

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\  
 Data File : VX016008.D  
 Acq On : 01 May 2020 14:00  
 Operator : JC/SP  
 Sample : VX0501WBSD02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

Quant Time: May 02 06:51:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 30 12:42:44 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 50349    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 280469   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 260458   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.03   | 65    | 119101   | 30.78    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 102.60% |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 128044   | 29.32    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.73%  |
| 63) Toluene-d8            | 8.70   | 98    | 332134   | 29.73    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.10%  |

## Target Compounds

|                               |      |     |        |        | Ovalue     |
|-------------------------------|------|-----|--------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 67207  | 19.379 | ug/l 100   |
| 3) Chloromethane              | 1.31 | 50  | 63497  | 18.687 | ug/l 99    |
| 4) Vinyl Chloride             | 1.39 | 62  | 71162  | 18.433 | ug/l 98    |
| 5) Bromomethane               | 1.63 | 94  | 48534  | 20.511 | ug/l 98    |
| 6) Chloroethane               | 1.72 | 64  | 45896  | 18.135 | ug/l 98    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 100193 | 18.119 | ug/l 100   |
| 8) Diethyl Ether              | 2.17 | 74  | 41310  | 18.717 | ug/l 99    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 53534  | 18.747 | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.36 | 96  | 52893  | 18.359 | ug/l 99    |
| 11) Methyl Iodide             | 2.49 | 142 | 69960  | 17.787 | ug/l 99    |
| 12) Methyl Acetate            | 2.75 | 43  | 99604  | 19.801 | ug/l 100   |
| 13) Acrolein                  | 2.27 | 56  | 31014  | 76.910 | ug/l 97    |
| 14) Acrylonitrile             | 3.11 | 53  | 177575 | 95.571 | ug/l 99    |
| 15) Acetone                   | 2.42 | 58  | 48103  | 97.825 | ug/l 96    |
| 16) Carbon Disulfide          | 2.55 | 76  | 159855 | 18.238 | ug/l 98    |
| 17) Allyl chloride            | 2.70 | 41  | 98857  | 18.497 | ug/l 96    |
| 18) Methylene Chloride        | 2.83 | 84  | 61772  | 19.139 | ug/l 100   |
| 19) trans-1,2-Dichloroethene  | 3.14 | 96  | 57647  | 18.294 | ug/l 97    |
| 20) Diisopropyl ether         | 3.82 | 45  | 191134 | 18.548 | ug/l # 88  |
| 21) 1,1-Dichloroethane        | 3.67 | 63  | 106037 | 18.454 | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.57 | 96  | 65465  | 18.307 | ug/l 100   |
| 23) tert-Butyl Alcohol        | 3.00 | 59  | 88012  | 96.767 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.17 | 73  | 197964 | 19.134 | ug/l 99    |
| 25) Chloroform                | 5.17 | 83  | 107699 | 18.455 | ug/l 98    |
| 26) Cyclohexane               | 5.55 | 56  | 95942  | 18.260 | ug/l # 99  |
| 29) 1,1-Dichloropropene       | 5.77 | 75  | 80232  | 18.189 | ug/l 99    |
| 30) 2-Butanone                | 4.63 | 43  | 253756 | 96.543 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 4.55 | 77  | 92502  | 17.425 | ug/l 99    |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 96280  | 17.993 | ug/l 99    |
| 33) Carbon Tetrachloride      | 5.75 | 117 | 85712  | 17.990 | ug/l 97    |
| 34) Benzene                   | 6.11 | 78  | 237246 | 18.414 | ug/l 98    |
| 35) Methacrylonitrile         | 5.00 | 41  | 53715  | 19.244 | ug/l 94    |
| 36) 1,2-Dichloroethane        | 6.16 | 62  | 92812  | 18.863 | ug/l 98    |
| 37) Trichloroethene           | 7.19 | 130 | 87453  | 19.080 | ug/l 98    |
| 38) Methylcyclohexane         | 7.44 | 83  | 98717  | 18.312 | ug/l 100   |
| 39) 1,2-Dichloropropane       | 7.49 | 63  | 61973  | 18.738 | ug/l 98    |
| 40) Dibromomethane            | 7.64 | 93  | 42725  | 18.604 | ug/l 99    |

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 ALS Vial : 8 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 30 12:42:44 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.87  | 83   | 85670    | 18.095  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.78  | 43   | 813462   | 93.547  | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.79  | 43   | 98380    | 18.975  | ug/l  | 99       |
| 44) Isopropyl Acetate          | 6.41  | 43   | 157911   | 18.768  | ug/l  | 99       |
| 45) 1,4-Dioxane                | 7.71  | 88   | 34325    | 386.222 | ug/l  | 99       |
| 46) Methyl methacrylate        | 7.74  | 41   | 74278    | 18.622  | ug/l  | 94       |
| 47) n-amyl Acetate             | 10.88 | 43   | 131899   | 17.928  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene      | 9.02  | 75   | 100505   | 18.281  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 8.42  | 75   | 104061   | 18.320  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane      | 9.20  | 97   | 59488    | 18.381  | ug/l  | 98       |
| 51) Ethyl methacrylate         | 9.16  | 69   | 98433    | 18.419  | ug/l  | 96       |
| 52) 1,3-Dichloropropane        | 9.35  | 76   | 106311   | 19.003  | ug/l  | 99       |
| 53) Dibromochloromethane       | 9.57  | 129  | 66827    | 18.150  | ug/l  | 98       |
| 54) 1,2-Dibromoethane          | 9.65  | 107  | 64671    | 18.182  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.29  | 63   | 267747   | 92.093  | ug/l  | 100      |
| 56) Bromoform                  | 10.84 | 173  | 48070    | 17.327  | ug/l  | 98       |
| 58) 4-Methyl-2-Pentanone       | 8.62  | 43   | 484454   | 94.320  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 370683   | 93.432  | ug/l  | 99       |
| 61) Tetrachloroethene          | 9.32  | 164  | 94697    | 18.380  | ug/l  | 96       |
| 62) Toluene                    | 8.76  | 91   | 255436   | 18.357  | ug/l  | 100      |
| 64) Chlorobenzene              | 10.12 | 112  | 158556   | 17.896  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 59718    | 17.755  | ug/l  | 99       |
| 66) Ethyl Benzene              | 10.24 | 91   | 287088   | 18.119  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.34 | 106  | 218784   | 36.246  | ug/l  | 98       |
| 68) o-Xylene                   | 10.68 | 106  | 104927   | 18.026  | ug/l  | 98       |
| 69) Styrene                    | 10.70 | 104  | 175905   | 17.657  | ug/l  | 100      |
| 70) Isopropylbenzene           | 11.00 | 105  | 279172   | 17.764  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 45358    | 15.526  | ug/l  | 98       |
| 72) 1,2,3-Trichloropropane     | 11.28 | 75   | 118093   | 24.958  | ug/l  | 82       |
| 73) Bromobenzene               | 11.24 | 156  | 71996    | 18.180  | ug/l  | 100      |
| 74) n-propylbenzene            | 11.34 | 91   | 325106   | 17.810  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 11.40 | 91   | 189679   | 17.683  | ug/l  | 98       |
| 76) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 234603   | 17.587  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.06 | 75   | 34935    | 17.171  | ug/l  | 99       |
| 78) 4-Chlorotoluene            | 11.49 | 91   | 226236   | 17.818  | ug/l  | 100      |
| 79) tert-butylbenzene          | 11.76 | 119  | 200943   | 17.638  | ug/l  | 98       |
| 80) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 237279   | 17.804  | ug/l  | 99       |
| 81) sec-Butylbenzene           | 11.93 | 105  | 271545   | 17.672  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.05 | 119  | 251847   | 17.686  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 12.01 | 146  | 126254   | 17.683  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 12.08 | 146  | 127566   | 17.981  | ug/l  | 100      |
| 85) n-Butylbenzene             | 12.37 | 91   | 228768   | 17.588  | ug/l  | 98       |
| 86) Hexachloroethane           | 12.58 | 117  | 42947    | 17.132  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene        | 12.38 | 146  | 123403   | 17.871  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 22032    | 18.022  | ug/l  | 96       |
| 89) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 87675    | 17.238  | ug/l  | 97       |
| 90) Hexachlorobutadiene        | 13.77 | 225  | 40335    | 18.452  | ug/l  | 98       |
| 91) Naphthalene                | 13.82 | 128  | 292792   | 18.082  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 88778    | 18.169  | ug/l  | 97       |

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Acq On : 01 May 2020 14:00  
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Sample : VX0501WBSD02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

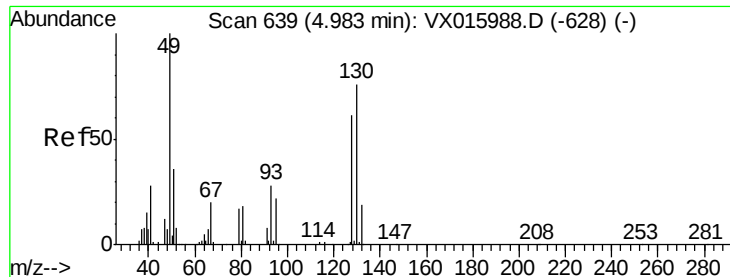
Quant Time: May 02 06:51:26 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Apr 30 12:42:44 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

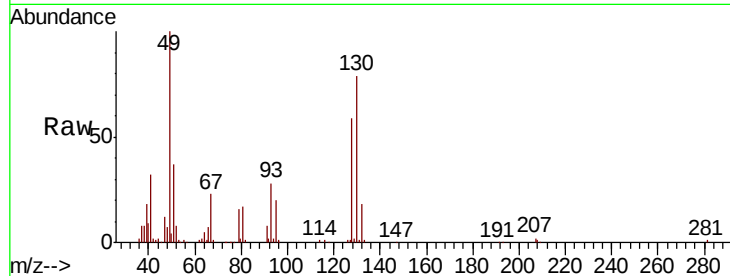
Tot Ion:128 Resp: 50349

Ion Ratio Lower Upper

128 100

49 167.4 0.0 418.5

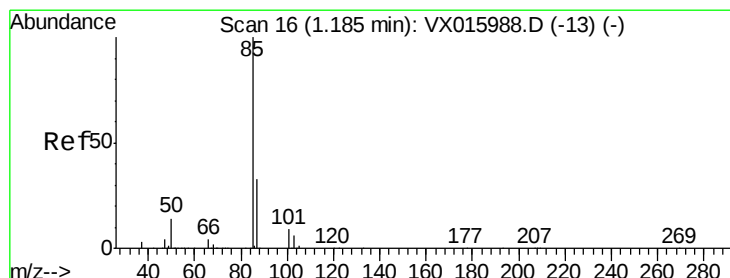
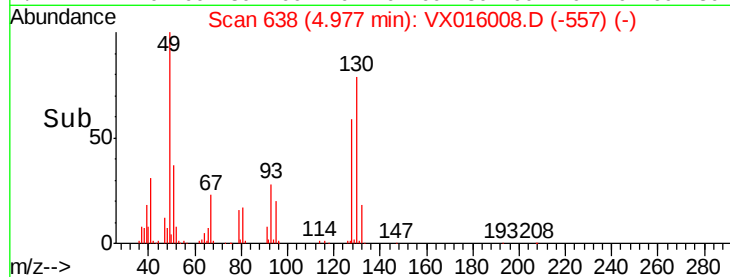
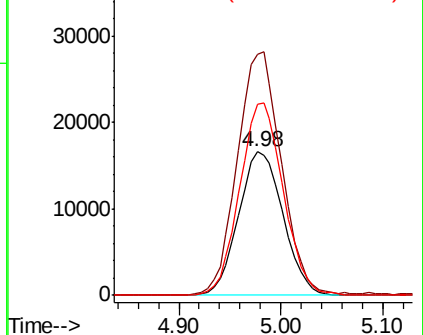
130 131.2 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.379 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016008.D

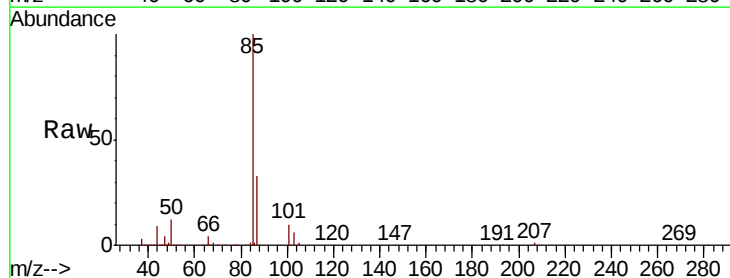
Acq: 01 May 2020 14:00

Tgt Ion: 85 Resp: 67207

Ion Ratio Lower Upper

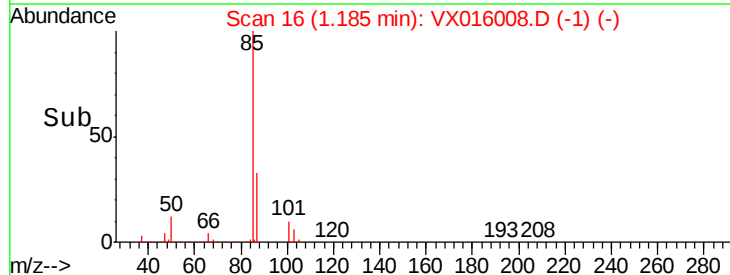
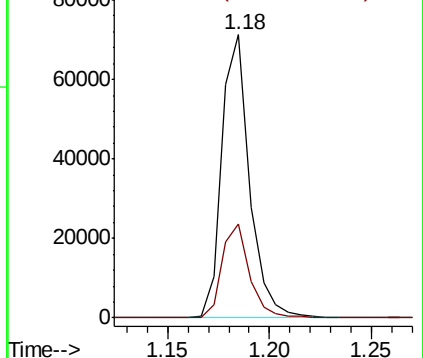
85 100

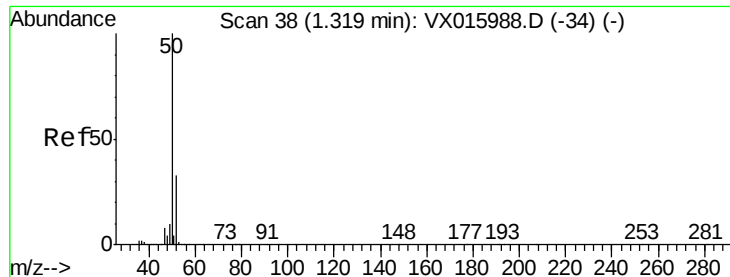
87 33.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.687 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

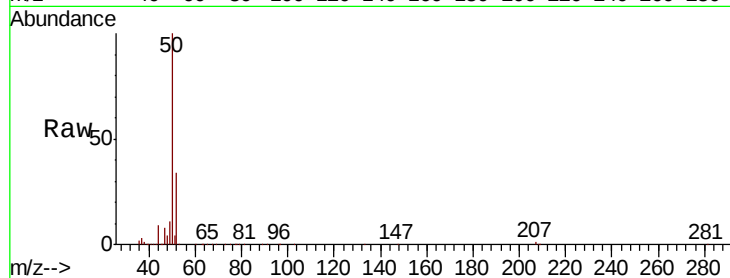
VX0501WBSD02

Tot Ion: 50 Resp: 63497

Ion Ratio Lower Upper

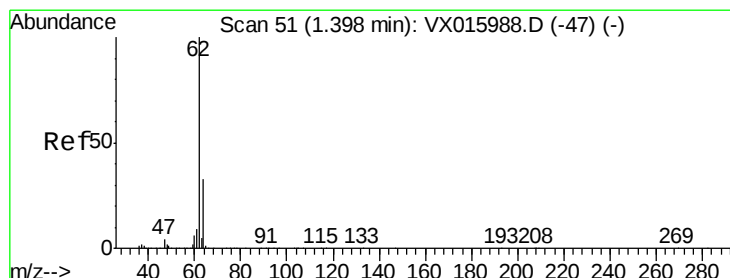
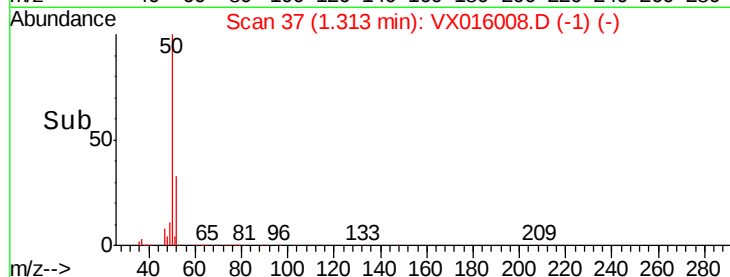
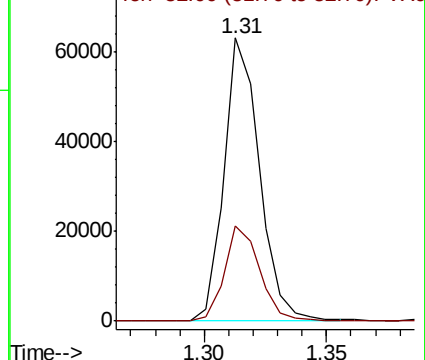
50 100

52 33.5 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.433 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX016008.D

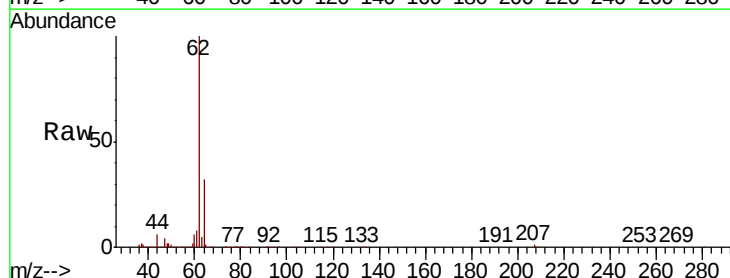
Acq: 01 May 2020 14:00

Tgt Ion: 62 Resp: 71162

Ion Ratio Lower Upper

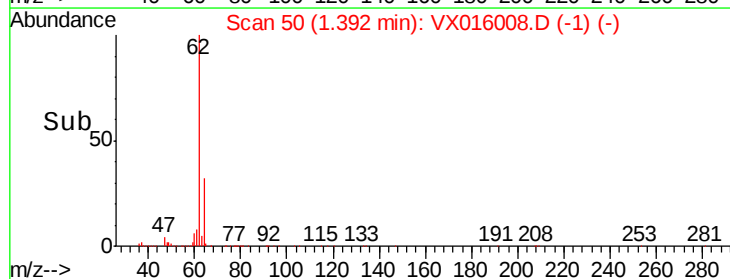
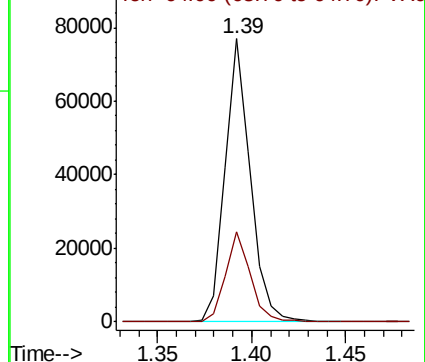
62 100

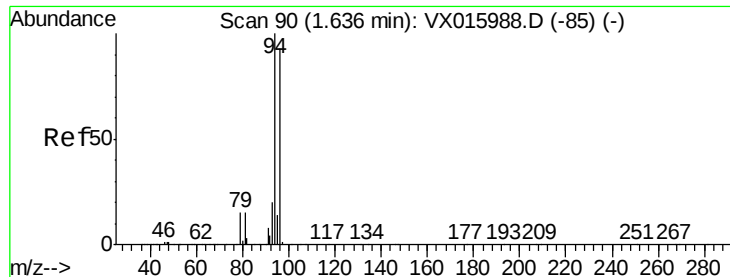
64 32.0 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.511 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

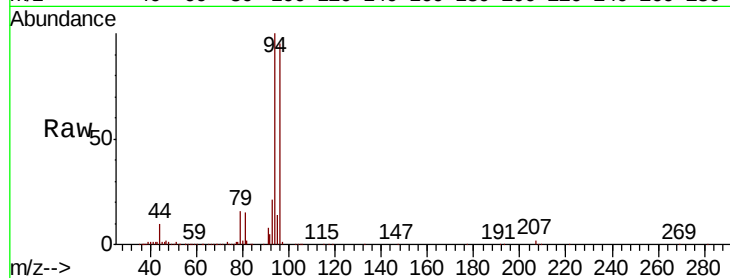
VX0501WBSD02

Tot Ion: 94 Resp: 48534

Ion Ratio Lower Upper

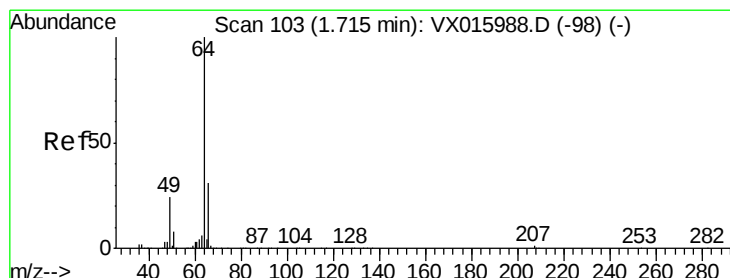
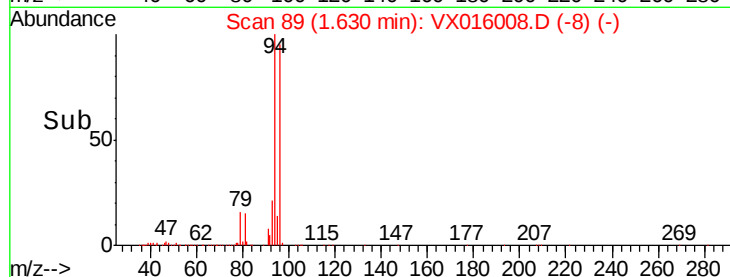
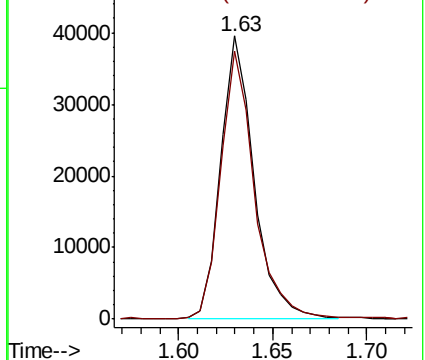
94 100

96 94.6 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.135 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016008.D

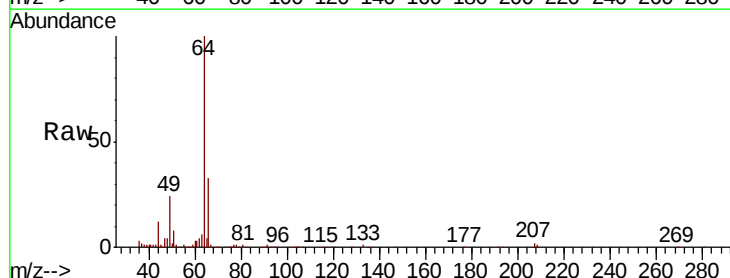
Acq: 01 May 2020 14:00

Tgt Ion: 64 Resp: 45896

Ion Ratio Lower Upper

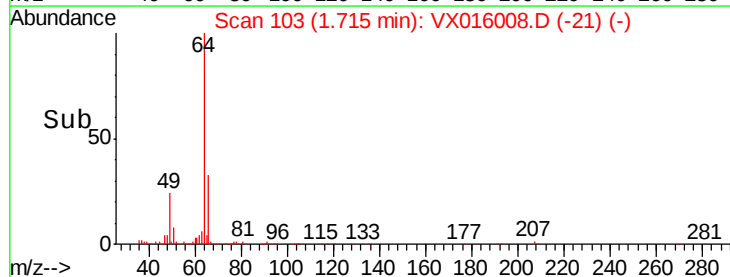
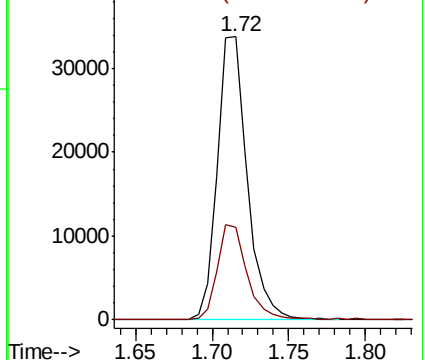
64 100

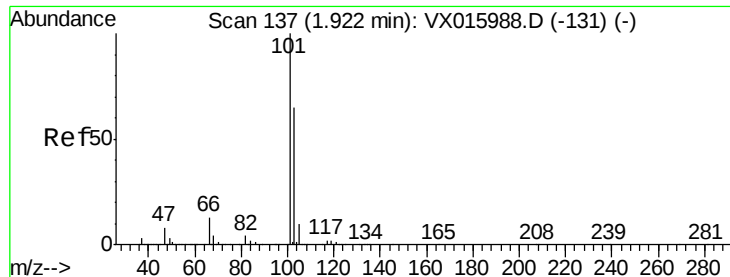
66 32.3 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



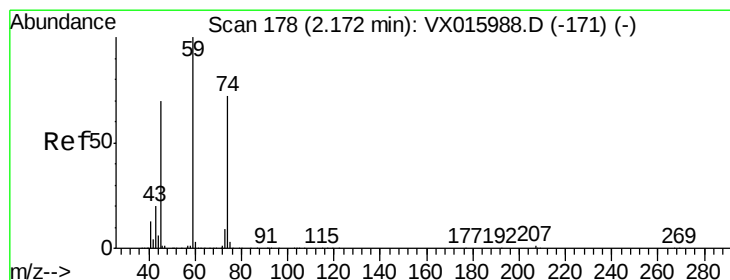
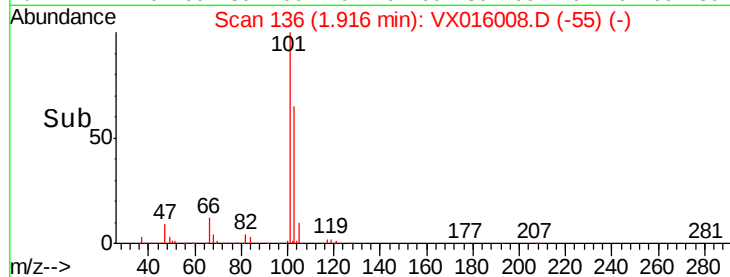
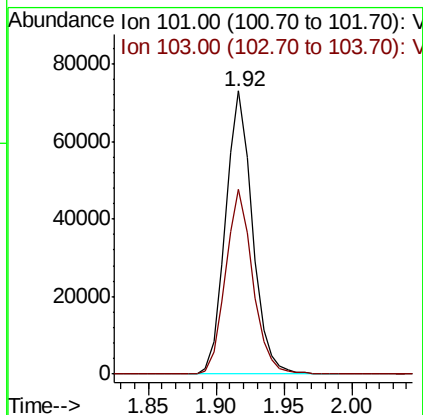
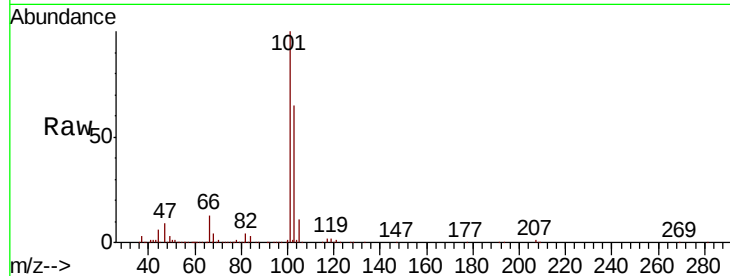


#7

Trichlorofluoromethane  
 Concen: 18.119 ug/l  
 RT: 1.92 min Scan# 136  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

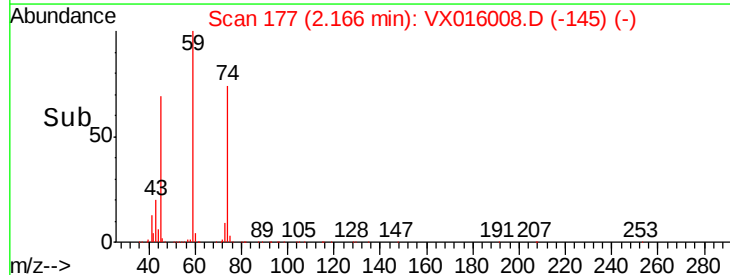
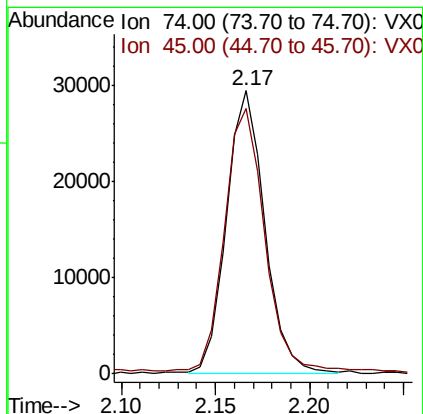
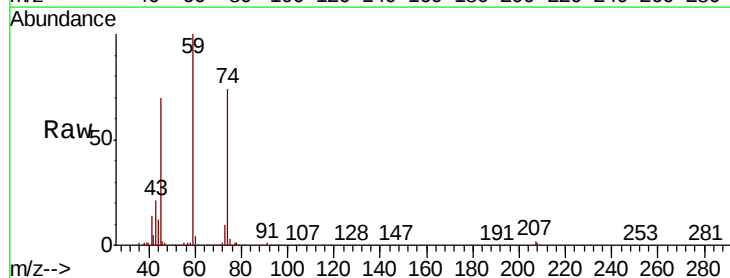
Tot Ion:101 Resp: 100193  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 51.8 77.8

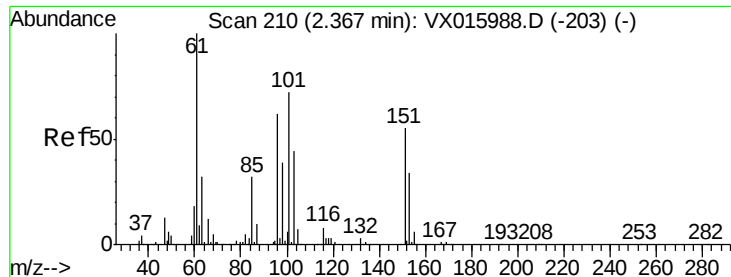


#8

Diethyl Ether  
 Concen: 18.717 ug/l  
 RT: 2.17 min Scan# 177  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Tgt Ion: 74 Resp: 41310  
 Ion Ratio Lower Upper  
 74 100  
 45 98.6 19.4 174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.747 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

