

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX032719\  
 Data File : VX008475.D  
 Acq On : 27 Mar 2019 11:40  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 27 12:00:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X032719W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Mar 27 11:27:58 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 34740    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 210067   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 193082   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 87983    | 37.06    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 123.53% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 102256   | 32.54    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 108.47% |
| 63) Toluene-d8            | 8.71   | 98    | 266094   | 30.59    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.97% |

## Target Compounds

|                               |      |     |         |          |        | Qvalue |
|-------------------------------|------|-----|---------|----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 344058  | 184.582  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50  | 454055  | 238.244  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.40 | 62  | 453937  | 211.327  | ug/l   | 98     |
| 5) Bromomethane               | 1.64 | 94  | 255415  | 65.593   | ug/l   | 99     |
| 6) Chloroethane               | 1.70 | 64  | 259669  | 170.095  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 493532  | 144.331  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 232623  | 175.410  | ug/l   | 80     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 307517  | 162.613  | ug/l   | 93     |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 319920  | 171.387  | ug/l   | 87     |
| 11) Methyl Iodide             | 2.51 | 142 | 381811  | 135.310  | ug/l   | 96     |
| 12) Methyl Acetate            | 3.20 | 43  | 259169  | 127.238  | ug/l   | 91     |
| 13) Acrolein                  | 2.29 | 56  | 377858  | 1184.166 | ug/l   | 98     |
| 14) Acrylonitrile             | 3.15 | 53  | 1211961 | 1198.959 | ug/l   | 99     |
| 15) Acetone                   | 2.45 | 58  | 349643  | 882.069  | ug/l   | 91     |
| 16) Carbon Disulfide          | 2.56 | 76  | 1014539 | 196.018  | ug/l   | 98     |
| 17) Allyl chloride            | 2.72 | 41  | 736655  | 267.441  | ug/l   | 88     |
| 18) Methylene Chloride        | 2.85 | 84  | 375429  | 186.834  | ug/l   | 88     |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 341991  | 172.592  | ug/l   | 87     |
| 20) Diisopropyl ether         | 3.86 | 45  | 1403954 | 243.767  | ug/l # | 93     |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 700915  | 206.063  | ug/l   | 96     |
| 22) cis-1,2-Dichloroethene    | 4.59 | 96  | 395867  | 173.215  | ug/l # | 80     |
| 23) tert-Butyl Alcohol        | 3.07 | 59  | 494736  | 1205.592 | ug/l   | 100    |
| 24) Methyl tert-Butyl Ether   | 3.20 | 73  | 1181343 | 196.989  | ug/l   | 99     |
| 25) Chloroform                | 5.21 | 83  | 632280  | 175.233  | ug/l   | 98     |
| 26) Cyclohexane               | 5.58 | 56  | 674432  | 224.199  | ug/l # | 84     |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 506800  | 169.862  | ug/l   | 93     |
| 30) 2-Butanone                | 4.68 | 43  | 1843244 | 1072.587 | ug/l   | 94     |
| 31) 2,2-Dichloropropane       | 4.58 | 77  | 516873  | 184.002  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 528589  | 150.572  | ug/l   | 95     |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 447773  | 138.885  | ug/l   | 96     |
| 34) Benzene                   | 6.14 | 78  | 1525959 | 171.699  | ug/l # | 96     |
| 35) Methacrylonitrile         | 5.04 | 41  | 381901  | 238.575  | ug/l   | 91     |
| 36) 1,2-Dichloroethane        | 6.19 | 62  | 538113  | 164.271  | ug/l   | 97     |
| 37) Trichloroethene           | 7.21 | 130 | 358415  | 137.163  | ug/l   | 85     |
| 38) Methylcyclohexane         | 7.46 | 83  | 629622  | 168.378  | ug/l   | 89     |
| 39) 1,2-Dichloropropane       | 7.51 | 63  | 429810  | 190.062  | ug/l   | 100    |
| 40) Dibromomethane            | 7.66 | 93  | 252413  | 152.184  | ug/l   | 89     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX032719\  
 Data File : VX008475.D  
 Acq On : 27 Mar 2019 11:40  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 27 12:00:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X032719W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Mar 27 11:27:58 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 515250   | 163.715  | ug/l   | 99       |
| 42) Vinyl Acetate              | 3.82  | 43   | 6291030  | 1089.150 | ug/l # | 94       |
| 43) Ethyl Acetate              | 4.84  | 43   | 678490   | 223.671  | ug/l # | 83       |
| 44) Isopropyl Acetate          | 6.45  | 43   | 1128951  | 236.486  | ug/l   | 98       |
| 45) 1,4-Dioxane                | 7.74  | 88   | 207048   | 3448.267 | ug/l # | 83       |
| 46) Methyl methacrylate        | 7.77  | 41   | 575021   | 245.483  | ug/l   | 86       |
| 47) n-amyl Acetate             | 10.90 | 43   | 1057626  | 258.406  | ug/l   | 92       |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 626942   | 198.963  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 667919   | 189.958  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 383339   | 160.881  | ug/l   | 98       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 746528   | 214.603  | ug/l   | 91       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 675818   | 176.852  | ug/l   | 99       |
| 53) Dibromochloromethane       | 9.59  | 129  | 397798   | 148.103  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 400377   | 153.151  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 1891618  | 1080.832 | ug/l   | 95       |
| 56) Bromoform                  | 10.86 | 173  | 304418   | 143.558  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone       | 8.65  | 43   | 3656961  | 1124.898 | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.49  | 43   | 2823425  | 1097.923 | ug/l   | 98       |
| 61) Tetrachloroethene          | 9.34  | 164  | 291585   | 112.187  | ug/l   | 97       |
| 62) Toluene                    | 8.79  | 91   | 1620045  | 158.071  | ug/l   | 99       |
| 64) Chlorobenzene              | 10.14 | 112  | 984309   | 148.973  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 357109   | 141.513  | ug/l   | 98       |
| 66) Ethyl Benzene              | 10.25 | 91   | 1846890  | 166.629  | ug/l   | 96       |
| 67) m/p-Xylenes                | 10.36 | 106  | 1362470  | 309.284  | ug/l   | 92       |
| 68) o-Xylene                   | 10.70 | 106  | 663631   | 156.819  | ug/l   | 91       |
| 69) Styrene                    | 10.71 | 104  | 1194206  | 167.151  | ug/l   | 96       |
| 70) Isopropylbenzene           | 11.02 | 105  | 1740049  | 156.281  | ug/l   | 96       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 652943   | 171.978  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 794552   | 259.798  | ug/l   | 87       |
| 73) Bromobenzene               | 11.26 | 156  | 427433   | 138.752  | ug/l   | 77       |
| 74) n-propylbenzene            | 11.36 | 91   | 2118064  | 170.666  | ug/l   | 95       |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 1244561  | 167.921  | ug/l   | 90       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 1523240  | 160.145  | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 247684   | 228.605  | ug/l   | 88       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 1468057  | 168.301  | ug/l   | 91       |
| 79) tert-butylbenzene          | 12.06 | 119  | 1551783  | 155.097  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1506860  | 159.428  | ug/l   | 96       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 1727339  | 159.215  | ug/l   | 96       |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 1551783  | 155.097  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 757528   | 141.678  | ug/l   | 95       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 758150   | 142.387  | ug/l   | 96       |
| 85) n-Butylbenzene             | 12.38 | 91   | 1540710  | 179.021  | ug/l   | 97       |
| 86) Hexachloroethane           | 12.60 | 117  | 281491   | 163.242  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 752713   | 142.748  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 149210   | 171.678  | ug/l # | 77       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 532422   | 142.665  | ug/l   | 98       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 250363   | 133.264  | ug/l   | 98       |
| 91) Naphthalene                | 13.83 | 128  | 1765776  | 157.536  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 522471   | 138.482  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX032719\  
Data File : VX008475.D  
Acq On : 27 Mar 2019 11:40  
Operator : JC/SP  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

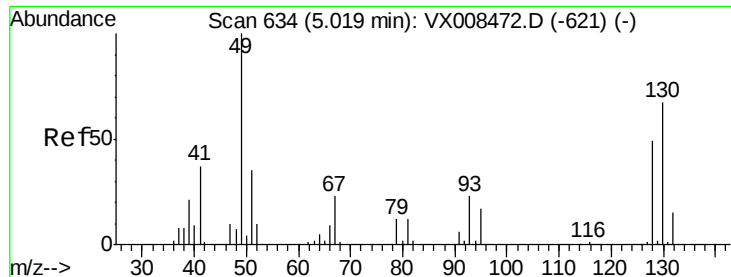
Quant Time: Mar 27 12:00:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X032719W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Mar 27 11:27:58 2019  
Response via : Initial Calibration

| 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: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

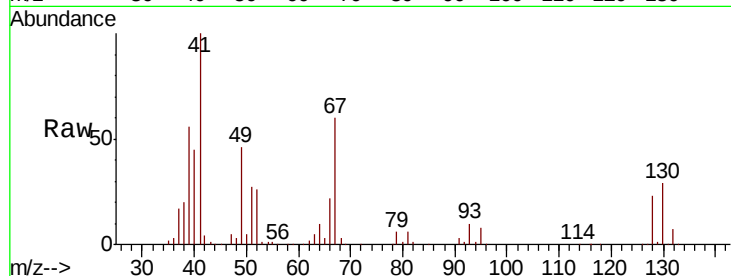
Tgt Ion:128 Resp: 34740

Ion Ratio Lower Upper

128 100

49 212.2 0.0 350.8

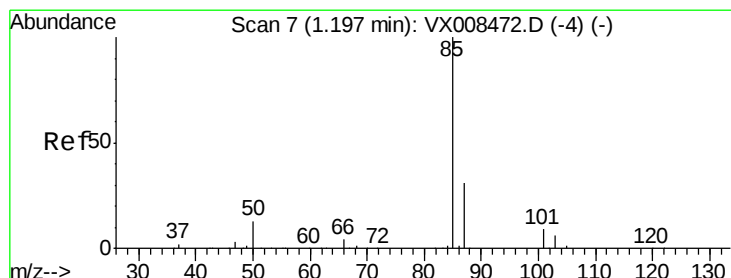
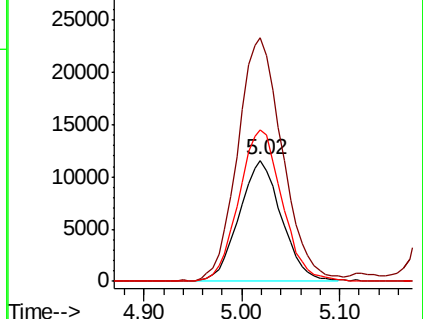
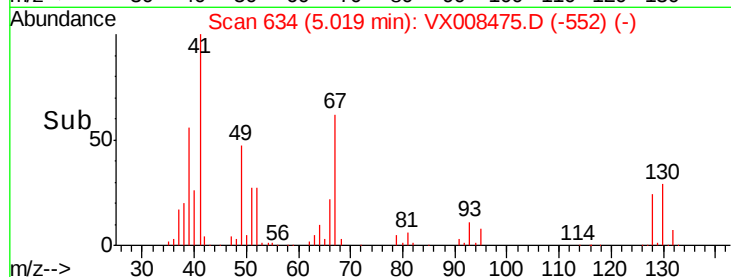
130 128.0 0.0 325.8



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: 184.582 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008475.D

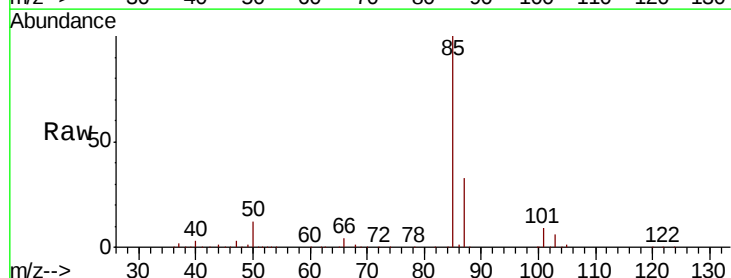
Acq: 27 Mar 2019 11:40

Tgt Ion: 85 Resp: 344058

Ion Ratio Lower Upper

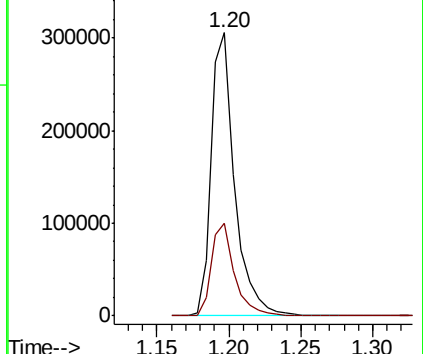
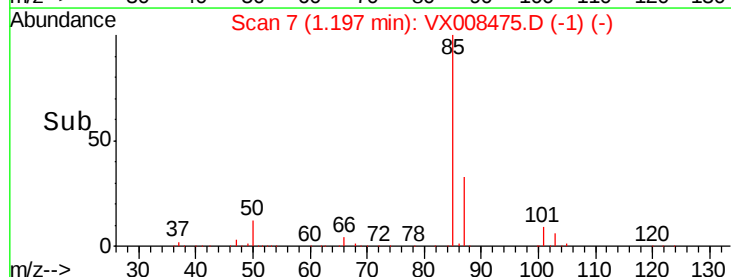
85 100

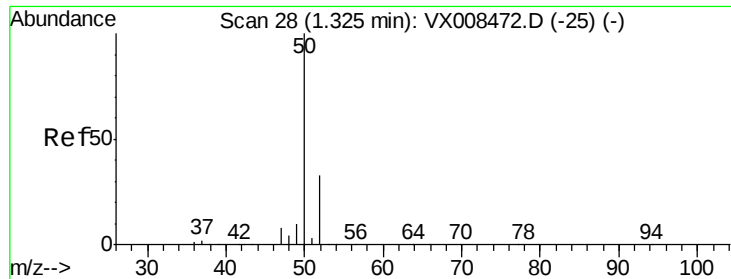
87 32.9 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 238.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

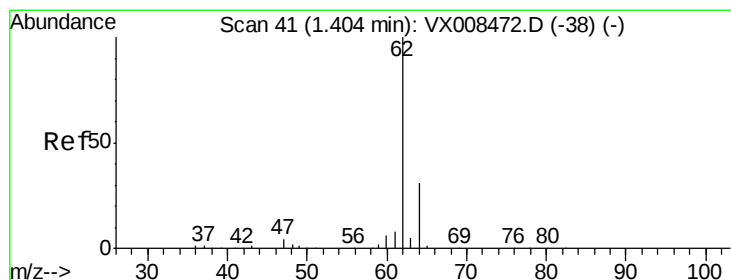
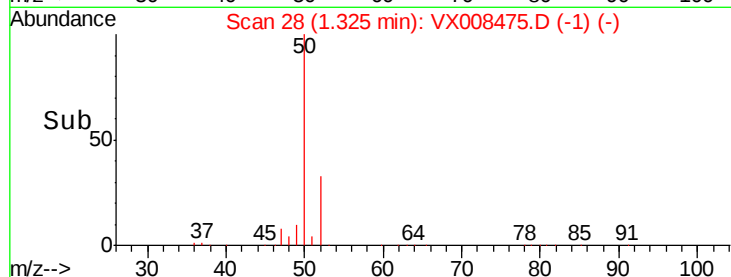
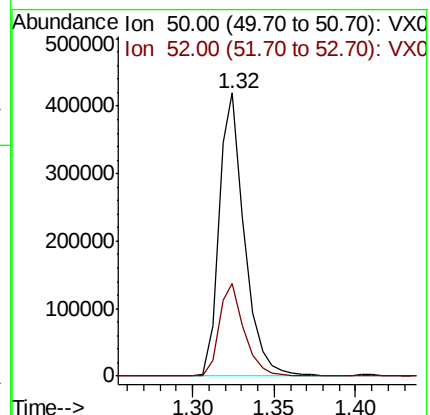
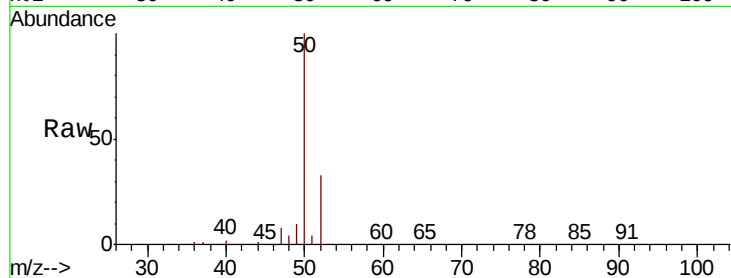
VSTDIC150

Tgt Ion: 50 Resp: 454055

Ion Ratio Lower Upper

50 100

52 32.7 27.5 41.3



#4

Vinyl Chloride

Concen: 211.327 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008475.D

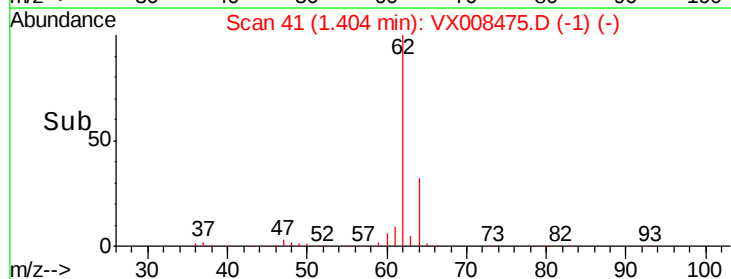
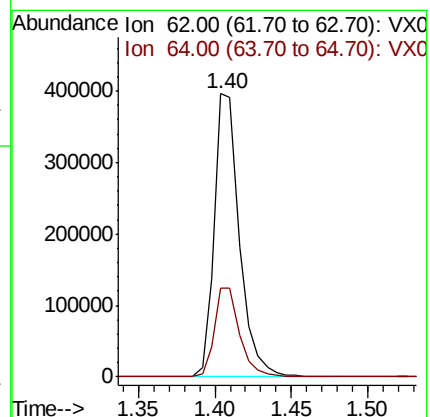
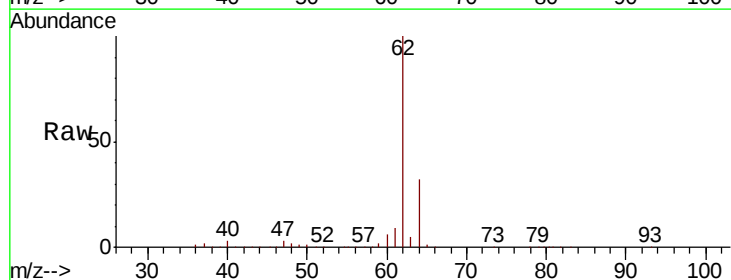
Acq: 27 Mar 2019 11:40

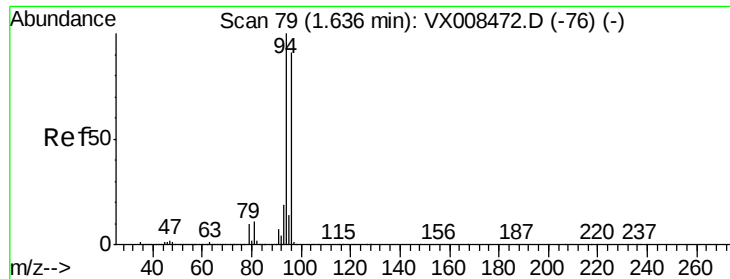
Tgt Ion: 62 Resp: 453937

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 65.593 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

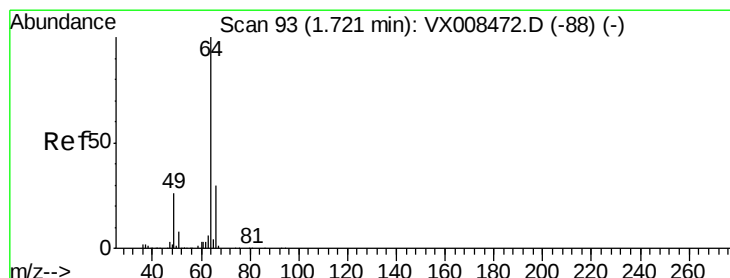
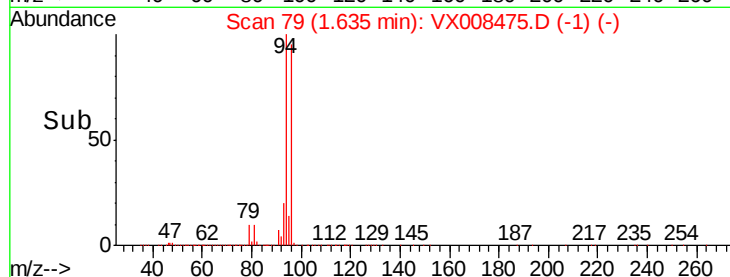
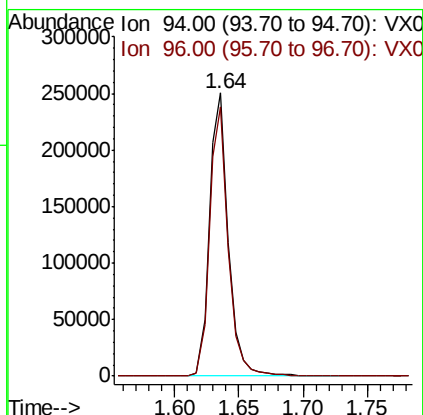
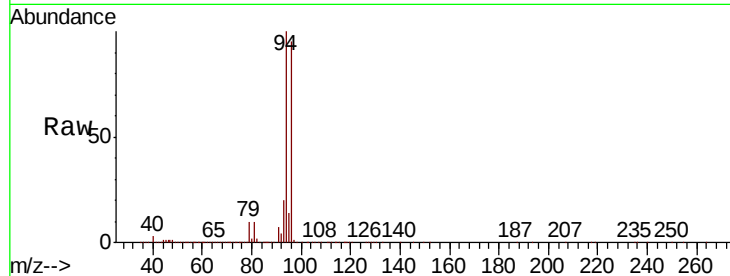
VSTDIC150

