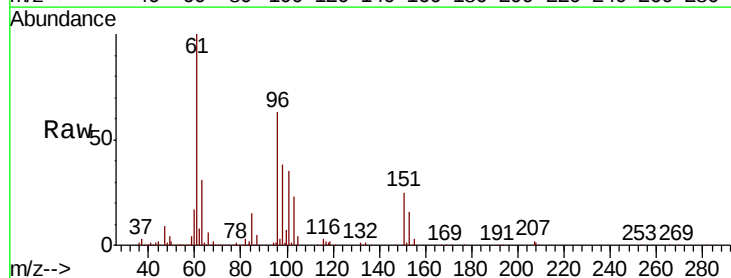
Tot Ion: 59 Resp: 100028  
 Ion Ratio Lower Upper  
 59 100  
 57 10.5 8.2 12.4

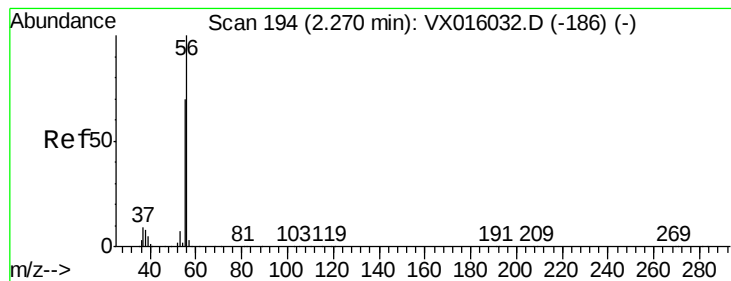


#12

1,1-Dichloroethene  
 Concen: 17.453 ug/l  
 RT: 2.36 min Scan# 208  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Tgt Ion: 96 Resp: 61916  
 Ion Ratio Lower Upper  
 96 100  
 61 159.8 124.8 187.2  
 98 61.1 49.7 74.5





#13

Acrolein

Concen: 86.989 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

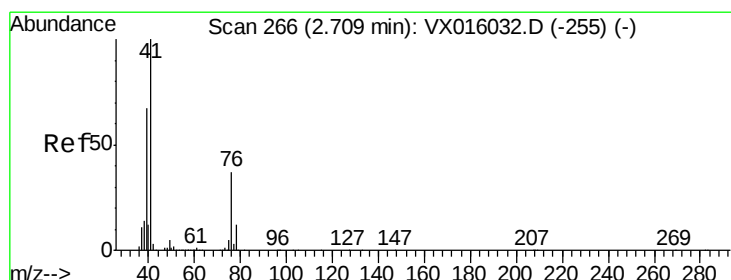
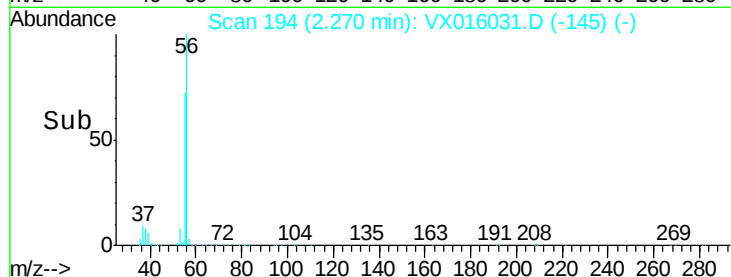
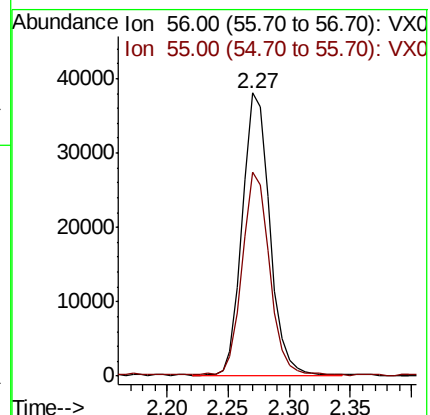
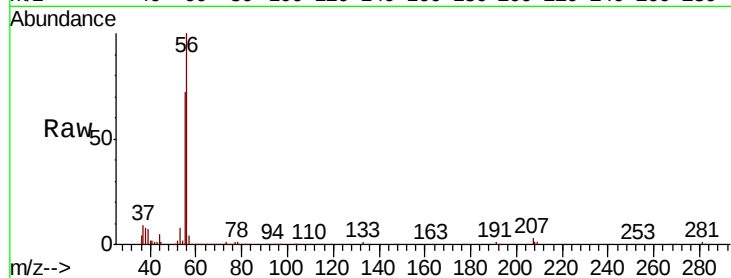
VSTDIC020

Tot Ion: 56 Resp: 58884

Ion Ratio Lower Upper

56 100

55 71.9 56.5 84.7



#14

Allyl chloride

Concen: 17.540 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

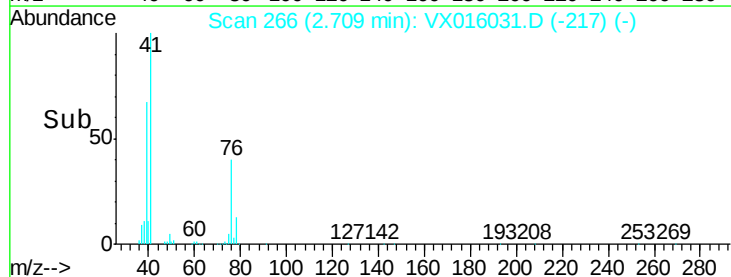
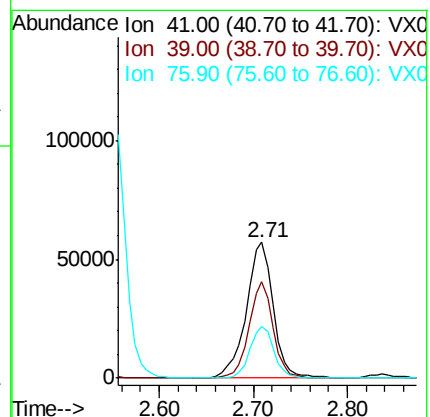
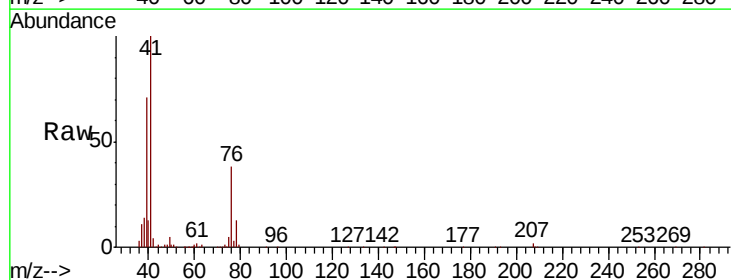
Tgt Ion: 41 Resp: 113648

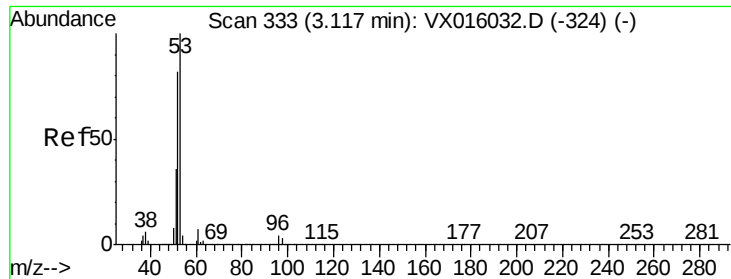
Ion Ratio Lower Upper

41 100

39 63.5 50.5 75.7

76 34.2 26.6 40.0

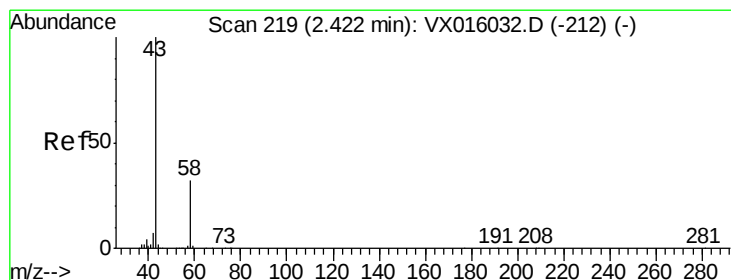
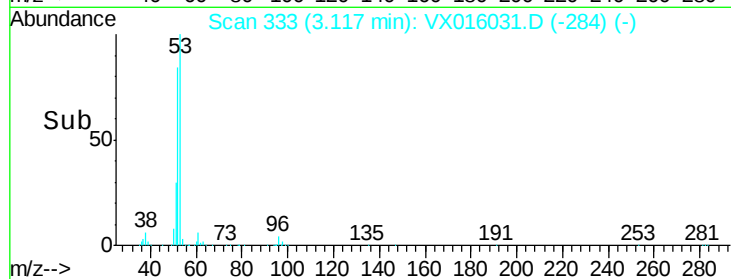
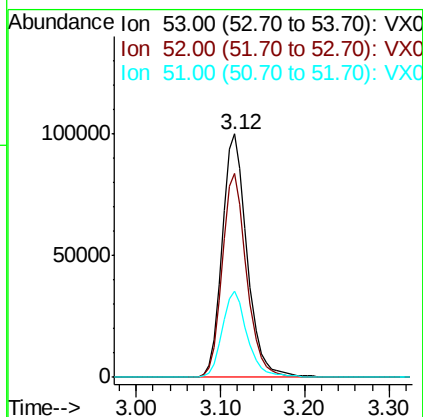
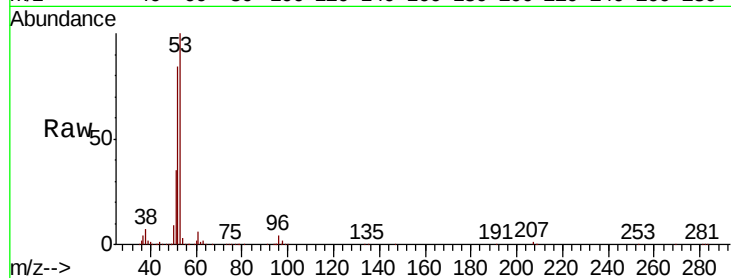




#15  
 Acrylonitrile  
 Concen: 86.978 ug/l  
 RT: 3.12 min Scan# 333  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

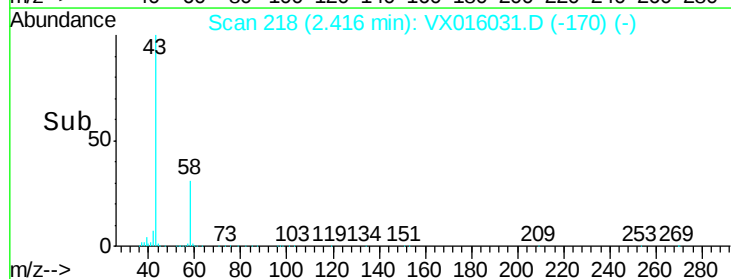
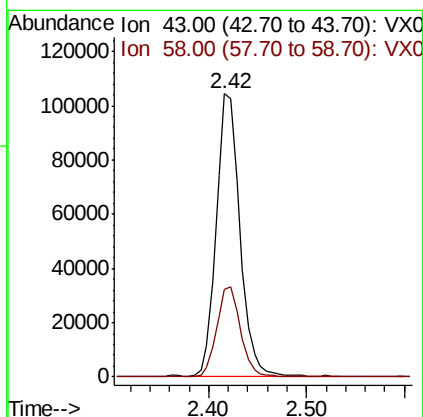
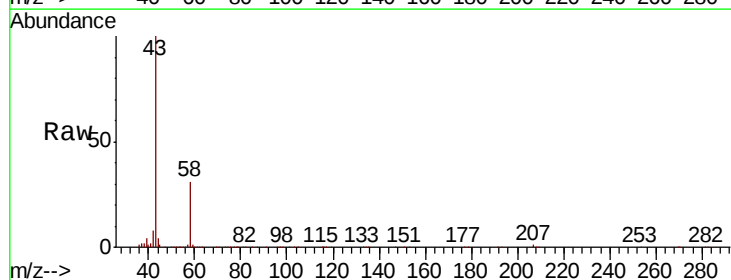
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

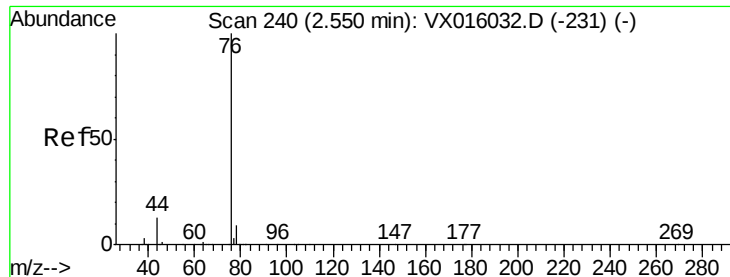
| Tot Ion   | 53    | Resp  | 202842 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.2  | 66.1  | 99.1   |
| 51        | 35.6  | 28.8  | 43.2   |



#16  
 Acetone  
 Concen: 87.327 ug/l  
 RT: 2.42 min Scan# 218  
 Delta R.T. -0.01 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

| Tgt Ion   | 43    | Resp  | 174604 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.1  | 25.4  | 38.0   |





#17

Carbon Disulfide

Concen: 15.103 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

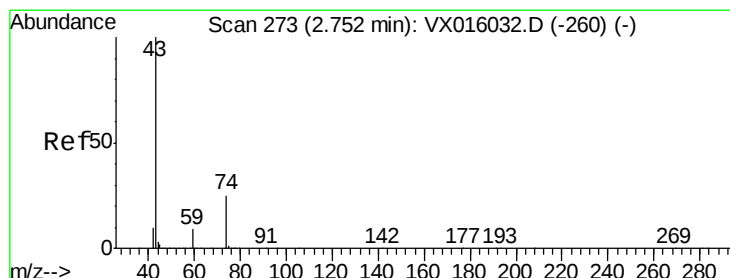
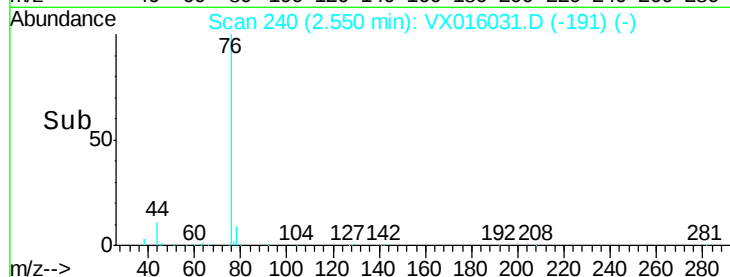
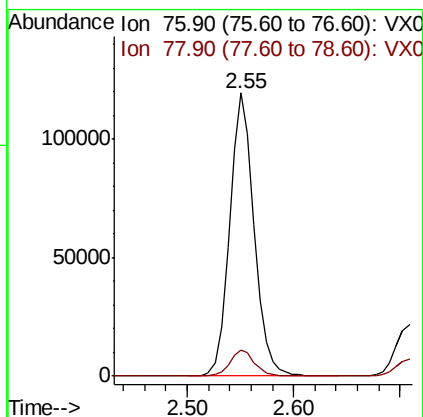
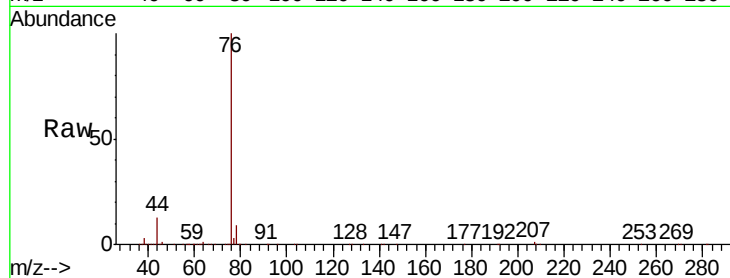
VSTDIC020

Tot Ion: 76 Resp: 191541

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



#18

Methyl Acetate

Concen: 17.524 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016031.D

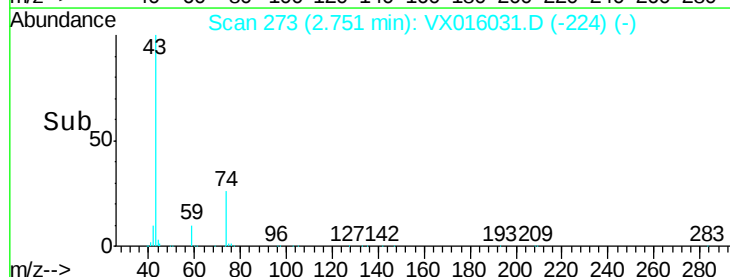
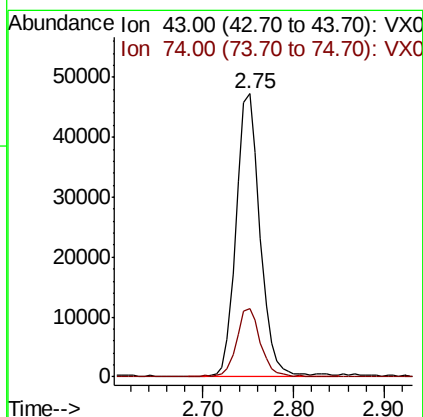
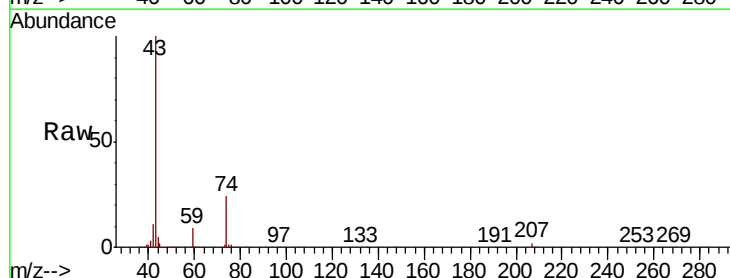
Acq: 04 May 2020 12:25

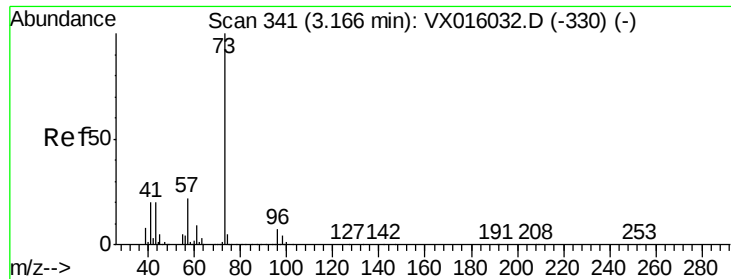
Tgt Ion: 43 Resp: 86325

Ion Ratio Lower Upper

43 100

74 24.8 20.2 30.2



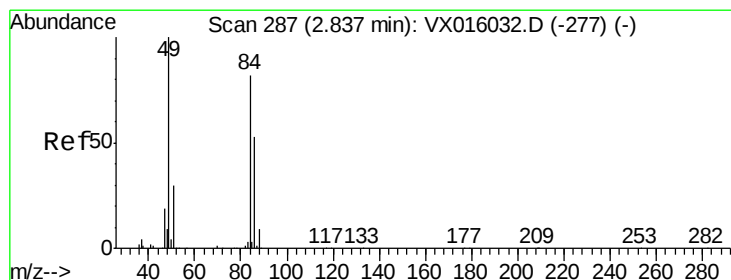
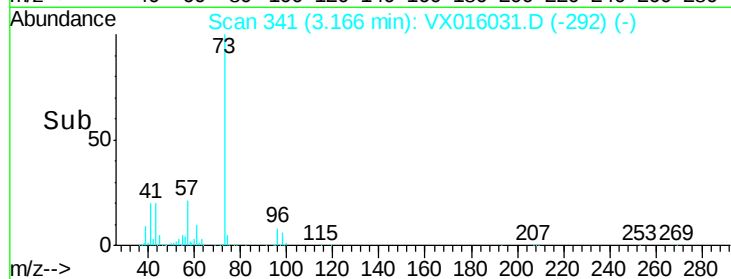
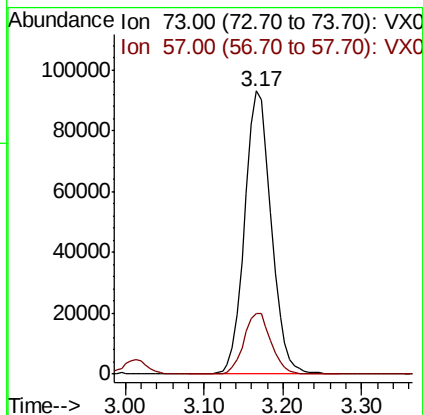
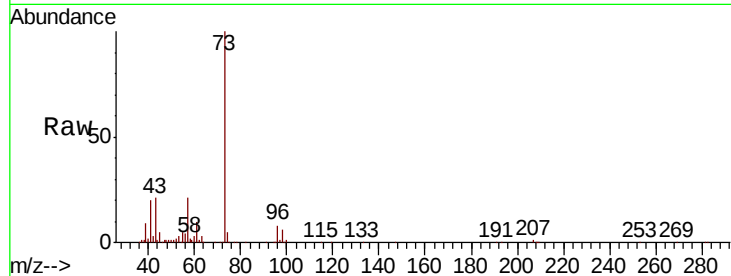


#19

Methyl tert-butyl Ether  
 Concen: 17.925 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC020

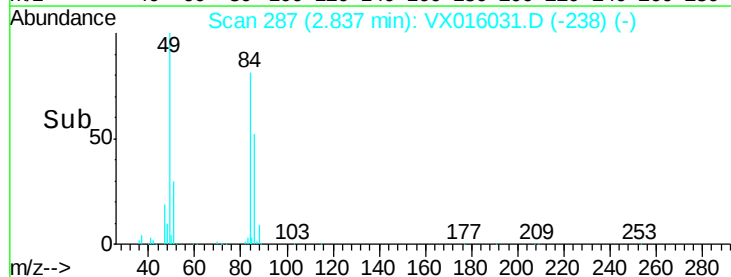
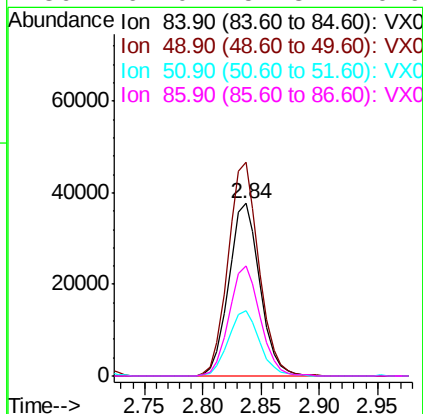
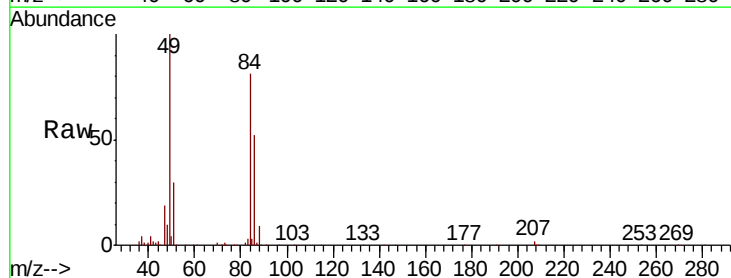
Tot Ion: 73 Resp: 216858  
 Ion Ratio Lower Upper  
 73 100  
 57 21.3 17.8 26.6

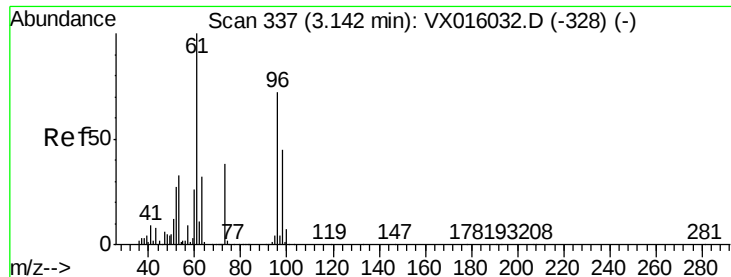


#20

Methylene Chloride  
 Concen: 16.601 ug/l  
 RT: 2.84 min Scan# 287  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Tgt Ion: 84 Resp: 70071  
 Ion Ratio Lower Upper  
 84 100  
 49 123.8 97.3 145.9  
 51 37.6 29.3 43.9  
 86 64.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 16.665 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

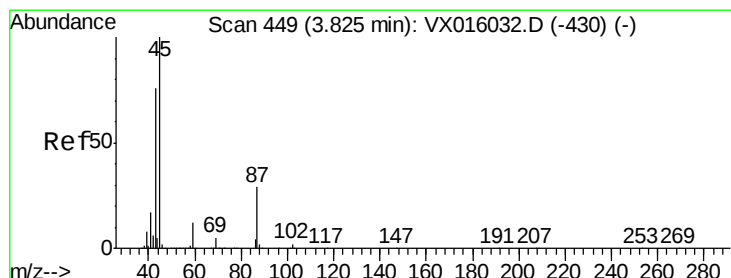
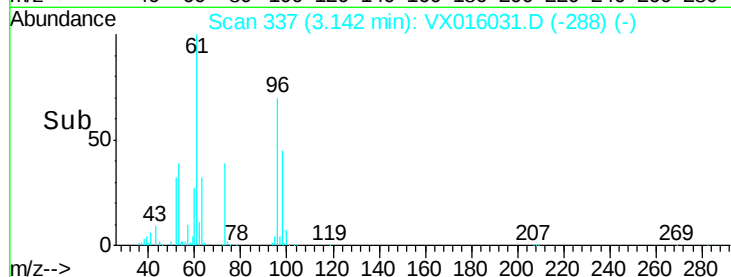
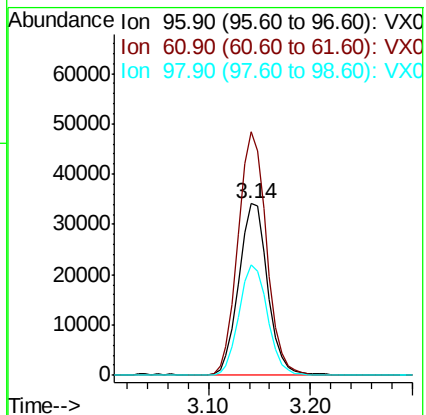
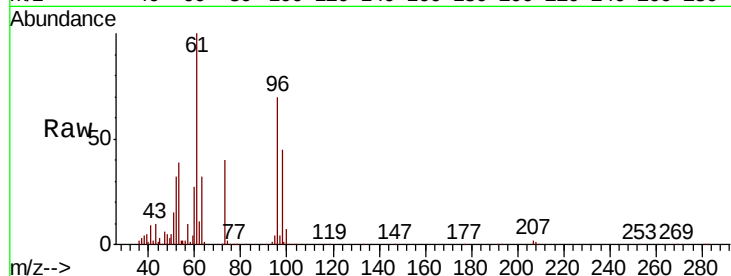
Tot Ion: 96 Resp: 66439

Ion Ratio Lower Upper

96 100

61 142.7 111.2 166.8

98 64.6 50.2 75.4



#22

Diisopropyl ether

Concen: 17.626 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion: 45 Resp: 215598

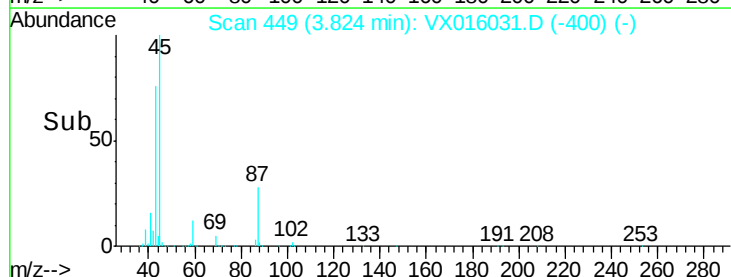
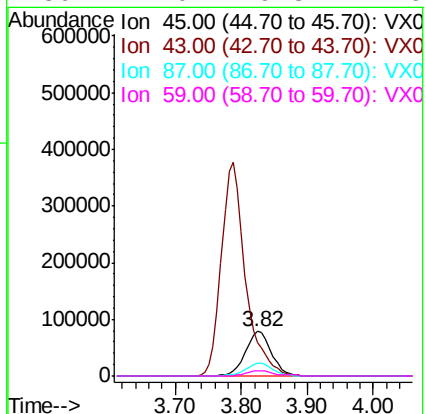
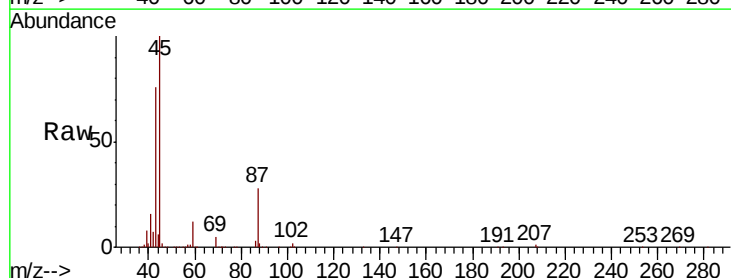
Ion Ratio Lower Upper