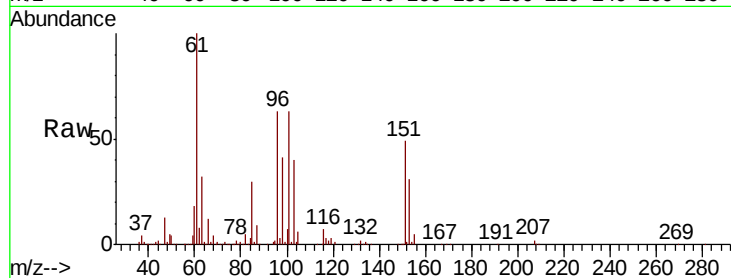
Tot Ion:101 Resp: 53534

Ion Ratio Lower Upper

101 100

85 44.2 0.0 90.6

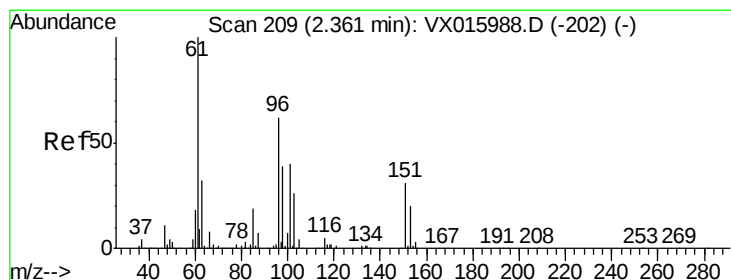
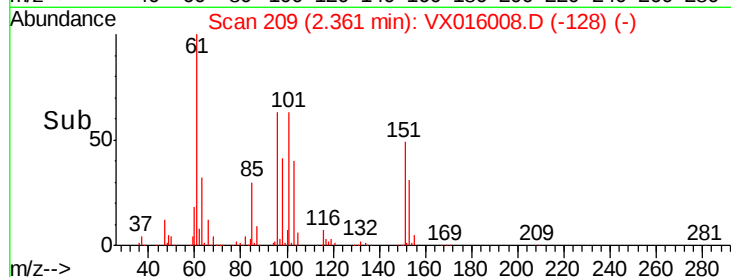
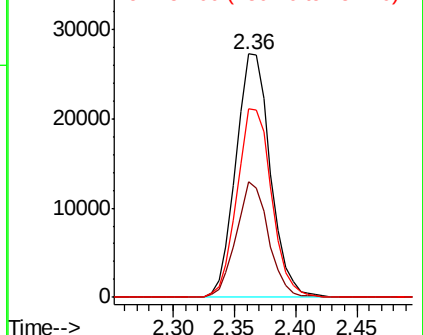
151 77.8 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.359 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

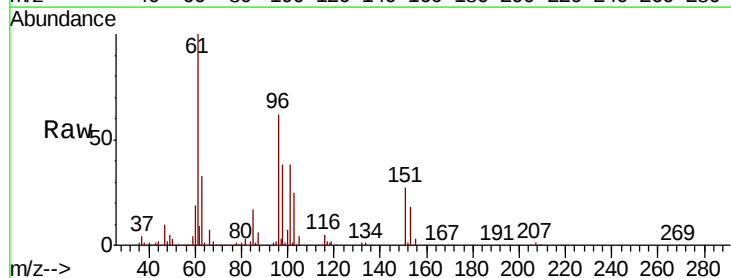
Tgt Ion: 96 Resp: 52893

Ion Ratio Lower Upper

96 100

61 161.4 129.8 194.8

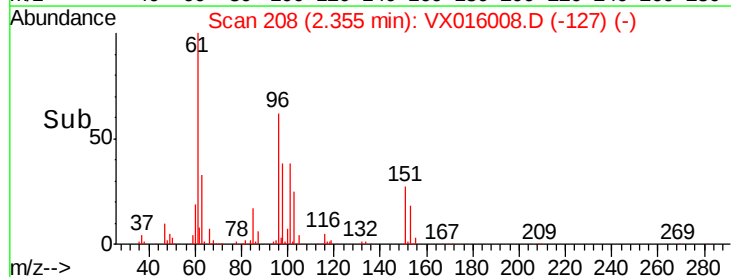
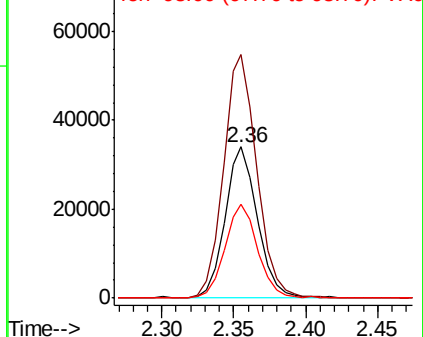
98 62.1 51.1 76.7

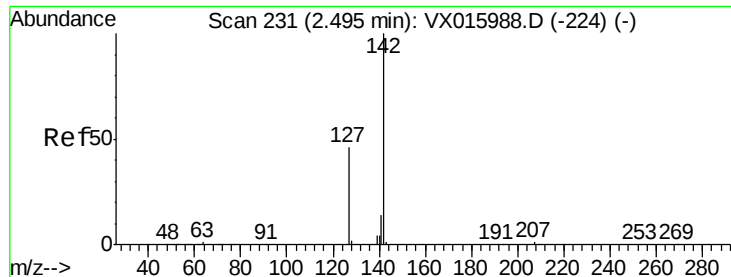


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

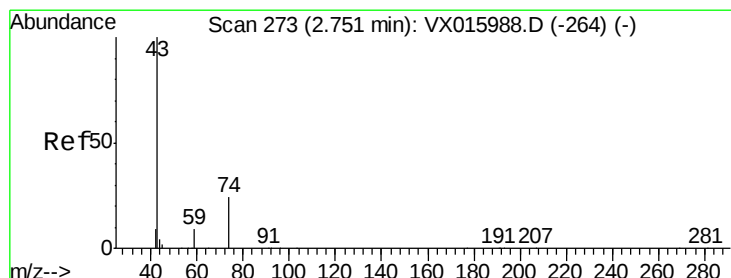
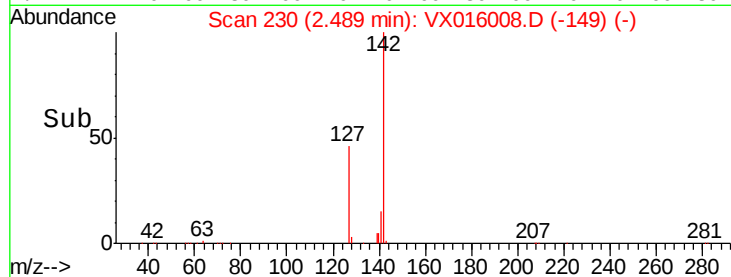
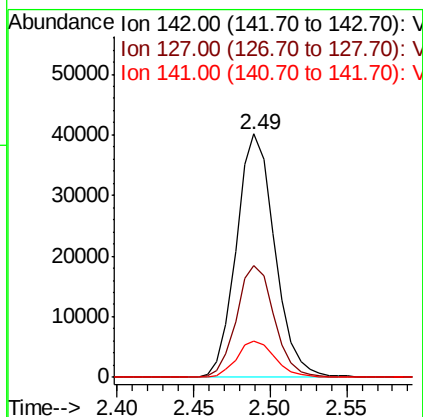
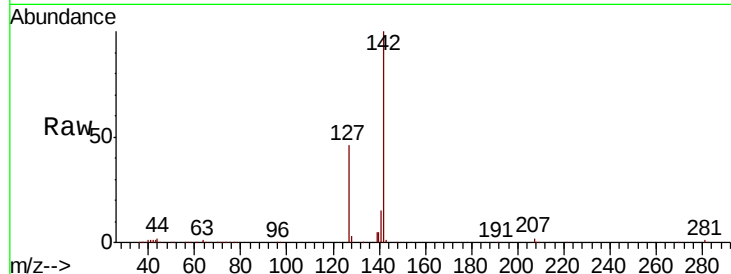




#11  
Methvl Iodide  
Concen: 17.787 ug/l  
RT: 2.49 min Scan# 230  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

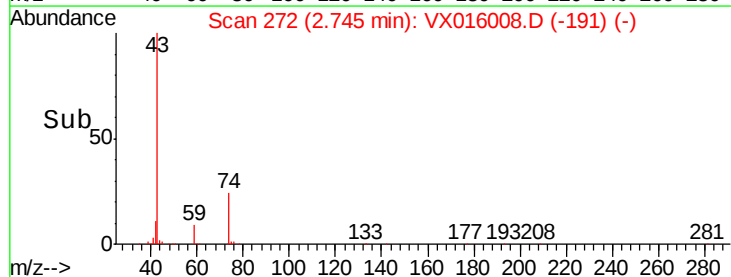
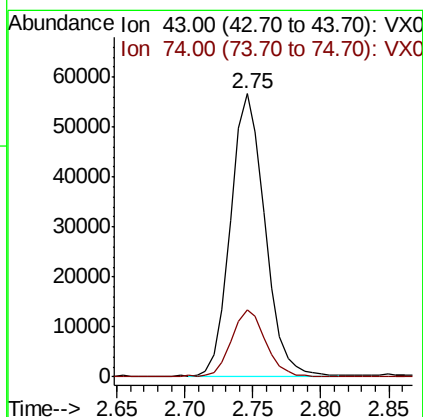
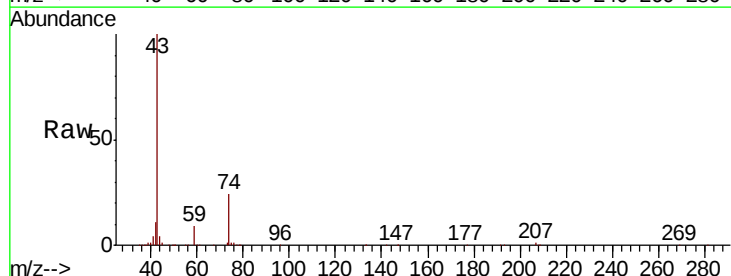
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

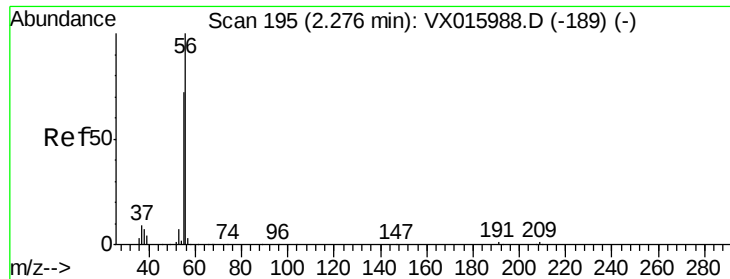
Tot Ion:142 Resp: 69960  
Ion Ratio Lower Upper  
142 100  
127 46.0 22.8 68.4  
141 15.1 7.0 21.1



#12  
Methyl Acetate  
Concen: 19.801 ug/l  
RT: 2.75 min Scan# 272  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 43 Resp: 99604  
Ion Ratio Lower Upper  
43 100  
74 23.6 19.0 28.4





#13

Acrolein

Concen: 76.910 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

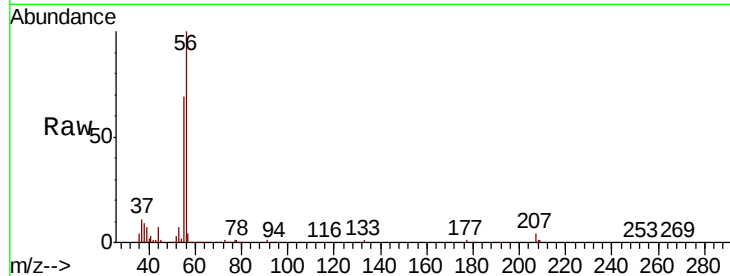
VX0501WBSD02

Tot Ion: 56 Resp: 31014

Ion Ratio Lower Upper

56 100

55 73.1 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

20000

15000

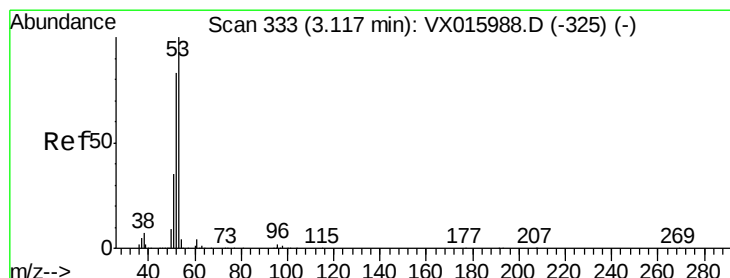
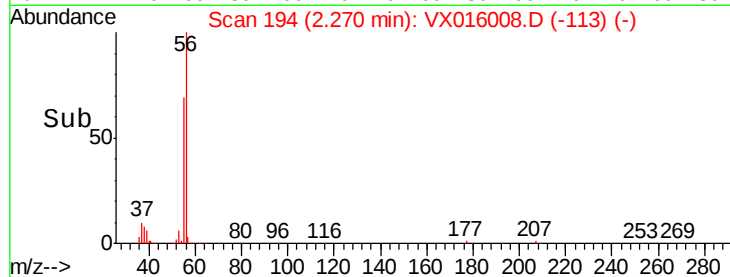
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 95.571 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

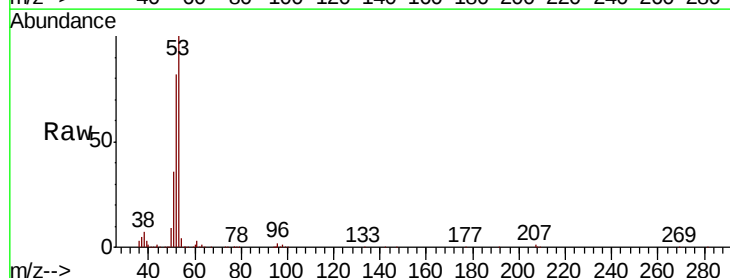
Tgt Ion: 53 Resp: 177575

Ion Ratio Lower Upper

53 100

52 81.5 41.2 123.6

51 36.2 17.8 53.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

120000

100000

80000

60000

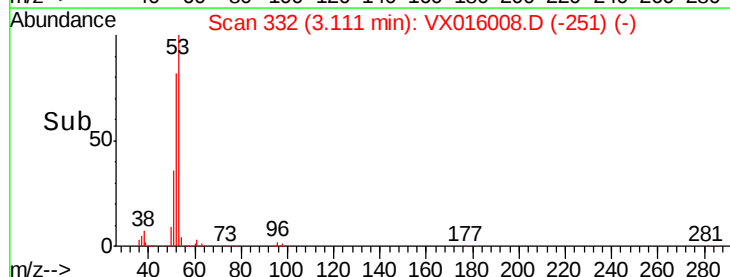
40000

20000

0

Time-->

3.00 3.10 3.20





#15

Acetone

Concen: 97.825 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

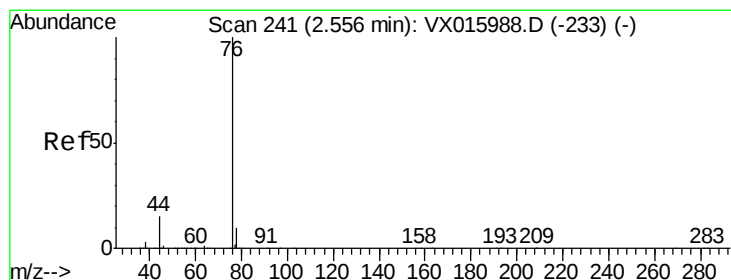
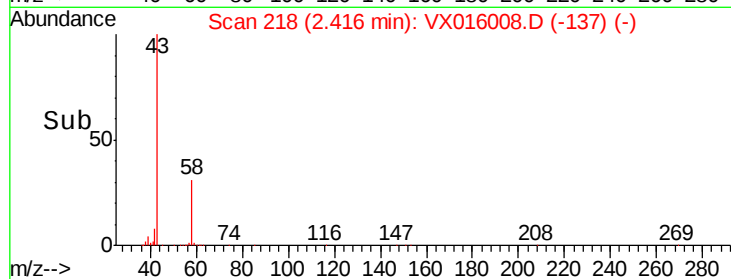
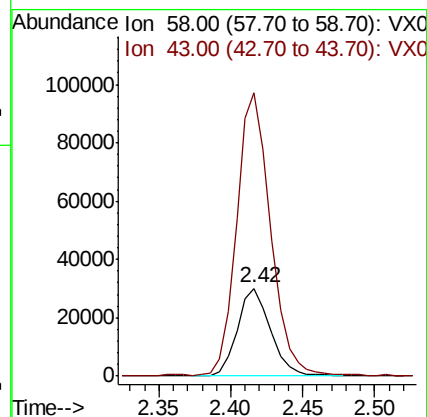
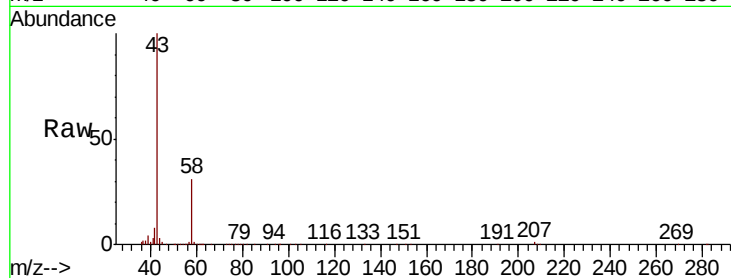
VX0501WBSD02

Tot Ion: 58 Resp: 48103

Ion Ratio Lower Upper

58 100

43 321.6 264.2 396.2



#16

Carbon Disulfide

Concen: 18.238 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016008.D

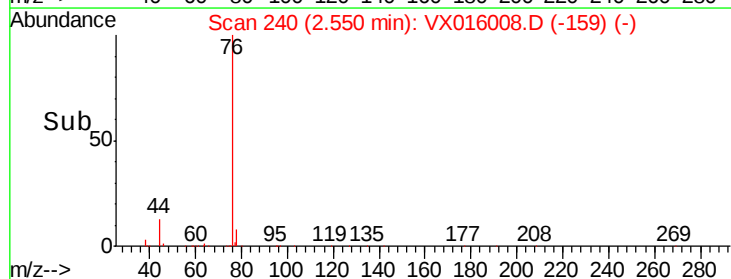
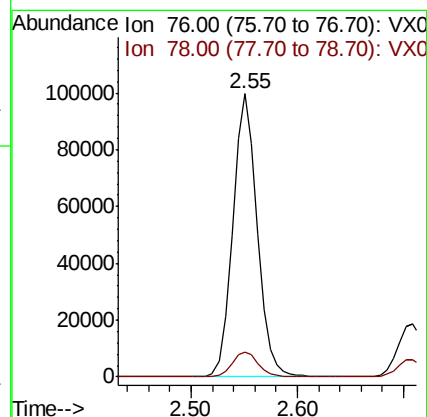
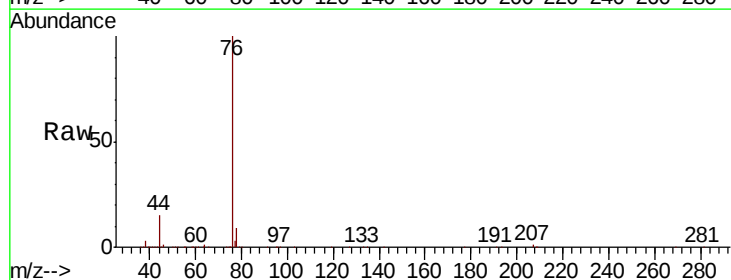
Acq: 01 May 2020 14:00

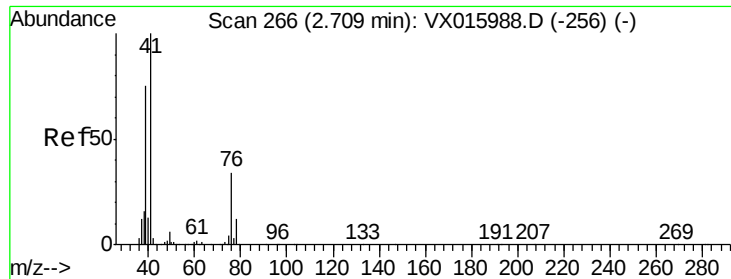
Tgt Ion: 76 Resp: 159855

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

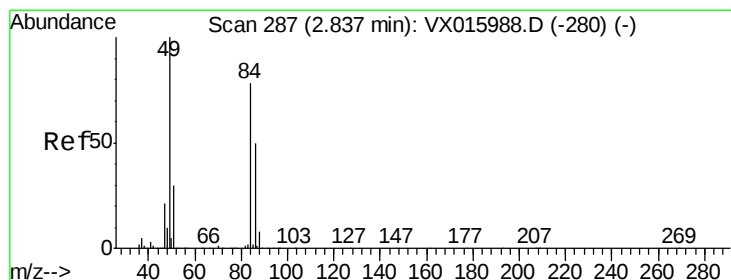
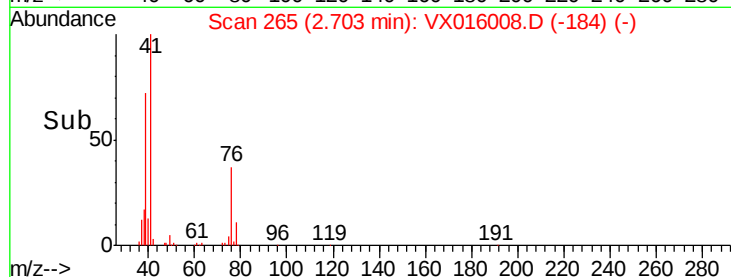
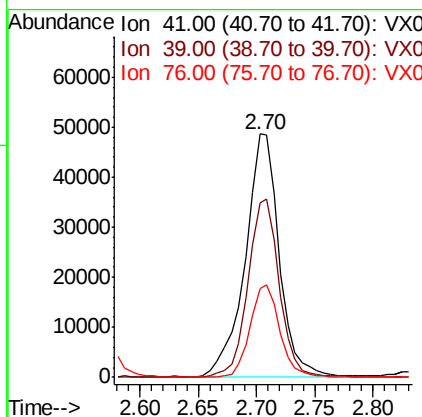
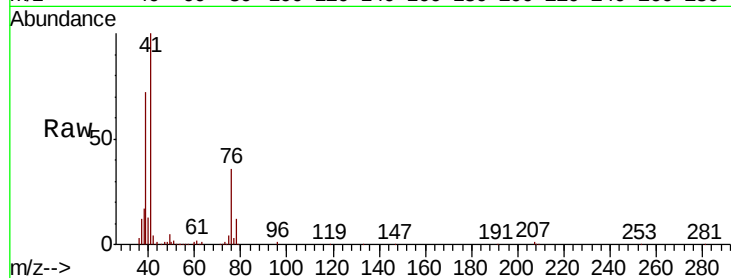




#17  
Allvl chloride  
Concen: 18.497 ug/l  
RT: 2.70 min Scan# 265  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

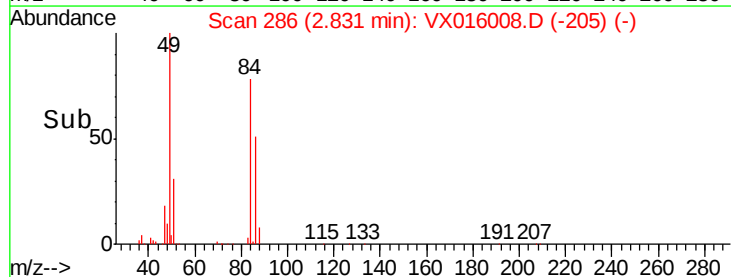
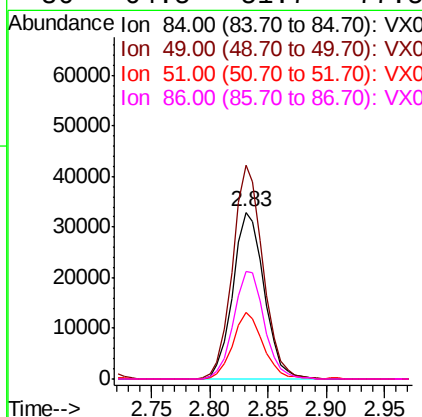
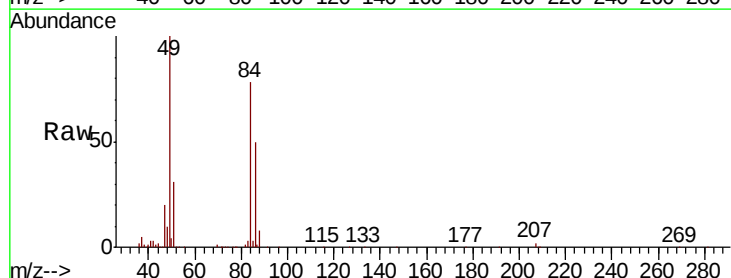
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

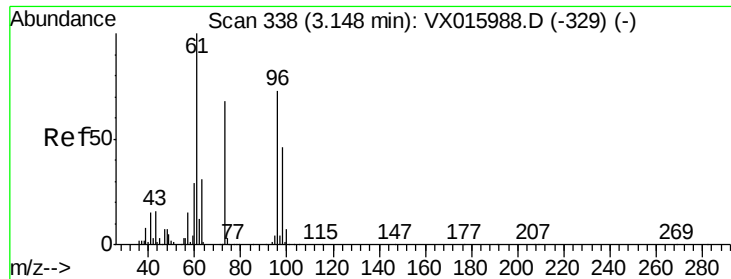
Tot Ion: 41 Resp: 98857  
Ion Ratio Lower Upper  
41 100  
39 71.6 37.6 112.8  
76 36.4 17.2 51.5



#18  
Methylene Chloride  
Concen: 19.139 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 84 Resp: 61772  
Ion Ratio Lower Upper  
84 100  
49 128.3 103.0 154.4  
51 39.5 31.4 47.0  
86 64.5 51.7 77.5

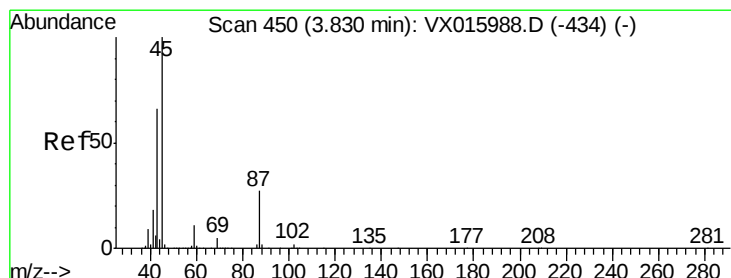
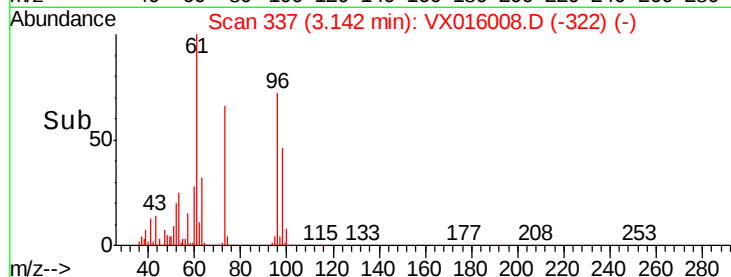
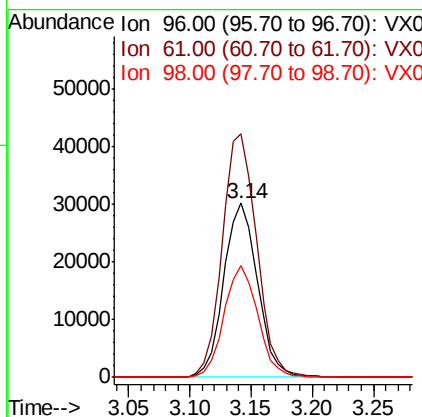
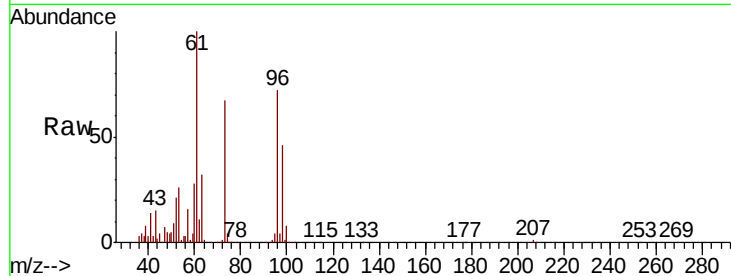




#19  
trans-1,2-Dichloroethene  
Concen: 18.294 ug/l  
RT: 3.14 min Scan# 337  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

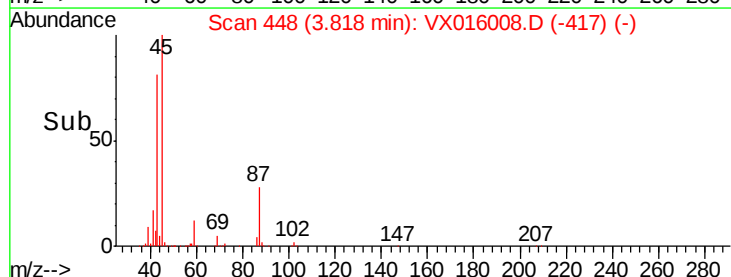
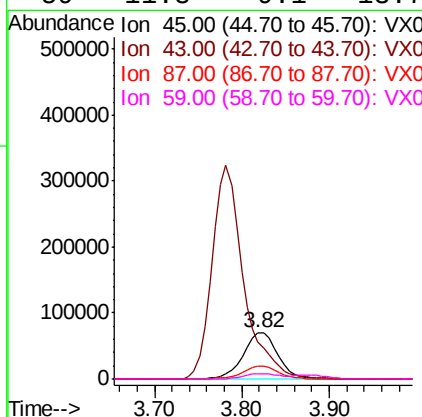
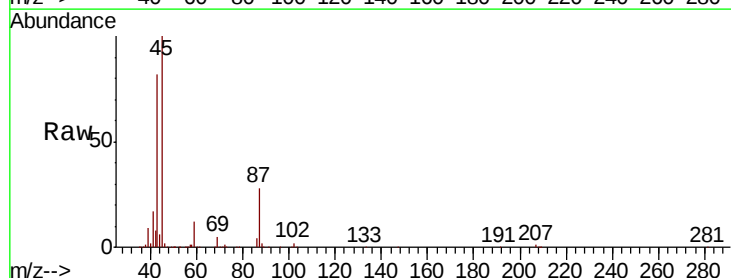
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

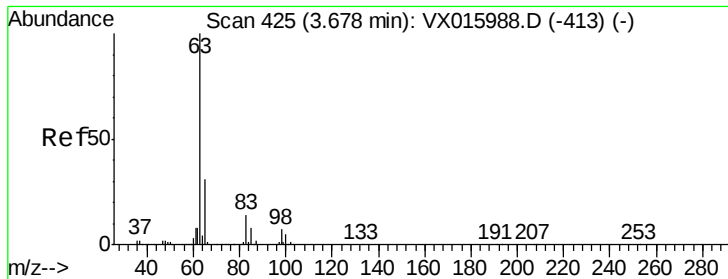
Tot Ion: 96 Resp: 57647  
Ion Ratio Lower Upper  
96 100  
61 139.9 109.0 163.4  
98 64.5 50.0 75.0



#20  
Diisopropyl ether  
Concen: 18.548 ug/l  
RT: 3.82 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 45 Resp: 191134  
Ion Ratio Lower Upper  
45 100  
43 80.7 53.0 79.4#  
87 27.9 21.9 32.9  
59 11.8 9.1 13.7





#21

1,1-Dichloroethane

Concen: 18.454 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

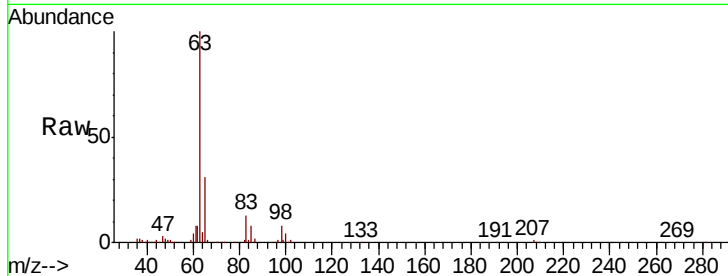
Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