Tgt Ion: 94 Resp: 255415

Ion Ratio Lower Upper

94 100

96 95.2 75.6 113.4



#6

Chloroethane

Concen: 170.095 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008475.D

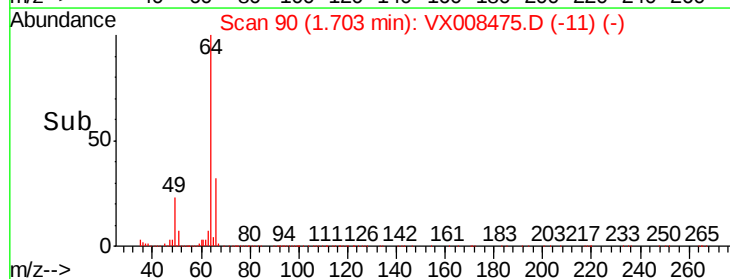
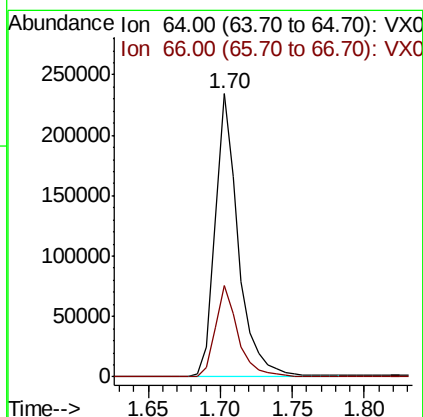
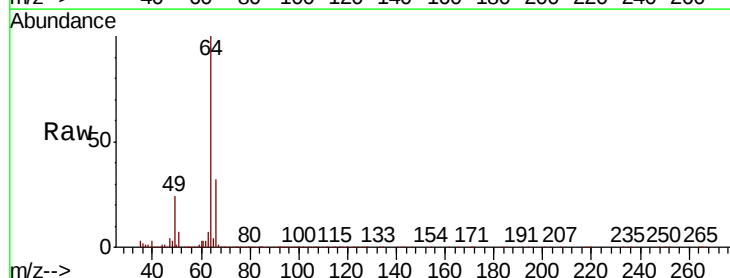
Acq: 27 Mar 2019 11:40

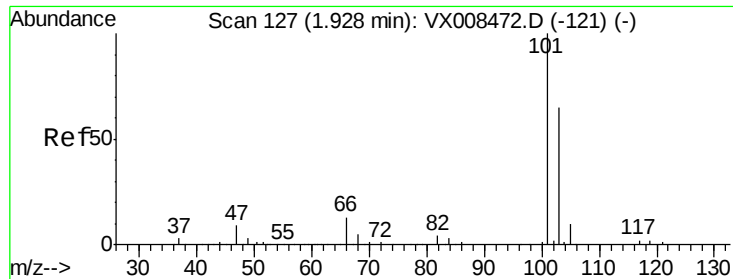
Tgt Ion: 64 Resp: 259669

Ion Ratio Lower Upper

64 100

66 32.3 23.9 35.9



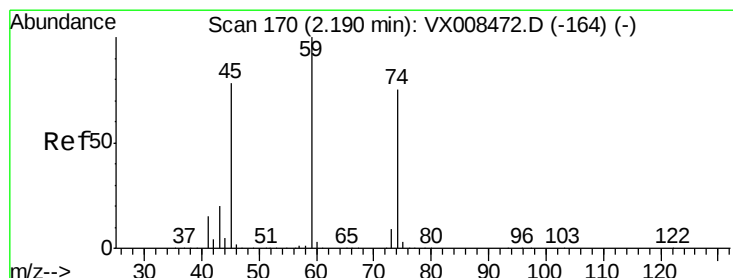
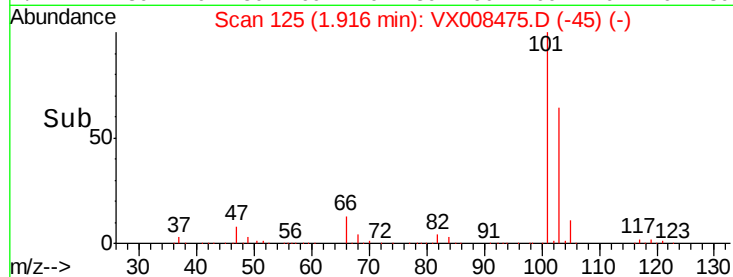
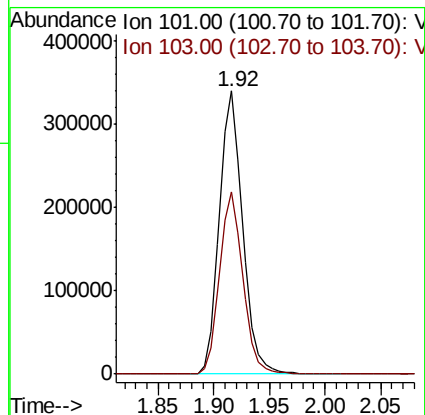
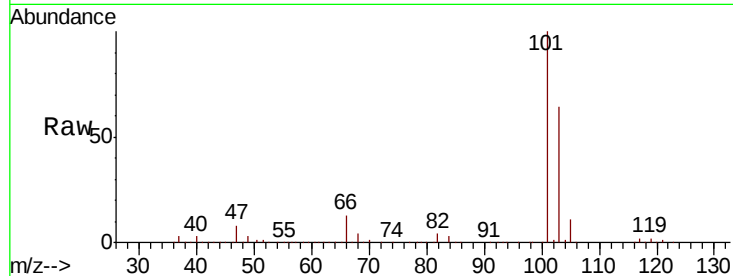


#7

Trichlorofluoromethane  
Concen: 144.331 ug/l  
RT: 1.92 min Scan# 125  
Delta R.T. -0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

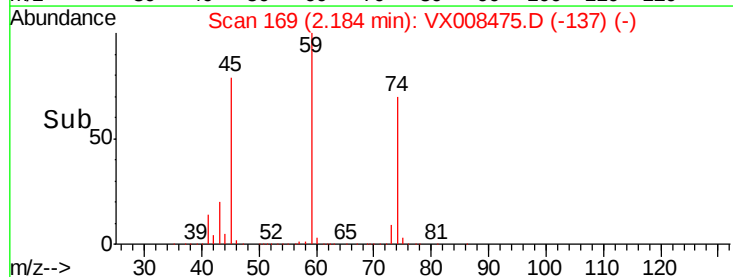
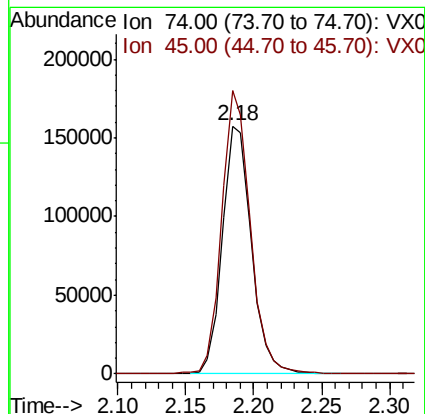
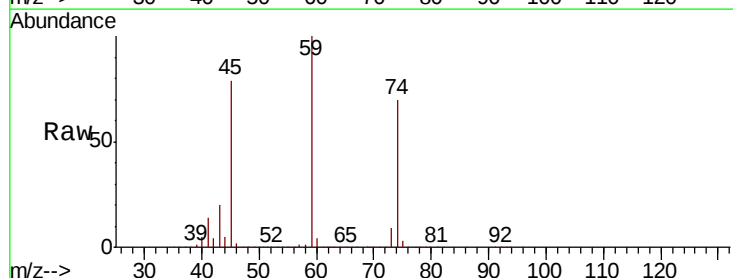
Tgt Ion:101 Resp: 493532  
Ion Ratio Lower Upper  
101 100  
103 64.2 50.4 75.6

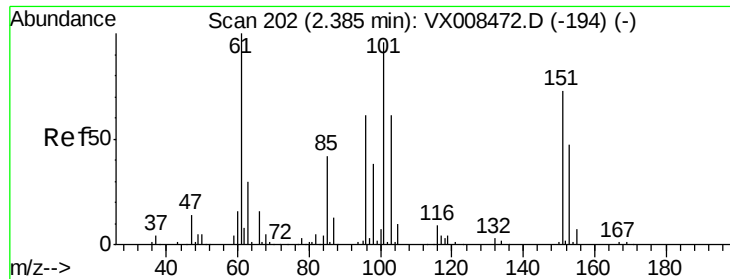


#8

Diethyl Ether  
Concen: 175.410 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. -0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 74 Resp: 232623  
Ion Ratio Lower Upper  
74 100  
45 112.5 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 162.613 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

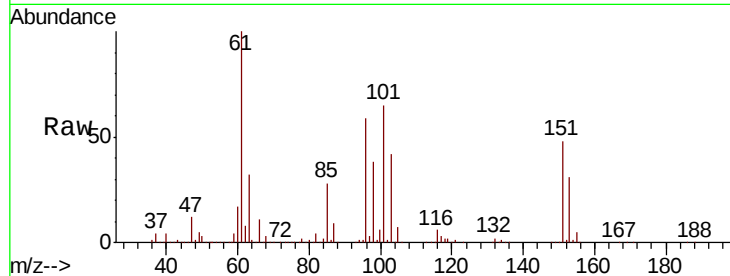
Tgt Ion: 101 Resp: 307517

Ion Ratio Lower Upper

101 100

85 44.6 0.0 86.8

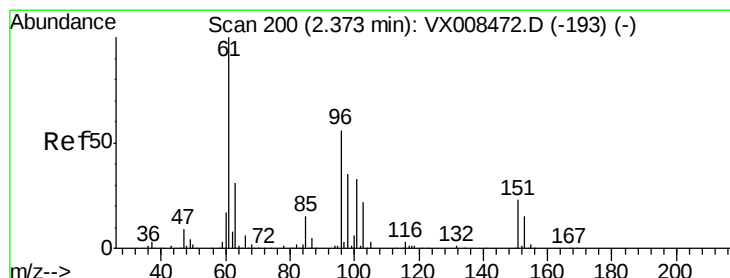
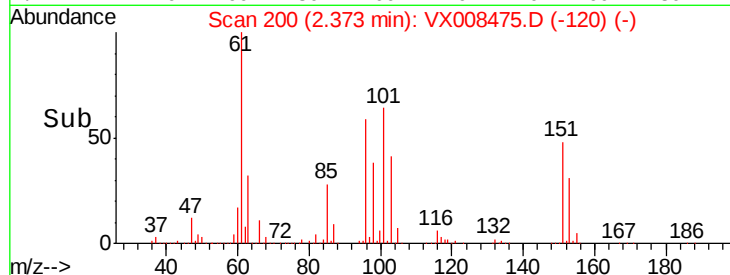
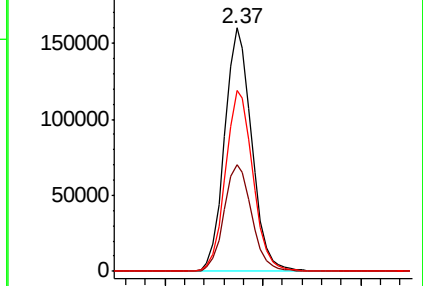
151 75.2 0.0 169.2



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: 171.387 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

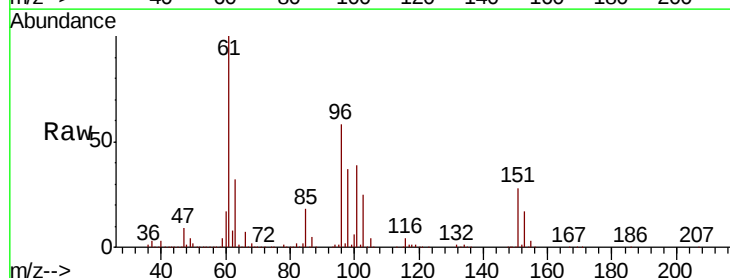
Tgt Ion: 96 Resp: 319920

Ion Ratio Lower Upper

96 100

61 172.8 120.2 180.2

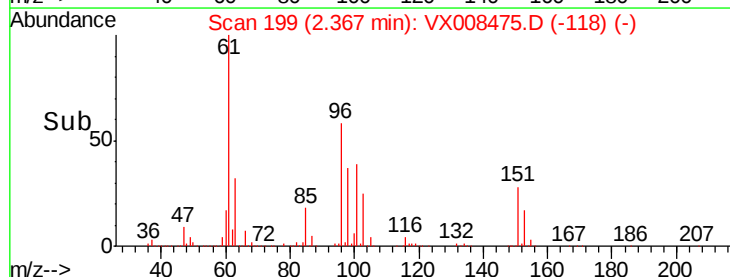
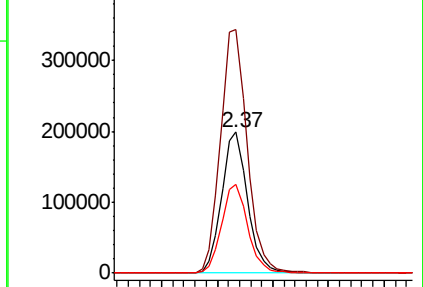
98 63.4 49.0 73.4

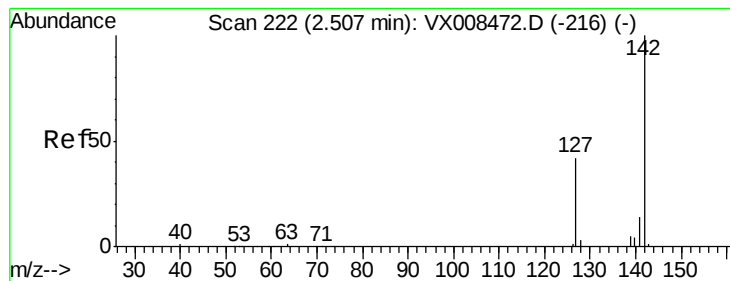


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 135.310 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

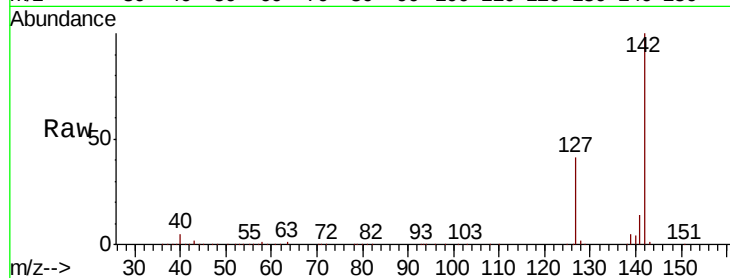
Tgt Ion:142 Resp: 381811

Ion Ratio Lower Upper

142 100

127 40.8 22.1 66.5

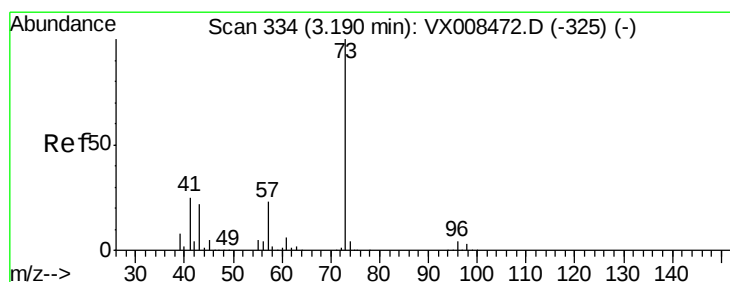
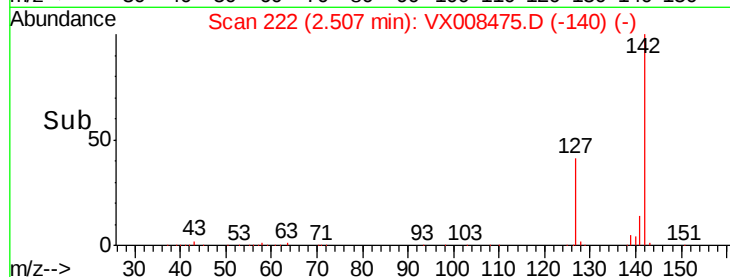
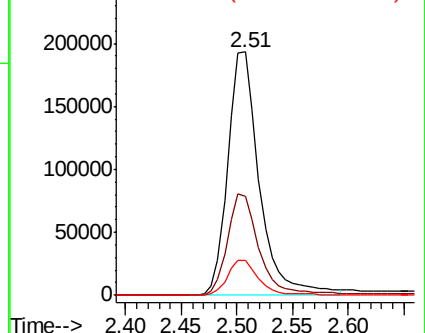
141 14.2 7.4 22.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 127.238 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX008475.D

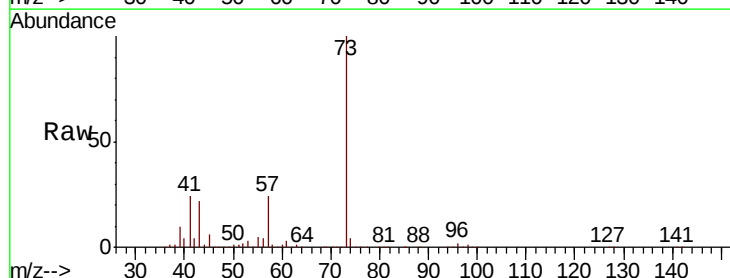
Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 259169

Ion Ratio Lower Upper

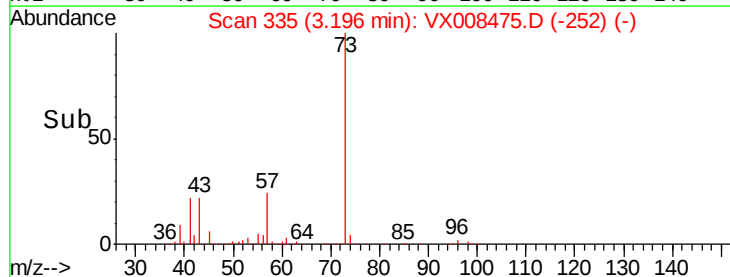
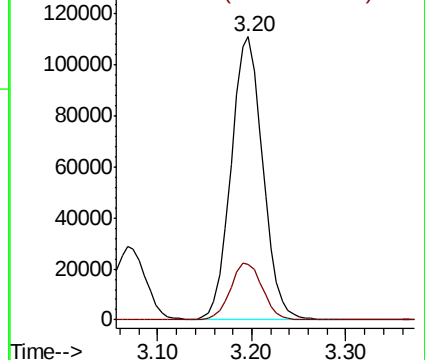
43 100

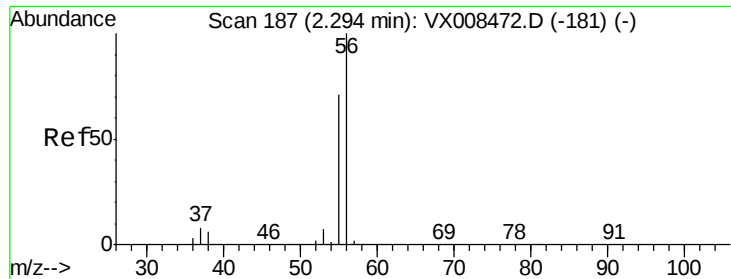
74 19.7 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

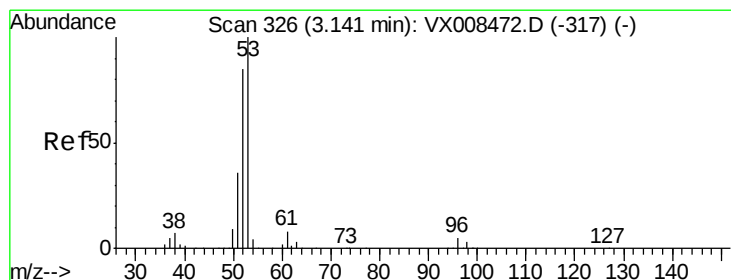
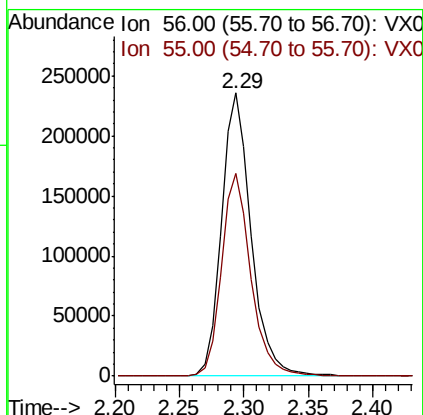
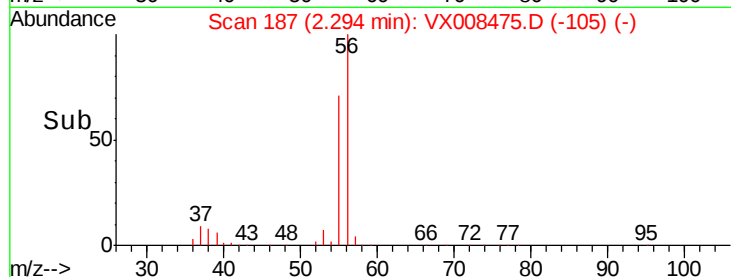
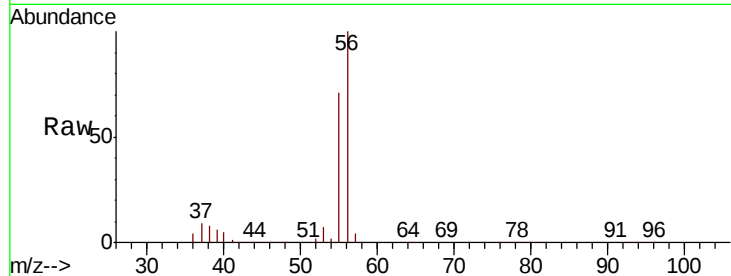




#13  
Acrolein  
Concen: 1184.166 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

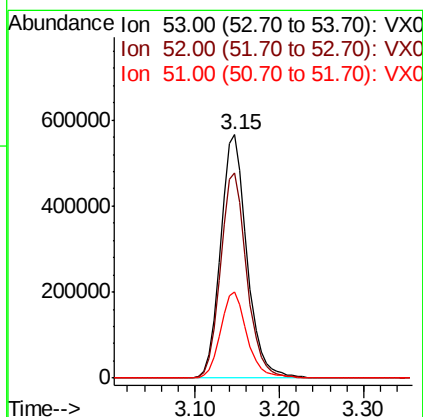
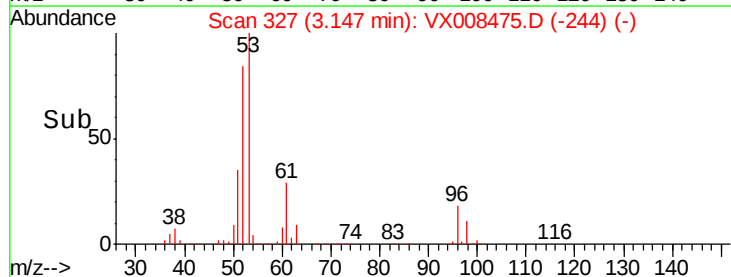
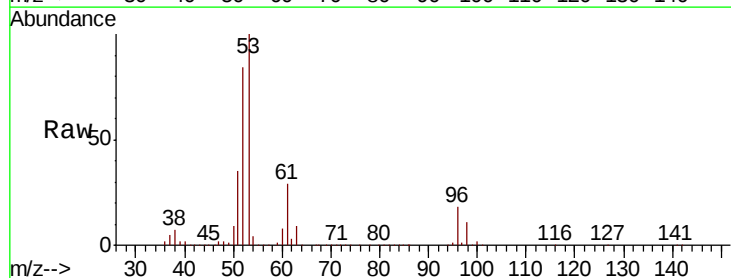
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

