

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX060520\  
 Data File : VX016601.D  
 Acq On : 05 Jun 2020 11:22  
 Operator : JC/SP  
 Sample : VX0605WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

Quant Time: Jun 06 05:58:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.62  | 168  | 233391   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 346826   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 322228   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 160010   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 139929   | 48.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.56%  |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 110271   | 51.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.28% |      |
| 50) Toluene-d8            | 8.70   | 98  | 422850   | 50.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.74% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 157474   | 49.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.06%  |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 41046  | 17.87  | ug/l | 100    |
| 3) Chloromethane              | 1.31 | 50  | 46168  | 16.63  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 49750  | 16.95  | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 32397  | 22.70  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 30896  | 18.04  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 74039  | 19.21  | ug/l | 96     |
| 8) Diethyl Ether              | 2.17 | 74  | 29577  | 18.40  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 41448  | 19.54  | ug/l | 98     |
| 10) Methyl Iodide             | 2.49 | 142 | 39107  | 17.54  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.00 | 59  | 62518  | 84.12  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 41019  | 18.27  | ug/l | 97     |
| 13) Acrolein                  | 2.27 | 56  | 32378  | 102.41 | ug/l | 100    |
| 14) Allyl chloride            | 2.70 | 41  | 68097  | 16.49  | ug/l | 96     |
| 15) Acrylonitrile             | 3.11 | 53  | 132143 | 86.79  | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 108621 | 85.54  | ug/l | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 110338 | 16.54  | ug/l | 100    |
| 18) Methyl Acetate            | 2.75 | 43  | 58909  | 18.09  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 3.16 | 73  | 150877 | 18.71  | ug/l | 97     |
| 20) Methylene Chloride        | 2.83 | 84  | 47175  | 17.96  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 44882  | 18.07  | ug/l | 92     |
| 22) Diisopropyl ether         | 3.82 | 45  | 135438 | 17.07  | ug/l | 90     |
| 23) Vinyl Acetate             | 3.78 | 43  | 591558 | 85.18  | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 81232  | 18.14  | ug/l | 99     |
| 25) 2-Butanone                | 4.63 | 43  | 178171 | 82.80  | ug/l | 93     |
| 26) 2,2-Dichloropropane       | 4.54 | 77  | 73255  | 19.99  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 52251  | 18.18  | ug/l | 100    |
| 28) Bromochloromethane        | 4.98 | 49  | 36121  | 17.36  | ug/l | 88     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 115257 | 82.91  | ug/l | 94     |
| 30) Chloroform                | 5.17 | 83  | 85040  | 18.85  | ug/l | 98     |
| 31) Cyclohexane               | 5.55 | 56  | 65097  | 16.16  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 78188  | 19.14  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 59283  | 18.05  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.79 | 43  | 67761  | 17.19  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 68820  | 19.94  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX060520\  
 Data File : VX016601.D  
 Acq On : 05 Jun 2020 11:22  
 Operator : JC/SP  
 Sample : VX0605WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

Quant Time: Jun 06 05:58:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 67490    | 18.92  | ug/l   | 96       |
| 40) Benzene                    | 6.11  | 78   | 185303   | 18.95  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.00  | 41   | 37296    | 17.22  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 68439    | 19.68  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.41  | 43   | 106105   | 17.25  | ug/l   | 97       |
| 44) Trichloroethene            | 7.19  | 130  | 60001    | 19.34  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 46518    | 18.69  | ug/l   | 99       |
| 46) Dibromomethane             | 7.63  | 93   | 32534    | 19.46  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.87  | 83   | 68681    | 19.84  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.74  | 41   | 51464    | 17.48  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 25626    | 371.90 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 346642   | 90.53  | ug/l   | 98       |
| 52) Toluene                    | 8.76  | 92   | 119927   | 19.45  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 75632    | 19.21  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 81038    | 19.45  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 48221    | 19.67  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 74247    | 18.59  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 81769    | 19.43  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 183834   | 88.20  | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.47  | 43   | 263159   | 88.38  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.56  | 129  | 56431    | 20.45  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 50990    | 19.42  | ug/l   | 96       |
| 64) Tetrachloroethene          | 9.32  | 164  | 69856    | 19.38  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.12 | 112  | 128174   | 19.51  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 51509    | 20.54  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.23 | 91   | 221884   | 18.97  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 170814   | 39.39  | ug/l   | 98       |
| 69) o-Xylene                   | 10.68 | 106  | 80282    | 19.12  | ug/l   | 98       |
| 70) Styrene                    | 10.70 | 104  | 139338   | 19.30  | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 42527    | 20.07  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.00 | 105  | 215597   | 19.45  | ug/l   | 98       |
| 74) N-amyl acetate             | 10.88 | 43   | 88021    | 17.26  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 53922    | 19.41  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 88988    | 25.30  | ug/l   | 83       |
| 77) Bromobenzene               | 11.24 | 156  | 57345    | 19.72  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.34 | 91   | 239937   | 19.37  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 146848   | 19.42  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 184575   | 19.94  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 25907    | 18.12  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 172733   | 19.35  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 154808   | 19.57  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 184103   | 19.66  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 198991   | 20.05  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 185434   | 19.95  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 97451    | 19.34  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 102350   | 19.86  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 152135   | 19.65  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 31901    | 19.87  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 96233    | 19.72  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 16515    | 18.35  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX060520\  
Data File : VX016601.D  
Acq On : 05 Jun 2020 11:22  
Operator : JC/SP  
Sample : VX0605WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

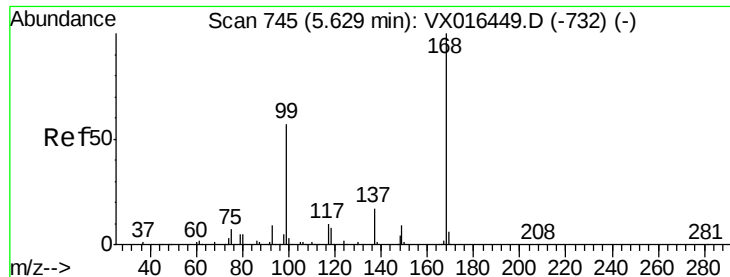
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

Quant Time: Jun 06 05:58:10 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 67621    | 20.86 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 32168    | 25.28 | ug/l  | 95       |
| 95) Naphthalene            | 13.82 | 128  | 211953   | 19.07 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 66757    | 21.02 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

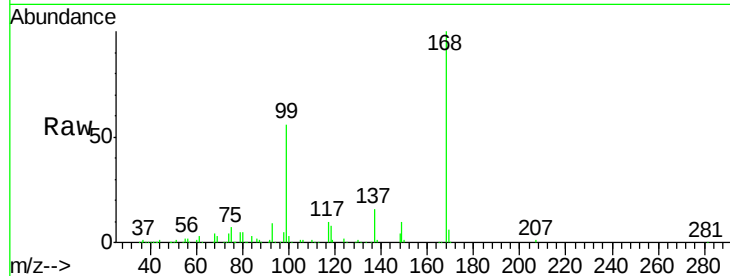
VX0605WBSD01

Tgt Ion:168 Resp: 233391

Ion Ratio Lower Upper

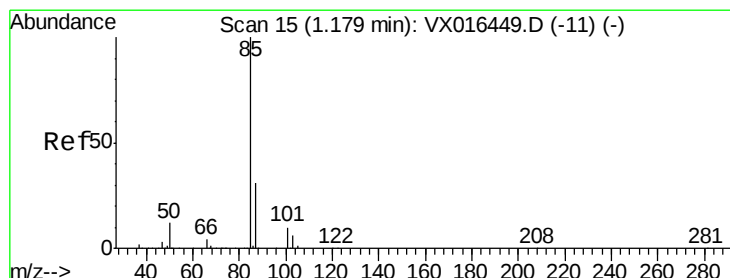
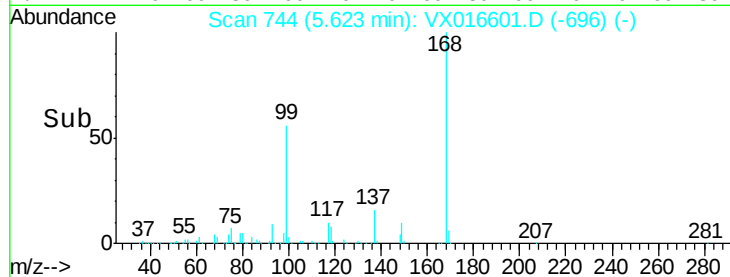
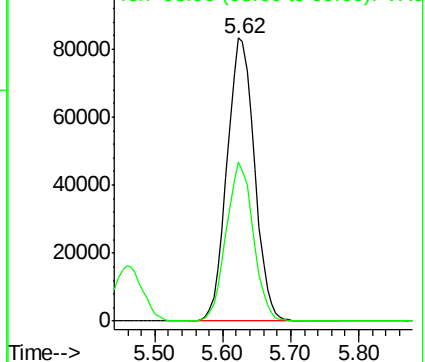
168 100

99 55.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.87 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016601.D

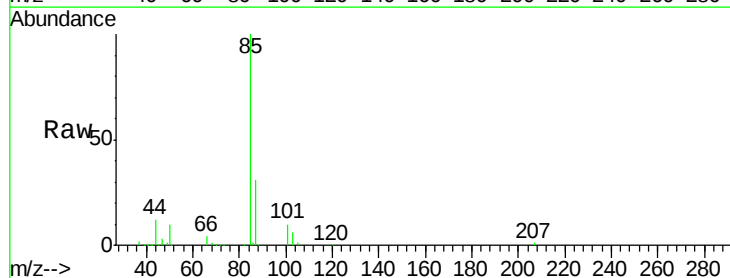
Acq: 05 Jun 2020 11:22

Tgt Ion: 85 Resp: 41046

Ion Ratio Lower Upper

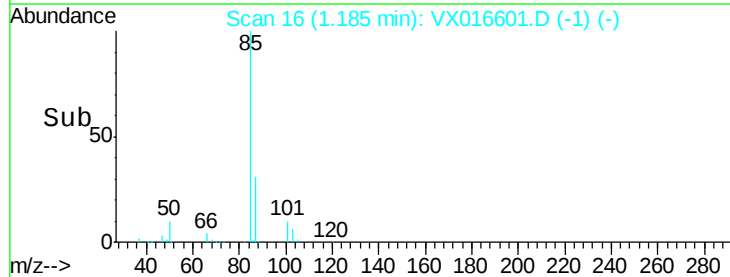
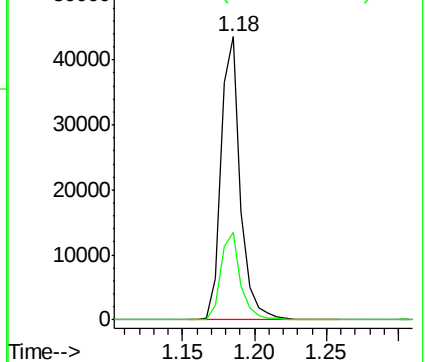
85 100

87 30.9 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.63 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

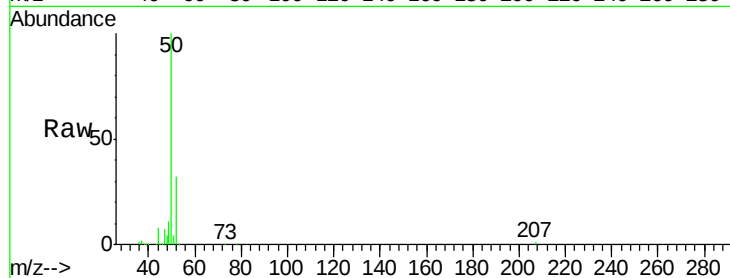
VX0605WBSD01

Tgt Ion: 50 Resp: 46168

Ion Ratio Lower Upper

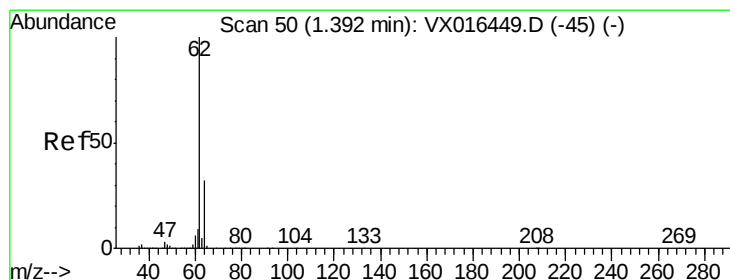
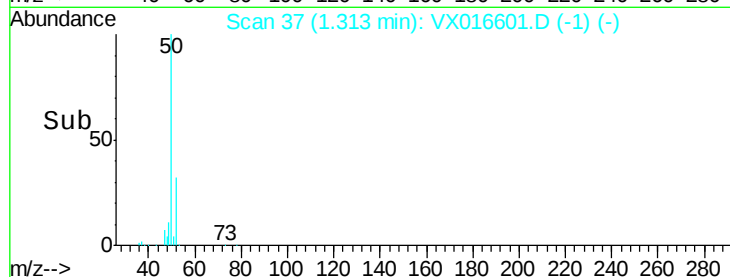
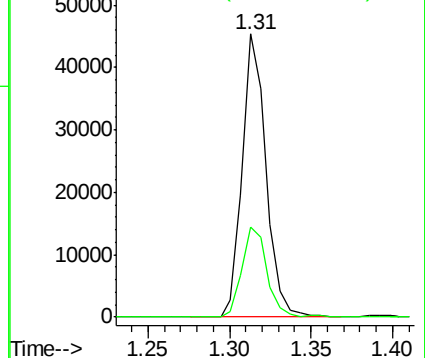
50 100

52 32.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.95 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016601.D

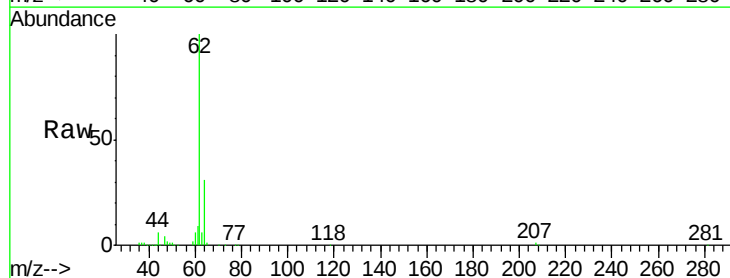
Acq: 05 Jun 2020 11:22

Tgt Ion: 62 Resp: 49750

Ion Ratio Lower Upper

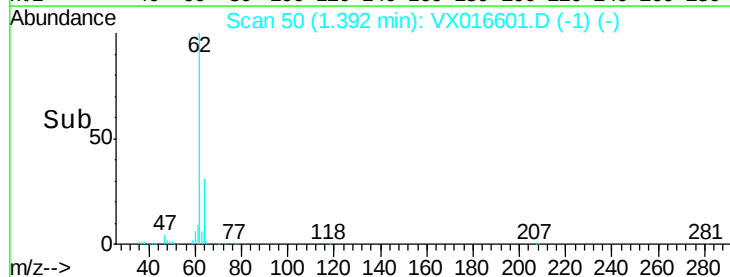
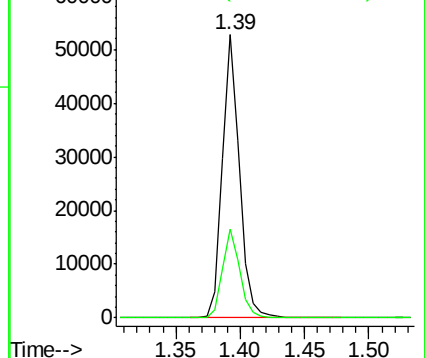
62 100

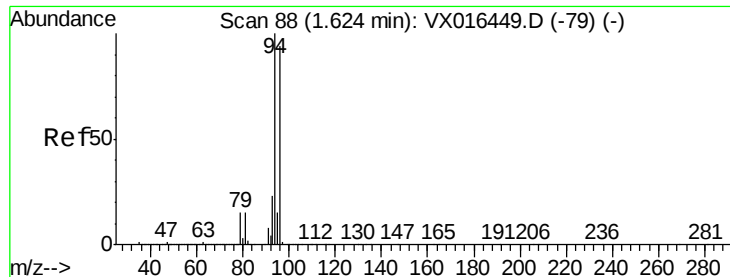
64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.70 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

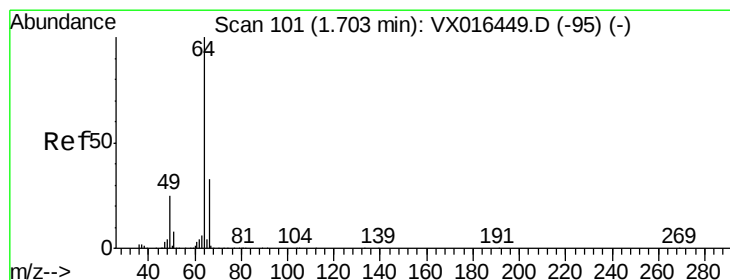
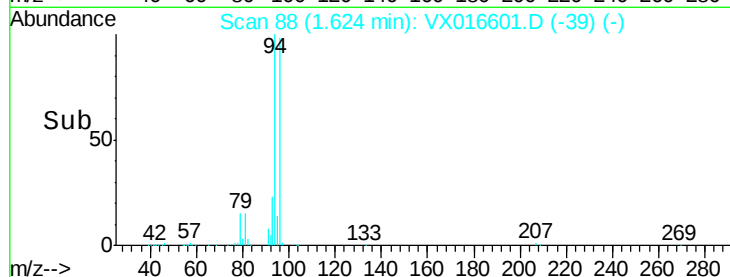
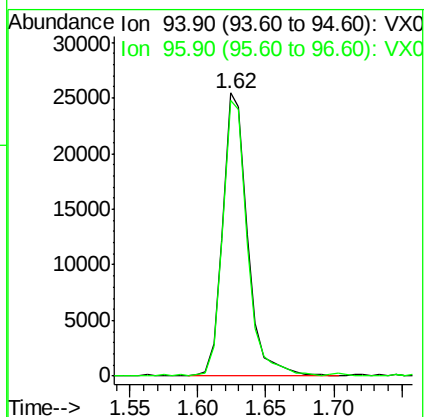
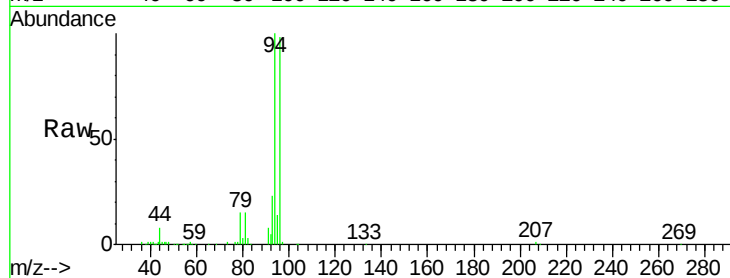
VX0605WBSD01

Tgt Ion: 94 Resp: 32397

Ion Ratio Lower Upper

94 100

96 97.2 75.1 112.7



#6

Chloroethane

Concen: 18.04 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016601.D

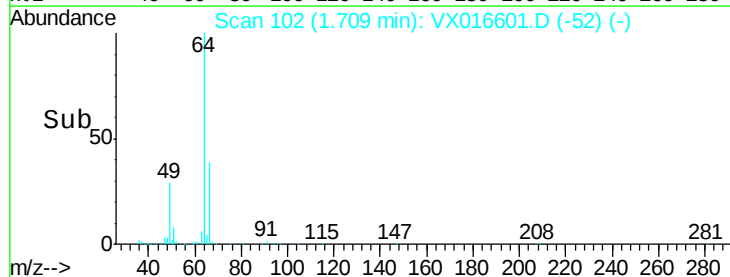
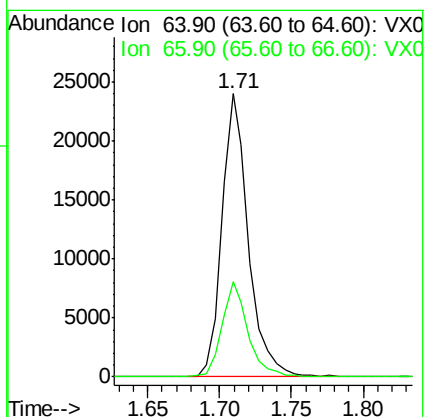
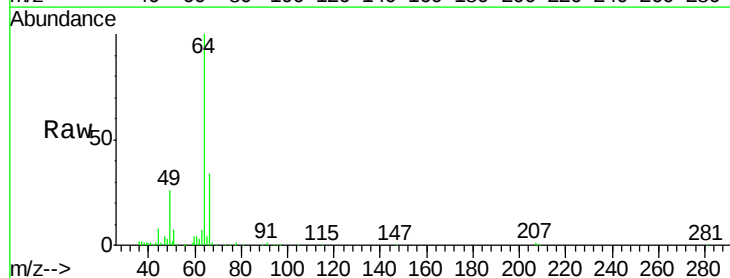
Acq: 05 Jun 2020 11:22

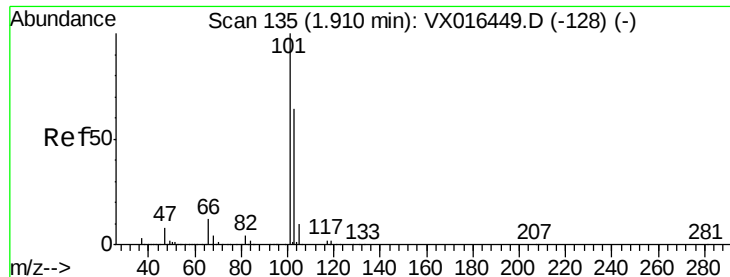
Tgt Ion: 64 Resp: 30896

Ion Ratio Lower Upper

64 100

66 33.8 26.7 40.1





#7

Trichlorofluoromethane

Concen: 19.21 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

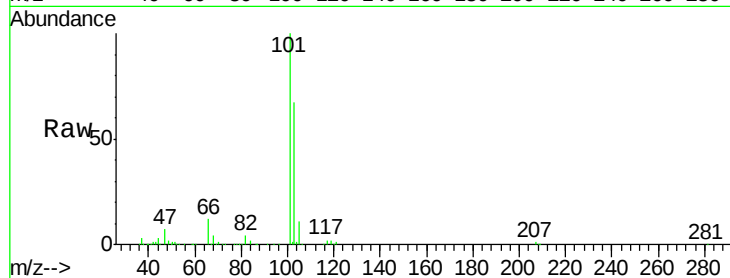
VX0605WBSD01

Tgt Ion:101 Resp: 74039

Ion Ratio Lower Upper

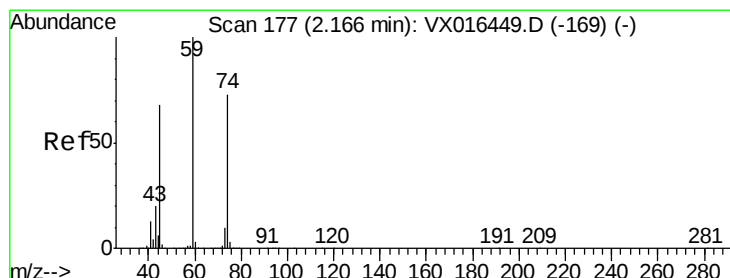
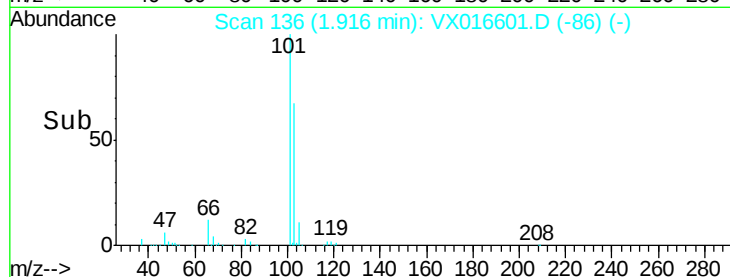
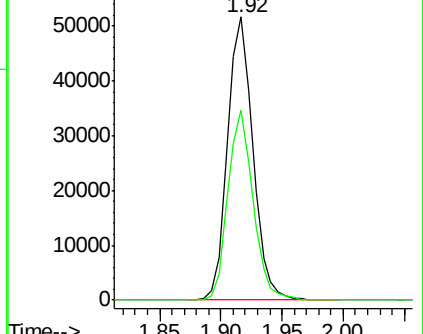
101 100

103 66.9 50.9 76.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.40 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016601.D

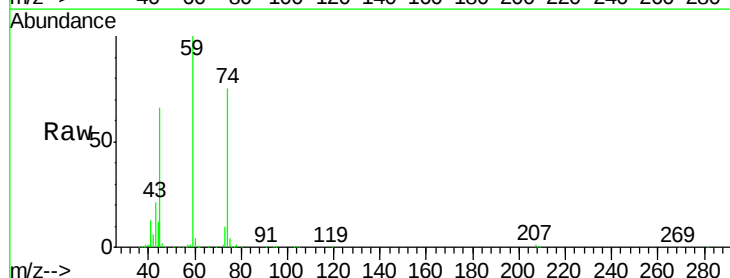
Acq: 05 Jun 2020 11:22

Tgt Ion: 74 Resp: 29577

Ion Ratio Lower Upper

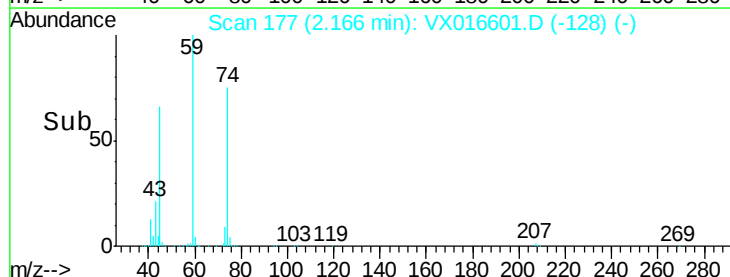
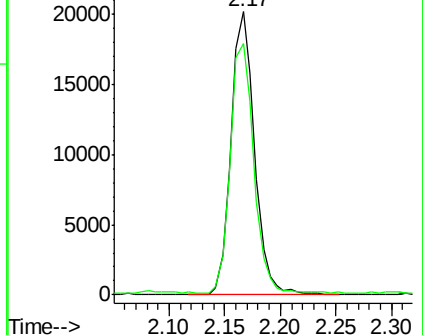
74 100

45 88.7 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.54 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

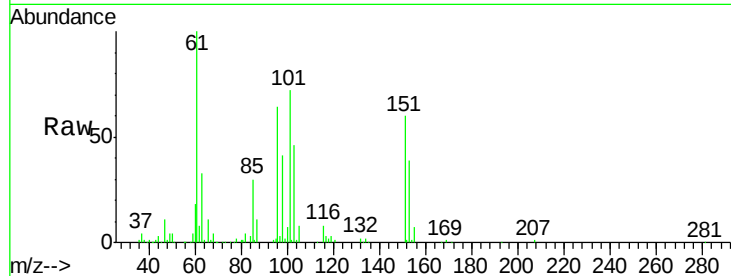
Tgt Ion:101 Resp: 41448

Ion Ratio Lower Upper

101 100

85 42.1 34.4 51.6

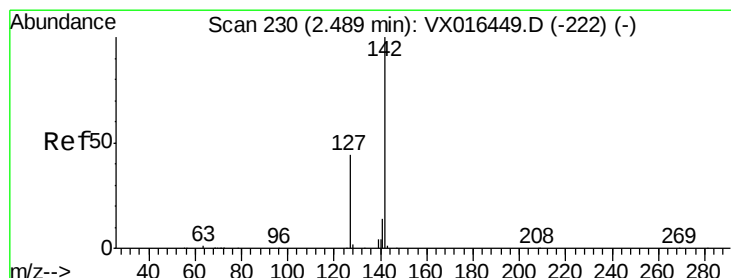
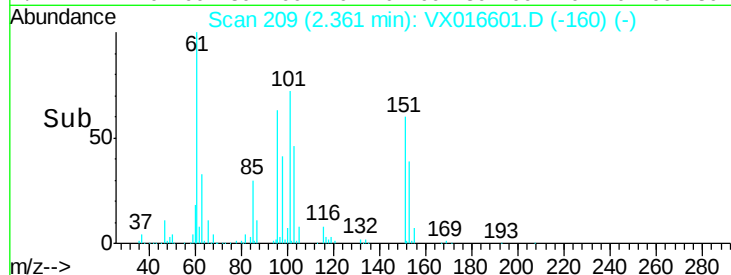
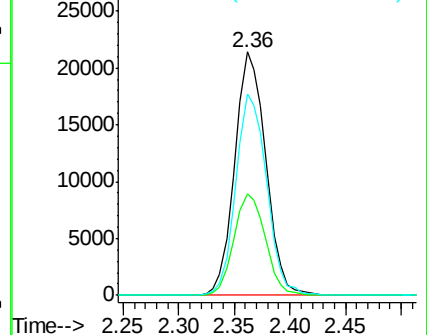
151 82.2 63.8 95.6



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: 17.54 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

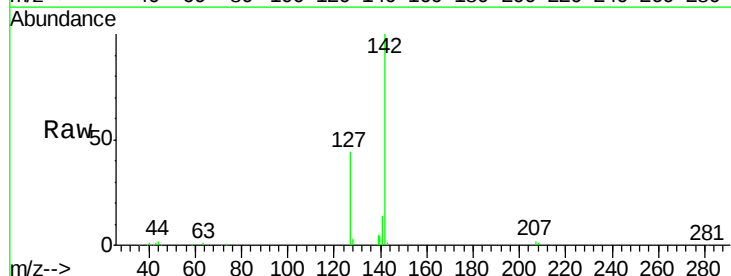
Tgt Ion:142 Resp: 39107

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

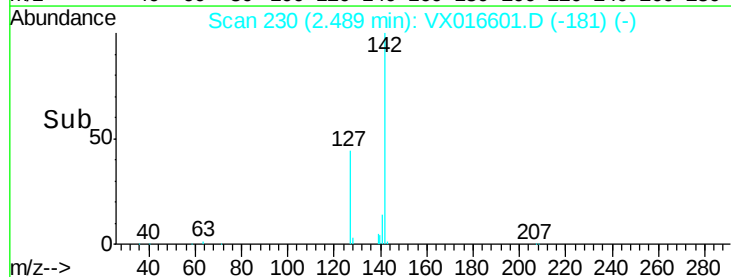
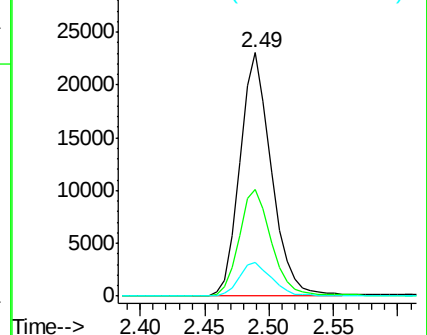
141 14.5 11.4 17.2

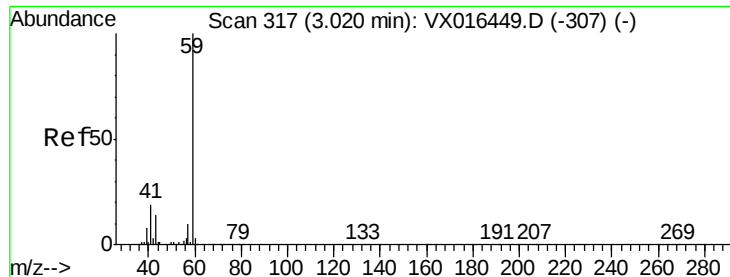


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.12 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