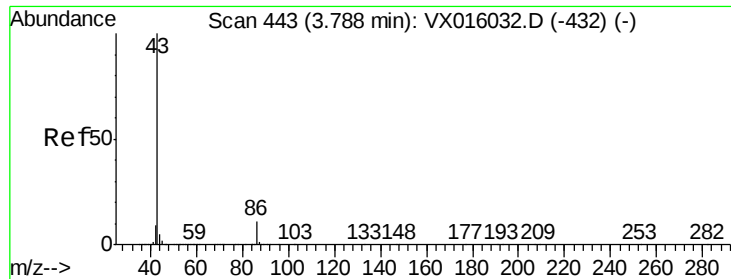
45 100

43 75.5 61.1 91.7

87 27.9 23.0 34.6

59 12.0 9.8 14.6





#23

Vinyl Acetate

Concen: 90.303 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

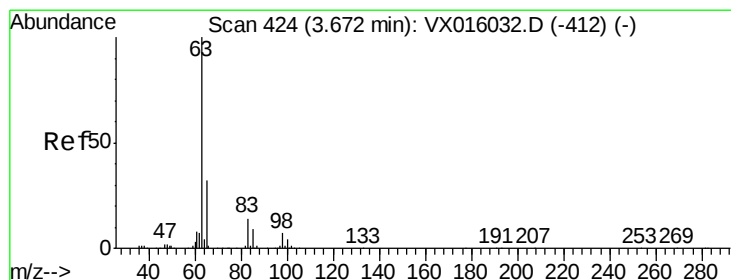
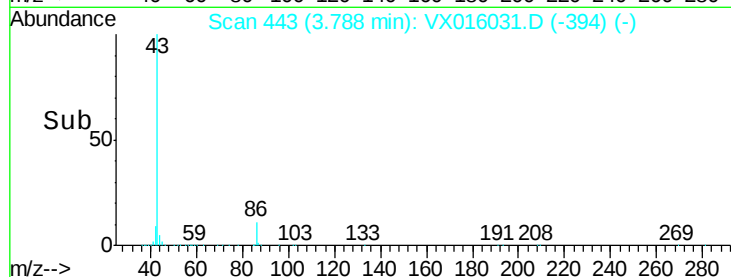
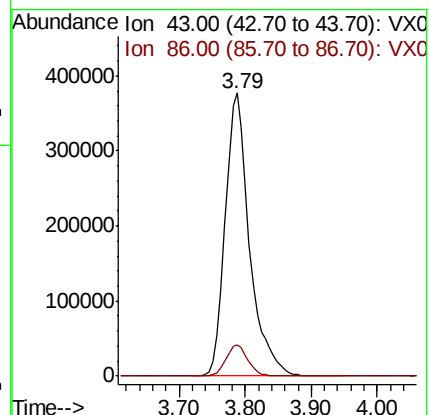
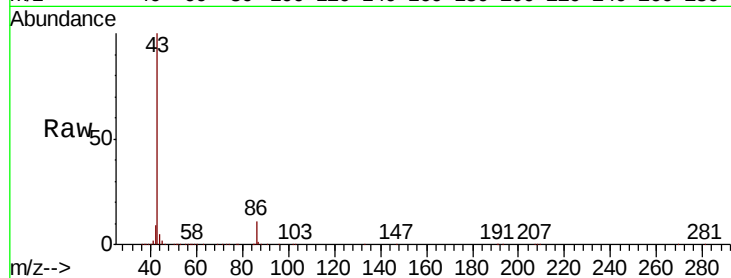
VSTDIC020

Tot Ion: 43 Resp: 956130

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 17.649 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

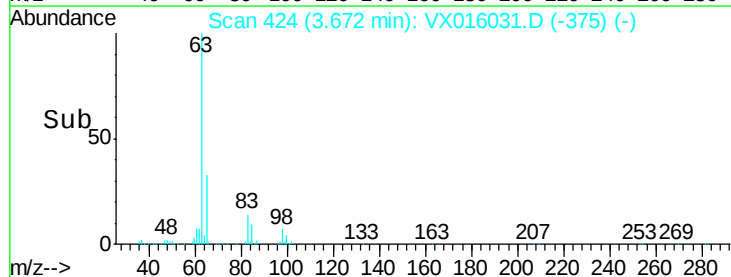
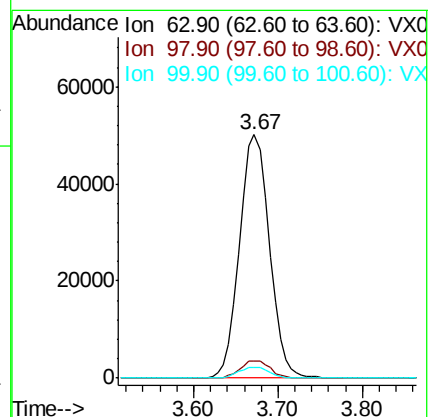
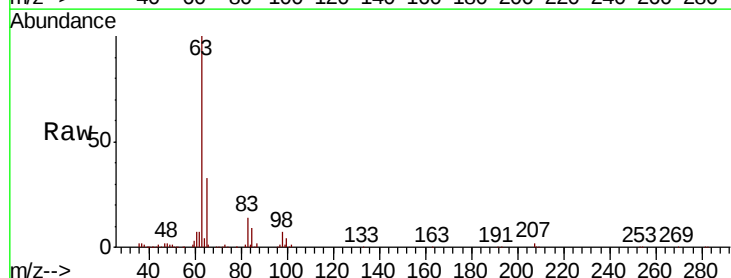
Tgt Ion: 63 Resp: 120397

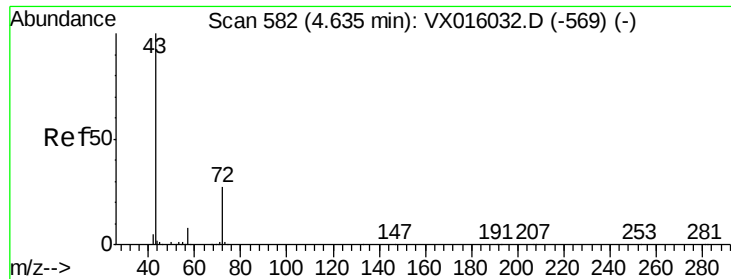
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.3 2.1 6.5

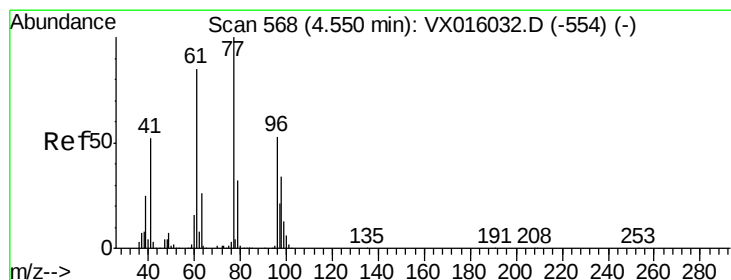
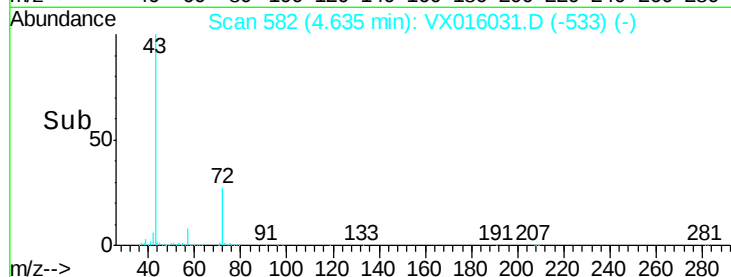
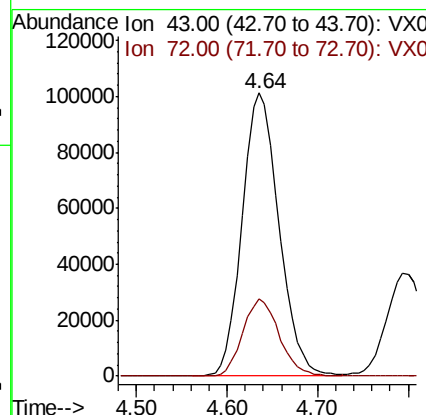
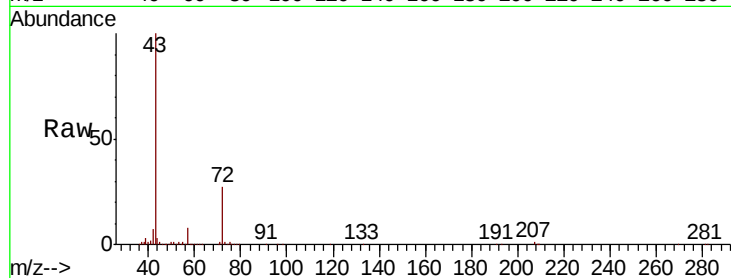




#25  
2-Butanone  
Concen: 89.872 ug/l  
RT: 4.64 min Scan# 582  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

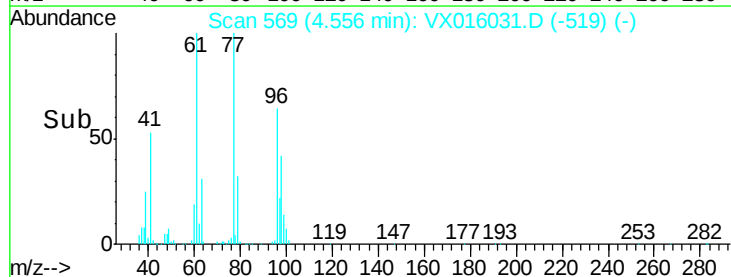
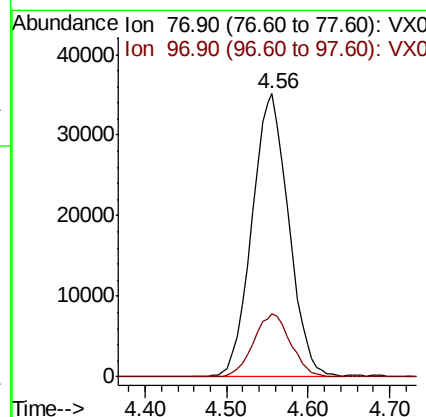
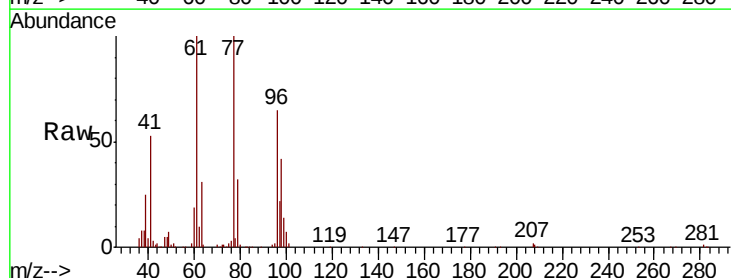
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

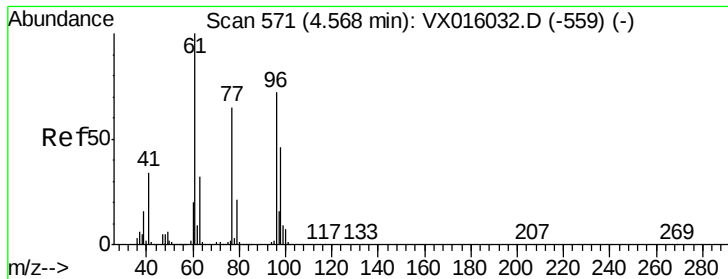
Tot Ion: 43 Resp: 283898  
Ion Ratio Lower Upper  
43 100  
72 27.2 21.8 32.8



#26  
2,2-Dichloropropane  
Concen: 17.414 ug/l  
RT: 4.56 min Scan# 569  
Delta R.T. 0.01 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 77 Resp: 109921  
Ion Ratio Lower Upper  
77 100  
97 22.5 11.2 33.6



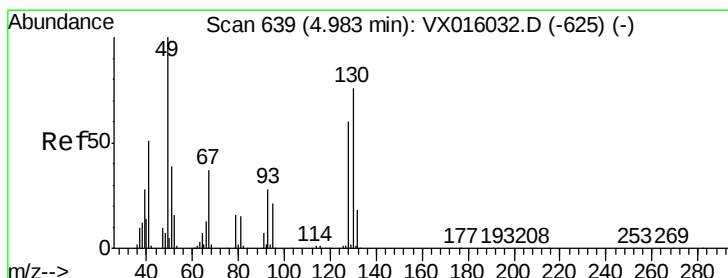
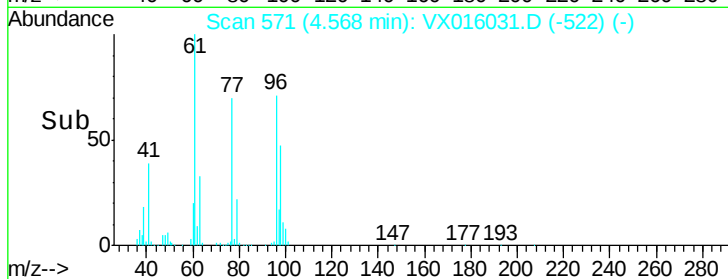
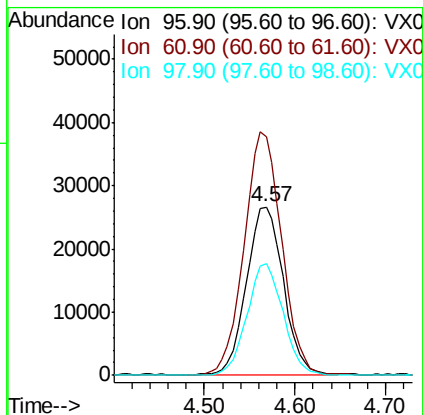
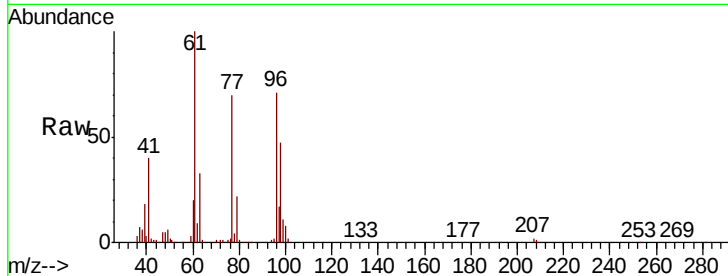


#27

cis-1,2-Dichloroethene  
Concen: 17.431 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

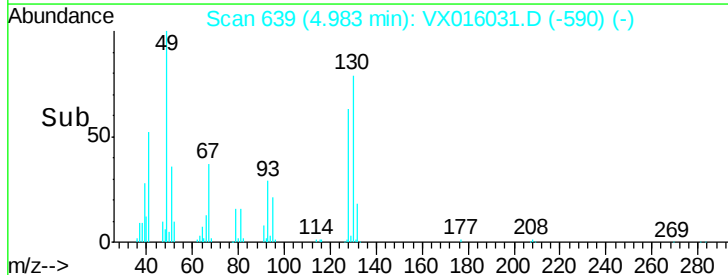
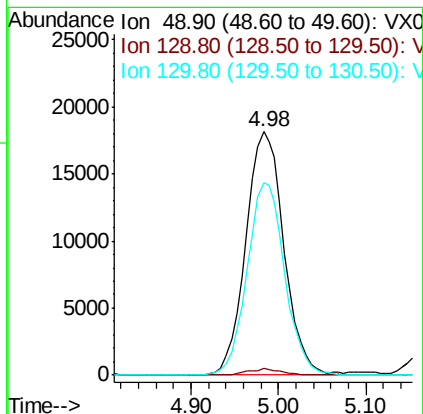
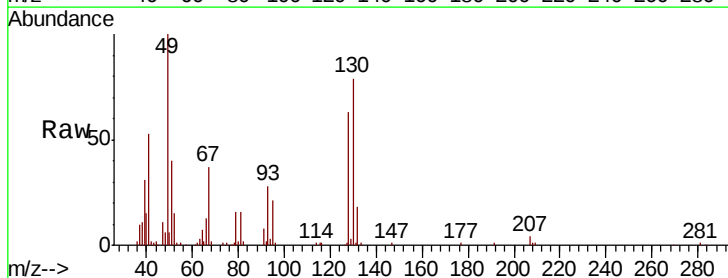
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.0 | 0.0   | 296.2 |
| 98      | 65.2  | 0.0   | 129.4 |

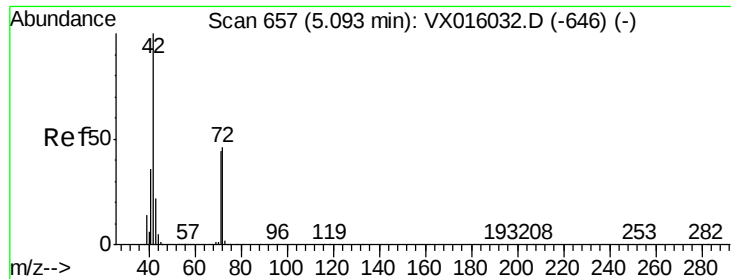


#28

Bromochloromethane  
Concen: 17.796 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 4.0   |
| 130     | 78.0  | 62.4  | 93.6  |





#29

Tetrahydrofuran

Concen: 89.493 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

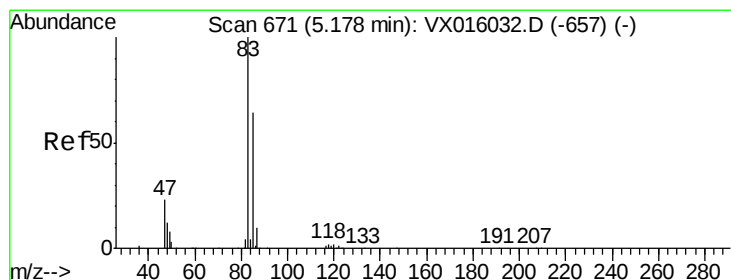
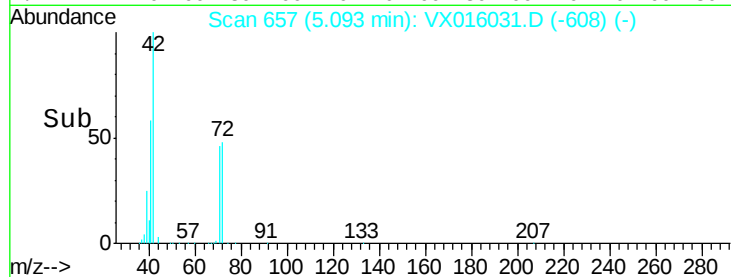
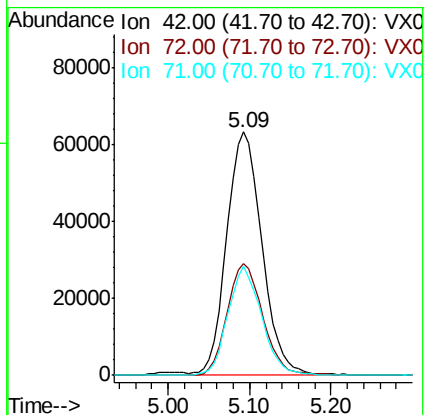
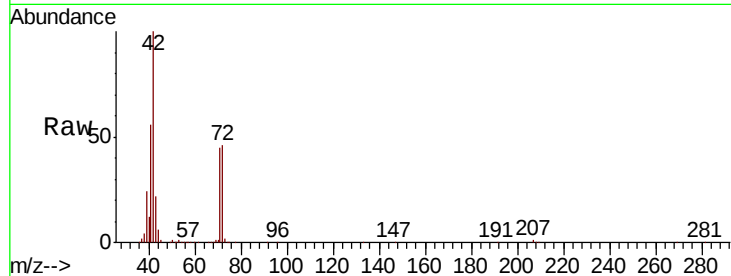
Tot Ion: 42 Resp: 188253

Ion Ratio Lower Upper

42 100

72 46.8 37.1 55.7

71 43.1 34.5 51.7



#30

Chloroform

Concen: 17.731 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016031.D

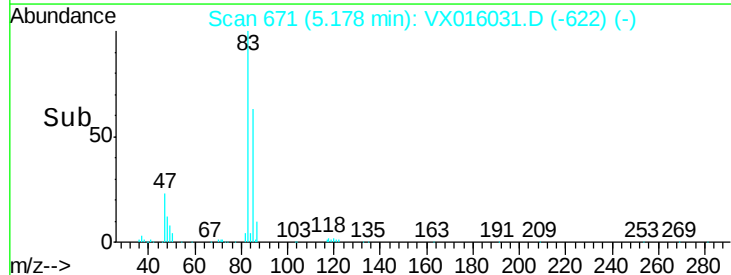
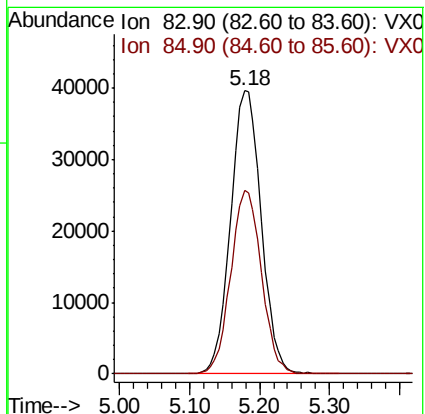
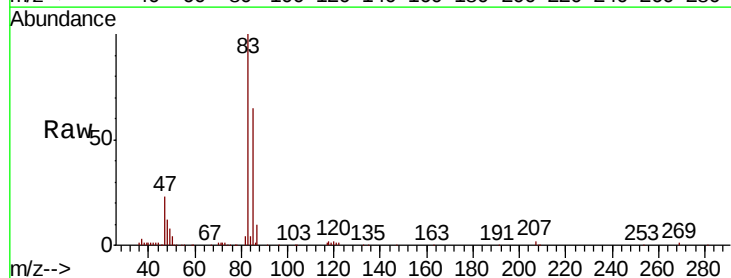
Acq: 04 May 2020 12:25

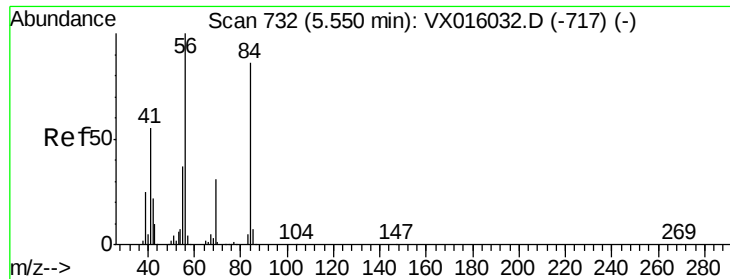
Tgt Ion: 83 Resp: 120525

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

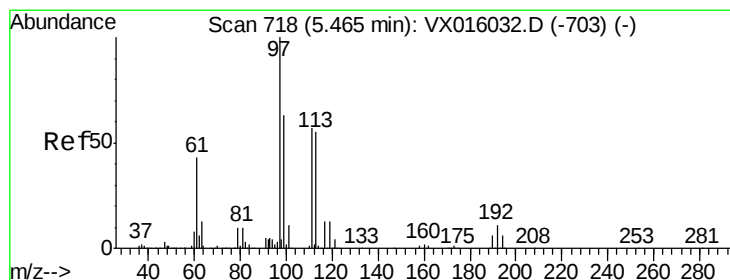
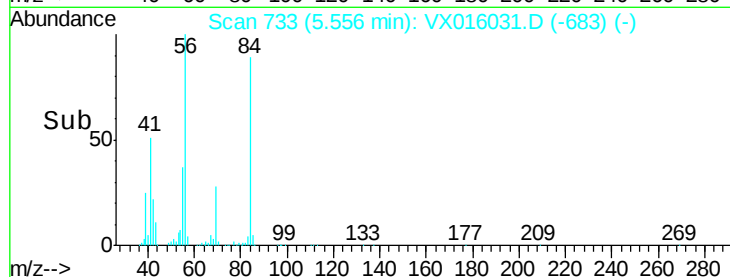
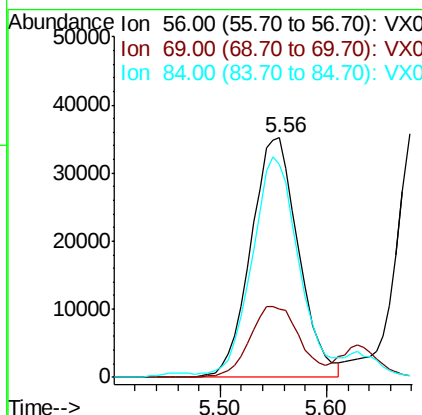
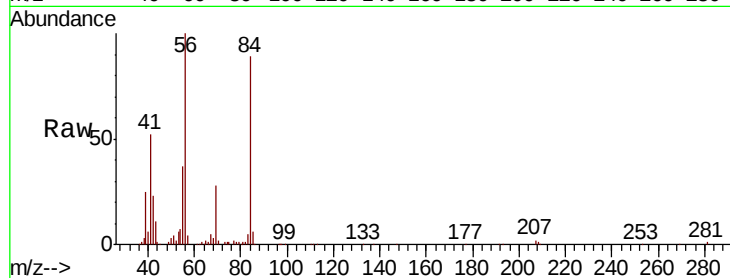




#31  
Cvclohexane  
Concen: 17.272 ug/l  
RT: 5.56 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

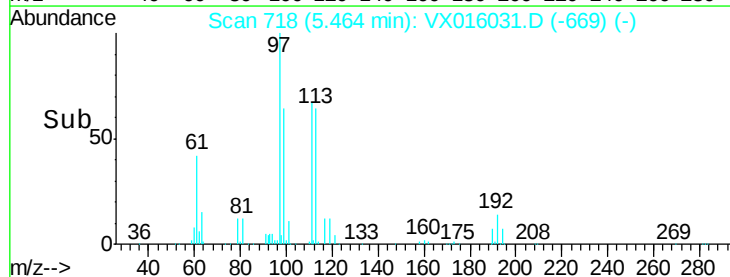
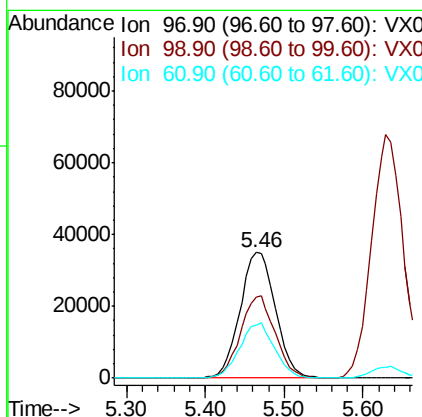
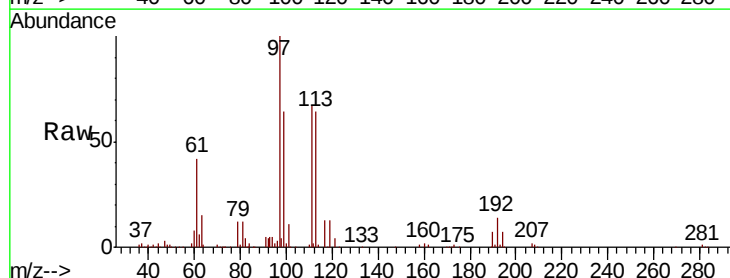
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