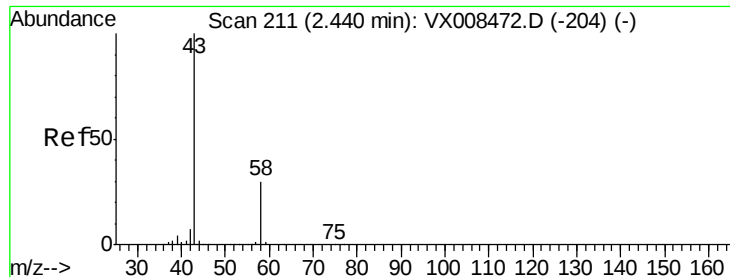
Tgt Ion: 56 Resp: 377858  
Ion Ratio Lower Upper  
56 100  
55 71.4 58.6 87.8



#14  
Acrylonitrile  
Concen: 1198.959 ug/l  
RT: 3.15 min Scan# 327  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 53 Resp: 1211961  
Ion Ratio Lower Upper  
53 100  
52 84.1 41.3 124.1  
51 35.4 17.5 52.6





#15

Acetone

Concen: 882.069 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

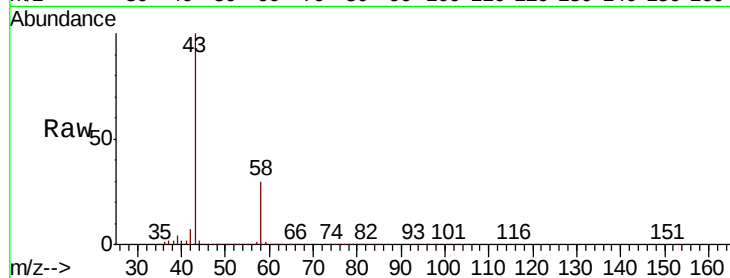
VSTDIC150

Tgt Ion: 58 Resp: 349643

Ion Ratio Lower Upper

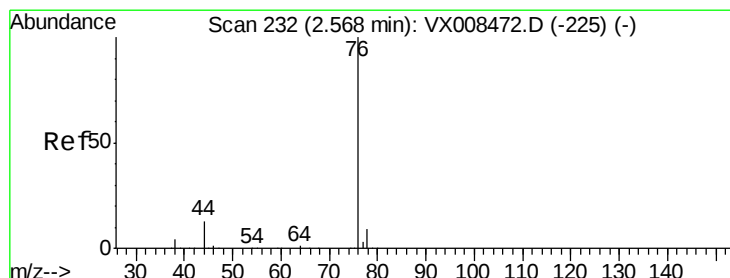
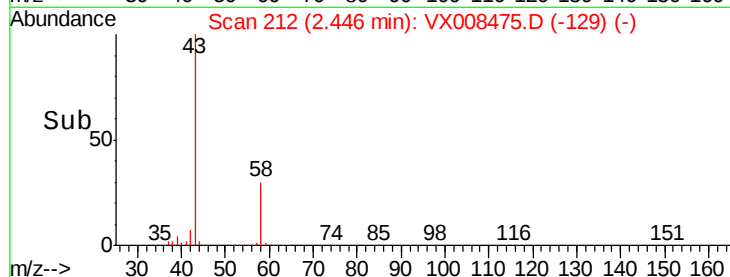
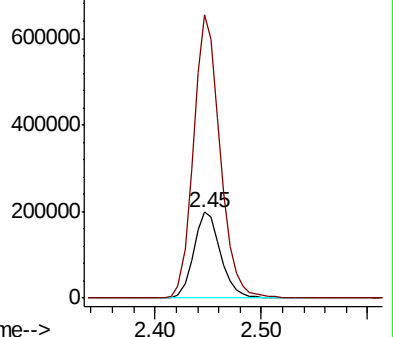
58 100

43 329.8 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 196.018 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008475.D

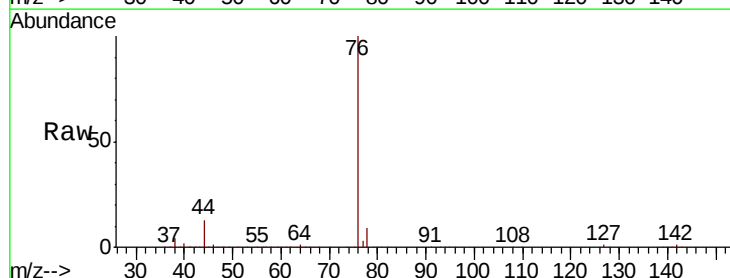
Acq: 27 Mar 2019 11:40

Tgt Ion: 76 Resp: 1014539

Ion Ratio Lower Upper

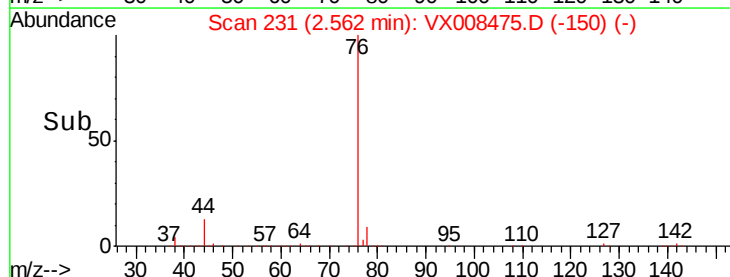
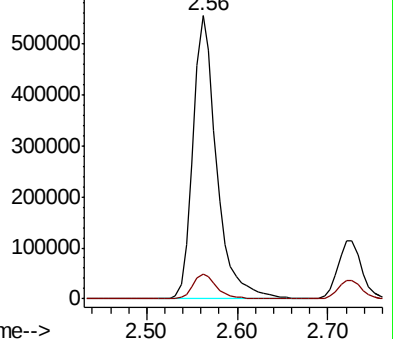
76 100

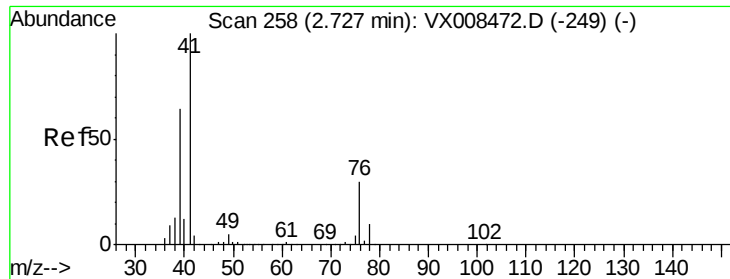
78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allyl chloride

Concen: 267.441 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

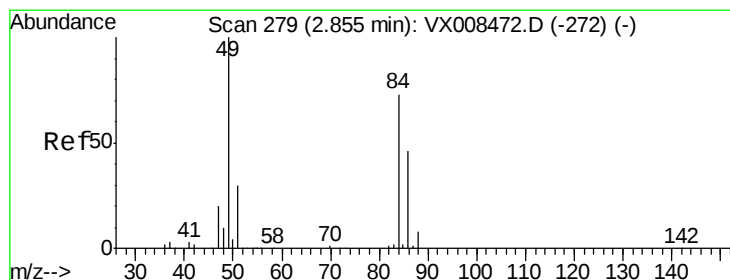
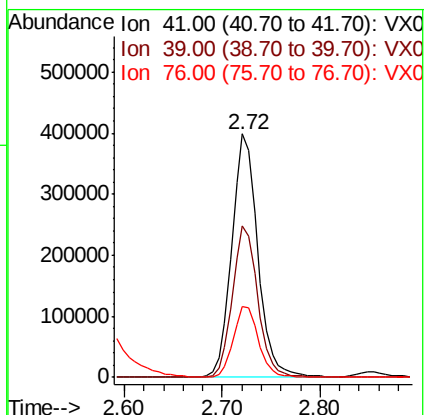
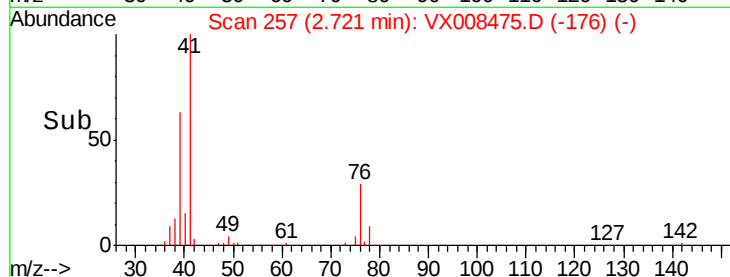
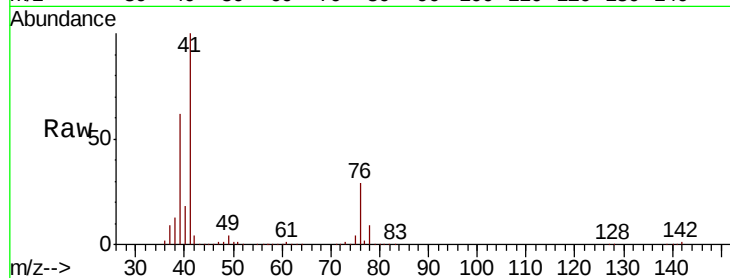
Tgt Ion: 41 Resp: 736655

Ion Ratio Lower Upper

41 100

39 62.4 35.8 107.4

76 28.8 18.3 54.9



#18

Methylene Chloride

Concen: 186.834 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion: 84 Resp: 375429

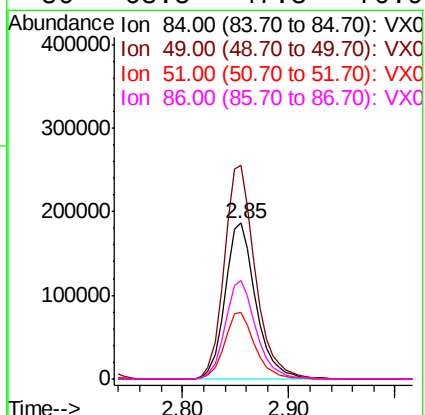
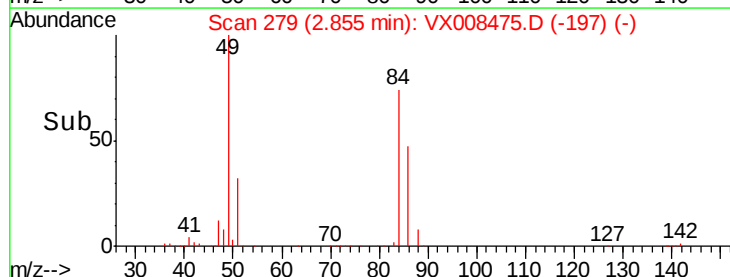
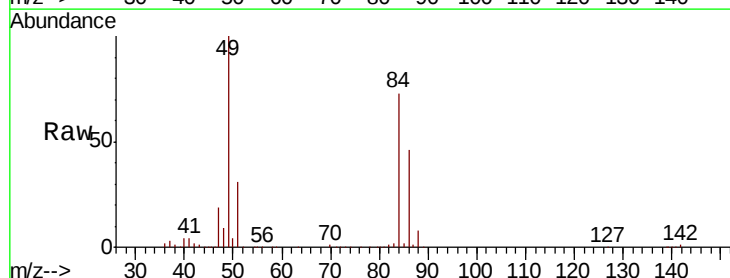
Ion Ratio Lower Upper

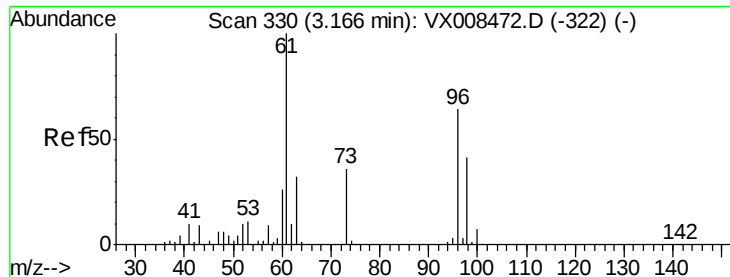
84 100

49 136.9 96.1 144.1

51 42.5 29.1 43.7

86 63.5 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 172.592 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

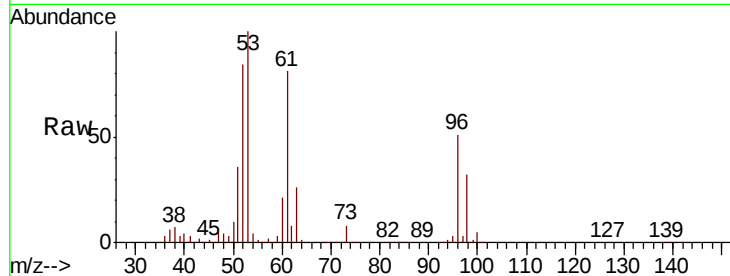
Tgt Ion: 96 Resp: 341991

Ion Ratio Lower Upper

96 100

61 160.0 109.9 164.9

98 63.5 50.4 75.6

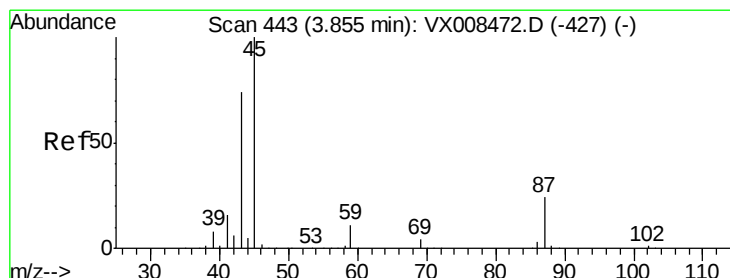
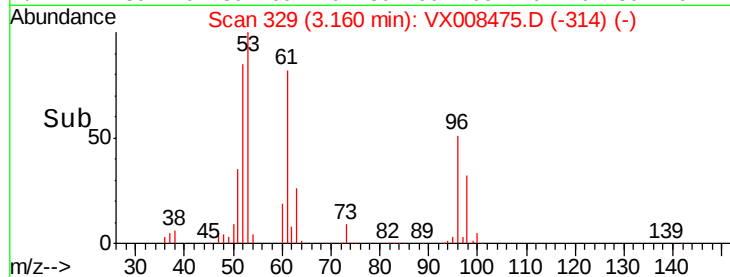
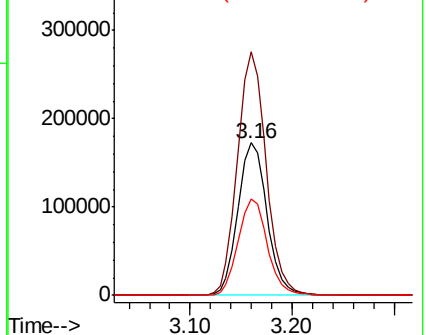


Abundance

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



#20

Diisopropyl ether

Concen: 243.767 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion: 45 Resp: 1403954

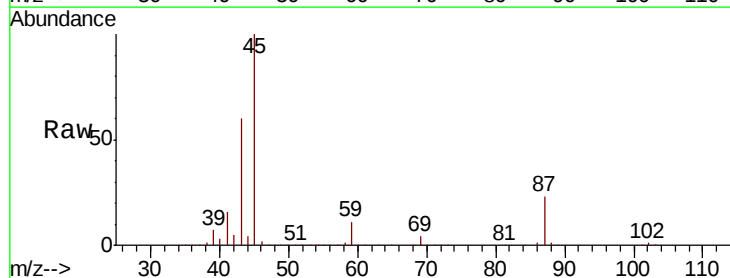
Ion Ratio Lower Upper

45 100

43 59.8 50.6 76.0

87 23.3 24.5 36.7#

59 10.9 10.2 15.2



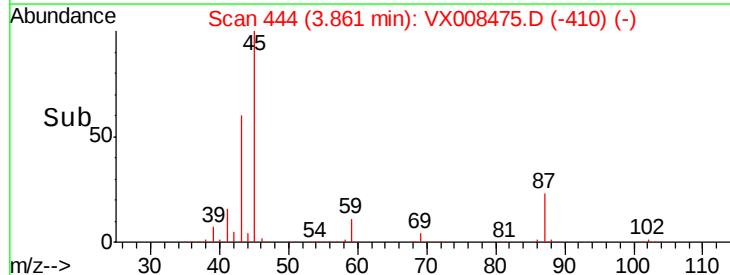
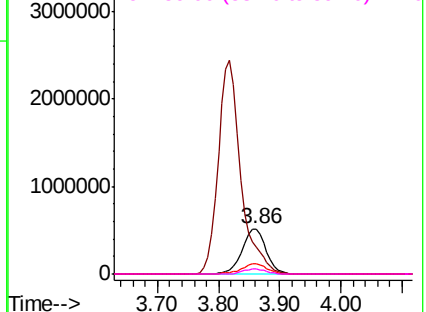
Abundance

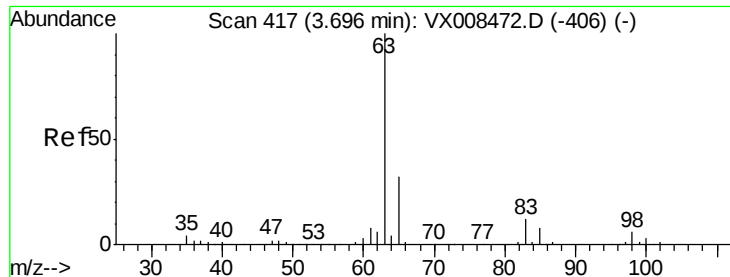
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 206.063 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

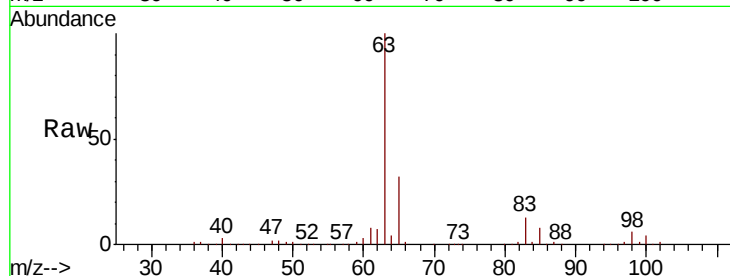
Tgt Ion: 63 Resp: 700915

Ion Ratio Lower Upper

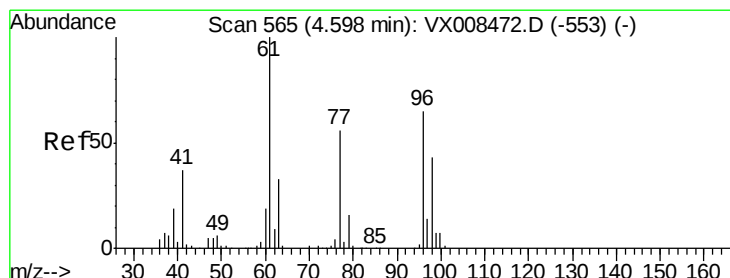
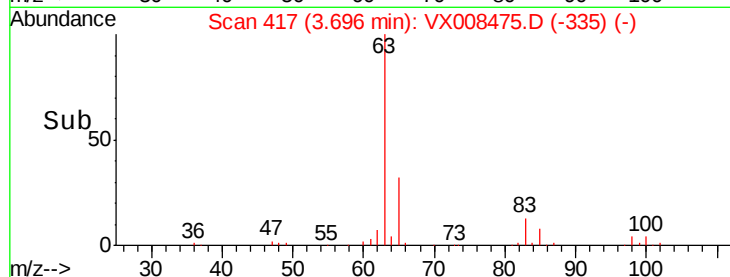
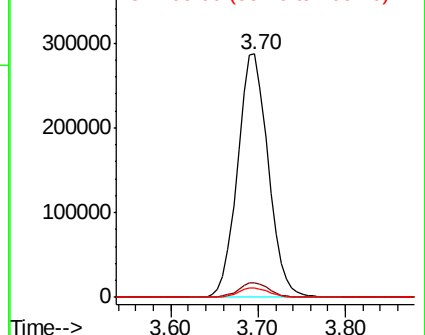
63 100

98 6.2 3.8 11.4

100 3.8 2.4 7.1



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: 173.215 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

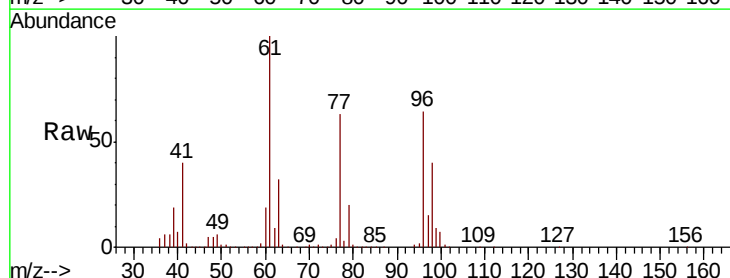
Tgt Ion: 96 Resp: 395867

Ion Ratio Lower Upper

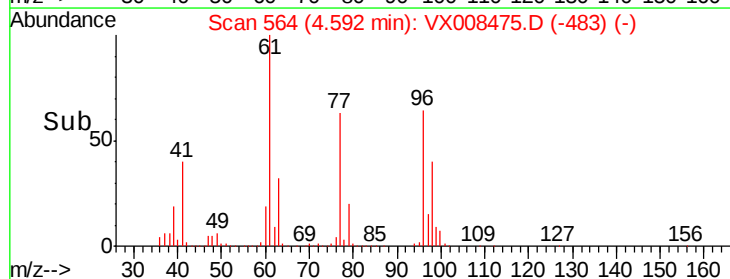
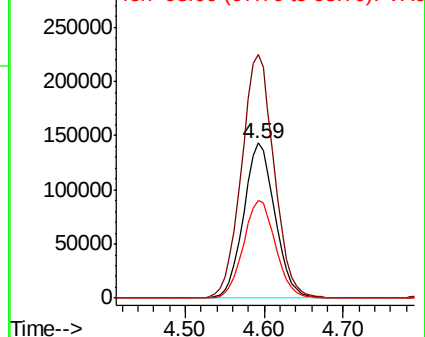
96 100