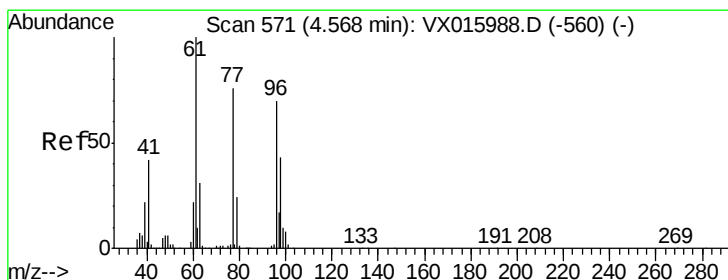
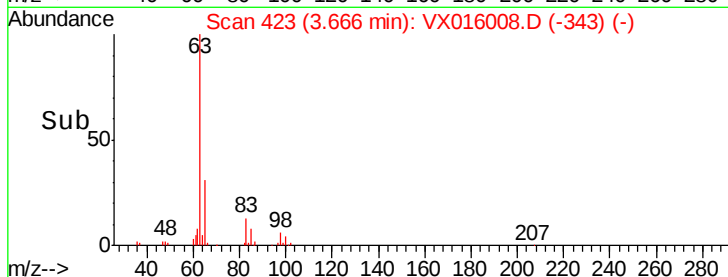
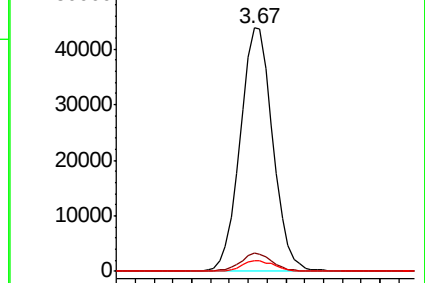
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 63    | Resp: | 106037 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 7.6   | 3.5   | 10.4   |
| 100      | 4.4   | 2.3   | 6.9    |



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 18.307 ug/l

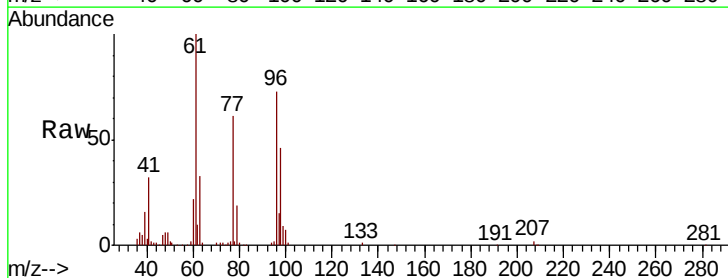
RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

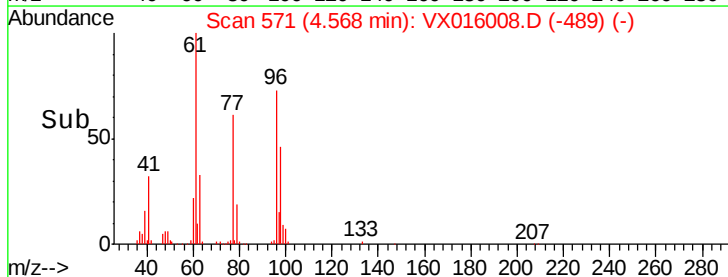
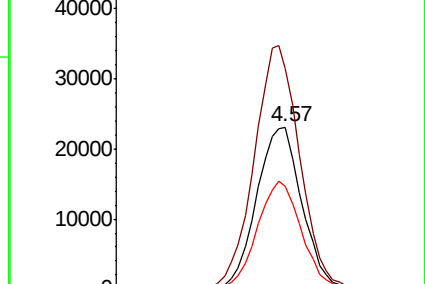
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 65465 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 151.6 | 121.6 | 182.4 |
| 98       | 65.0  | 51.9  | 77.9  |

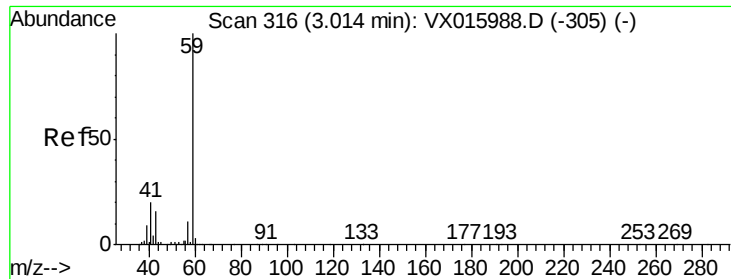


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



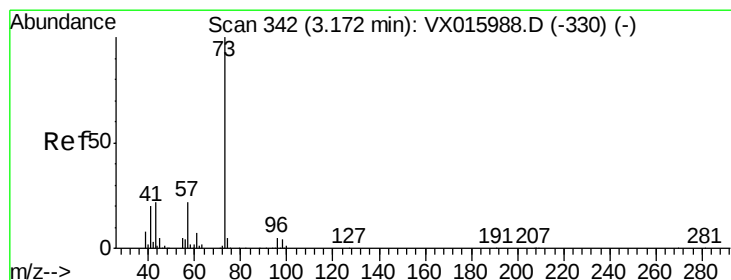
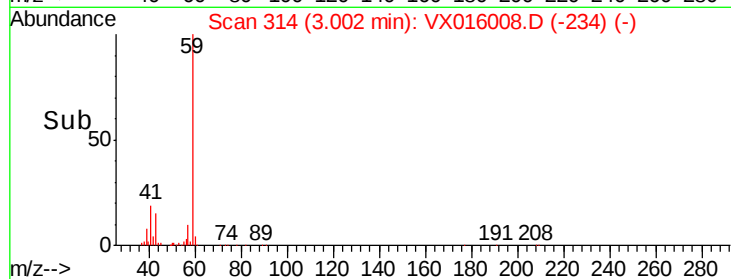
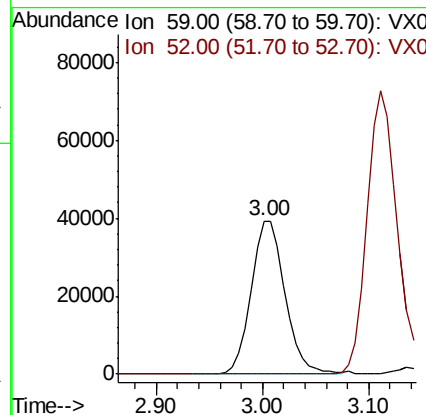
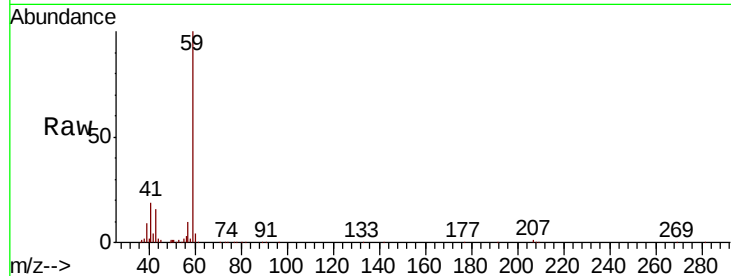


#23

tert-Butyl Alcohol  
 Concen: 96.767 ug/l  
 RT: 3.00 min Scan# 314  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

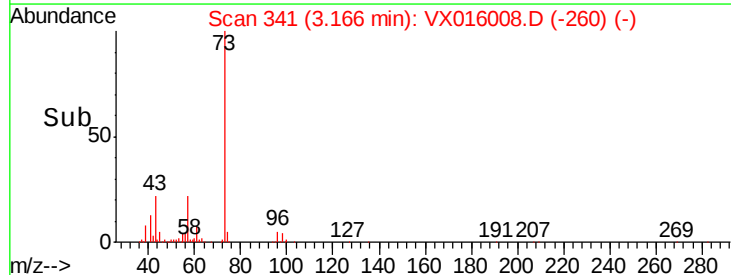
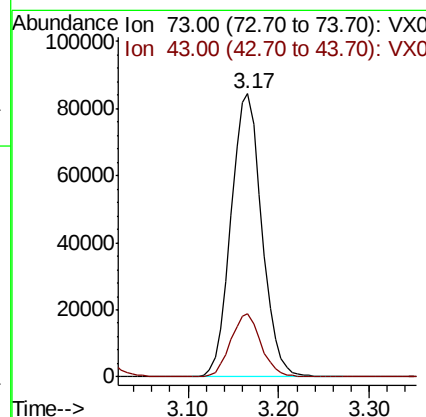
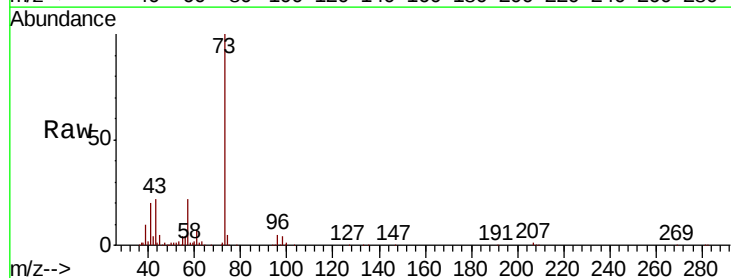
Tot Ion: 59 Resp: 88012  
 Ion Ratio Lower Upper  
 59 100  
 52 0.3 0.1 0.1#

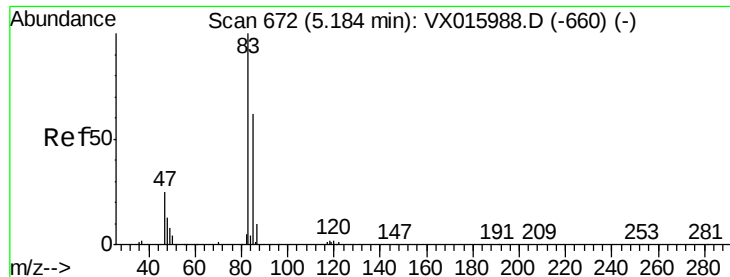


#24

Methyl tert-Butyl Ether  
 Concen: 19.134 ug/l  
 RT: 3.17 min Scan# 341  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Tgt Ion: 73 Resp: 197964  
 Ion Ratio Lower Upper  
 73 100  
 43 21.9 17.8 26.6

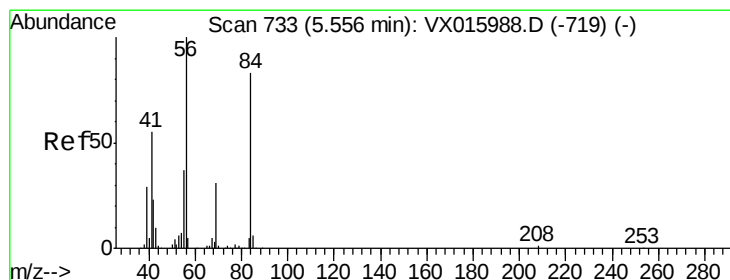
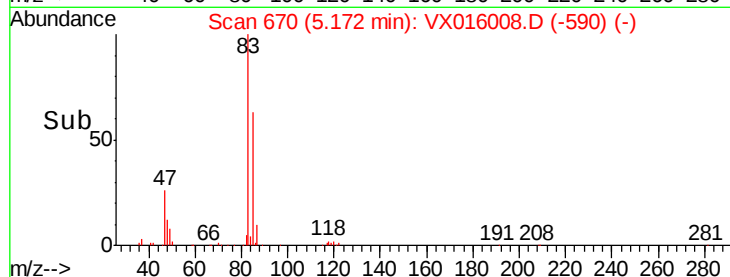
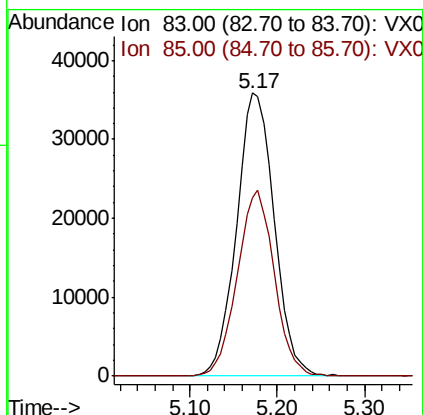
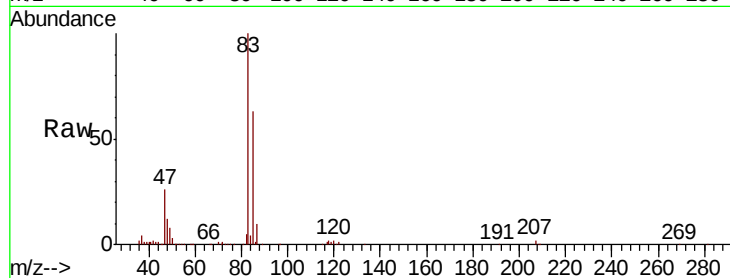




#25  
Chloroform  
Concen: 18.455 ug/l  
RT: 5.17 min Scan# 670  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

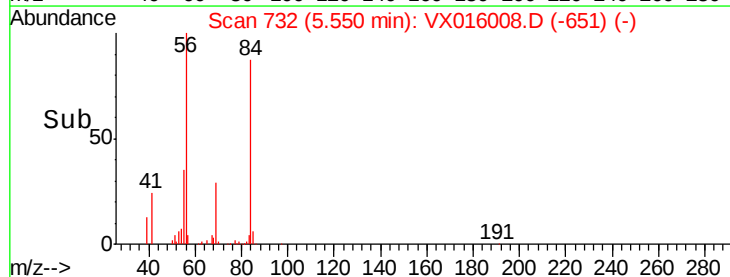
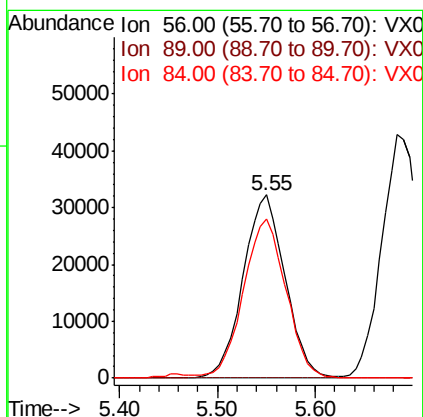
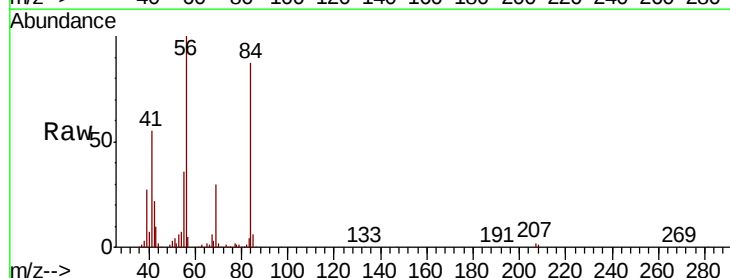
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

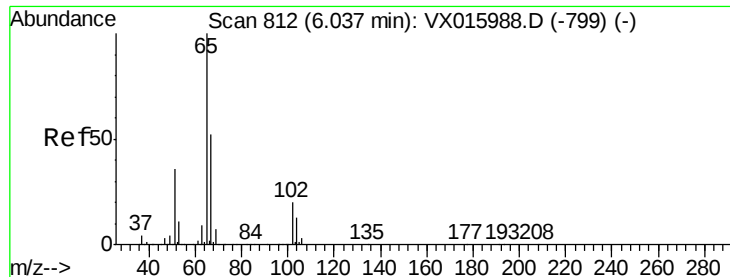
Tot Ion: 83 Resp: 107699  
Ion Ratio Lower Upper  
83 100  
85 63.2 49.6 74.4



#26  
Cyclohexane  
Concen: 18.260 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 56 Resp: 95942  
Ion Ratio Lower Upper  
56 100  
89 0.1 0.1 0.1#  
84 88.4 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.780 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

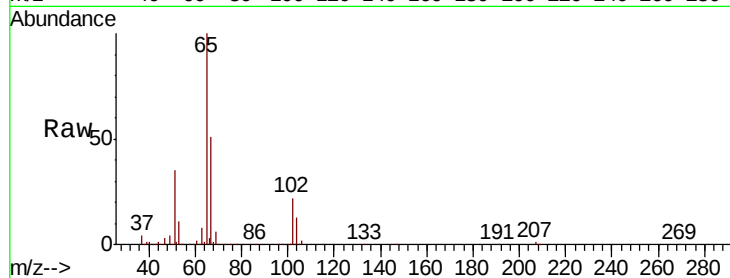
VX0501WBSD02

Tot Ion: 65 Resp: 119101

Ion Ratio Lower Upper

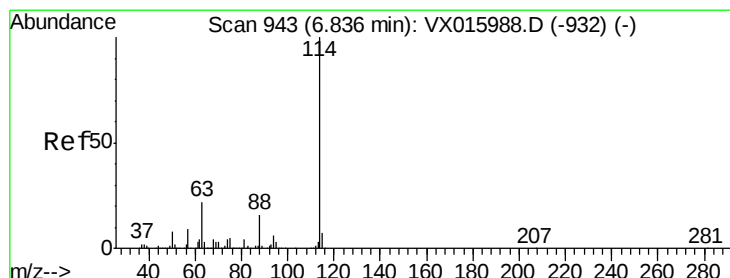
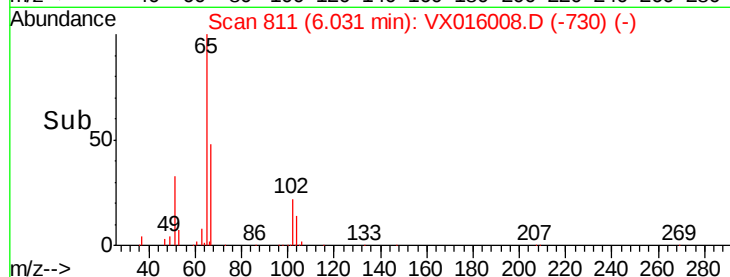
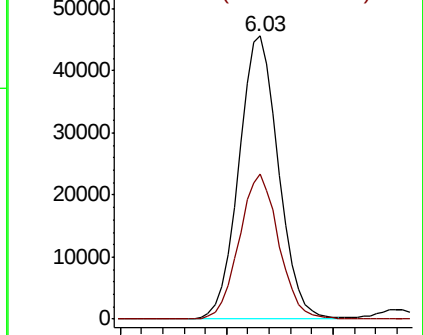
65 100

67 51.1 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

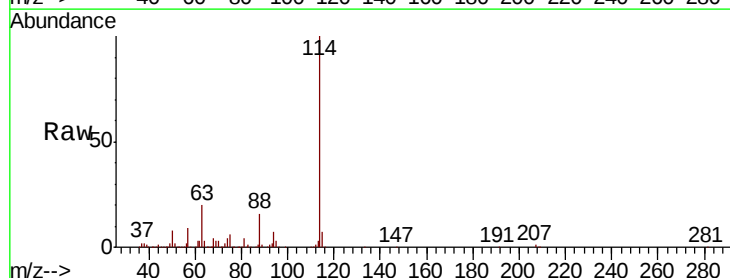
Tgt Ion: 114 Resp: 280469

Ion Ratio Lower Upper

114 100

63 20.8 17.1 25.7

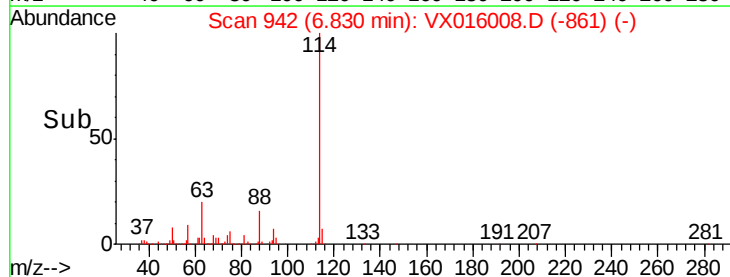
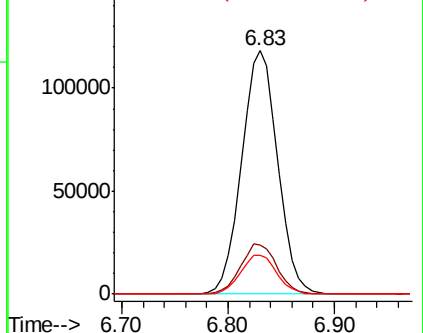
88 16.1 13.0 19.4

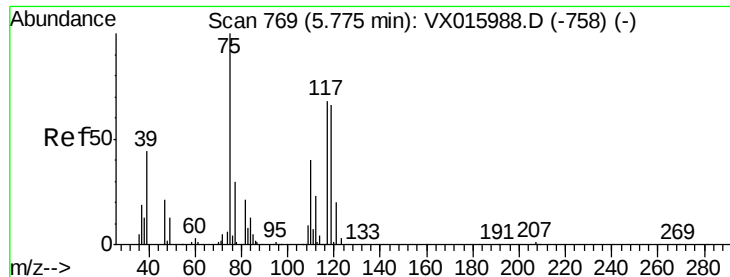


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.189 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

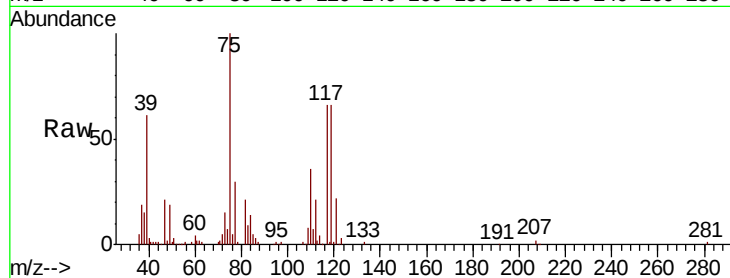
Tot Ion: 75 Resp: 80232

Ion Ratio Lower Upper

75 100

110 36.4 0.0 71.0

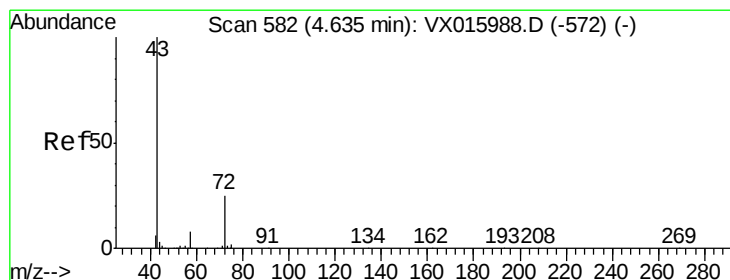
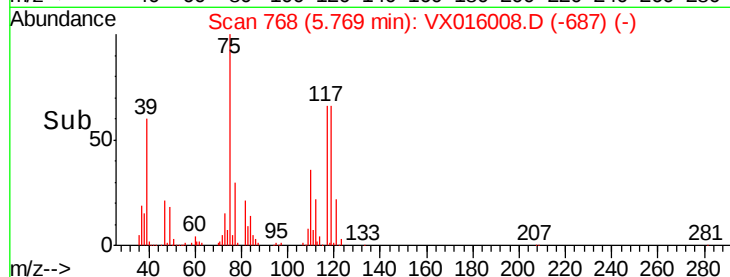
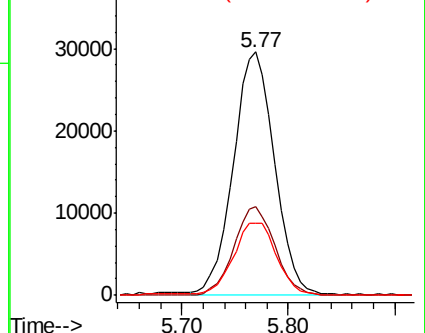
77 31.5 0.0 64.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 96.543 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

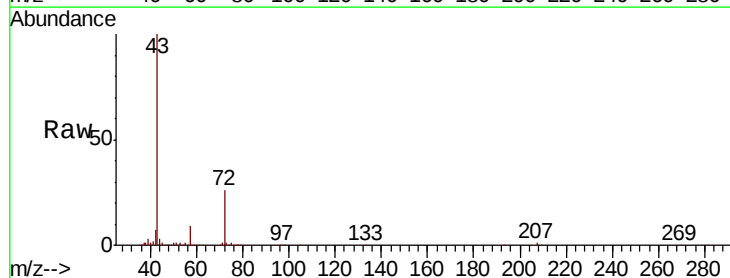
Tgt Ion: 43 Resp: 253756

Ion Ratio Lower Upper

43 100

57 8.3 6.3 9.5

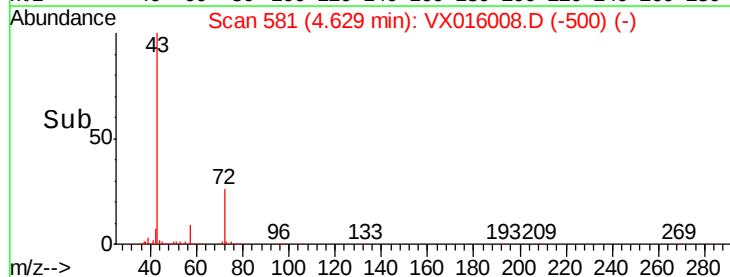
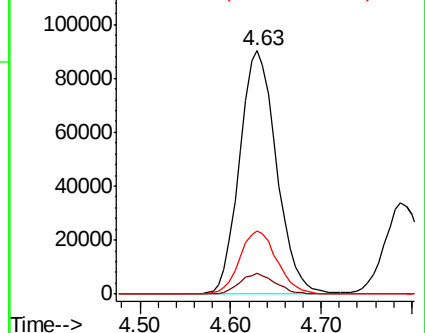
72 26.3 20.8 31.2

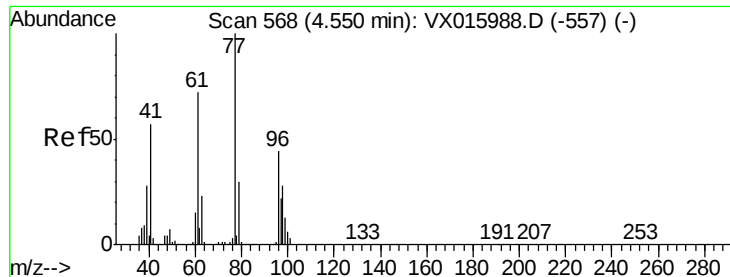


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 17.425 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

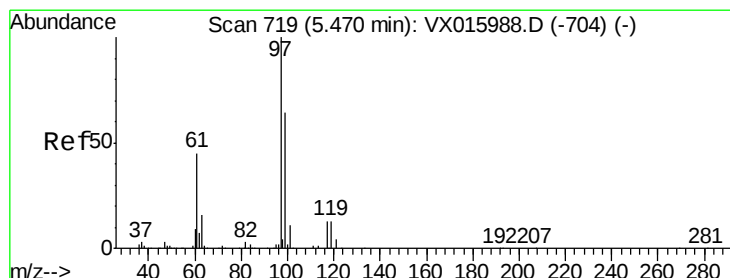
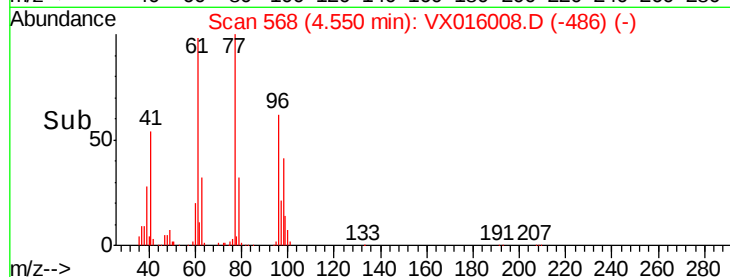
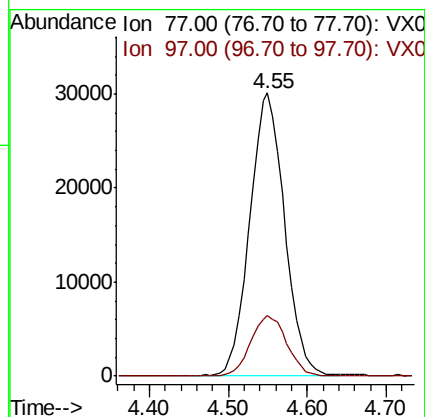
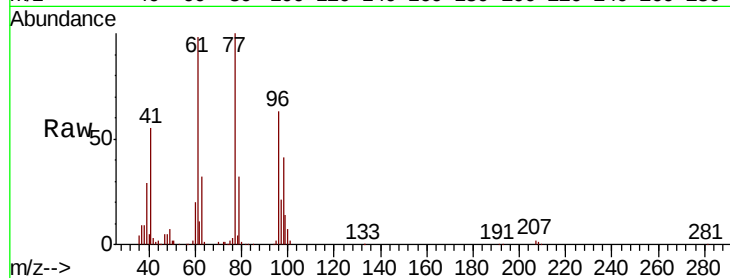
VX0501WBSD02

Tot Ion: 77 Resp: 92502

Ion Ratio Lower Upper

77 100

97 22.0 17.8 26.8



#32

1,1,1-Trichloroethane

Concen: 17.993 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

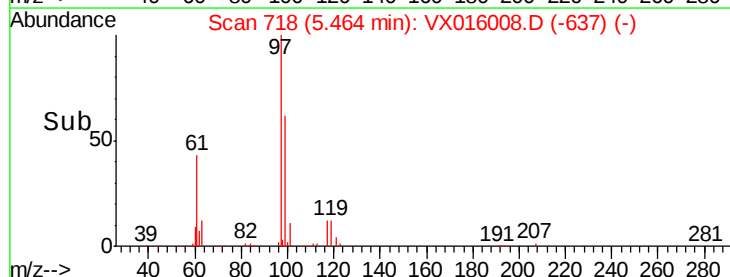
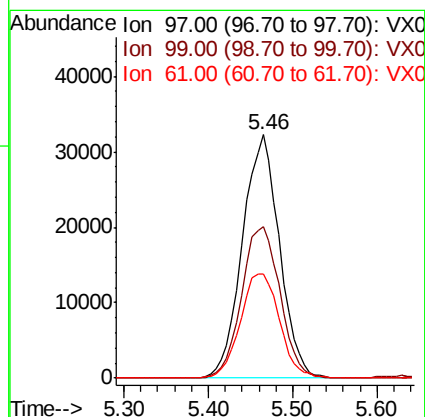
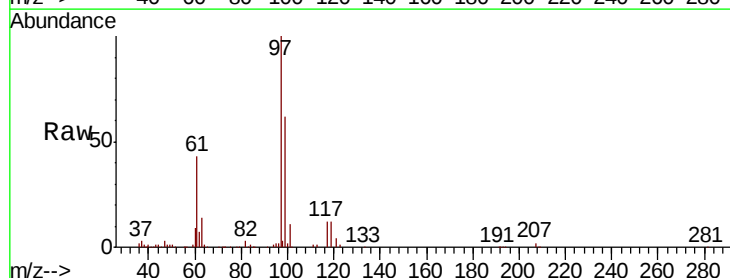
Tgt Ion: 97 Resp: 96280

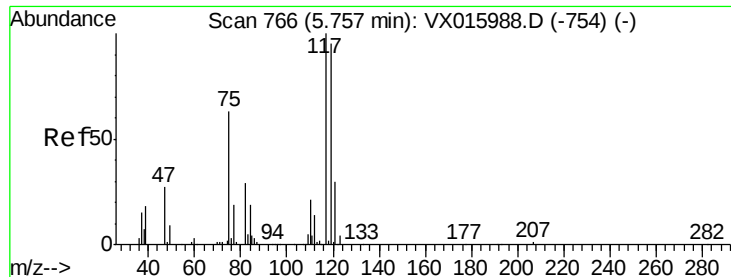
Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 45.2 35.9 53.9