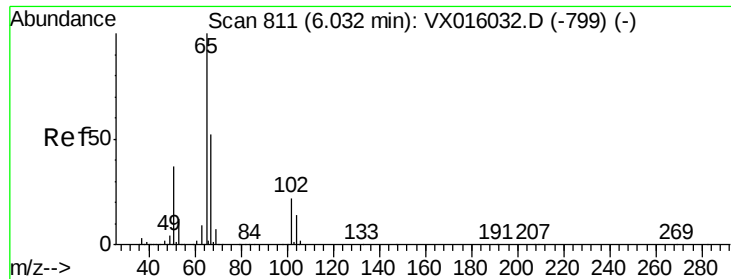
| Tot Ion | 56    | Resp  | 109936 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 28.2  | 25.0  | 37.6   |
| 84      | 87.6  | 69.0  | 103.6  |



#32  
1,1,1-Trichloroethane  
Concen: 17.725 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

| Tgt Ion | 97    | Resp  | 109385 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 99      | 63.5  | 51.0  | 76.4   |
| 61      | 43.3  | 34.5  | 51.7   |





#33

1,2-Dichloroethane-d4

Concen: 16.943 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

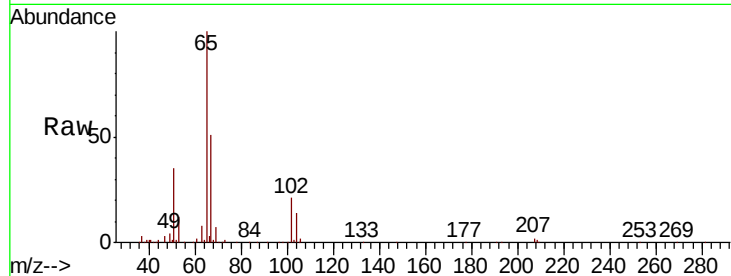
VSTDIC020

Tot Ion: 65 Resp: 87510

Ion Ratio Lower Upper

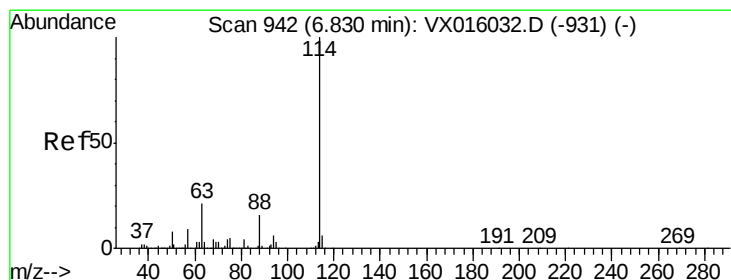
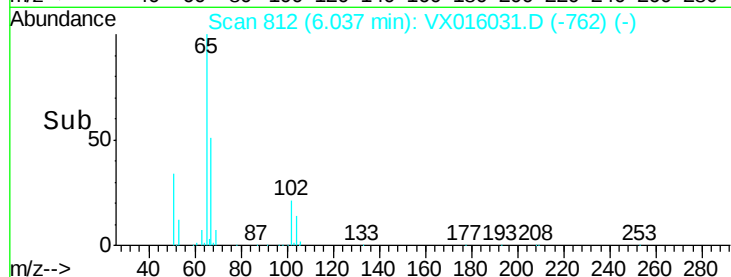
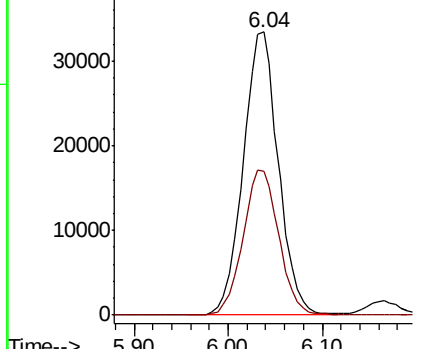
65 100

67 52.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

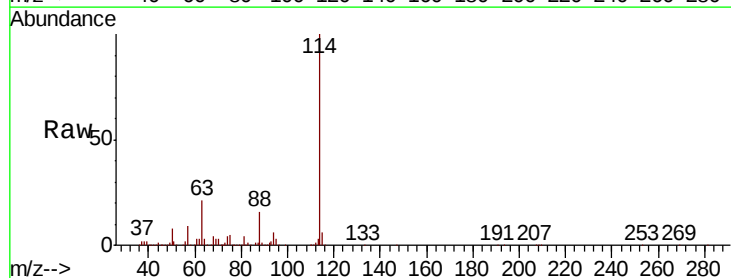
Tgt Ion: 114 Resp: 539654

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

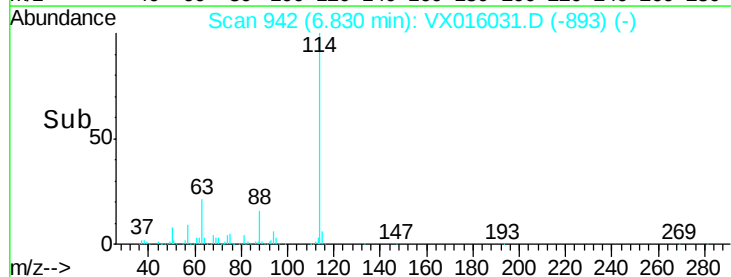
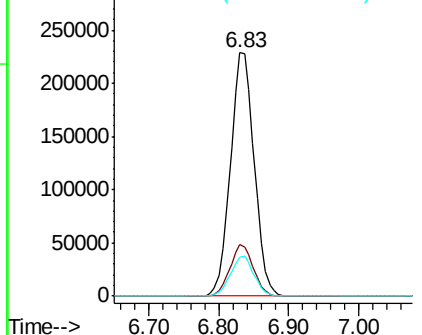
88 16.0 0.0 31.4

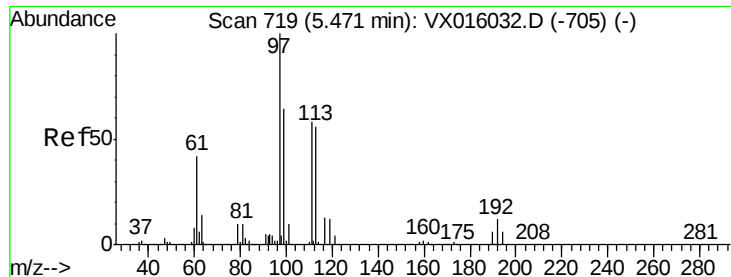


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

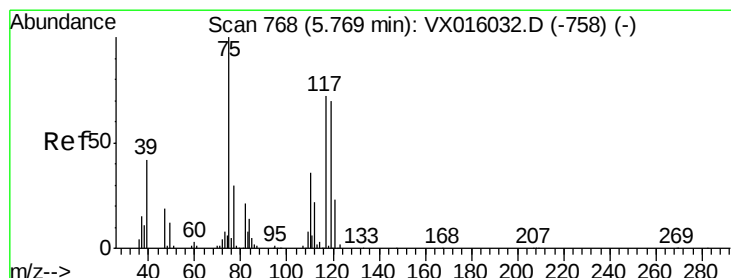
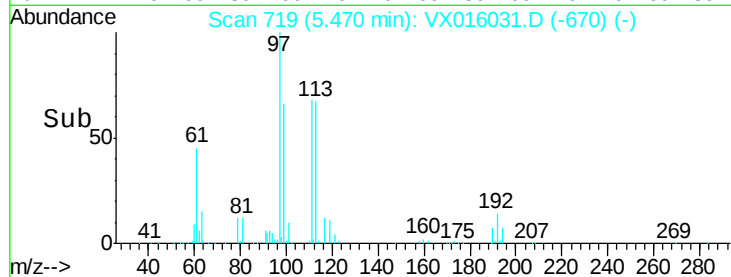
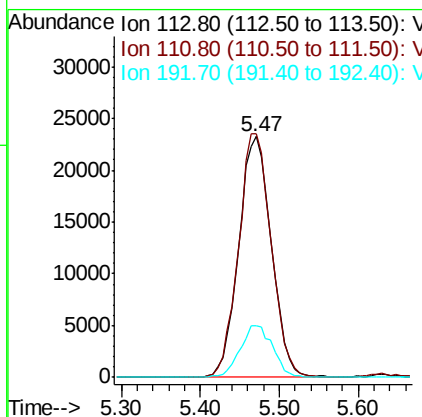
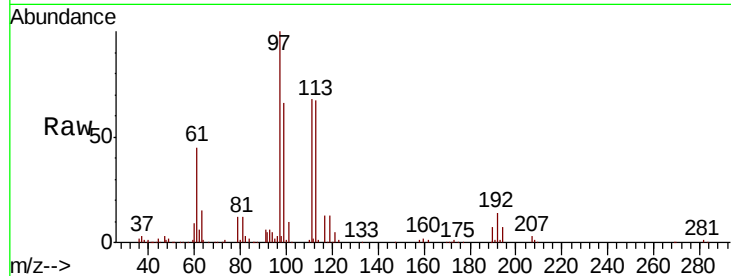




#35  
 Dibromofluoromethane  
 Concen: 17.517 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

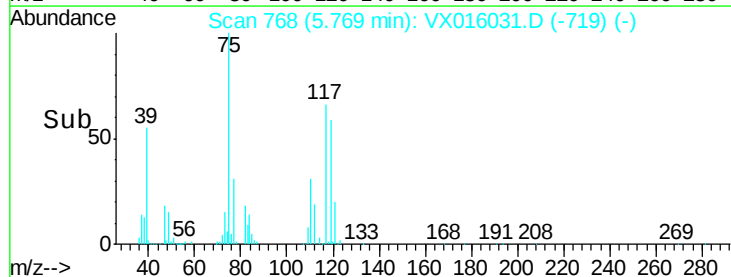
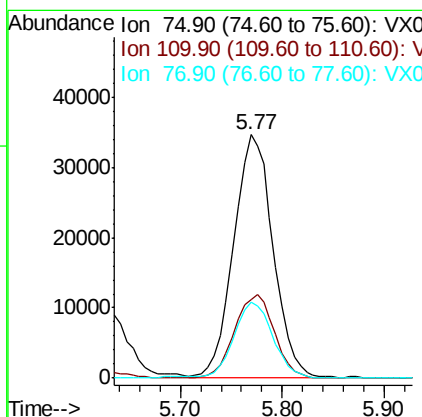
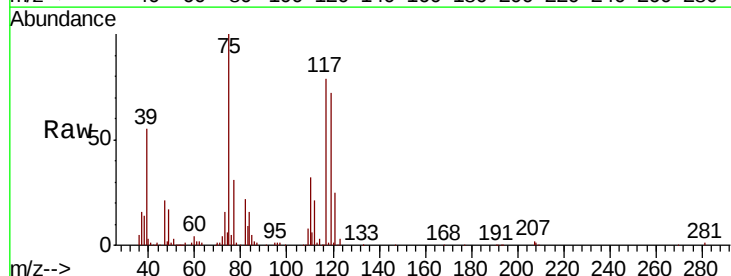
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

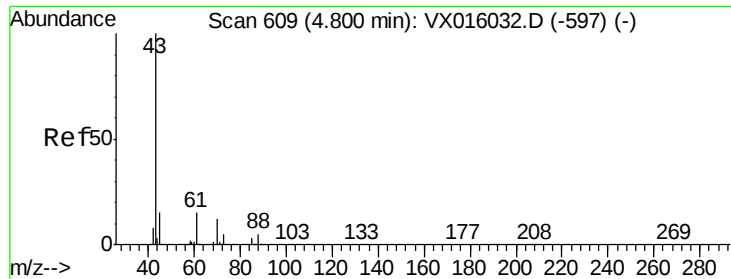
Tot Ion:113 Resp: 66826  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 81.6 122.4  
 192 21.5 17.0 25.4



#36  
 1,1-Dichloropropene  
 Concen: 17.121 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Tgt Ion: 75 Resp: 92222  
 Ion Ratio Lower Upper  
 75 100  
 110 34.9 18.1 54.1  
 77 30.7 25.0 37.6

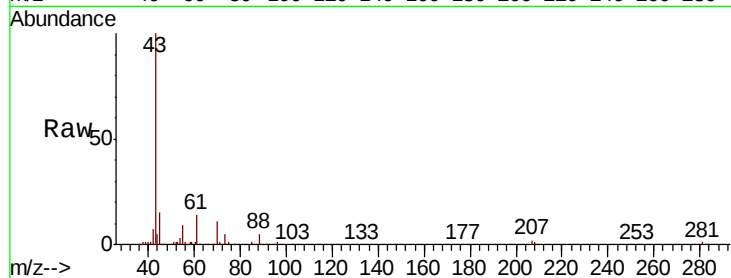




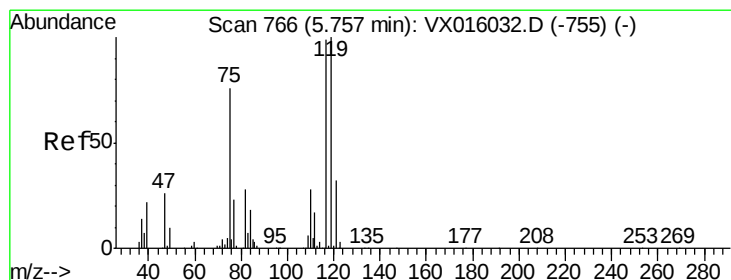
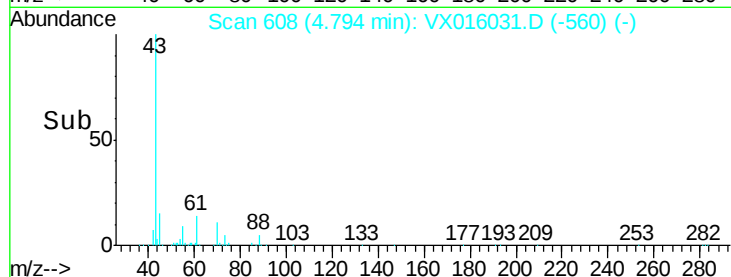
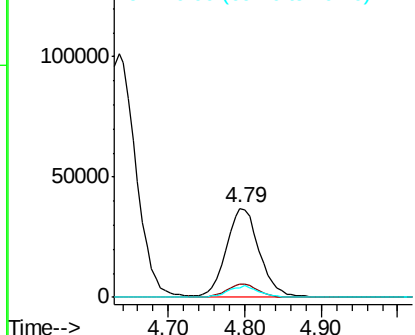
#37  
Ethyl Acetate  
Concen: 17.968 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. -0.01 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 110218  
Ion Ratio Lower Upper  
43 100  
61 14.4 11.7 17.5  
70 12.0 9.3 13.9

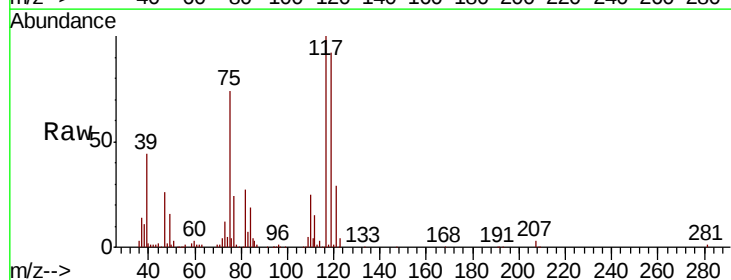


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0

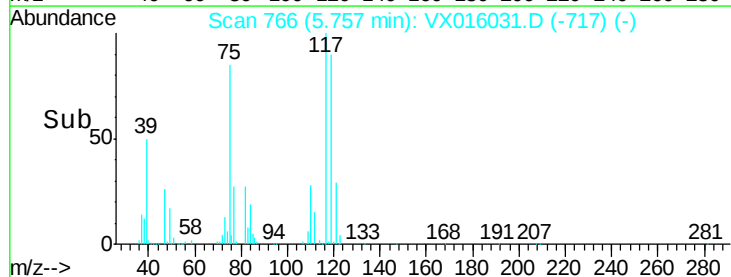
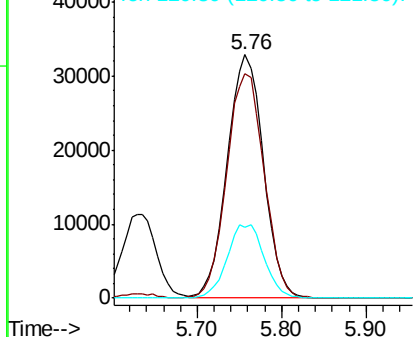


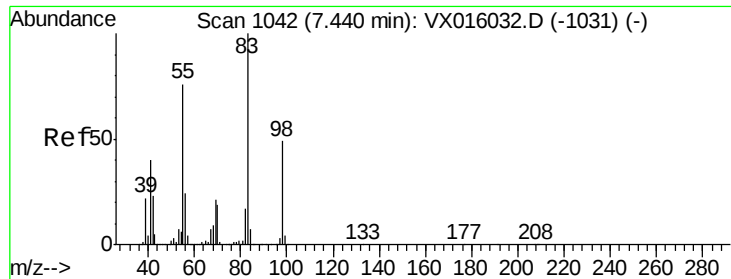
#38  
Carbon Tetrachloride  
Concen: 17.699 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 117 Resp: 95807  
Ion Ratio Lower Upper  
117 100  
119 91.9 80.3 120.5  
121 29.2 25.7 38.5



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

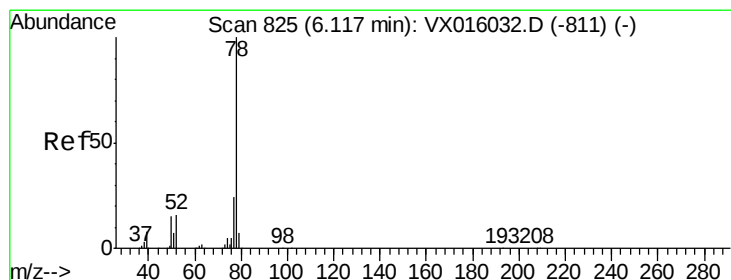
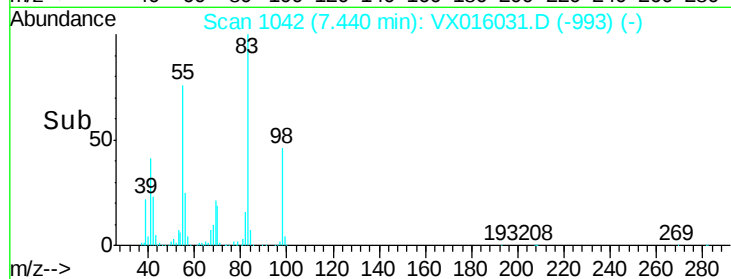
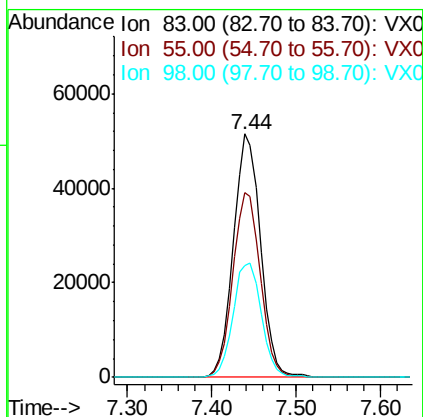
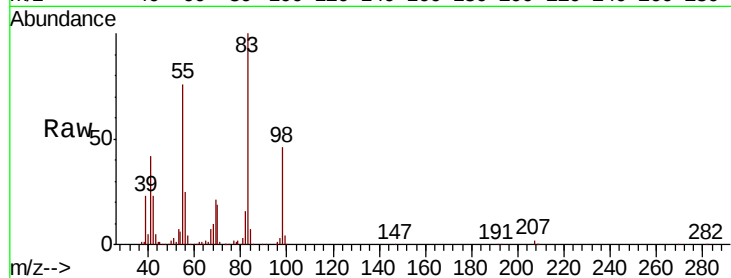




#39  
Methvlcvclohexane  
Concen: 17.394 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

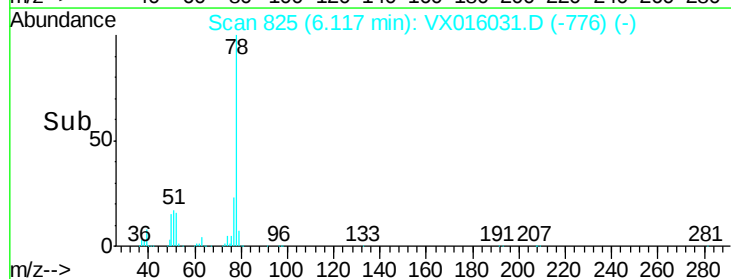
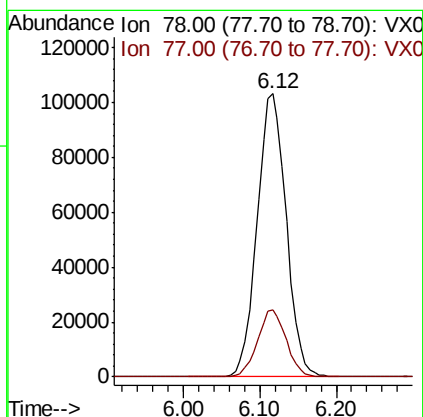
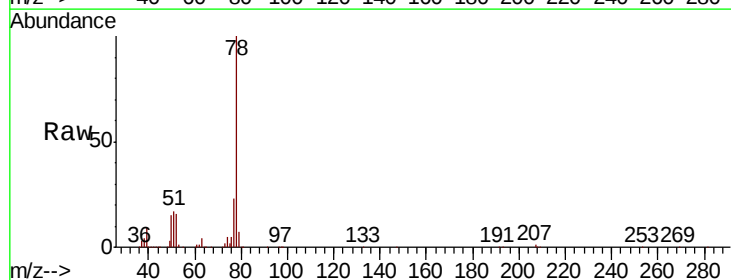
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

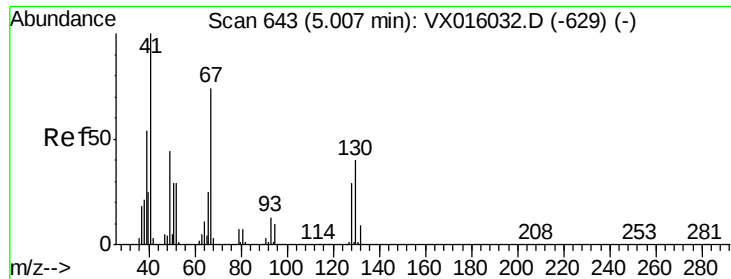
Tot Ion: 83 Resp: 111734  
Ion Ratio Lower Upper  
83 100  
55 76.1 61.1 91.7  
98 45.8 39.0 58.4



#40  
Benzene  
Concen: 17.340 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 78 Resp: 273365  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.0 28.4

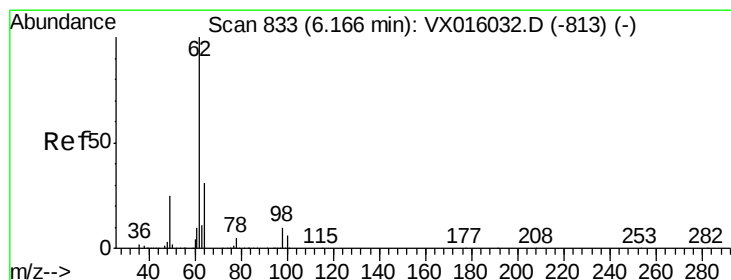
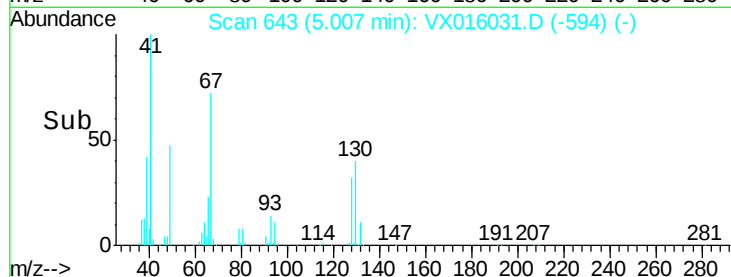
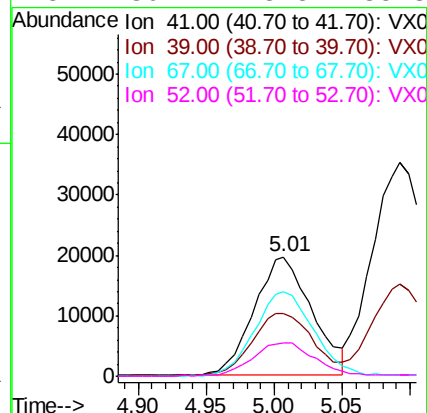
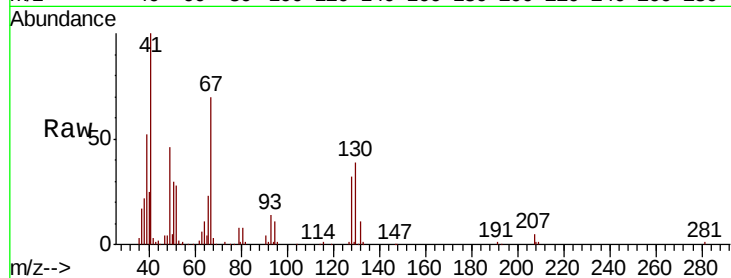




#41  
Methacrylonitrile  
Concen: 17.571 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

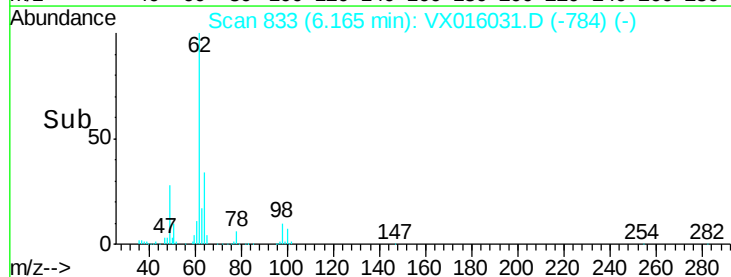
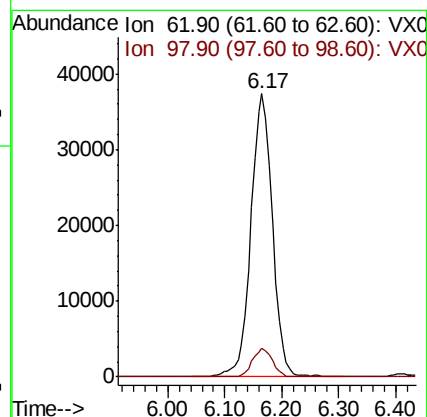
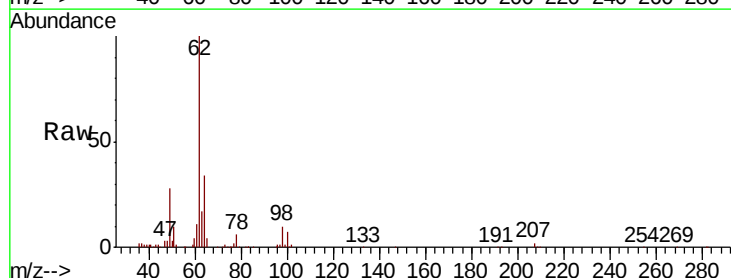
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

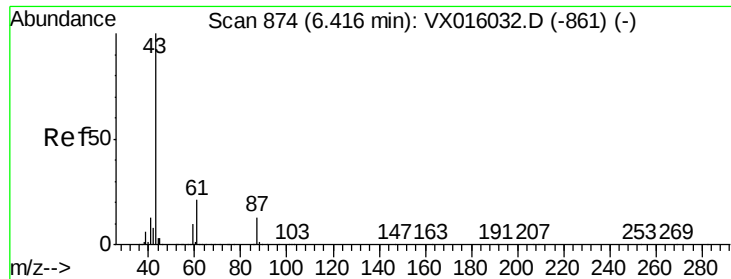
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 58209 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.6  | 43.2  | 64.8  |
| 67       | 74.1  | 59.3  | 88.9  |
| 52       | 30.1  | 23.5  | 35.3  |



#42  
1,2-Dichloroethane  
Concen: 17.209 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 98001 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.6   | 0.0   | 19.4  |