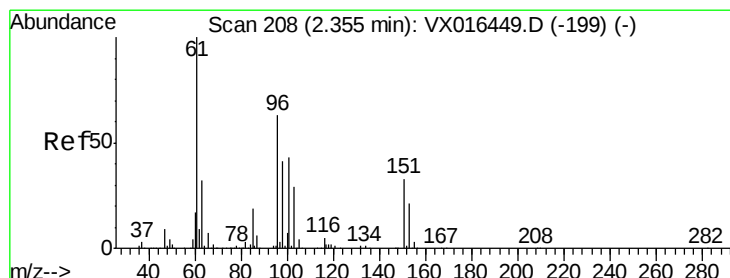
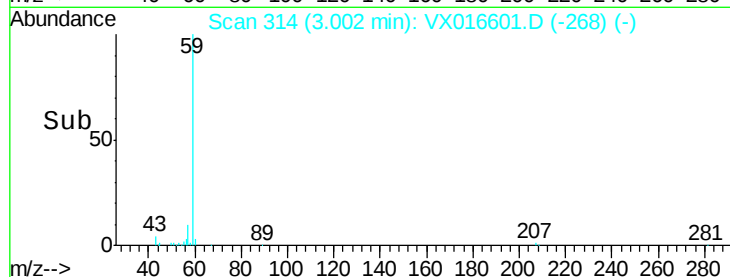
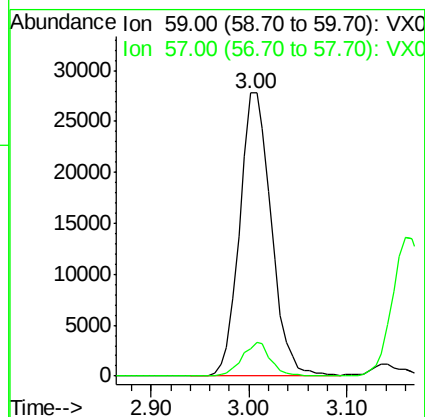
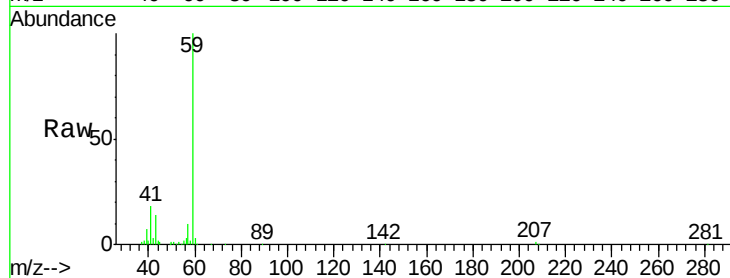
VX0605WBSD01

Tgt Ion: 59 Resp: 62518

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.4



#12

1,1-Dichloroethene

Concen: 18.27 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

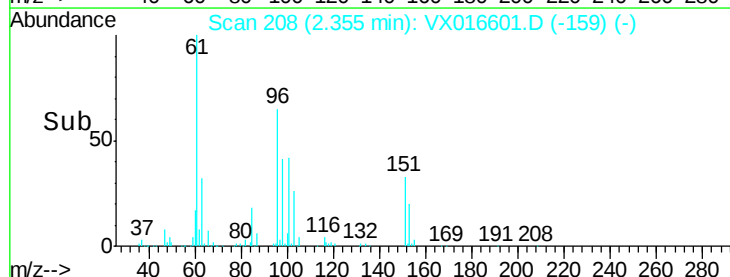
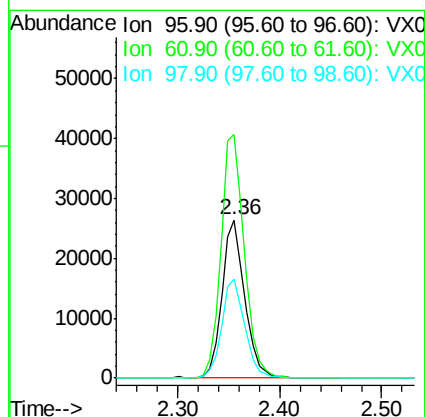
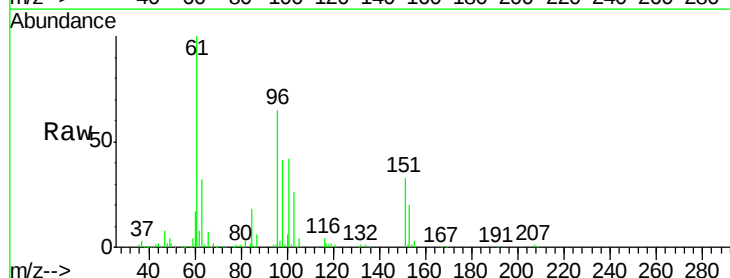
Tgt Ion: 96 Resp: 41019

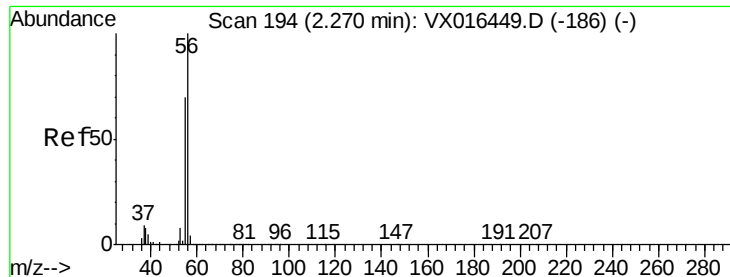
Ion Ratio Lower Upper

96 100

61 153.8 126.6 189.8

98 62.4 51.3 76.9





#13

Acrolein

Concen: 102.41 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

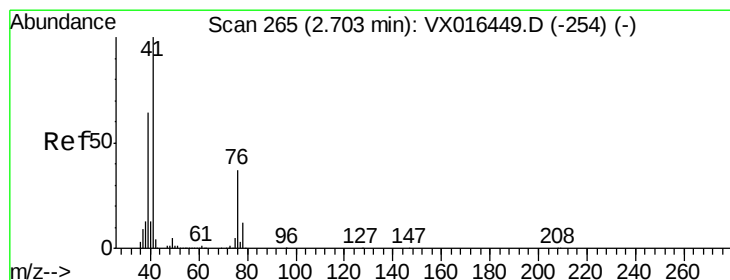
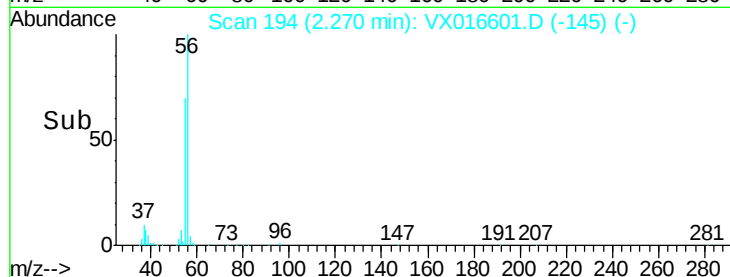
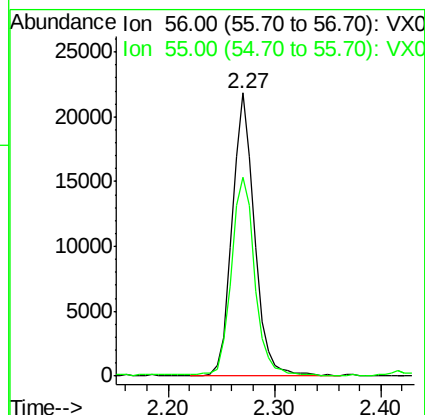
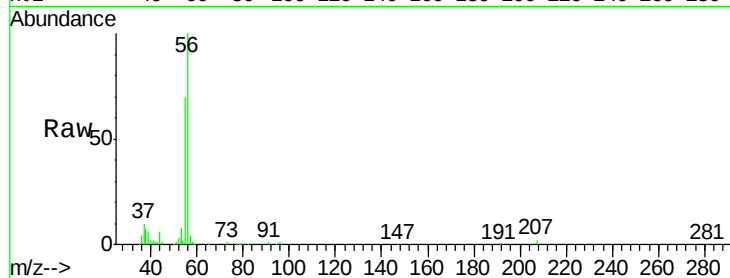
VX0605WBSD01

Tgt Ion: 56 Resp: 32378

Ion Ratio Lower Upper

56 100

55 73.1 58.3 87.5



#14

Allyl chloride

Concen: 16.49 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

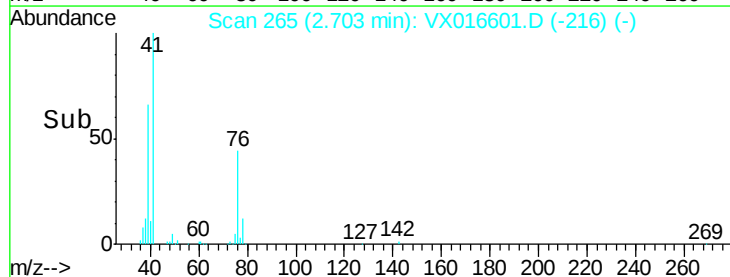
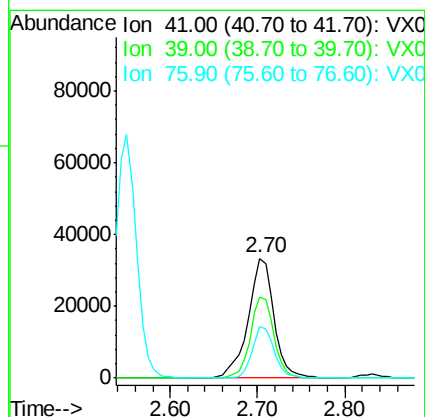
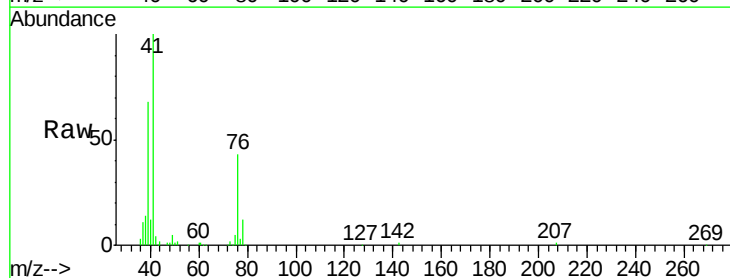
Tgt Ion: 41 Resp: 68097

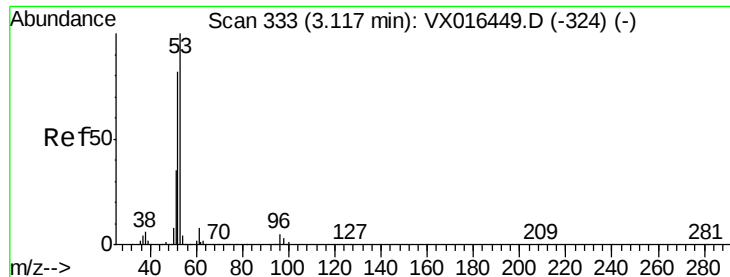
Ion Ratio Lower Upper

41 100

39 61.5 47.7 71.5

76 36.5 26.6 40.0





#15

Acrylonitrile

Concen: 86.79 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

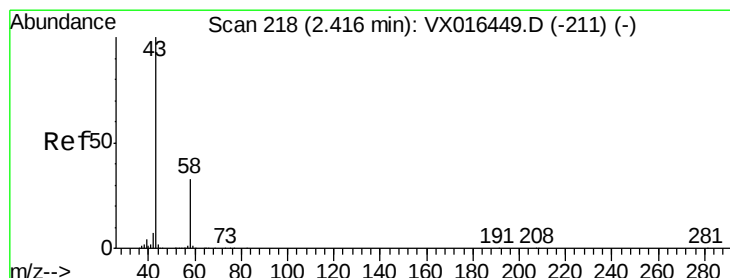
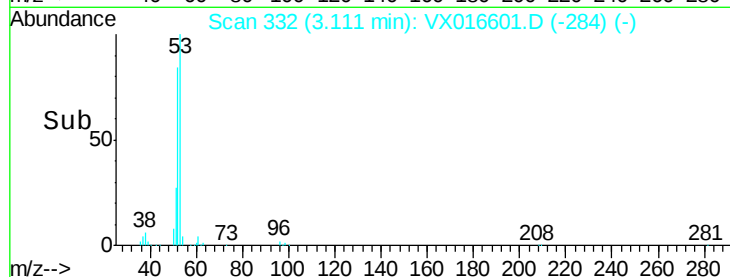
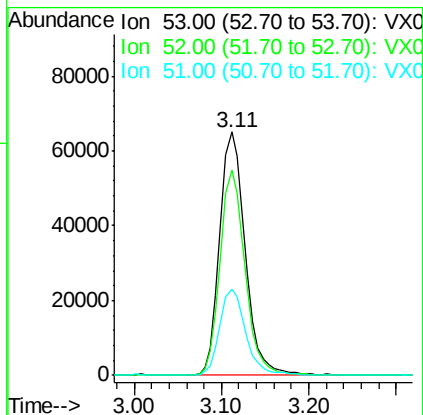
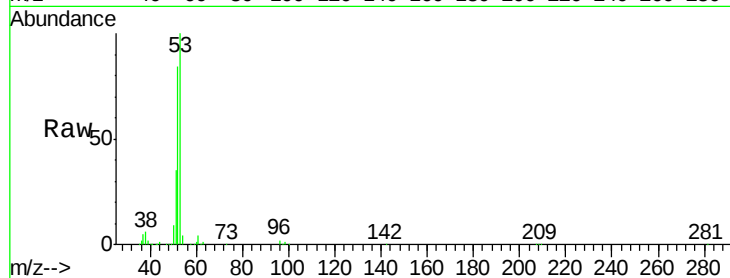
Tgt Ion: 53 Resp: 132143

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

51 36.4 28.6 43.0



#16

Acetone

Concen: 85.54 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016601.D

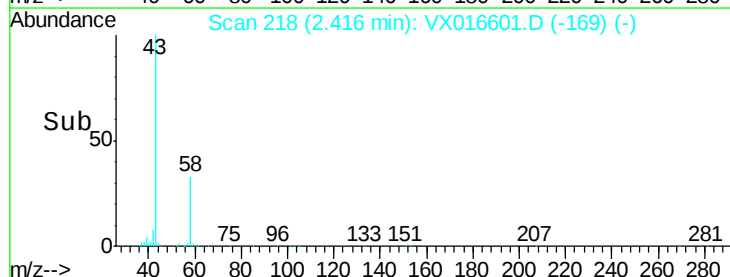
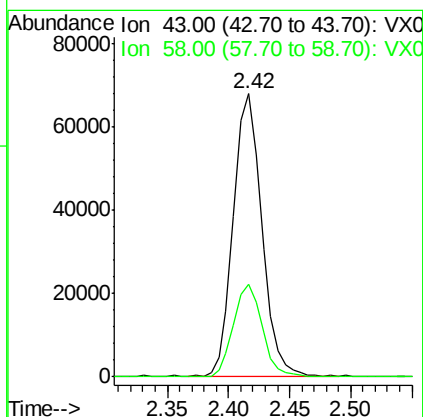
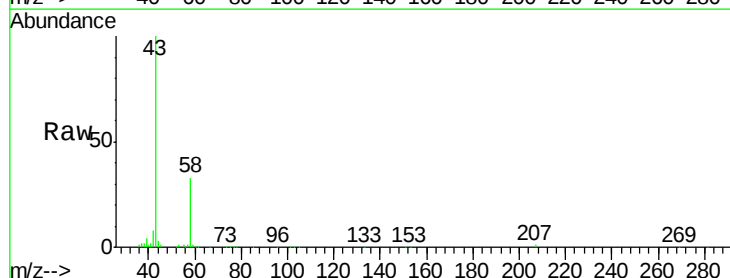
Acq: 05 Jun 2020 11:22

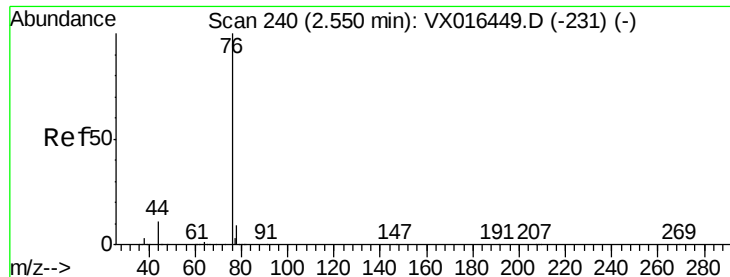
Tgt Ion: 43 Resp: 108621

Ion Ratio Lower Upper

43 100

58 32.5 26.1 39.1





#17

Carbon Disulfide

Concen: 16.54 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

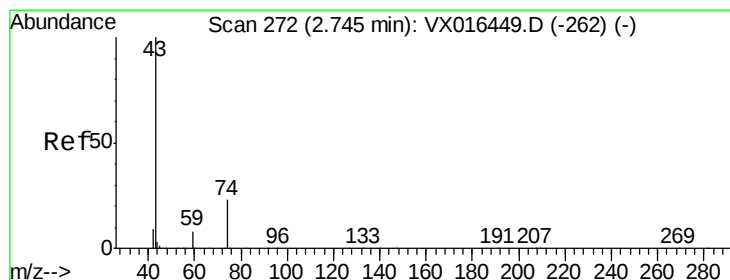
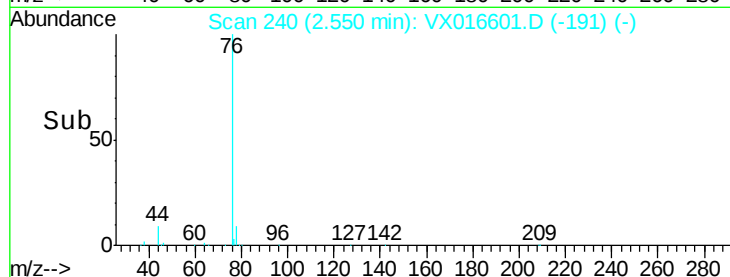
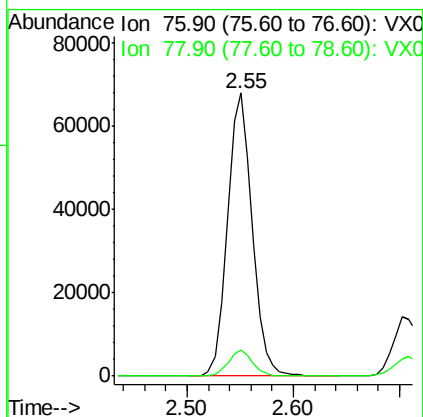
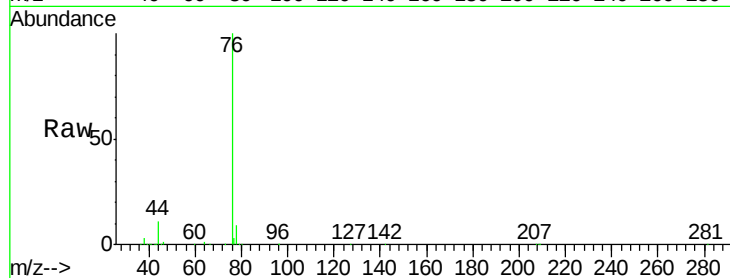
VX0605WBSD01

Tgt Ion: 76 Resp: 110338

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



#18

Methyl Acetate

Concen: 18.09 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX016601.D

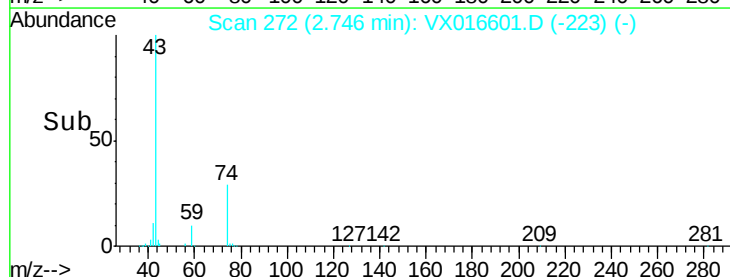
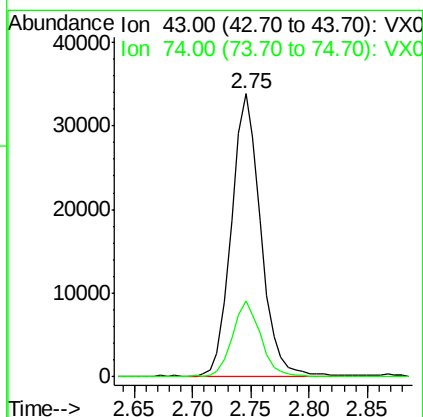
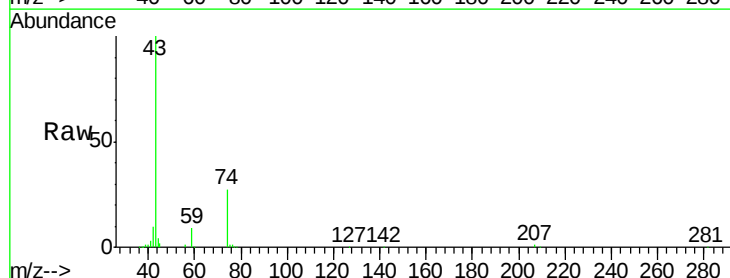
Acq: 05 Jun 2020 11:22

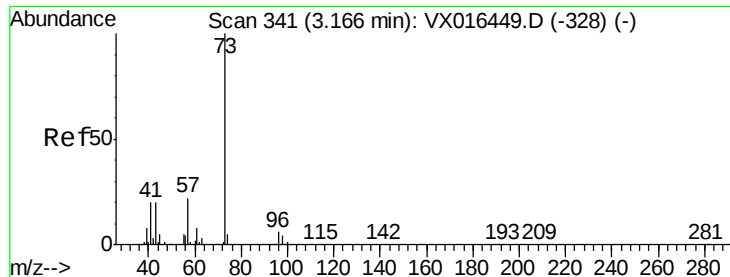
Tgt Ion: 43 Resp: 58909

Ion Ratio Lower Upper

43 100

74 26.3 19.7 29.5





#19

Methyl tert-butyl Ether

Concen: 18.71 ug/l

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

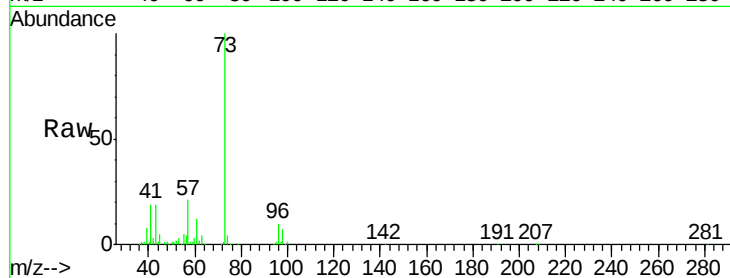
VX0605WBSD01

Tgt Ion: 73 Resp: 150877

Ion Ratio Lower Upper

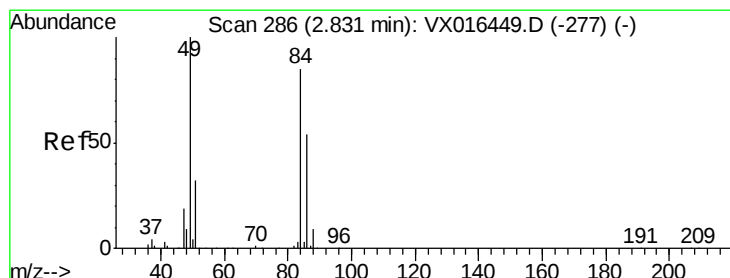
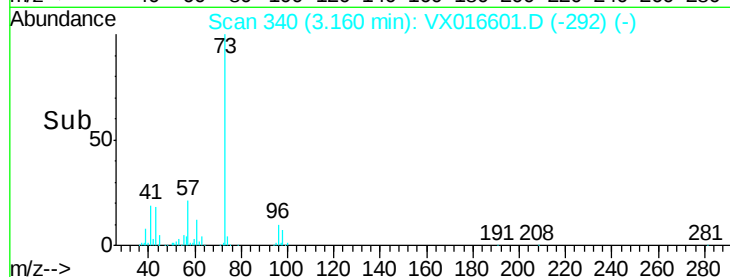
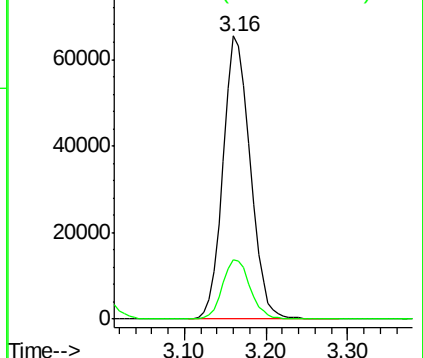
73 100

57 20.9 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 17.96 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Tgt Ion: 84 Resp: 47175

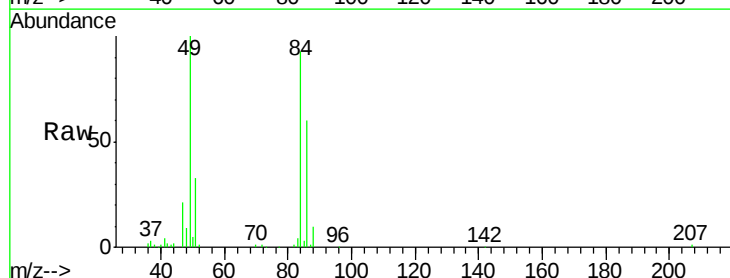
Ion Ratio Lower Upper

84 100

49 107.0 94.5 141.7

51 35.1 30.2 45.4

86 64.7 51.1 76.7

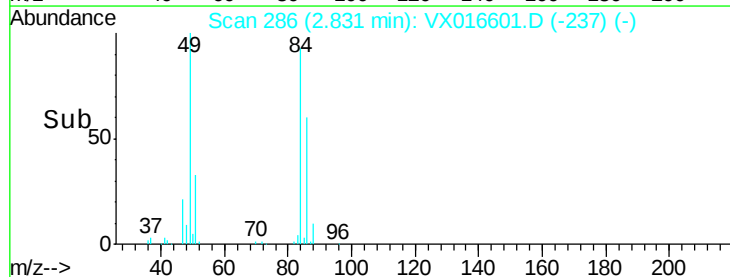
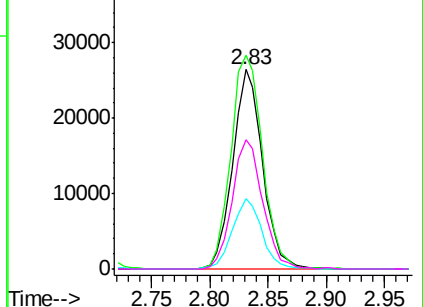


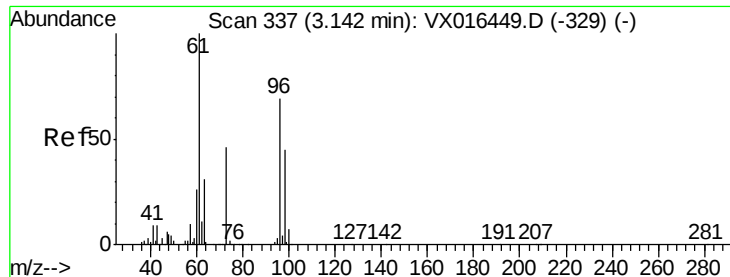
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 18.07 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

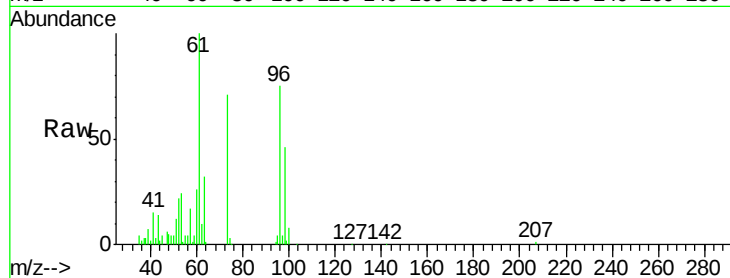
Tgt Ion: 96 Resp: 44882

Ion Ratio Lower Upper

96 100

61 133.1 115.3 172.9

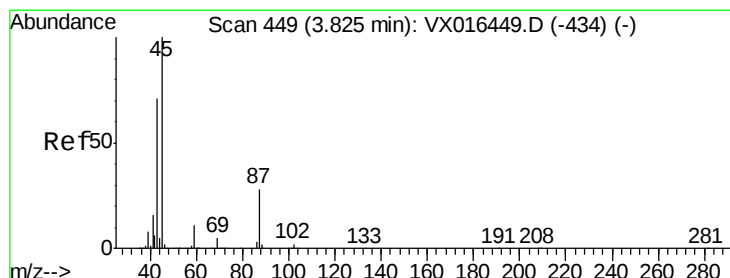
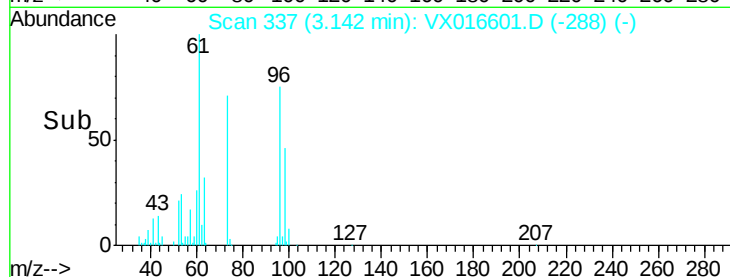
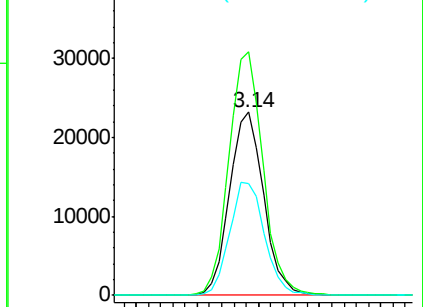
98 60.9 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.07 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Tgt Ion: 45 Resp: 135438

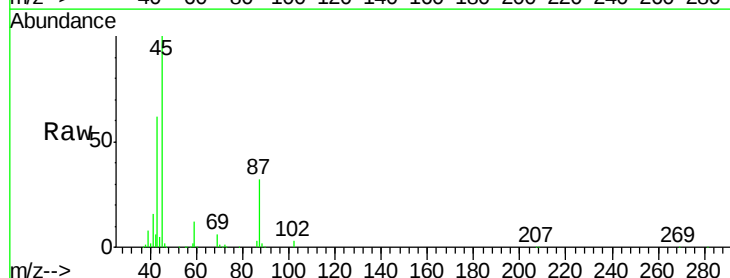
Ion Ratio Lower Upper

45 100

43 61.5 57.0 85.6

87 31.5 22.5 33.7

59 12.4 9.1 13.7

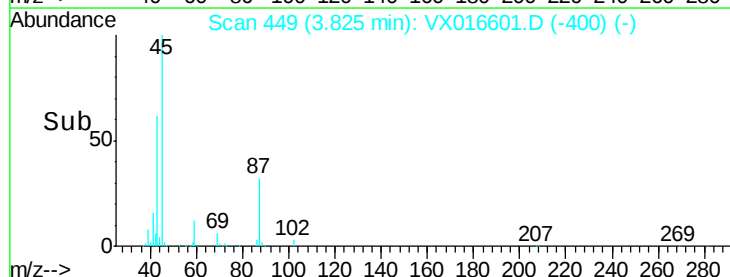
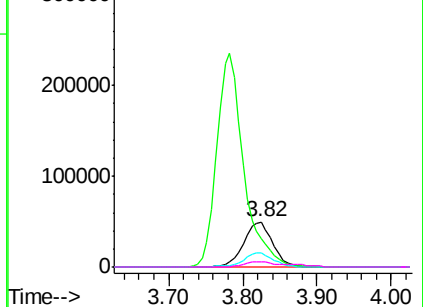


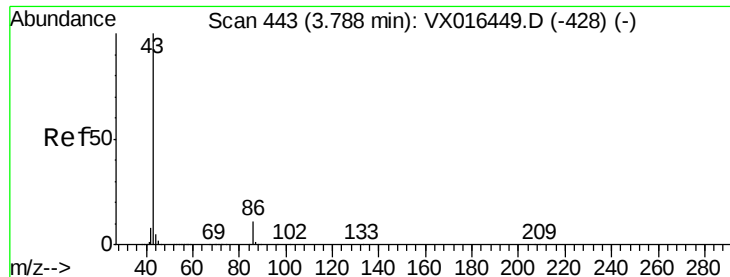
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 85.18 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