#33

Carbon Tetrachloride

Concen: 17.990 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

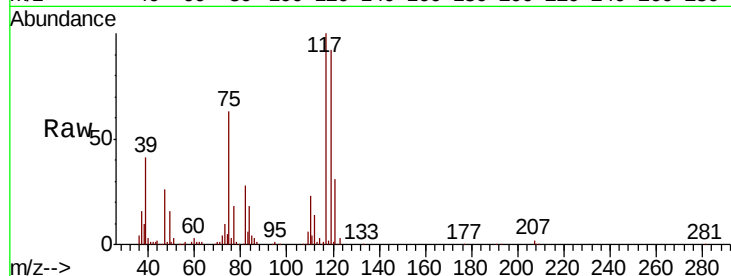
Tot Ion:117 Resp: 85712

Ion Ratio Lower Upper

117 100

119 92.2 76.3 114.5

121 31.0 24.2 36.4

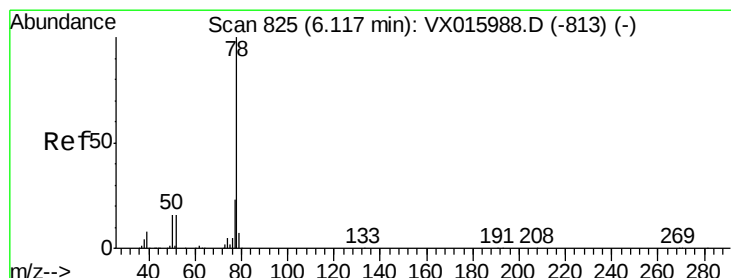
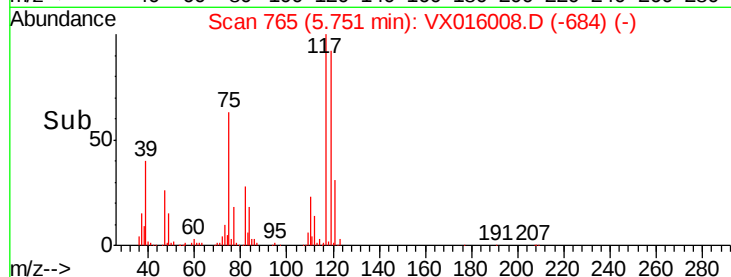
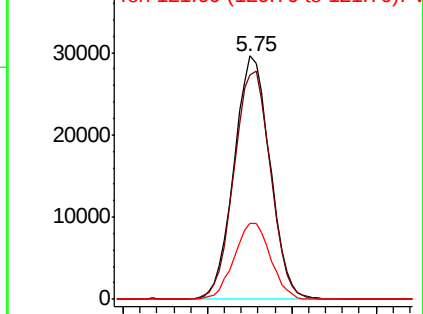


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.414 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

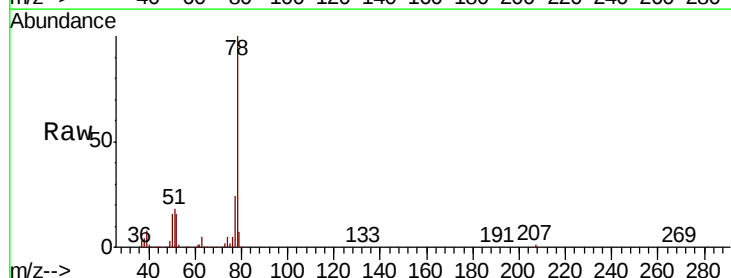
Tgt Ion: 78 Resp: 237246

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1

51 17.6 12.7 19.1

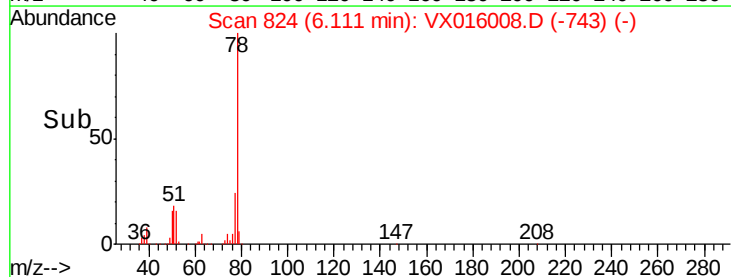
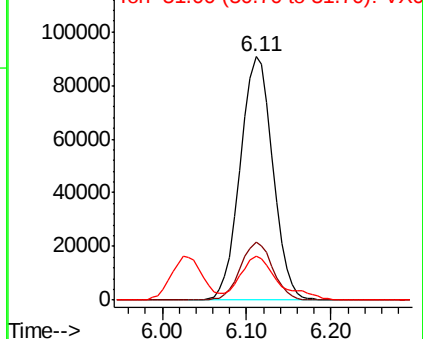


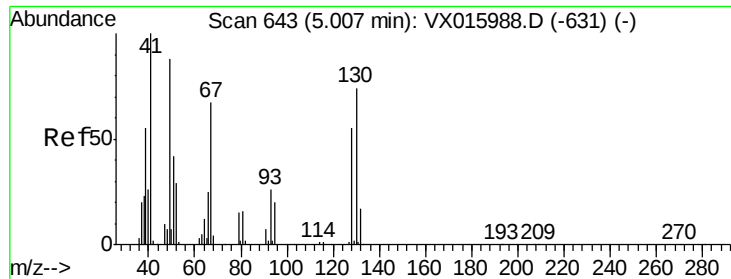
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

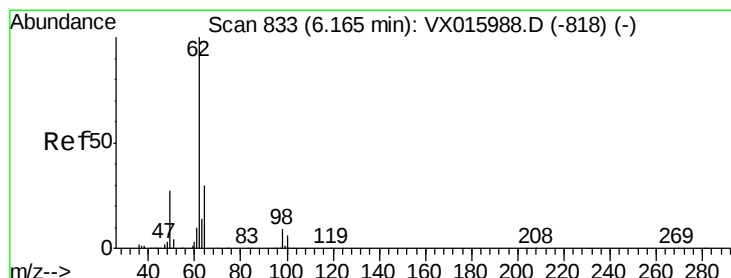
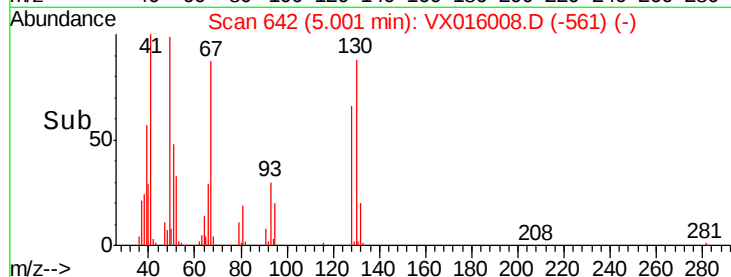
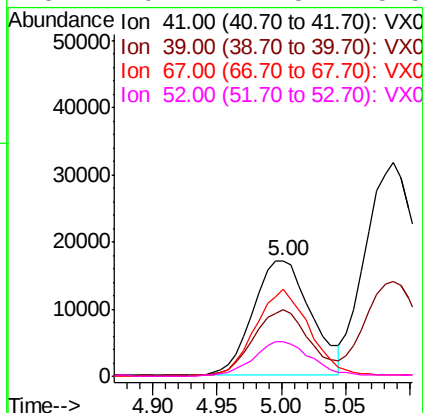
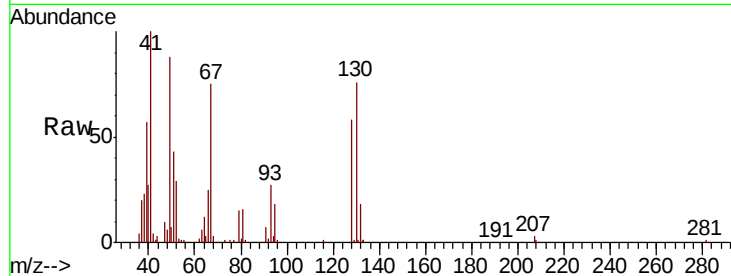




#35  
Methacrylonitrile  
Concen: 19.244 ug/l  
RT: 5.00 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

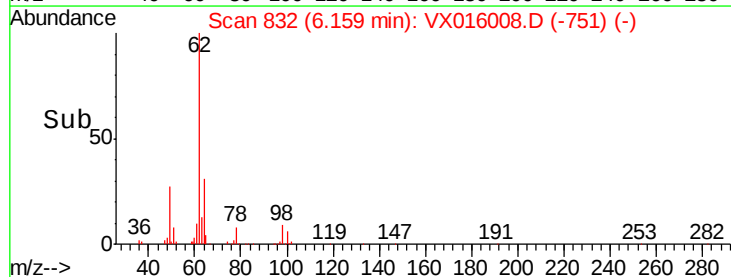
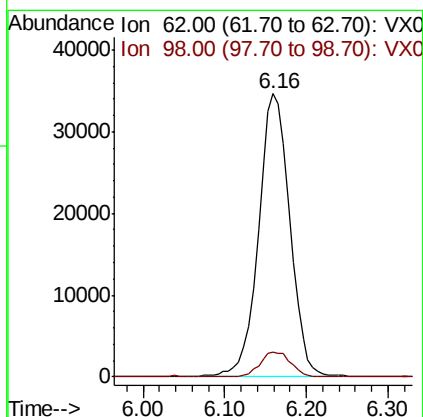
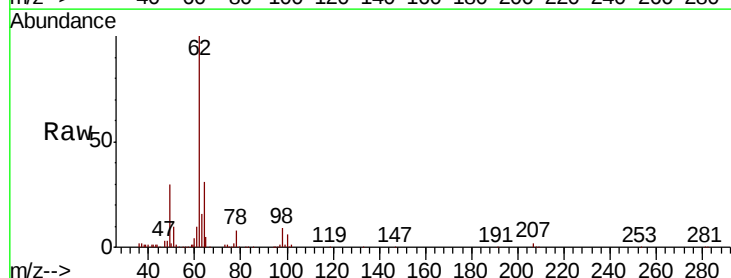
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

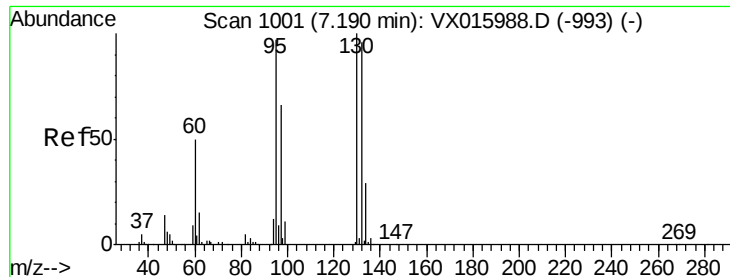
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 53715 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.9  | 27.5  | 82.4  |
| 67       | 75.6  | 33.6  | 100.6 |
| 52       | 29.2  | 14.5  | 43.5  |



#36  
1,2-Dichloroethane  
Concen: 18.863 ug/l  
RT: 6.16 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 92812 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 7.4   | 11.2  |

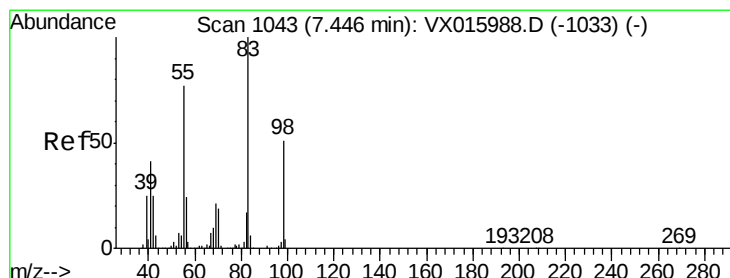
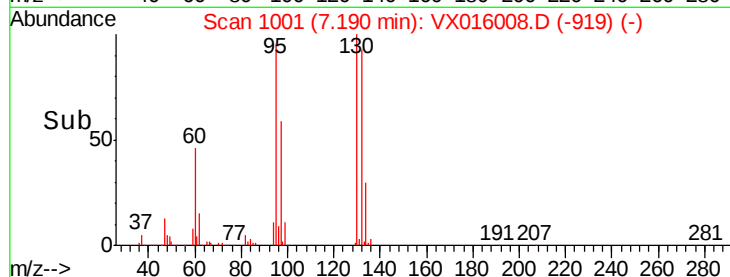
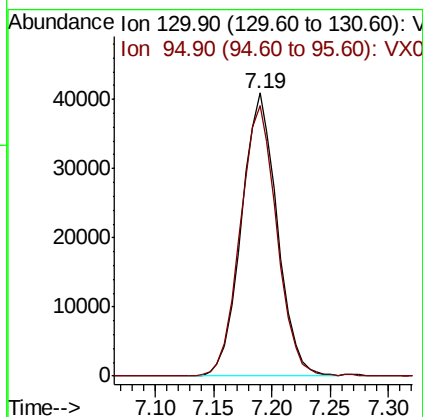
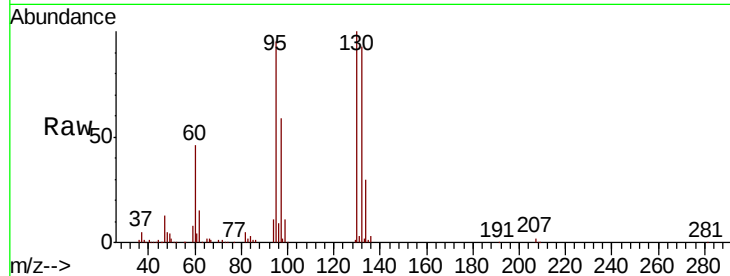




#37  
 Trichloroethene  
 Concen: 19.080 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

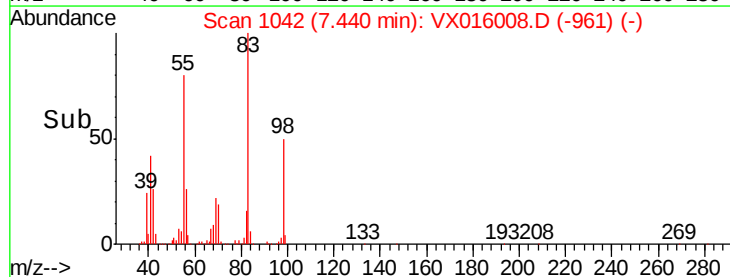
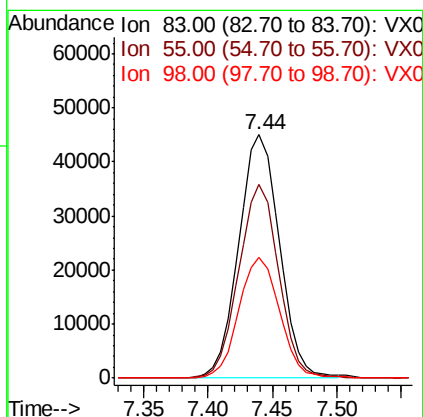
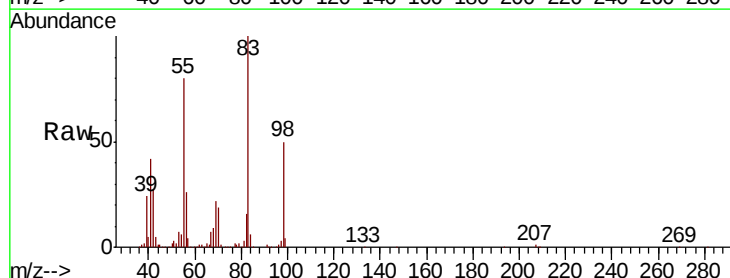
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

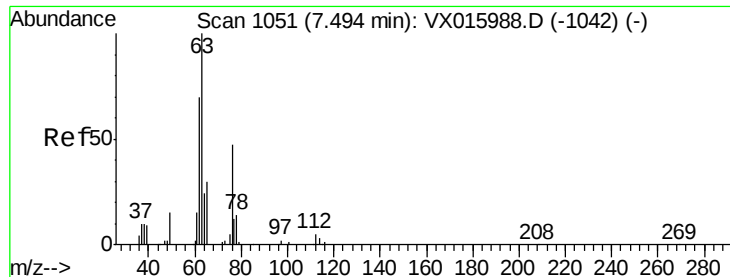
Tot Ion:130 Resp: 87453  
 Ion Ratio Lower Upper  
 130 100  
 95 95.4 77.8 116.8



#38  
 Methylcyclohexane  
 Concen: 18.312 ug/l  
 RT: 7.44 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Tgt Ion: 83 Resp: 98717  
 Ion Ratio Lower Upper  
 83 100  
 55 78.0 38.8 116.4  
 98 50.0 25.1 75.3





#39

1,2-Dichloropropane

Concen: 18.738 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

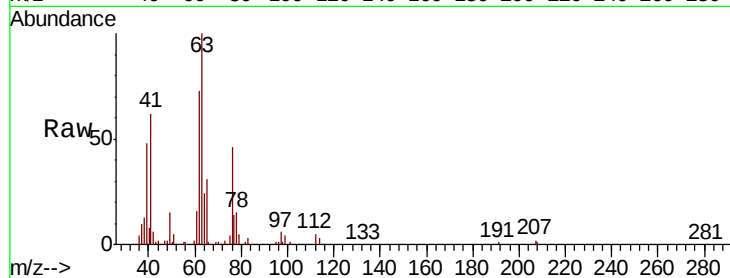
VX0501WBSD02

Tot Ion: 63 Resp: 61973

Ion Ratio Lower Upper

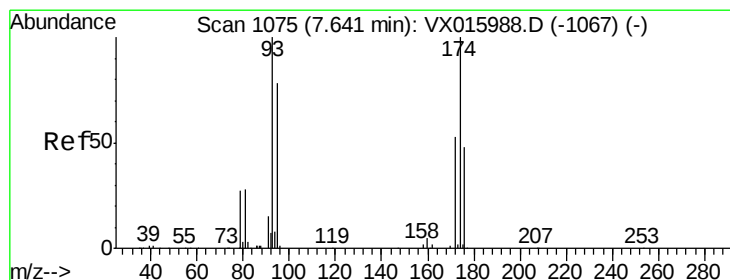
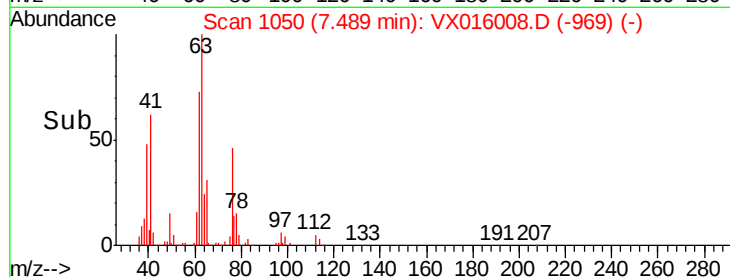
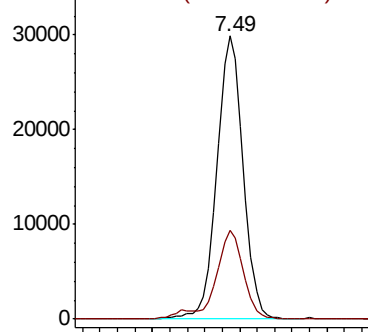
63 100

65 31.2 25.9 38.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 18.604 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

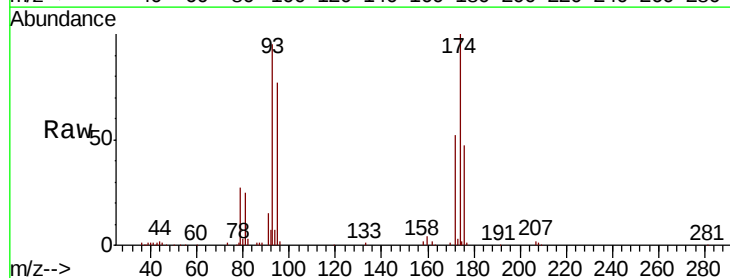
Tgt Ion: 93 Resp: 42725

Ion Ratio Lower Upper

93 100

95 83.2 0.0 162.8

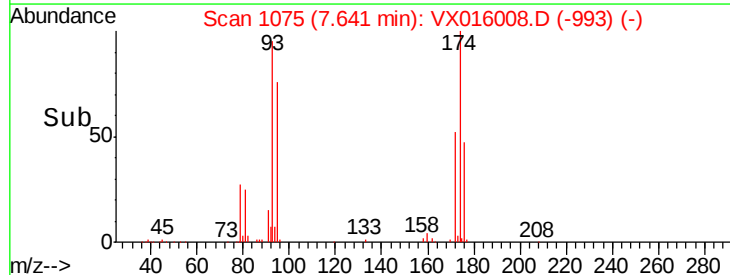
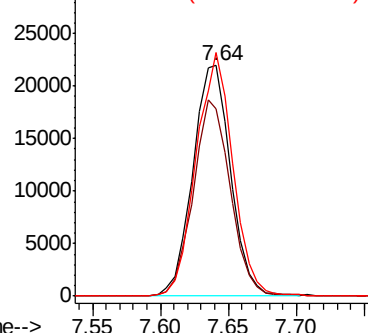
174 102.5 0.0 204.0

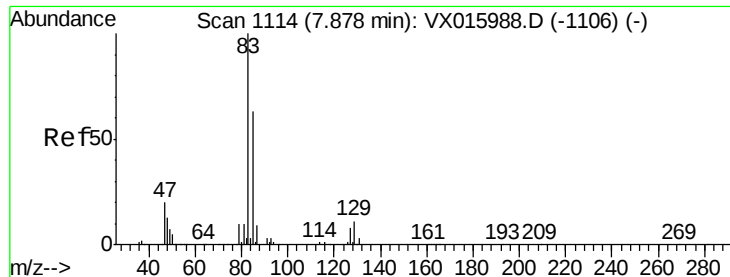


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.095 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

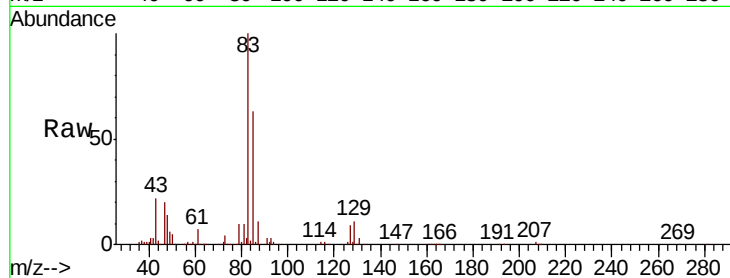
Tot Ion: 83 Resp: 85670

Ion Ratio Lower Upper

83 100

85 62.8 50.4 75.6

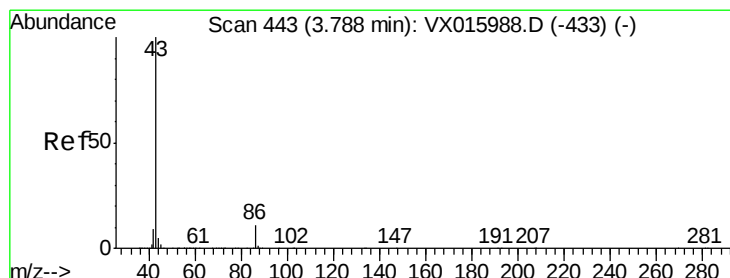
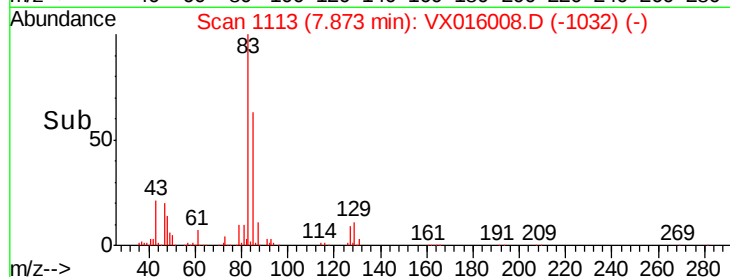
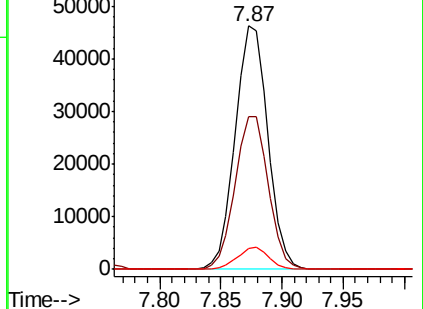
127 8.6 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 93.547 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016008.D

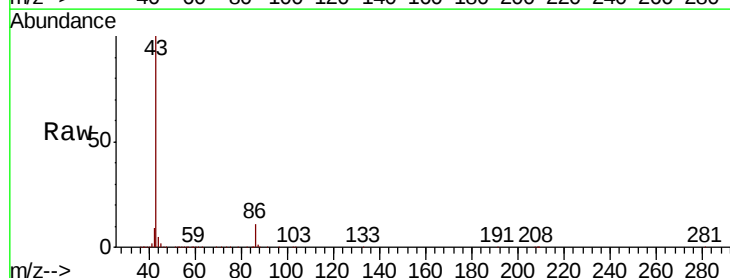
Acq: 01 May 2020 14:00

Tgt Ion: 43 Resp: 813462

Ion Ratio Lower Upper

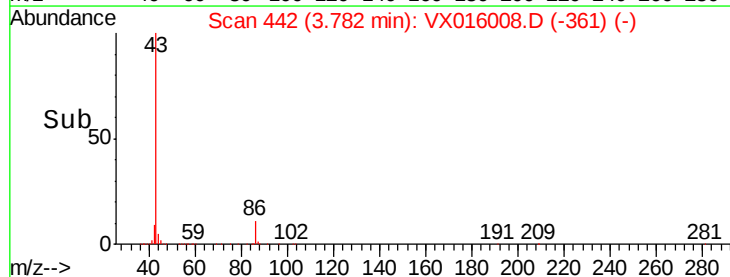
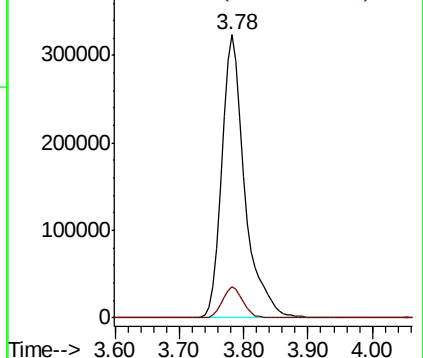
43 100

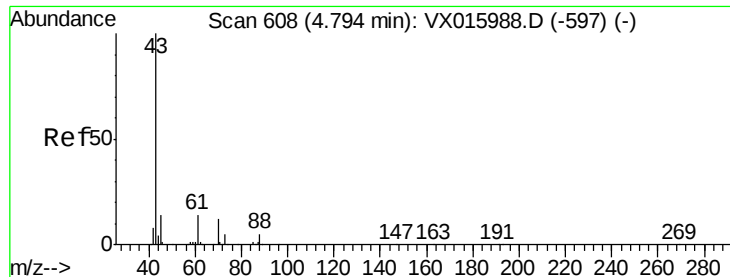
86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

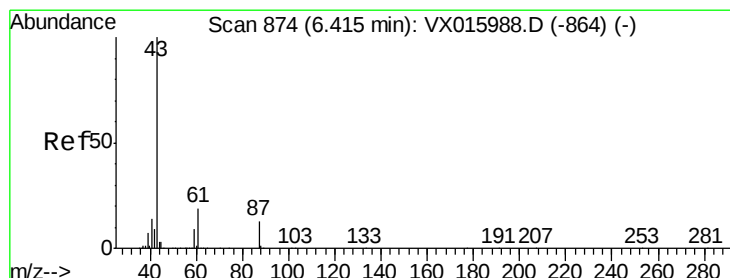
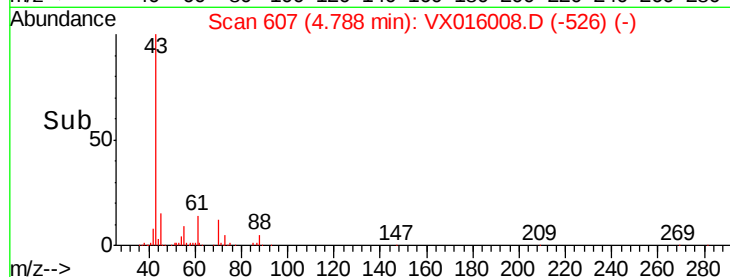
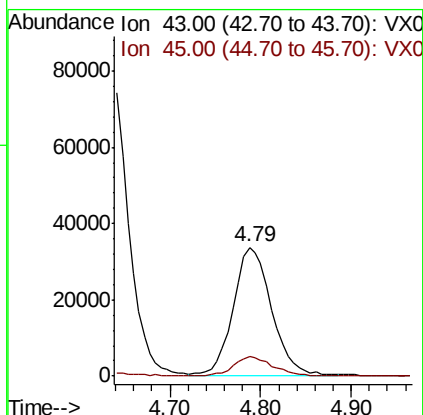
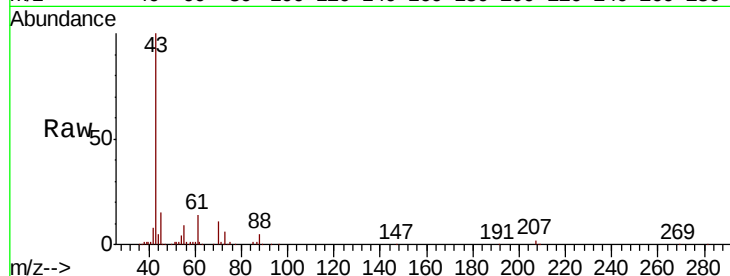




#43  
Ethyl Acetate  
Concen: 18.975 ug/l  
RT: 4.79 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

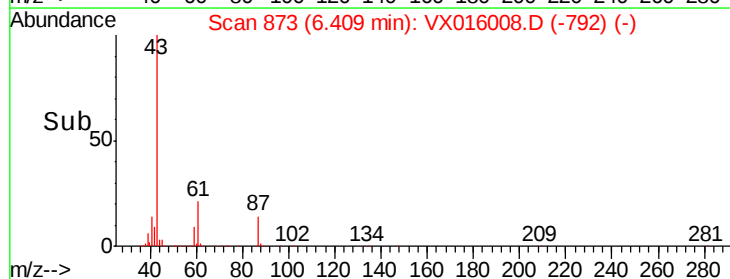
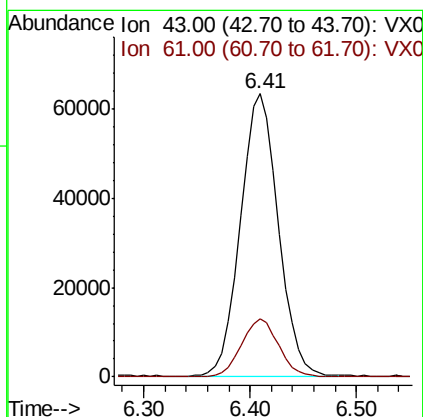
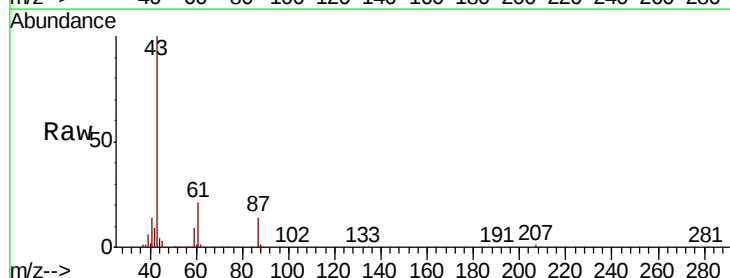
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

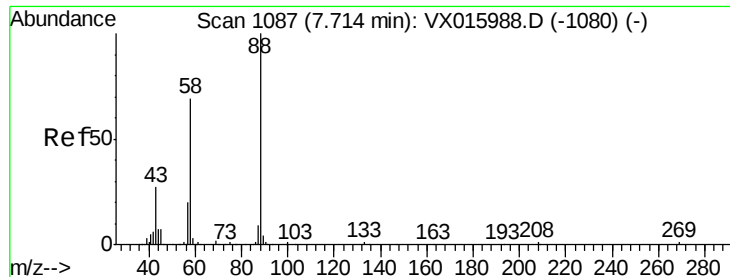
Tot Ion: 43 Resp: 98380  
Ion Ratio Lower Upper  
43 100  
45 15.5 11.9 17.9