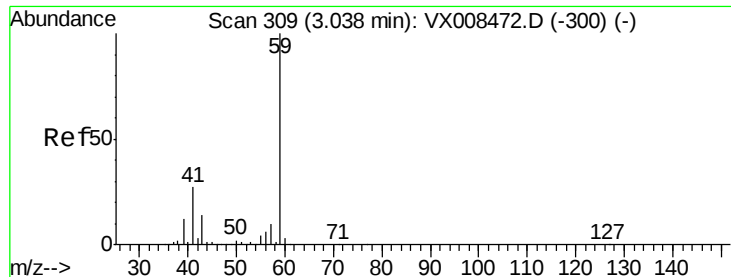
61 163.1 103.5 155.3#

98 64.4 52.1 78.1



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



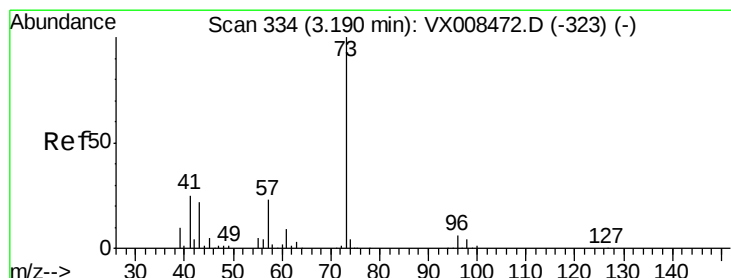
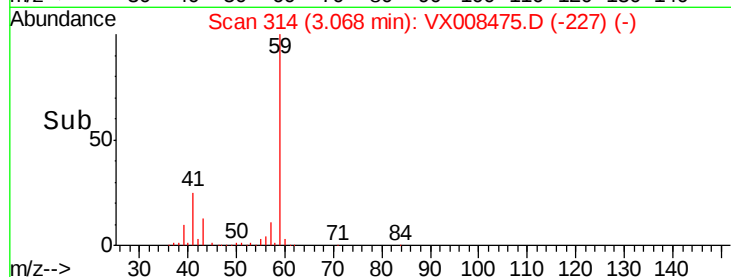
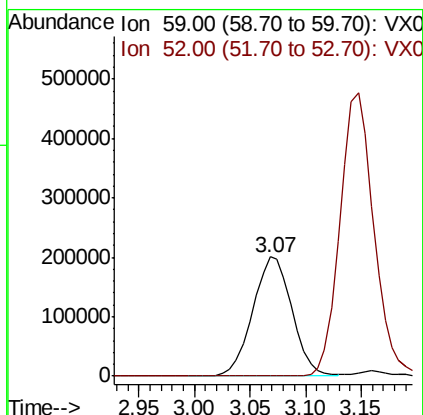
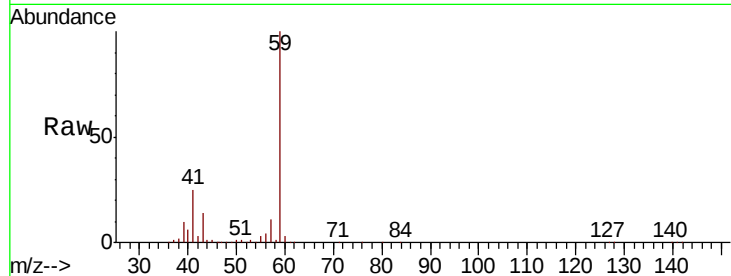


#23

tert-Butyl Alcohol  
 Concen: 1205.592 ug/l  
 RT: 3.07 min Scan# 314  
 Delta R.T. 0.03 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

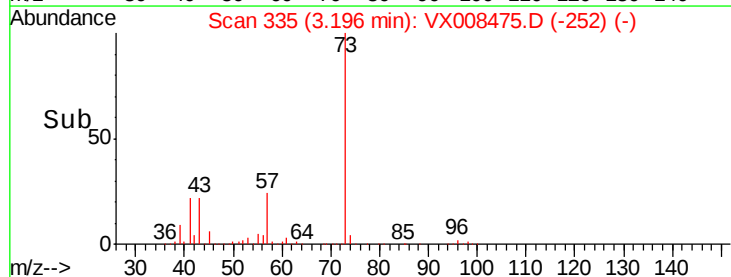
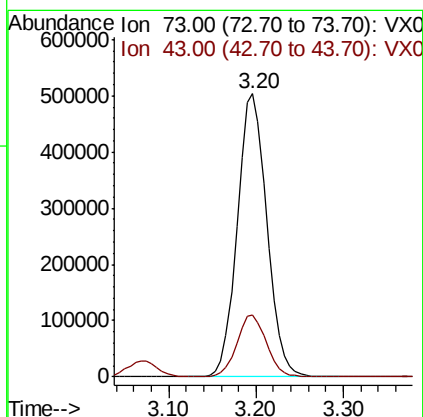
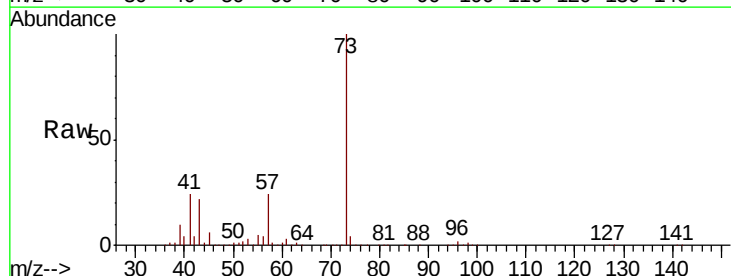
Tgt Ion: 59 Resp: 494736  
 Ion Ratio Lower Upper  
 59 100  
 52 0.2 0.2 0.2

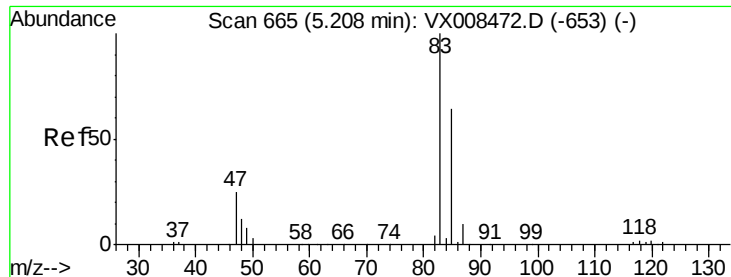


#24

Methyl tert-Butyl Ether  
 Concen: 196.989 ug/l  
 RT: 3.20 min Scan# 335  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 73 Resp: 1181343  
 Ion Ratio Lower Upper  
 73 100  
 43 21.9 17.1 25.7

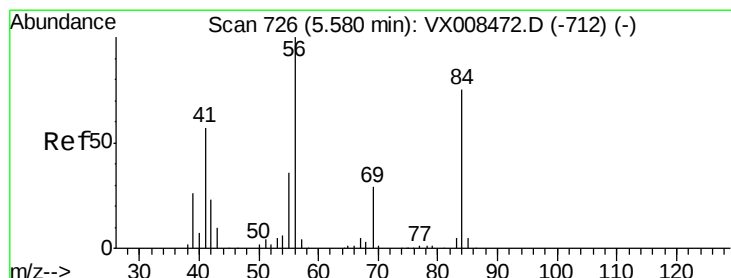
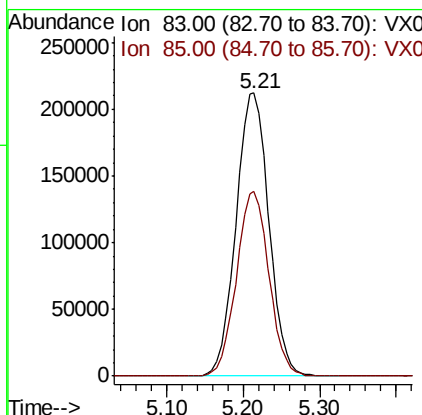
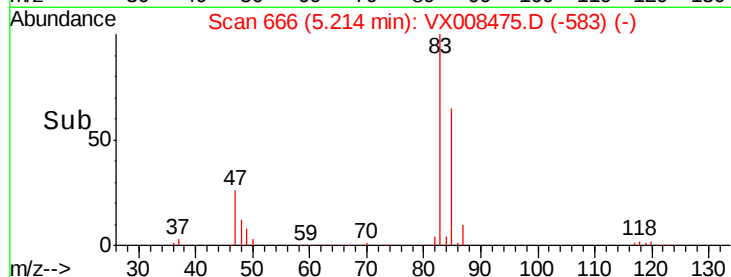
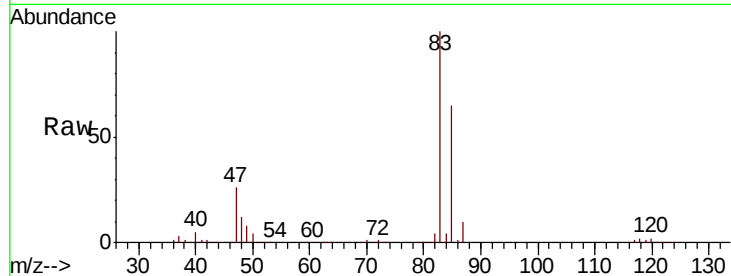




#25  
Chloroform  
Concen: 175.233 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

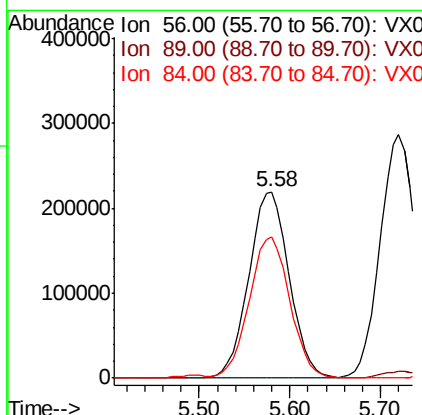
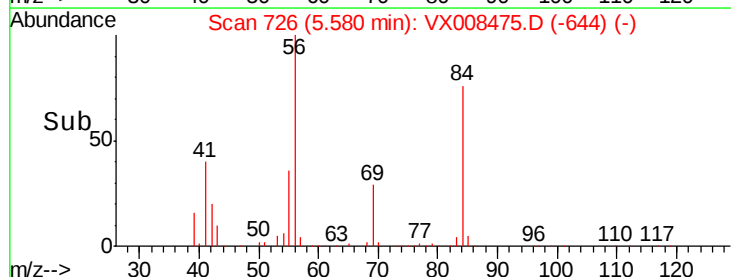
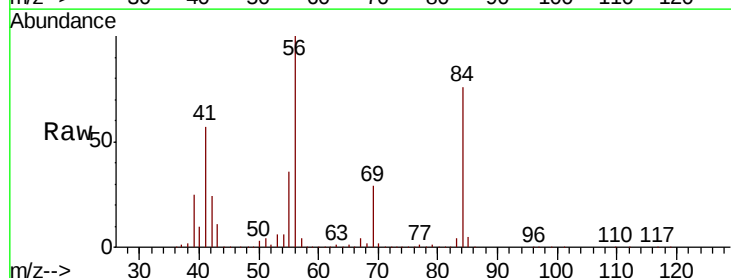
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

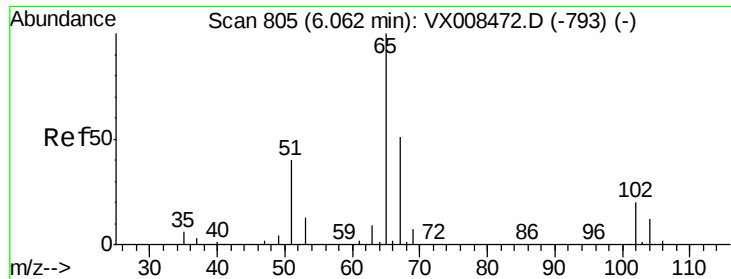
Tgt Ion: 83 Resp: 632280  
Ion Ratio Lower Upper  
83 100  
85 65.4 53.8 80.6



#26  
Cyclohexane  
Concen: 224.199 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 56 Resp: 674432  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 76.7 73.9 110.9

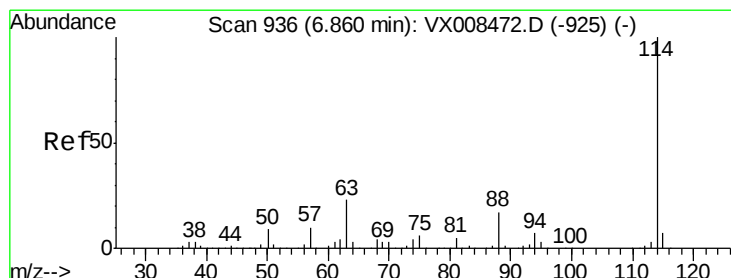
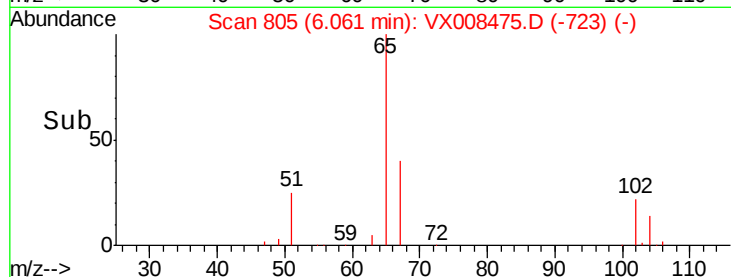
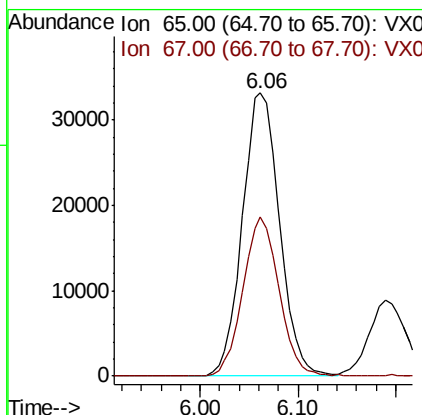
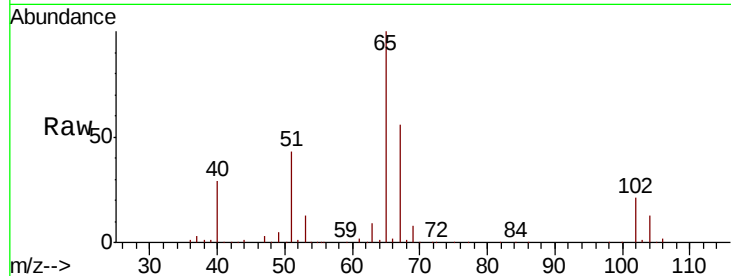




#27  
 1,2-Dichloroethane-d4  
 Concen: 37.062 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

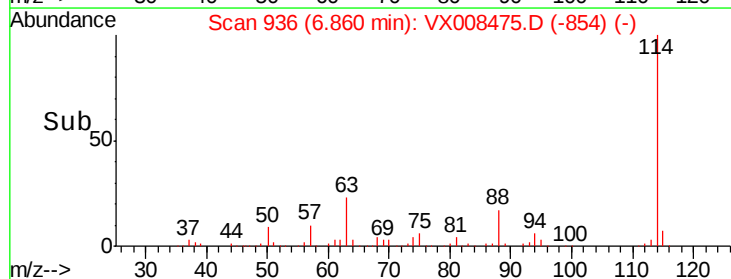
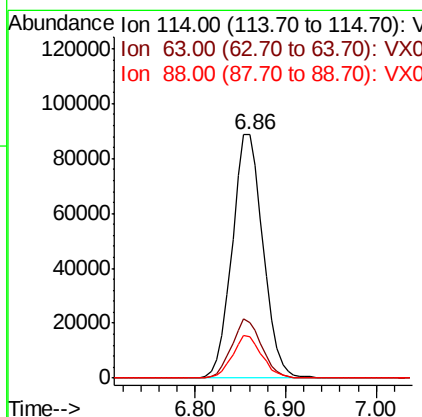
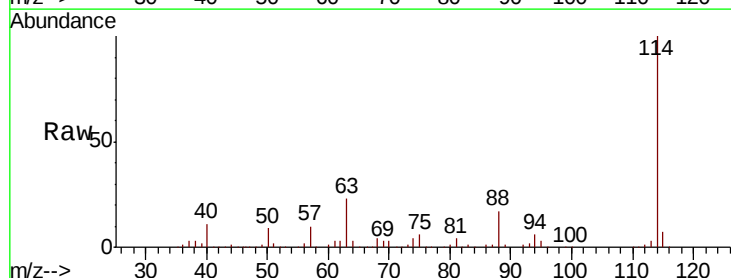
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

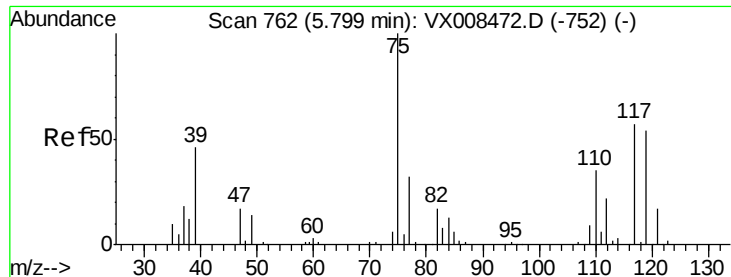
Tgt Ion: 65 Resp: 87983  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 42.9 64.3



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 114 Resp: 210067  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 14.2 21.4#  
 88 16.7 11.9 17.9

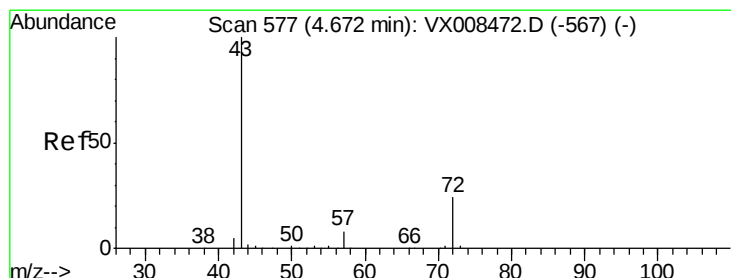
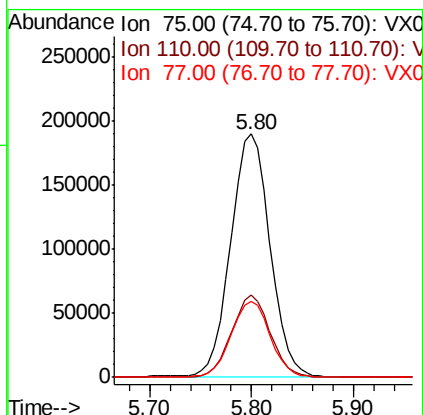
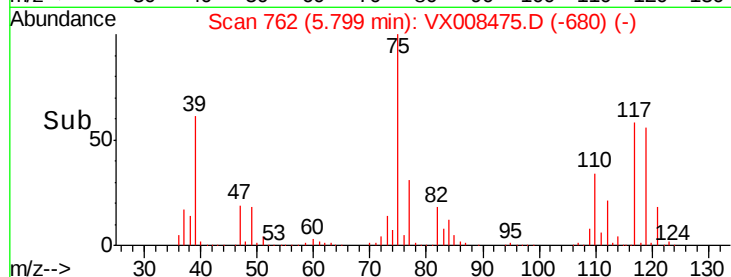
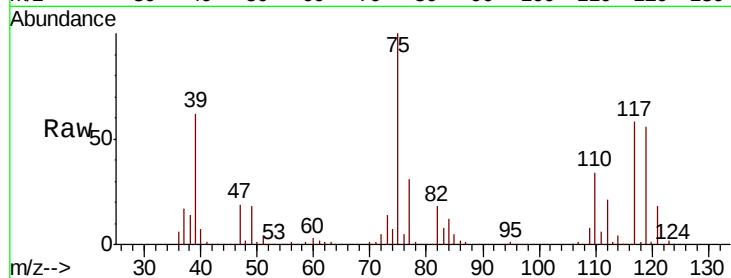




#29  
 1,1-Dichloropropene  
 Concen: 169.862 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

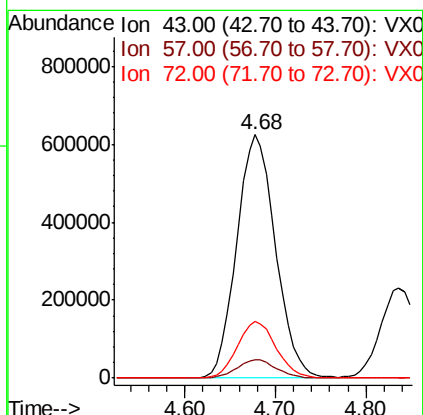
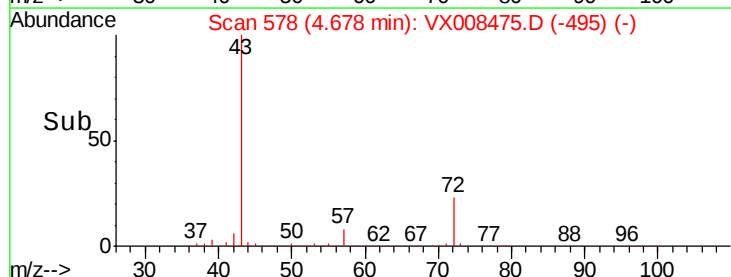
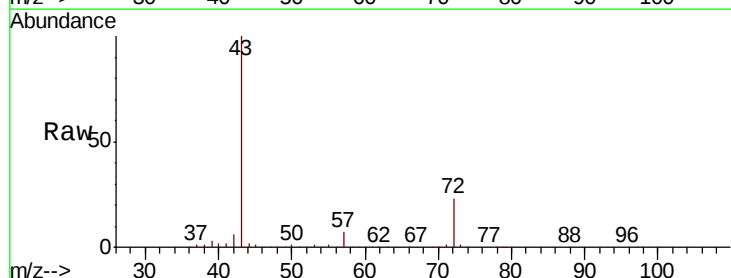
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

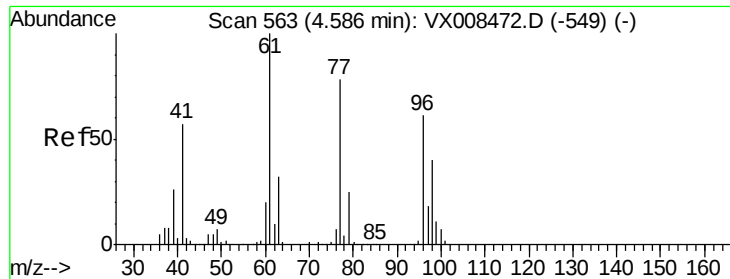
Tgt Ion: 75 Resp: 506800  
 Ion Ratio Lower Upper  
 75 100  
 110 33.2 0.0 80.8  
 77 31.2 0.0 62.4



#30  
 2-Butanone  
 Concen: 1072.587 ug/l  
 RT: 4.68 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 1843244  
 Ion Ratio Lower Upper  
 43 100  
 57 7.6 7.0 10.6  
 72 23.3 21.5 32.3