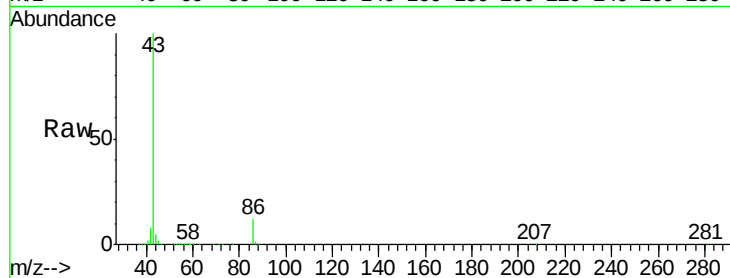
VX0605WBSD01

Tgt Ion: 43 Resp: 591558

Ion Ratio Lower Upper

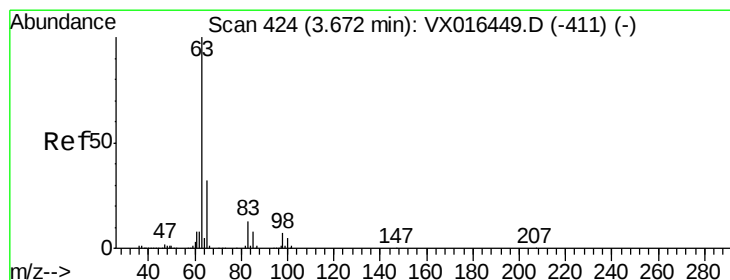
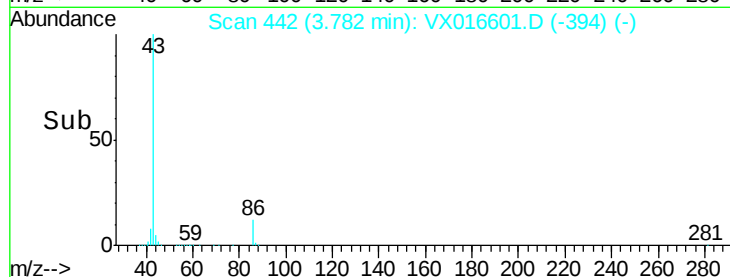
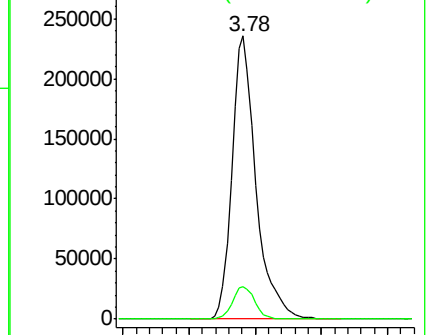
43 100

86 11.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.14 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

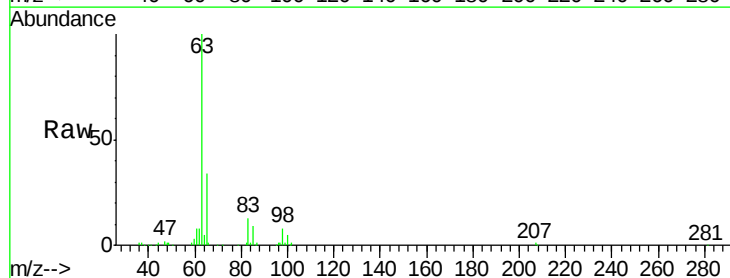
Tgt Ion: 63 Resp: 81232

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

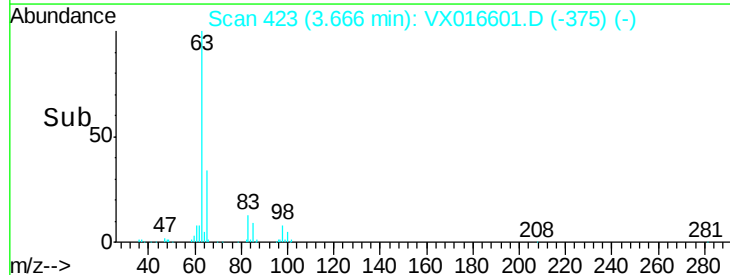
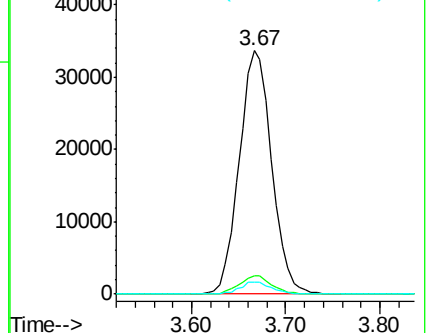
100 4.8 2.4 7.1

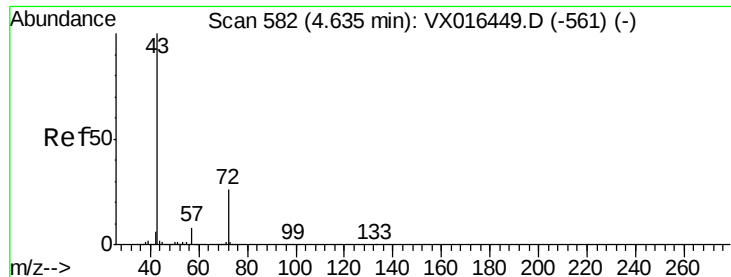


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

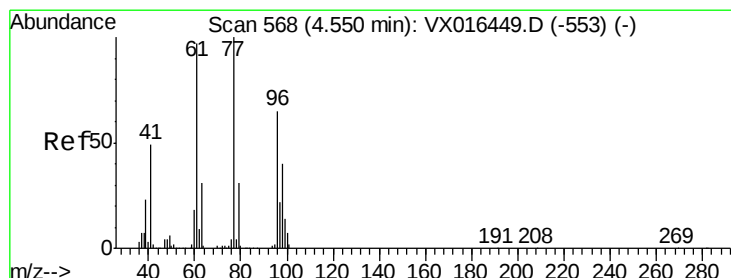
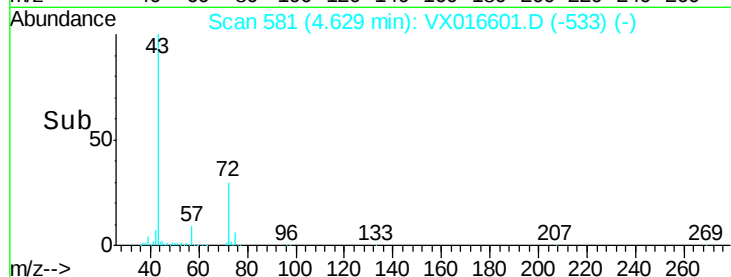
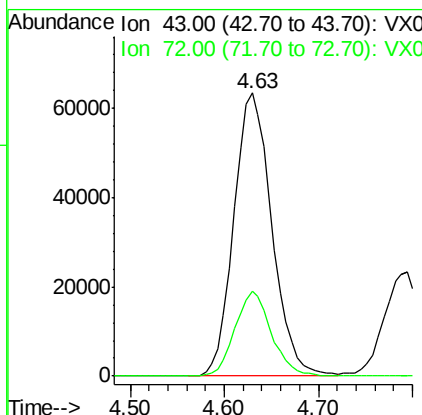
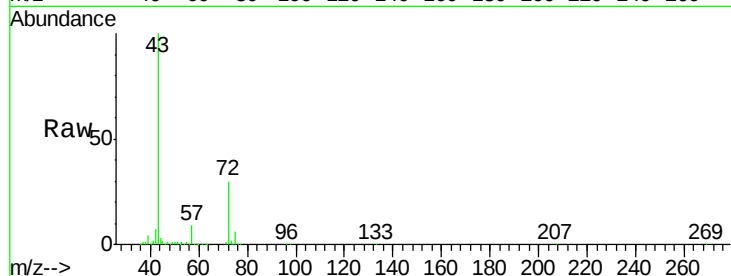




#25  
 2-Butanone  
 Concen: 82.80 ug/l  
 RT: 4.63 min Scan# 581  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

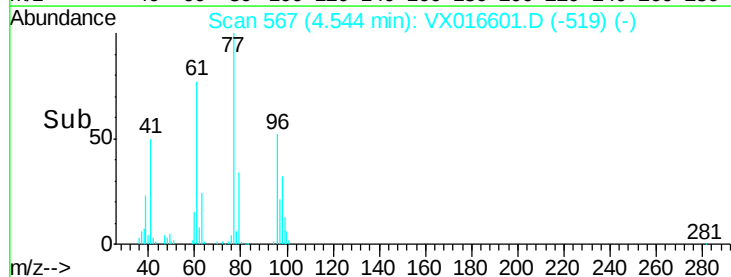
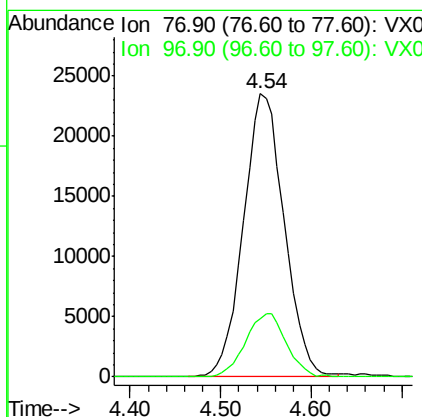
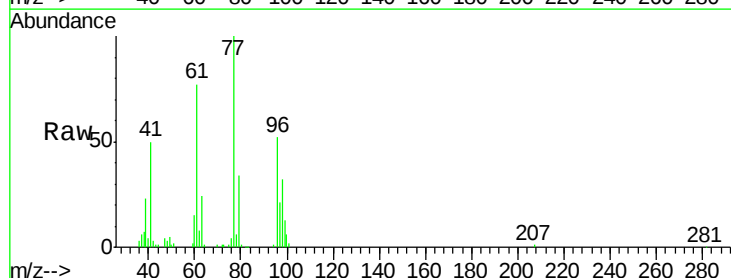
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

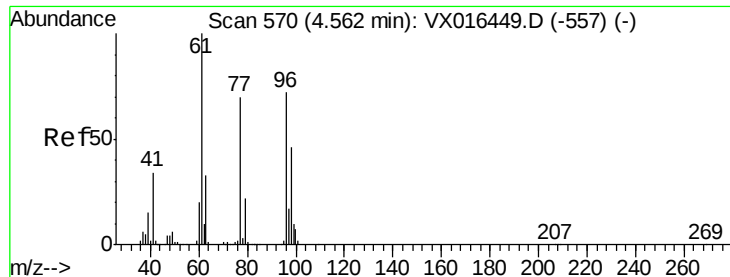
Tgt Ion: 43 Resp: 178171  
 Ion Ratio Lower Upper  
 43 100  
 72 29.7 21.0 31.6



#26  
 2,2-Dichloropropane  
 Concen: 19.99 ug/l  
 RT: 4.54 min Scan# 567  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion: 77 Resp: 73255  
 Ion Ratio Lower Upper  
 77 100  
 97 22.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 18.18 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

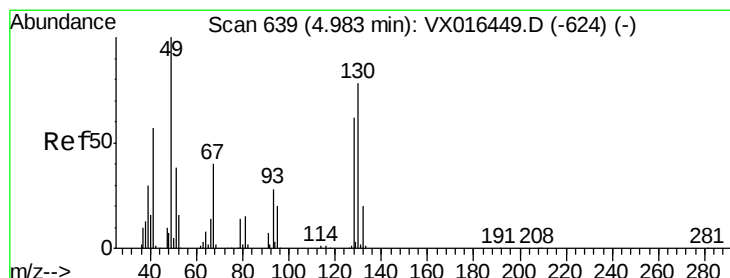
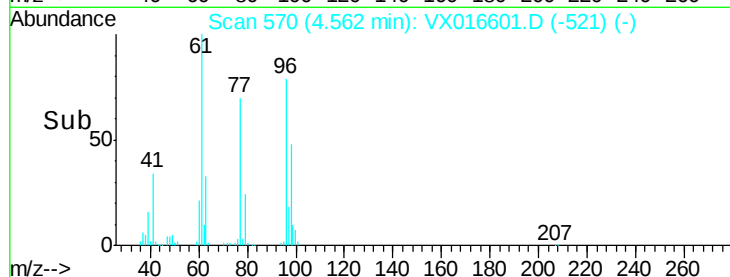
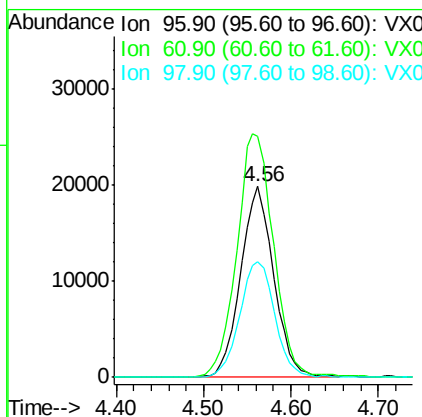
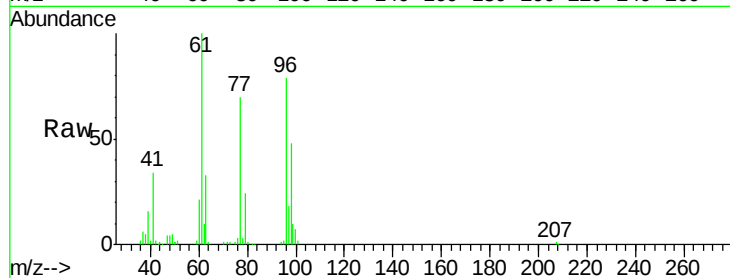
Tgt Ion: 96 Resp: 52251

Ion Ratio Lower Upper

96 100

61 142.0 0.0 284.6

98 64.1 0.0 127.2



#28

Bromochloromethane

Concen: 17.36 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

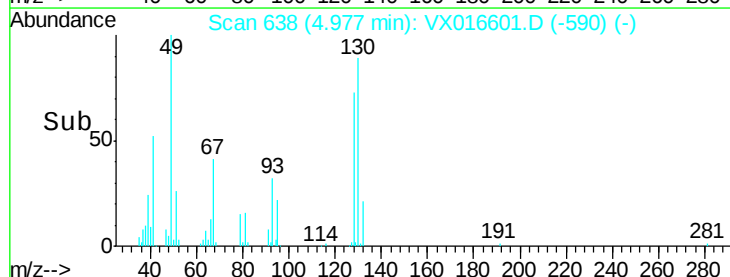
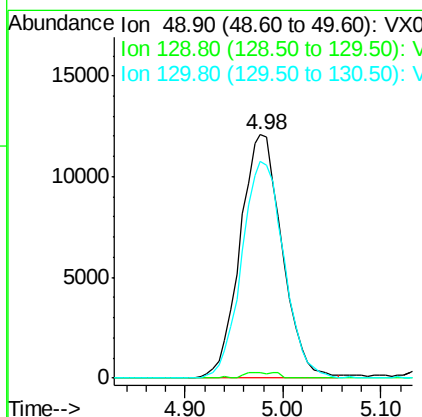
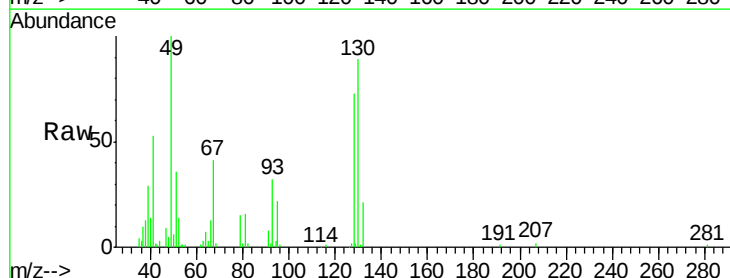
Tgt Ion: 49 Resp: 36121

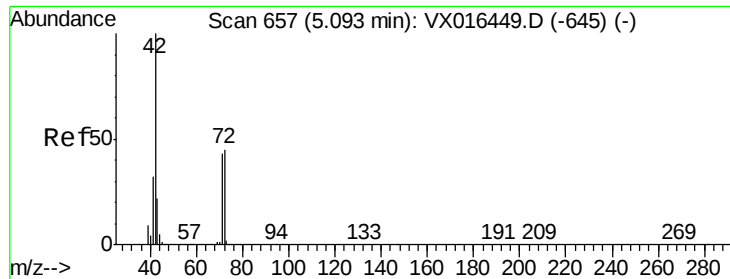
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

130 89.5 63.0 94.4





#29

Tetrahydrofuran

Concen: 82.91 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

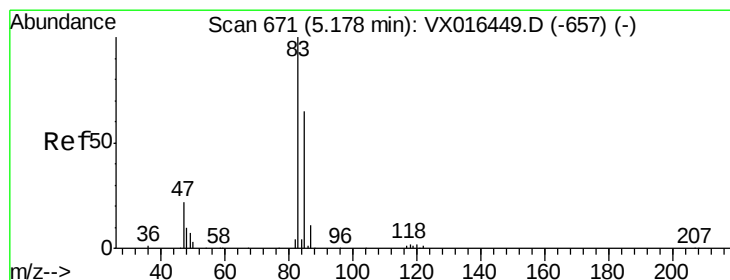
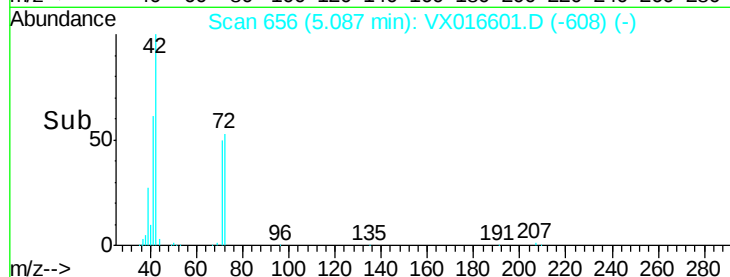
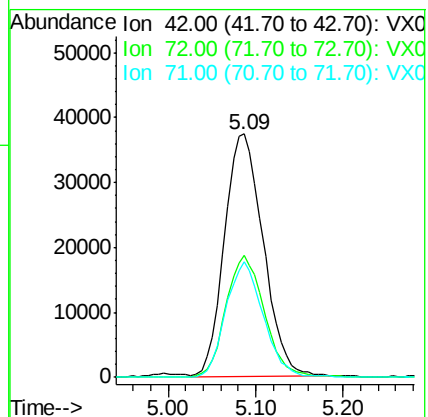
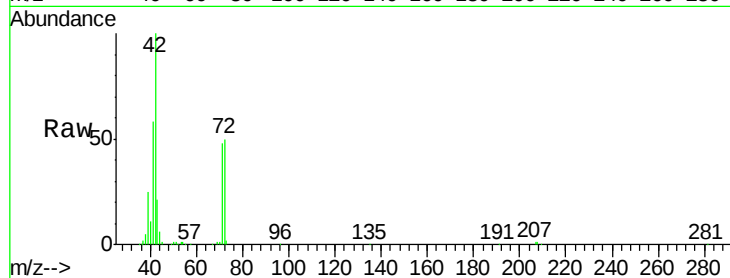
Tgt Ion: 42 Resp: 115257

Ion Ratio Lower Upper

42 100

72 50.1 37.0 55.4

71 46.3 34.1 51.1



#30

Chloroform

Concen: 18.85 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016601.D

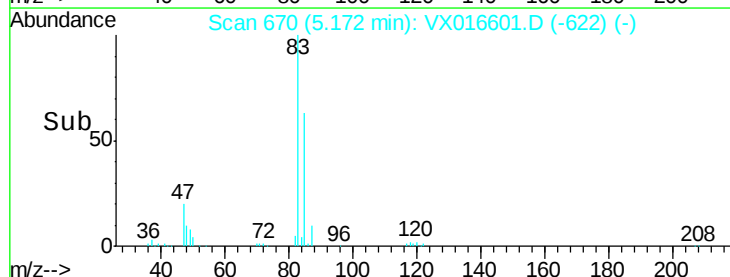
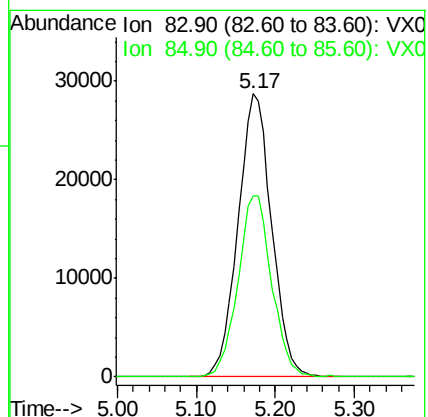
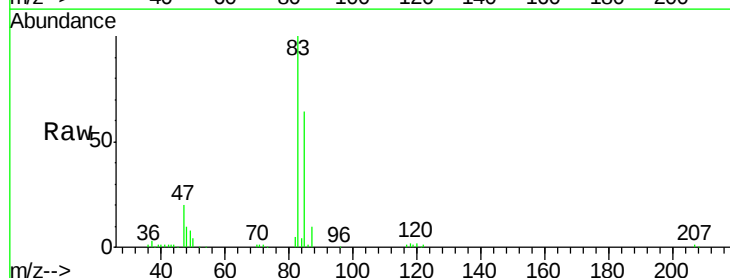
Acq: 05 Jun 2020 11:22

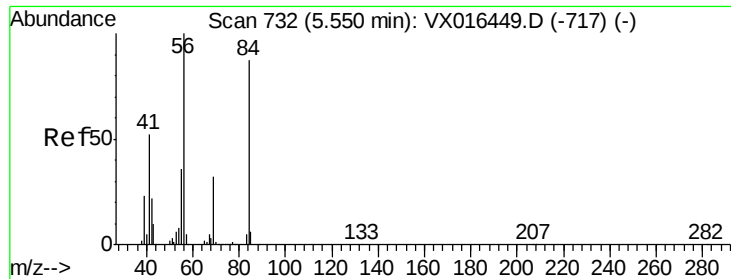
Tgt Ion: 83 Resp: 85040

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

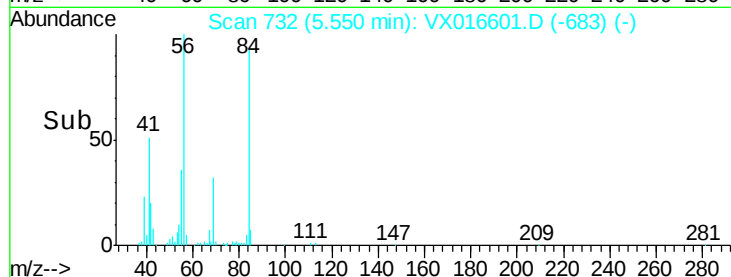
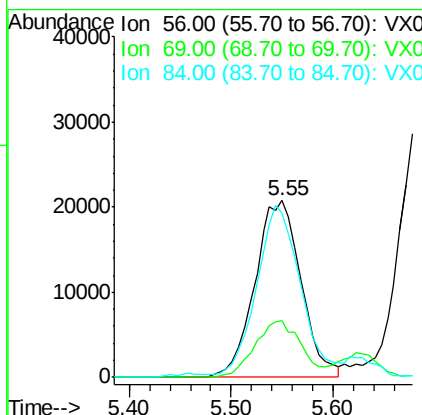
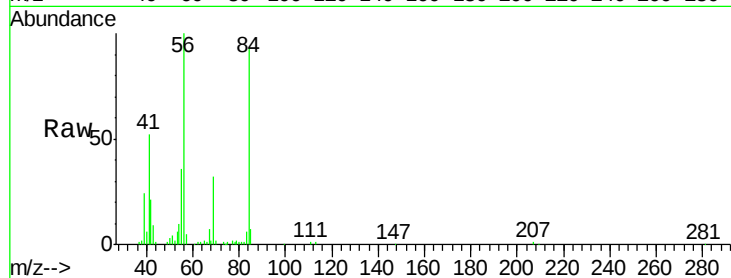




#31  
Cyclohexane  
Concen: 16.16 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

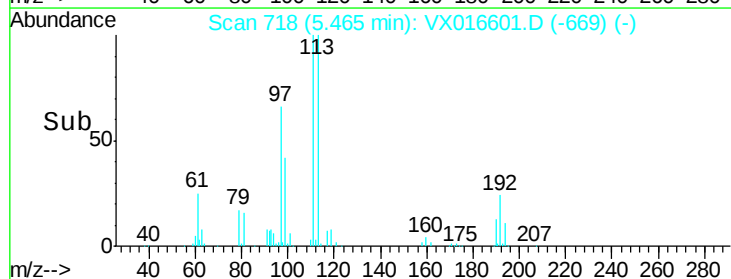
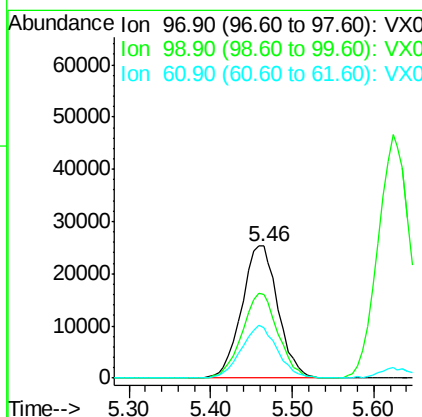
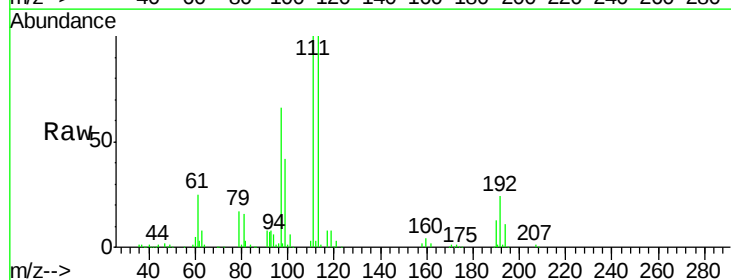
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

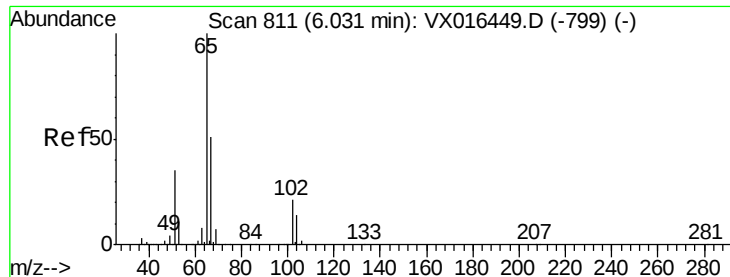
Tgt Ion: 56 Resp: 65097  
Ion Ratio Lower Upper  
56 100  
69 32.2 25.7 38.5  
84 91.2 70.0 105.0



#32  
1,1,1-Trichloroethane  
Concen: 19.14 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion: 97 Resp: 78188  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.4 77.2  
61 39.5 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 48.28 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

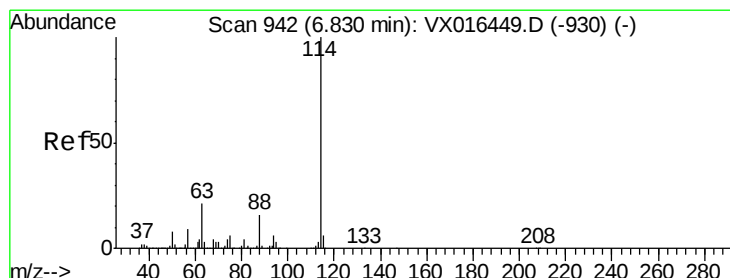
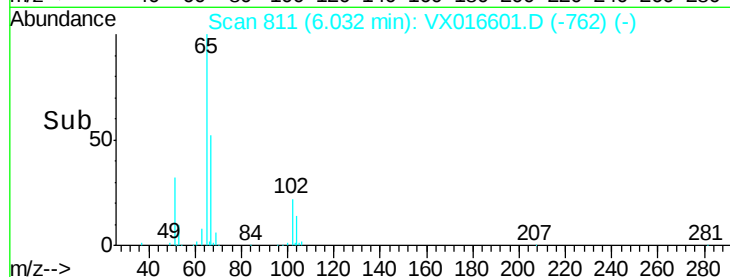
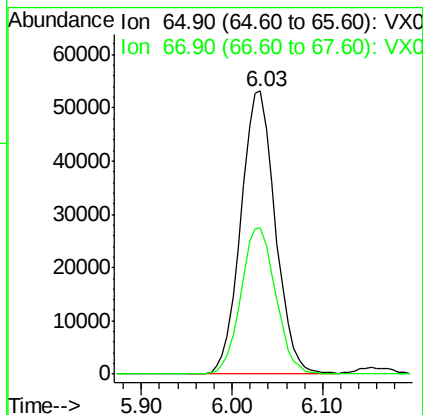
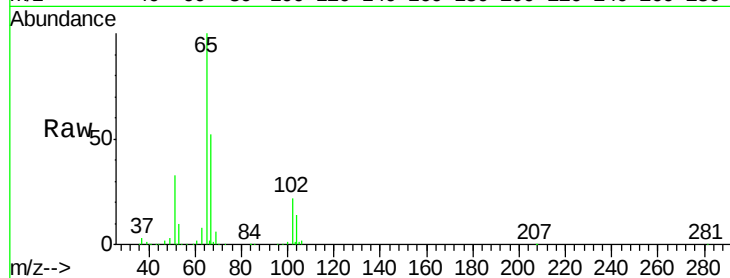
VX0605WBSD01

Tgt Ion: 65 Resp: 139929

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

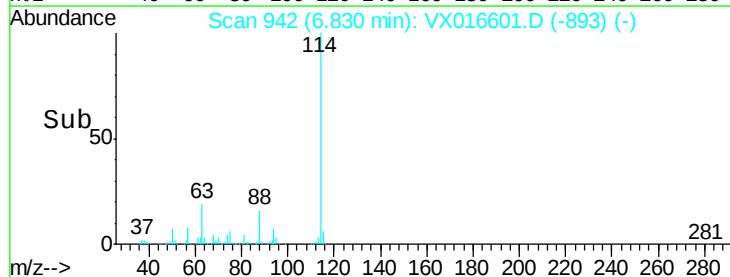
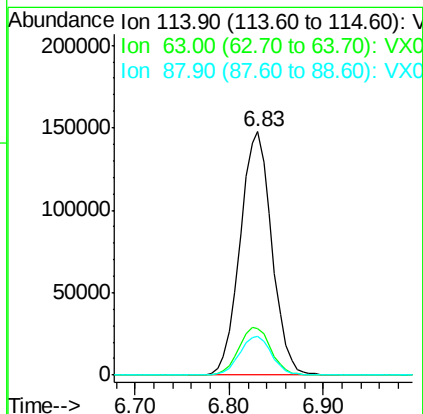
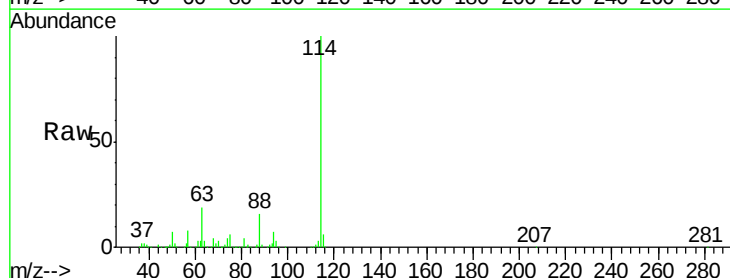
Tgt Ion: 114 Resp: 346826