#44  
Isopropyl Acetate  
Concen: 18.768 ug/l  
RT: 6.41 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 43 Resp: 157911  
Ion Ratio Lower Upper  
43 100  
61 20.3 16.1 24.1





#45

1,4-Dioxane

Concen: 386.222 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

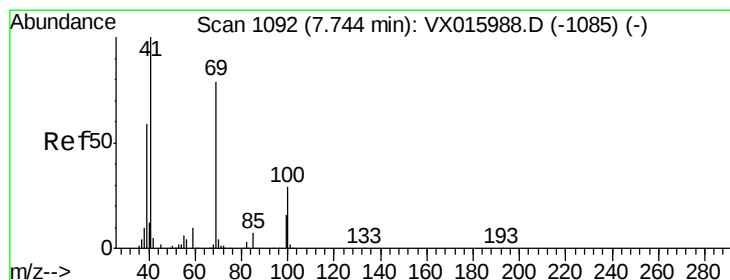
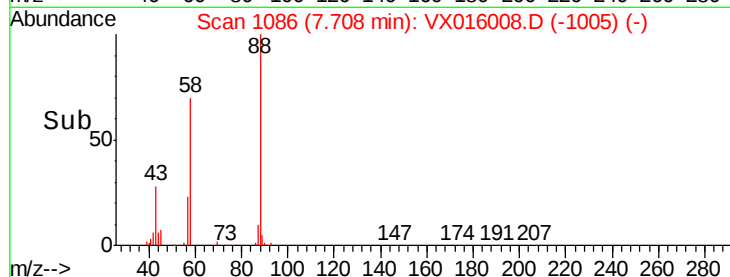
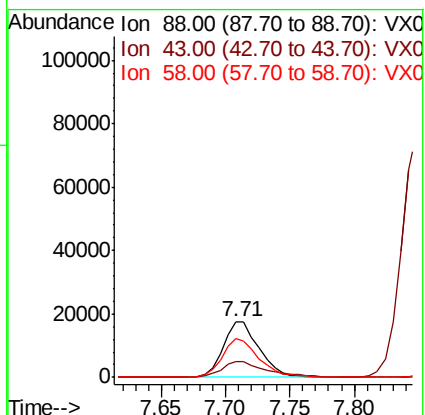
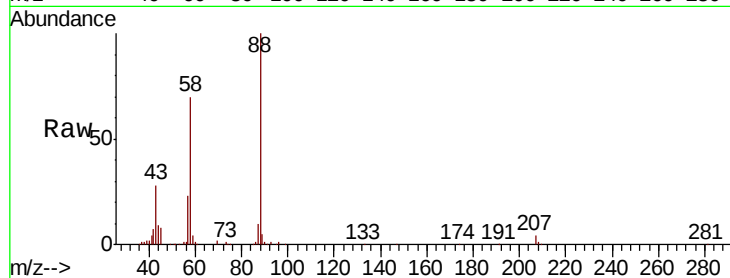
Tot Ion: 88 Resp: 34325

Ion Ratio Lower Upper

88 100

43 32.4 26.3 39.5

58 70.6 57.0 85.6



#46

Methyl methacrylate

Concen: 18.622 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

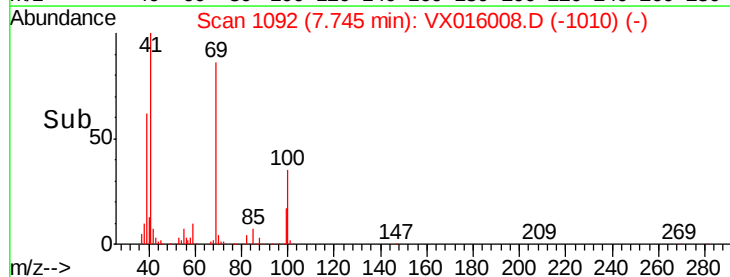
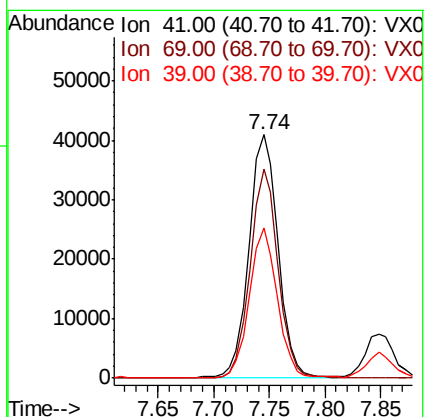
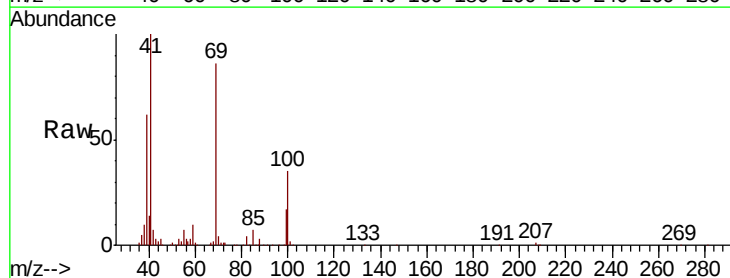
Tgt Ion: 41 Resp: 74278

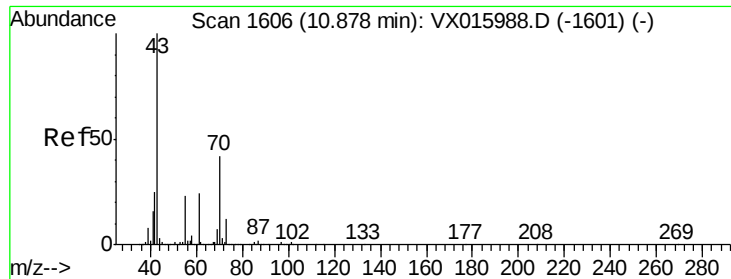
Ion Ratio Lower Upper

41 100

69 85.9 39.5 118.5

39 61.5 29.6 88.9





#47

n-amvl Acetate

Concen: 17.928 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

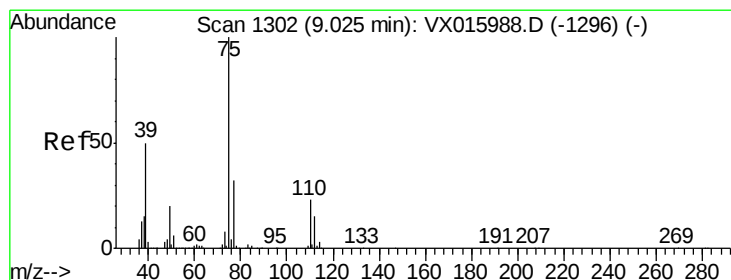
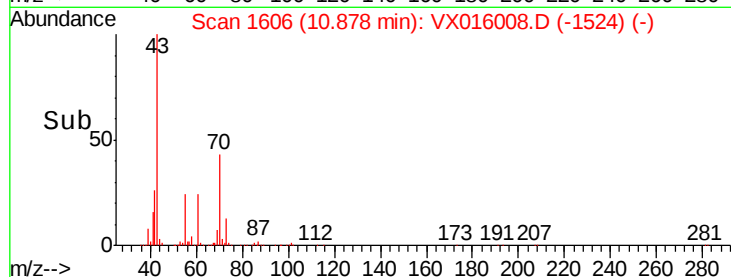
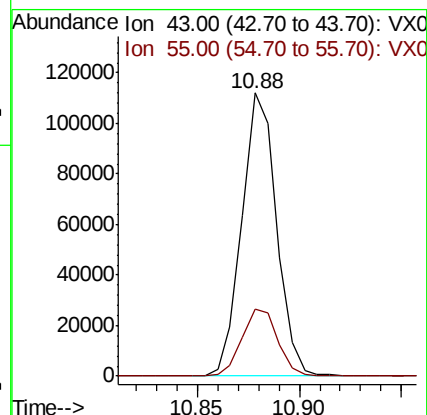
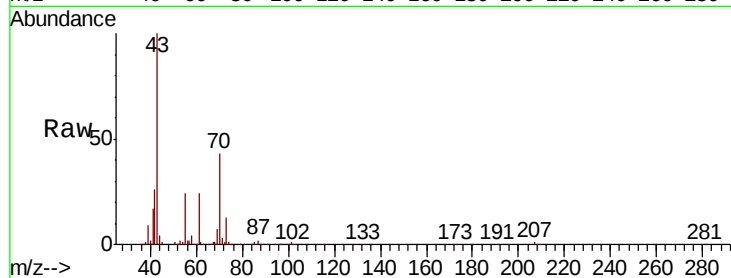
VX0501WBSD02

Tot Ion: 43 Resp: 131899

Ion Ratio Lower Upper

43 100

55 24.6 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 18.281 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016008.D

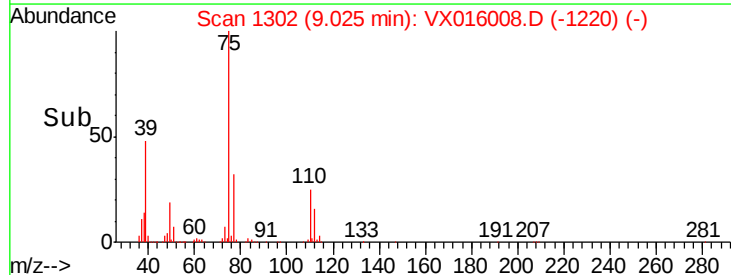
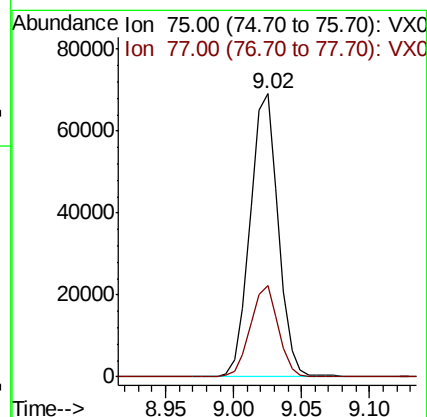
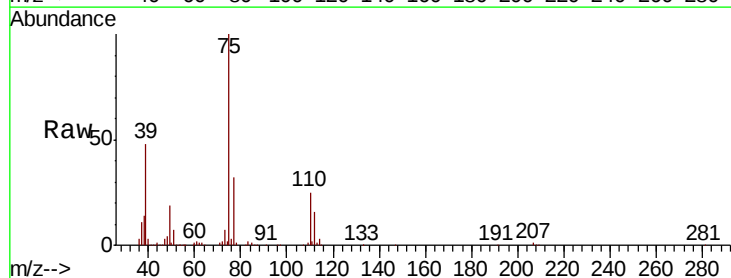
Acq: 01 May 2020 14:00

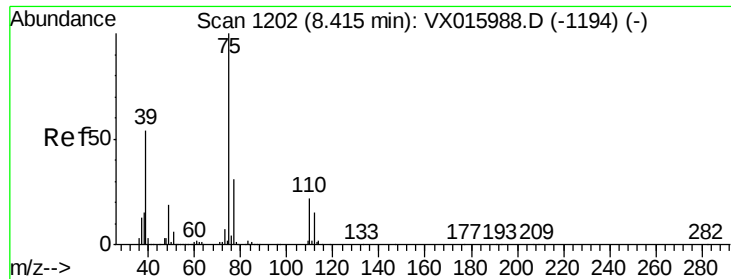
Tgt Ion: 75 Resp: 100505

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



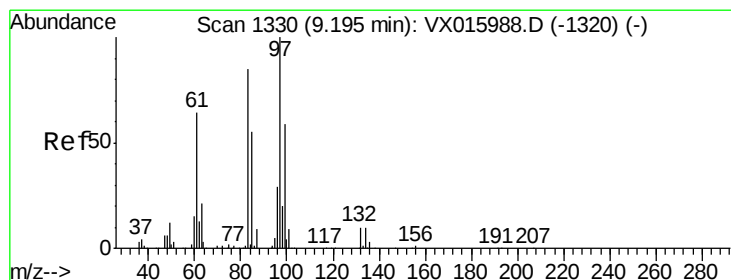
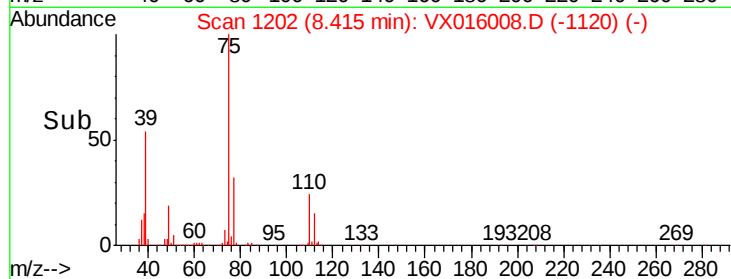
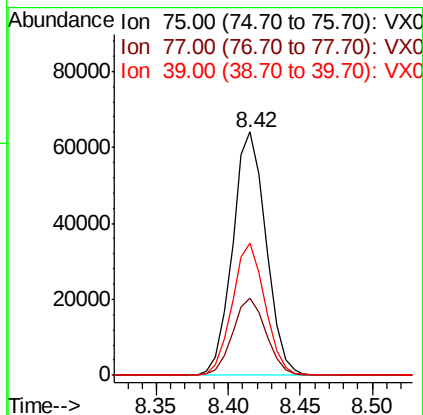
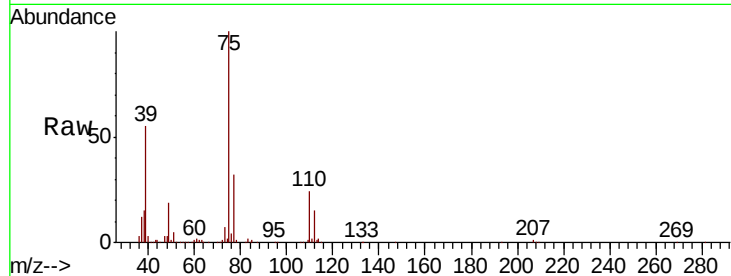


#49

cis-1,3-Dichloropropene  
 Concen: 18.320 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

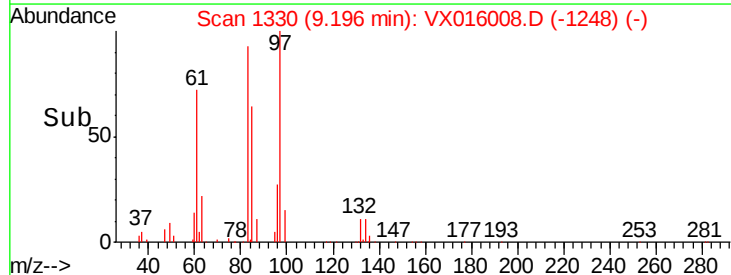
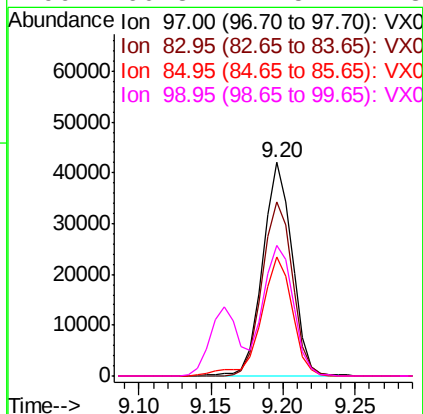
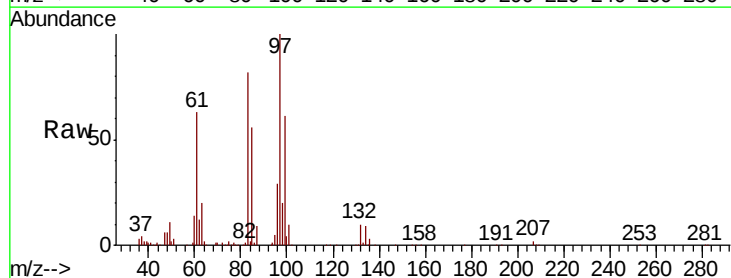
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.0  | 37.6  |
| 39      | 54.6  | 43.2  | 64.8  |

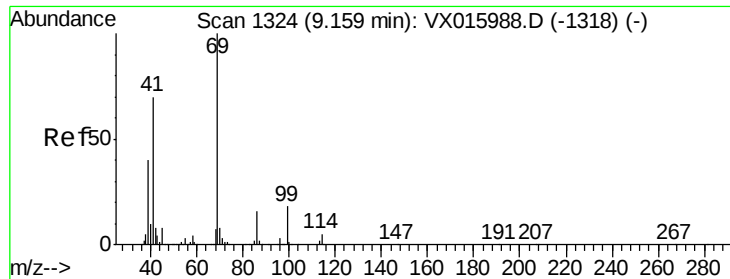


#50

1,1,2-Trichloroethane  
 Concen: 18.381 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 81.7  | 67.7  | 101.5 |
| 85      | 55.5  | 43.7  | 65.5  |
| 99      | 60.8  | 47.5  | 71.3  |





#51

Ethyl methacrylate

Concen: 18.419 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleID :

VX0501WBSD02

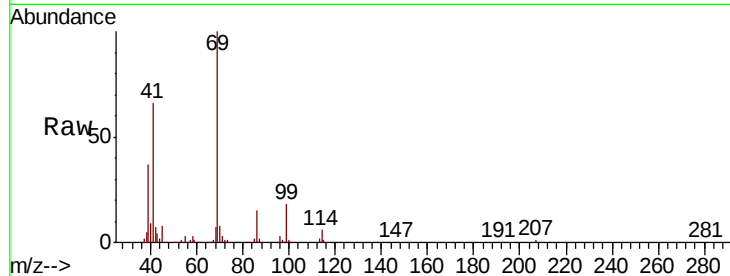
Tot Ion: 69 Resp: 98433

Ion Ratio Lower Upper

69 100

41 66.1 34.8 104.4

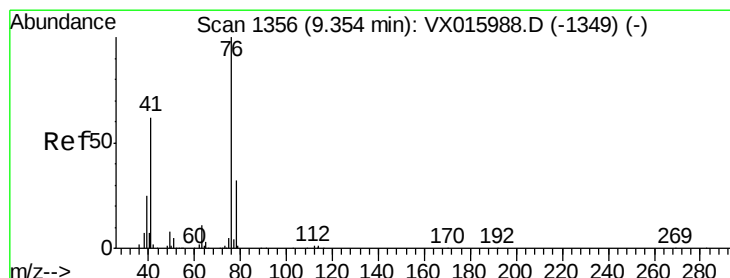
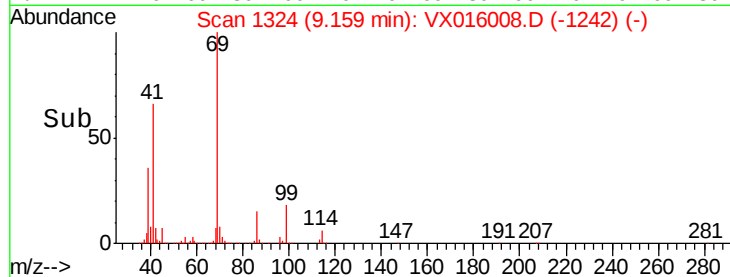
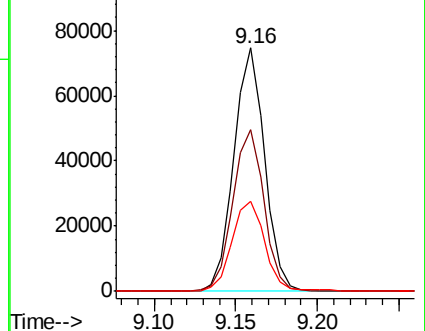
39 36.6 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.003 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016008.D

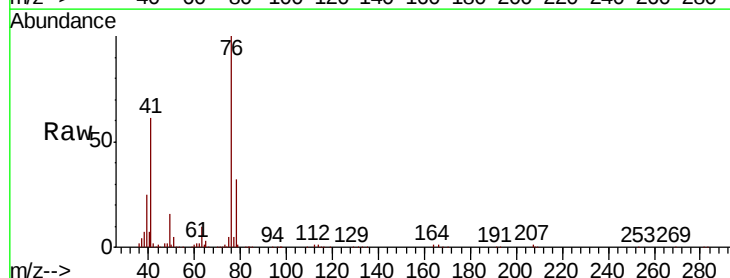
Acq: 01 May 2020 14:00

Tgt Ion: 76 Resp: 106311

Ion Ratio Lower Upper

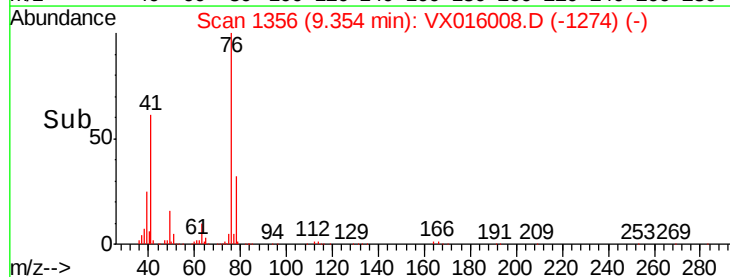
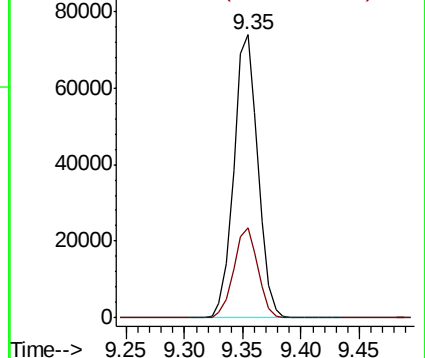
76 100

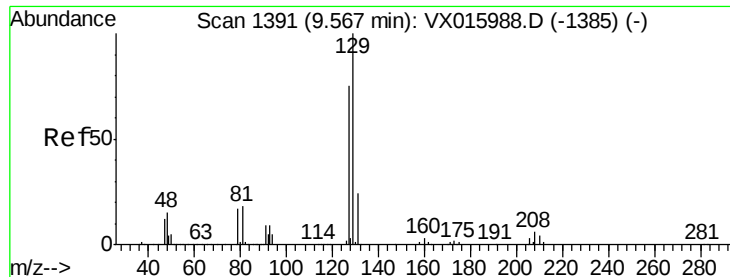
78 31.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

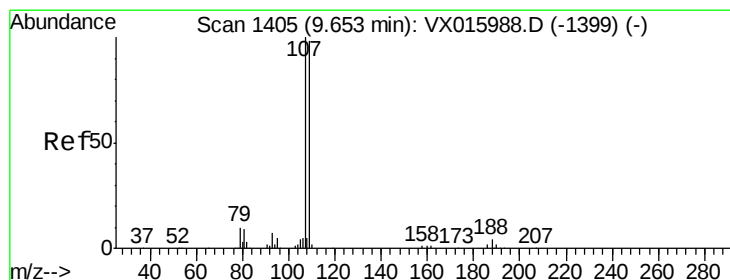
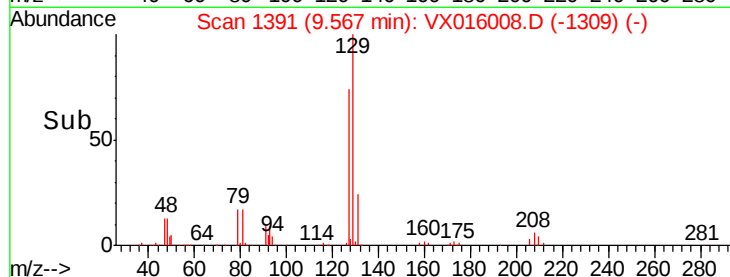
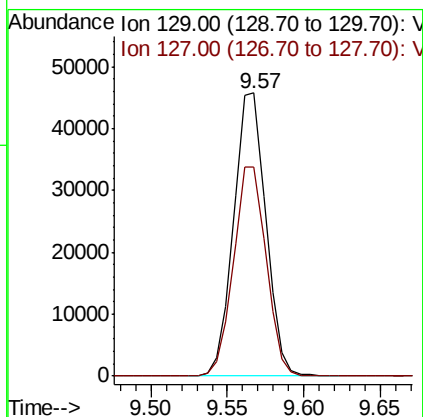
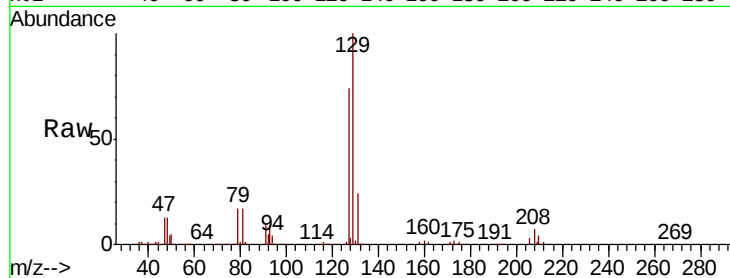




#53  
 Dibromochloromethane  
 Concen: 18.150 ug/l  
 RT: 9.57 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

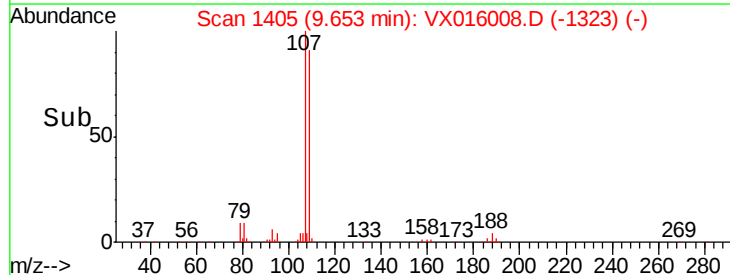
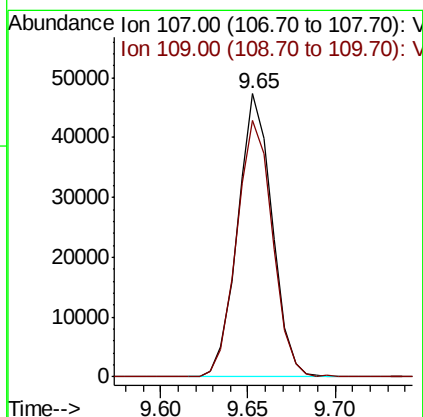
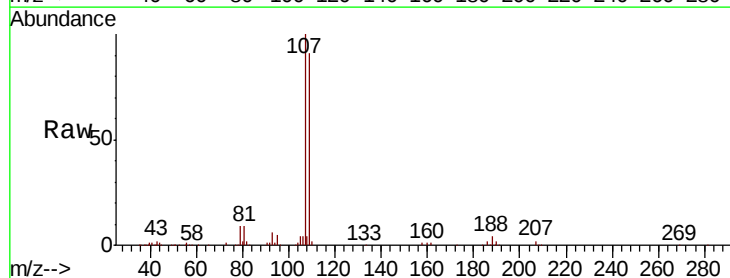
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

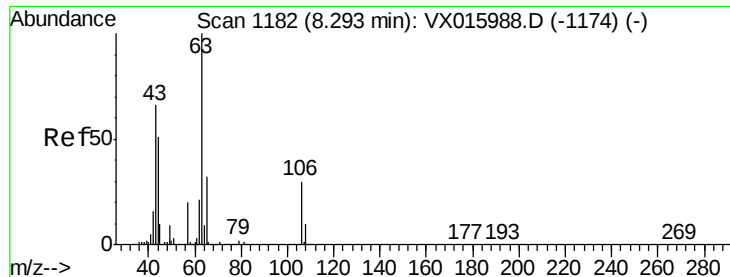
Tot Ion:129 Resp: 66827  
 Ion Ratio Lower Upper  
 129 100  
 127 75.0 38.3 114.9



#54  
 1,2-Dibromoethane  
 Concen: 18.182 ug/l  
 RT: 9.65 min Scan# 1405  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

Tgt Ion:107 Resp: 64671  
 Ion Ratio Lower Upper  
 107 100  
 109 94.3 74.7 112.1





#55

2-Chloroethyl vinyl ether

Concen: 92.093 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

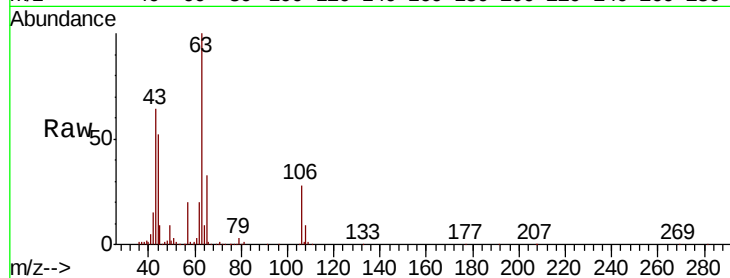
Tot Ion: 63 Resp: 267747

Ion Ratio Lower Upper

63 100

65 32.3 25.6 38.4

106 29.0 23.4 35.0



Abundance Ion 63.00 (62.70 to 63.70): VX015988.D (-1174) (-)

Ion 65.00 (64.70 to 65.70): VX015988.D (-1174) (-)

Ion 106.00 (105.70 to 106.70): VX015988.D (-1174) (-)

8.29

150000

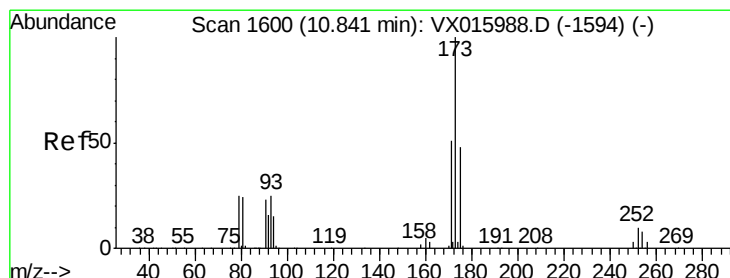
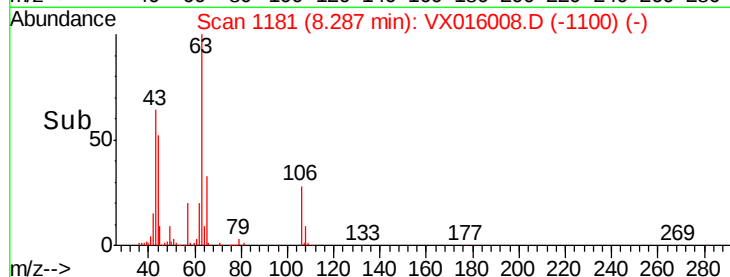
100000

50000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#56

Bromoform

Concen: 17.327 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

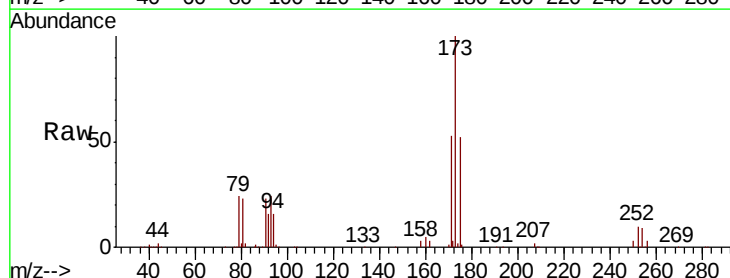
Tgt Ion: 173 Resp: 48070

Ion Ratio Lower Upper

173 100

175 49.1 38.0 57.0

254 9.1 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VX015988.D (-1594) (-)

Ion 175.00 (174.70 to 175.70): VX015988.D (-1594) (-)