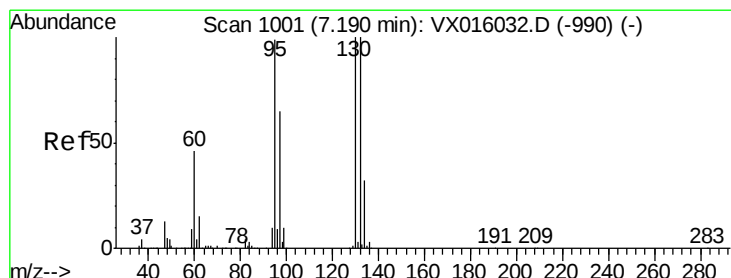
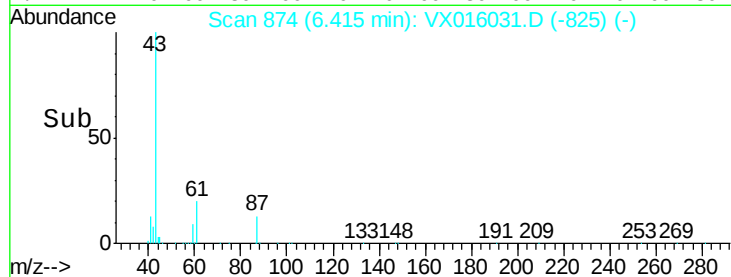
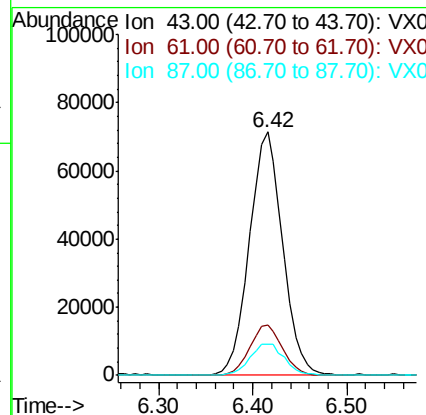
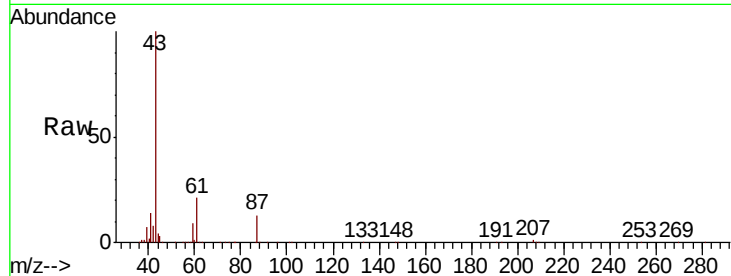


#43

Isopropyl Acetate  
 Concen: 17.919 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

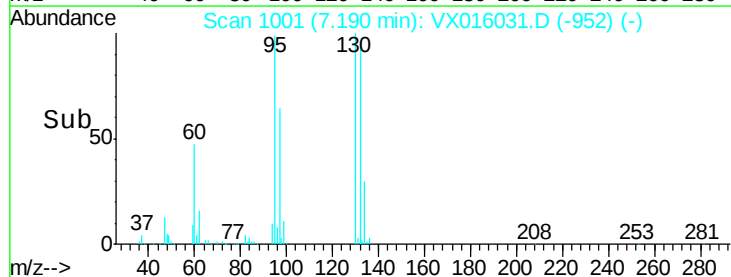
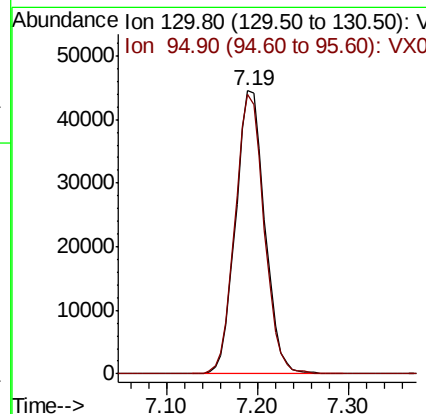
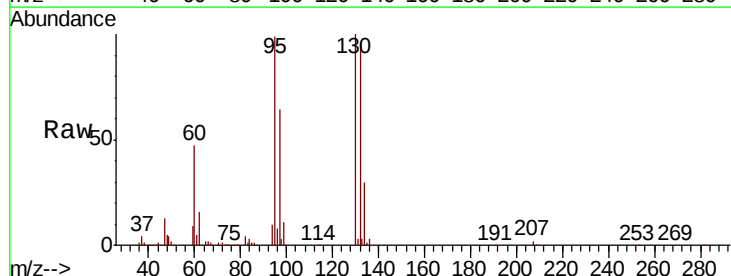
| Tot Ion   | 43    | Resp  | 174906 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 21.0  | 17.0  | 25.4   |
| 87        | 13.7  | 11.0  | 16.6   |

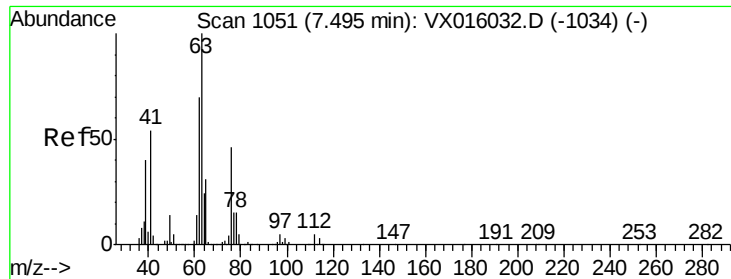


#44

Trichloroethene  
 Concen: 17.051 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

| Tgt Ion   | 130   | Resp  | 99401 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 98.8  | 0.0   | 197.4 |





#45

1,2-Dichloropropane

Concen: 17.748 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

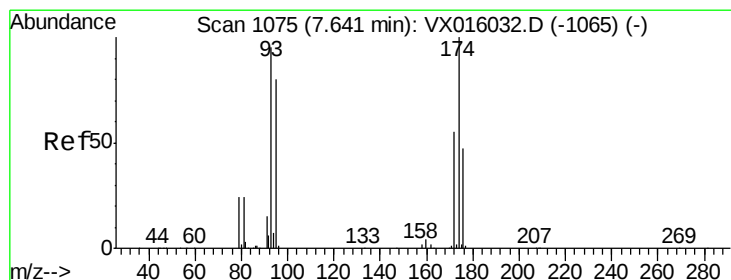
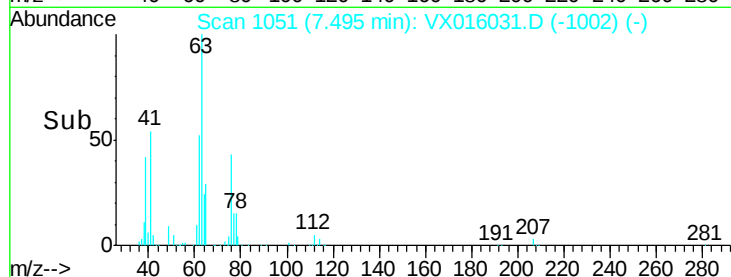
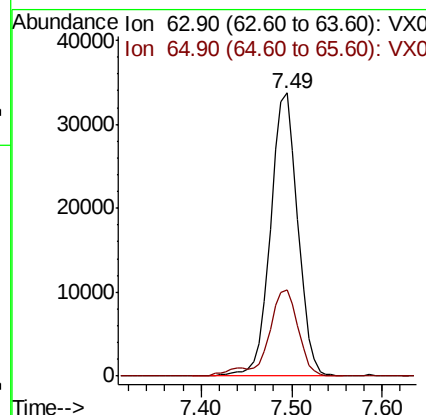
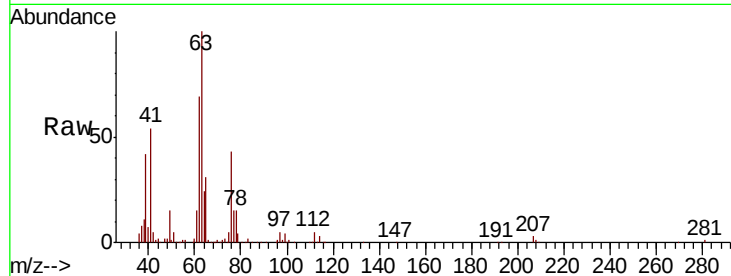
VSTDIC020

Tot Ion: 63 Resp: 70262

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 17.263 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

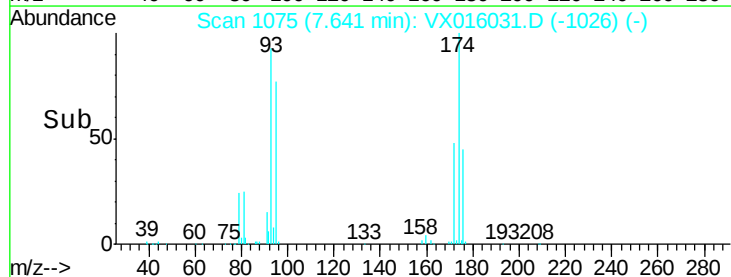
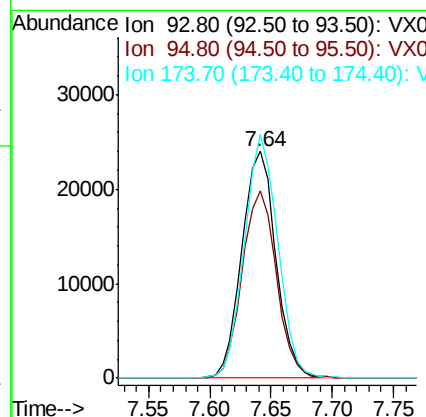
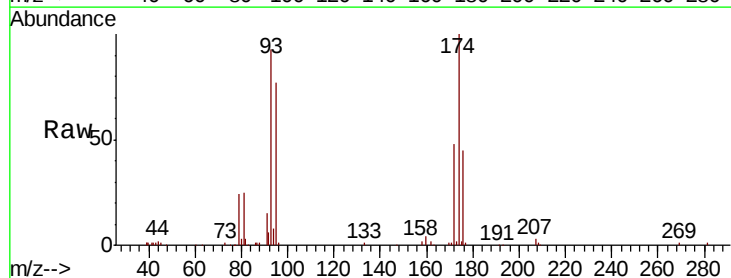
Tgt Ion: 93 Resp: 46471

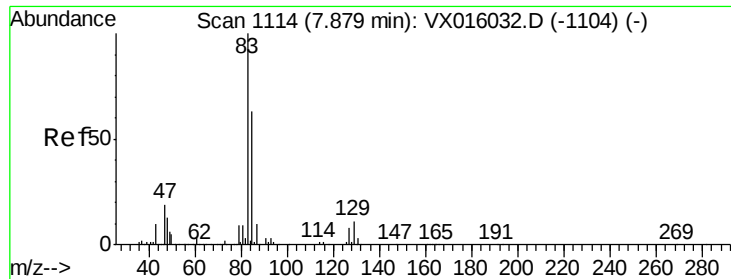
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 105.3 84.2 126.4





#47

Bromodichloromethane

Concen: 17.435 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

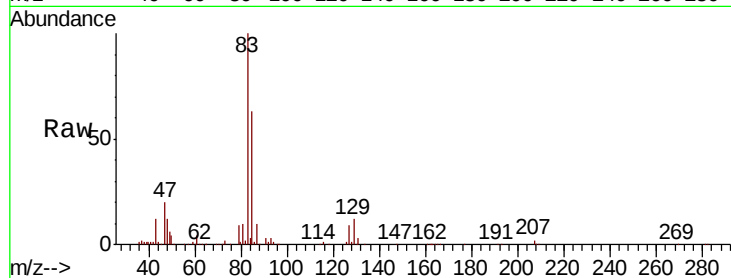
Tot Ion: 83 Resp: 94233

Ion Ratio Lower Upper

83 100

85 63.5 50.5 75.7

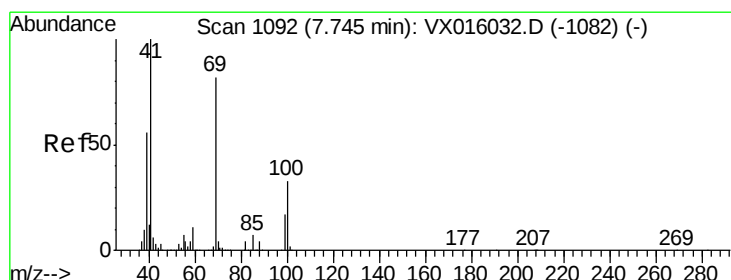
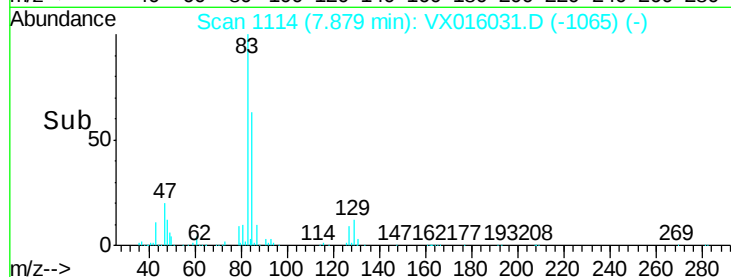
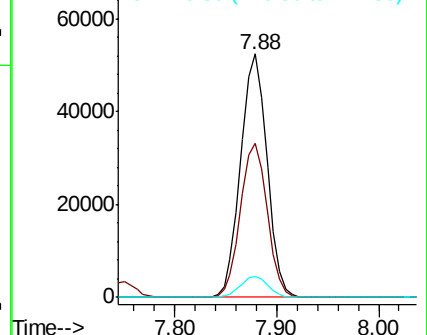
127 8.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.761 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

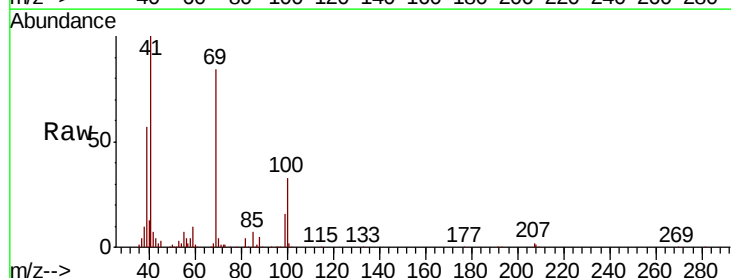
Tgt Ion: 41 Resp: 81576

Ion Ratio Lower Upper

41 100

69 85.3 67.8 101.6

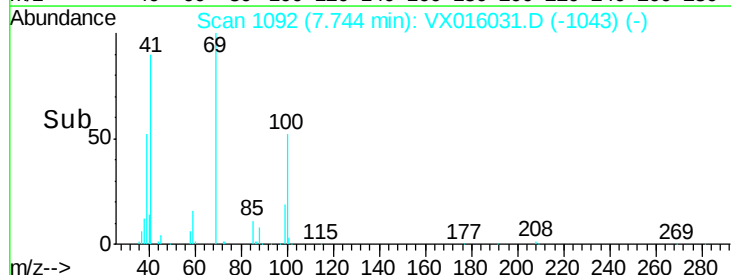
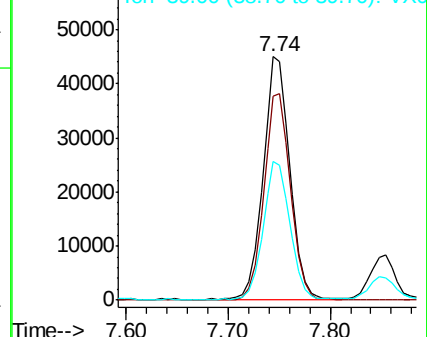
39 57.0 44.6 67.0

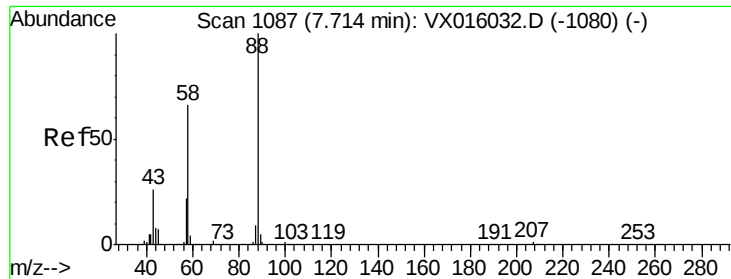


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 357.675 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

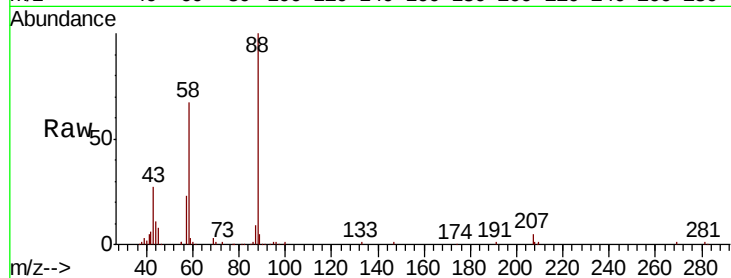
MSVOA\_X

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 39734

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 31.7  | 25.3  | 37.9  |
| 58  | 70.5  | 55.9  | 83.9  |



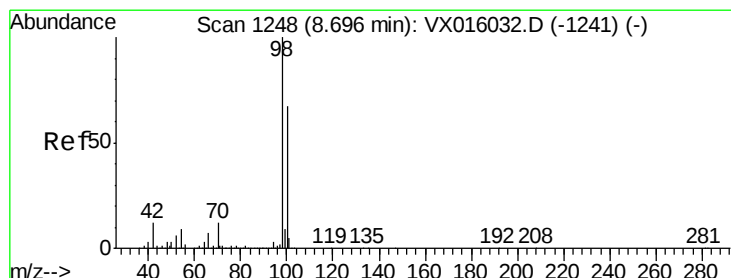
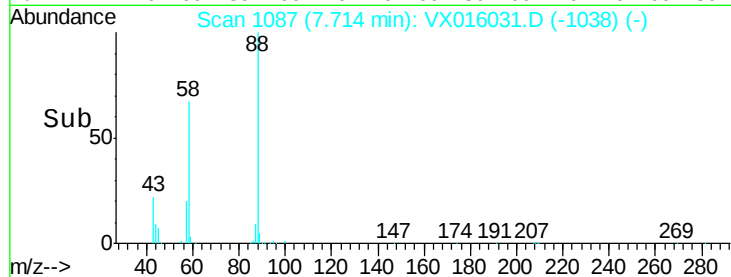
Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 18.354 ug/l

RT: 8.70 min Scan# 1248

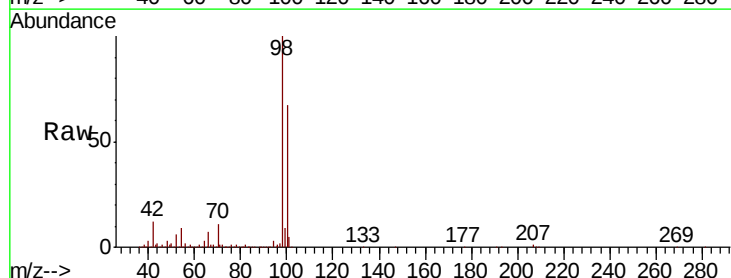
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion: 98 Resp: 260919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 66.9  | 53.7  | 80.5  |

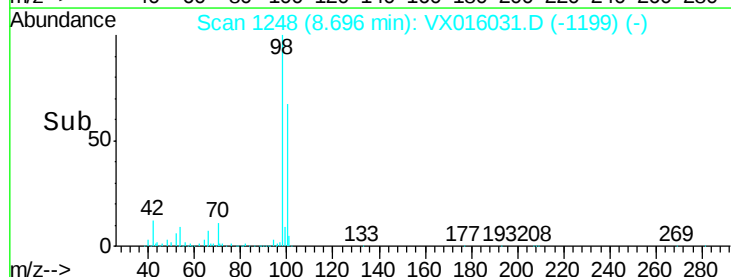


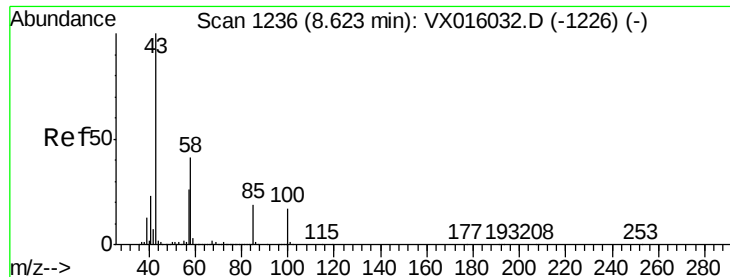
Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

Time-->





#51

4-Methyl-2-Pentanone

Concen: 90.609 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

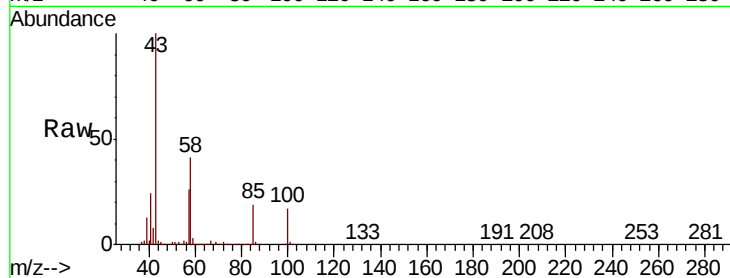
VSTDIC020

Tot Ion: 43 Resp: 538476

Ion Ratio Lower Upper

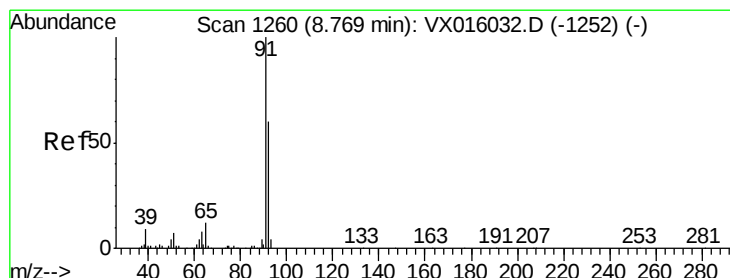
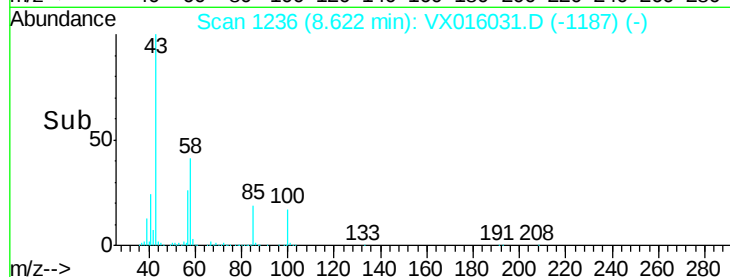
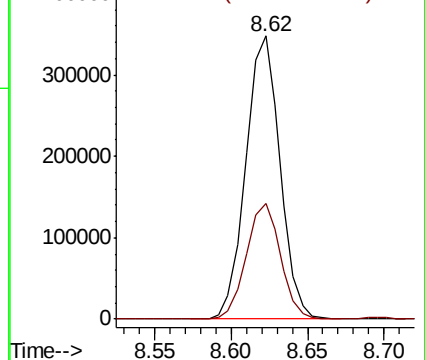
43 100

58 40.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.692 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016031.D

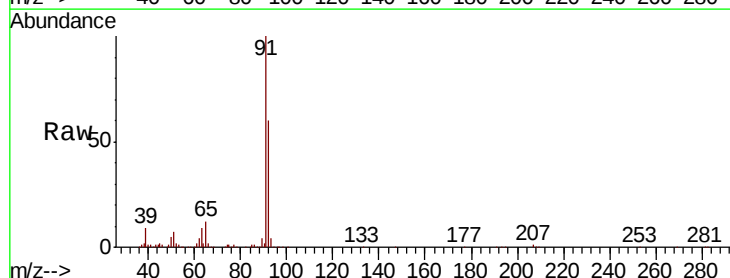
Acq: 04 May 2020 12:25

Tgt Ion: 92 Resp: 171844

Ion Ratio Lower Upper

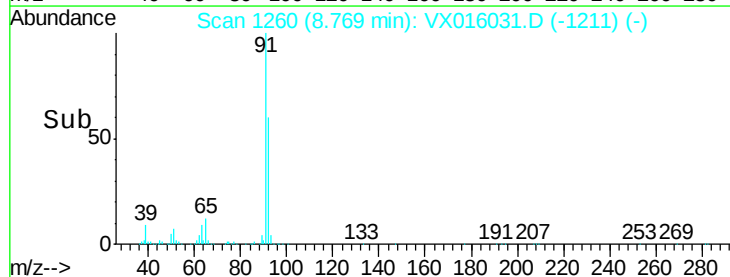
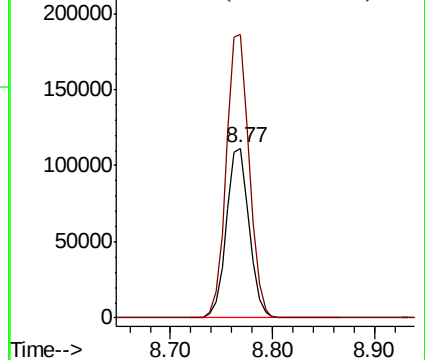
92 100

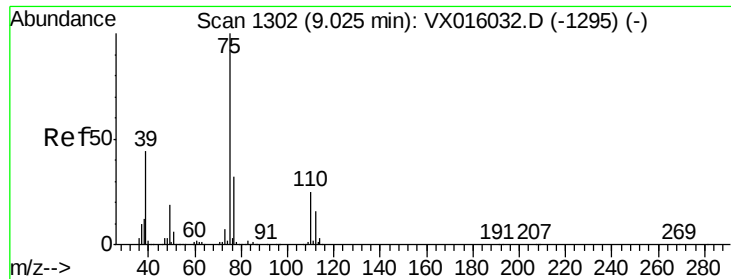
91 167.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

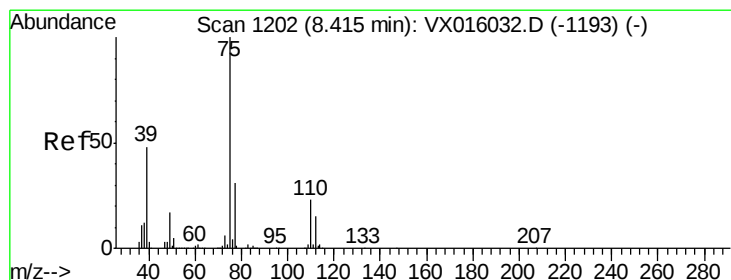
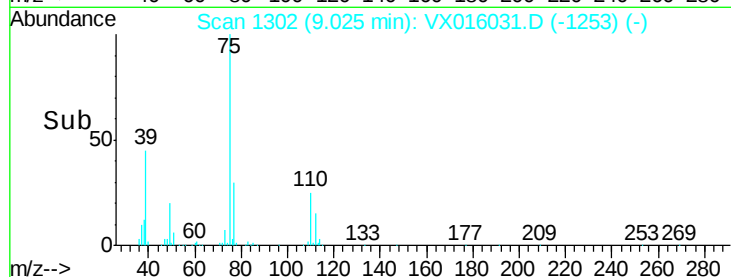
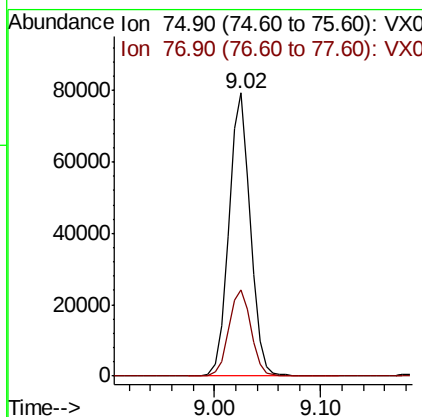
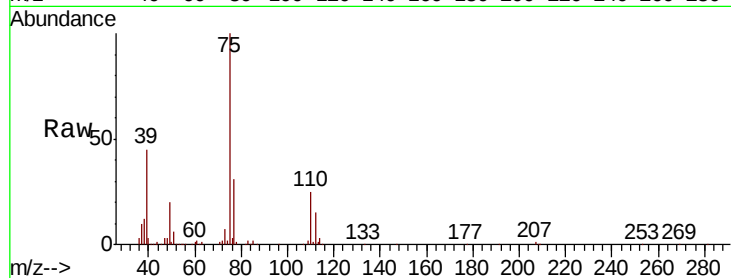