#31

2,2-Dichloropropane

Concen: 184.002 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

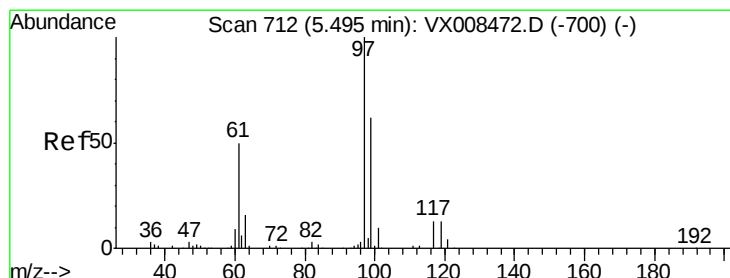
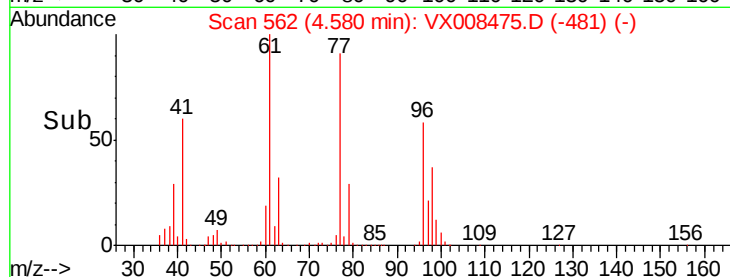
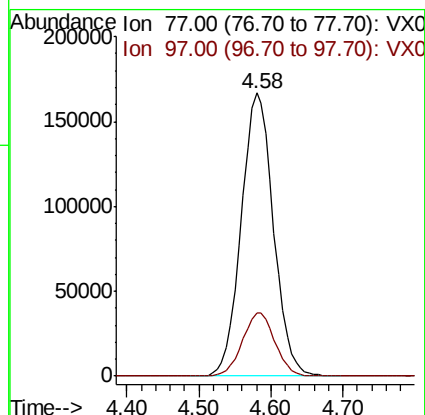
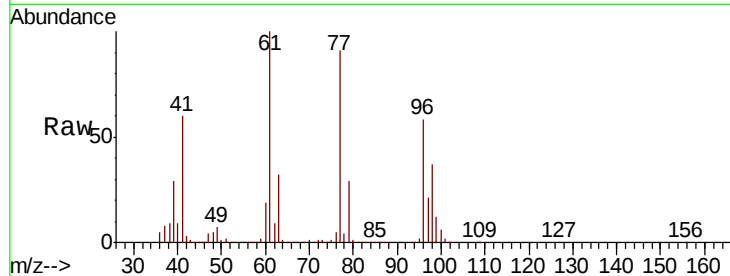
VSTDIC150

Tgt Ion: 77 Resp: 516873

Ion Ratio Lower Upper

77 100

97 22.7 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 150.572 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

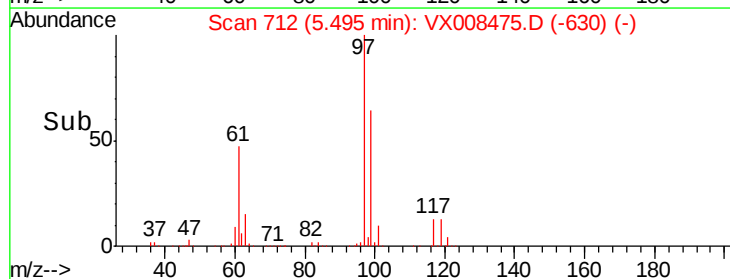
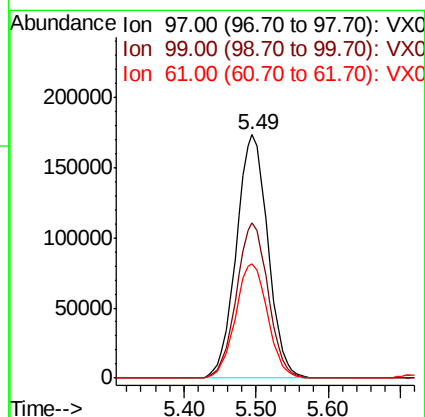
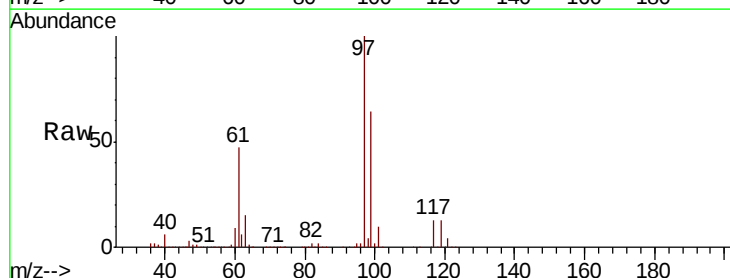
Tgt Ion: 97 Resp: 528589

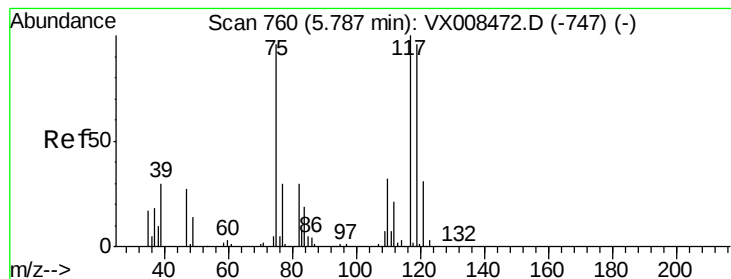
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 47.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 138.885 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

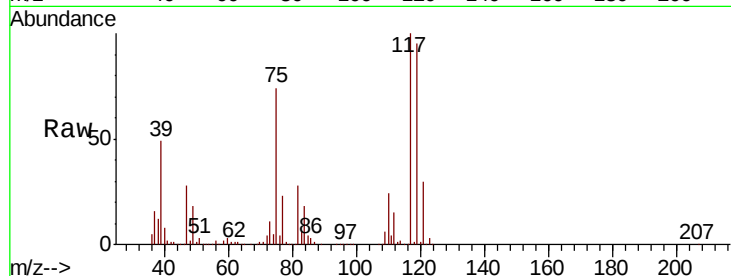
Tgt Ion:117 Resp: 447773

Ion Ratio Lower Upper

117 100

119 94.8 78.1 117.1

121 30.0 27.0 40.6

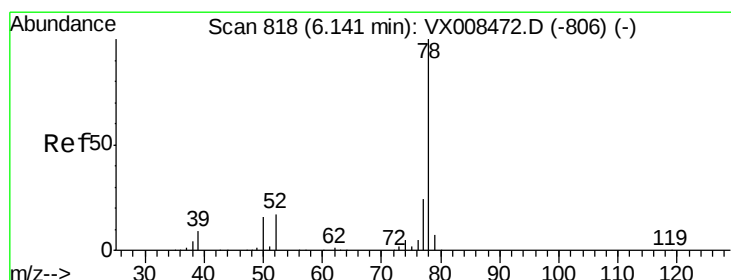
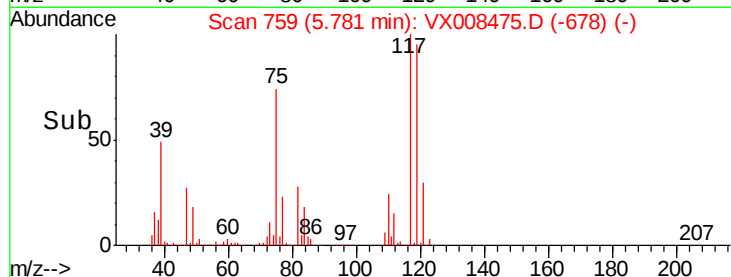
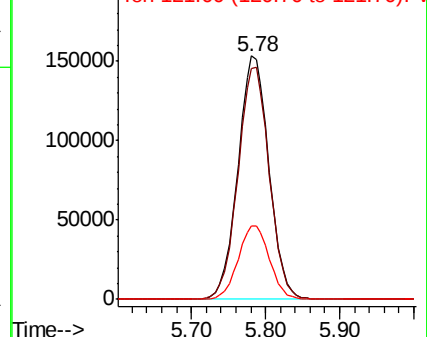


Abundance

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: 171.699 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

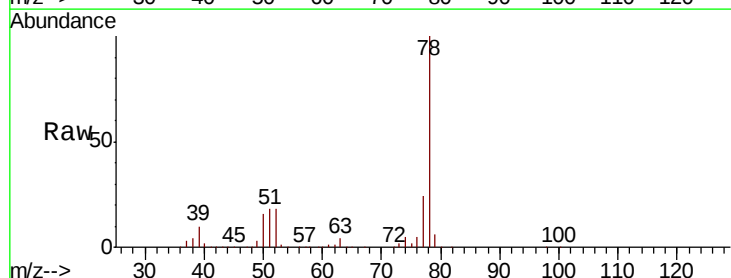
Tgt Ion: 78 Resp: 1525959

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7

51 17.8 10.8 16.2#

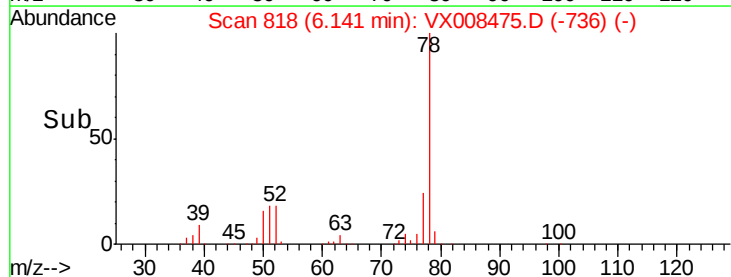
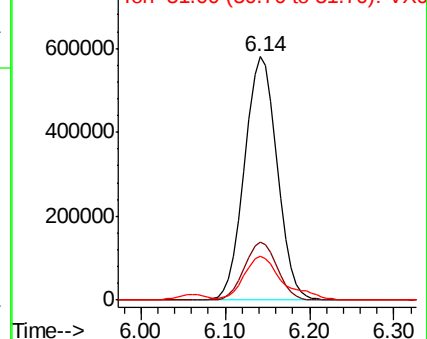


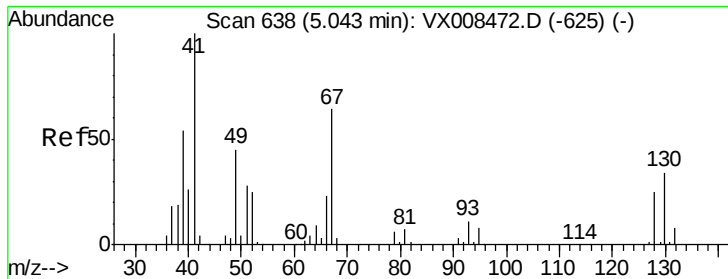
Abundance

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: 238.575 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 381901

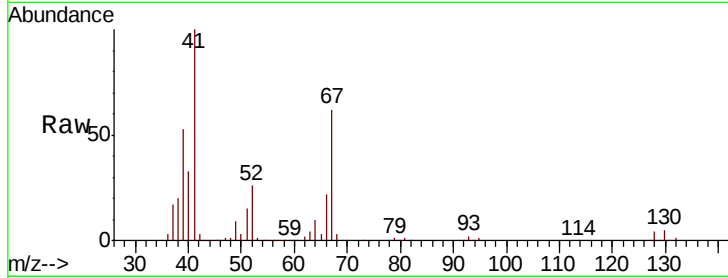
Ion Ratio Lower Upper

41 100

39 53.1 27.4 82.0

67 62.1 37.9 113.6

52 25.4 13.3 39.9

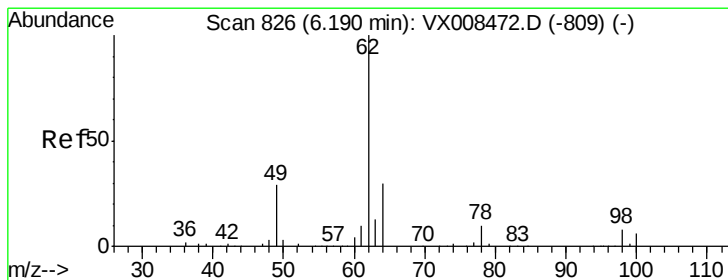
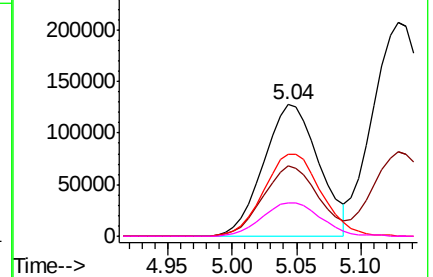
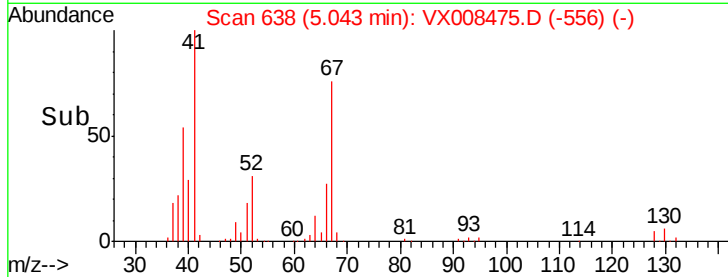


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 164.271 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX008475.D

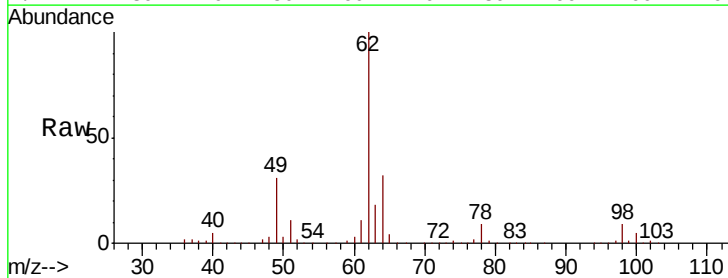
Acq: 27 Mar 2019 11:40

Tgt Ion: 62 Resp: 538113

Ion Ratio Lower Upper

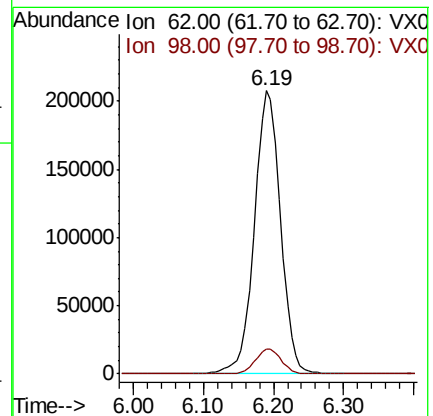
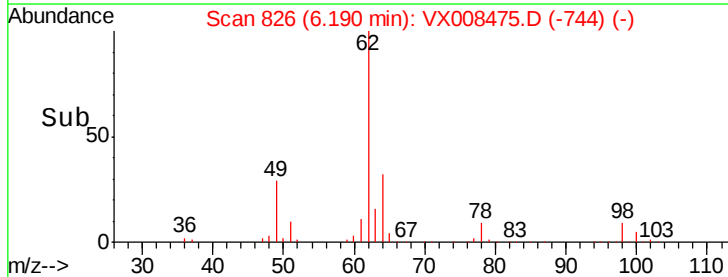
62 100

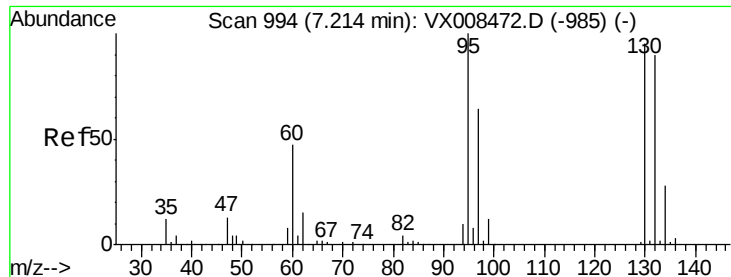
98 8.6 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

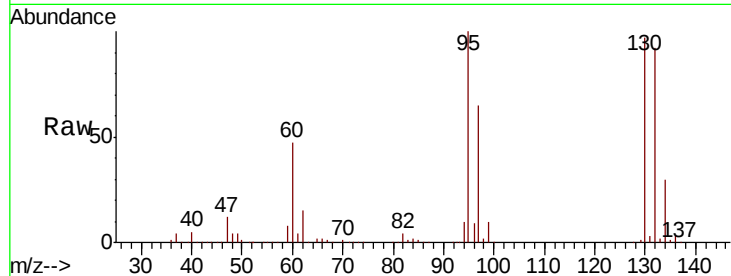




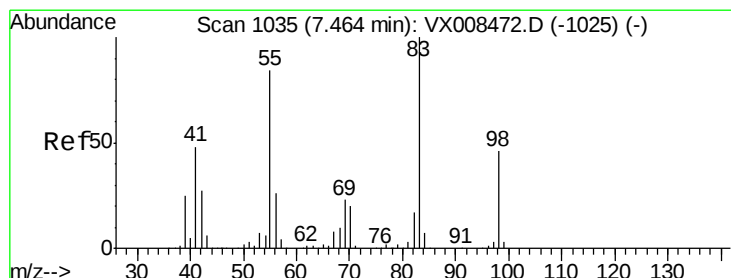
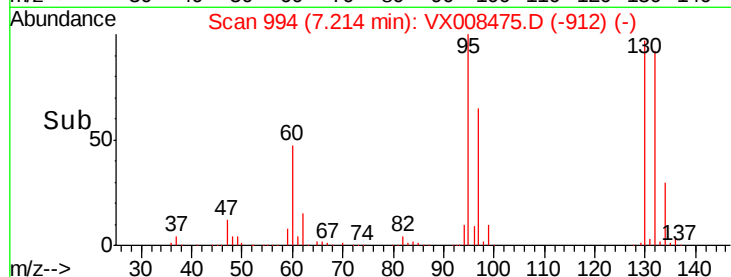
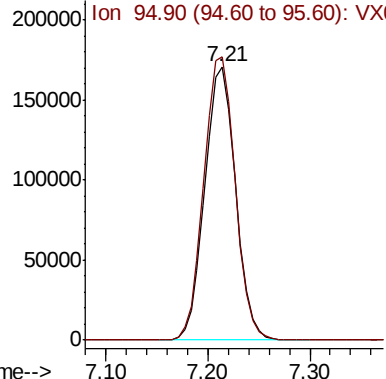
#37  
 Trichloroethene  
 Concen: 137.163 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion:130 Resp: 358415  
 Ion Ratio Lower Upper  
 130 100  
 95 103.6 71.3 106.9

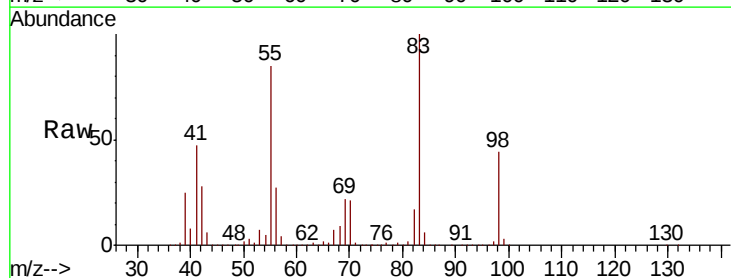


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VX0

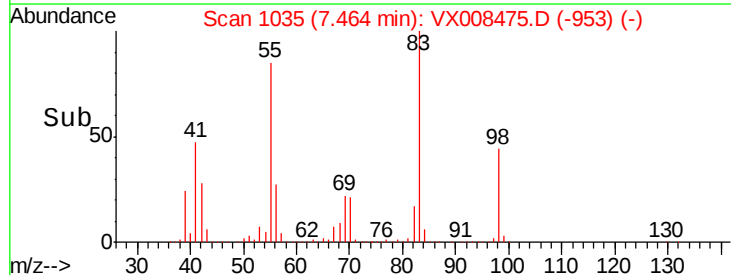
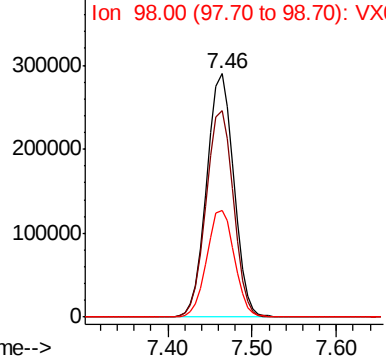


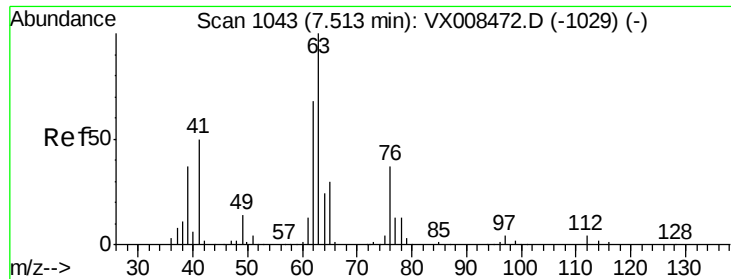
#38  
 Methylcyclohexane  
 Concen: 168.378 ug/l  
 RT: 7.46 min Scan# 1035  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 83 Resp: 629622  
 Ion Ratio Lower Upper  
 83 100  
 55 85.3 36.0 108.0  
 98 44.6 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0  
 Ion 55.00 (54.70 to 55.70): VX0  
 Ion 98.00 (97.70 to 98.70): VX0

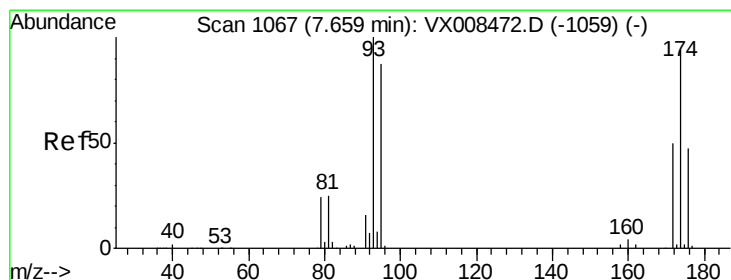
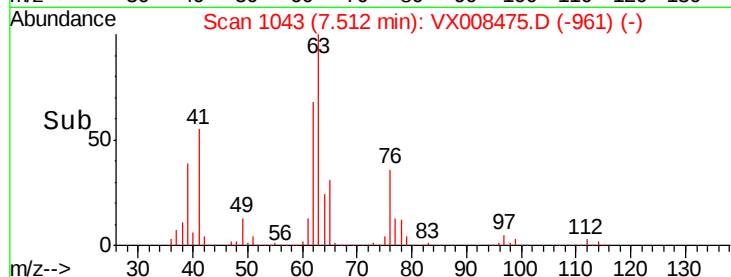
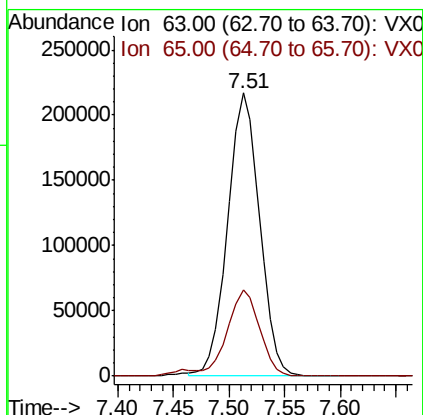
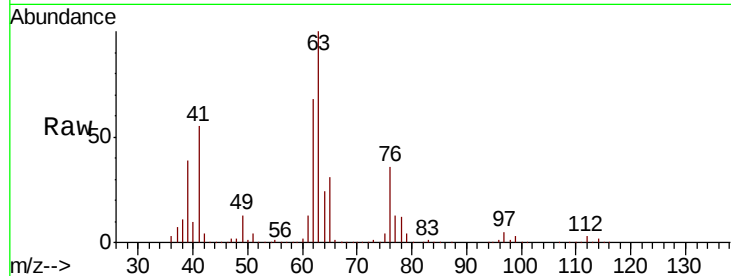