Ion 254.00 (253.70 to 254.70): VX015988.D (-1594) (-)

10.84

50000

40000

30000

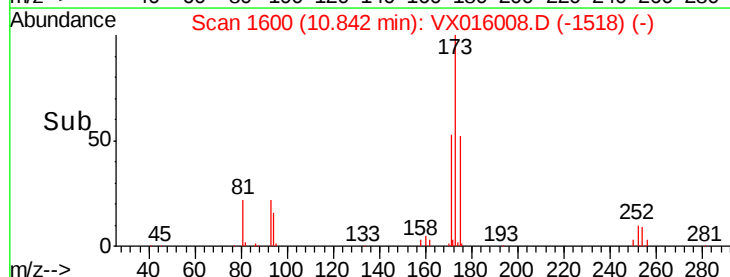
20000

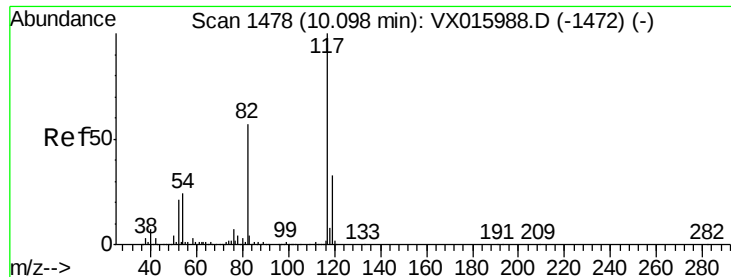
10000

0

10.80 10.85 10.90

Time-->

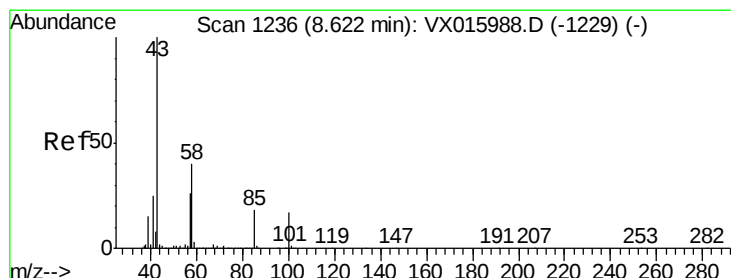
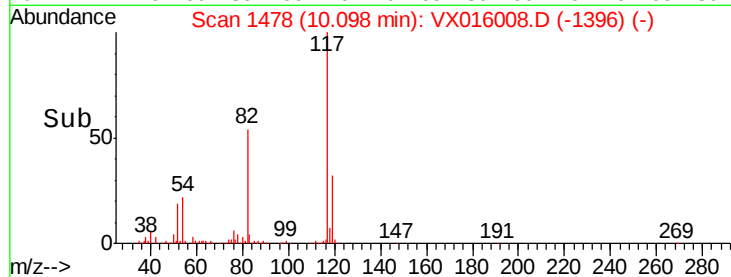
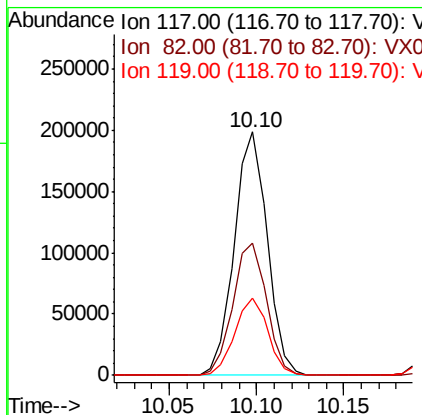
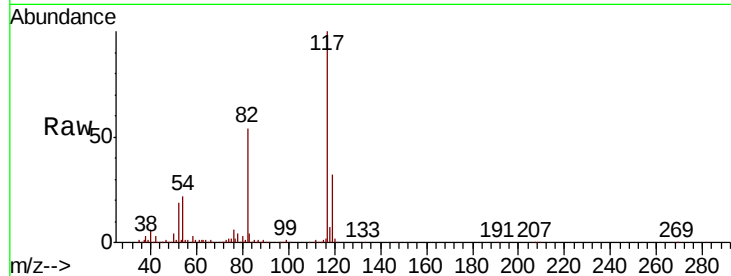




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

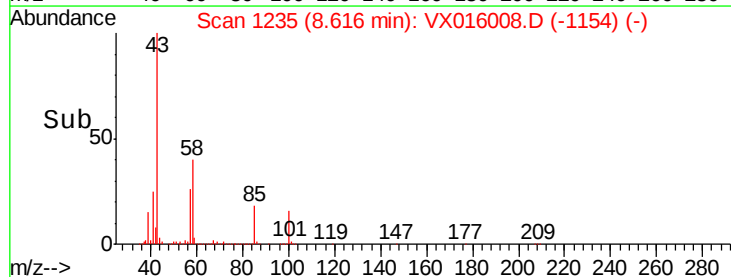
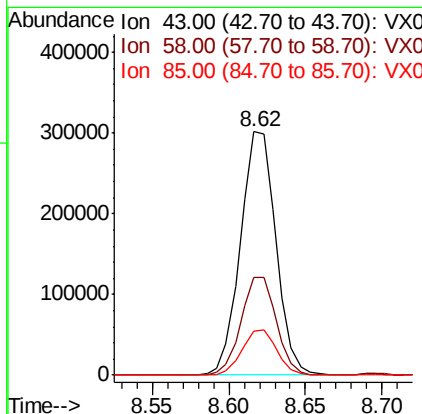
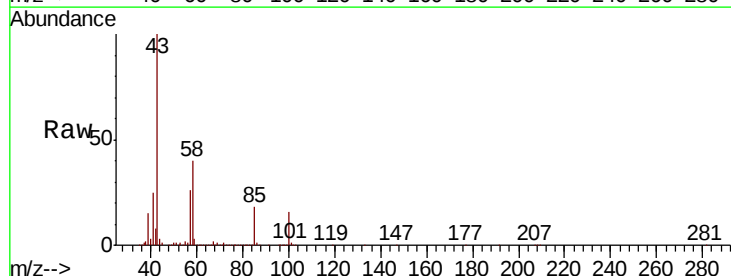
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

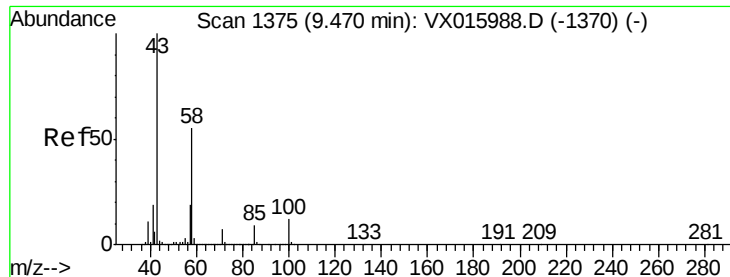
Tot Ion:117 Resp: 260458  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.1 67.7  
119 31.9 25.6 38.4



#58  
4-Methyl-2-Pentanone  
Concen: 94.320 ug/l  
RT: 8.62 min Scan# 1235  
Delta R.T. -0.01 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 43 Resp: 484454  
Ion Ratio Lower Upper  
43 100  
58 40.1 31.8 47.6  
85 18.4 14.5 21.7

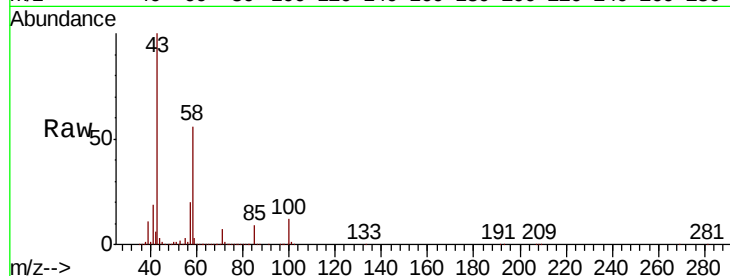




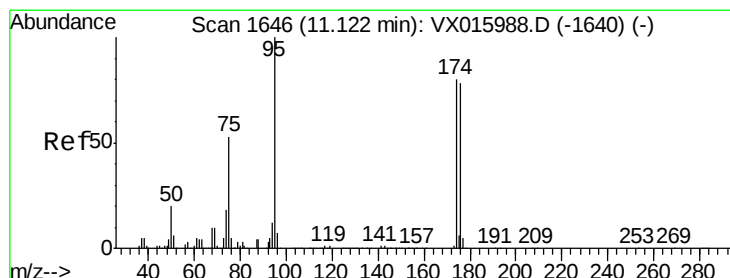
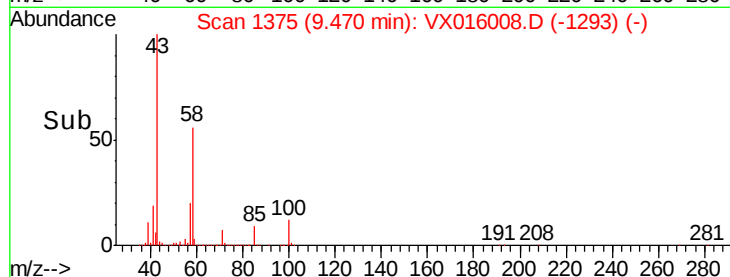
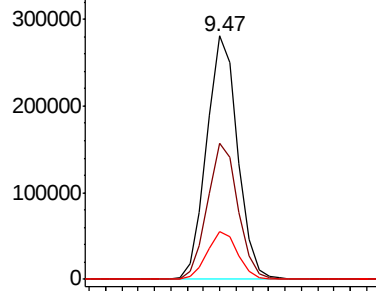
#59  
2-Hexanone  
Concen: 93.432 ug/l  
RT: 9.47 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

Tot Ion: 43 Resp: 370683  
Ion Ratio Lower Upper  
43 100  
58 55.5 44.0 66.0  
57 19.7 15.5 23.3

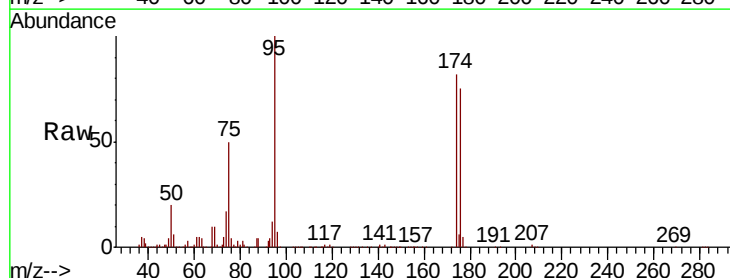


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0

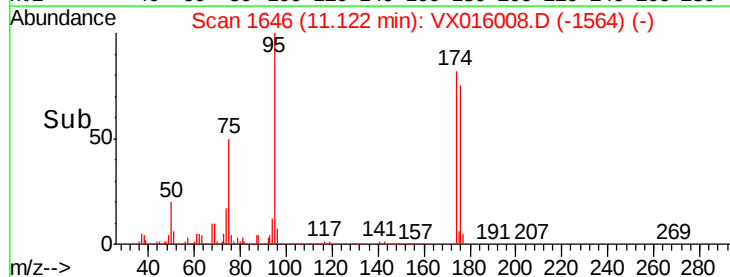
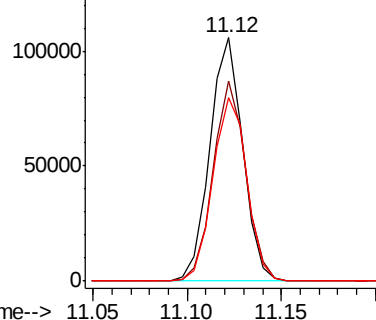


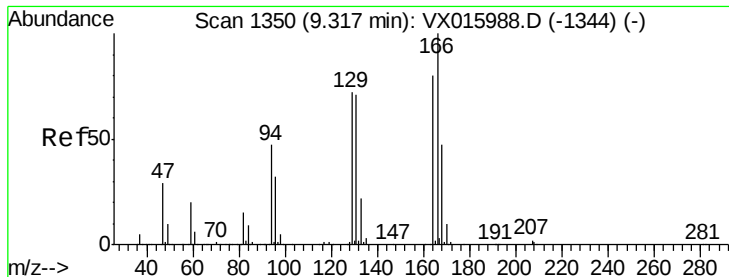
#60  
4-Bromofluorobenzene  
Concen: 29.315 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 95 Resp: 128044  
Ion Ratio Lower Upper  
95 100  
174 81.2 64.8 97.2  
176 77.8 62.4 93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0  
Ion 174.00 (173.70 to 174.70): V  
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 18.380 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

Tot Ion:164 Resp: 94697

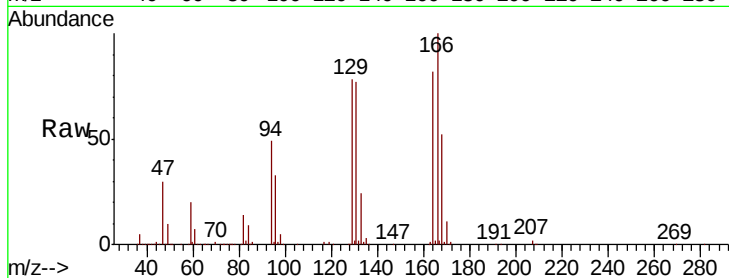
Ion Ratio Lower Upper

164 100

166 122.3 100.1 150.1

129 95.5 72.2 108.4

131 94.2 71.3 106.9



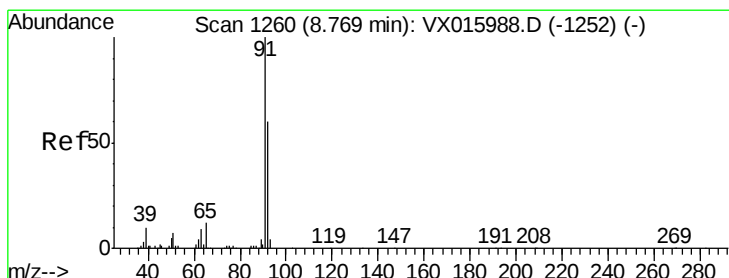
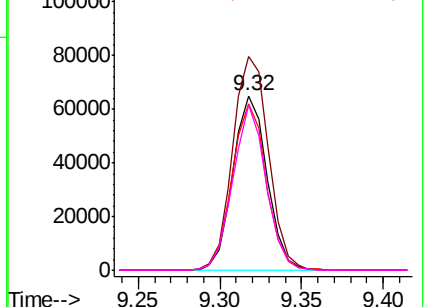
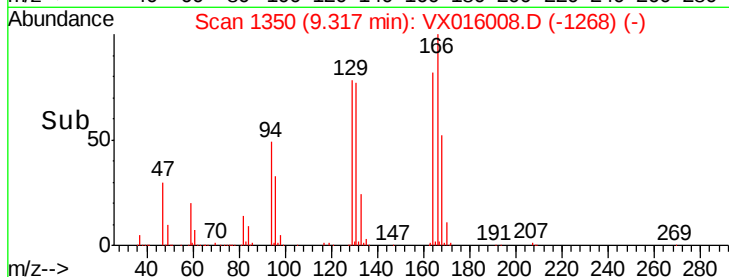
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.357 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016008.D

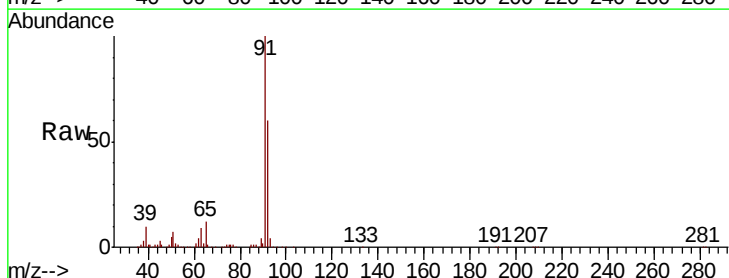
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 255436

Ion Ratio Lower Upper

91 100

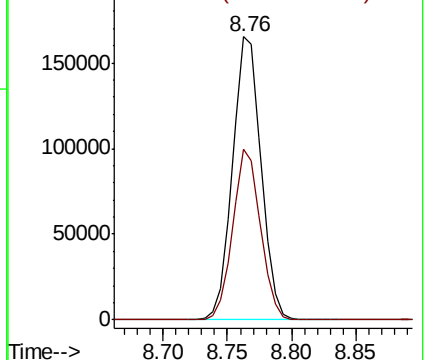
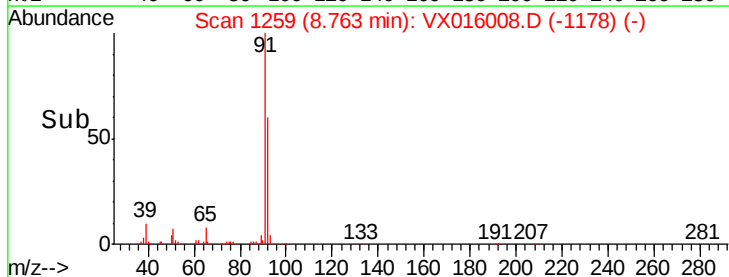
92 58.7 47.2 70.8



Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.726 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

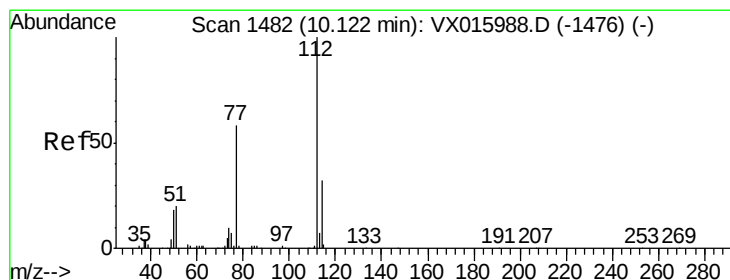
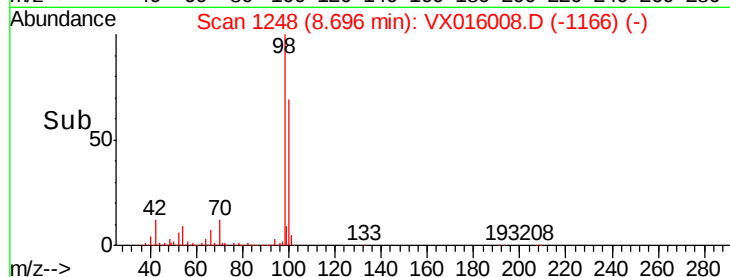
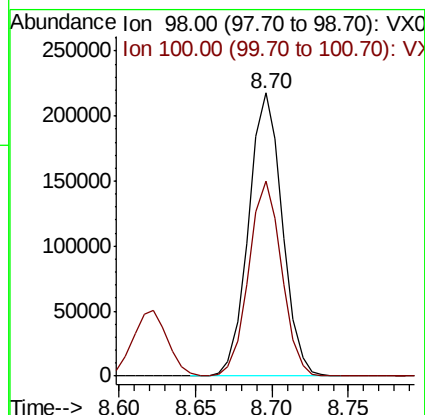
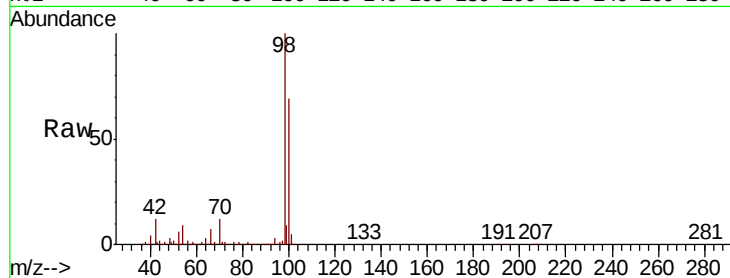
VX0501WBSD02

Tot Ion: 98 Resp: 332134

Ion Ratio Lower Upper

98 100

100 67.6 52.5 78.7



#64

Chlorobenzene

Concen: 17.896 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016008.D

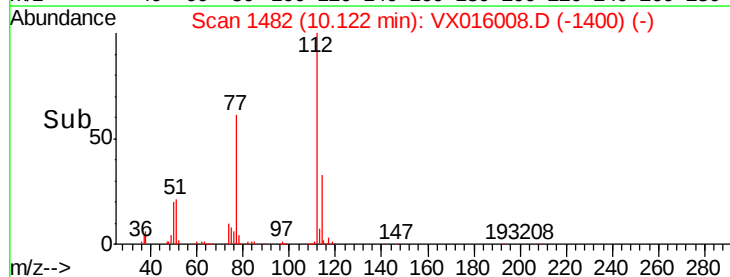
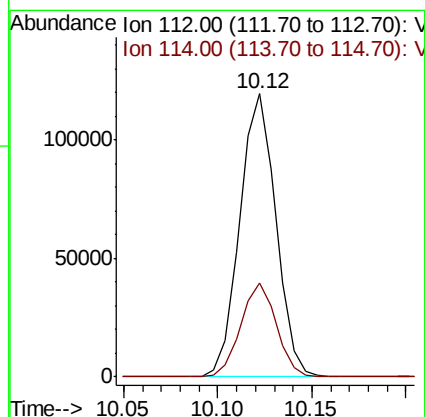
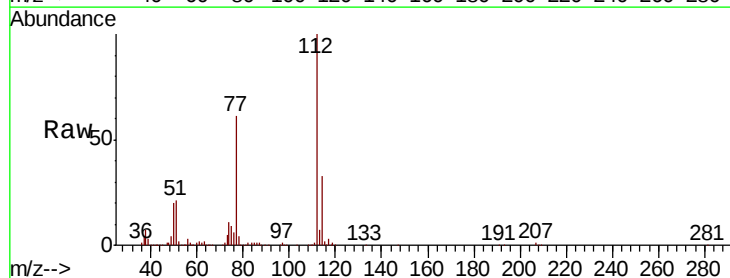
Acq: 01 May 2020 14:00

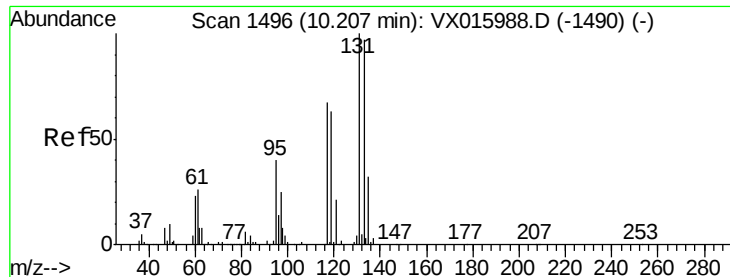
Tgt Ion: 112 Resp: 158556

Ion Ratio Lower Upper

112 100

114 33.0 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 17.755 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

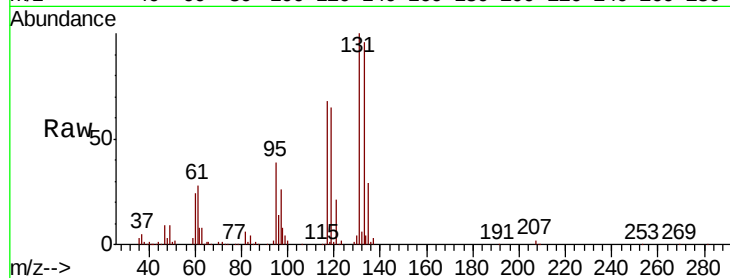
Tot Ion:131 Resp: 59718

Ion Ratio Lower Upper

131 100

133 95.2 0.0 187.0

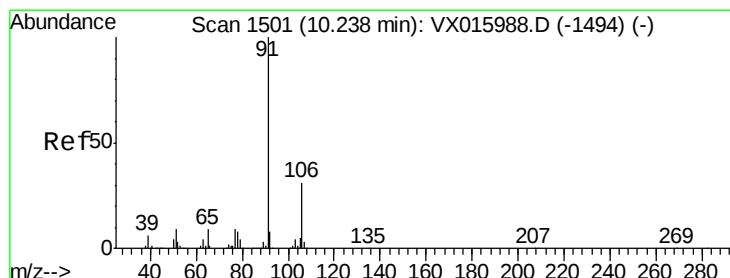
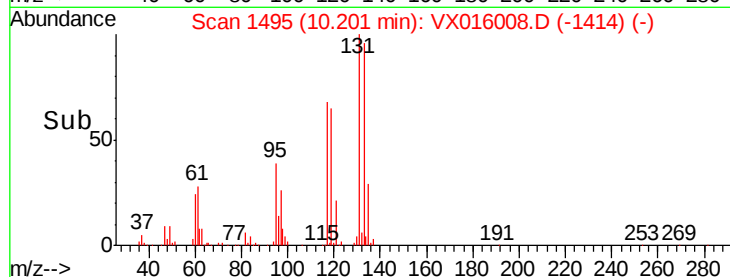
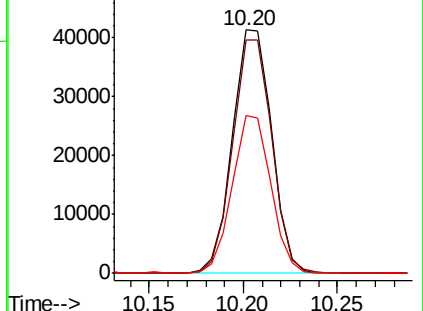
119 64.1 0.0 129.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.119 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016008.D

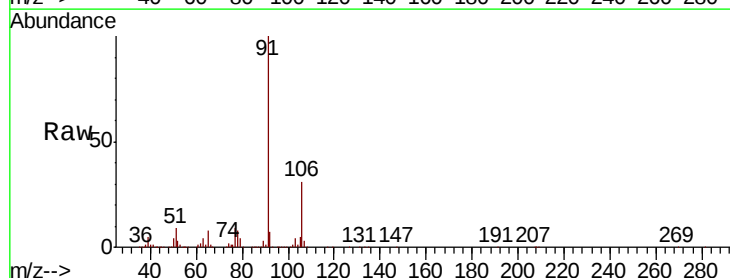
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 287088

Ion Ratio Lower Upper

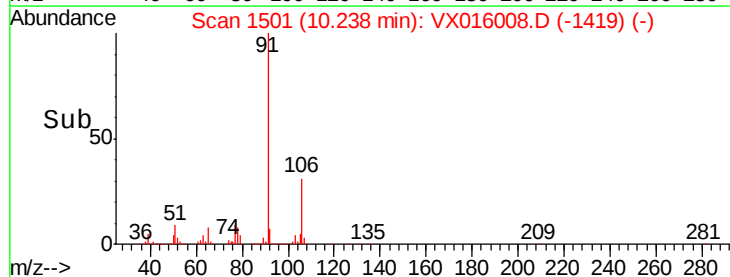
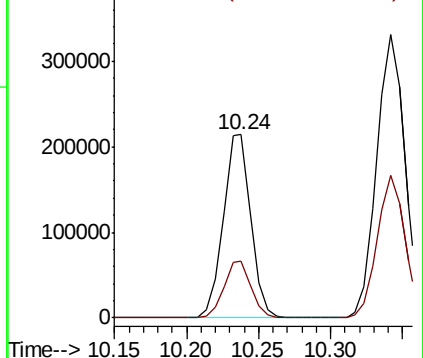
91 100

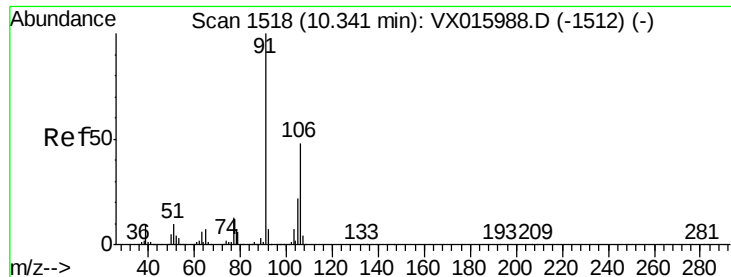
106 30.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.246 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

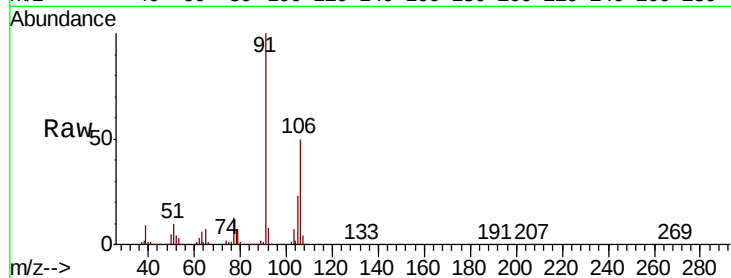
VX0501WBSD02

Tot Ion:106 Resp: 218784

Ion Ratio Lower Upper

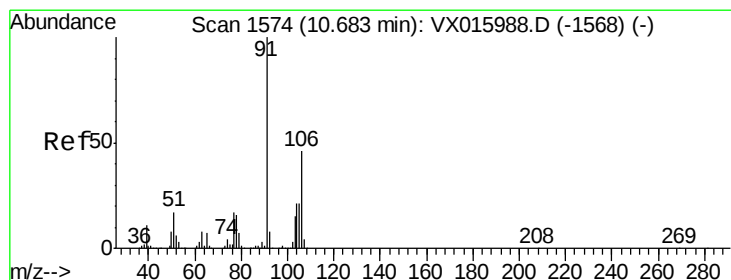
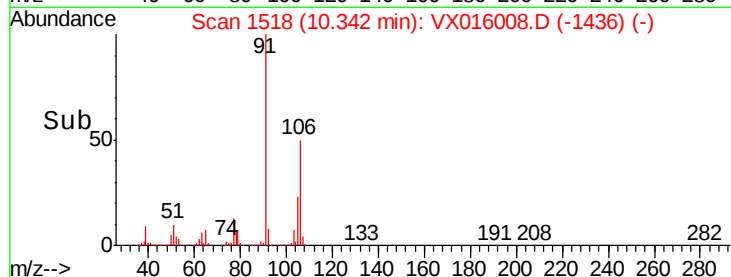
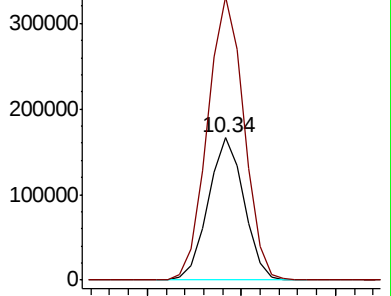
106 100

91 202.3 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.026 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016008.D

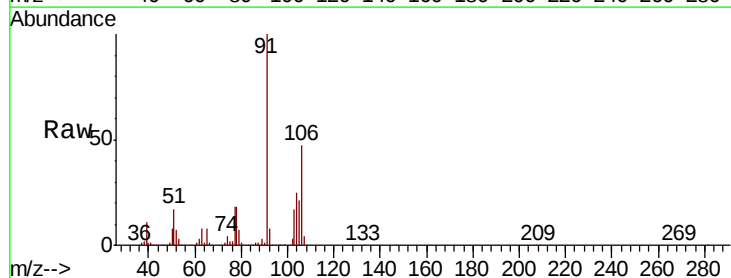
Acq: 01 May 2020 14:00

Tgt Ion:106 Resp: 104927

Ion Ratio Lower Upper

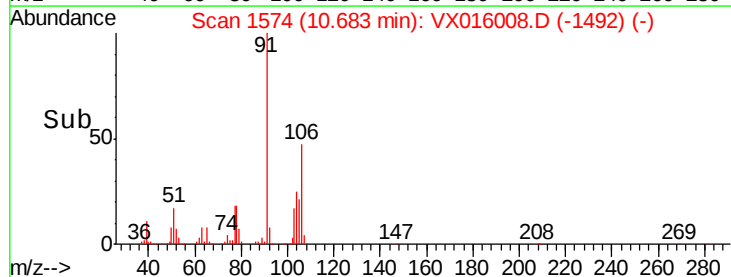
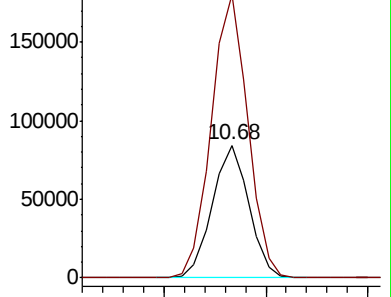
106 100