#53  
t-1,3-Dichloropropene  
Concen: 17.338 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

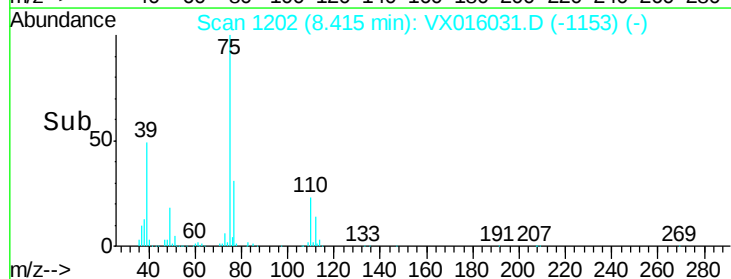
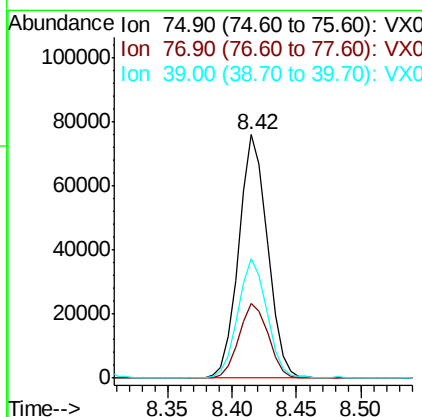
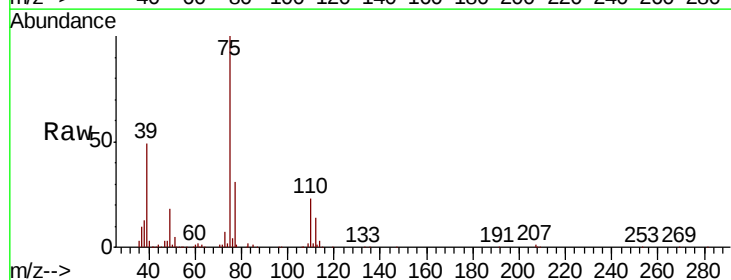
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

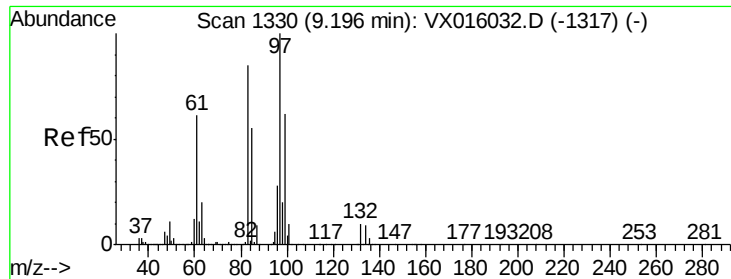
Tot Ion: 75 Resp: 112129  
Ion Ratio Lower Upper  
75 100  
77 30.4 25.7 38.5



#54  
cis-1,3-Dichloropropene  
Concen: 17.277 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 75 Resp: 117394  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.7 37.1  
39 48.6 38.7 58.1

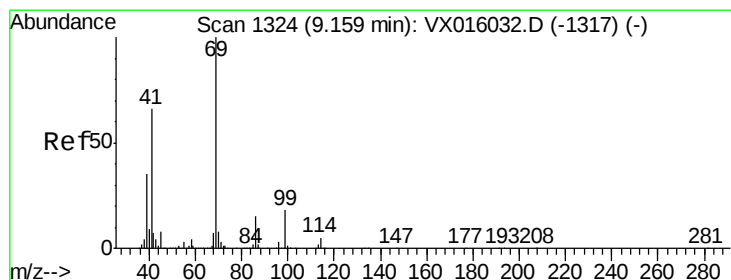
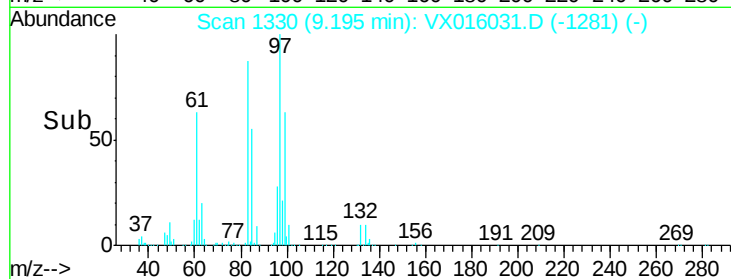
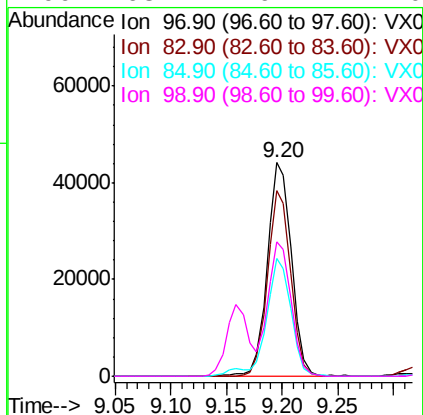
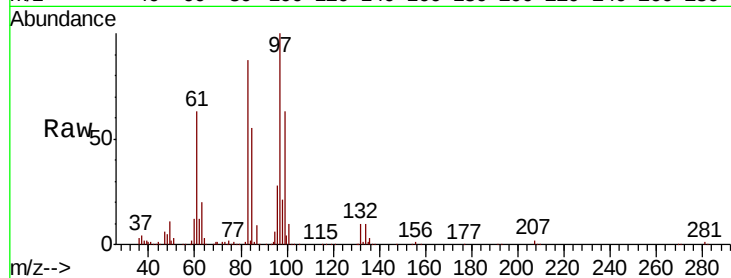




#55  
 1,1,2-Trichloroethane  
 Concen: 17.535 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

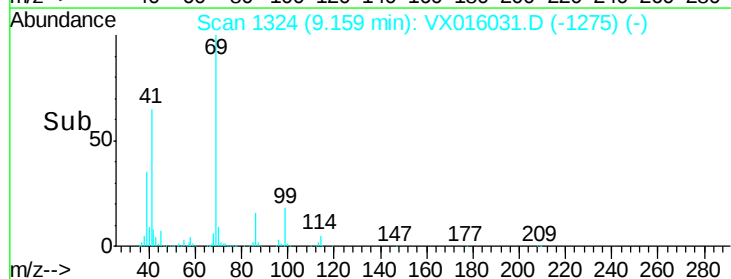
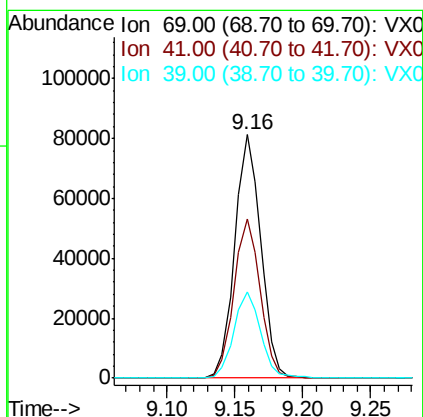
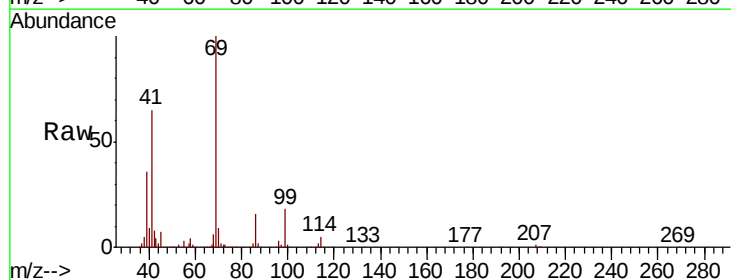
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

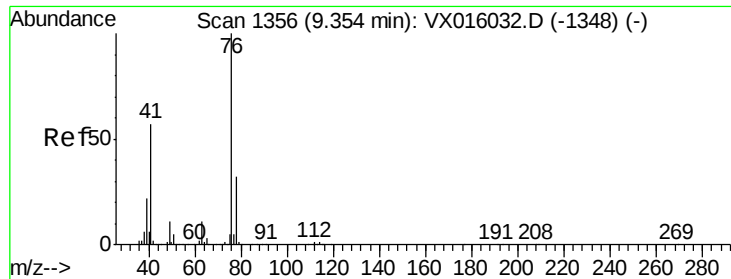
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 66556 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.8  | 67.8  | 101.8 |
| 85       | 55.2  | 43.8  | 65.8  |
| 99       | 63.2  | 49.4  | 74.0  |



#56  
 Ethyl methacrylate  
 Concen: 18.058 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 108438 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.2  | 52.2  | 78.4   |
| 39       | 36.3  | 28.2  | 42.4   |





#57

1,3-Dichloropropane

Concen: 17.543 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

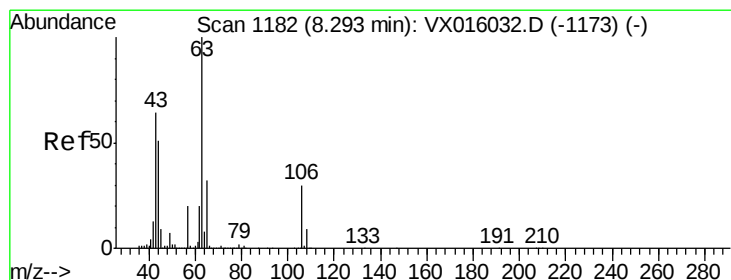
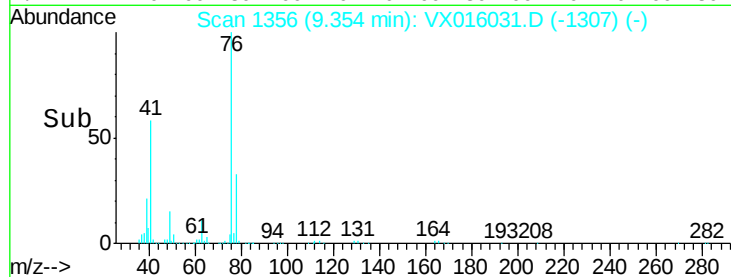
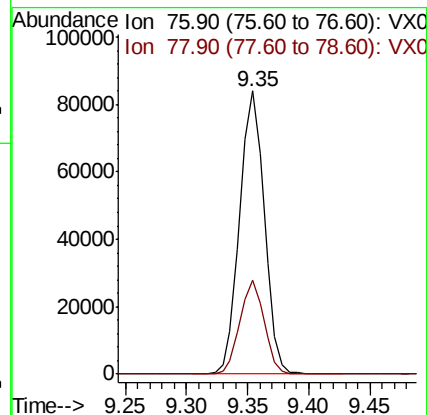
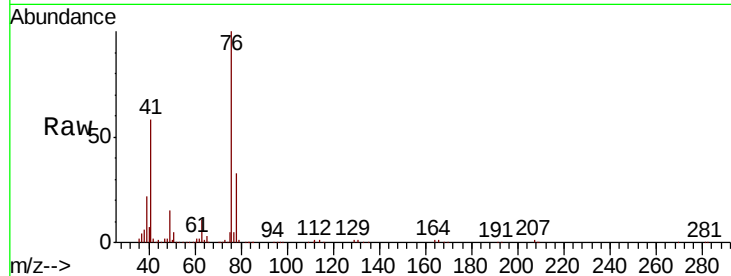
VSTDIC020

Tot Ion: 76 Resp: 117347

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 90.465 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016031.D

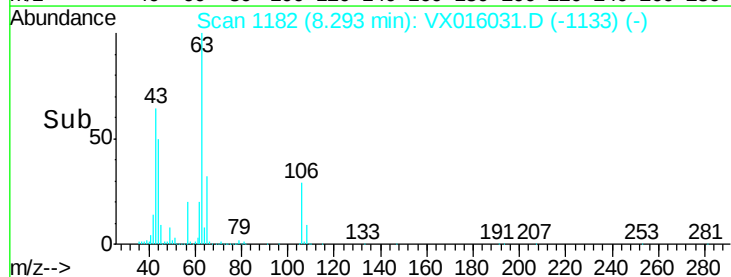
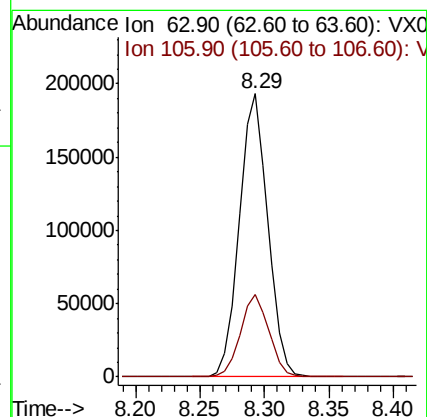
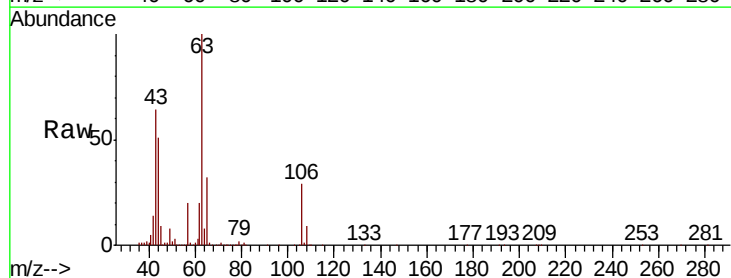
Acq: 04 May 2020 12:25

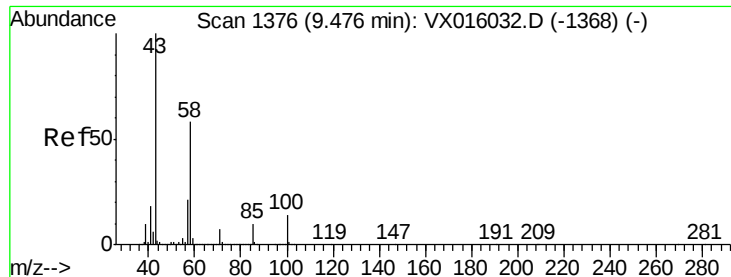
Tgt Ion: 63 Resp: 295918

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2

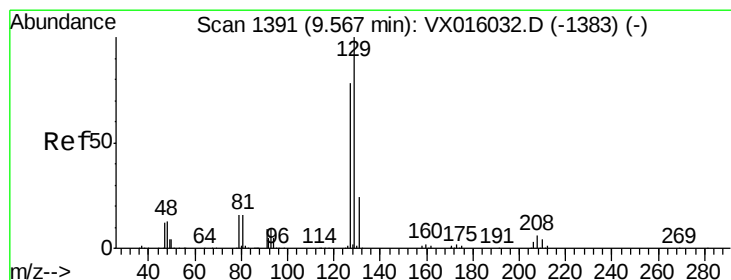
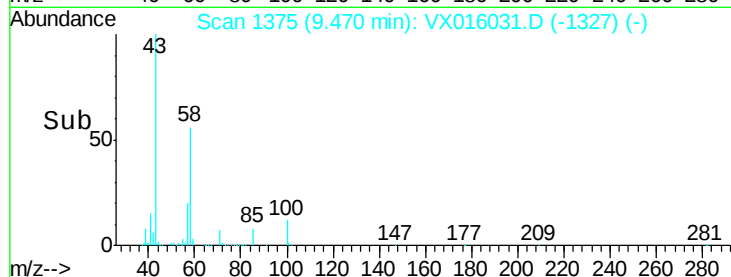
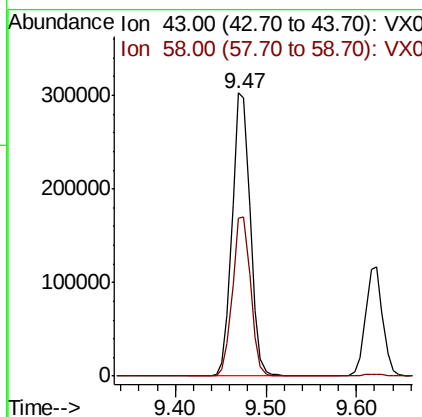
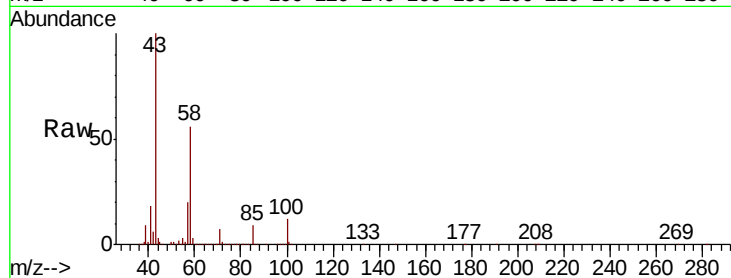




#59  
2-Hexanone  
Concen: 90.203 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. -0.01 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

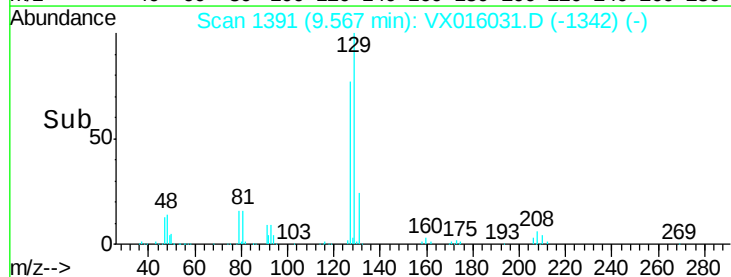
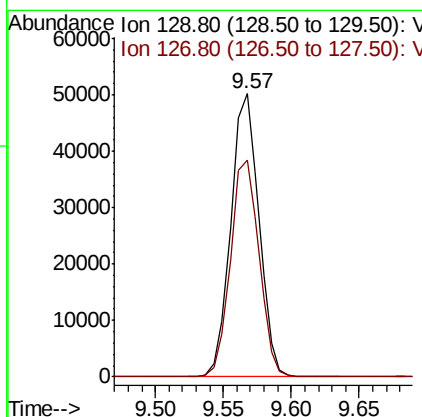
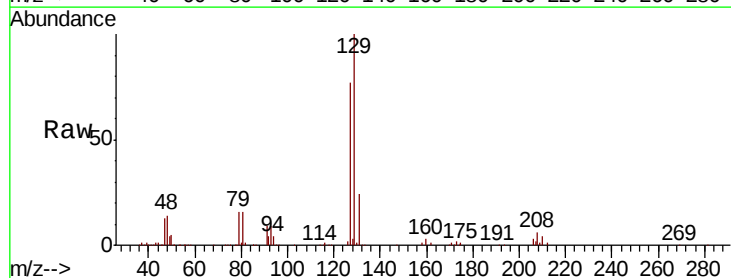
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

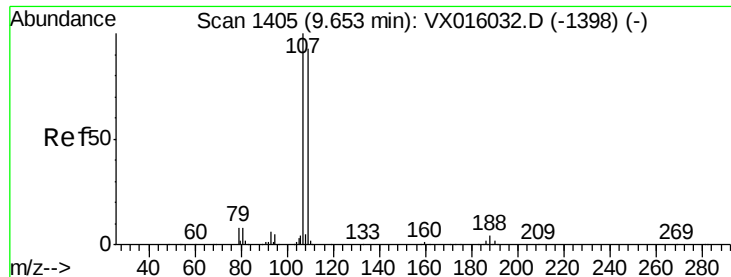
Tot Ion: 43 Resp: 420097  
Ion Ratio Lower Upper  
43 100  
58 56.3 28.6 85.9



#60  
Dibromochloromethane  
Concen: 17.637 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 129 Resp: 72130  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 17.455 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

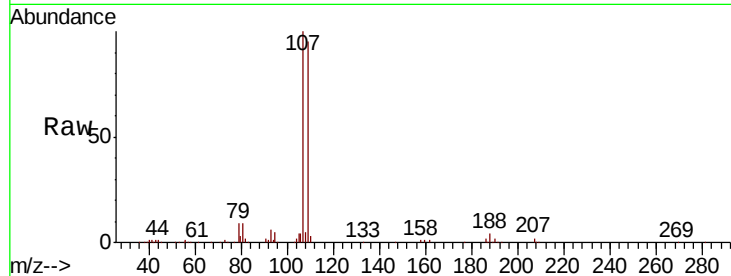
VSTDIC020

Tot Ion:107 Resp: 71640

Ion Ratio Lower Upper

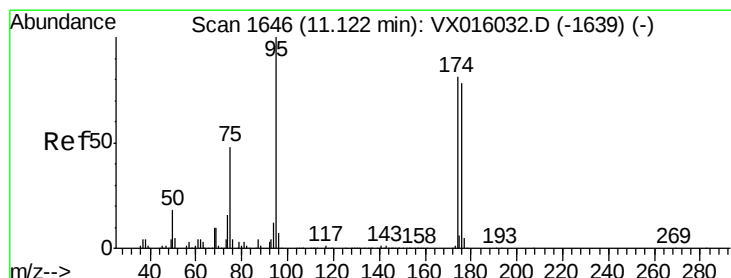
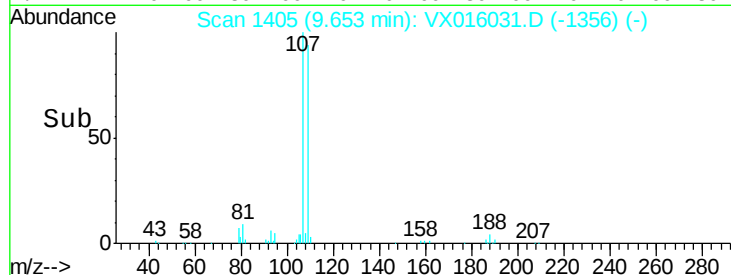
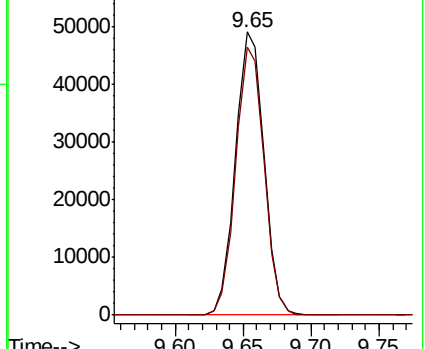
107 100

109 94.2 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.776 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

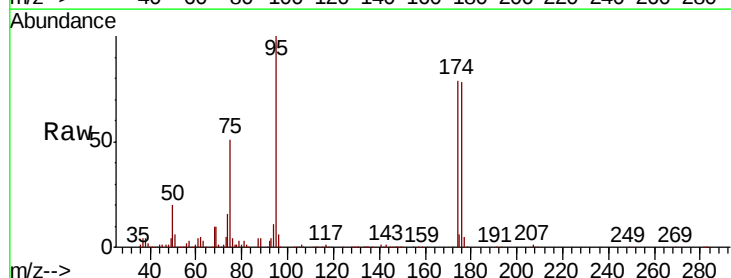
Tgt Ion: 95 Resp: 95807

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

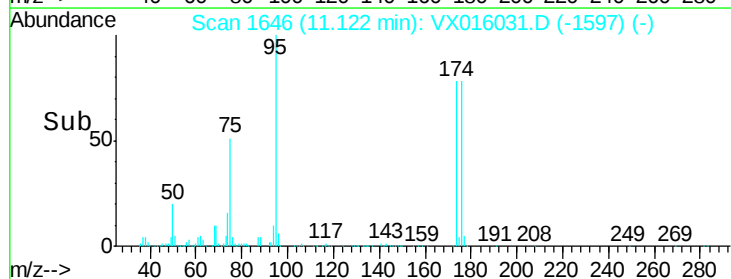
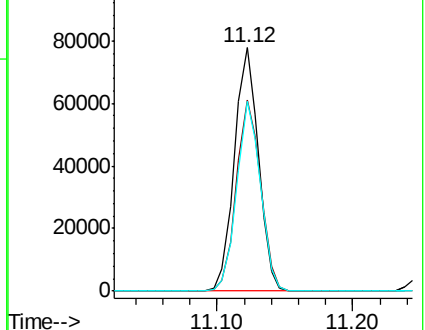
176 76.7 0.0 157.6

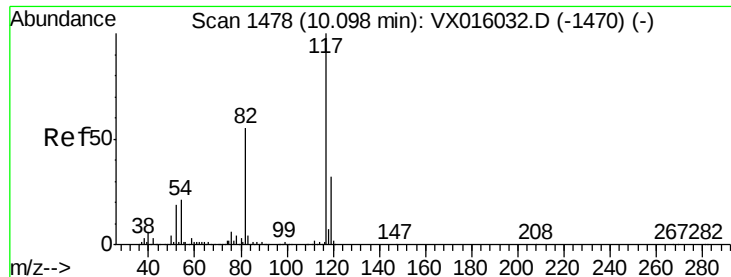


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

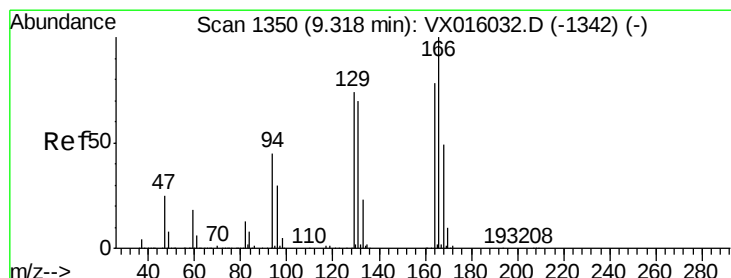
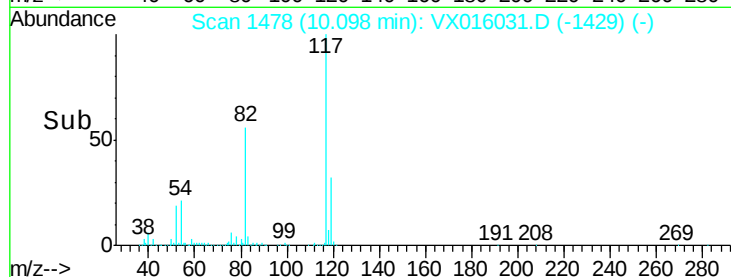
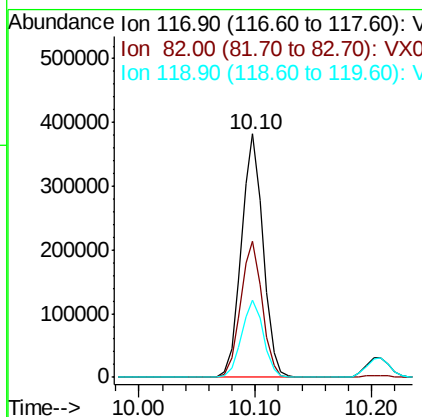
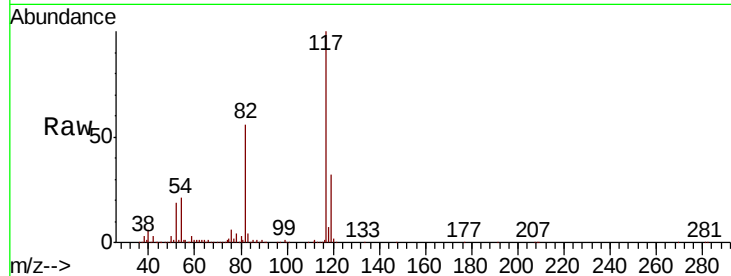




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

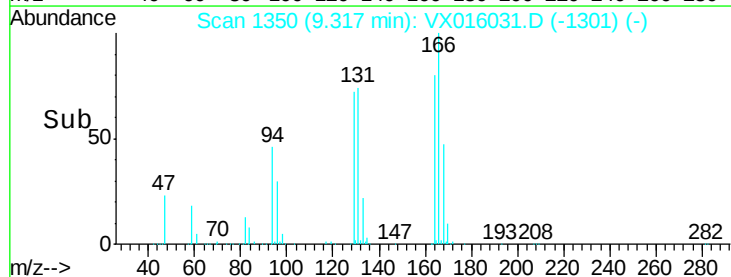
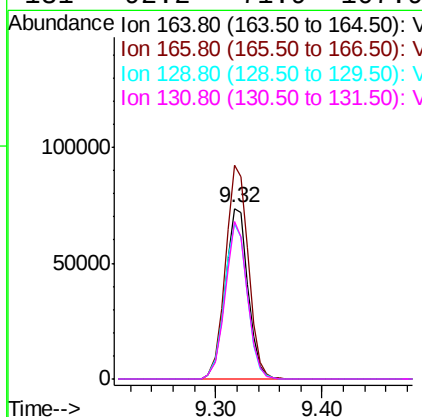
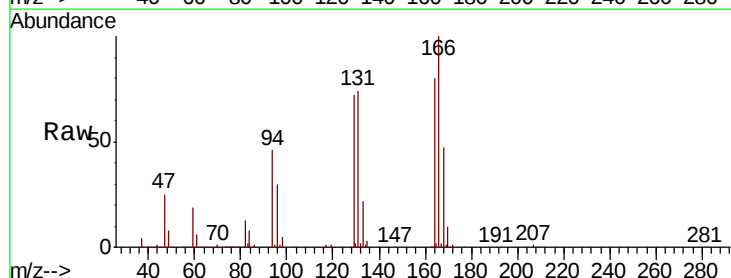
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