#39  
 1,2-Dichloropropane  
 Concen: 190.062 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

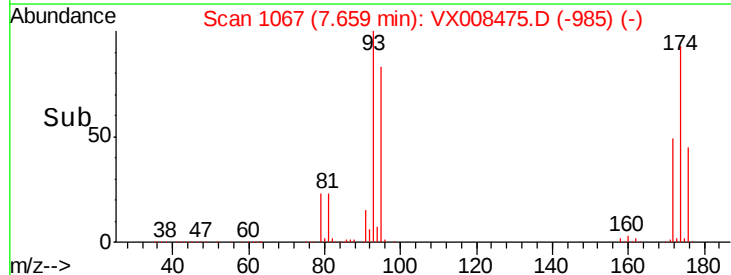
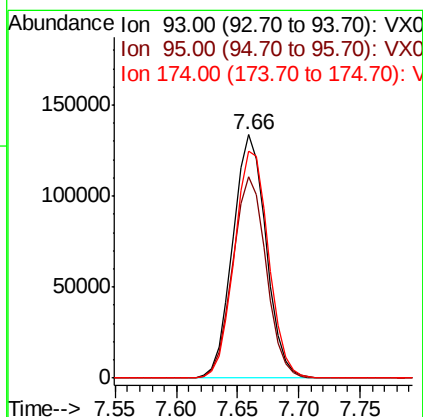
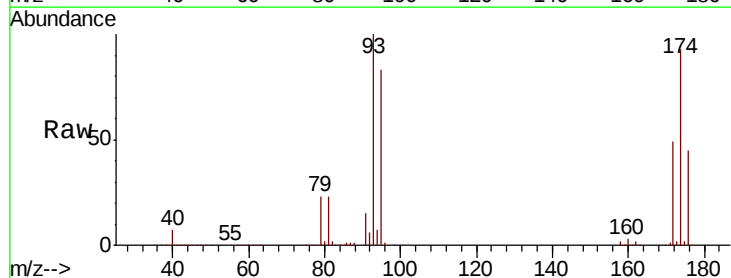
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

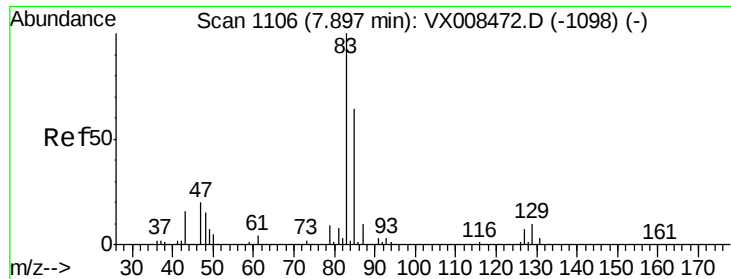
Tgt Ion: 63 Resp: 429810  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.6 37.0



#40  
 Dibromomethane  
 Concen: 152.184 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 93 Resp: 252413  
 Ion Ratio Lower Upper  
 93 100  
 95 83.5 0.0 158.8  
 174 96.1 0.0 224.2





#41

Bromodichloromethane

Concen: 163.715 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

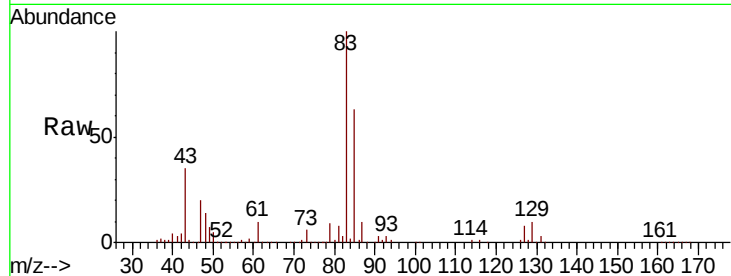
Tgt Ion: 83 Resp: 515250

Ion Ratio Lower Upper

83 100

85 63.3 51.1 76.7

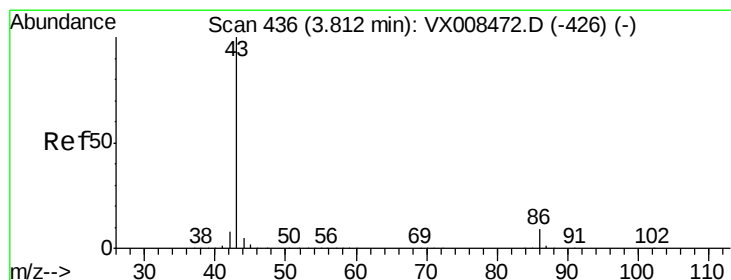
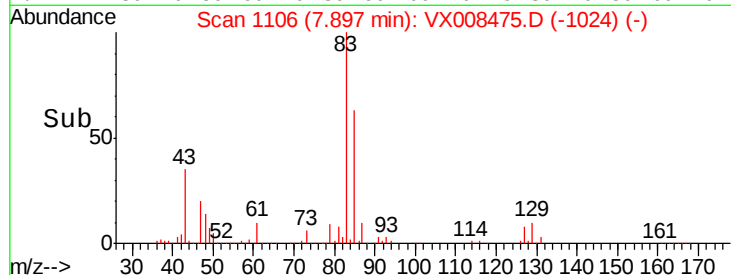
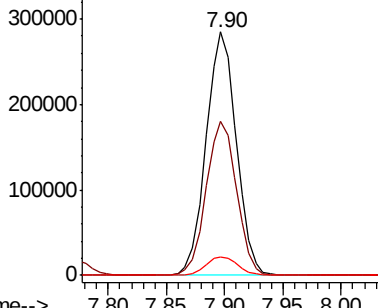
127 7.8 7.2 10.8



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: 1089.150 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008475.D

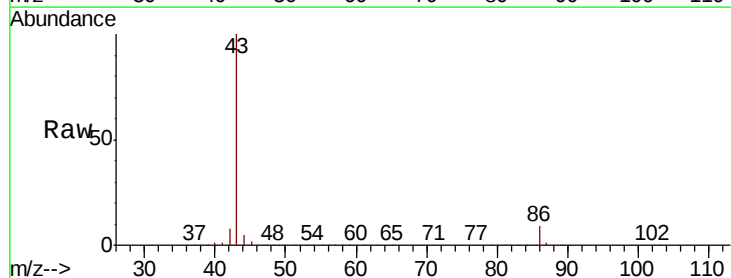
Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 6291030

Ion Ratio Lower Upper

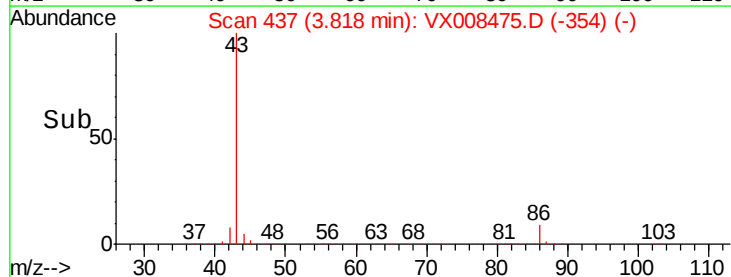
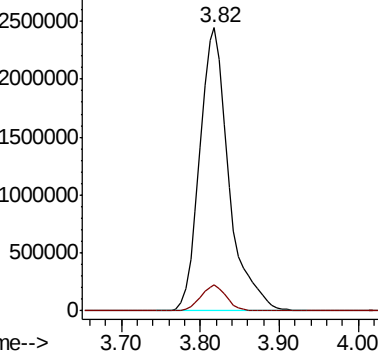
43 100

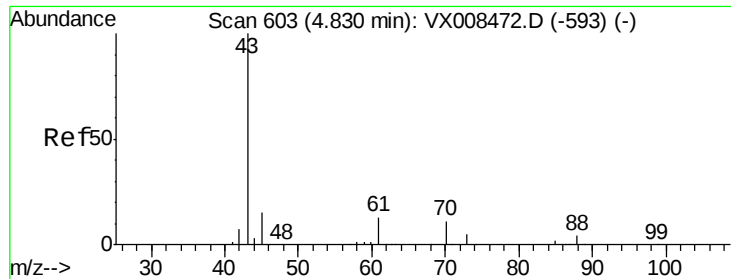
86 8.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 223.671 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

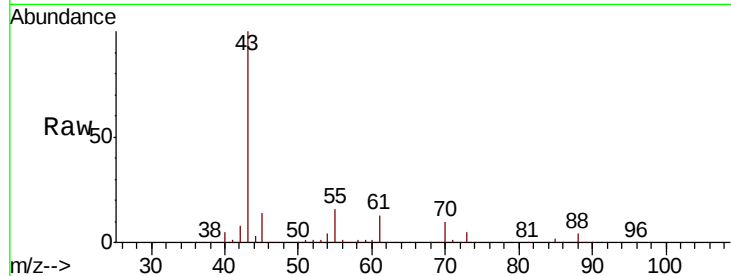
VSTDIC150

Tgt Ion: 43 Resp: 678490

Ion Ratio Lower Upper

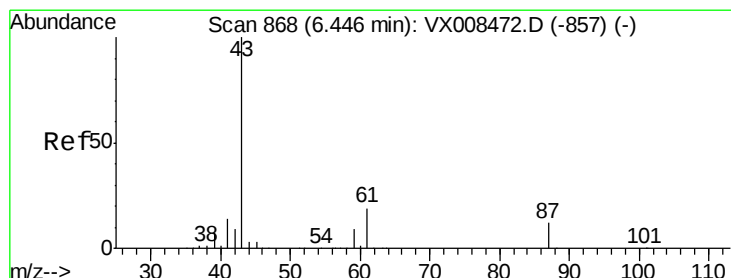
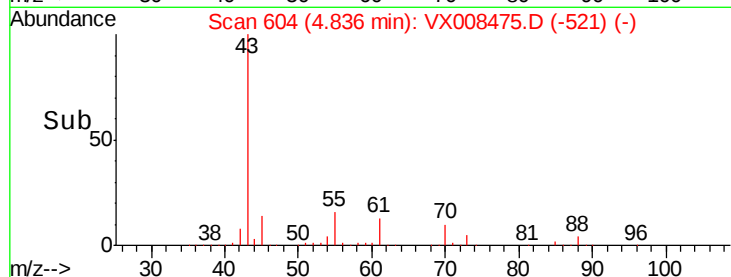
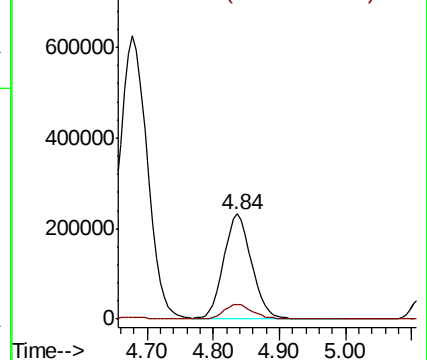
43 100

45 14.8 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 236.486 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008475.D

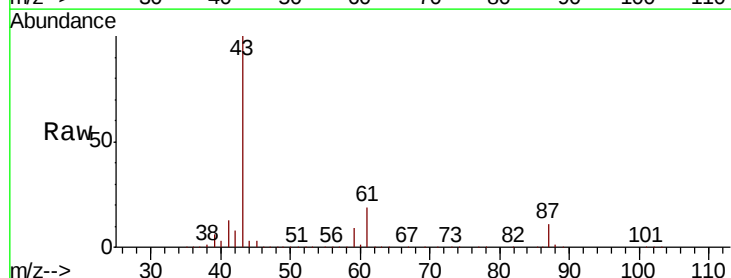
Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 1128951

Ion Ratio Lower Upper

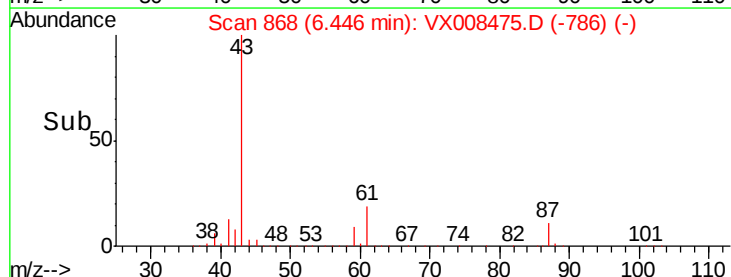
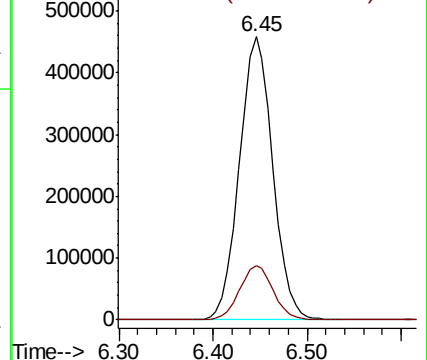
43 100

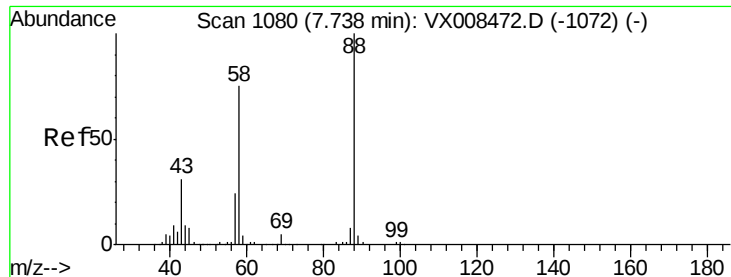
61 19.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

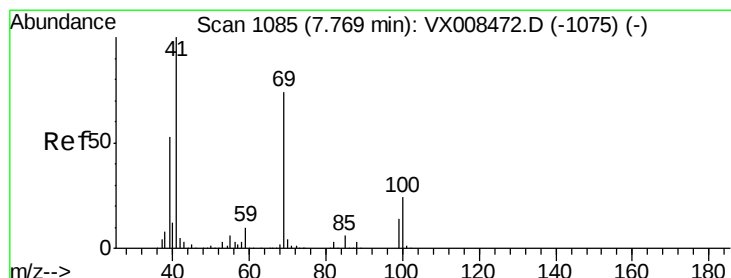
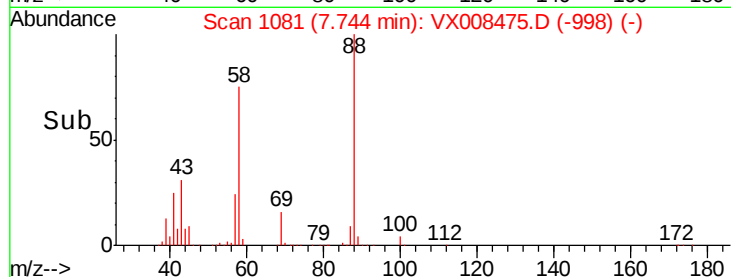
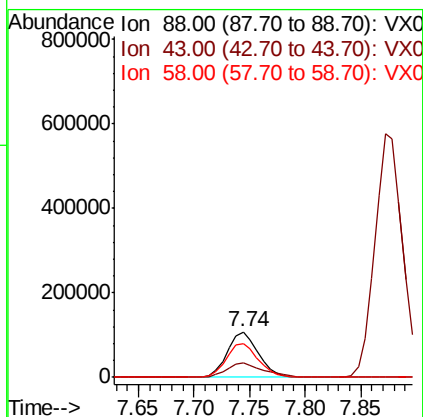
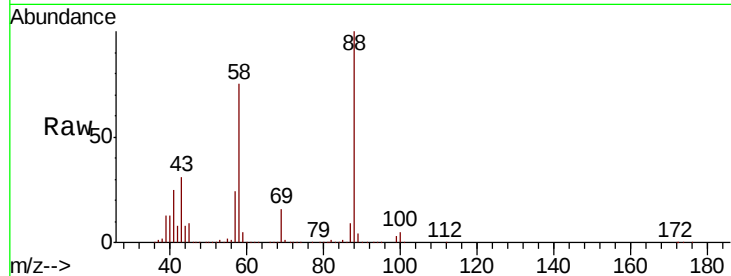




#45  
 1,4-Dioxane  
 Concen: 3448.267 ug/l  
 RT: 7.74 min Scan# 1081  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

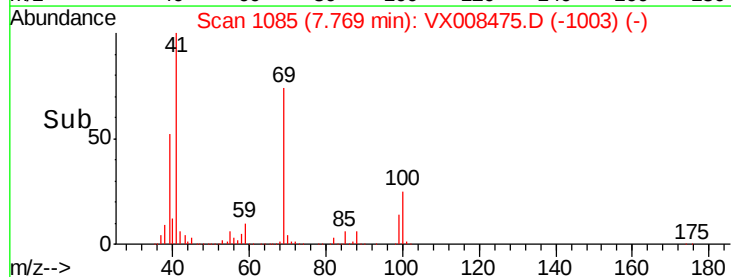
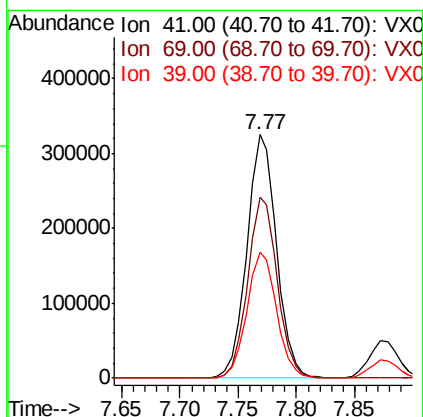
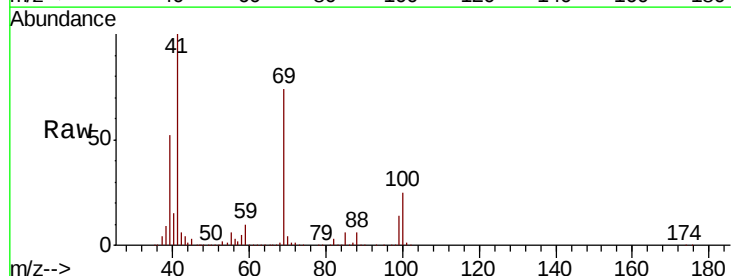
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

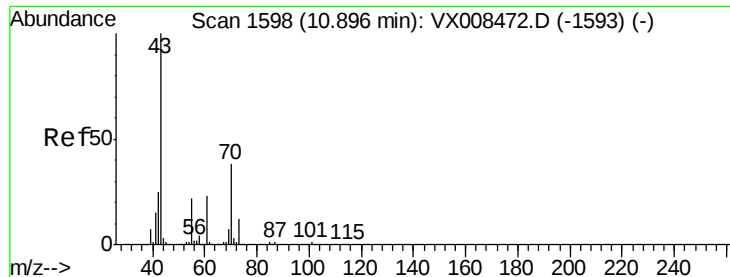
Tgt Ion: 88 Resp: 207048  
 Ion Ratio Lower Upper  
 88 100  
 43 36.7 23.6 35.4#  
 58 78.8 51.6 77.4#



#46  
 Methyl methacrylate  
 Concen: 245.483 ug/l  
 RT: 7.77 min Scan# 1085  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 41 Resp: 575021  
 Ion Ratio Lower Upper  
 41 100  
 69 74.1 44.2 132.6  
 39 51.6 29.9 89.8

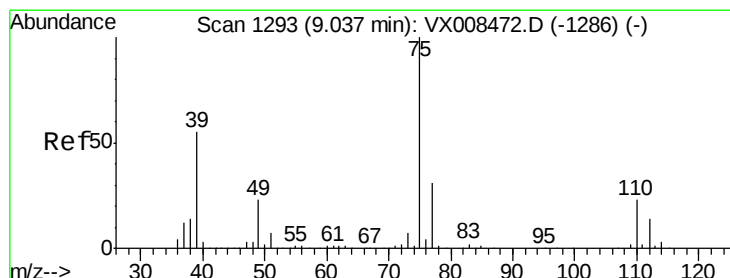
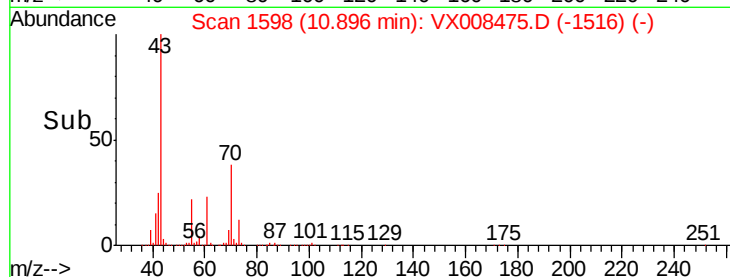
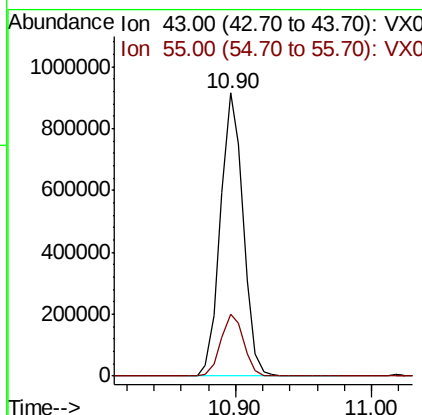
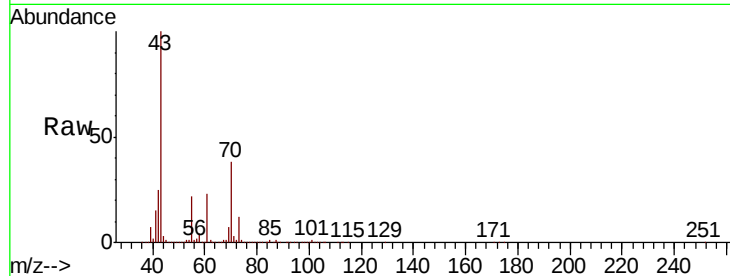




#47  
n-amyl Acetate  
Concen: 258.406 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