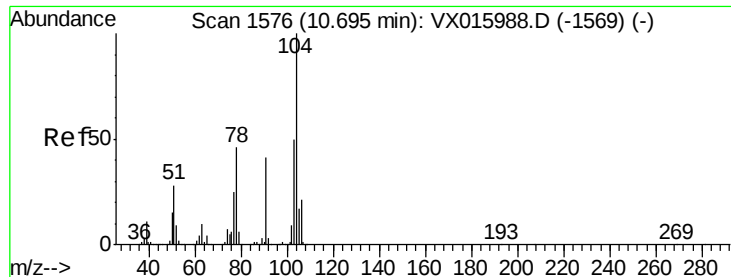
91 213.3 108.3 325.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

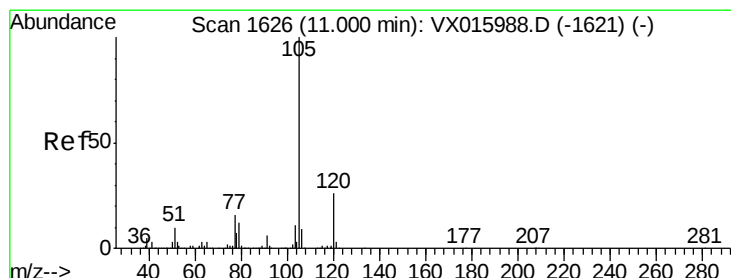
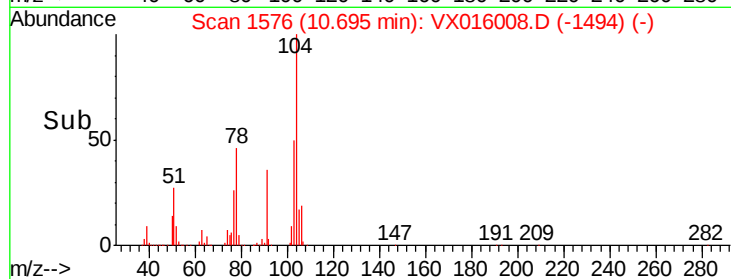
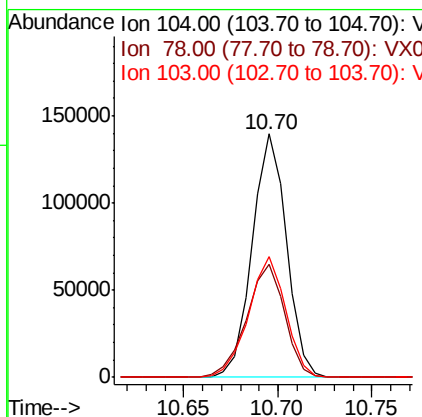
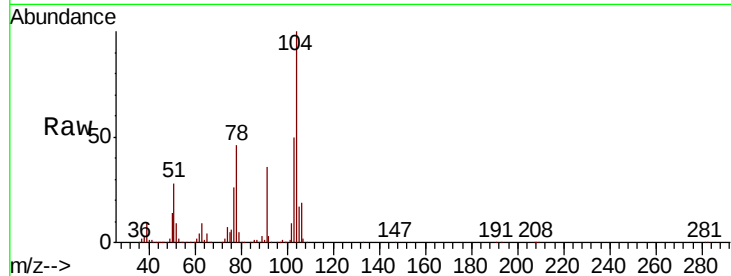




#69  
Stvrene  
Concen: 17.657 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

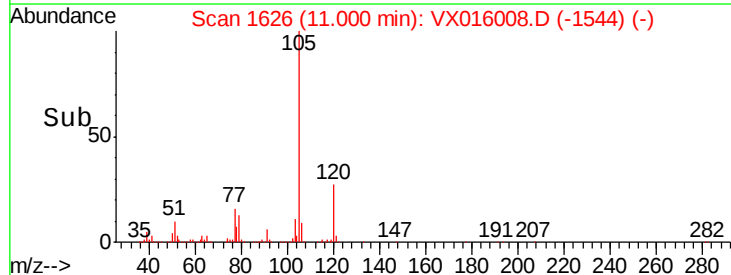
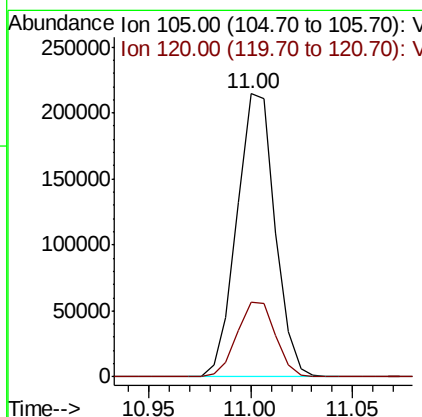
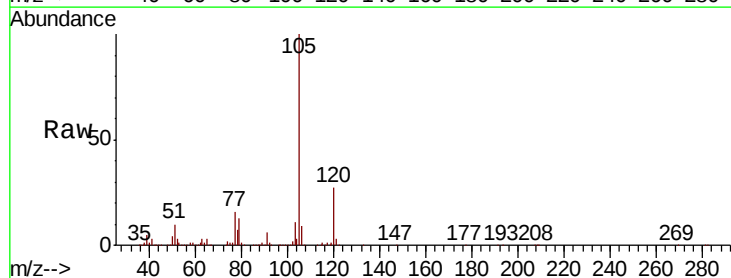
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

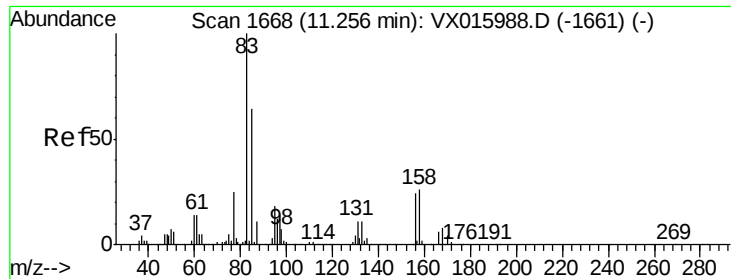
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.5  | 40.7  | 61.1  |
| 103     | 53.8  | 43.0  | 64.4  |



#70  
Isopropylbenzene  
Concen: 17.764 ug/l  
RT: 11.00 min Scan# 1626  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.7  | 18.6  | 34.5  |





#71

1,1,2,2-Tetrachloroethane

Concen: 15.526 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

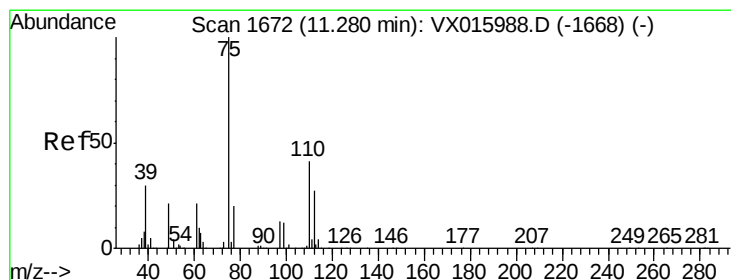
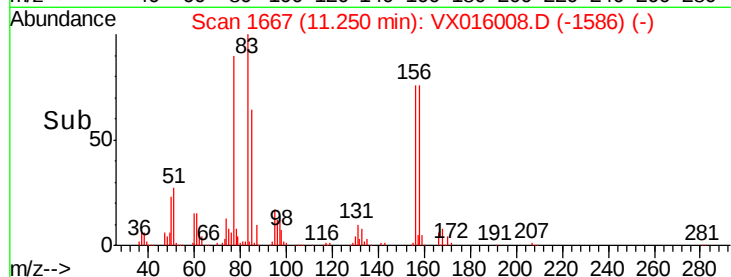
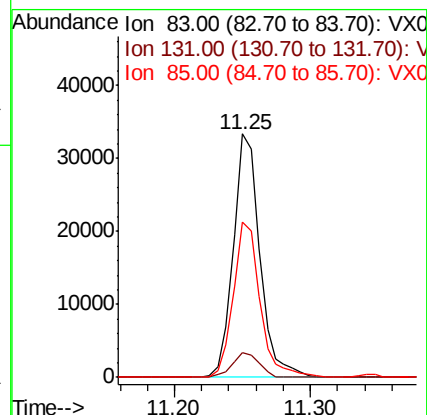
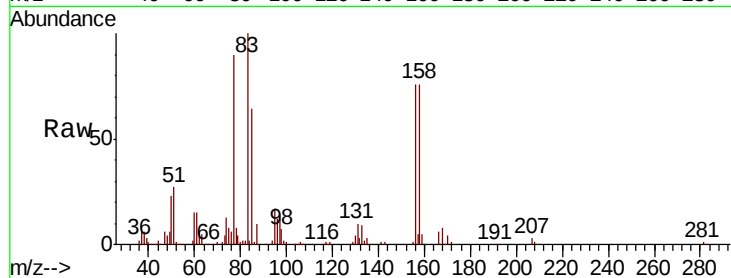
Tot Ion: 83 Resp: 45358

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.4 33.0 98.9



#72

1,2,3-Trichloropropane

Concen: 24.958 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016008.D

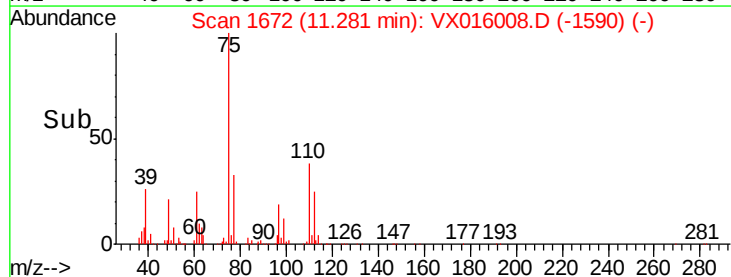
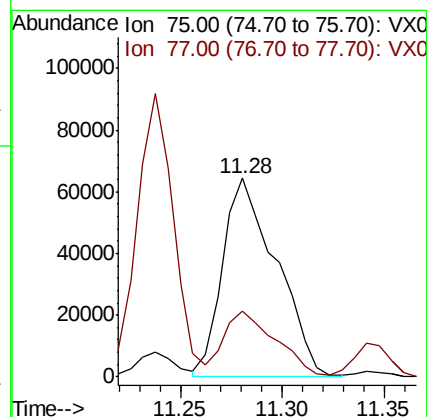
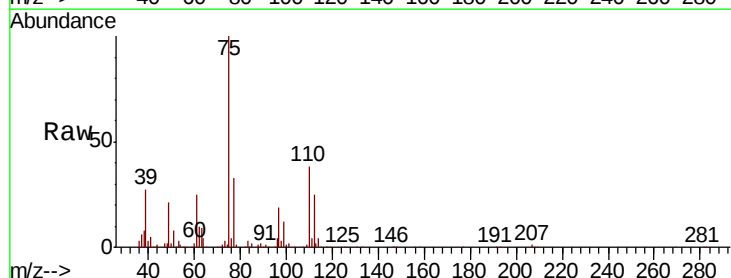
Acq: 01 May 2020 14:00

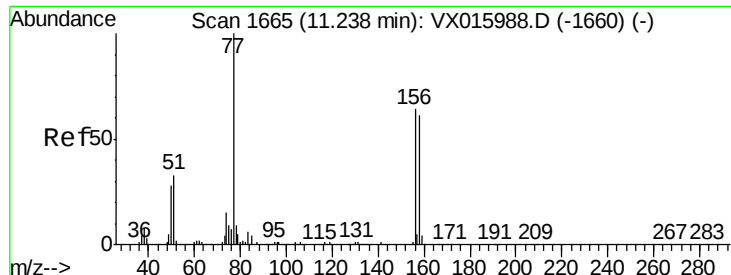
Tgt Ion: 75 Resp: 118093

Ion Ratio Lower Upper

75 100

77 31.6 0.0 86.0





#73

Bromobenzene

Concen: 18.180 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

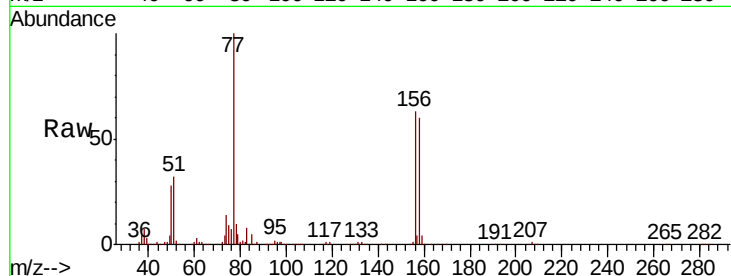
Tot Ion:156 Resp: 71996

Ion Ratio Lower Upper

156 100

77 158.2 0.0 318.0

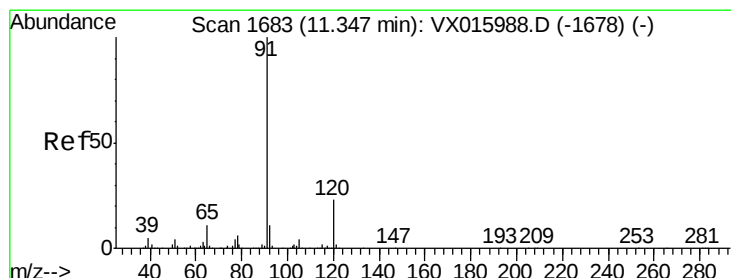
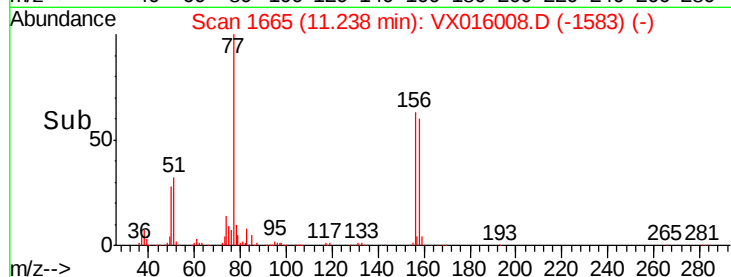
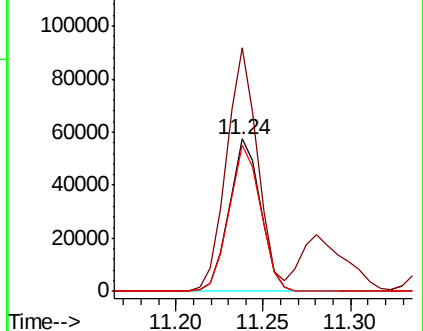
158 96.4 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.810 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016008.D

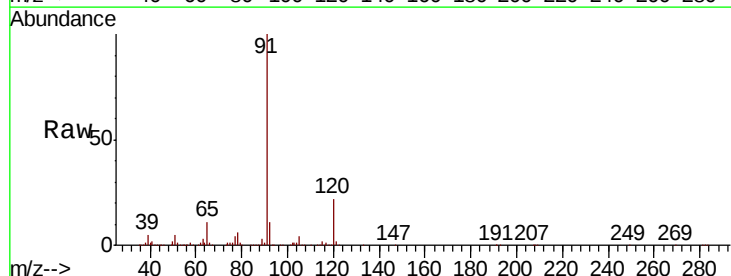
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 325106

Ion Ratio Lower Upper

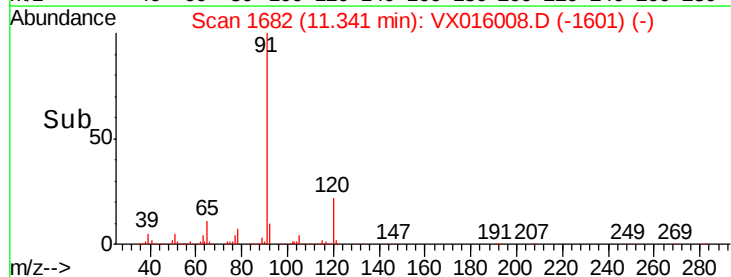
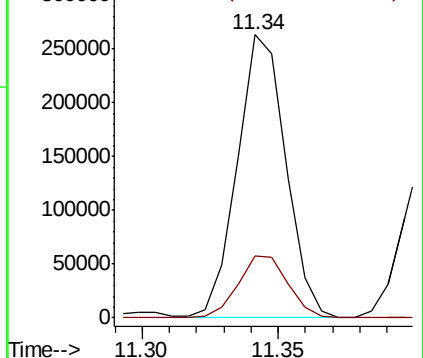
91 100

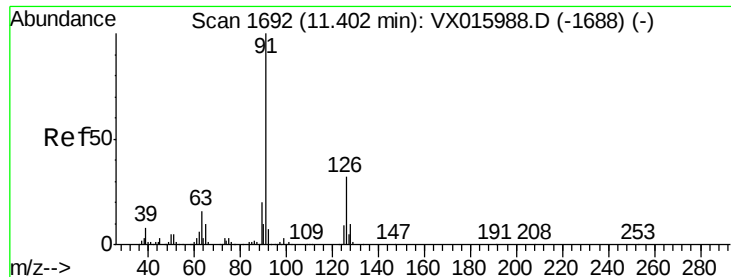
120 22.6 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.683 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

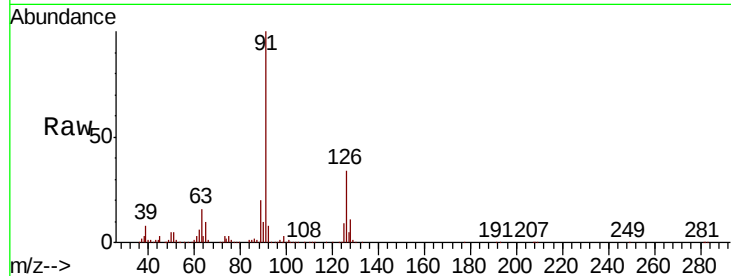
VX0501WBSD02

Tot Ion: 91 Resp: 189679

Ion Ratio Lower Upper

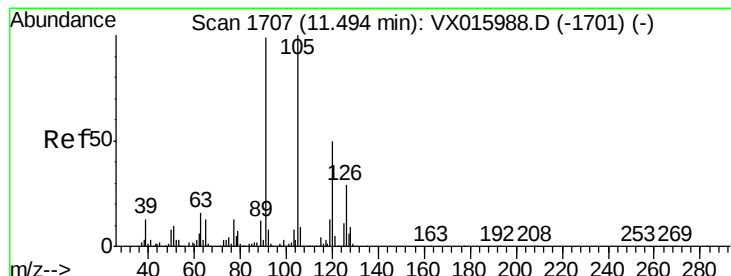
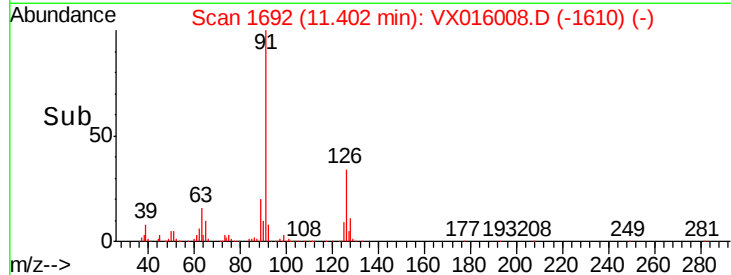
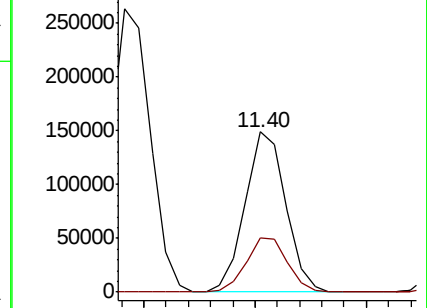
91 100

126 34.5 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 17.587 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016008.D

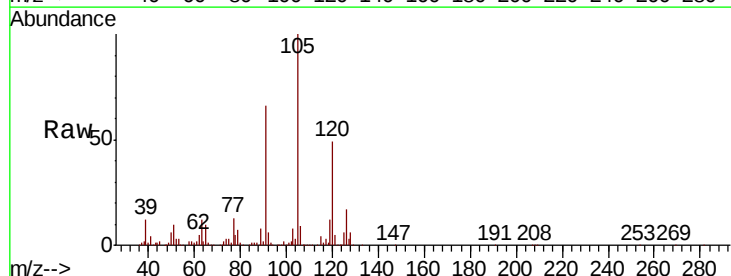
Acq: 01 May 2020 14:00

Tgt Ion:105 Resp: 234603

Ion Ratio Lower Upper

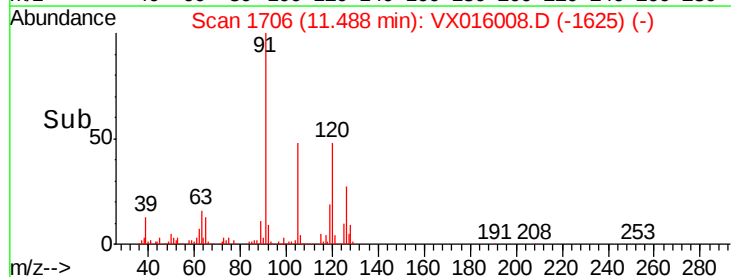
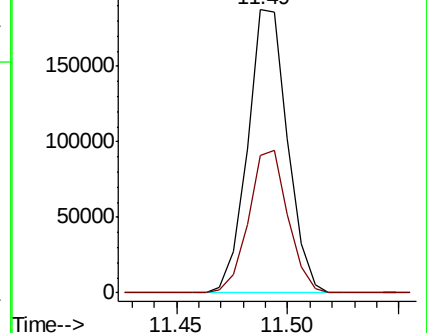
105 100

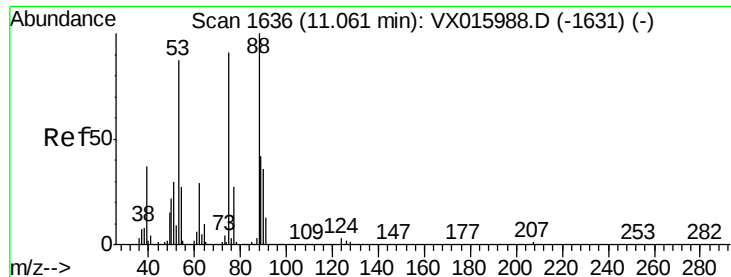
120 49.5 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

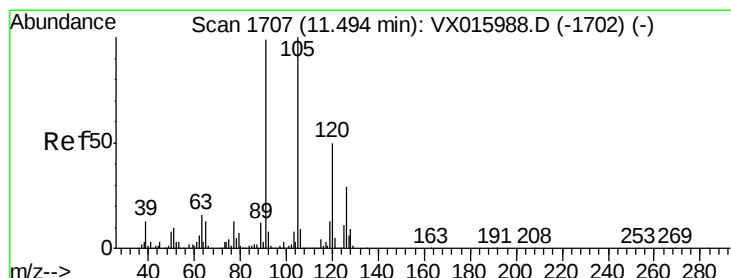
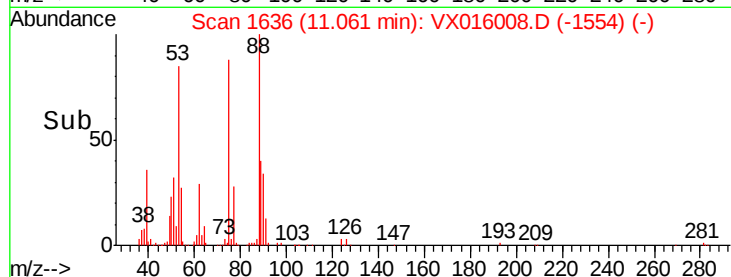
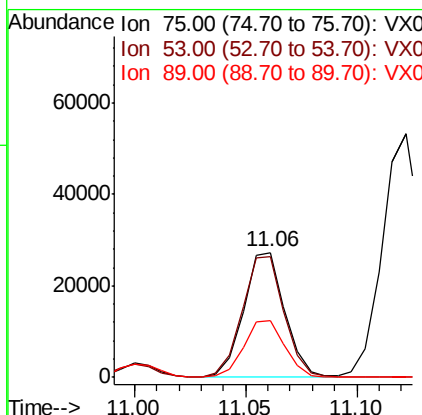
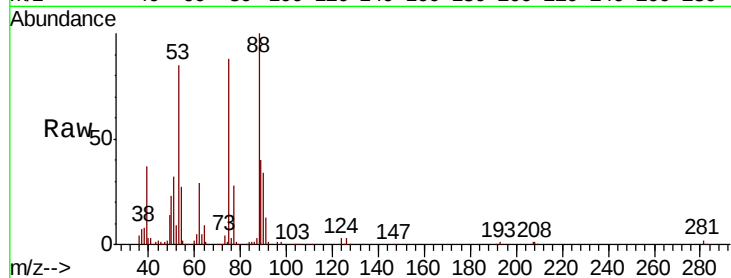




#77  
t-1,4-Dichloro-2-butene  
Concen: 17.171 ug/l  
RT: 11.06 min Scan# 1636  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

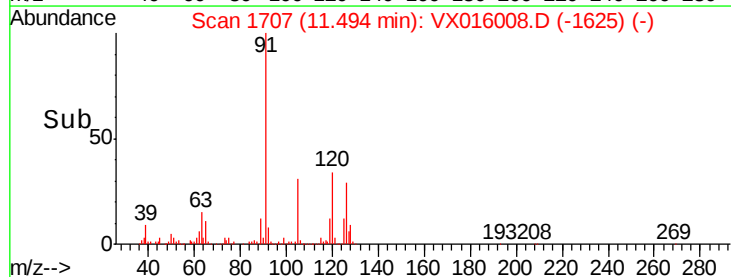
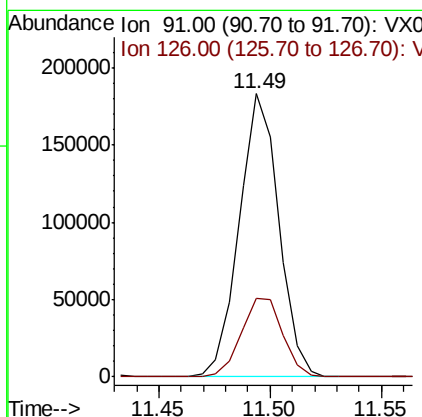
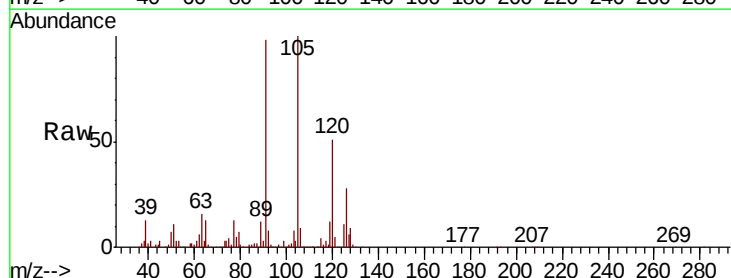
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0501WBSD02

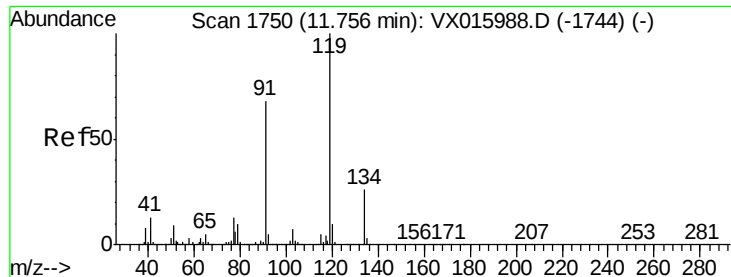
Tot Ion: 75 Resp: 34935  
Ion Ratio Lower Upper  
75 100  
53 97.0 48.0 144.2  
89 45.4 23.4 70.3



#78  
4-Chlorotoluene  
Concen: 17.818 ug/l  
RT: 11.49 min Scan# 1707  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 226236  
Ion Ratio Lower Upper  
91 100  
126 29.2 0.0 58.4





#79

tert-butylbenzene

Concen: 17.638 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

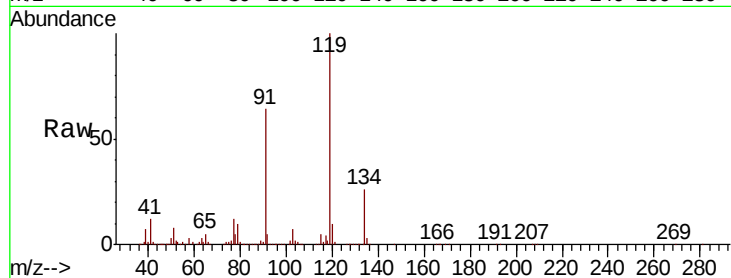
Tot Ion:119 Resp: 200943

Ion Ratio Lower Upper

119 100

91 65.7 0.0 135.6

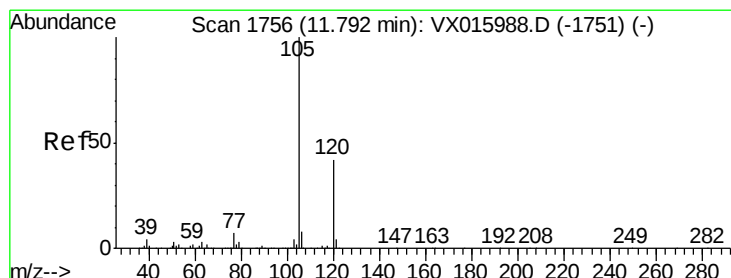
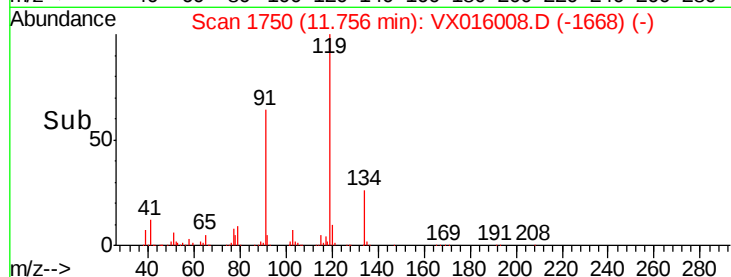
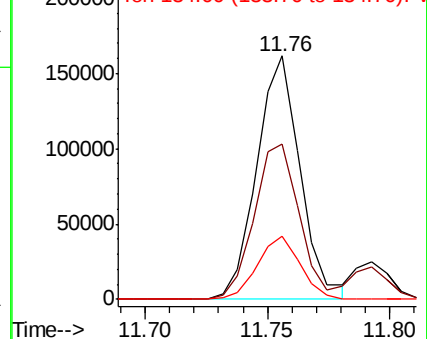
134 25.4 0.0 51.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.804 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016008.D