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.7 0.0 32.8

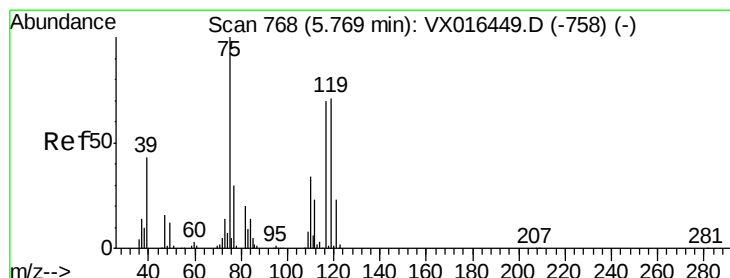
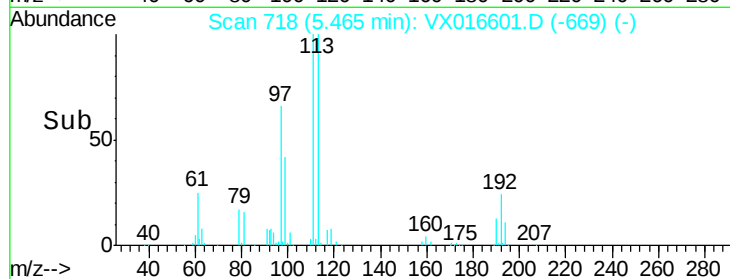
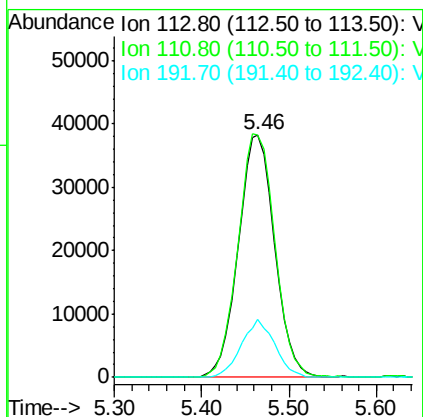
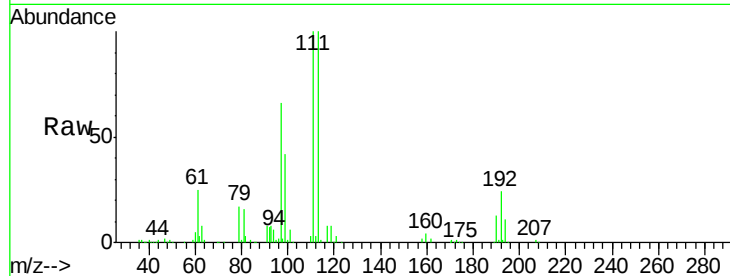




#35  
 Dibromofluoromethane  
 Concen: 51.64 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

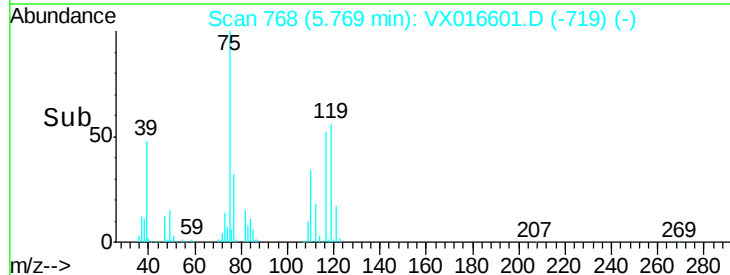
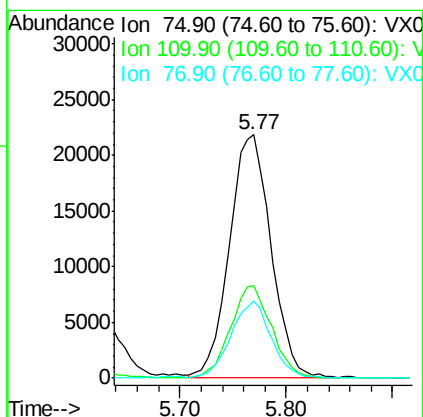
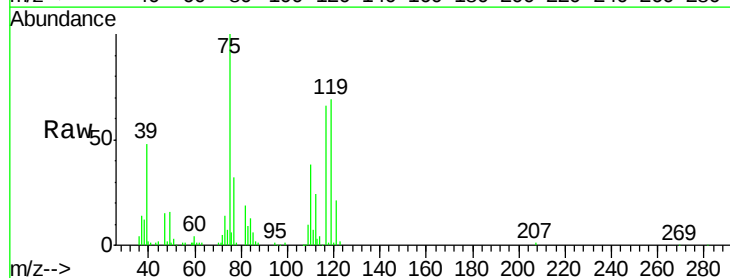
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0605WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 83.0  | 124.6 |
| 192     | 22.3  | 17.7  | 26.5  |



#36  
 1,1-Dichloropropene  
 Concen: 18.05 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.6  | 17.4  | 52.3  |
| 77      | 31.1  | 24.2  | 36.4  |

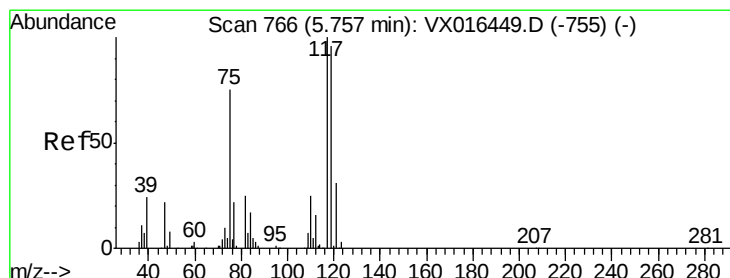
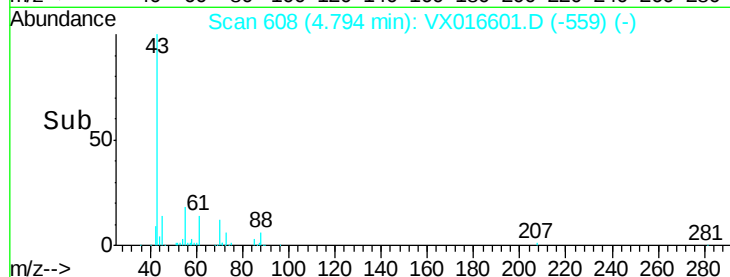
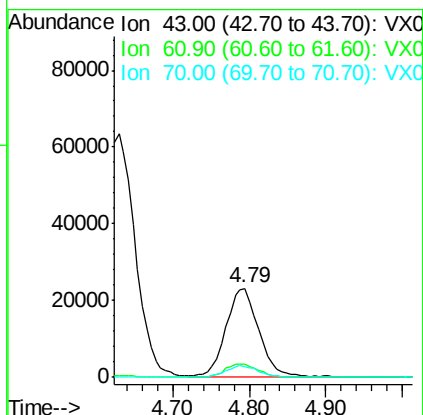
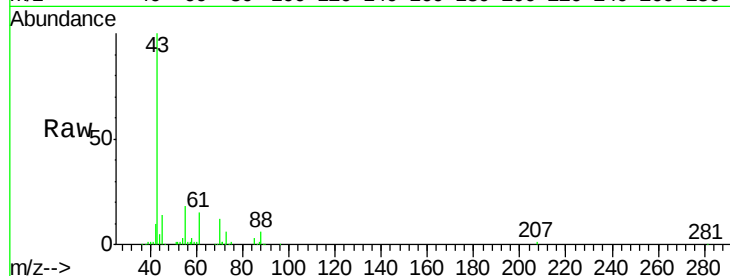




#37  
 Ethyl Acetate  
 Concen: 17.19 ug/l  
 RT: 4.79 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

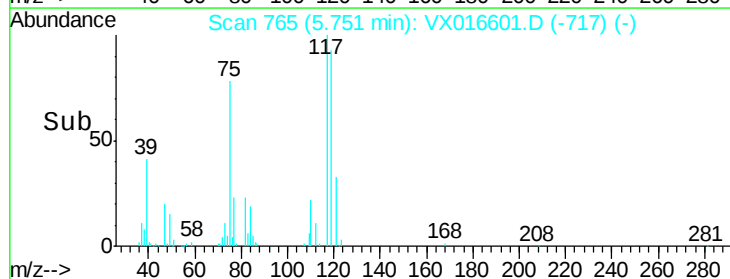
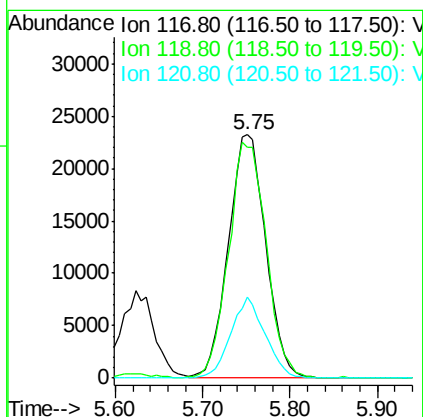
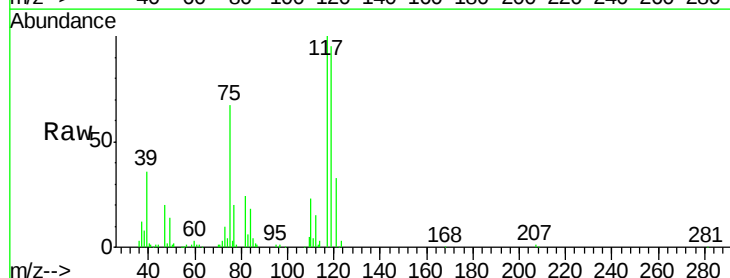
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

Tgt Ion: 43 Resp: 67761  
 Ion Ratio Lower Upper  
 43 100  
 61 15.5 11.3 16.9  
 70 13.1 9.3 13.9



#38  
 Carbon Tetrachloride  
 Concen: 19.94 ug/l  
 RT: 5.75 min Scan# 765  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion: 117 Resp: 68820  
 Ion Ratio Lower Upper  
 117 100  
 119 94.5 76.3 114.5  
 121 33.1 24.6 37.0

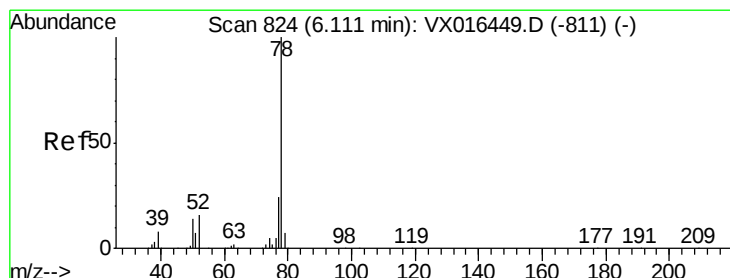
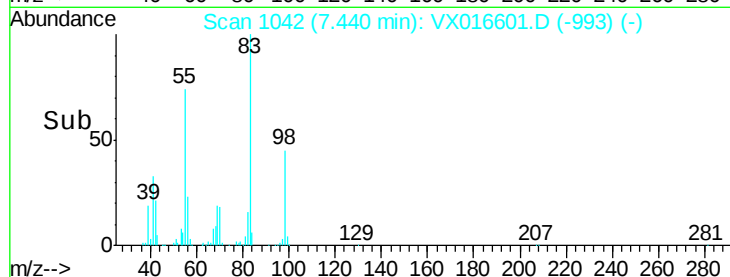
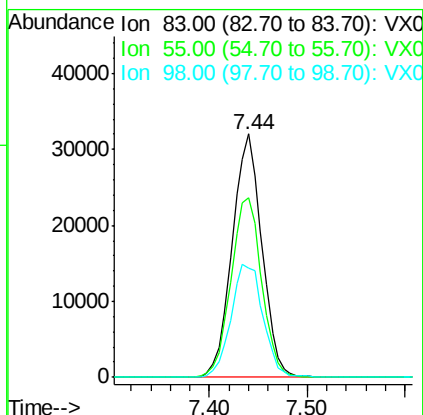
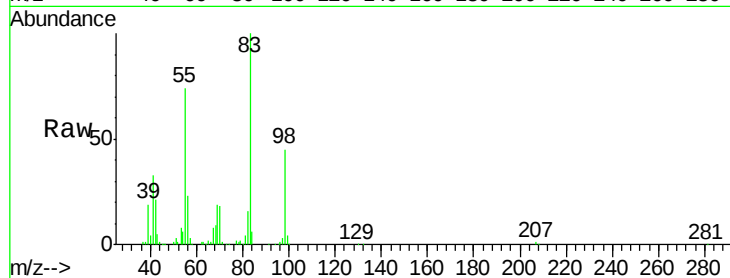




#39  
Methylcyclohexane  
Concen: 18.92 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

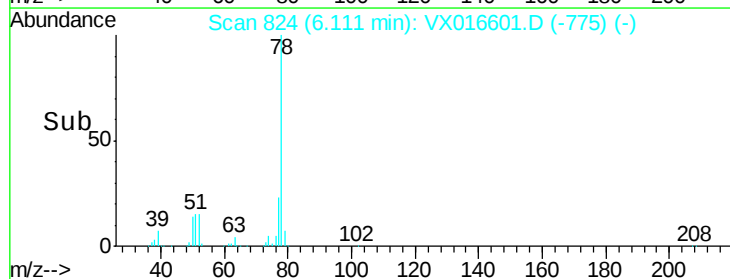
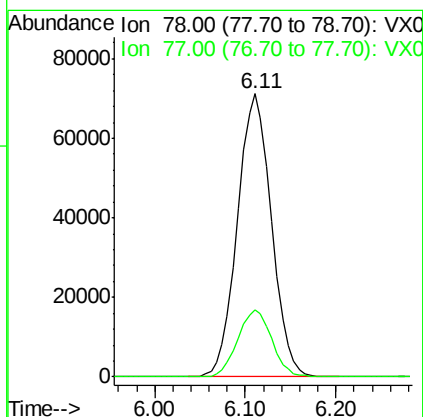
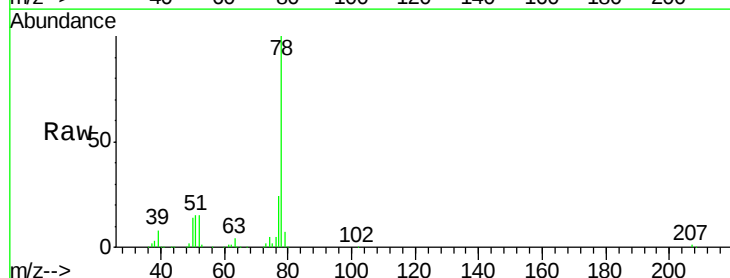
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

Tgt Ion: 83 Resp: 67490  
Ion Ratio Lower Upper  
83 100  
55 73.9 61.7 92.5  
98 44.7 38.7 58.1



#40  
Benzene  
Concen: 18.95 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion: 78 Resp: 185303  
Ion Ratio Lower Upper  
78 100  
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 17.22 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

Tgt Ion: 41 Resp: 37296

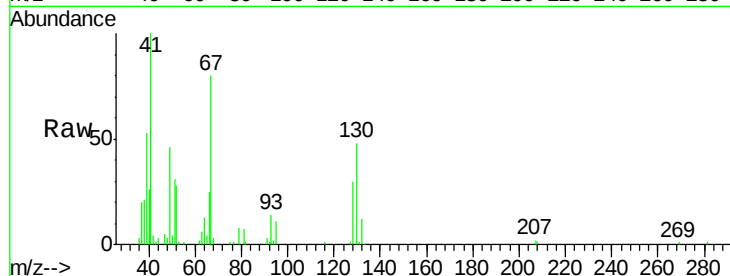
Ion Ratio Lower Upper

41 100

39 55.4 43.0 64.4

67 77.7 58.9 88.3

52 31.1 23.1 34.7

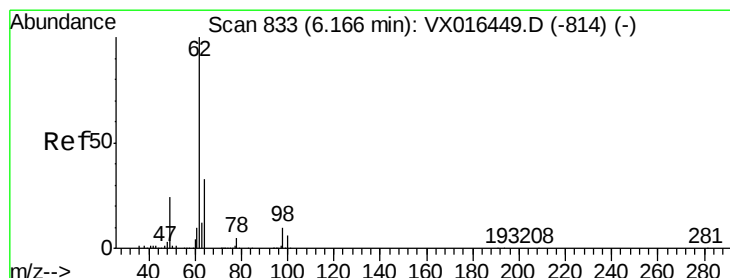
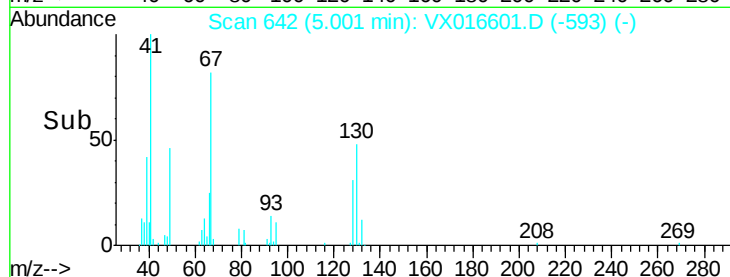
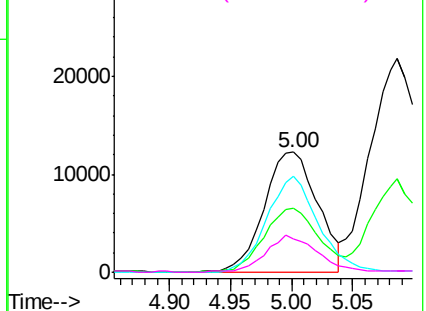


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.68 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016601.D

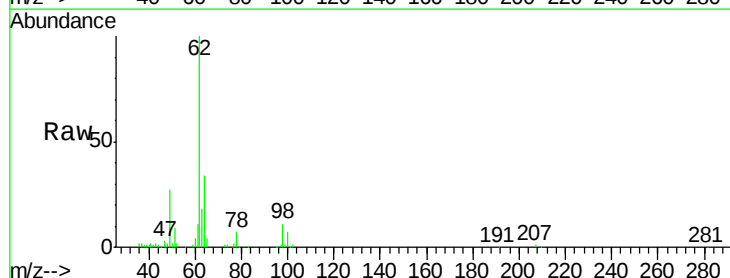
Acq: 05 Jun 2020 11:22

Tgt Ion: 62 Resp: 68439

Ion Ratio Lower Upper

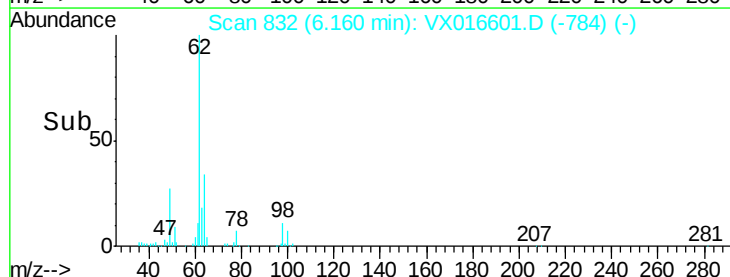
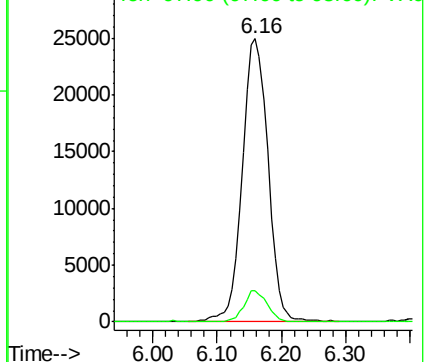
62 100

98 9.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

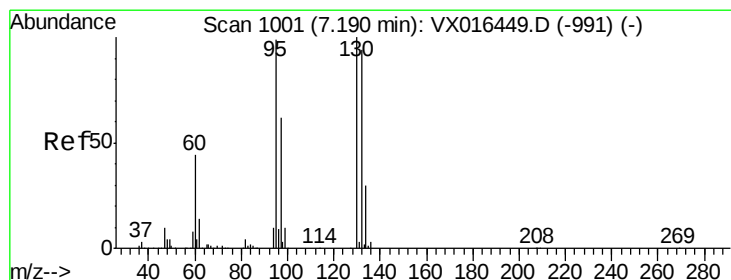
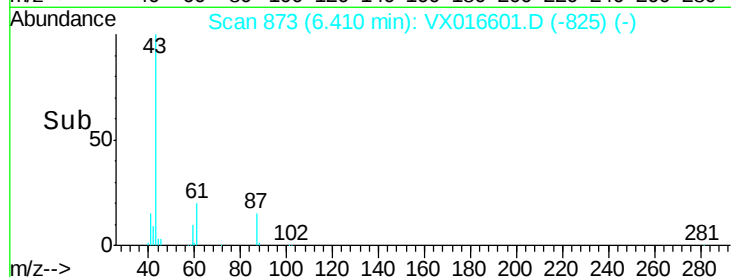
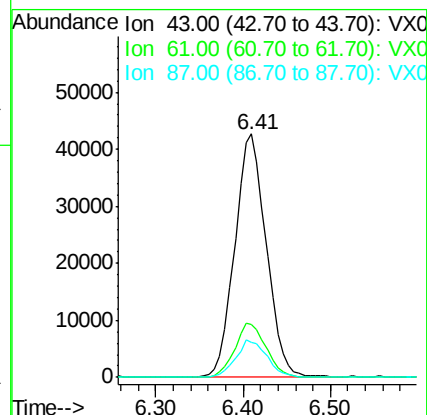
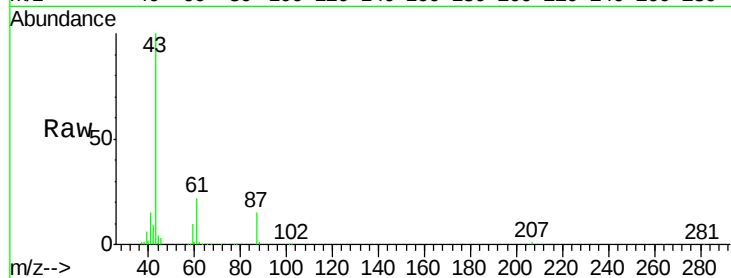




#43  
Isopropyl Acetate  
Concen: 17.25 ug/l  
RT: 6.41 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

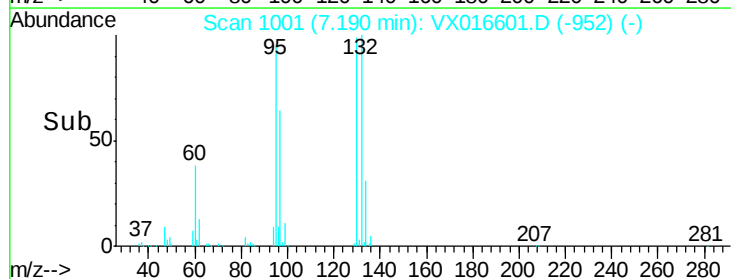
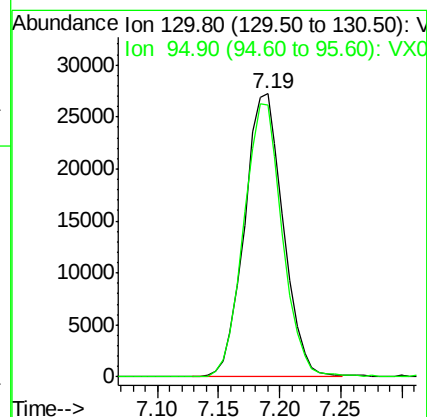
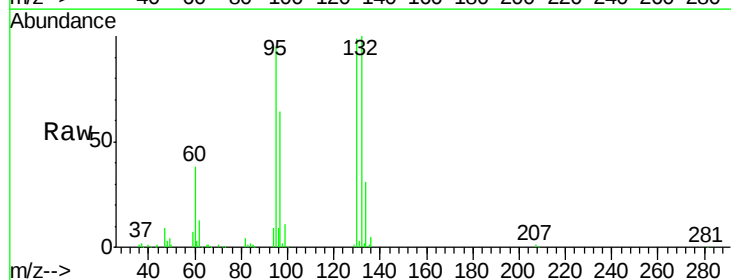
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

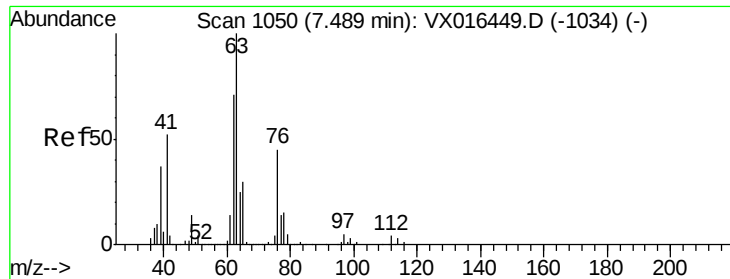
Tgt Ion: 43 Resp: 106105  
Ion Ratio Lower Upper  
43 100  
61 22.3 16.8 25.2  
87 15.2 11.2 16.8



#44  
Trichloroethene  
Concen: 19.34 ug/l  
RT: 7.19 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion: 130 Resp: 60001  
Ion Ratio Lower Upper  
130 100  
95 96.0 0.0 198.2

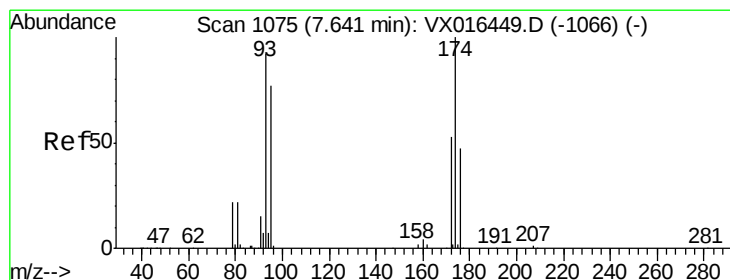
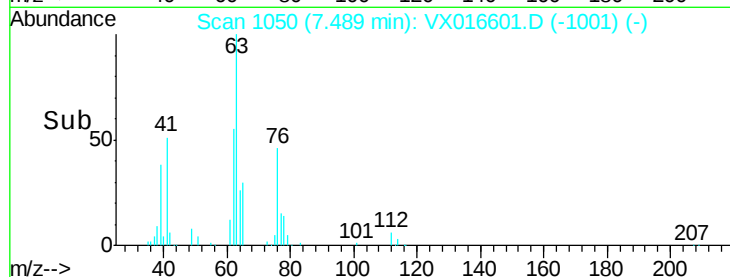
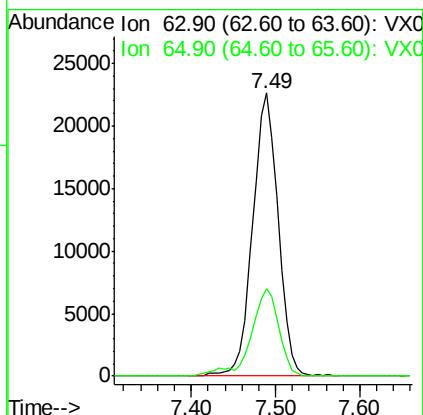
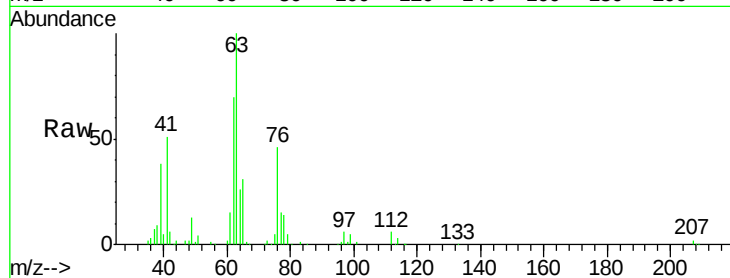




#45  
 1,2-Dichloropropane  
 Concen: 18.69 ug/l  
 RT: 7.49 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

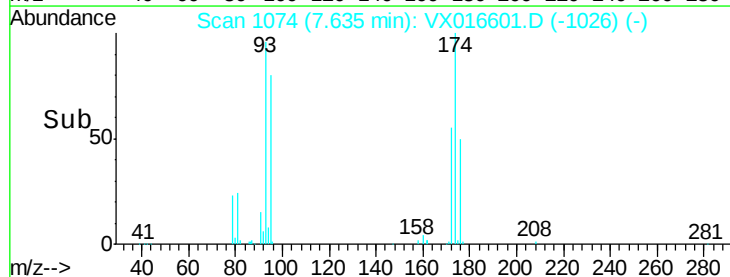
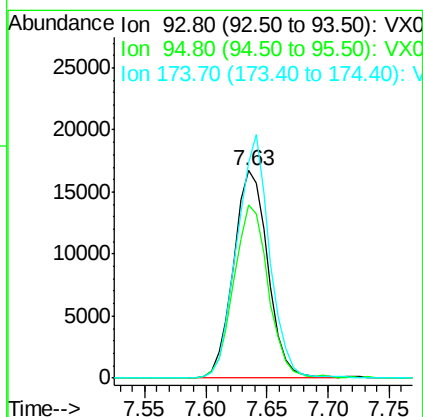
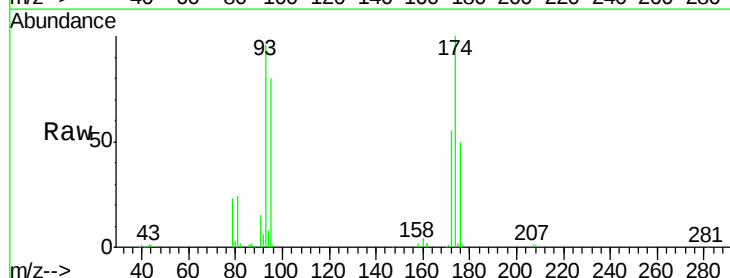
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

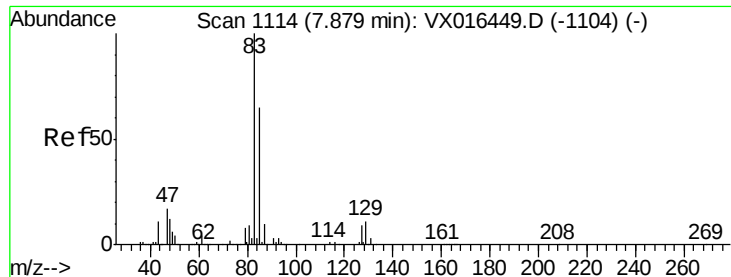
Tgt Ion: 63 Resp: 46518  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.2 36.2



#46  
 Dibromomethane  
 Concen: 19.46 ug/l  
 RT: 7.63 min Scan# 1074  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion: 93 Resp: 32534  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 66.6 100.0  
 174 111.8 86.2 129.4





#47

Bromodichloromethane

Concen: 19.84 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

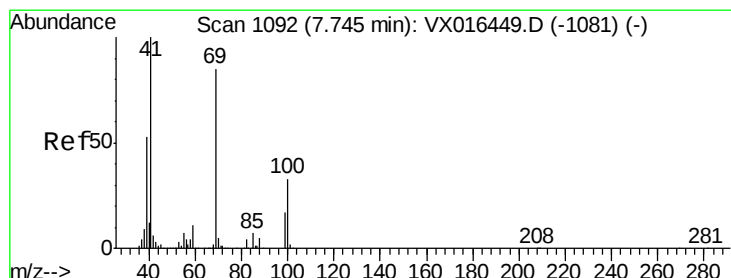
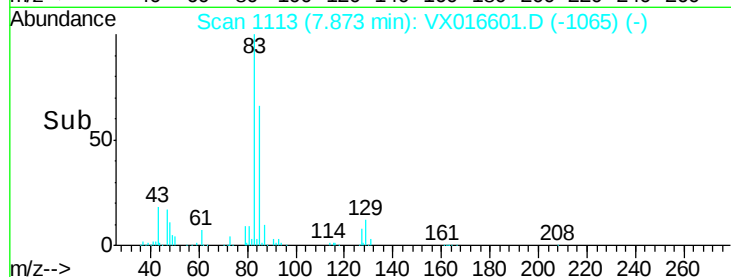
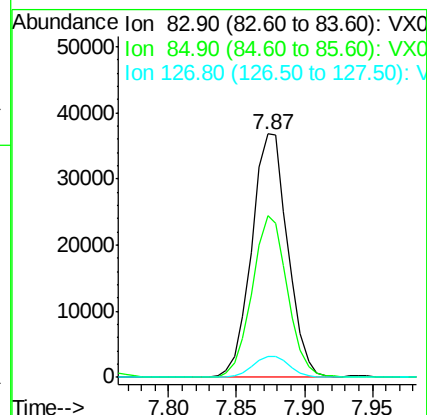
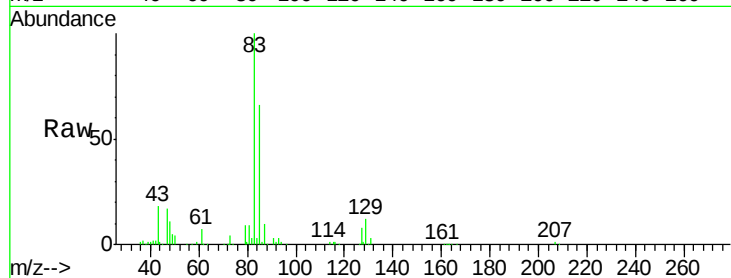
Tgt Ion: 83 Resp: 68681