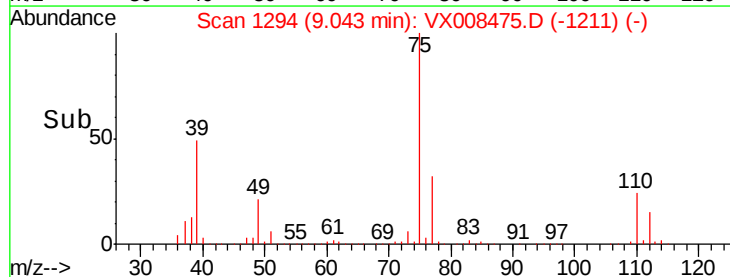
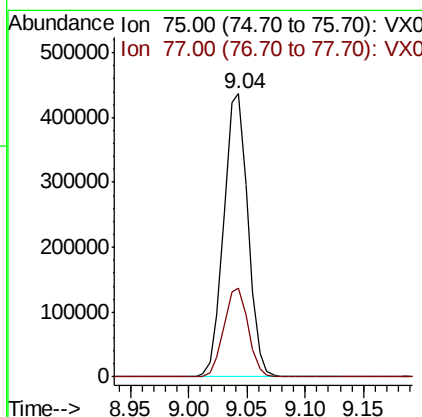
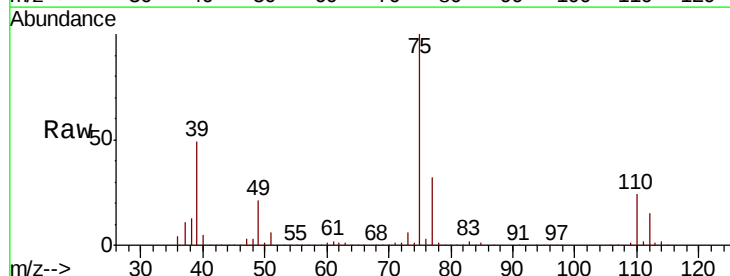
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

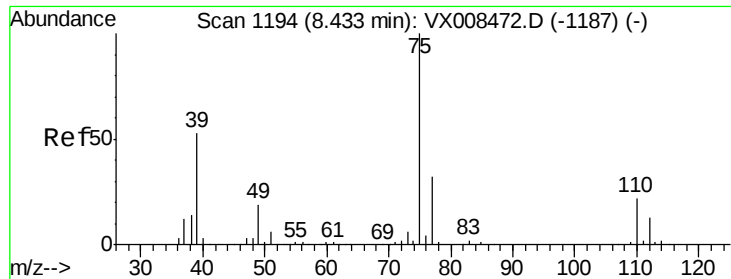
Tgt Ion: 43 Resp: 1057626  
Ion Ratio Lower Upper  
43 100  
55 22.1 20.8 31.2



#48  
t-1,3-Dichloropropene  
Concen: 198.963 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 75 Resp: 626942  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.5 36.7

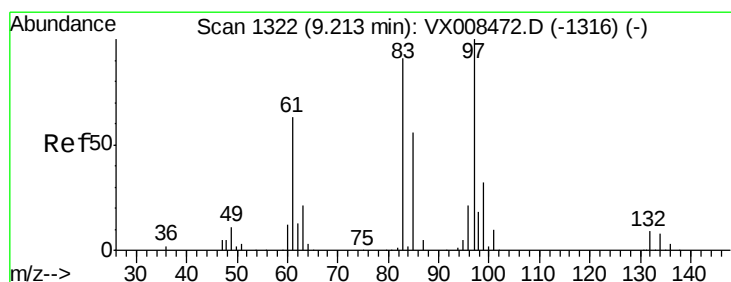
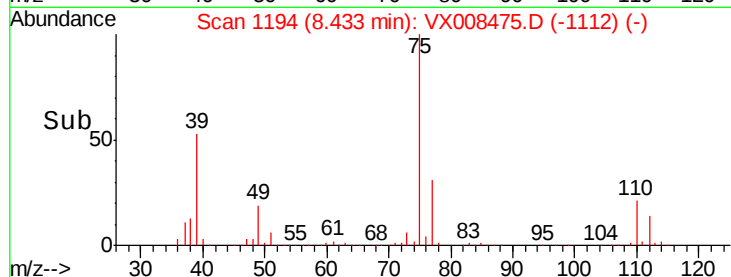
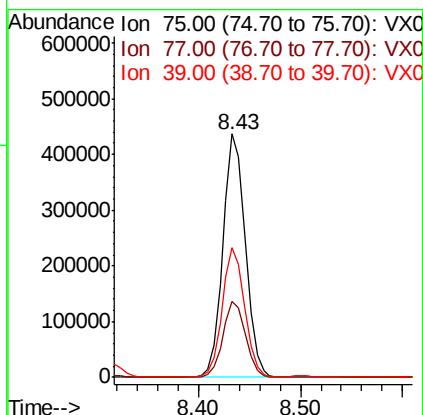
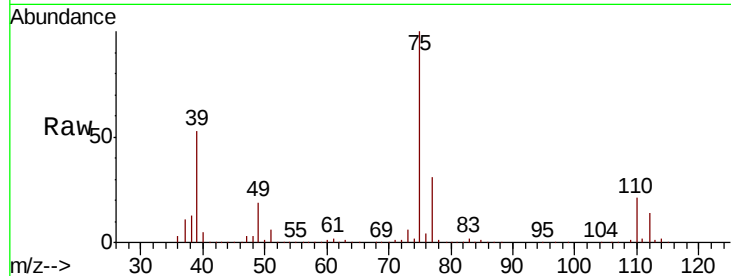




#49  
 cis-1,3-Dichloropropene  
 Concen: 189.958 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

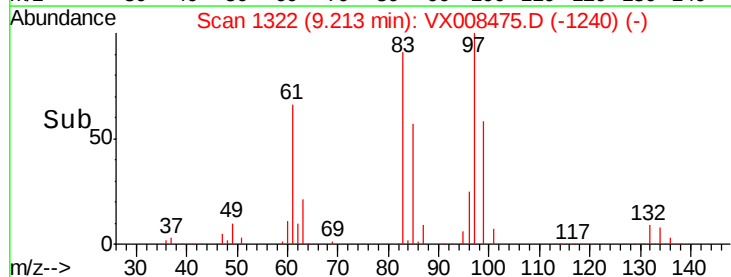
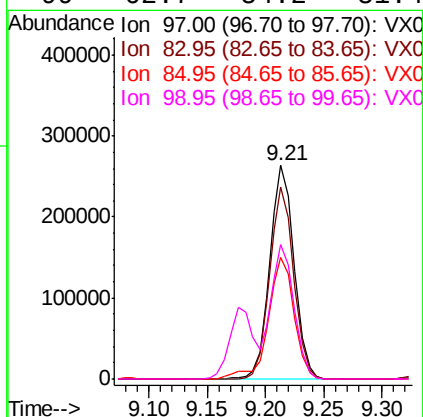
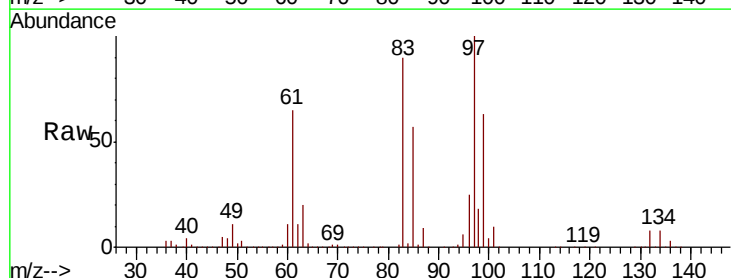
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

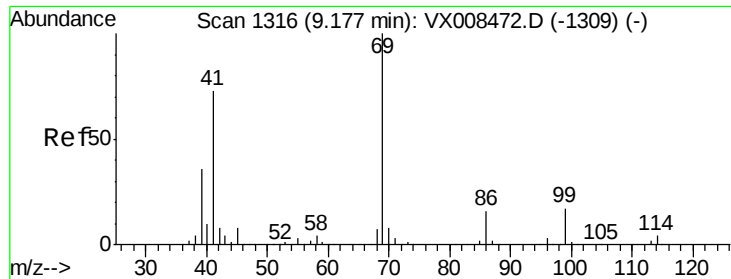
Tgt Ion: 75 Resp: 667919  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.0 37.4  
 39 53.0 38.5 57.7



#50  
 1,1,2-Trichloroethane  
 Concen: 160.881 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 97 Resp: 383339  
 Ion Ratio Lower Upper  
 97 100  
 83 89.6 72.0 108.0  
 85 56.9 45.0 67.6  
 99 62.7 54.2 81.4





#51

Ethyl methacrylate

Concen: 214.603 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

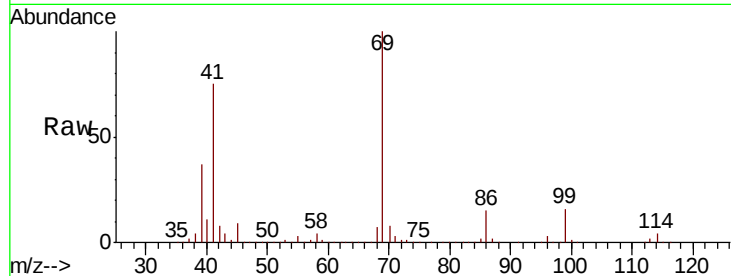
Tgt Ion: 69 Resp: 746528

Ion Ratio Lower Upper

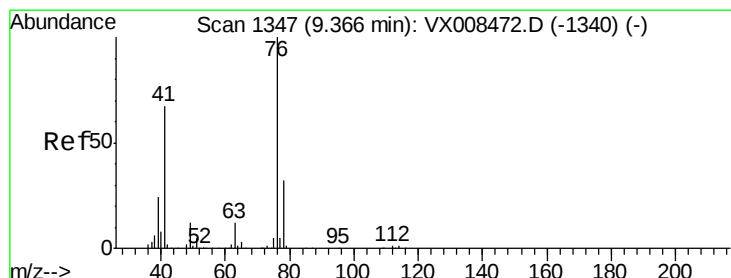
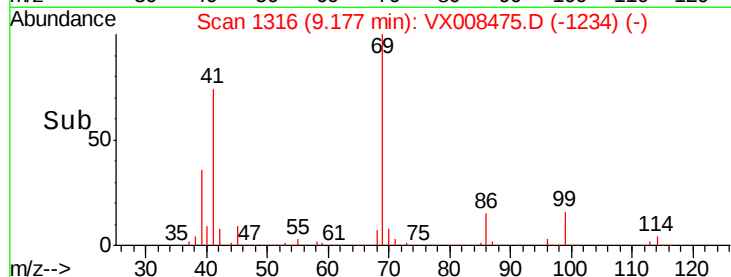
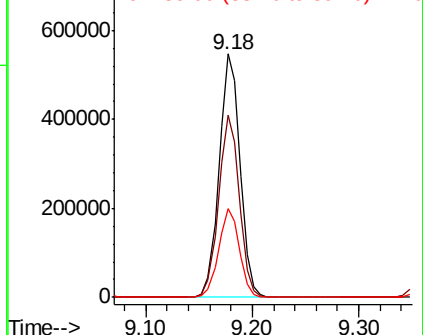
69 100

41 75.0 32.1 96.5

39 36.5 18.8 56.3



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: 176.852 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX008475.D

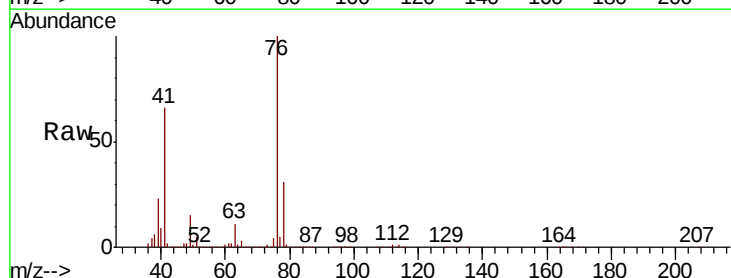
Acq: 27 Mar 2019 11:40

Tgt Ion: 76 Resp: 675818

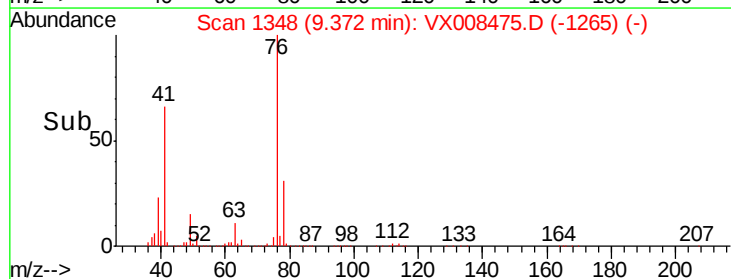
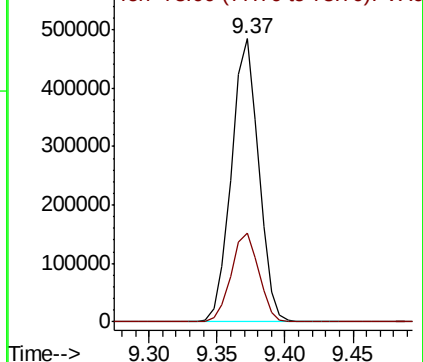
Ion Ratio Lower Upper

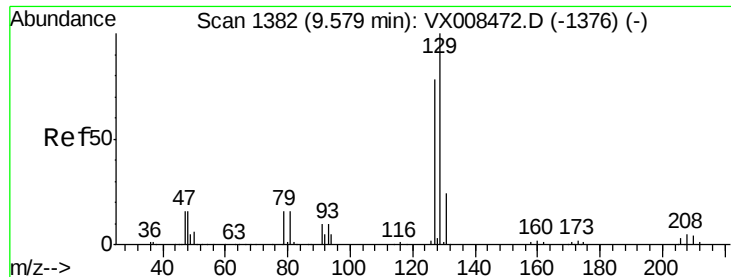
76 100

78 31.9 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0  
Ion 78.00 (77.70 to 78.70): VX0

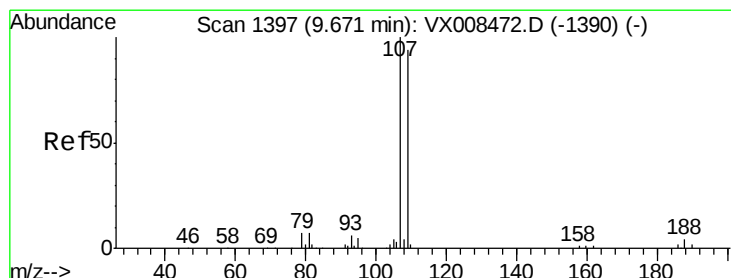
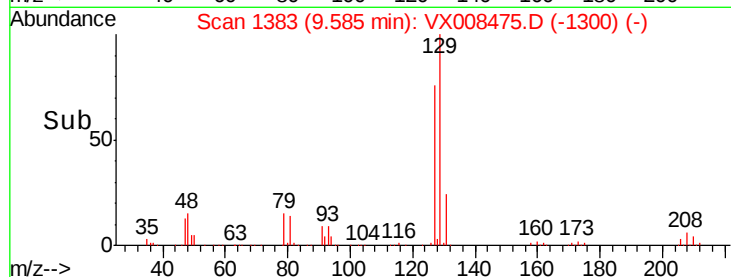
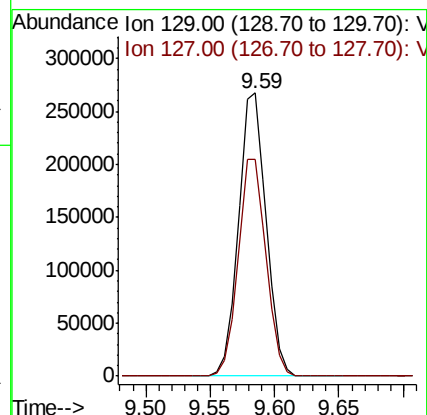
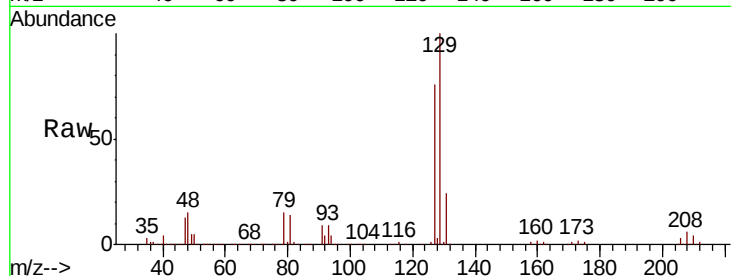




#53  
Dibromochloromethane  
Concen: 148.103 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

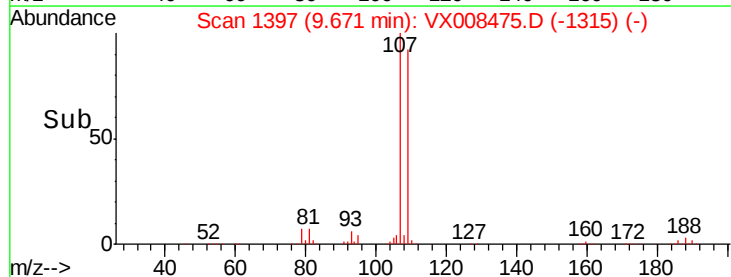
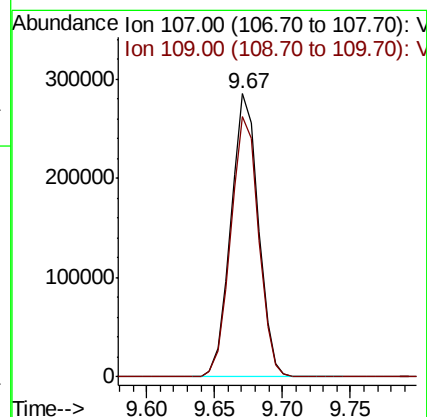
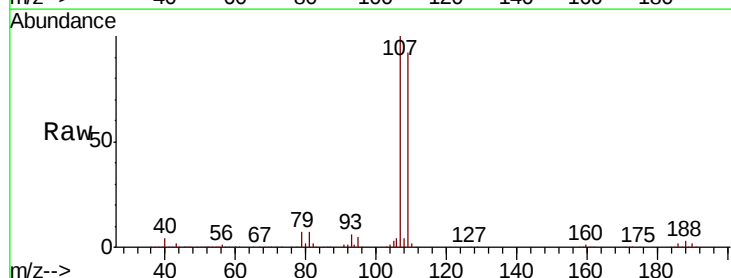
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

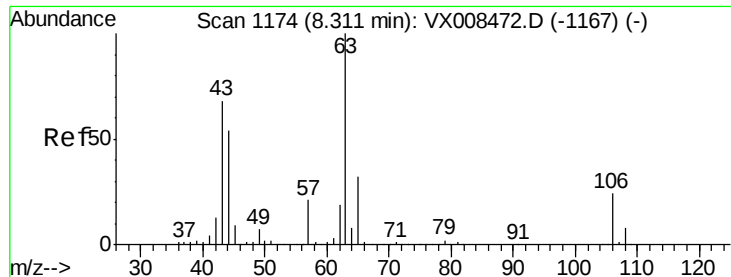
Tgt Ion:129 Resp: 397798  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.4 115.2



#54  
1,2-Dibromoethane  
Concen: 153.151 ug/l  
RT: 9.67 min Scan# 1397  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion:107 Resp: 400377  
Ion Ratio Lower Upper  
107 100  
109 93.2 76.6 115.0



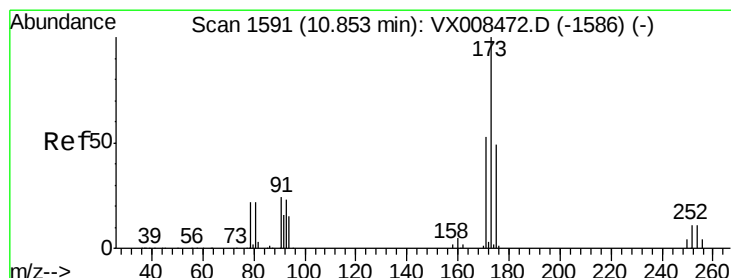
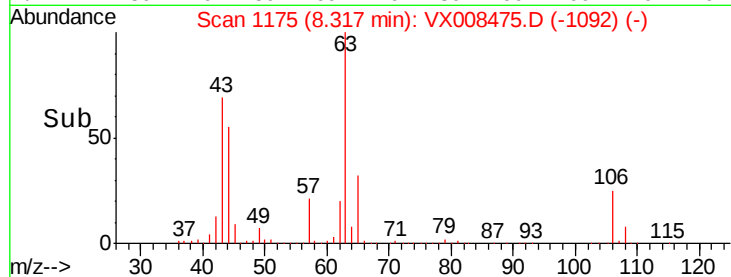
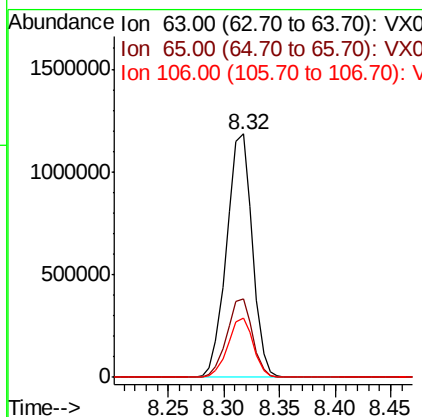
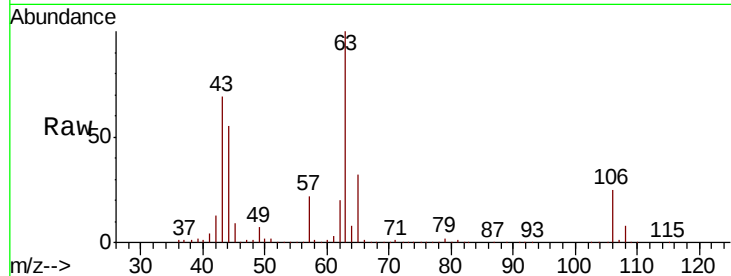


#55  
 2-Chloroethyl vinyl ether  
 Concen: 1080.832 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion: 63 Resp: 1891618

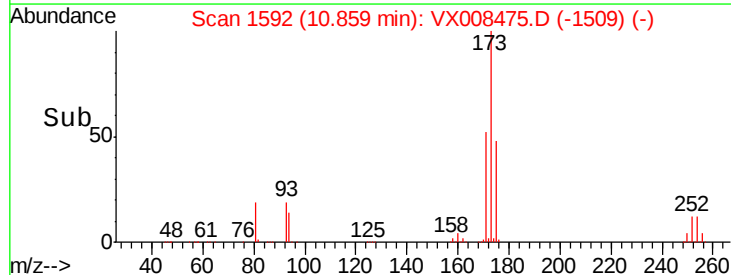
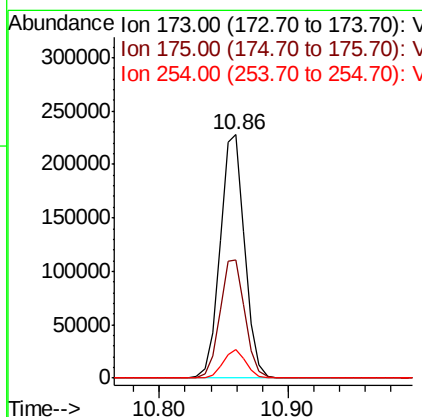
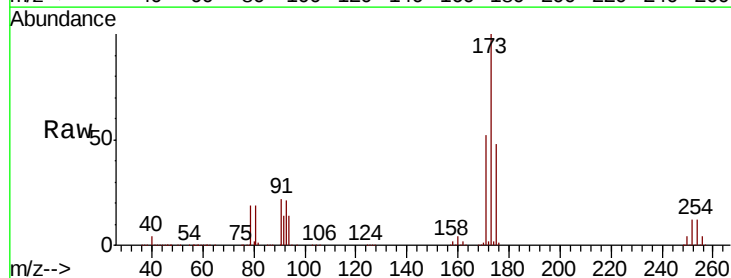
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.1  | 25.7  | 38.5  |
| 106 | 24.1  | 23.7  | 35.5  |