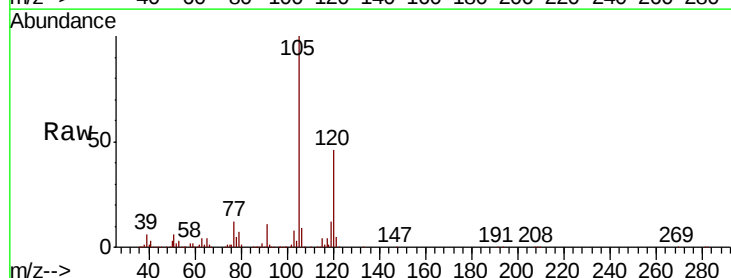
Acq: 01 May 2020 14:00

Tgt Ion:105 Resp: 237279

Ion Ratio Lower Upper

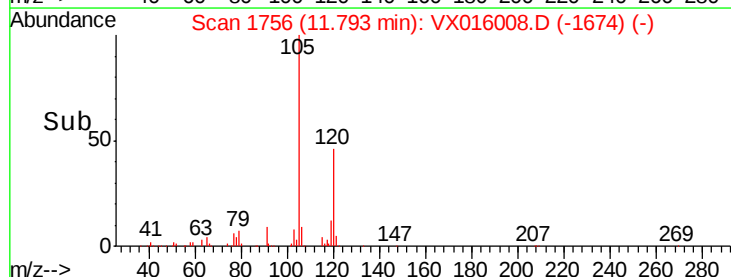
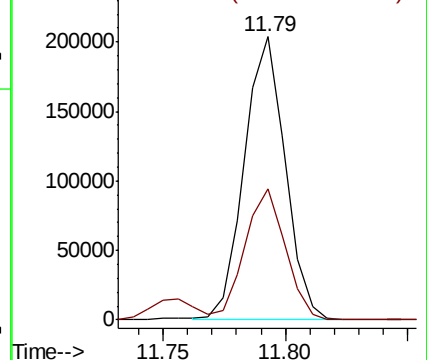
105 100

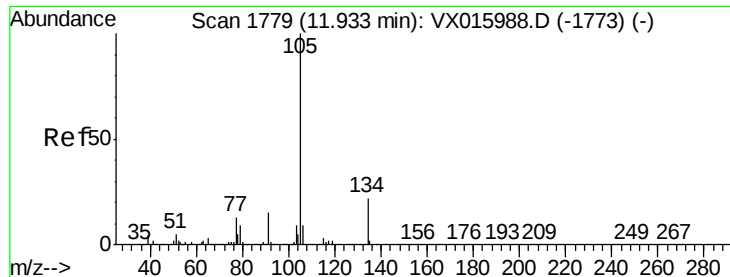
120 45.9 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.672 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

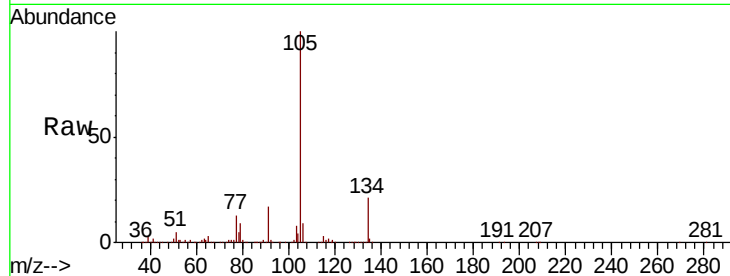
VX0501WBSD02

Tot Ion:105 Resp: 271545

Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

250000

200000

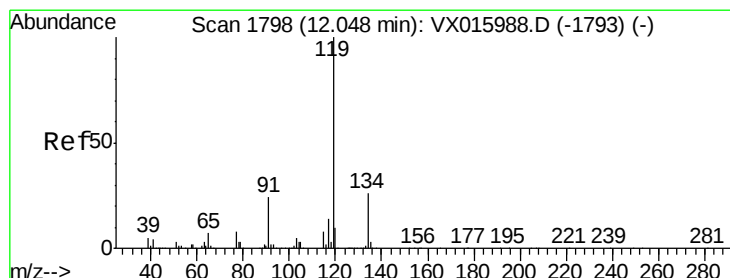
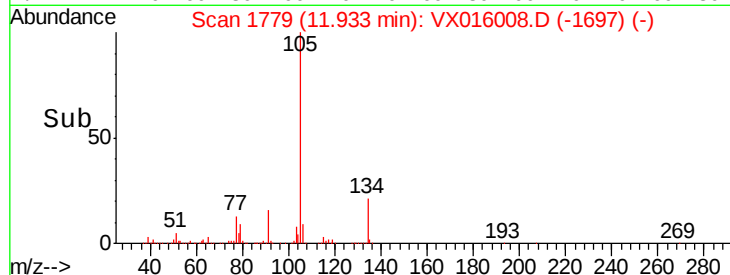
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 17.686 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

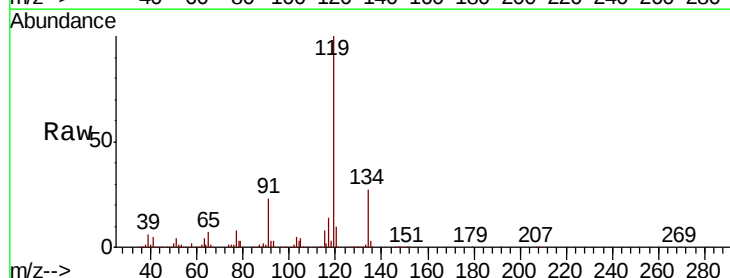
Tgt Ion:119 Resp: 251847

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.6

91 23.6 0.0 47.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

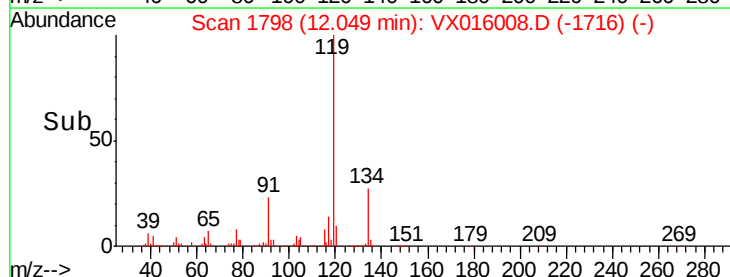
150000

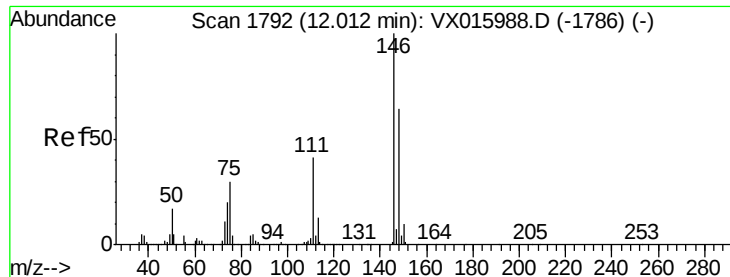
100000

50000

0

Time-->

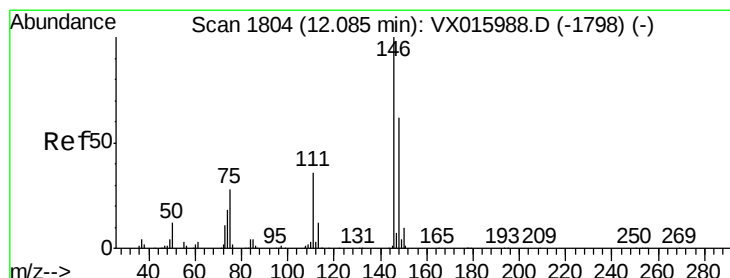
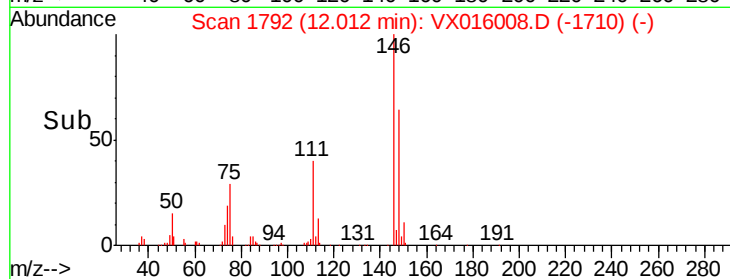
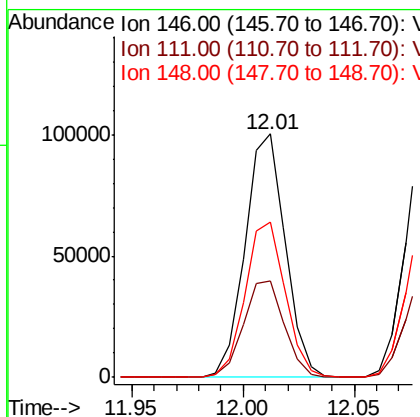
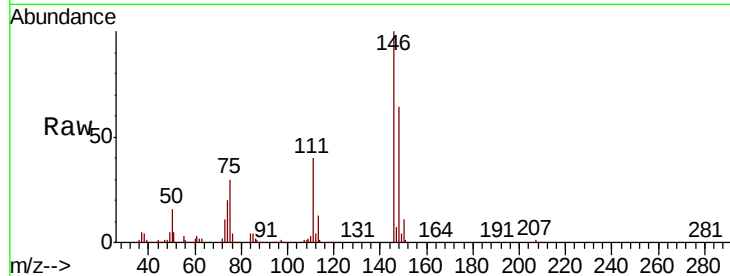




#83  
 1,3-Dichlorobenzene  
 Concen: 17.683 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

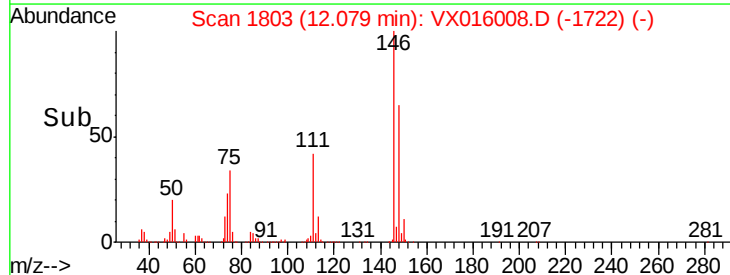
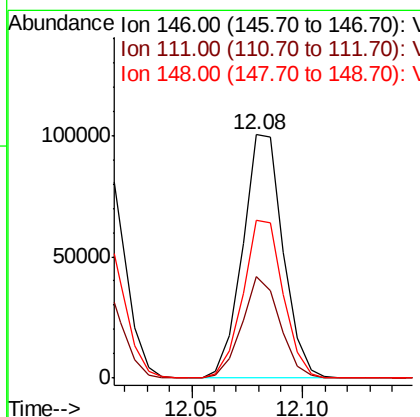
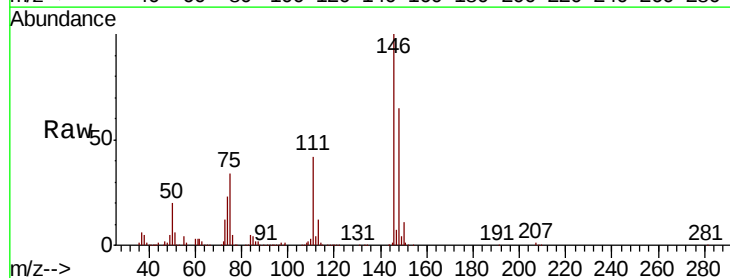
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

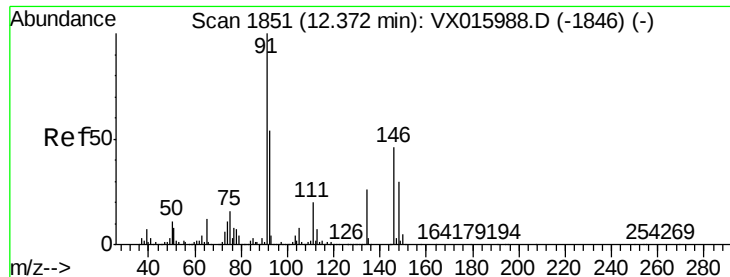
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.4  | 61.3  |
| 148     | 63.8  | 31.9  | 95.9  |



#84  
 1,4-Dichlorobenzene  
 Concen: 17.981 ug/l  
 RT: 12.08 min Scan# 1803  
 Delta R.T. -0.01 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.7  | 59.0  |
| 148     | 64.4  | 32.0  | 96.0  |

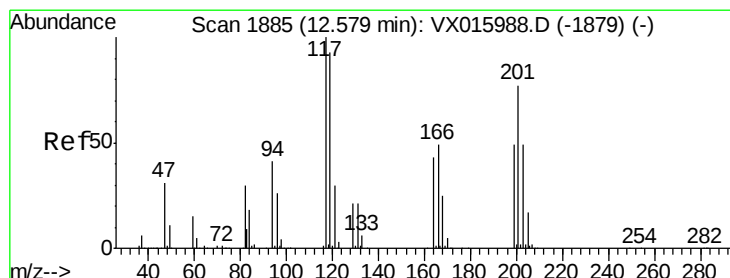
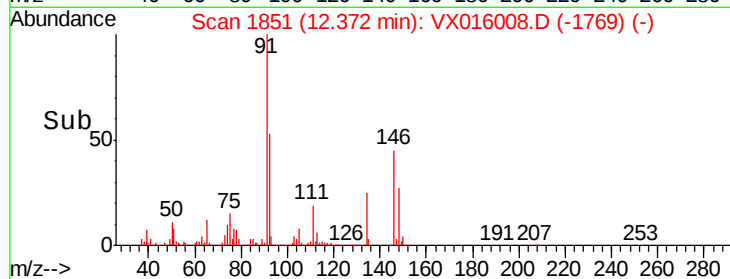
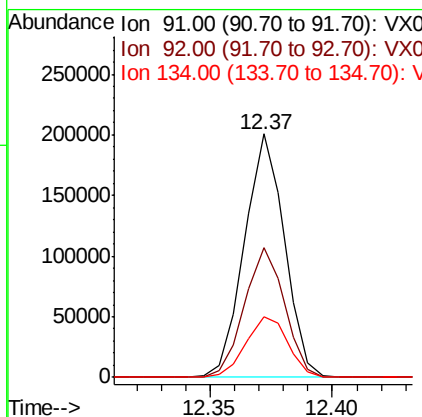
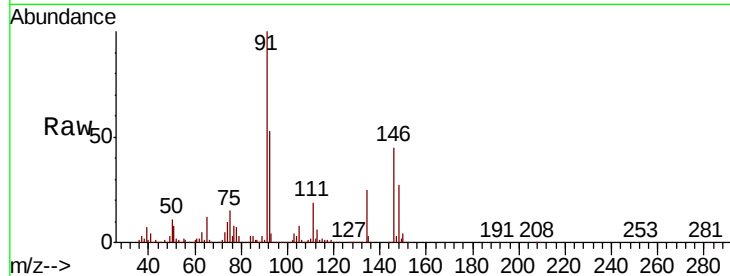




#85  
n-Butylbenzene  
Concen: 17.588 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

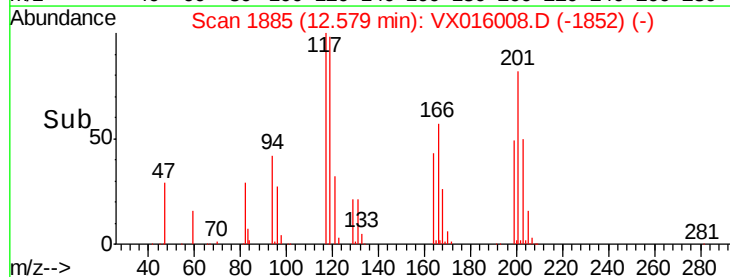
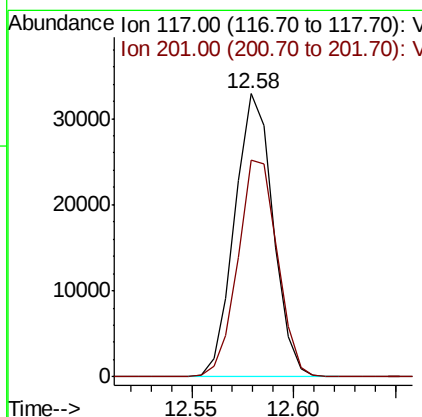
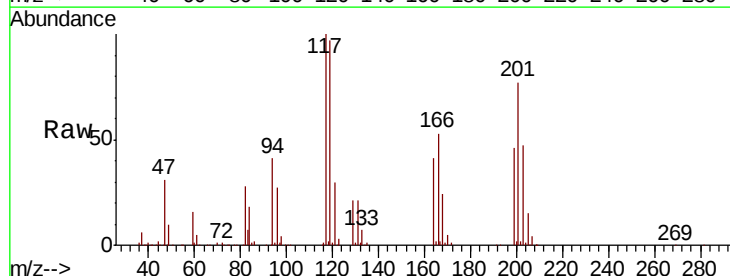
Instrument :  
MSVOA\_X  
ClientSampleID :  
VX0501WBSD02

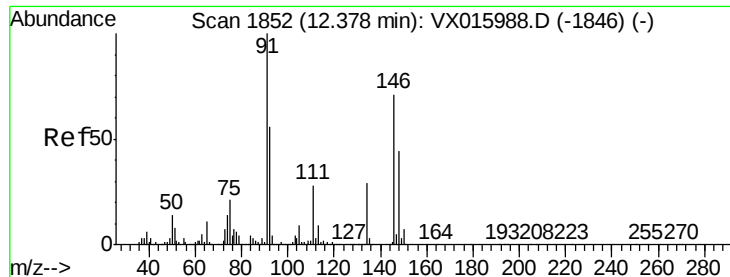
Tot Ion: 91 Resp: 228768  
Ion Ratio Lower Upper  
91 100  
92 53.6 0.0 110.2  
134 26.2 0.0 53.4



#86  
Hexachloroethane  
Concen: 17.132 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX016008.D  
Acq: 01 May 2020 14:00

Tgt Ion: 117 Resp: 42947  
Ion Ratio Lower Upper  
117 100  
201 79.0 40.1 120.2





#87

1,2-Dichlorobenzene

Concen: 17.871 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

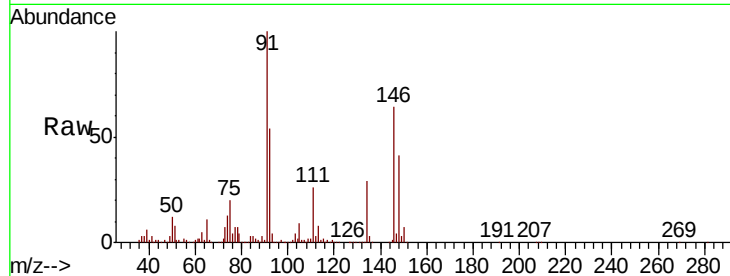
Tot Ion:146 Resp: 123403

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

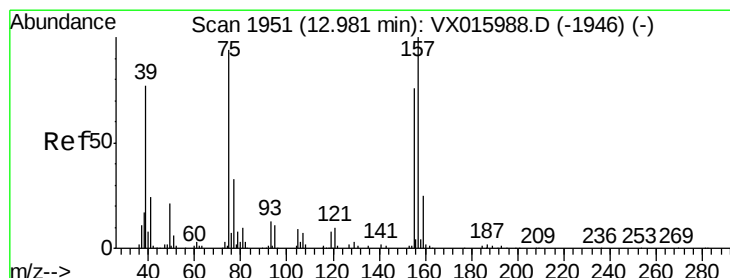
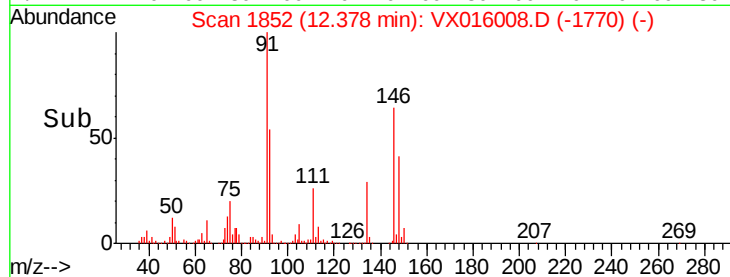
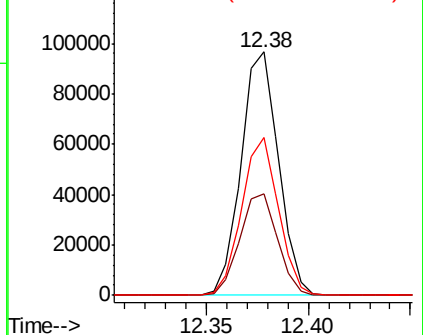
148 63.6 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.022 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

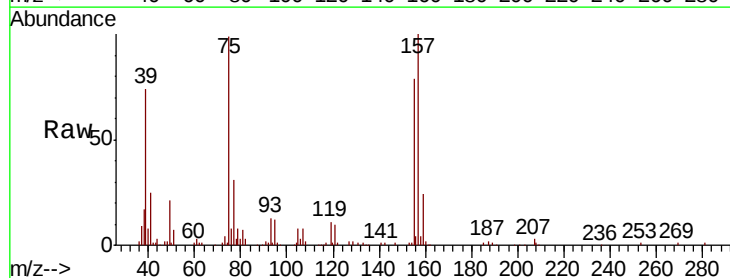
Tgt Ion: 75 Resp: 22032

Ion Ratio Lower Upper

75 100

155 80.9 66.9 100.3

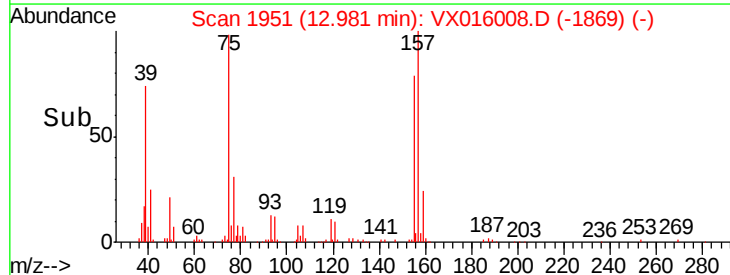
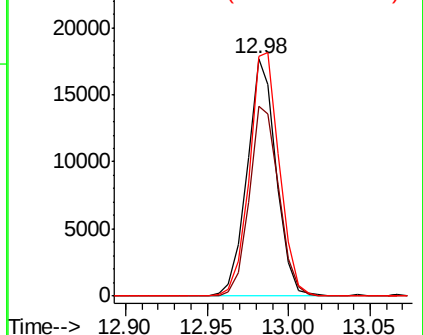
157 105.2 88.2 132.2

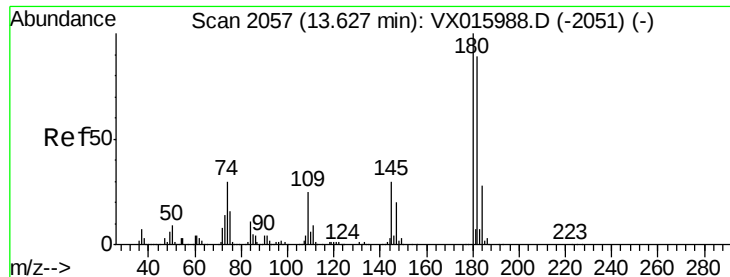


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

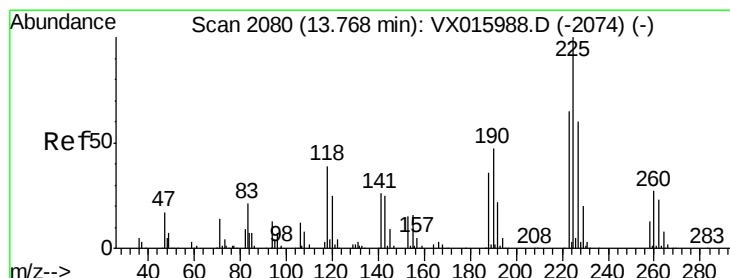
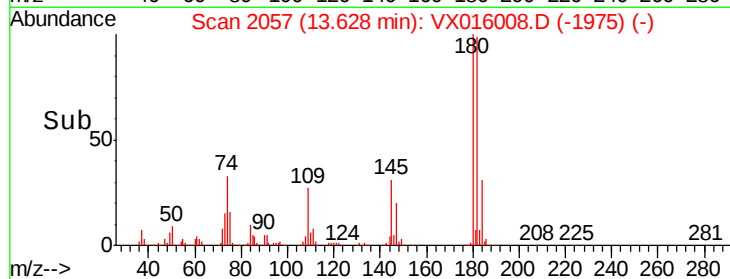
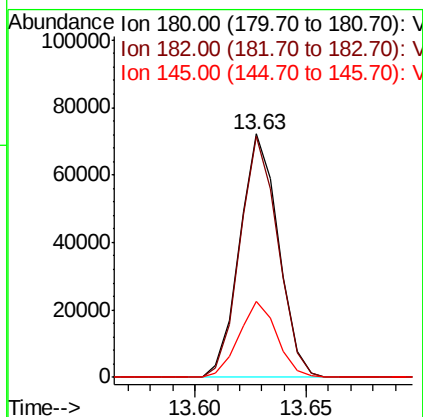
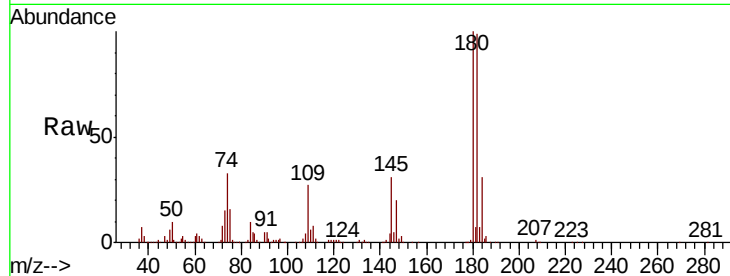




#89  
 1,2,4-Trichlorobenzene  
 Concen: 17.238 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

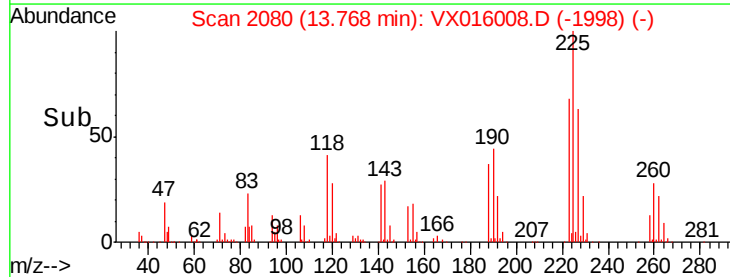
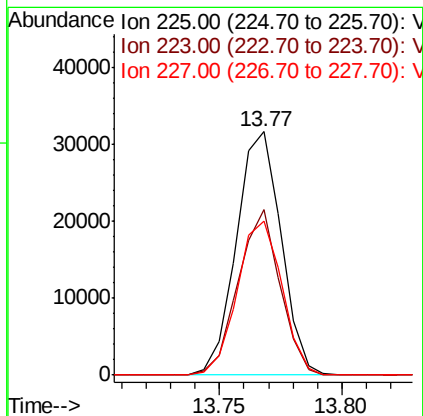
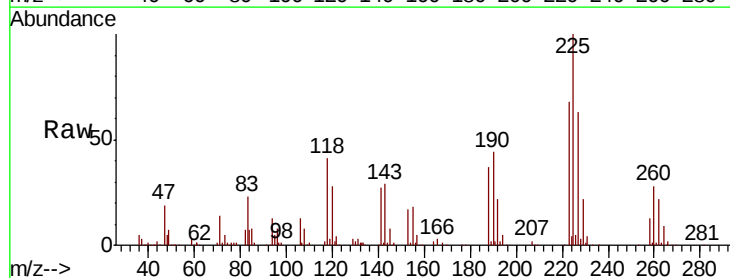
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0501WBSD02

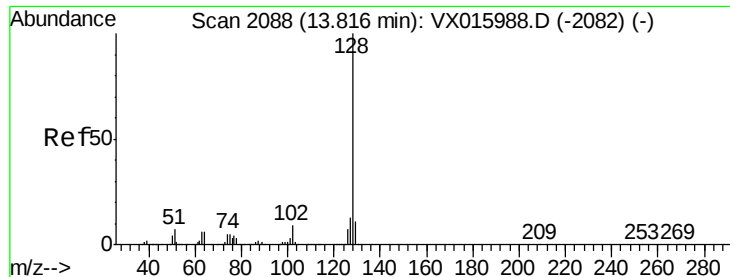
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.3  | 75.0  | 112.6 |
| 145     | 30.5  | 23.9  | 35.9  |



#90  
 Hexachlorobutadiene  
 Concen: 18.452 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX016008.D  
 Acq: 01 May 2020 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 0.0   | 123.6 |
| 227     | 63.1  | 0.0   | 123.6 |





#91

Naphthalene

Concen: 18.082 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

VX0501WBSD02

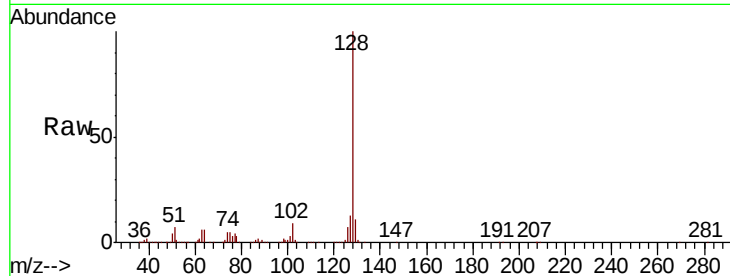
Tot Ion:128 Resp: 292792

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

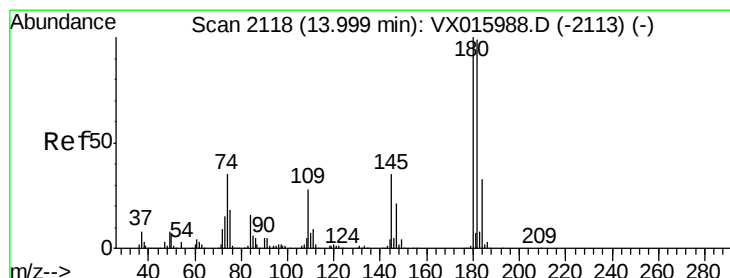
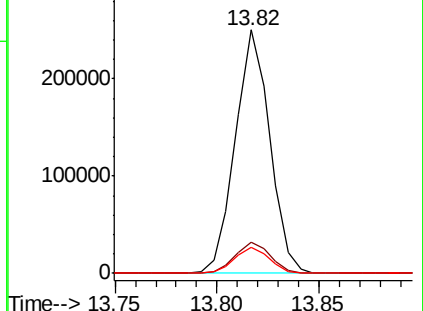
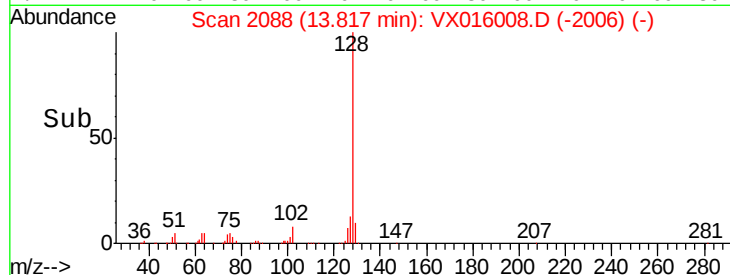
129 10.8 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 18.169 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

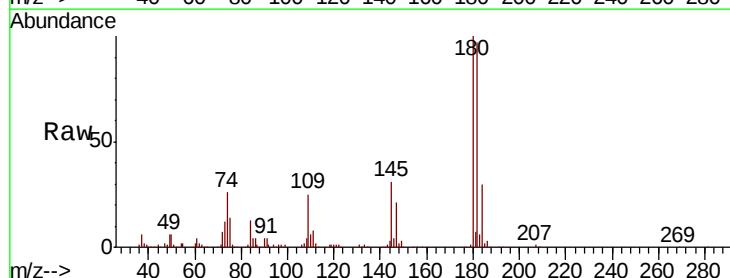
Tgt Ion:180 Resp: 88778

Ion Ratio Lower Upper

180 100

182 94.4 0.0 197.2

145 32.5 0.0 66.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