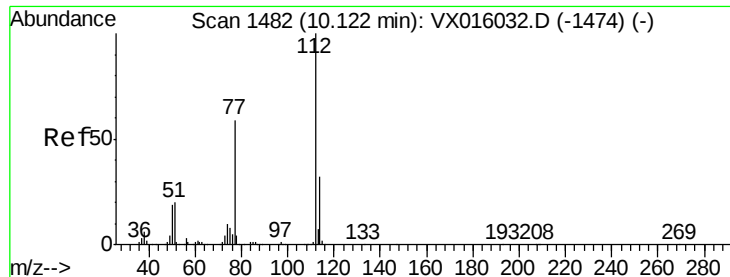
Tot Ion:117 Resp: 495314  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.4 66.6  
119 31.7 25.5 38.3



#64  
Tetrachloroethene  
Concen: 17.464 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion:164 Resp: 109850  
Ion Ratio Lower Upper  
164 100  
166 125.2 102.9 154.3  
129 90.5 76.1 114.1  
131 92.2 71.9 107.9





#65

Chlorobenzene

Concen: 17.189 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

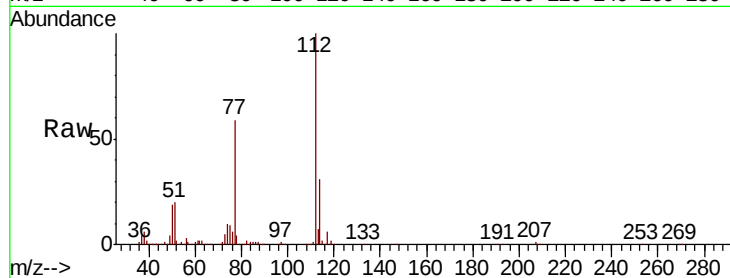
VSTDIC020

Tot Ion:112 Resp: 180522

Ion Ratio Lower Upper

112 100

114 30.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

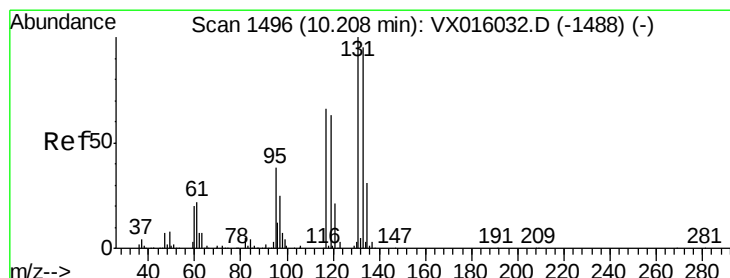
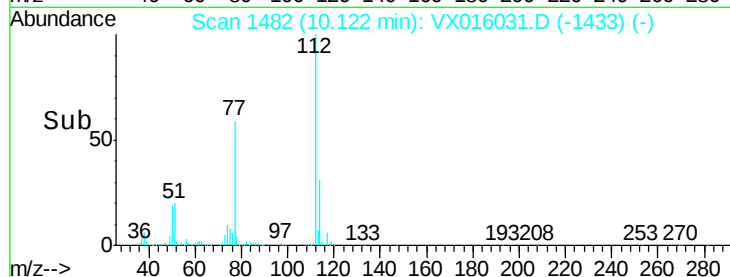
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.525 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

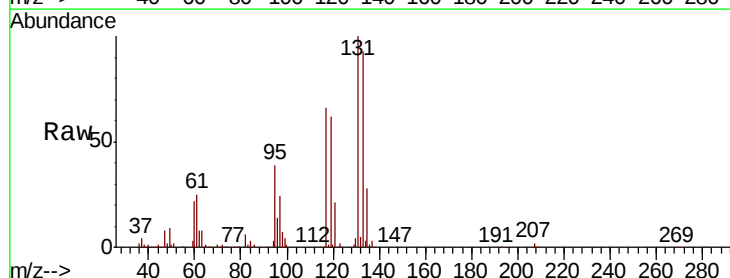
Tgt Ion:131 Resp: 66962

Ion Ratio Lower Upper

131 100

133 94.8 48.3 144.8

119 65.2 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.20

60000

50000

40000

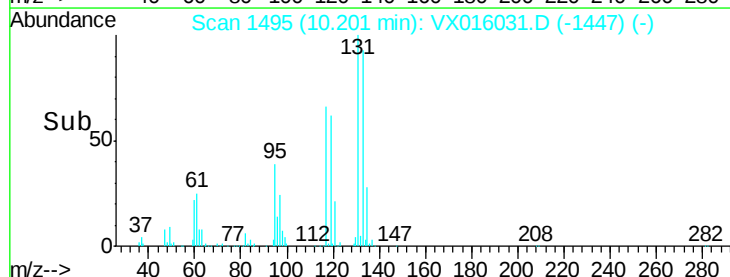
30000

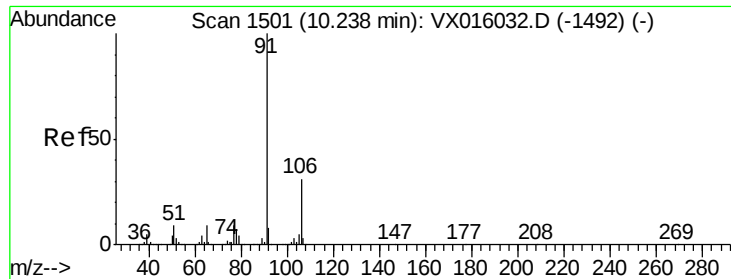
20000

10000

0

Time-->

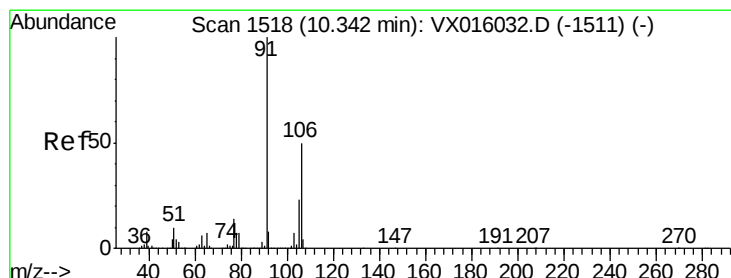
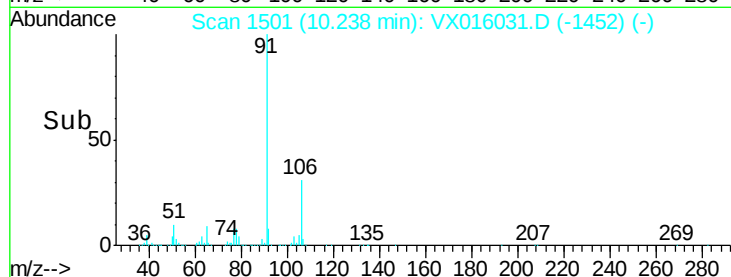
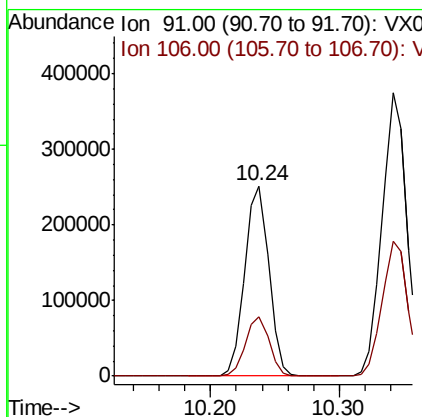
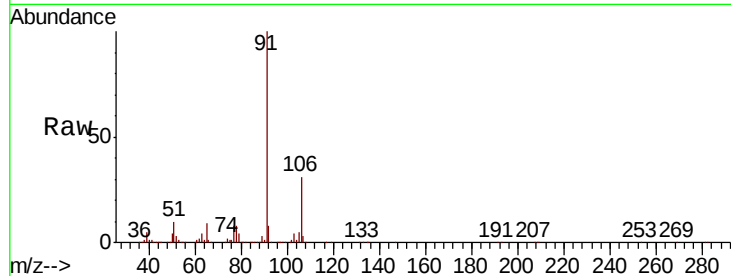




#67  
Ethyl Benzene  
Concen: 17.395 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

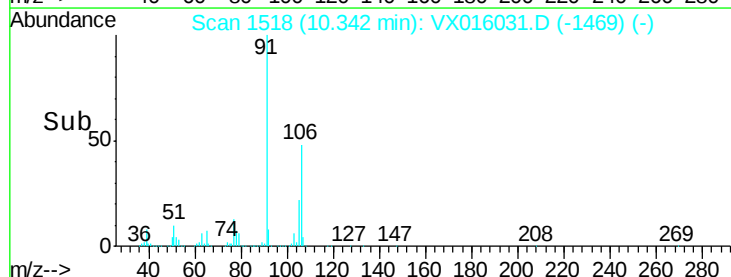
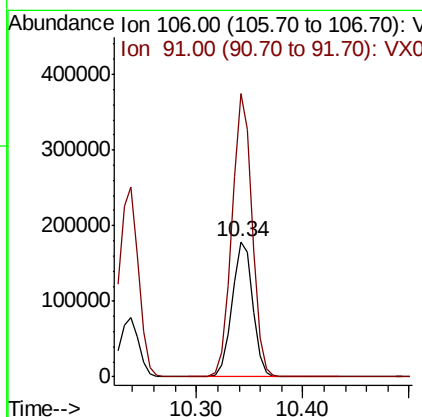
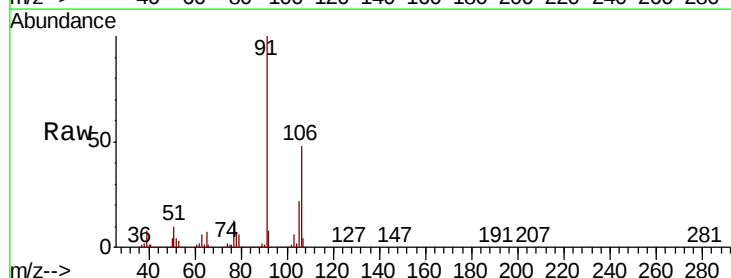
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

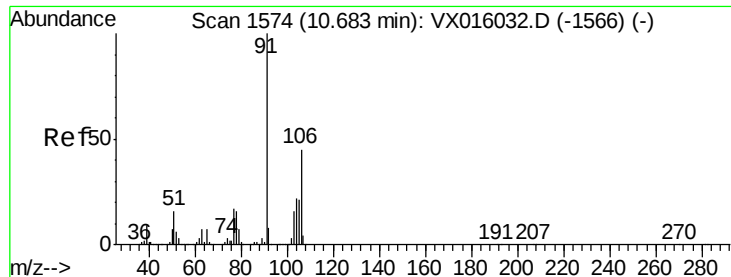
Tot Ion: 91 Resp: 325000  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.1 37.7



#68  
m/p-Xylenes  
Concen: 35.005 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 106 Resp: 242895  
Ion Ratio Lower Upper  
106 100  
91 204.8 161.7 242.5

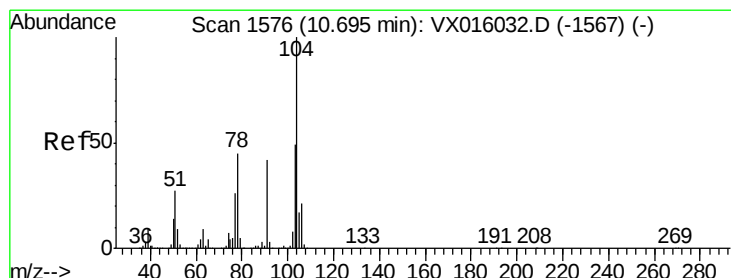
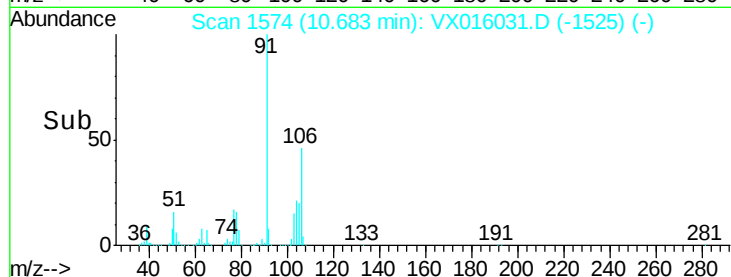
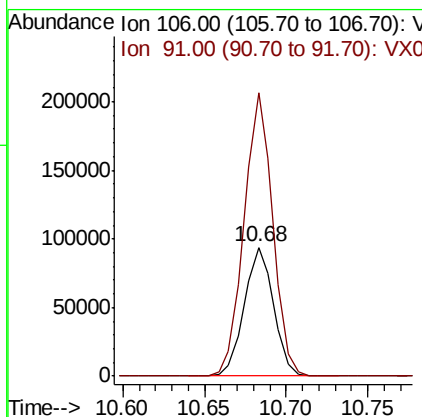
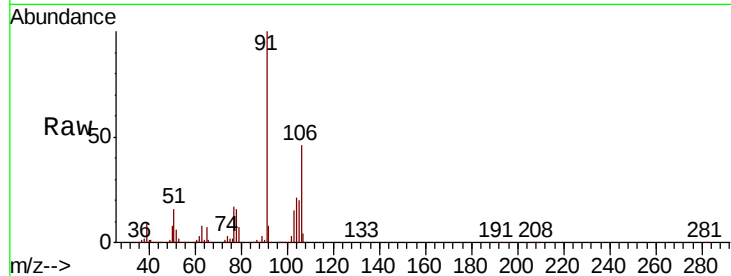




#69  
o-Xylene  
Concen: 17.709 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

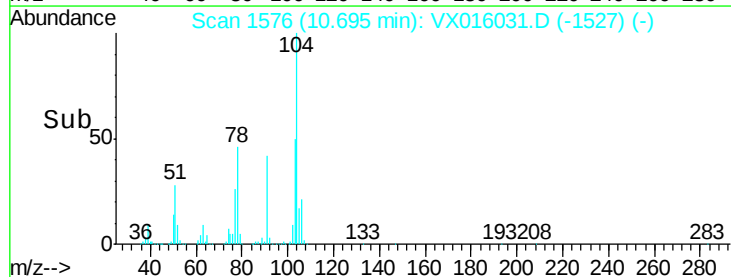
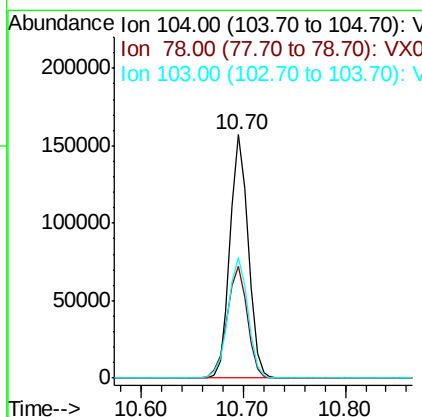
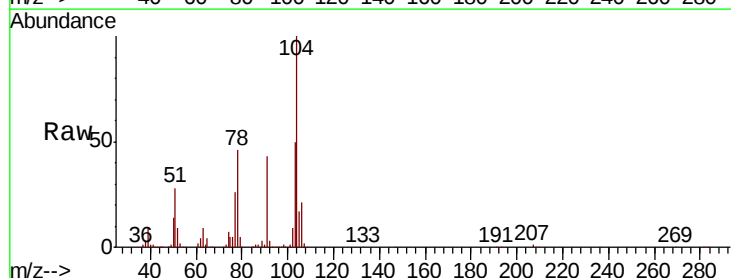
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

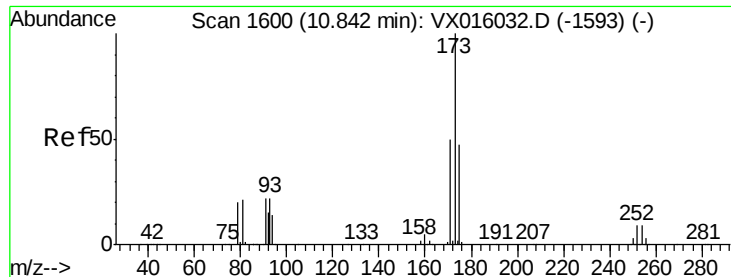
Tot Ion:106 Resp: 117600  
Ion Ratio Lower Upper  
106 100  
91 215.3 107.5 322.6



#70  
Styrene  
Concen: 17.486 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion:104 Resp: 193315  
Ion Ratio Lower Upper  
104 100  
78 51.5 40.2 60.2  
103 54.5 43.0 64.6





#71

Bromoform

Concen: 17.791 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC020

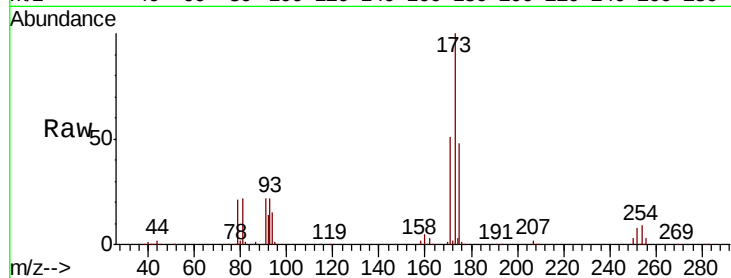
Tot Ion:173 Resp: 52899

Ion Ratio Lower Upper

173 100

175 49.5 24.0 72.0

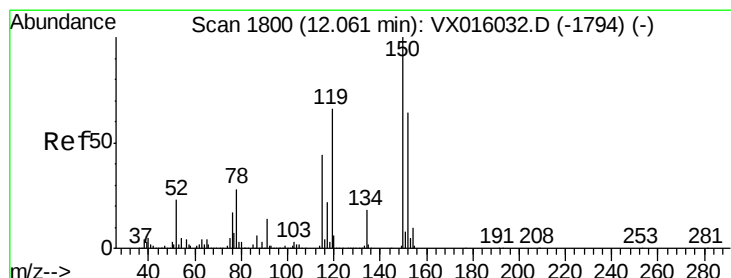
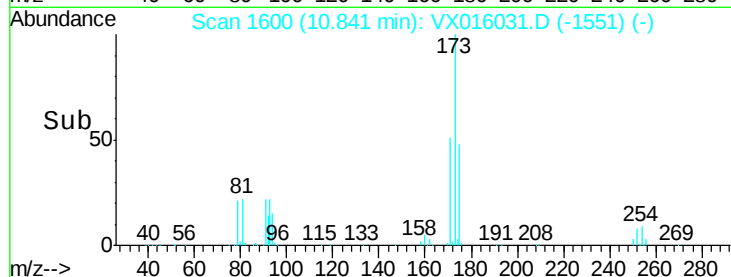
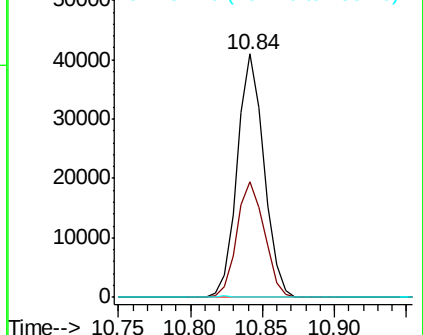
254 0.1 0.1 0.1#



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

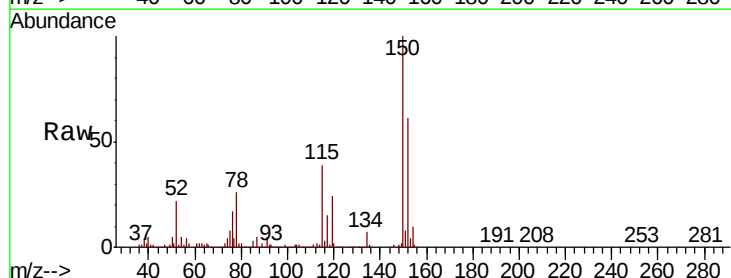
Tgt Ion:152 Resp: 241316

Ion Ratio Lower Upper

152 100

115 67.4 41.3 124.1

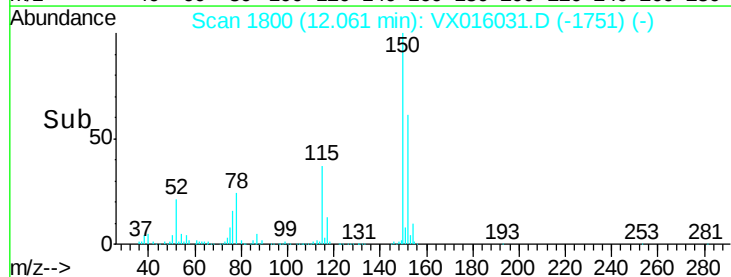
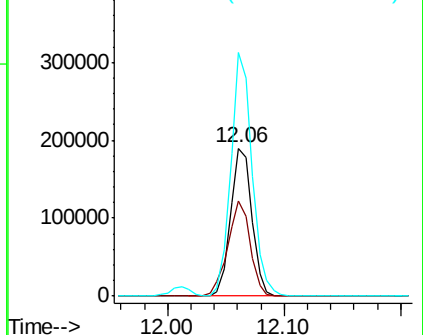
150 164.0 0.0 352.2

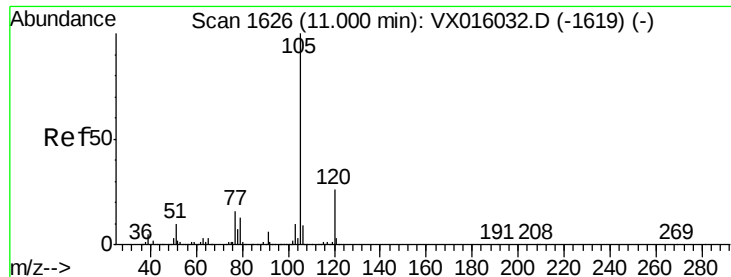


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.628 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampled :

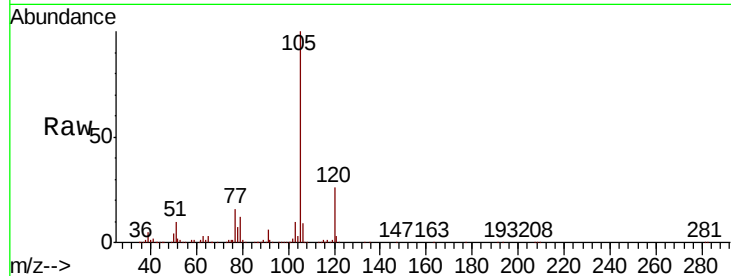
VSTDIC020

Tot Ion: 105 Resp: 315958

Ion Ratio Lower Upper

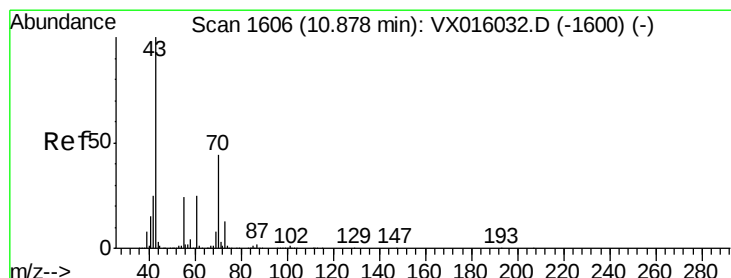
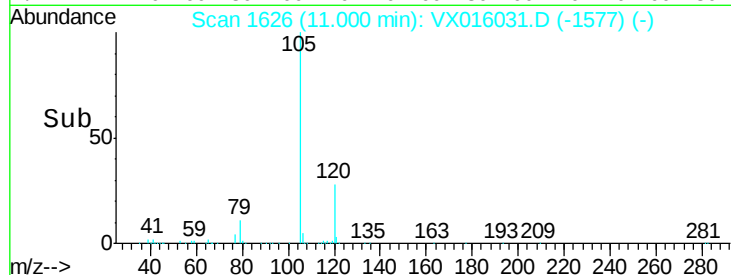
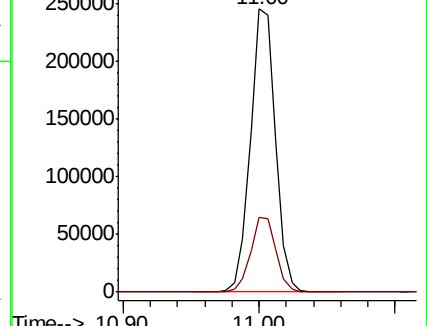
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.704 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion: 43 Resp: 145125

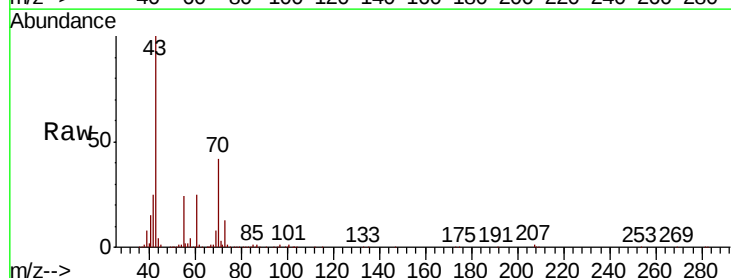
Ion Ratio Lower Upper

43 100

70 44.8 36.5 54.7

55 24.7 19.7 29.5

61 25.0 20.9 31.3

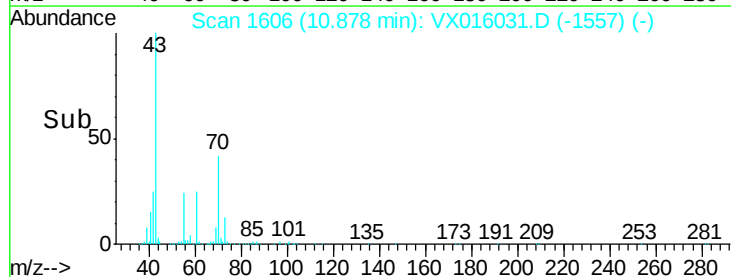
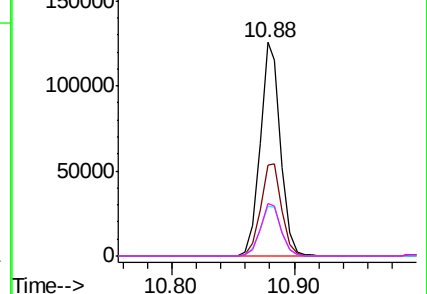


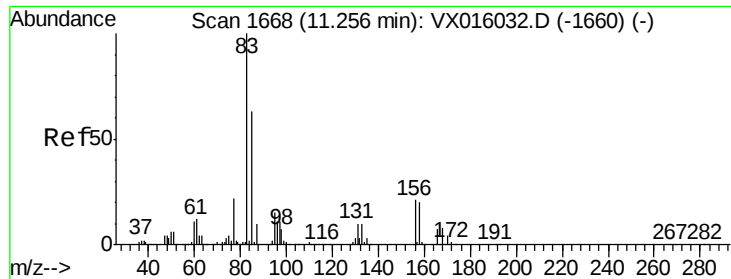
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.106 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