Ion Ratio Lower Upper

83 100

85 66.2 52.0 78.0

127 8.5 7.4 11.0



#48

Methyl methacrylate

Concen: 17.48 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

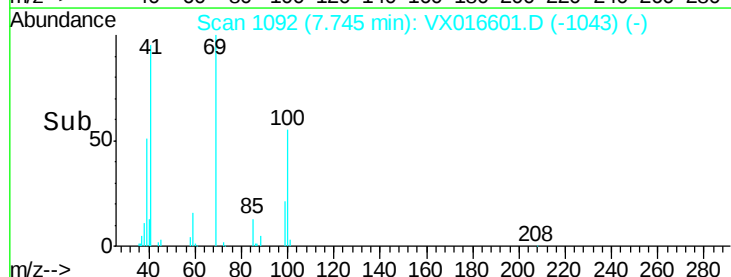
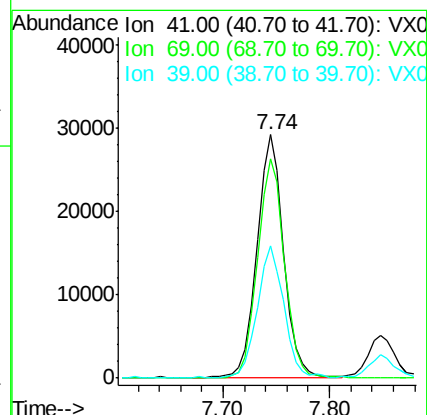
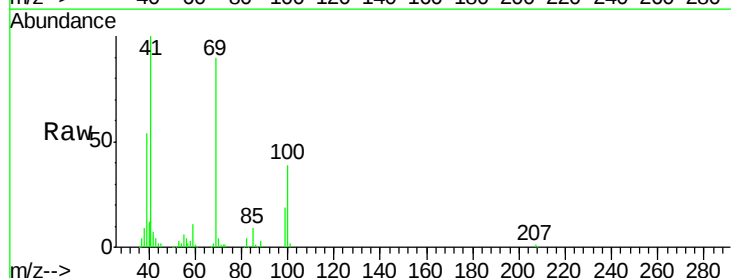
Tgt Ion: 41 Resp: 51464

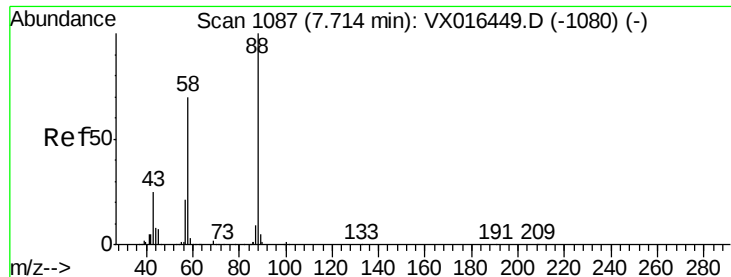
Ion Ratio Lower Upper

41 100

69 90.9 68.6 102.8

39 53.8 42.4 63.6

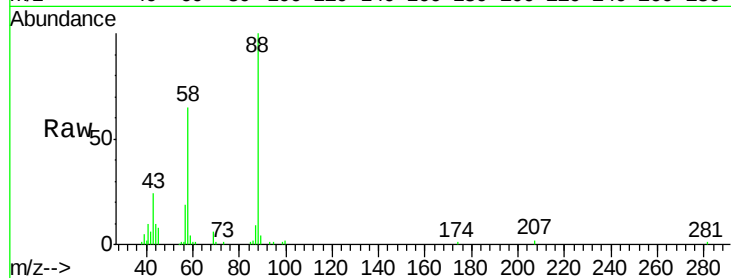




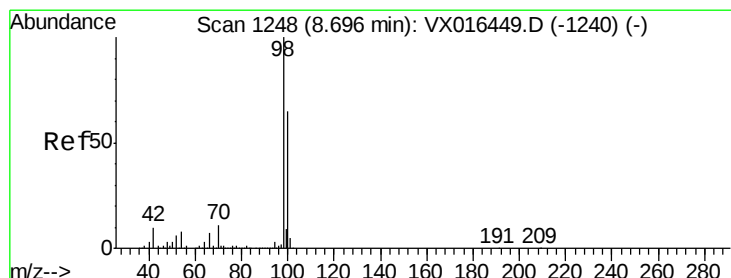
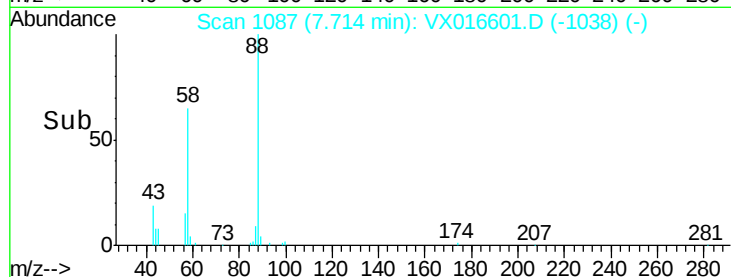
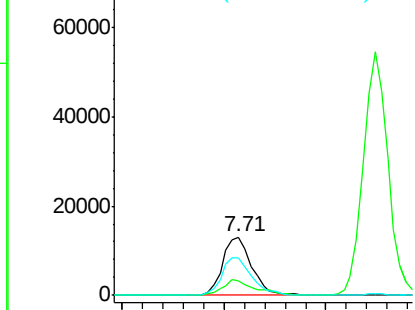
#49  
 1,4-Dioxane  
 Concen: 371.90 ug/l  
 RT: 7.71 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0605WBSD01

Tgt Ion: 88 Resp: 25626  
 Ion Ratio Lower Upper  
 88 100  
 43 29.3 24.2 36.4  
 58 68.0 56.5 84.7

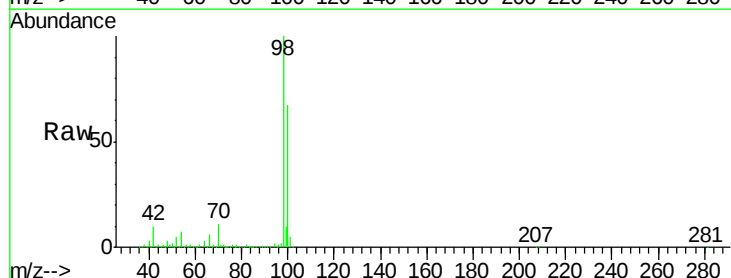


Abundance Ion 88.00 (87.70 to 88.70): VX0  
 Ion 43.00 (42.70 to 43.70): VX0  
 Ion 58.00 (57.70 to 58.70): VX0

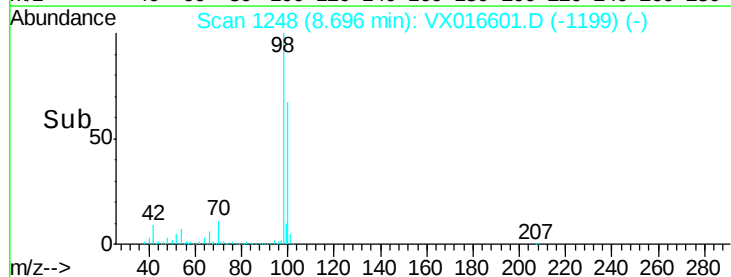
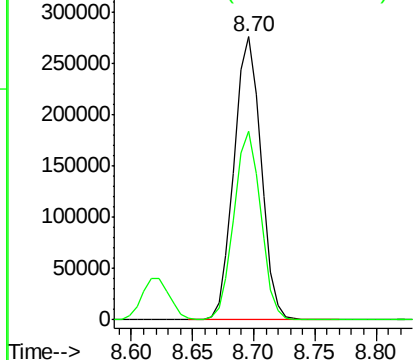


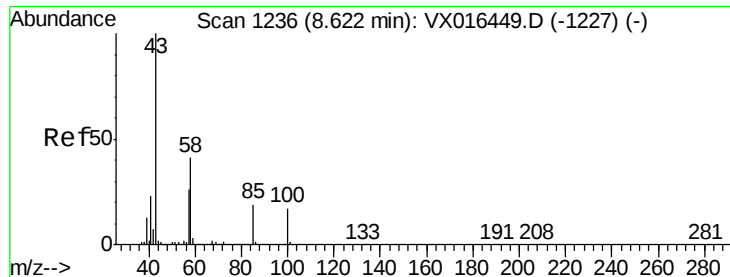
#50  
 Toluene-d8  
 Concen: 50.87 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion: 98 Resp: 422850  
 Ion Ratio Lower Upper  
 98 100  
 100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): VX0

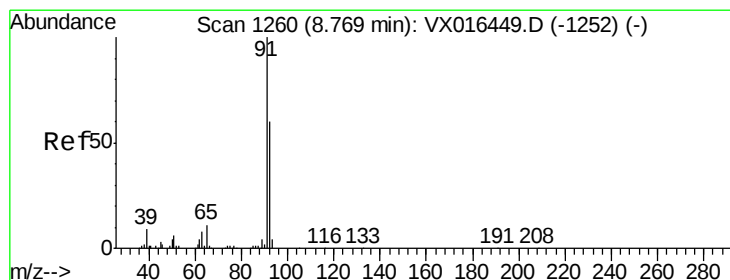
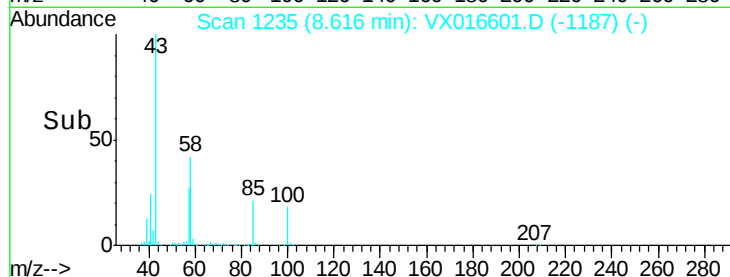
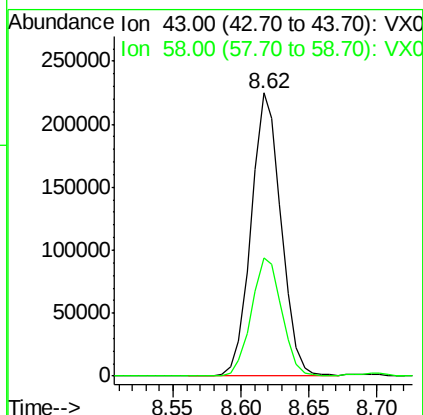
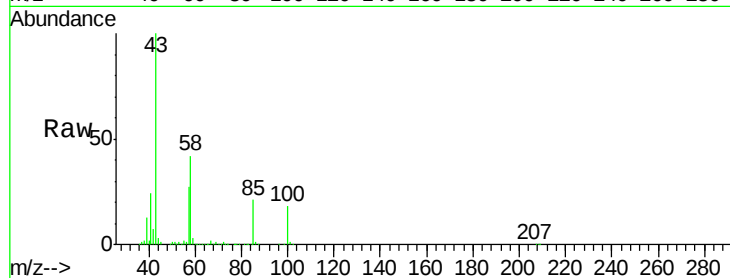




#51  
 4-Methyl-2-Pentanone  
 Concen: 90.53 ug/l  
 RT: 8.62 min Scan# 1235  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

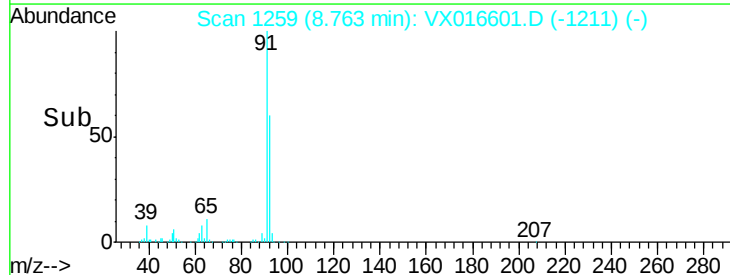
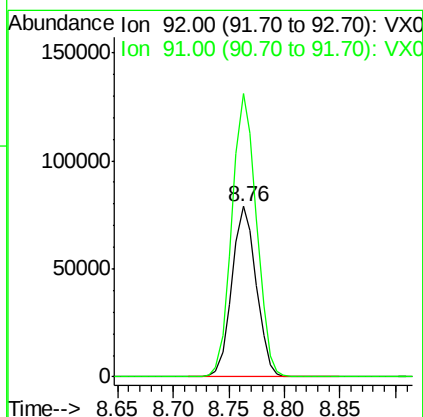
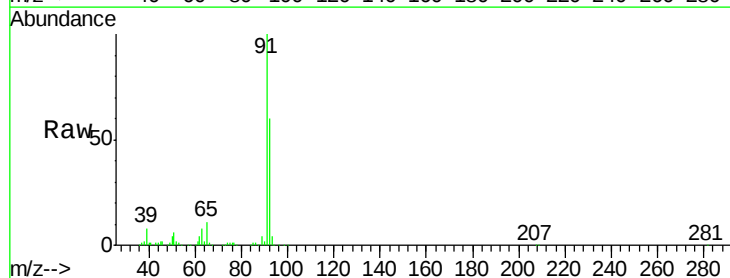
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

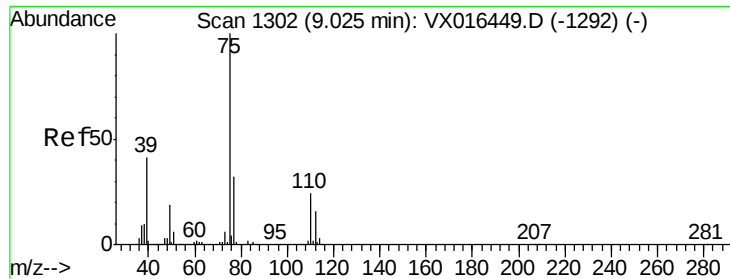
Tgt Ion: 43 Resp: 346642  
 Ion Ratio Lower Upper  
 43 100  
 58 42.5 33.0 49.6



#52  
 Toluene  
 Concen: 19.45 ug/l  
 RT: 8.76 min Scan# 1259  
 Delta R.T. -0.01 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion: 92 Resp: 119927  
 Ion Ratio Lower Upper  
 92 100  
 91 167.1 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

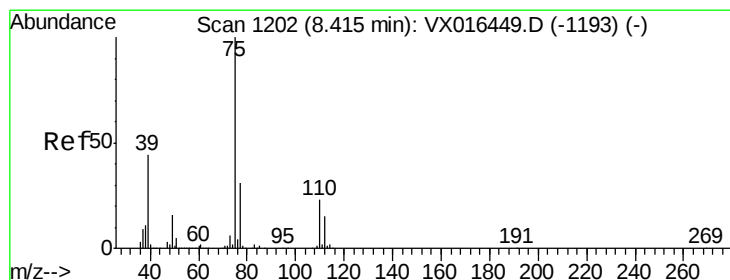
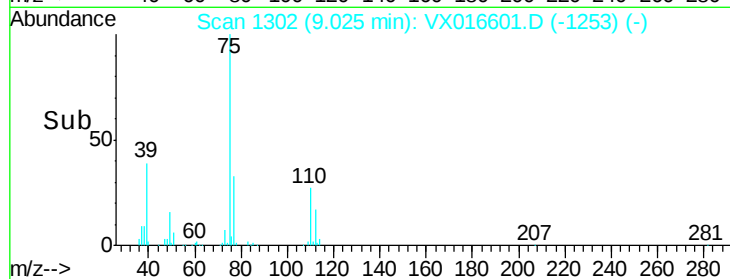
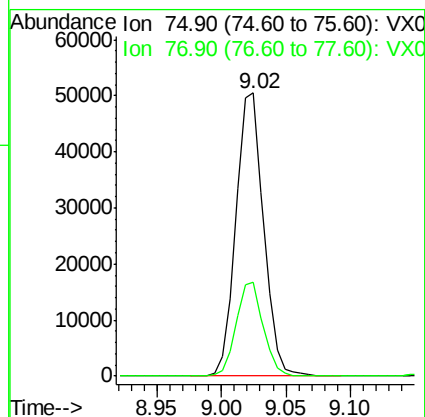
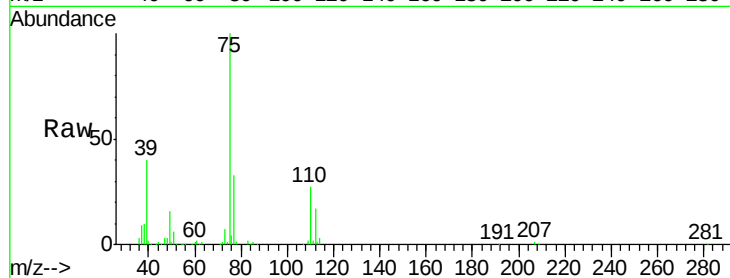
VX0605WBSD01

Tgt Ion: 75 Resp: 75632

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.45 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

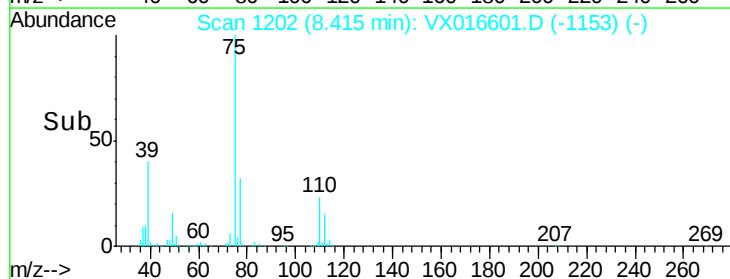
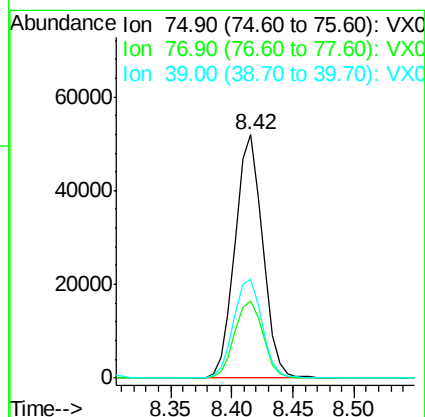
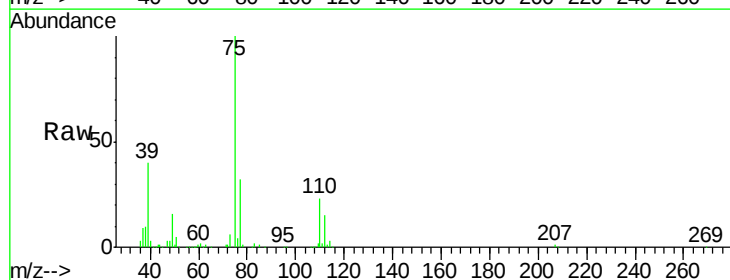
Tgt Ion: 75 Resp: 81038

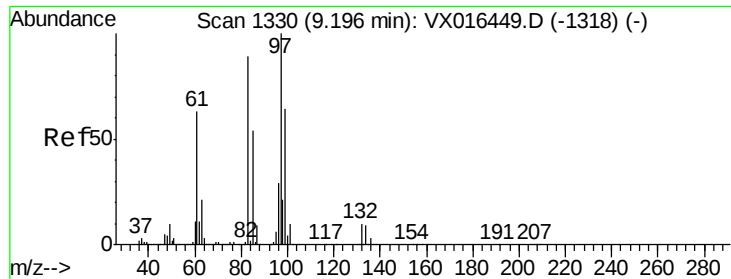
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 40.3 35.3 52.9

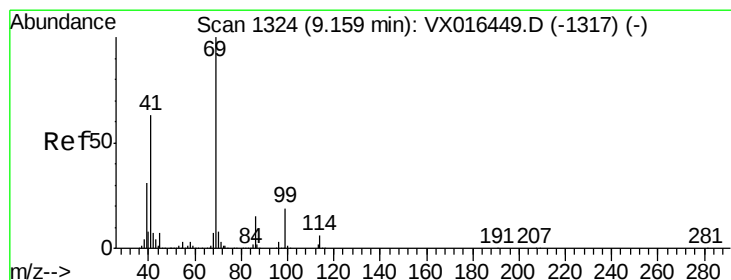
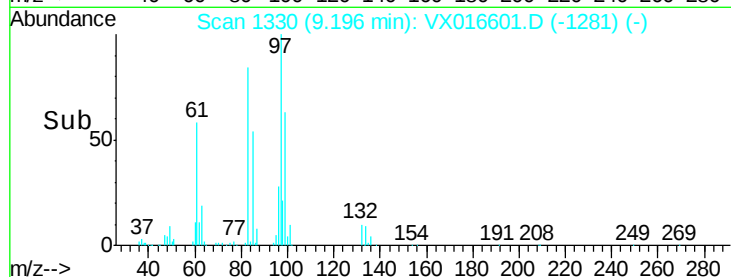
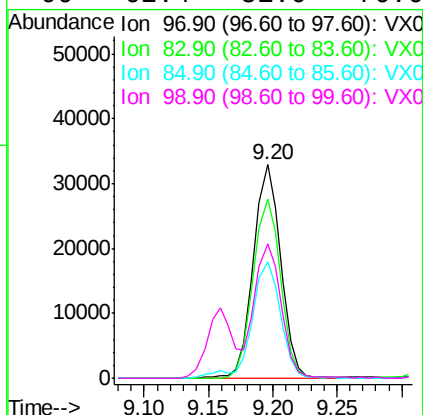
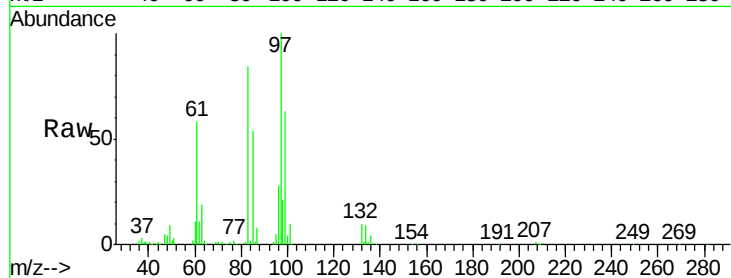




#55  
 1,1,2-Trichloroethane  
 Concen: 19.67 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

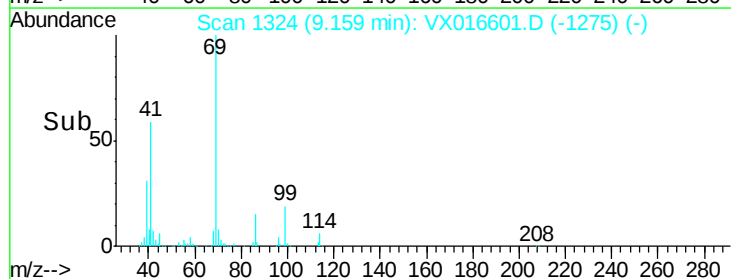
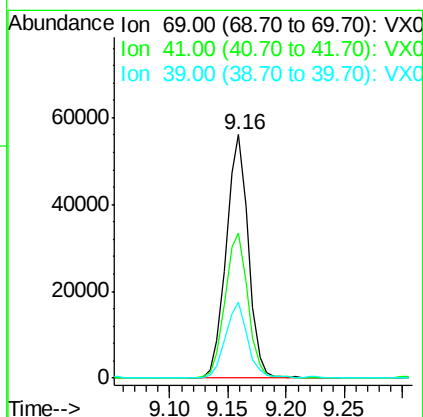
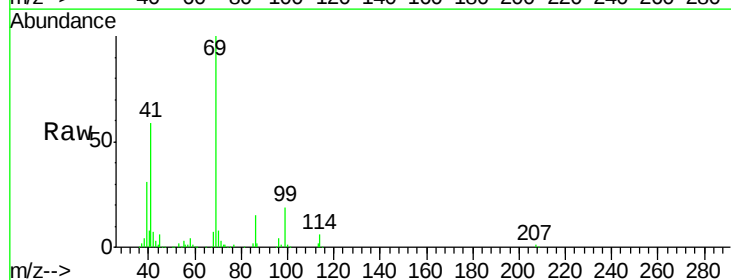
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 48221 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.0  | 70.9  | 106.3 |
| 85       | 54.3  | 43.4  | 65.2  |
| 99       | 62.4  | 51.0  | 76.6  |



#56  
 Ethyl methacrylate  
 Concen: 18.59 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 74247 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 61.2  | 50.7  | 76.1  |
| 39       | 30.3  | 25.8  | 38.6  |





#57

1,3-Dichloropropane

Concen: 19.43 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

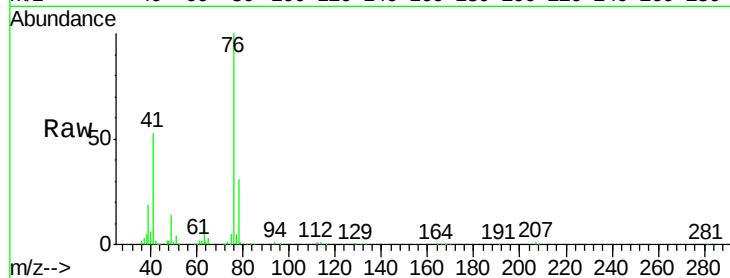
VX0605WBSD01

Tgt Ion: 76 Resp: 81769

Ion Ratio Lower Upper

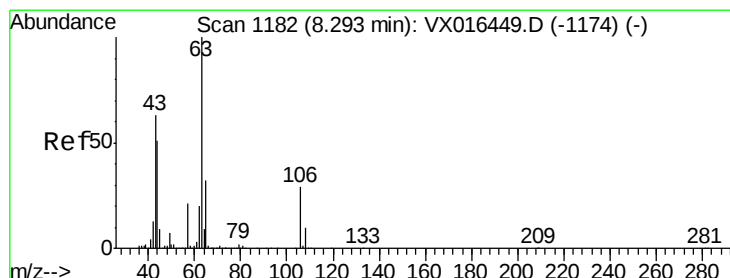
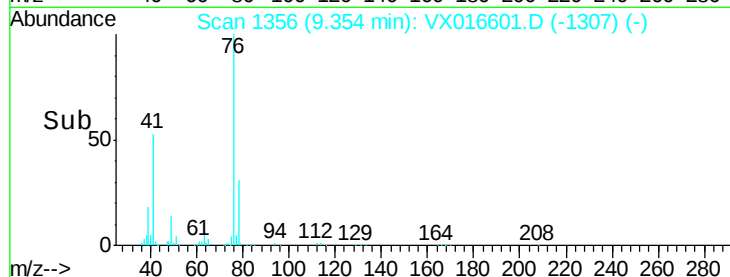
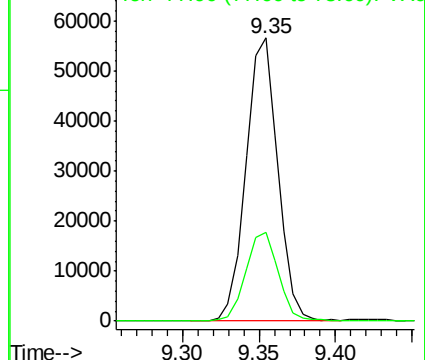
76 100

78 32.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 88.20 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016601.D

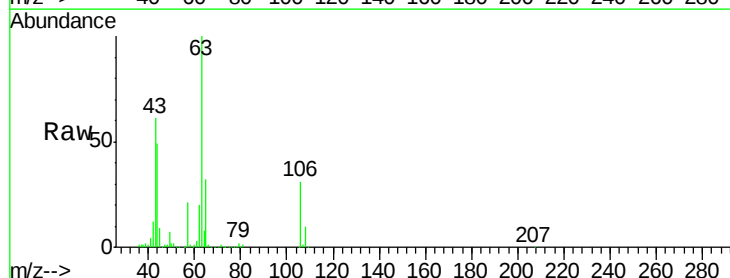
Acq: 05 Jun 2020 11:22

Tgt Ion: 63 Resp: 183834

Ion Ratio Lower Upper

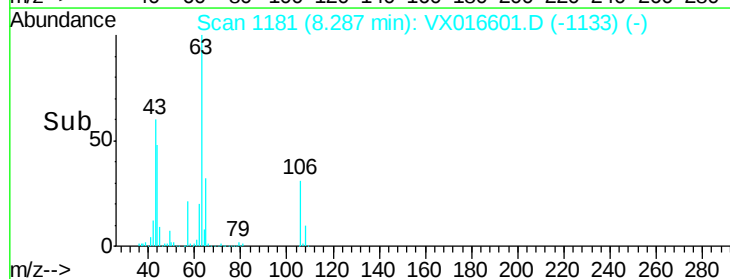
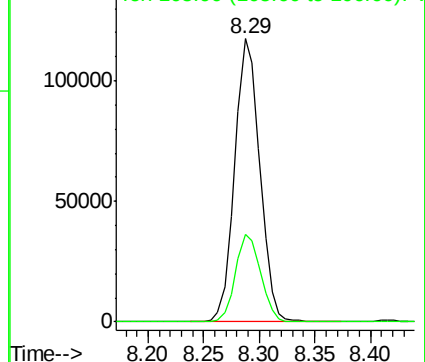
63 100

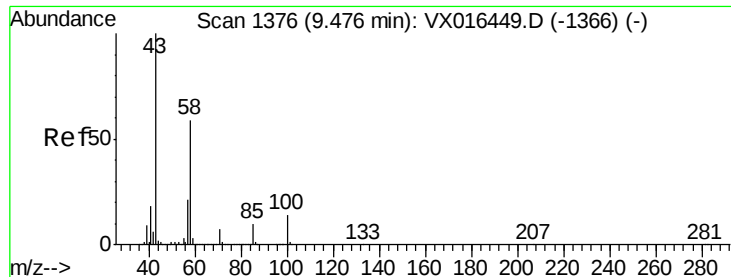
106 31.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