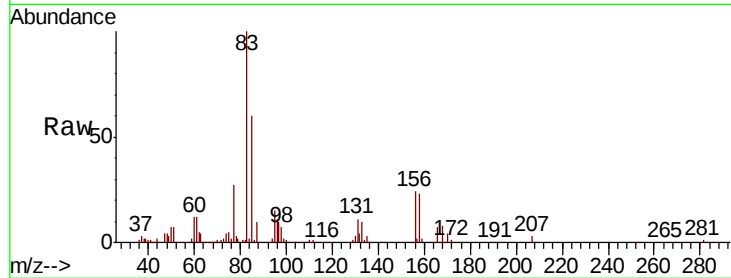
Tot Ion: 83 Resp: 49984

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

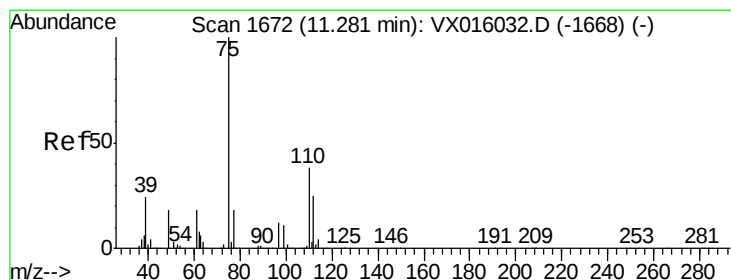
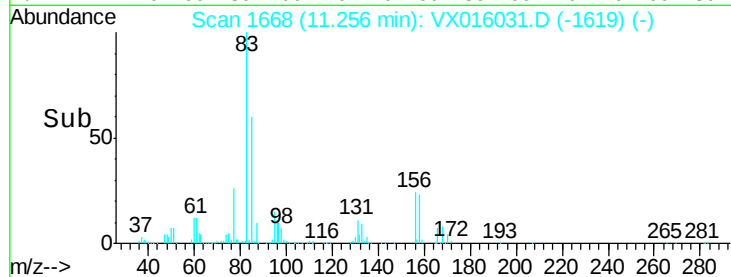
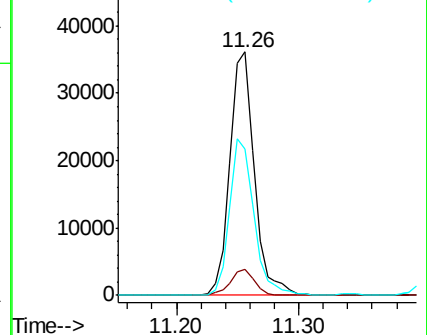
85 64.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.517 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016031.D

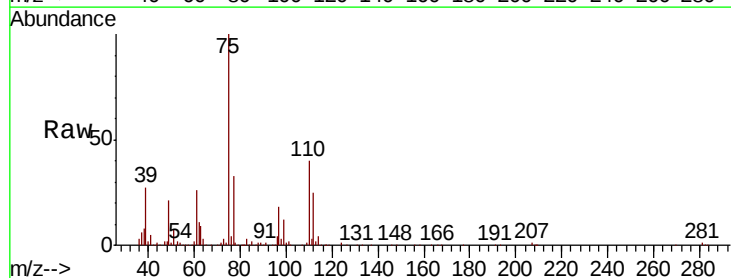
Acq: 04 May 2020 12:25

Tgt Ion: 75 Resp: 130542

Ion Ratio Lower Upper

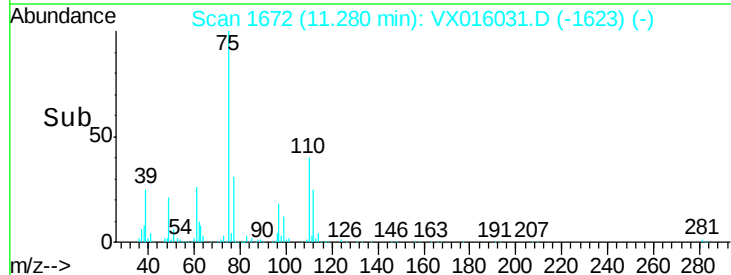
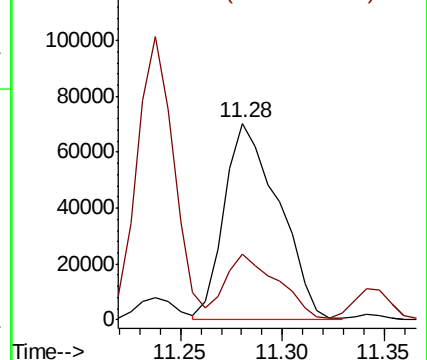
75 100

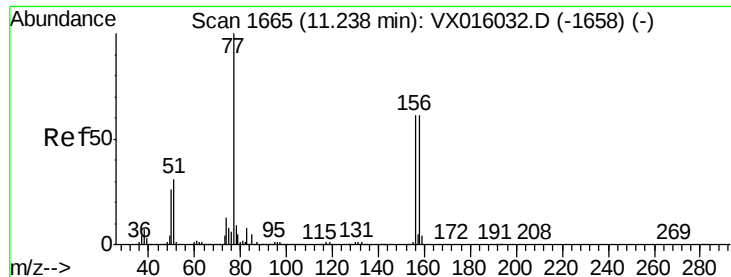
77 31.9 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.170 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

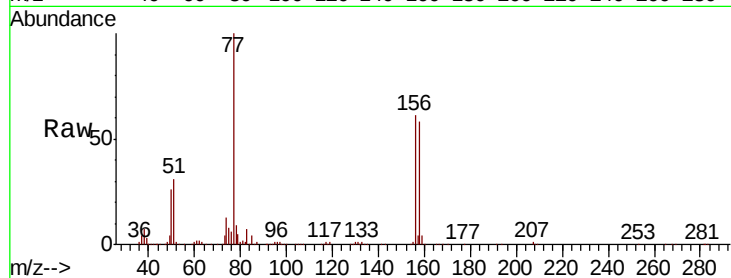
Tot Ion:156 Resp: 79529

Ion Ratio Lower Upper

156 100

77 159.9 80.1 240.3

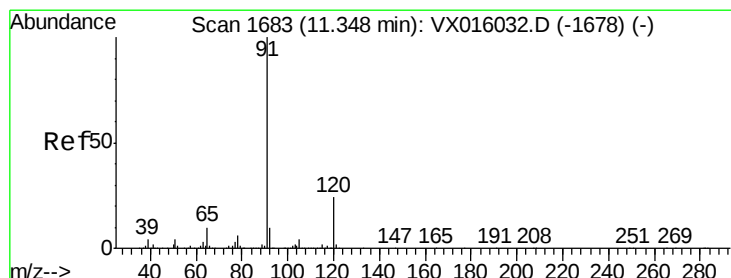
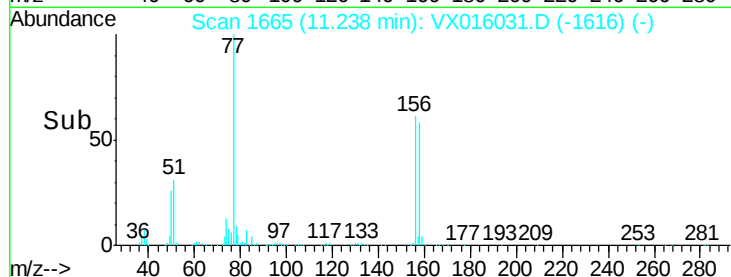
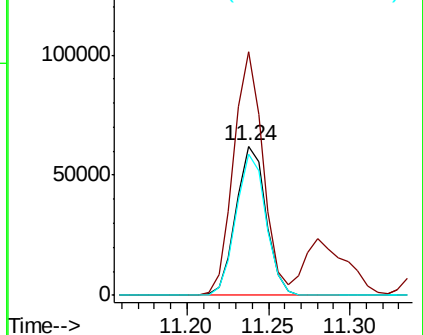
158 94.7 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.254 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016031.D

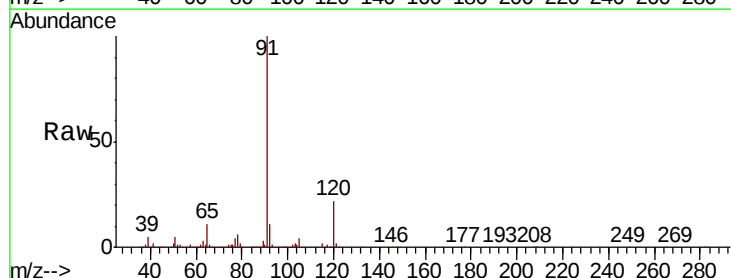
Acq: 04 May 2020 12:25

Tgt Ion: 91 Resp: 358791

Ion Ratio Lower Upper

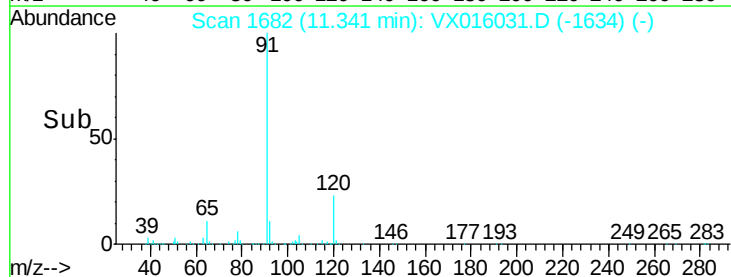
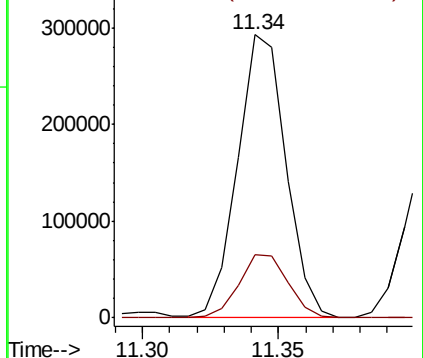
91 100

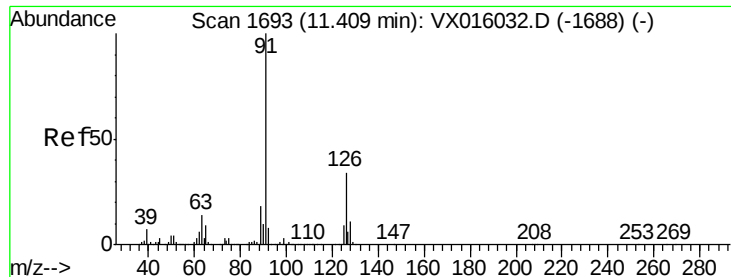
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

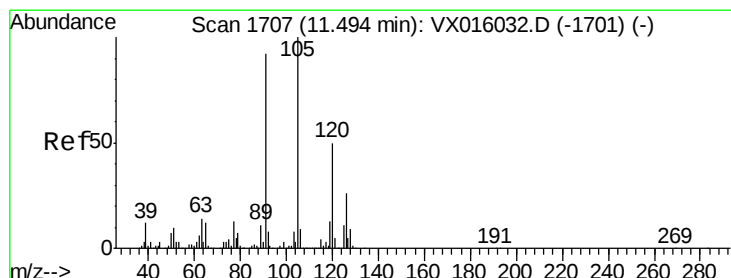
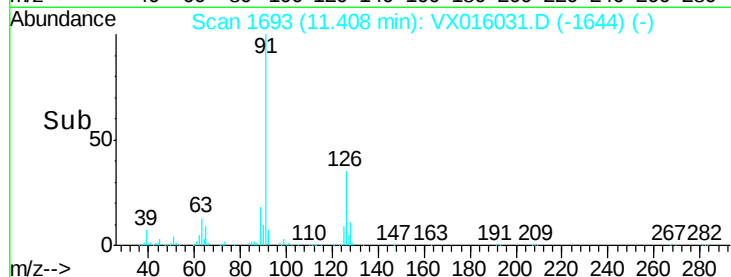
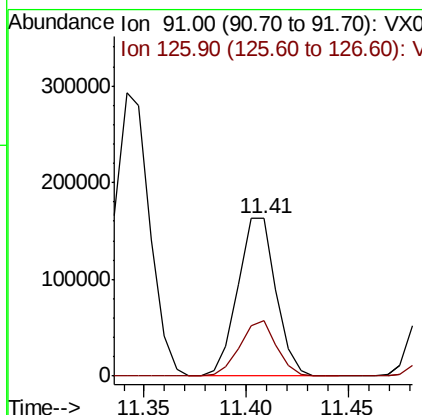
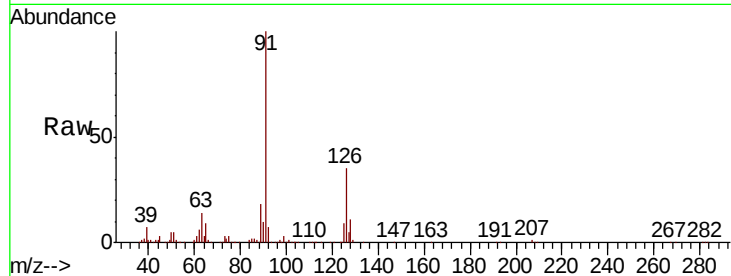




#79  
 2-Chlorotoluene  
 Concen: 17.202 ug/l  
 RT: 11.41 min Scan# 1693  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

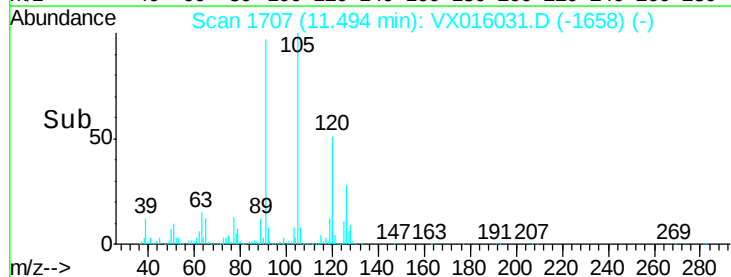
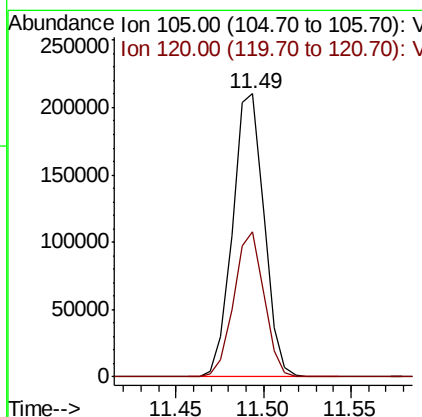
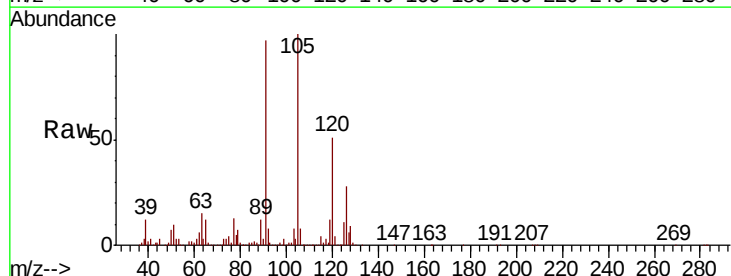
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

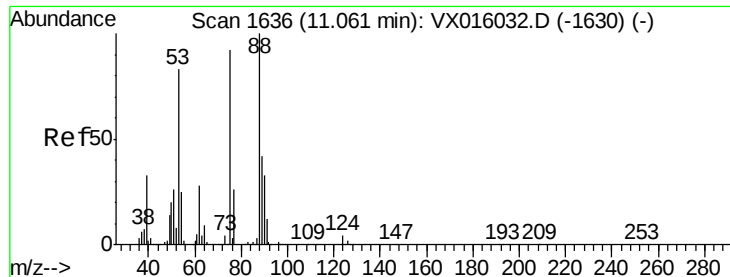
Tot Ion: 91 Resp: 211561  
 Ion Ratio Lower Upper  
 91 100  
 126 33.6 16.9 50.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 17.590 ug/l  
 RT: 11.49 min Scan# 1707  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Tgt Ion: 105 Resp: 262505  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.483 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

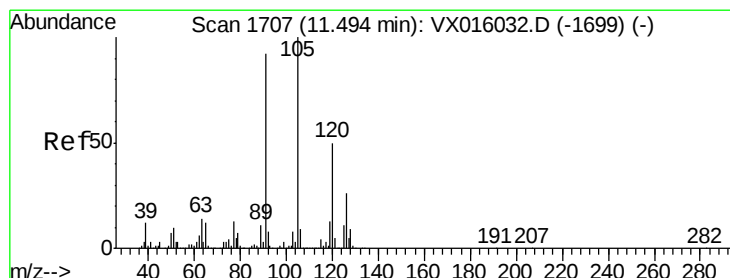
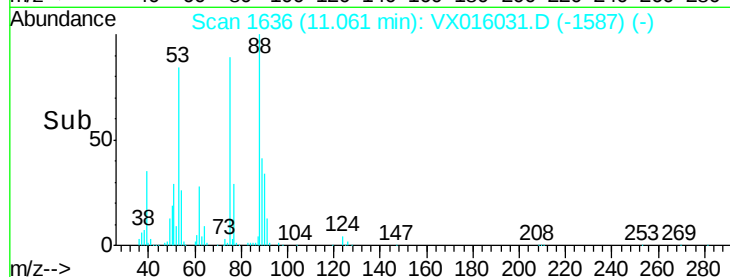
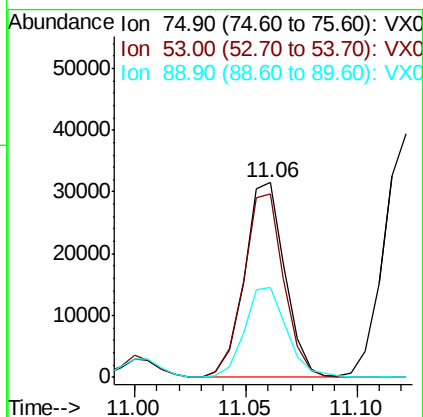
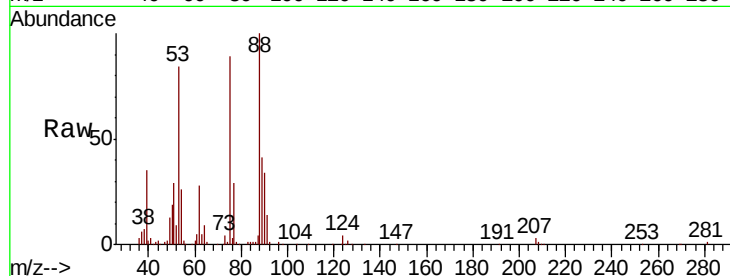
Tot Ion: 75 Resp: 39441

Ion Ratio Lower Upper

75 100

53 94.4 73.1 109.7

89 48.6 36.7 55.1



#82

4-Chlorotoluene

Concen: 17.114 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016031.D

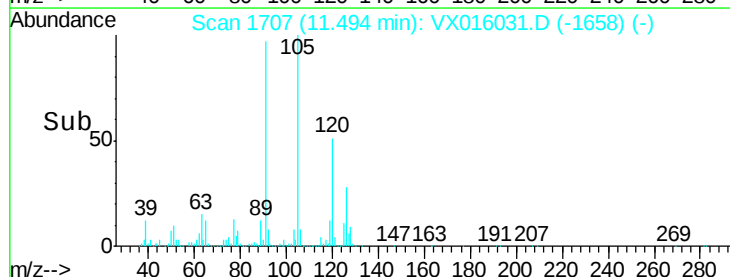
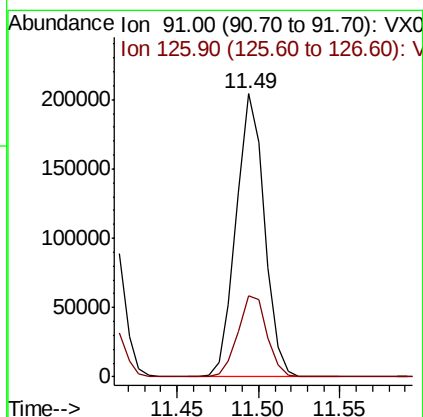
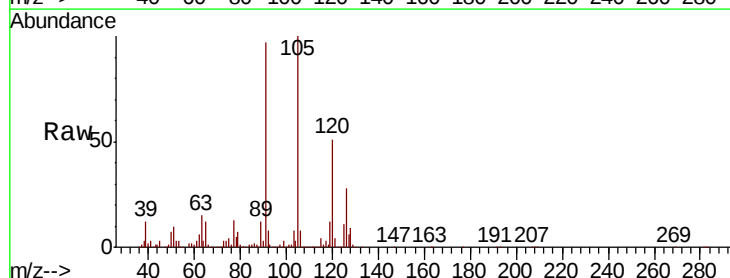
Acq: 04 May 2020 12:25

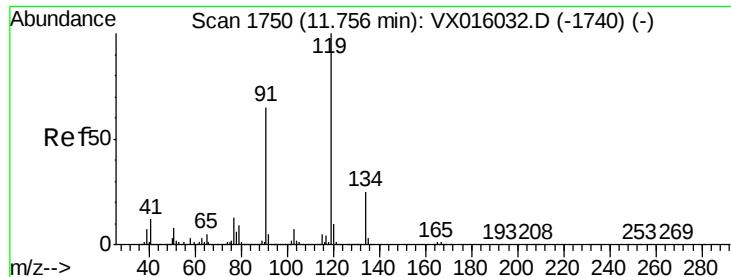
Tgt Ion: 91 Resp: 247064

Ion Ratio Lower Upper

91 100

126 29.5 14.8 44.3





#83

tert-Butylbenzene

Concen: 17.443 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

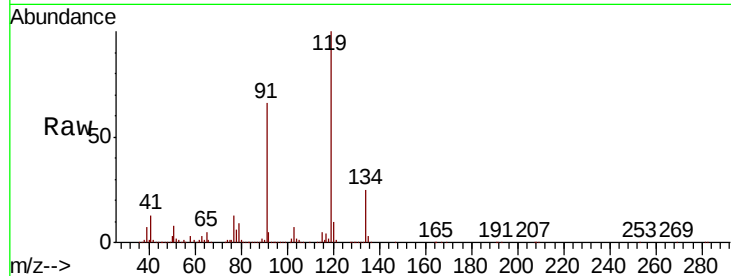
Tot Ion:119 Resp: 224185

Ion Ratio Lower Upper

119 100

91 66.1 32.8 98.4

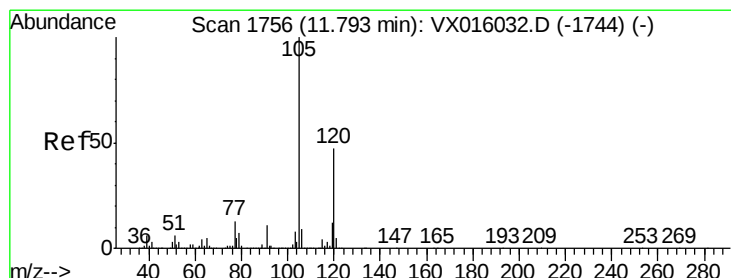
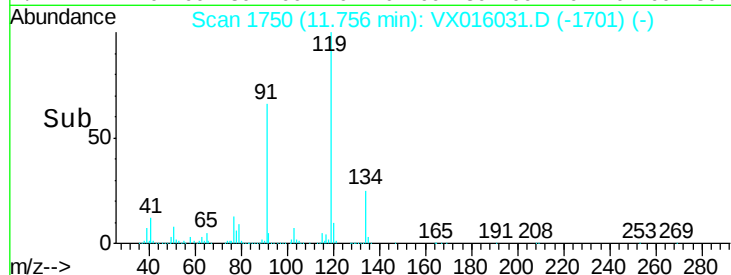
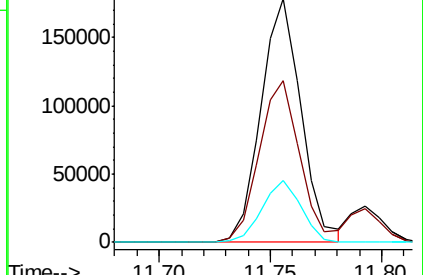
134 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.523 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016031.D

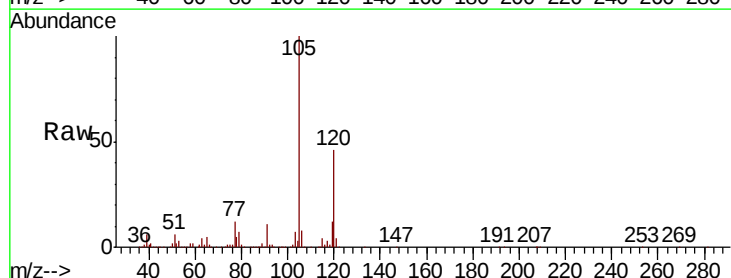
Acq: 04 May 2020 12:25

Tgt Ion:105 Resp: 264951

Ion Ratio Lower Upper

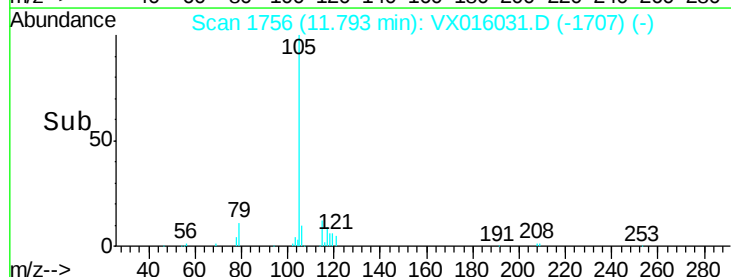
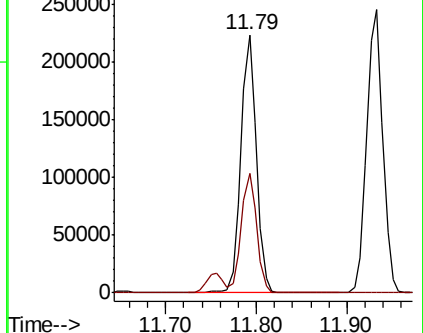
105 100

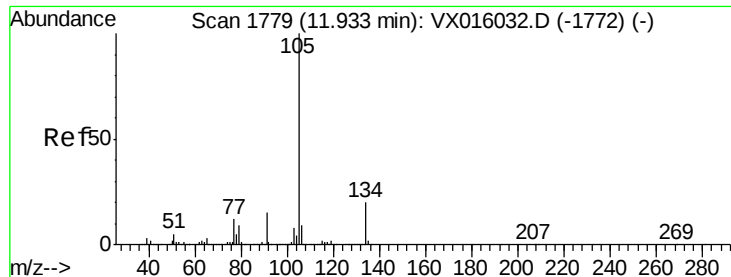
120 46.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.344 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampled :

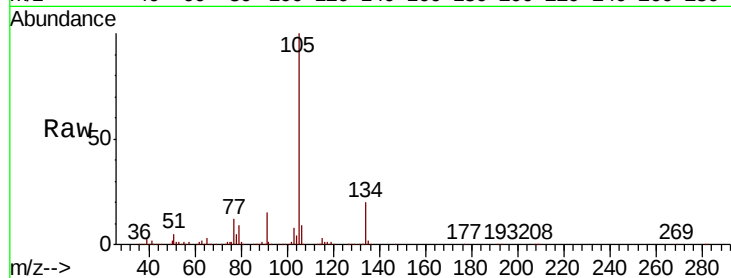
VSTDIC020

Tot Ion:105 Resp: 302376

Ion Ratio Lower Upper

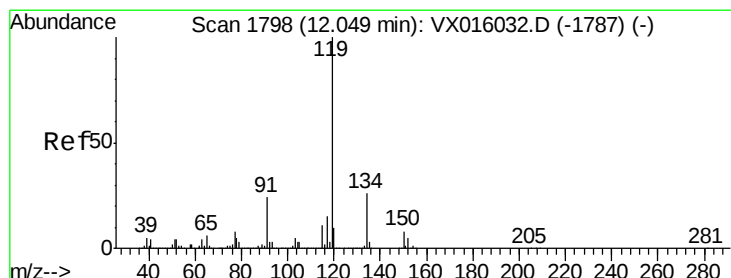
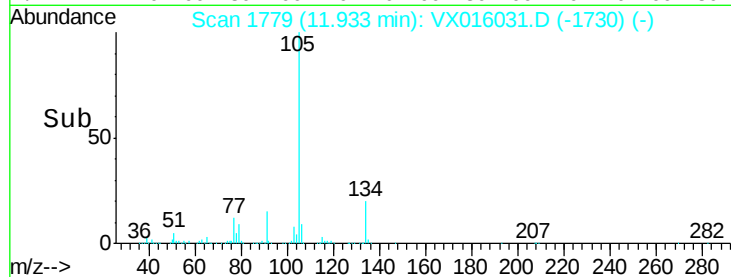
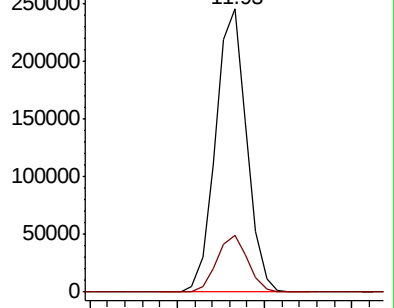
105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.626 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

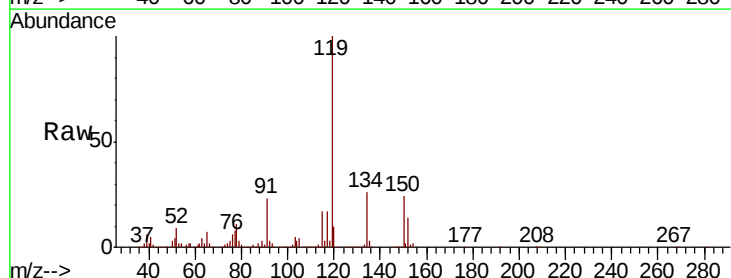
Tgt Ion:119 Resp: 284241

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

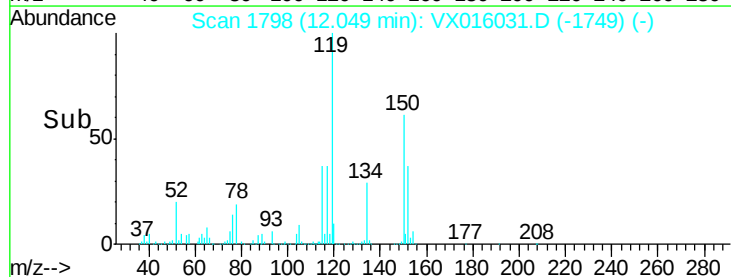
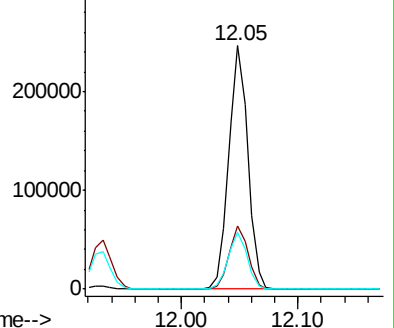
91 23.4 11.8 35.4

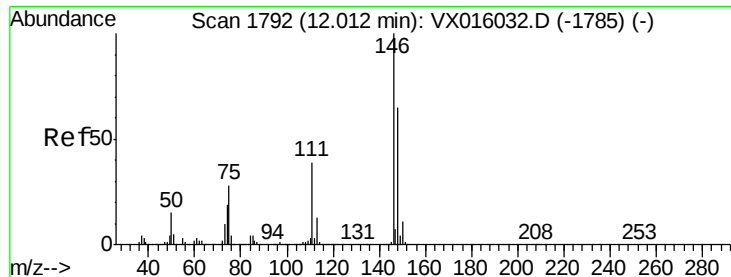


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.502 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

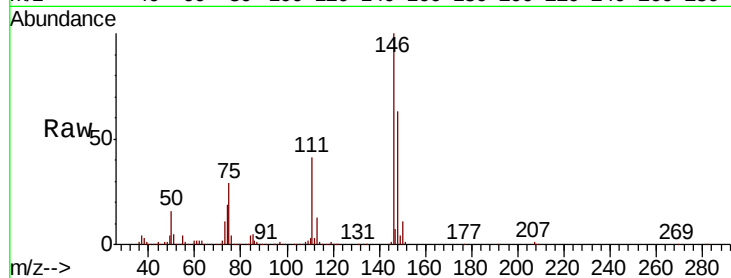
Tot Ion:146 Resp: 137351

Ion Ratio Lower Upper

146 100

111 41.6 20.2 60.6

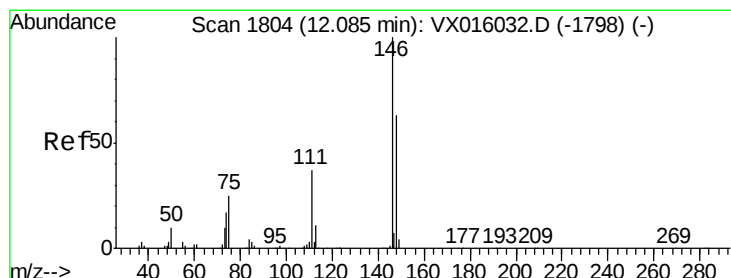
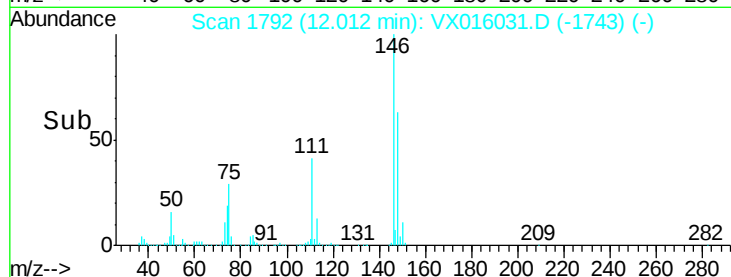
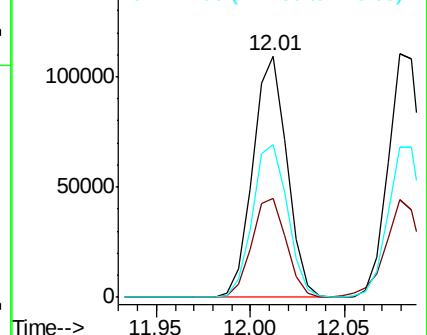
148 65.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 16.902 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

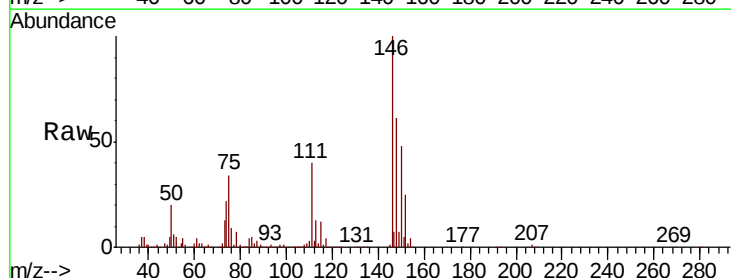
Tgt Ion:146 Resp: 140852

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.7

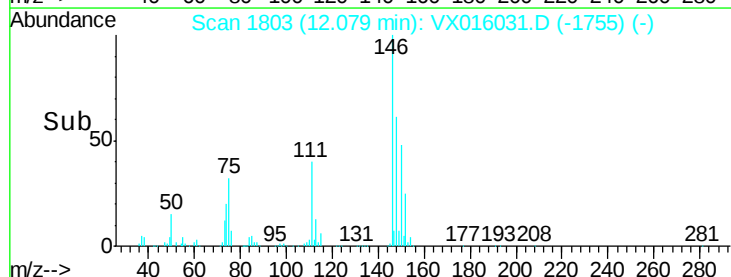
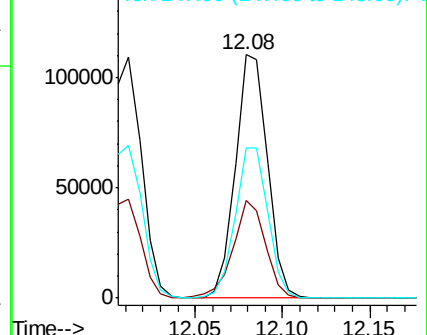
148 63.1 31.8 95.3

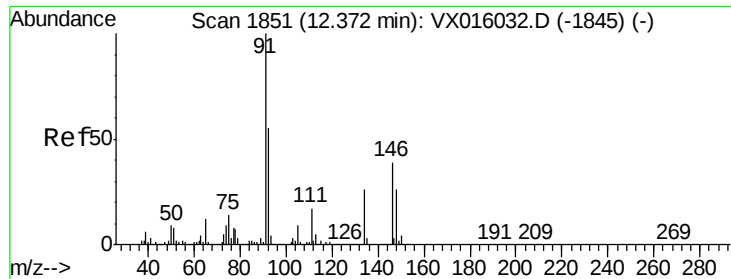


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

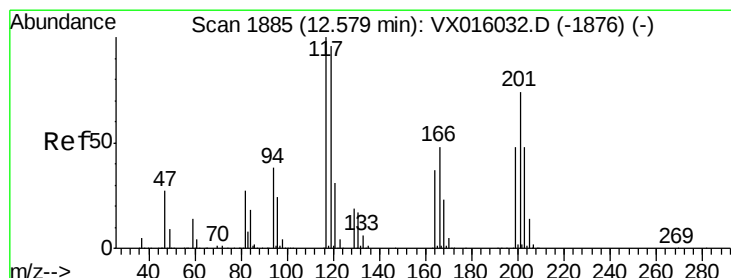
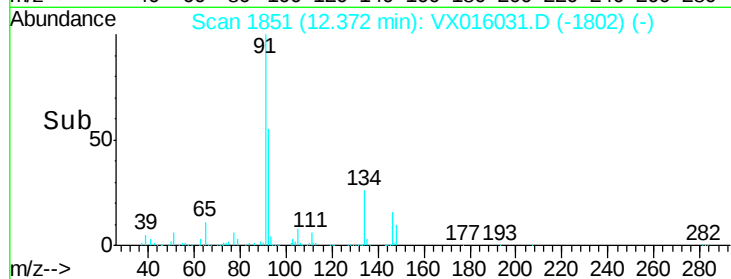
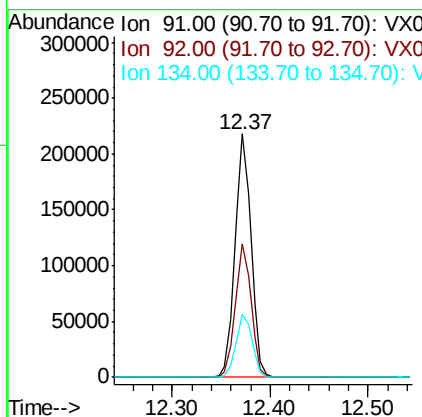
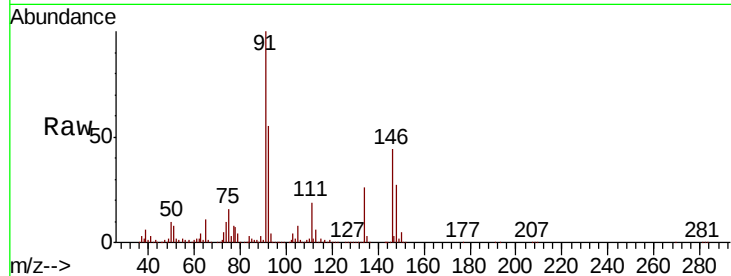




#89  
n-Butylbenzene  
Concen: 16.924 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

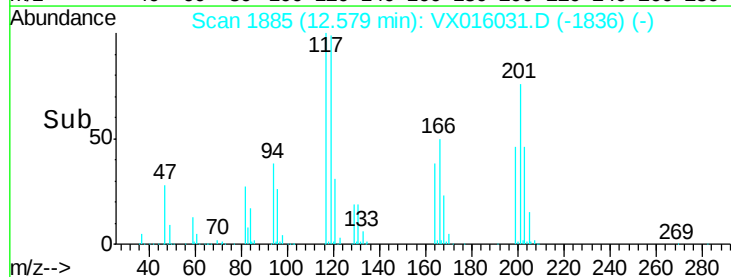
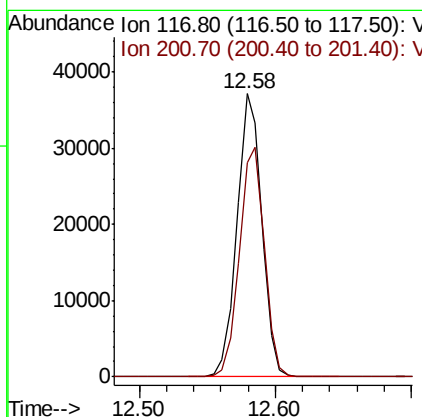
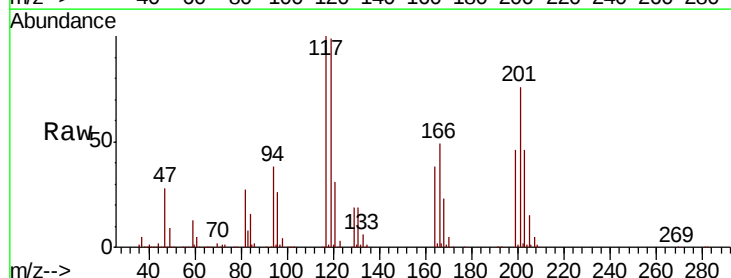
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

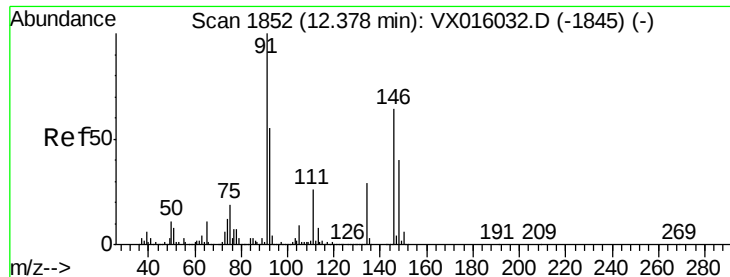
Tot Ion: 91 Resp: 248345  
Ion Ratio Lower Upper  
91 100  
92 54.5 27.6 82.7  
134 26.2 13.4 40.1



#90  
Hexachloroethane  
Concen: 17.551 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX016031.D  
Acq: 04 May 2020 12:25

Tgt Ion: 117 Resp: 47036  
Ion Ratio Lower Upper  
117 100  
201 81.7 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 17.211 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

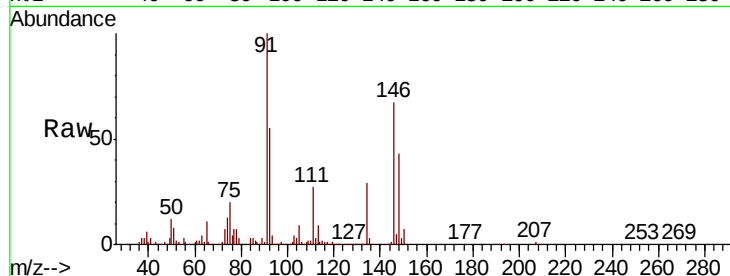
Tot Ion:146 Resp: 137435

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.1

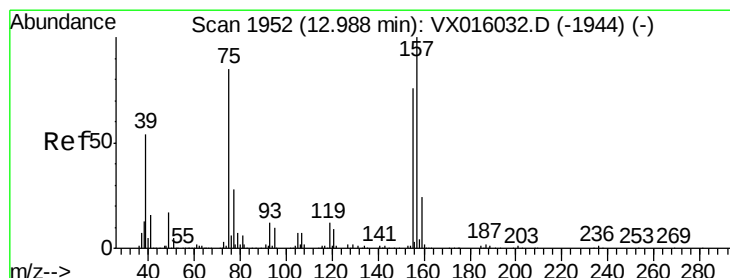
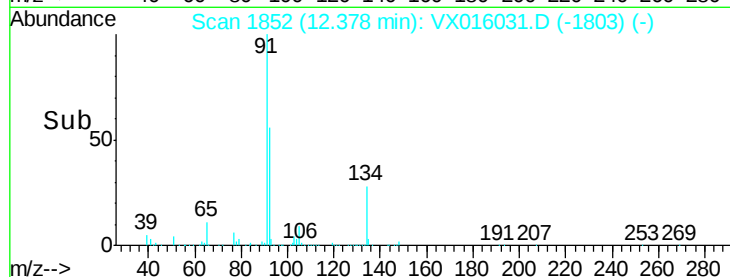
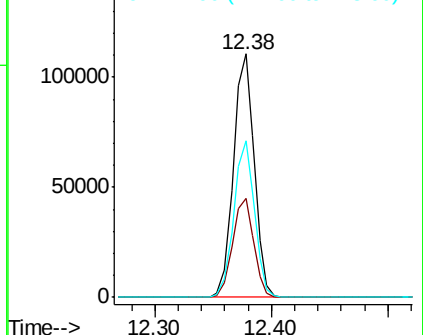
148 63.8 32.4 97.0



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: 16.605 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

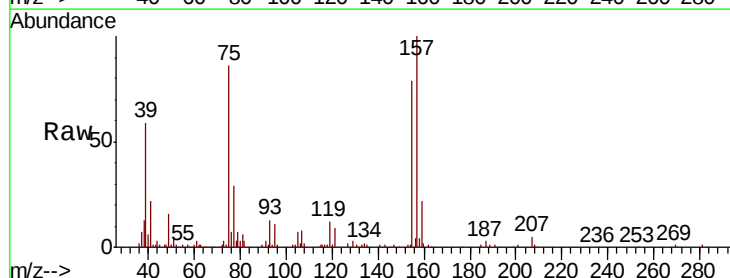
Tgt Ion: 75 Resp: 23943

Ion Ratio Lower Upper

75 100

155 84.8 42.5 127.5

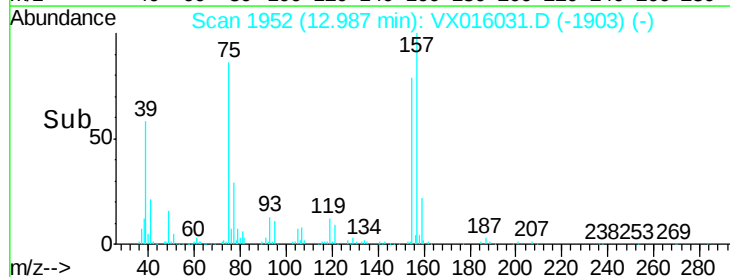
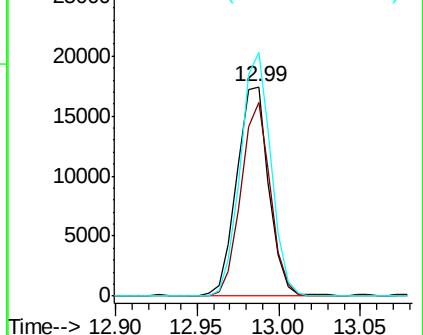
157 110.4 55.3 165.8

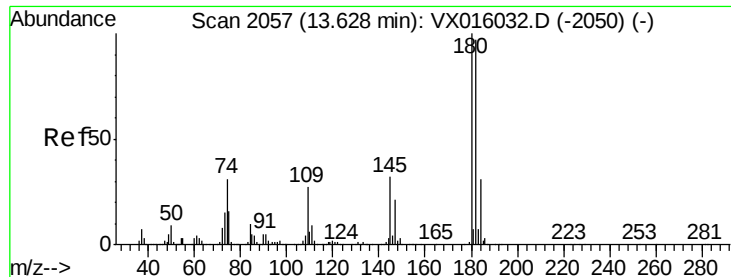


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

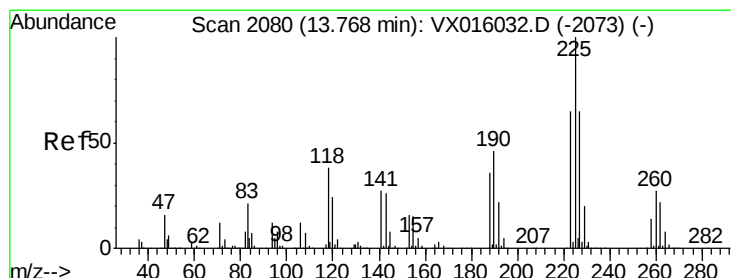
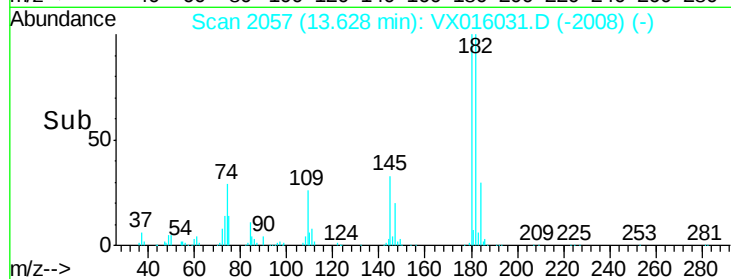
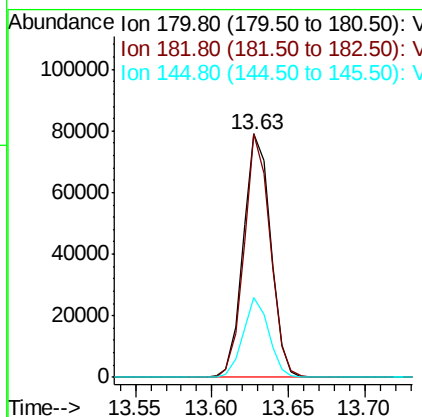
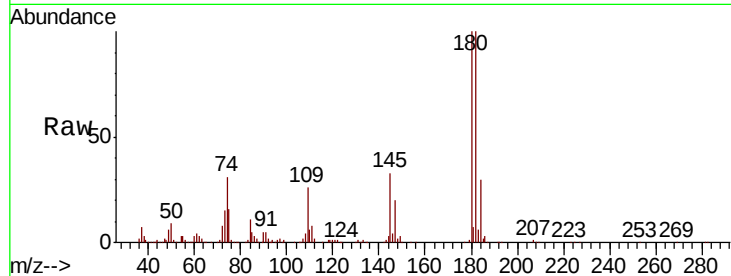




#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.550 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

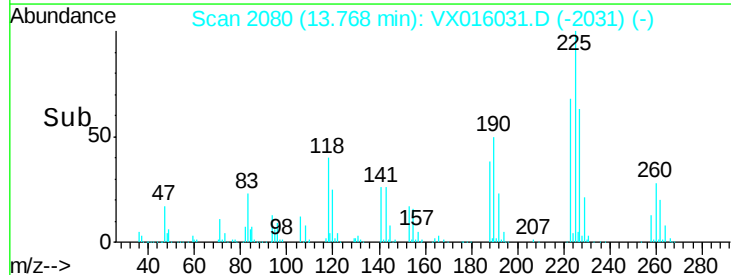
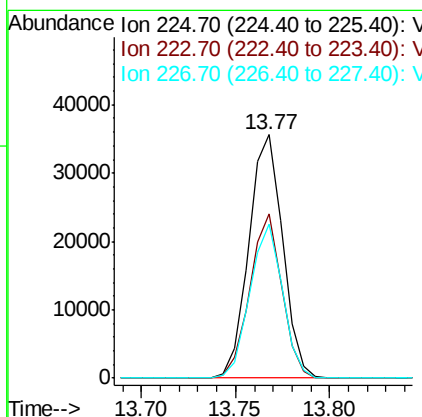
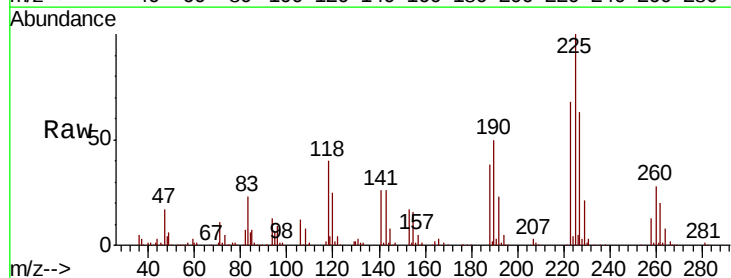
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

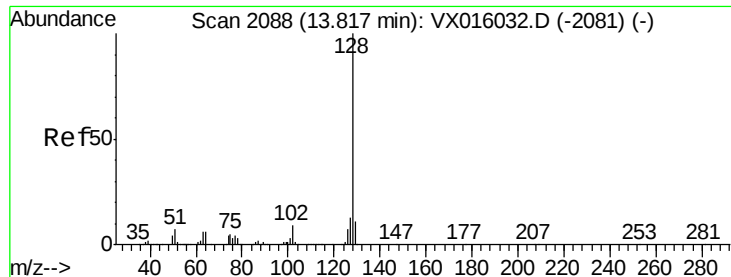
Tot Ion:180 Resp: 97459  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 48.7 146.1  
 145 30.9 15.7 47.1



#94  
 Hexachlorobutadiene  
 Concen: 15.999 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. -0.00 min  
 Lab File: VX016031.D  
 Acq: 04 May 2020 12:25

Tgt Ion:225 Resp: 44249  
 Ion Ratio Lower Upper  
 225 100  
 223 64.0 32.3 96.9  
 227 61.1 31.8 95.4





#95

Naphthalene

Concen: 17.145 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

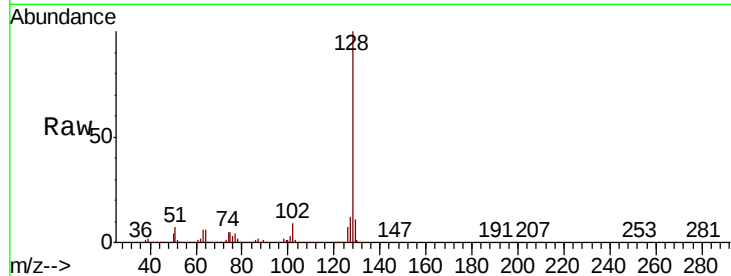
Tot Ion:128 Resp: 325048

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

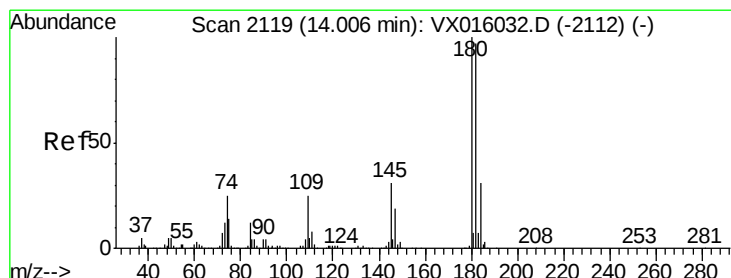
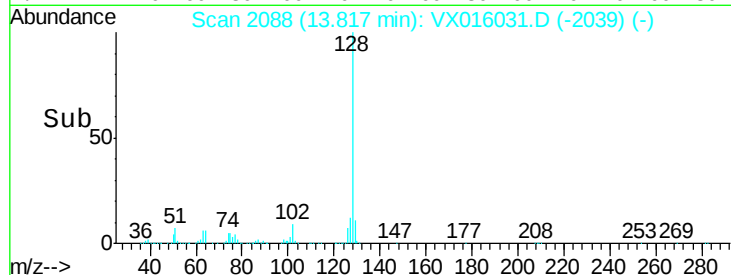
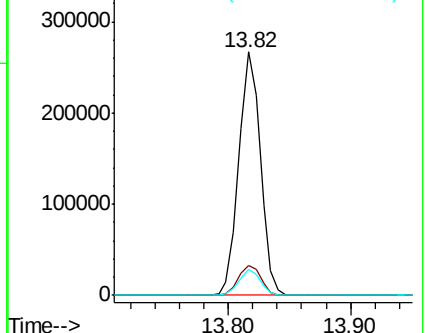
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.719 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

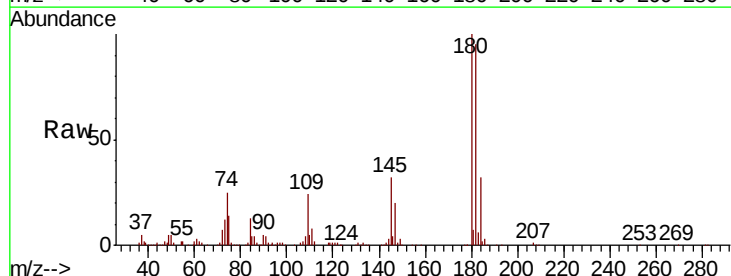
Tgt Ion:180 Resp: 96333

Ion Ratio Lower Upper

180 100

182 96.3 48.4 145.0

145 32.5 16.4 49.1



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