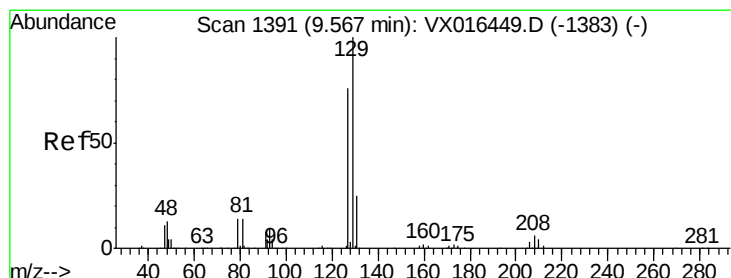
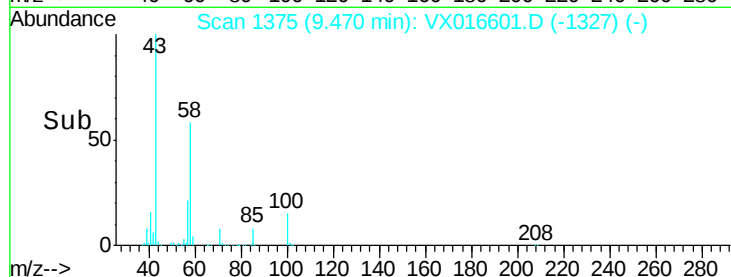
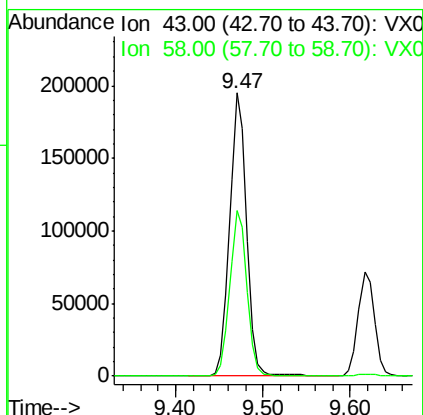
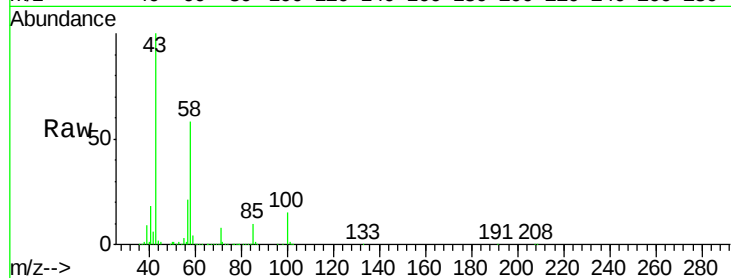




#59  
2-Hexanone  
Concen: 88.38 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. -0.01 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

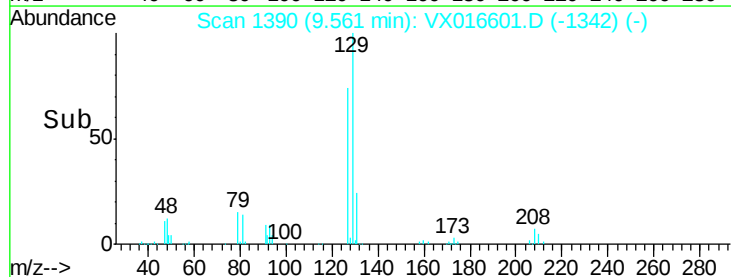
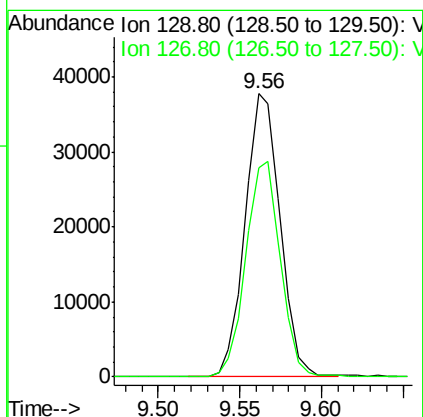
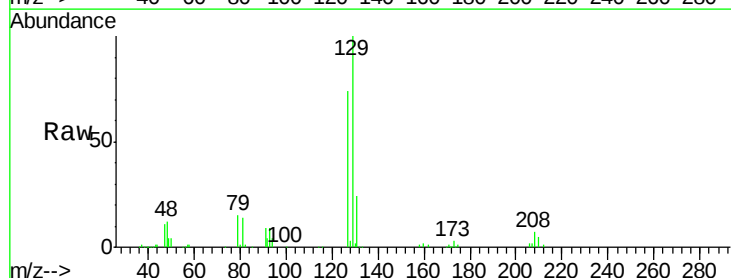
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

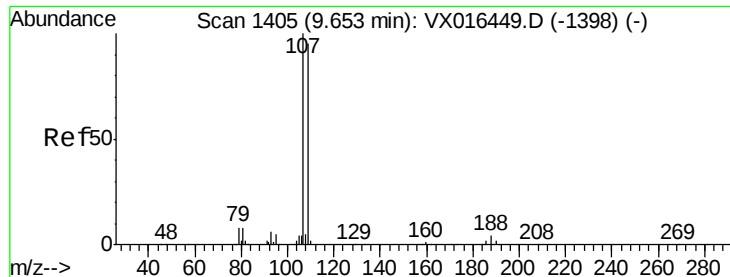
Tgt Ion: 43 Resp: 263159  
Ion Ratio Lower Upper  
43 100  
58 59.0 28.8 86.4



#60  
Dibromochloromethane  
Concen: 20.45 ug/l  
RT: 9.56 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion: 129 Resp: 56431  
Ion Ratio Lower Upper  
129 100  
127 75.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.42 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

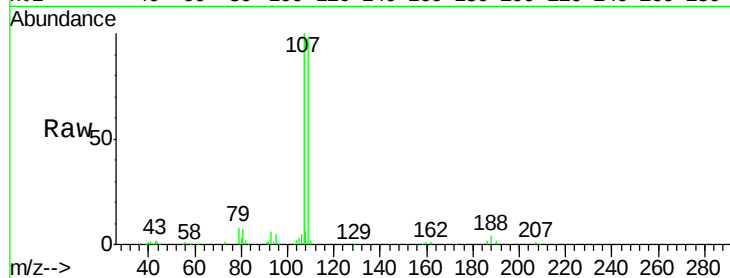
VX0605WBSD01

Tgt Ion: 107 Resp: 50990

Ion Ratio Lower Upper

107 100

109 98.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

40000

30000

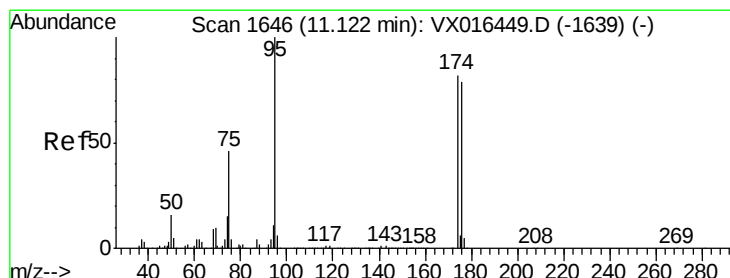
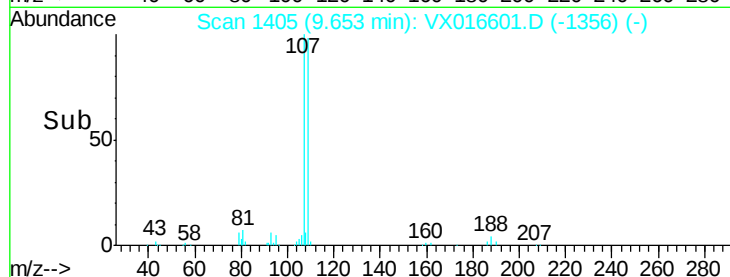
20000

10000

0

Time-->

9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 49.03 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

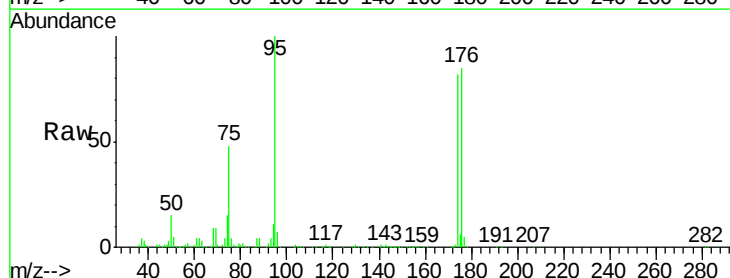
Tgt Ion: 95 Resp: 157474

Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.0

176 81.0 0.0 156.8



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

11.12

150000

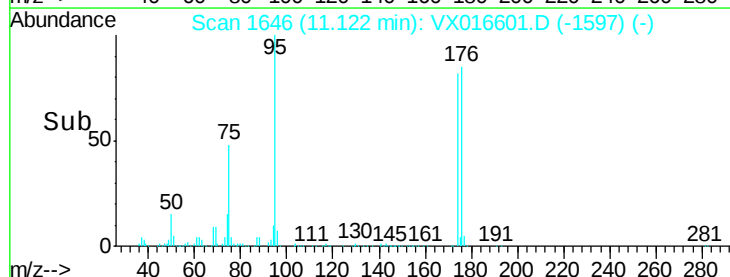
100000

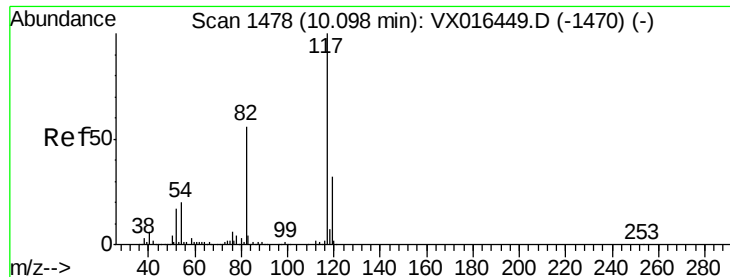
50000

0

Time-->

11.10 11.20

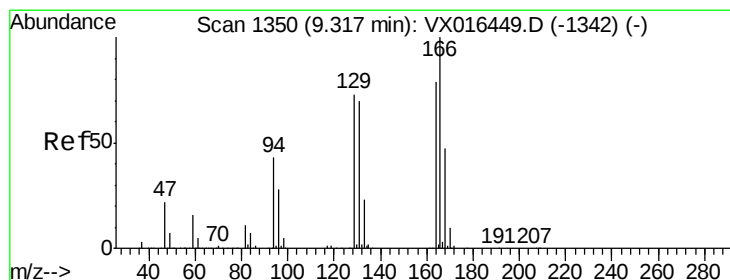
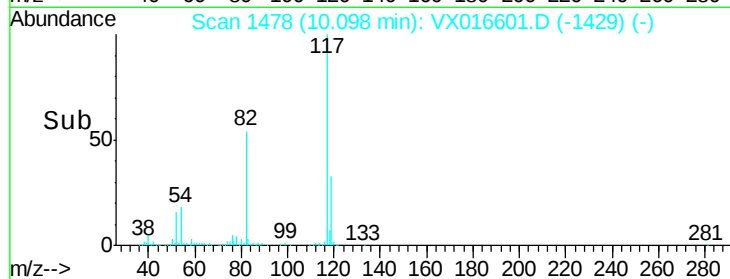
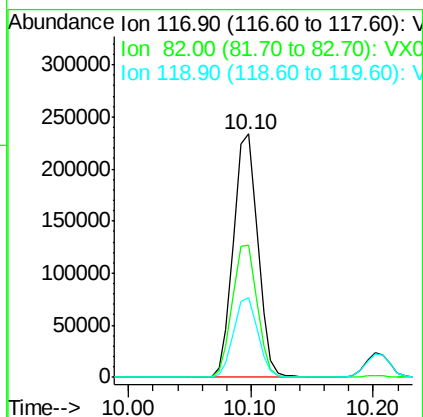
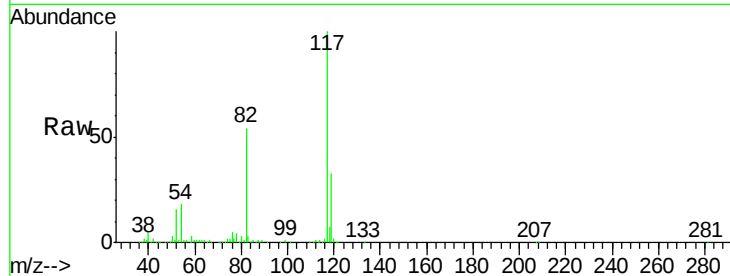




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

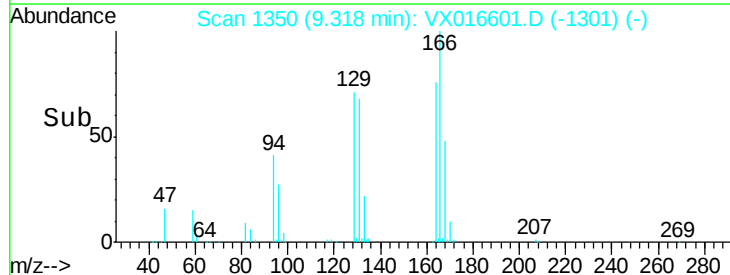
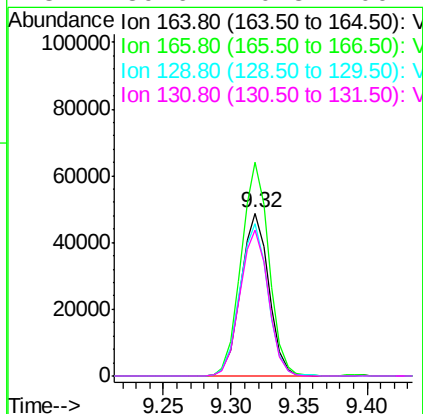
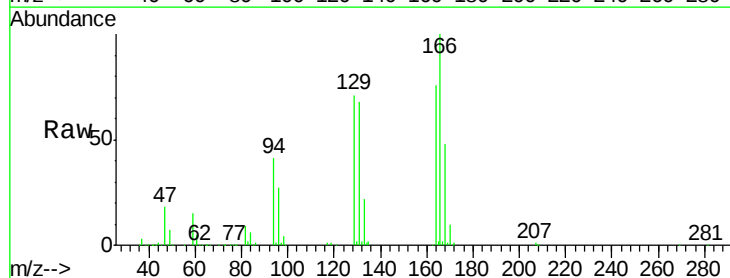
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

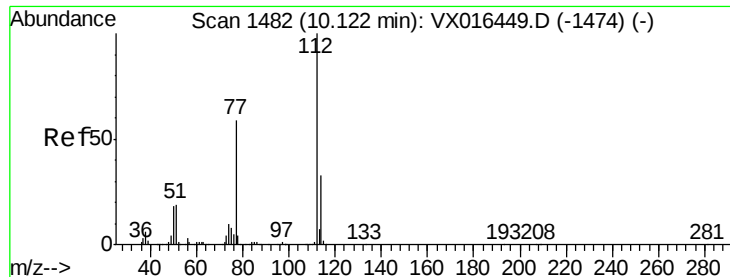
Tgt Ion:117 Resp: 322228  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.0 67.6  
119 32.9 25.8 38.8



#64  
Tetrachloroethene  
Concen: 19.38 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion:164 Resp: 69856  
Ion Ratio Lower Upper  
164 100  
166 131.0 100.9 151.3  
129 93.6 73.2 109.8  
131 89.6 70.8 106.2





#65

Chlorobenzene

Concen: 19.51 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

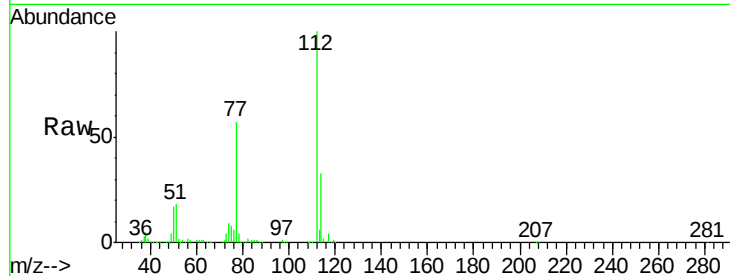
VX0605WBSD01

Tgt Ion:112 Resp: 128174

Ion Ratio Lower Upper

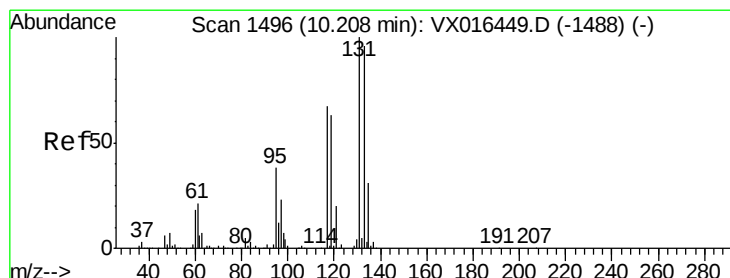
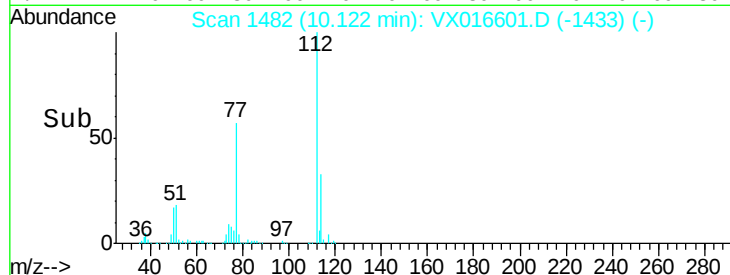
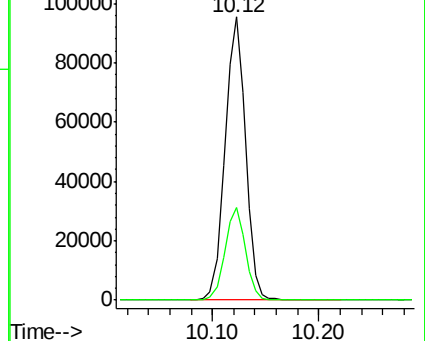
112 100

114 32.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.54 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

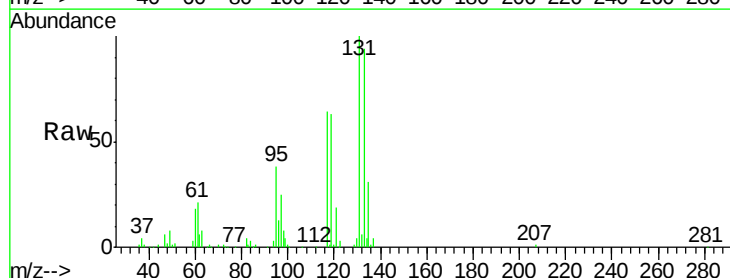
Tgt Ion:131 Resp: 51509

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.3

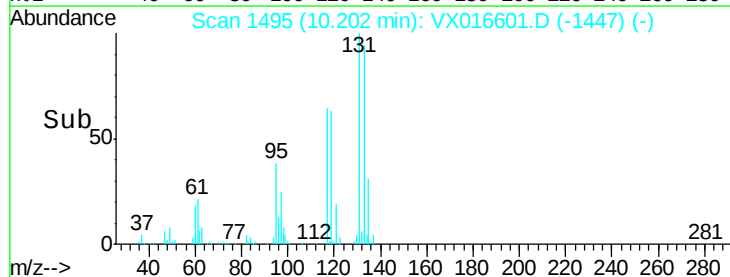
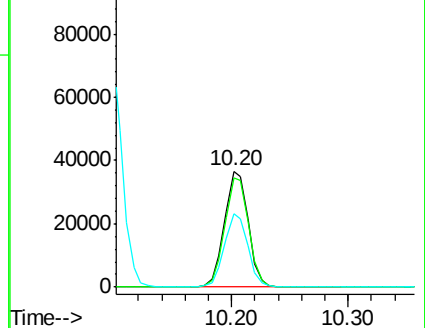
119 63.0 32.0 96.2

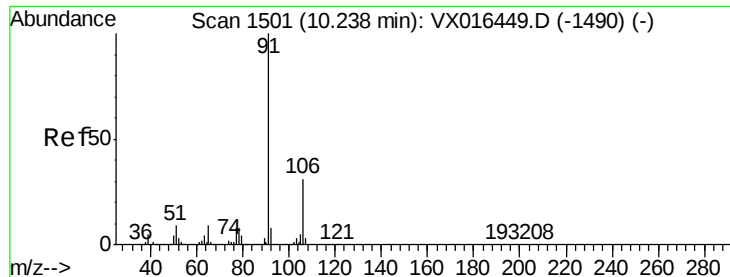


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.97 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

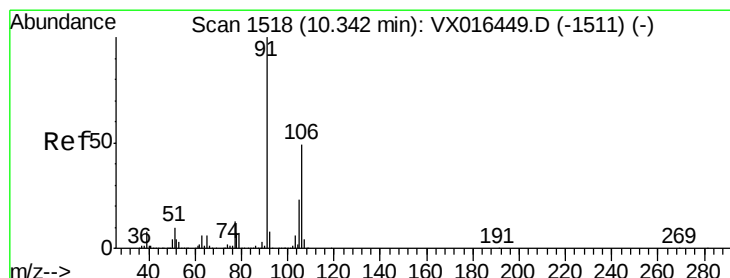
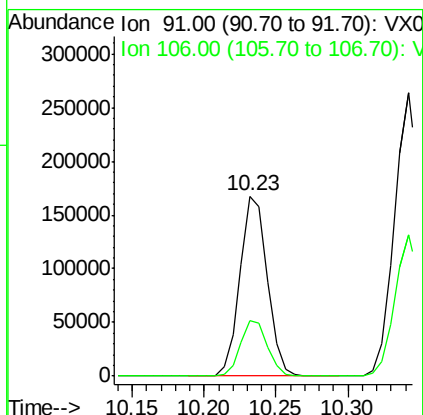
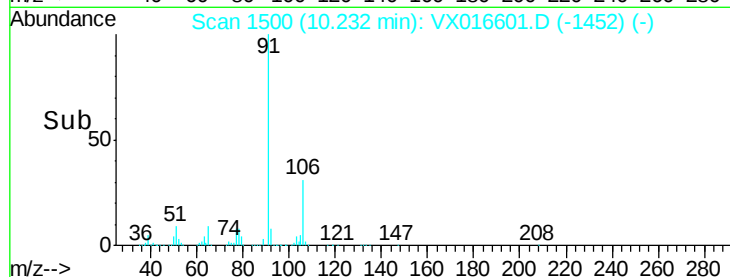
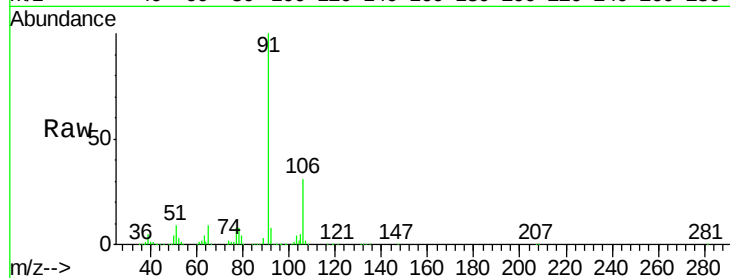
VX0605WBSD01

Tgt Ion: 91 Resp: 221884

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



#68

m/p-Xylenes

Concen: 39.39 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016601.D

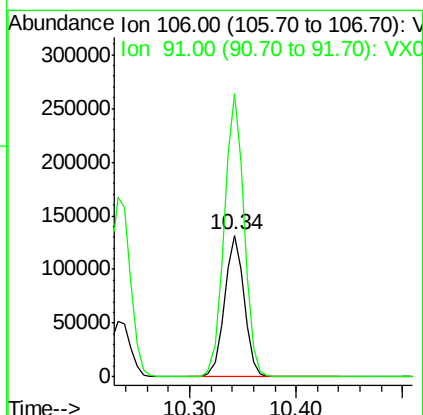
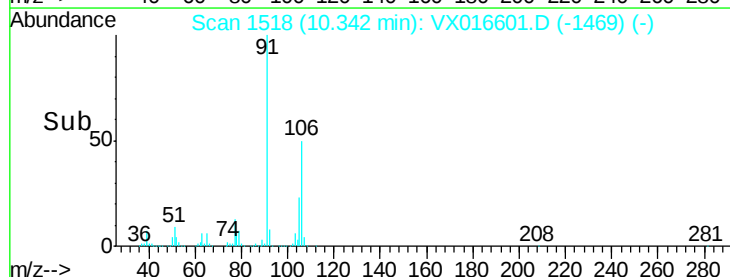
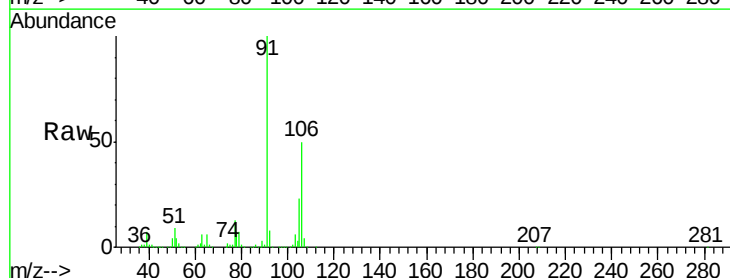
Acq: 05 Jun 2020 11:22

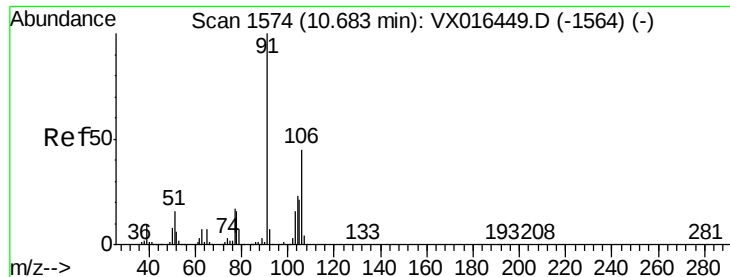
Tgt Ion: 106 Resp: 170814

Ion Ratio Lower Upper

106 100

91 201.0 163.8 245.8

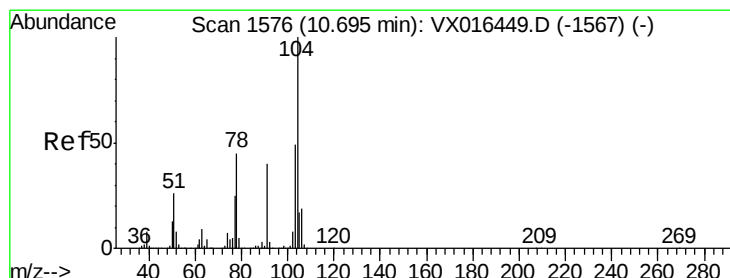
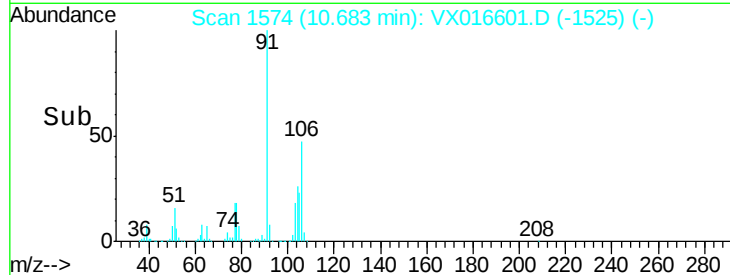
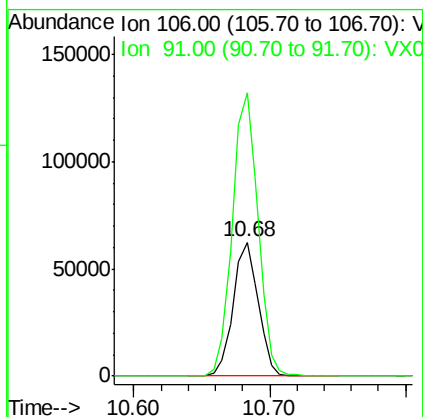
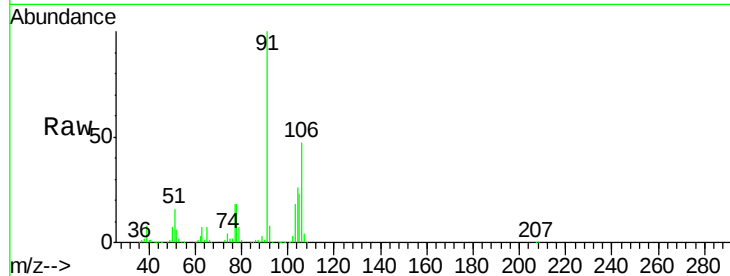




#69  
o-Xylene  
Concen: 19.12 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

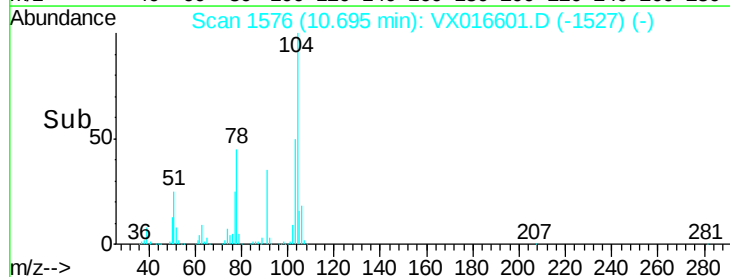
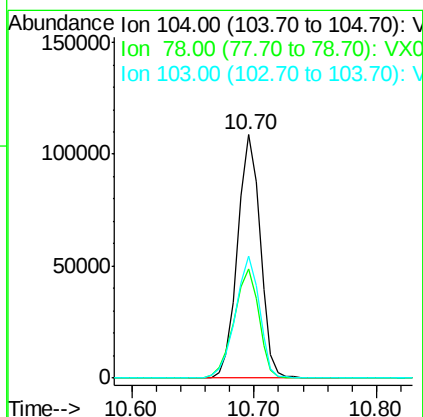
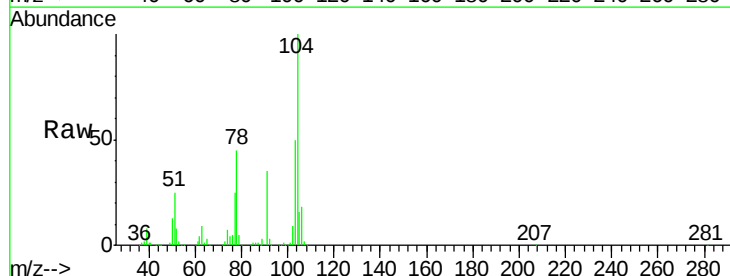
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0605WBSD01

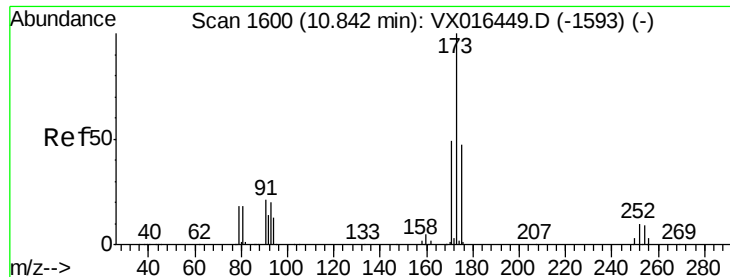
Tgt Ion:106 Resp: 80282  
Ion Ratio Lower Upper  
106 100  
91 215.8 109.6 328.8



#70  
Styrene  
Concen: 19.30 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX016601.D  
Acq: 05 Jun 2020 11:22

Tgt Ion:104 Resp: 139338  
Ion Ratio Lower Upper  
104 100  
78 49.3 40.2 60.2  
103 53.3 43.1 64.7





#71

Bromoform

Concen: 20.07 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

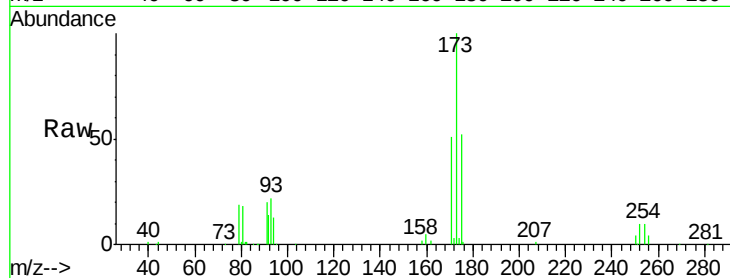
Tgt Ion:173 Resp: 42527

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.7

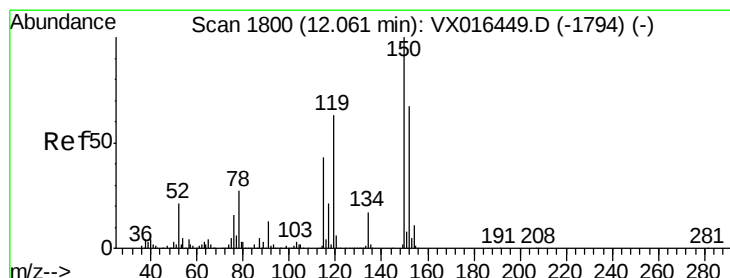
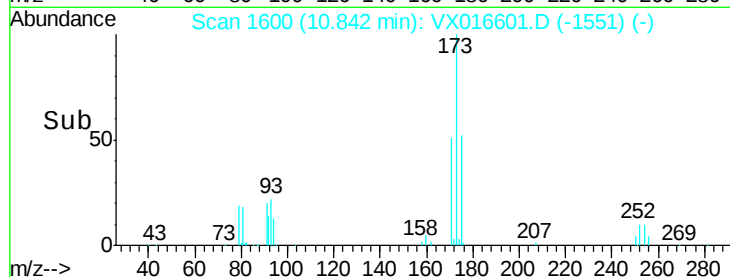
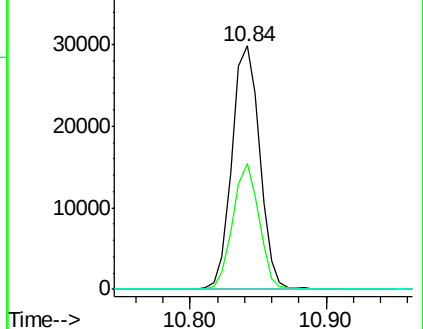
254 0.1 0.1 0.1#



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: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

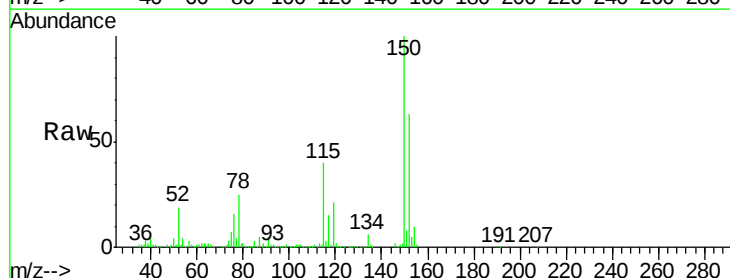
Tgt Ion:152 Resp: 160010

Ion Ratio Lower Upper

152 100

115 66.8 39.9 119.6

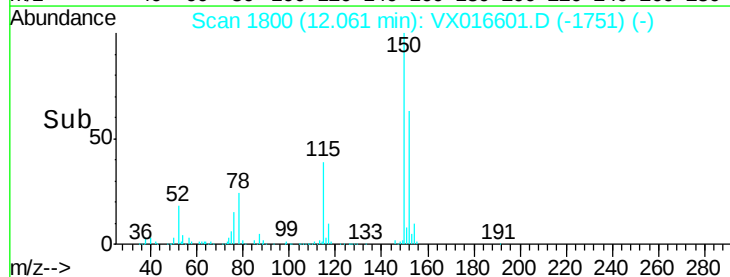
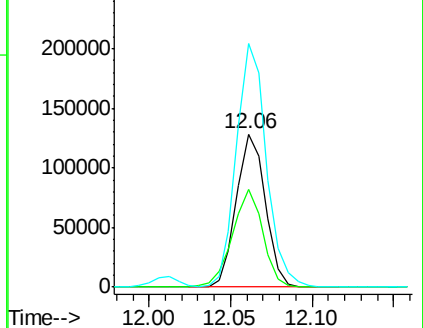
150 164.2 0.0 341.0

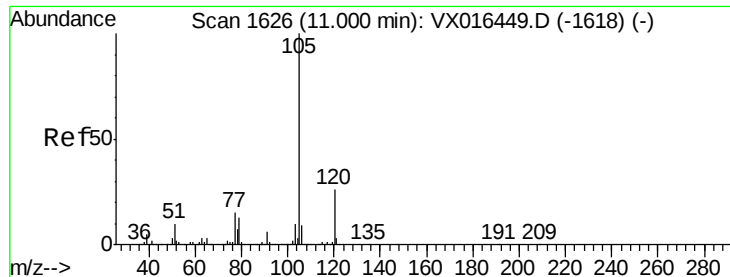


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.45 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

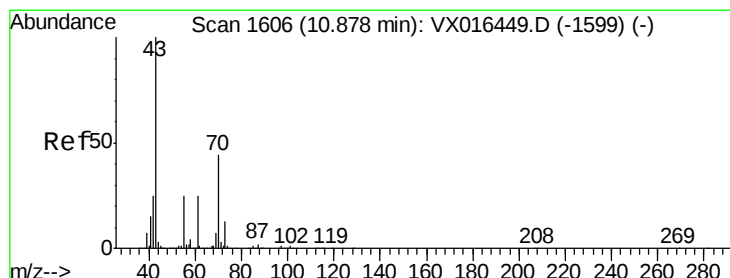
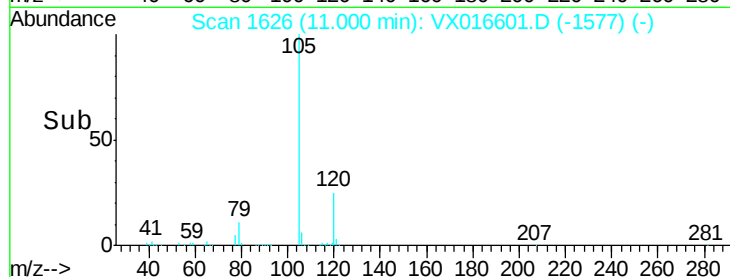
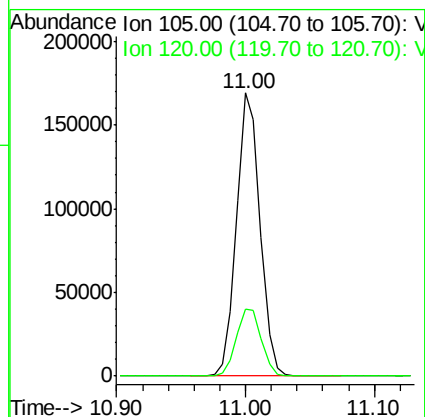
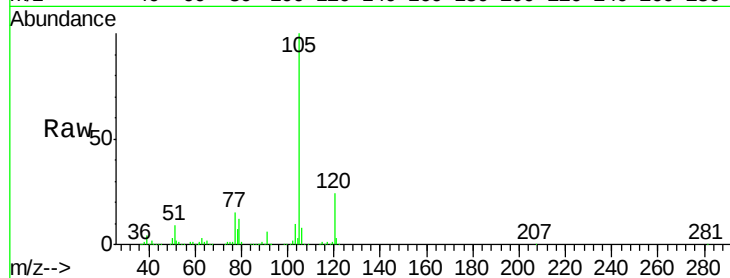
VX0605WBSD01

Tgt Ion: 105 Resp: 215597

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.3



#74

N-ethyl acetate

Concen: 17.26 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Tgt Ion: 43 Resp: 88021

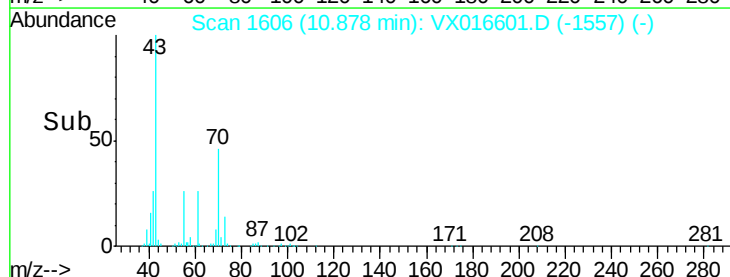
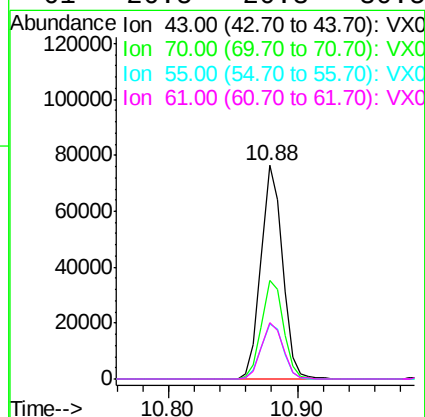
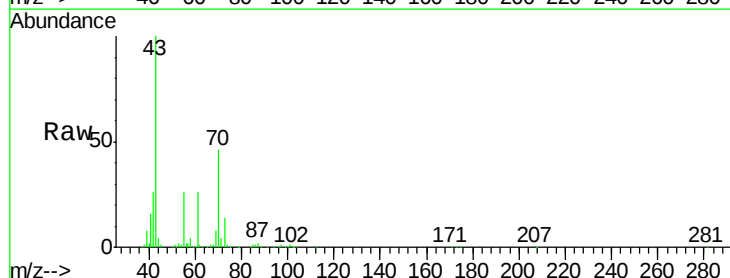
Ion Ratio Lower Upper

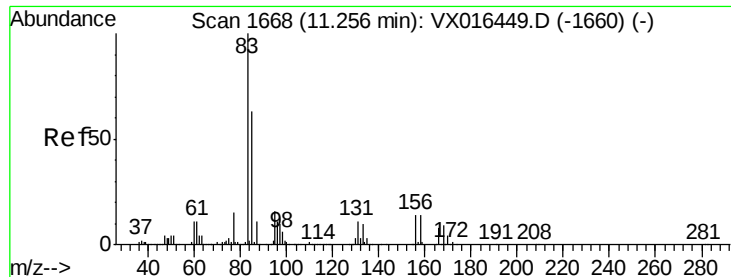
43 100

70 47.2 36.1 54.1

55 26.8 20.2 30.4

61 26.5 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.41 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

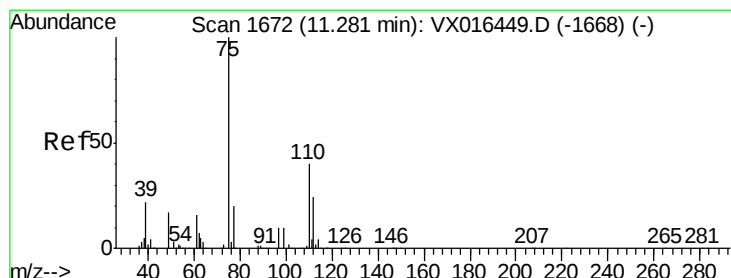
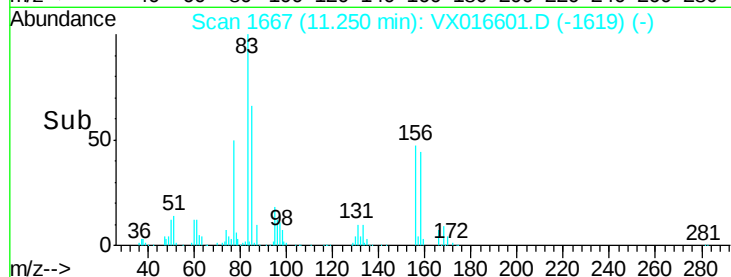
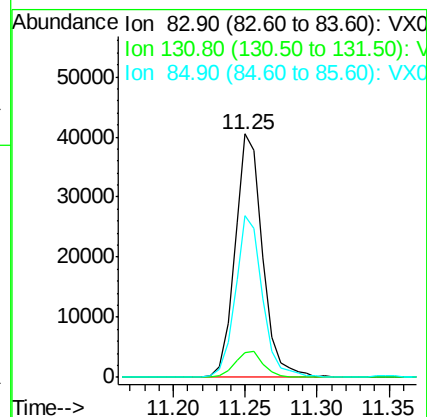
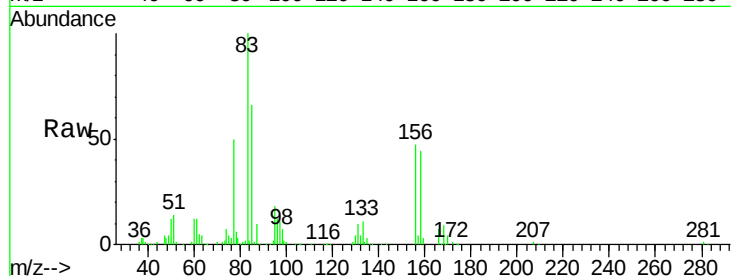
Tgt Ion: 83 Resp: 53922

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.3

85 65.9 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 25.30 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016601.D

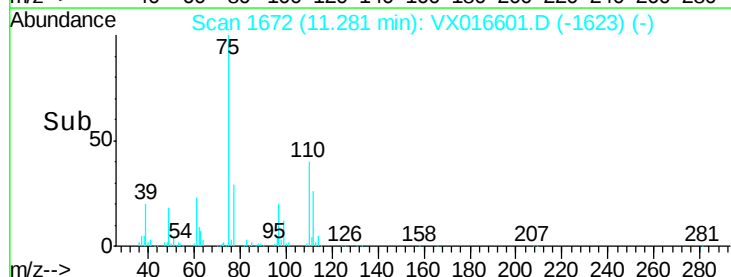
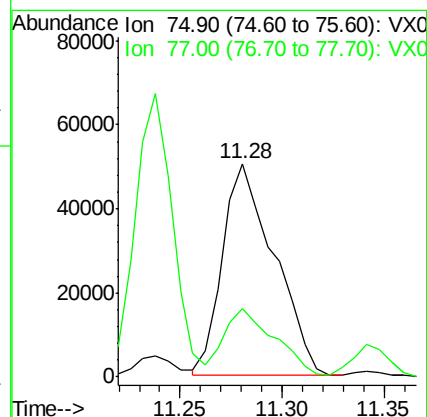
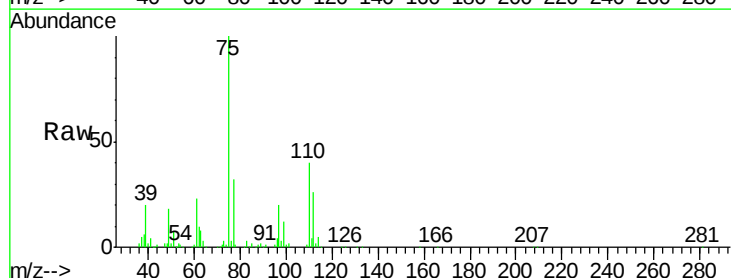
Acq: 05 Jun 2020 11:22

Tgt Ion: 75 Resp: 88988

Ion Ratio Lower Upper

75 100

77 32.0 21.3 63.7





#77

Bromobenzene

Concen: 19.72 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

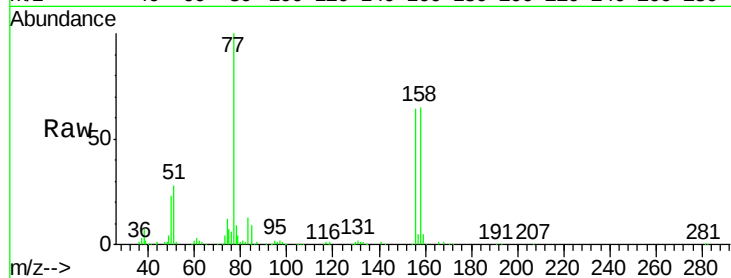
Tgt Ion:156 Resp: 57345

Ion Ratio Lower Upper

156 100

77 151.0 79.6 238.8

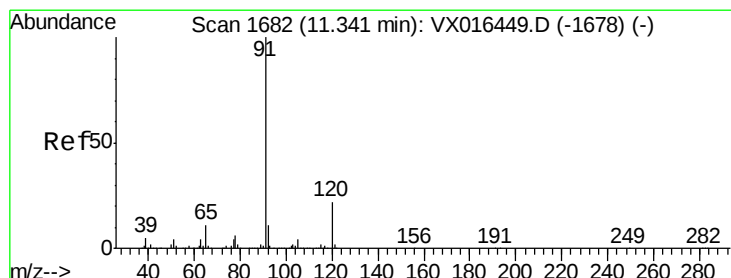
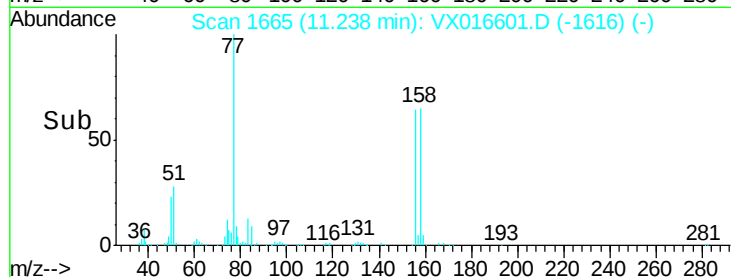
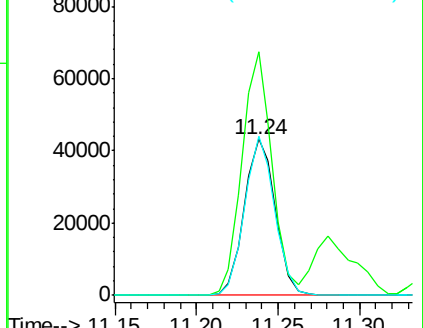
158 98.4 48.1 144.4



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: 19.37 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016601.D

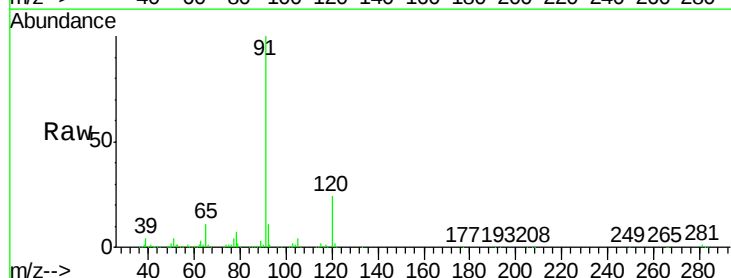
Acq: 05 Jun 2020 11:22

Tgt Ion: 91 Resp: 239937

Ion Ratio Lower Upper

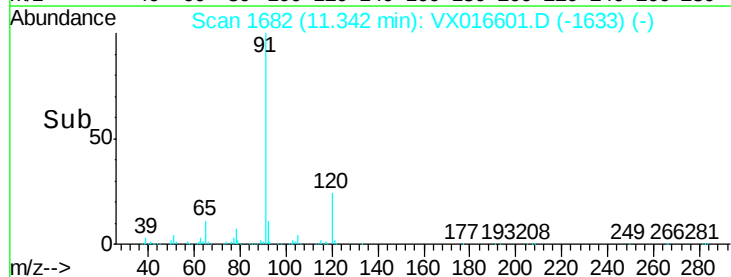
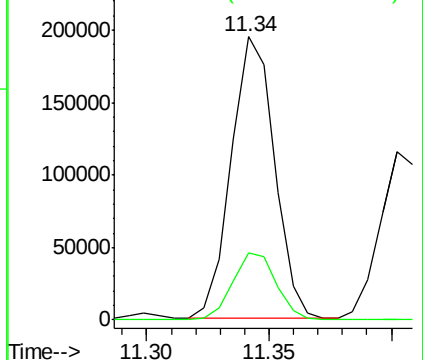
91 100

120 24.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.42 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

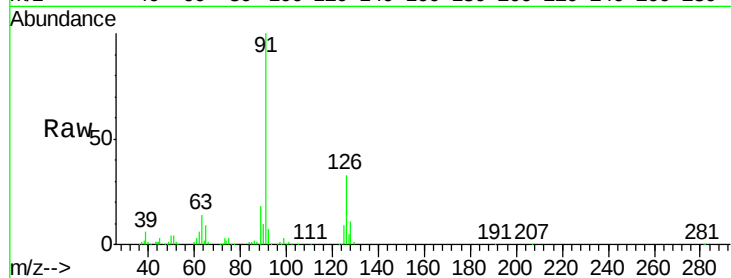
VX0605WBSD01

Tgt Ion: 91 Resp: 146848

Ion Ratio Lower Upper

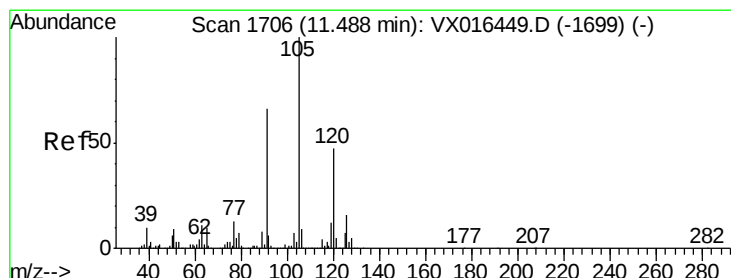
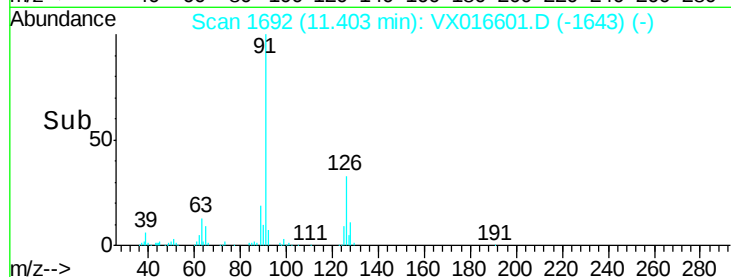
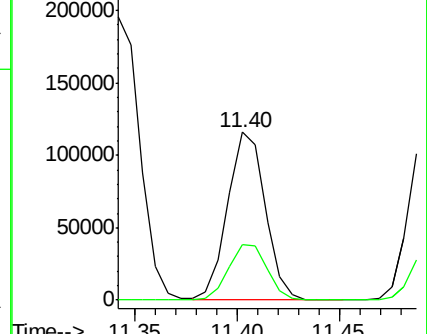
91 100

126 34.6 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.94 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016601.D

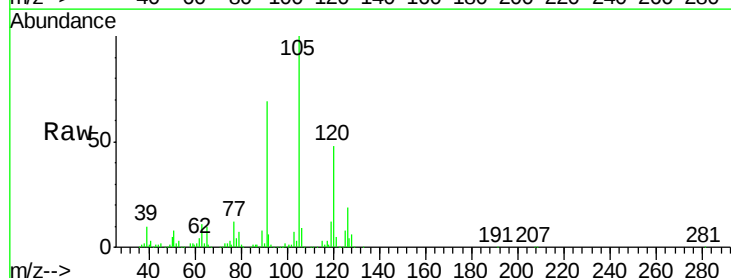
Acq: 05 Jun 2020 11:22

Tgt Ion: 105 Resp: 184575

Ion Ratio Lower Upper

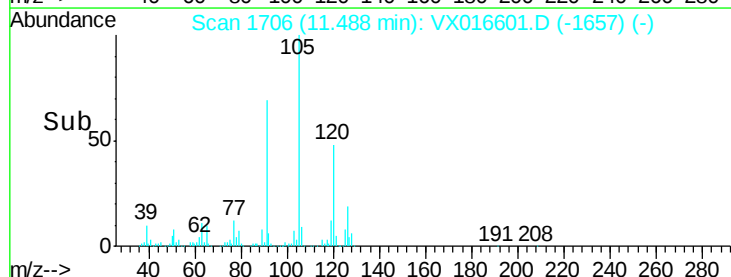
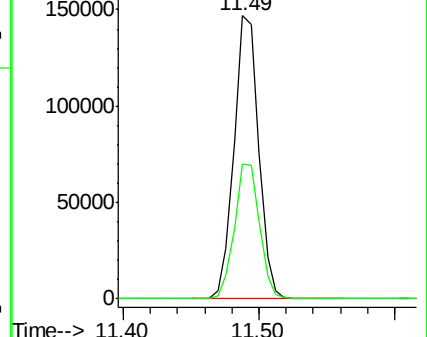
105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.12 ug/l

RT: 11.06 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

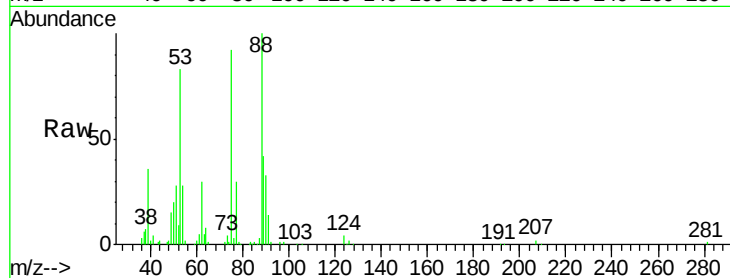
Tgt Ion: 75 Resp: 25907

Ion Ratio Lower Upper

75 100

53 90.3 71.3 106.9

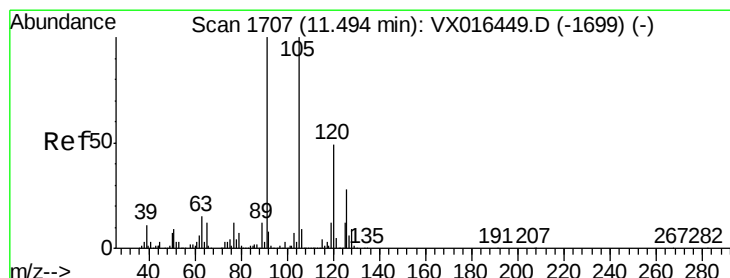
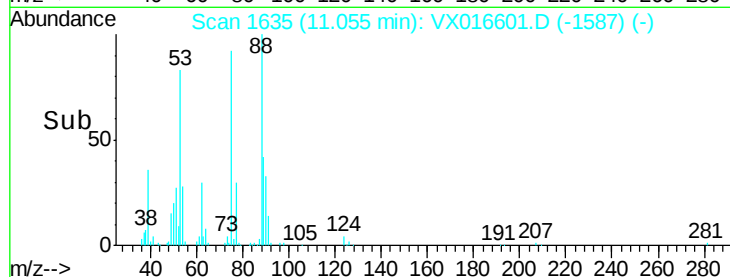
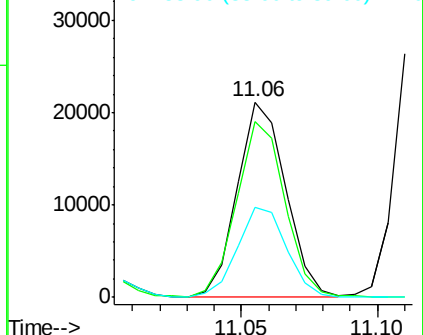
89 47.4 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.35 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016601.D

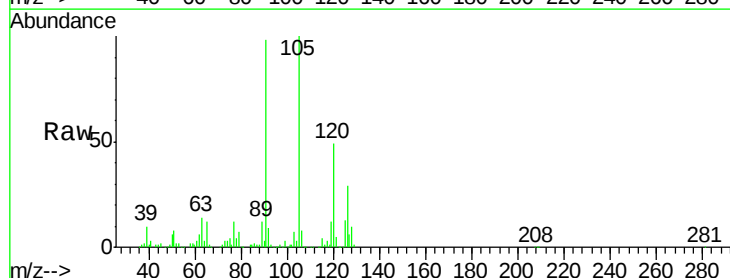
Acq: 05 Jun 2020 11:22

Tgt Ion: 91 Resp: 172733

Ion Ratio Lower Upper

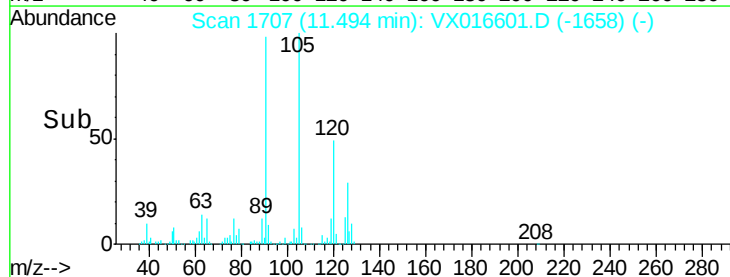
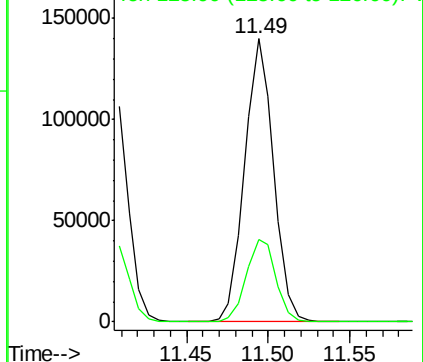
91 100

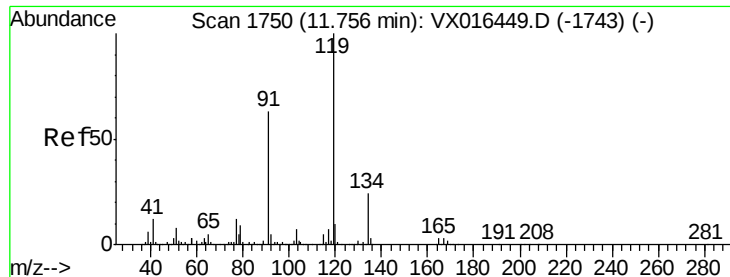
126 30.1 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

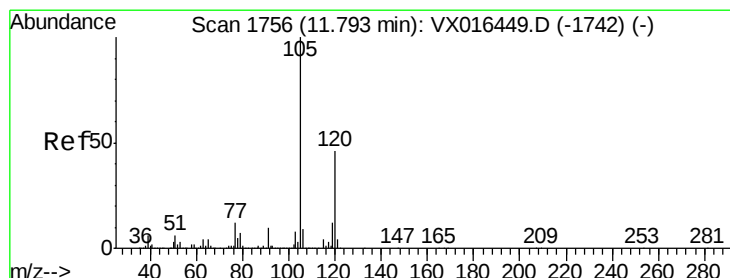
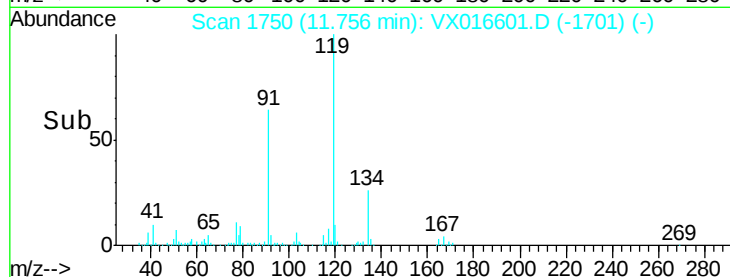
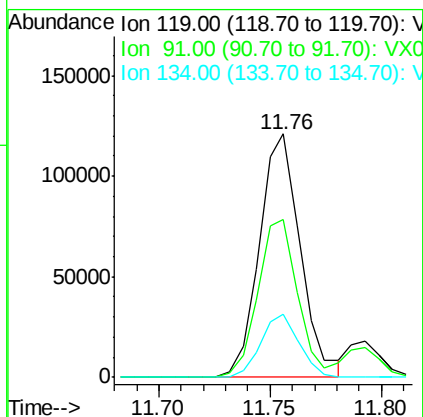
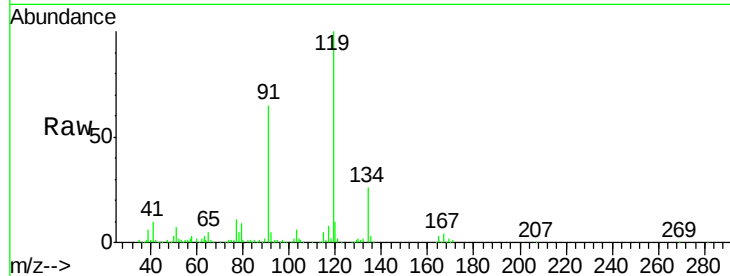




#83  
 tert-Butylbenzene  
 Concen: 19.57 ug/l  
 RT: 11.76 min Scan# 1750  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

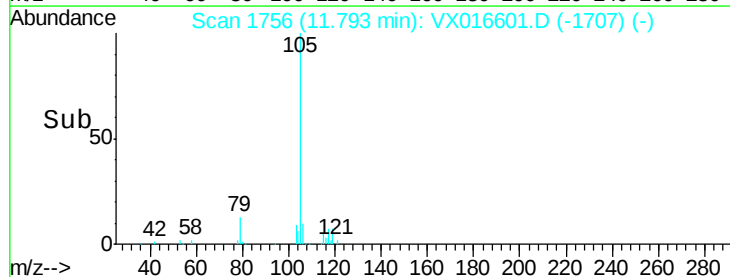
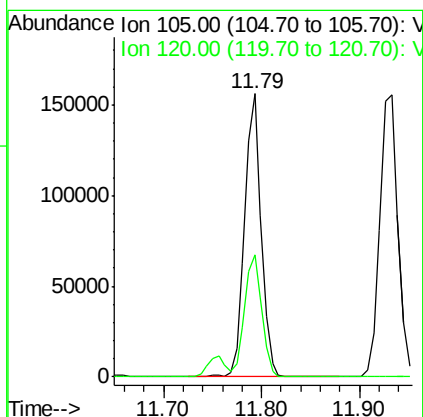
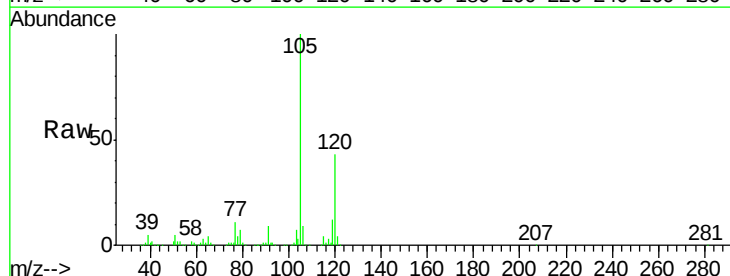
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.5  | 31.3  | 93.8  |
| 134     | 24.4  | 12.0  | 36.0  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.66 ug/l  
 RT: 11.79 min Scan# 1756  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.6  | 22.6  | 67.7  |

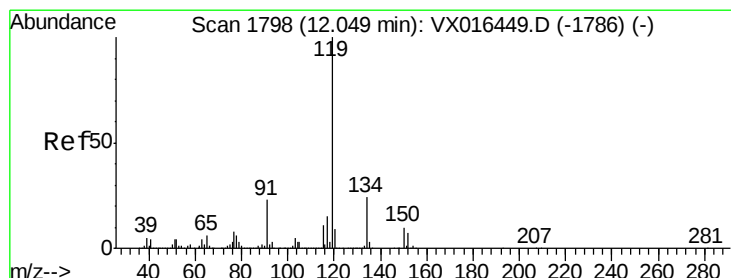
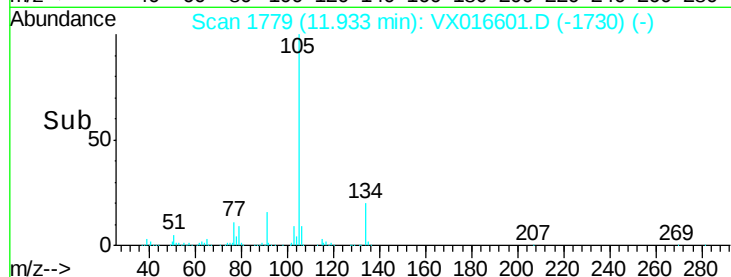
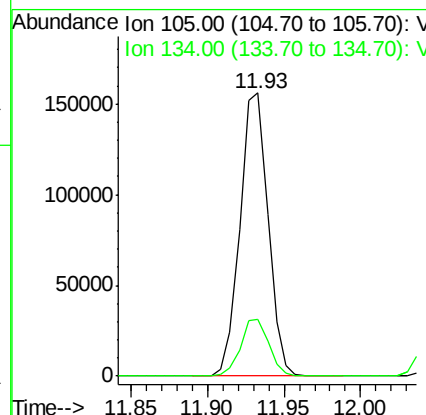
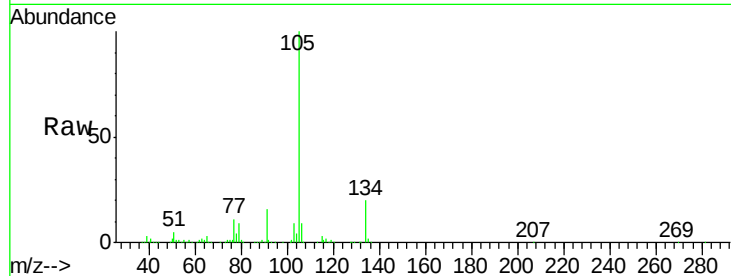




#85  
 sec-Butylbenzene  
 Concen: 20.05 ug/l  
 RT: 11.93 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

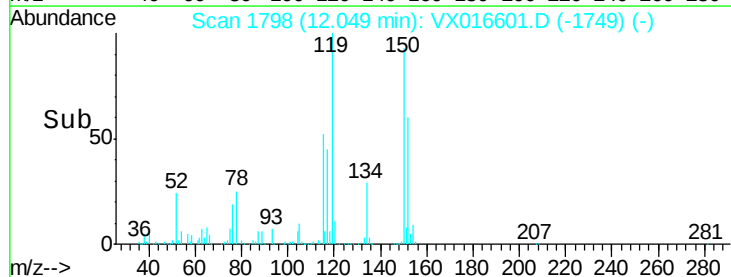
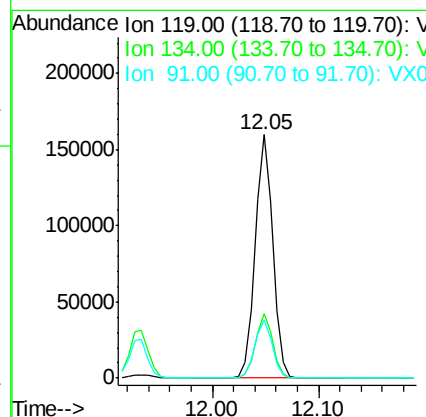
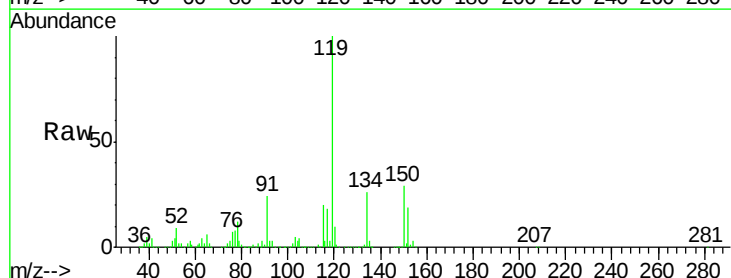
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0605WBSD01

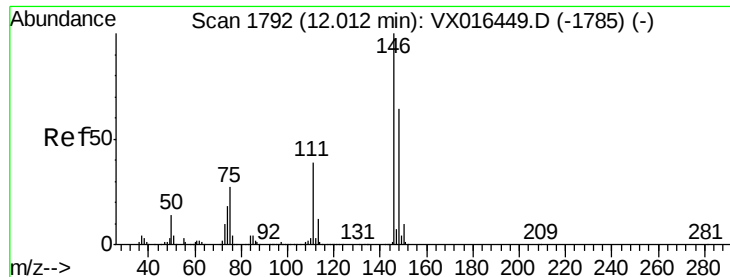
Tgt Ion:105 Resp: 198991  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 19.95 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion:119 Resp: 185434  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.7 38.0  
 91 24.0 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 19.34 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

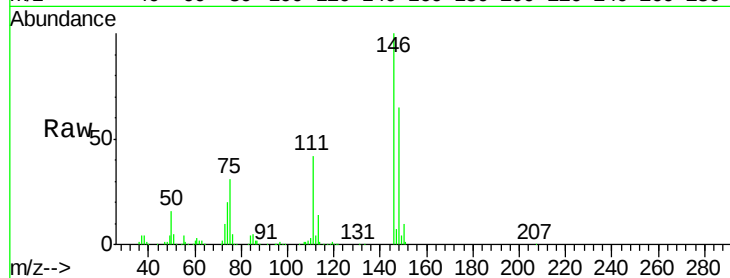
Tgt Ion:146 Resp: 97451

Ion Ratio Lower Upper

146 100

111 41.2 20.0 60.0

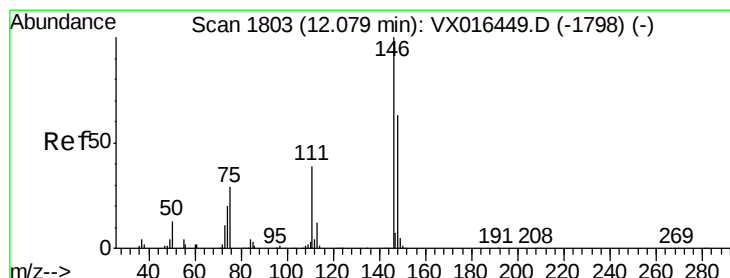
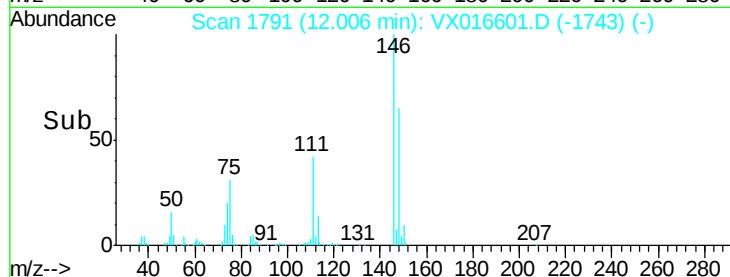
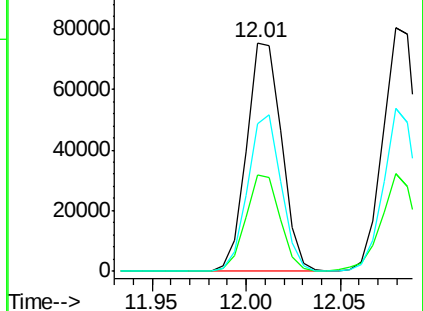
148 65.4 31.9 95.5



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: 19.86 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

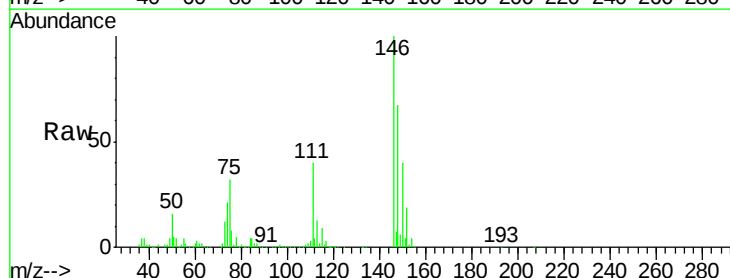
Tgt Ion:146 Resp: 102350

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.2

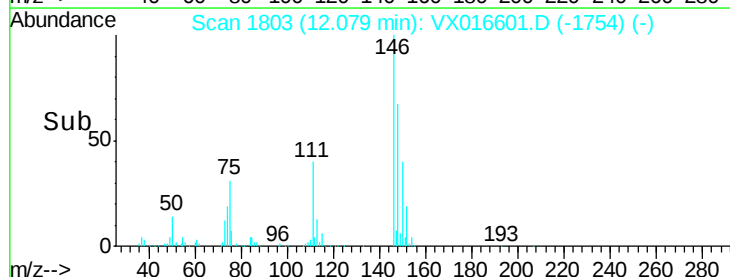
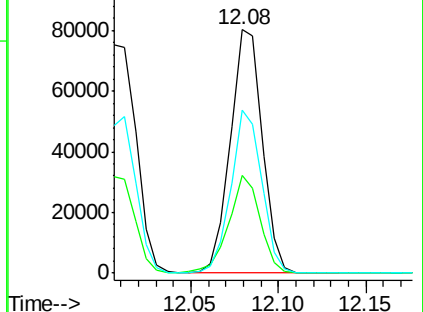
148 64.8 31.4 94.3

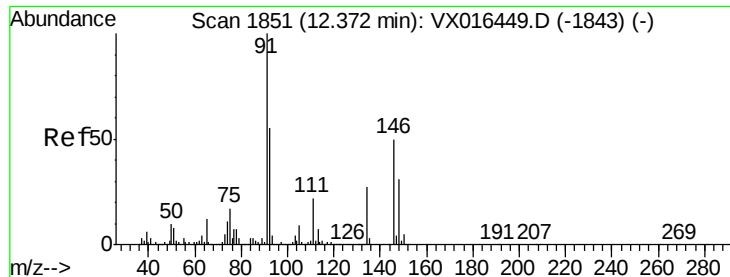


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.65 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampled :

VX0605WBSD01

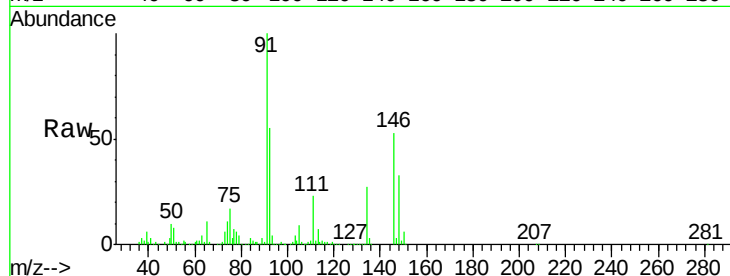
Tgt Ion: 91 Resp: 152135

Ion Ratio Lower Upper

91 100

92 55.3 27.2 81.5

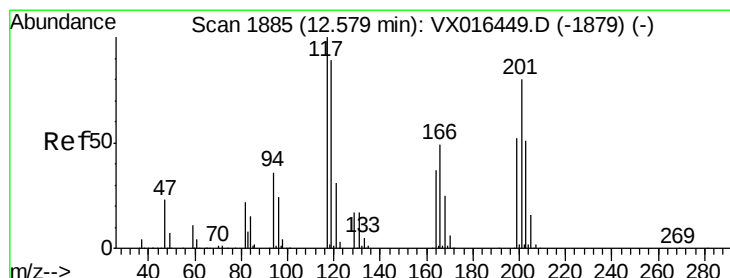
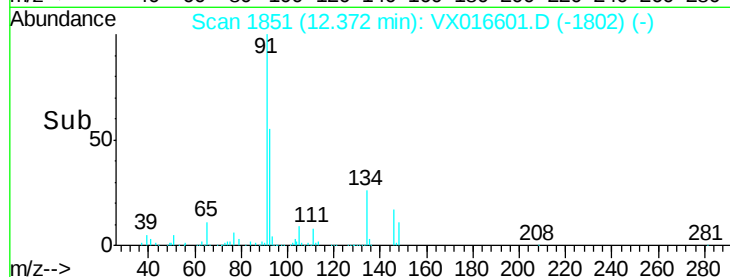
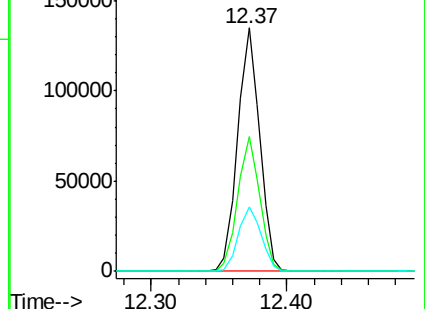
134 27.1 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.87 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016601.D

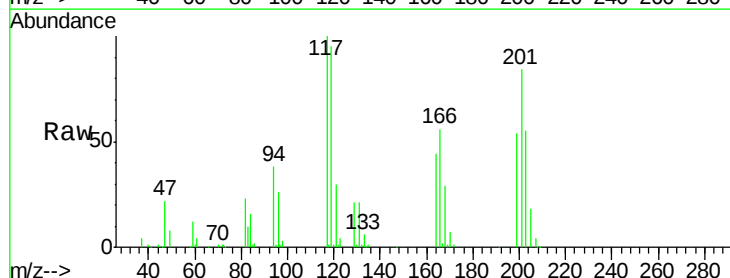
Acq: 05 Jun 2020 11:22

Tgt Ion: 117 Resp: 31901

Ion Ratio Lower Upper

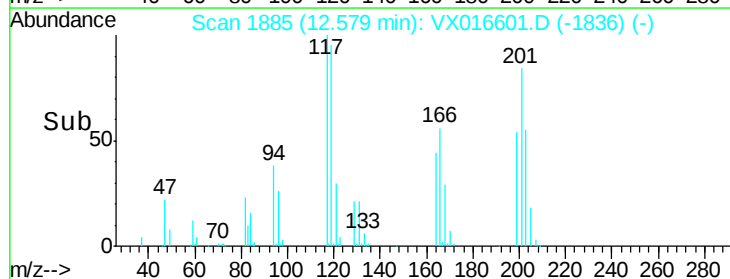
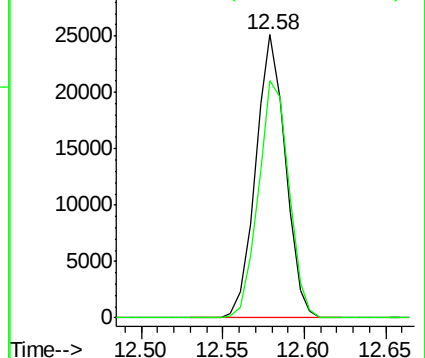
117 100

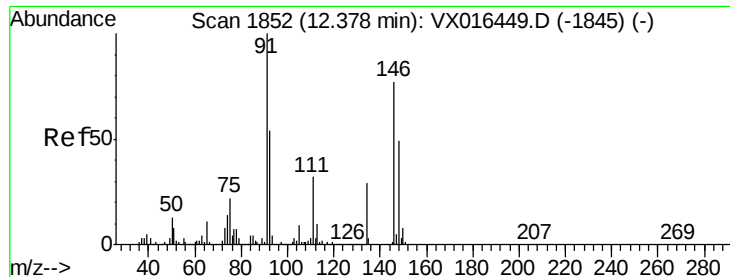
201 85.8 43.1 129.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.72 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

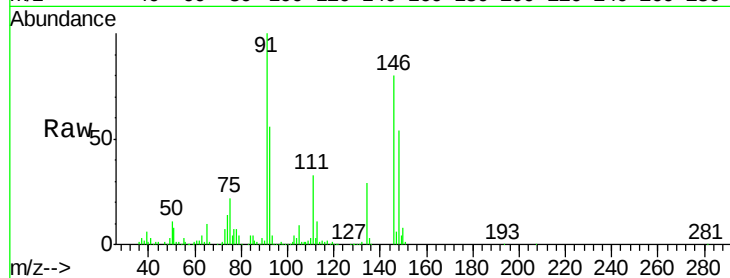
Tgt Ion:146 Resp: 96233

Ion Ratio Lower Upper

146 100

111 41.9 21.4 64.3

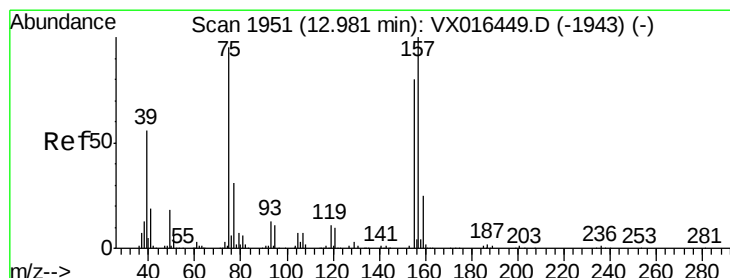
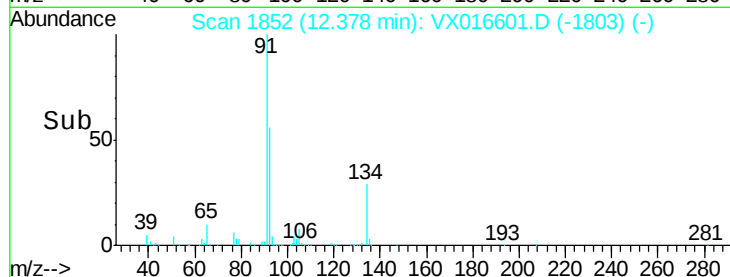
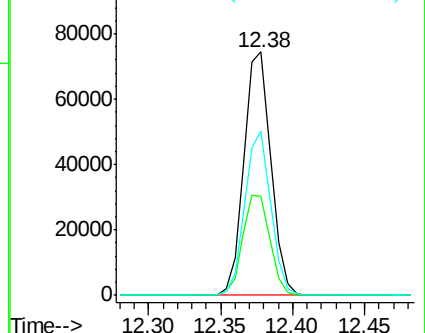
148 64.8 31.9 95.7



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: 18.35 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

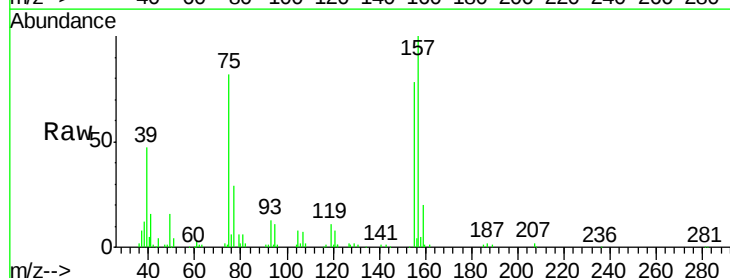
Tgt Ion: 75 Resp: 16515

Ion Ratio Lower Upper

75 100

155 91.9 44.1 132.4

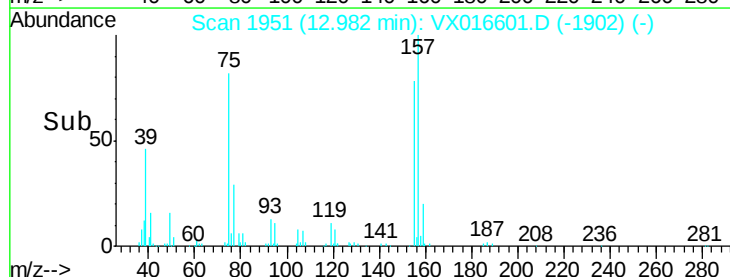
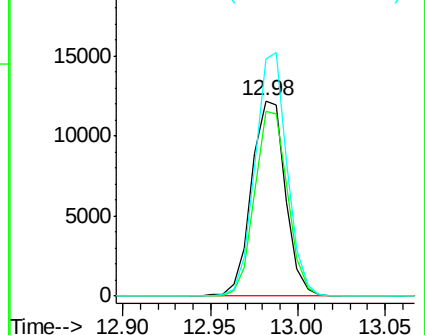
157 117.8 57.8 173.3

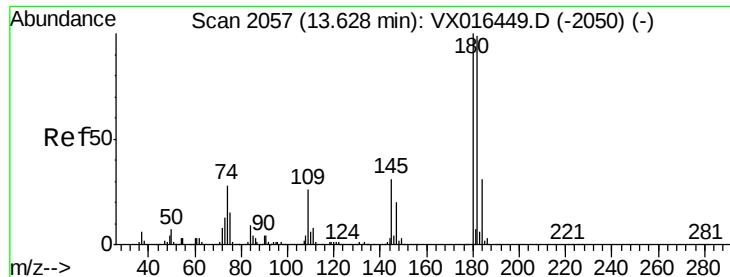


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

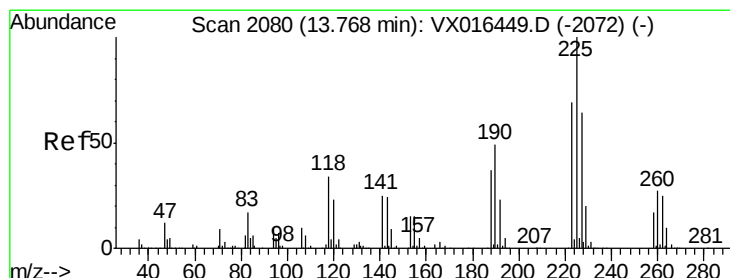
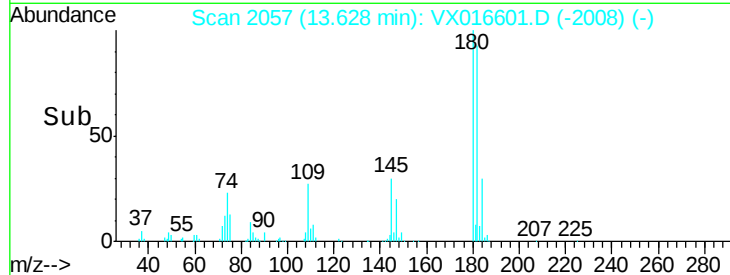
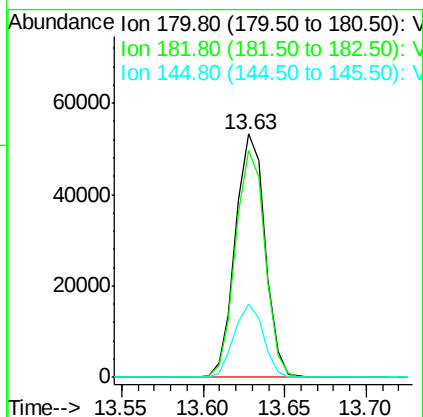
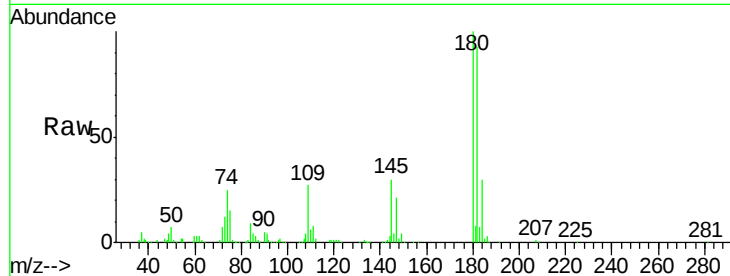




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.86 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

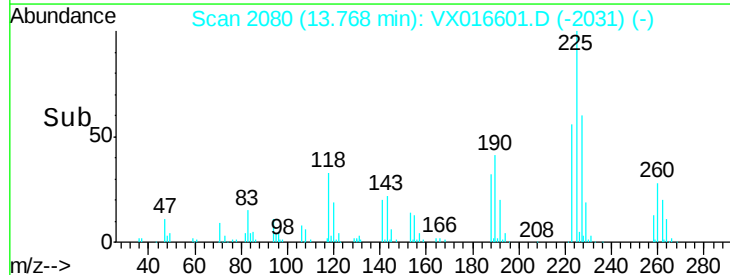
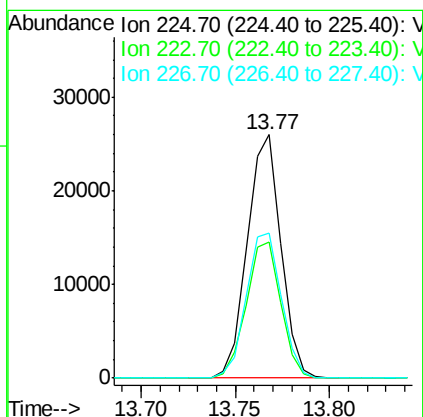
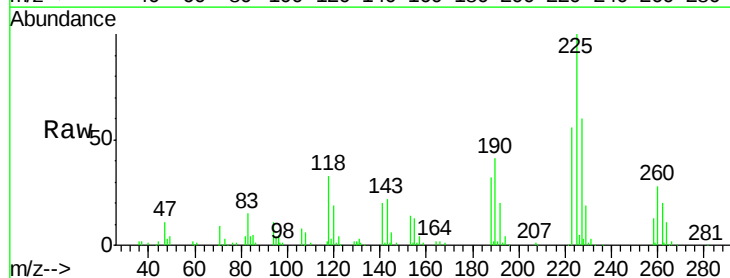
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0605WBSD01

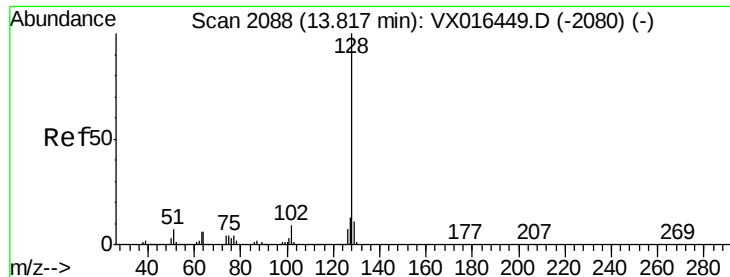
Tgt Ion:180 Resp: 67621  
 Ion Ratio Lower Upper  
 180 100  
 182 92.7 48.3 144.8  
 145 29.6 15.4 46.2



#94  
 Hexachlorobutadiene  
 Concen: 25.28 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX016601.D  
 Acq: 05 Jun 2020 11:22

Tgt Ion:225 Resp: 32168  
 Ion Ratio Lower Upper  
 225 100  
 223 57.7 32.3 96.8  
 227 62.2 31.6 94.7





#95

Naphthalene

Concen: 19.07 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0605WBSD01

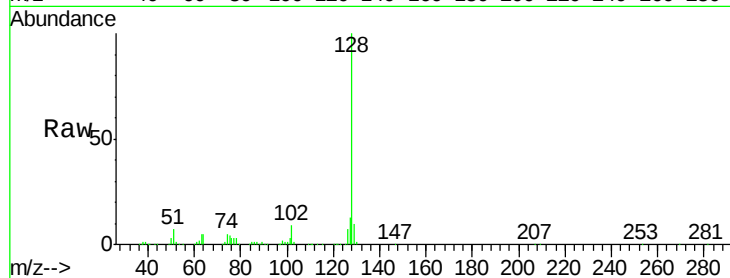
Tgt Ion:128 Resp: 211953

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

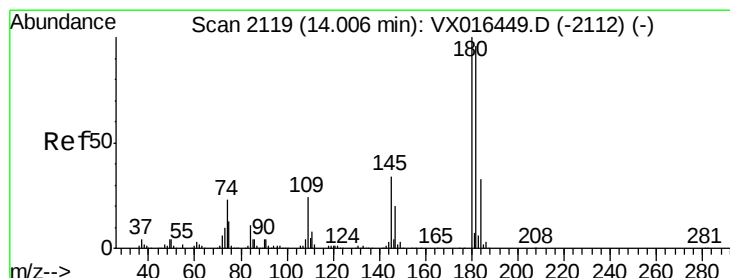
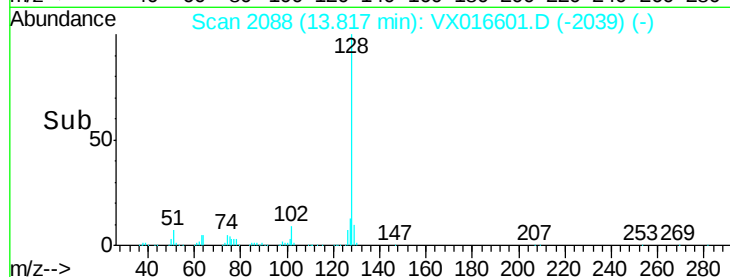
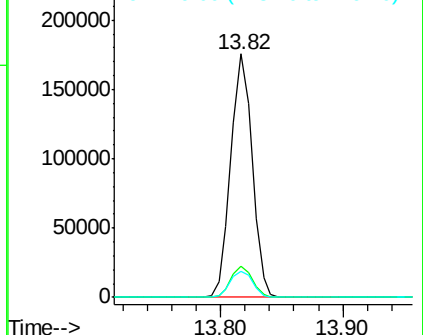
129 11.1 8.6 13.0



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: 21.02 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX016601.D

Acq: 05 Jun 2020 11:22

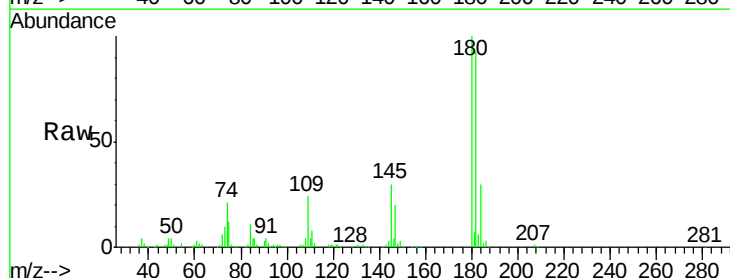
Tgt Ion:180 Resp: 66757

Ion Ratio Lower Upper

180 100

182 97.8 48.6 145.8

145 33.0 16.6 49.8



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