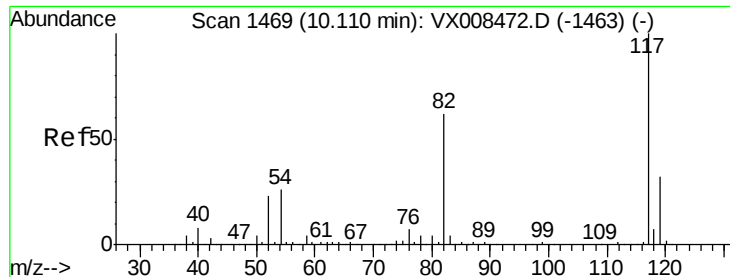


#56  
 Bromoform  
 Concen: 143.558 ug/l  
 RT: 10.86 min Scan# 1592  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 173 Resp: 304418

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 49.3  | 38.5  | 57.7  |
| 254 | 11.1  | 7.4   | 11.2  |

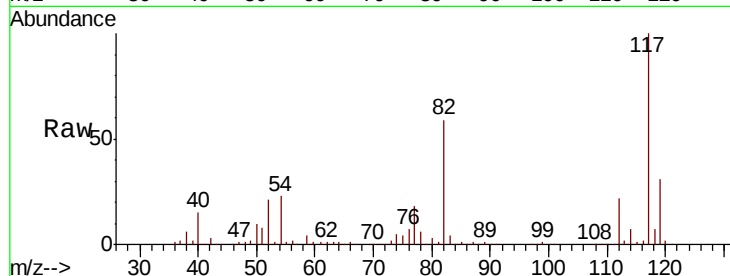




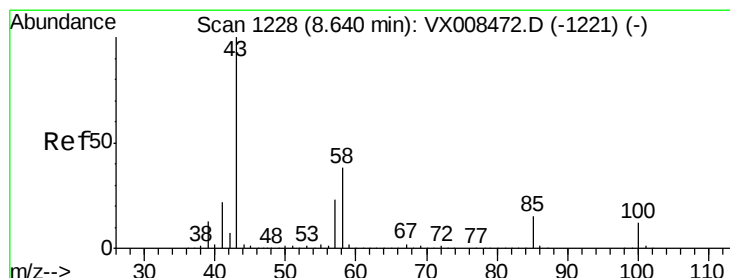
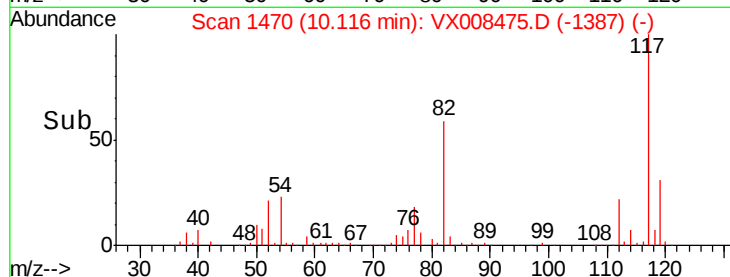
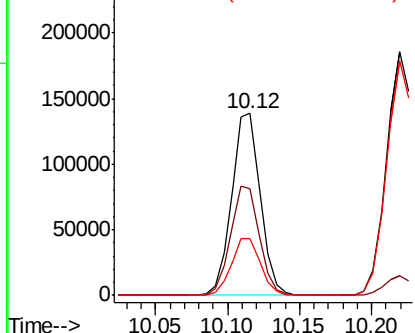
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 117 Resp: 193082  
Ion Ratio Lower Upper  
117 100  
82 60.3 40.4 60.6  
119 32.0 25.8 38.6

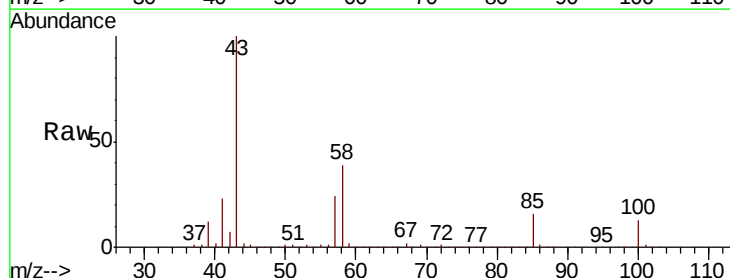


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 119.00 (118.70 to 119.70): V

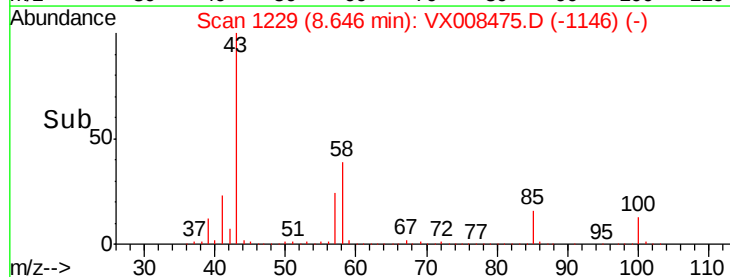
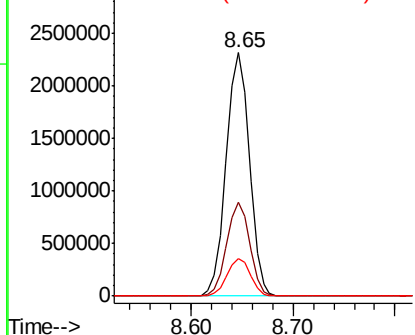


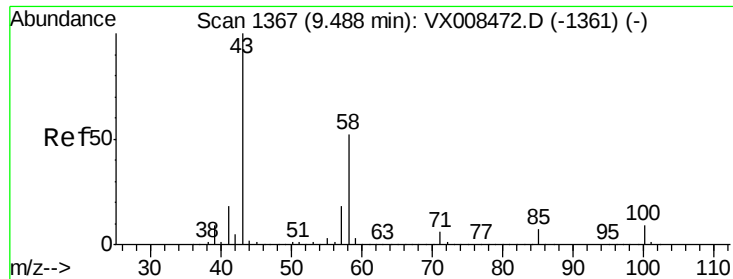
#58  
4-Methyl-2-Pentanone  
Concen: 1124.898 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 3656961  
Ion Ratio Lower Upper  
43 100  
58 38.0 31.4 47.0  
85 15.4 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0  
Ion 85.00 (84.70 to 85.70): VX0

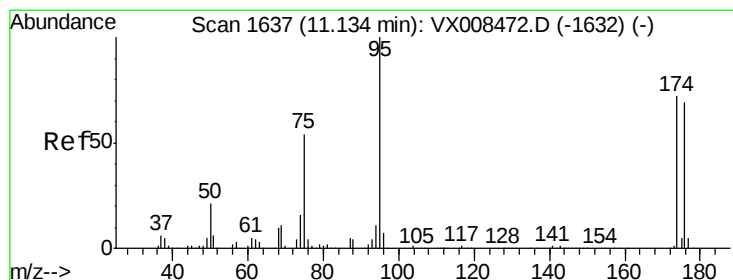
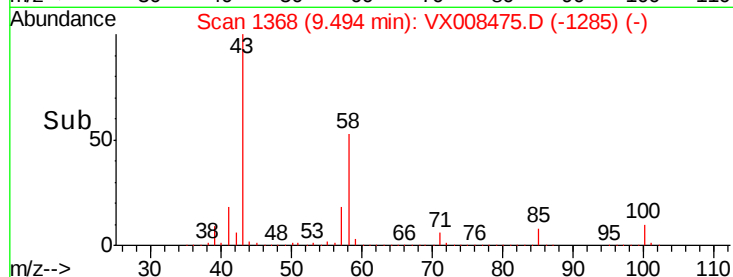
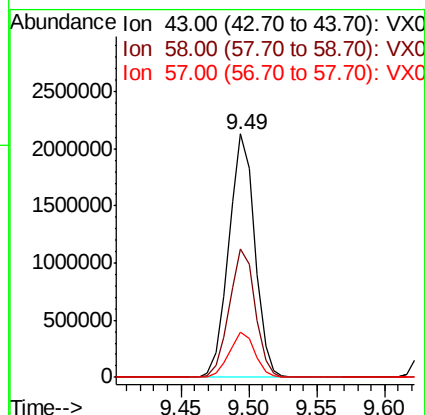
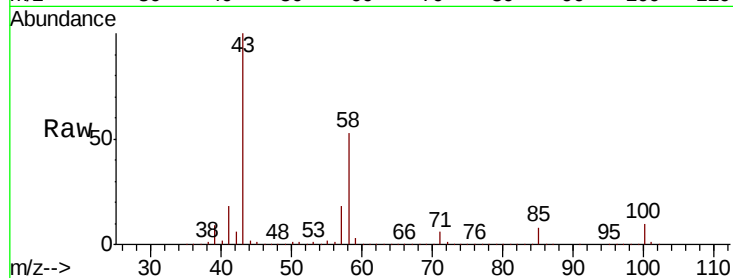




#59  
2-Hexanone  
Concen: 1097.923 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

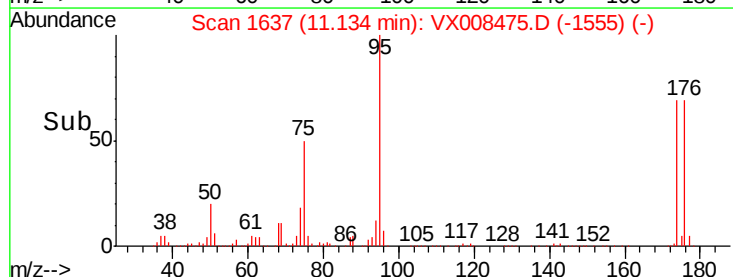
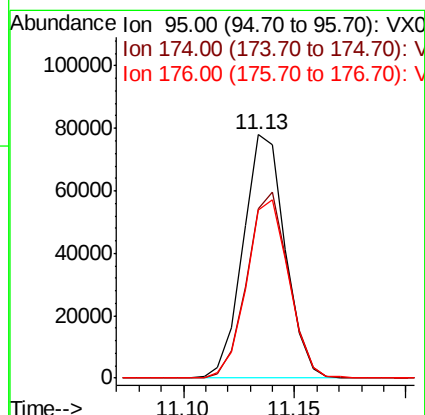
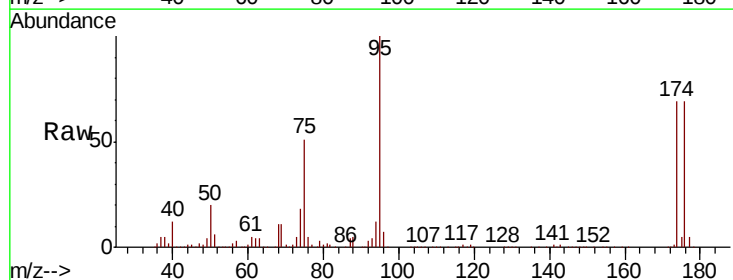
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

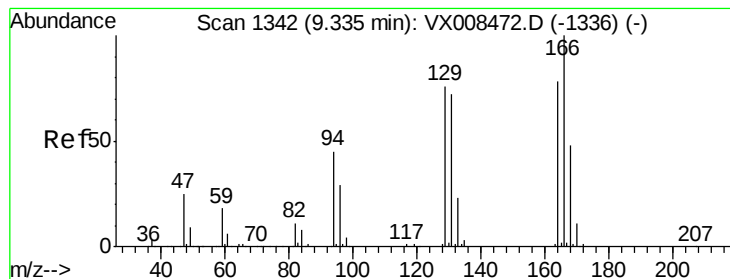
Tgt Ion: 43 Resp: 2823425  
Ion Ratio Lower Upper  
43 100  
58 52.8 43.9 65.9  
57 18.3 14.9 22.3



#60  
4-Bromofluorobenzene  
Concen: 32.536 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 95 Resp: 102256  
Ion Ratio Lower Upper  
95 100  
174 76.0 74.9 112.3  
176 74.0 70.7 106.1





#61

Tetrachloroethene

Concen: 112.187 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 291585

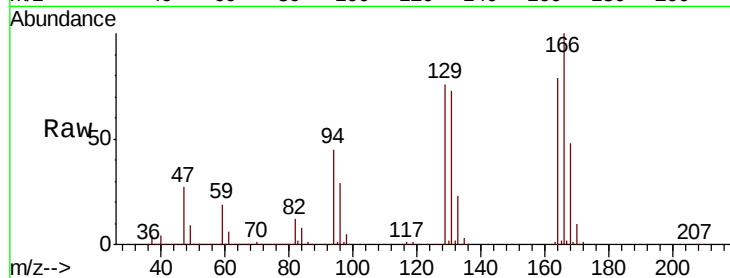
Ion Ratio Lower Upper

164 100

166 125.8 103.9 155.9

129 96.0 74.7 112.1

131 92.0 71.7 107.5

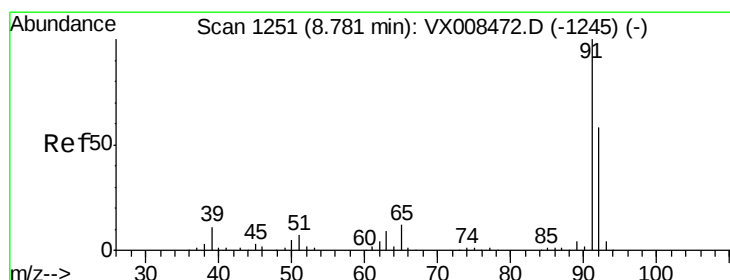
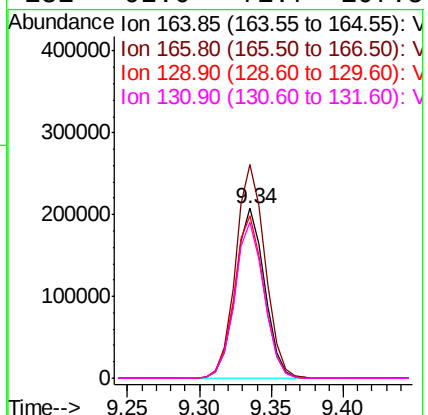
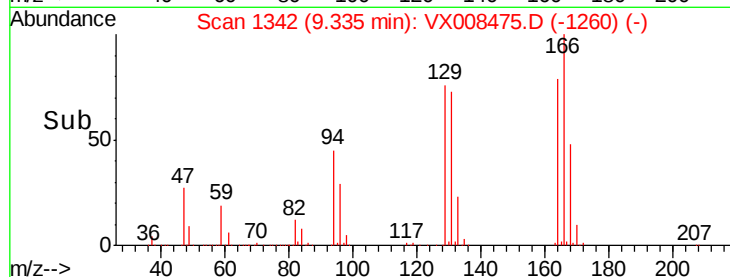


Abundance Ion 163.85 (163.55 to 164.55): V

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: 158.071 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008475.D

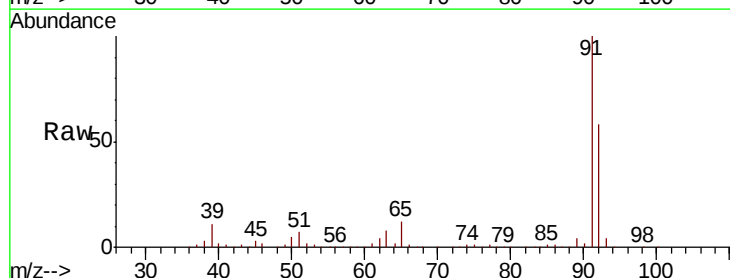
Acq: 27 Mar 2019 11:40

Tgt Ion: 91 Resp: 1620045

Ion Ratio Lower Upper

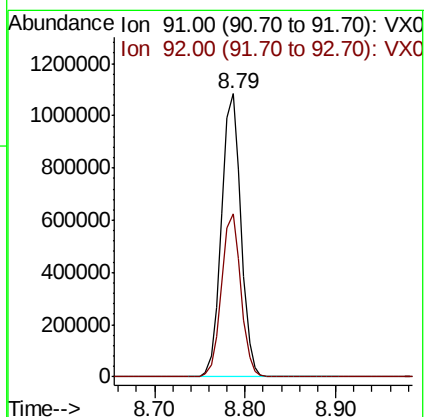
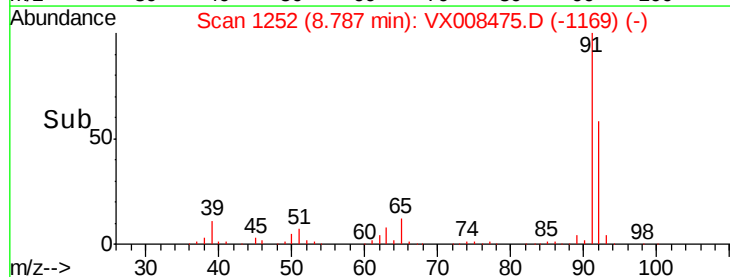
91 100

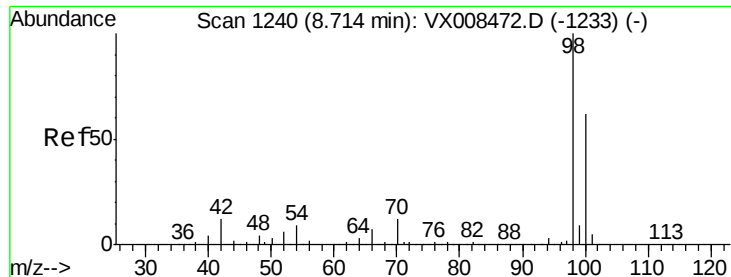
92 57.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.588 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

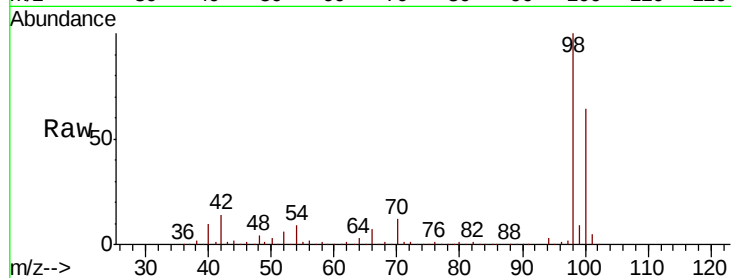
VSTDIC150

Tgt Ion: 98 Resp: 266094

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

200000

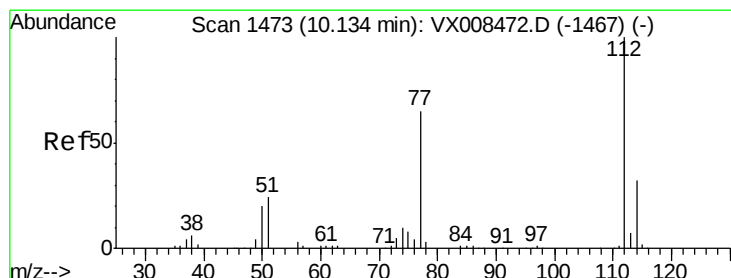
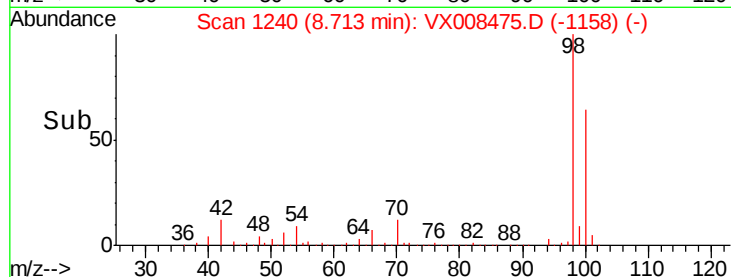
100000

0

8.65 8.70 8.75 8.80

8.71

Time-->



#64

Chlorobenzene

Concen: 148.973 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008475.D

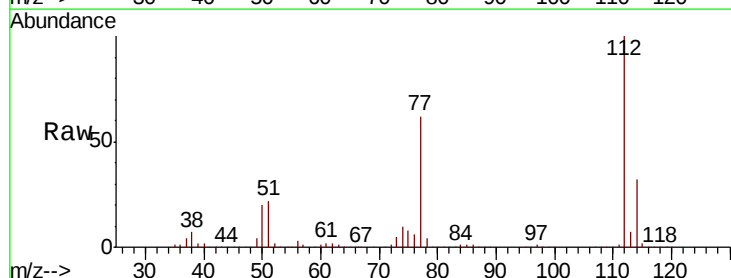
Acq: 27 Mar 2019 11:40

Tgt Ion: 112 Resp: 984309

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

800000

600000

400000

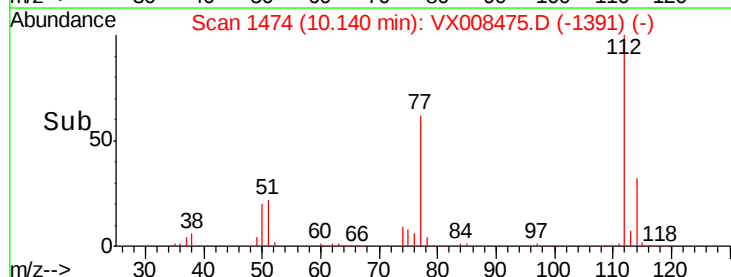
200000

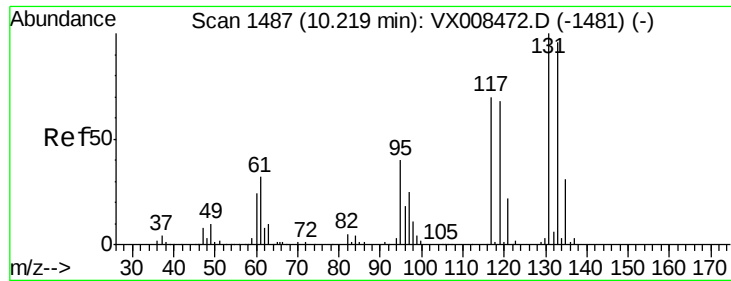
0

10.10 10.15 10.20

10.14

Time-->

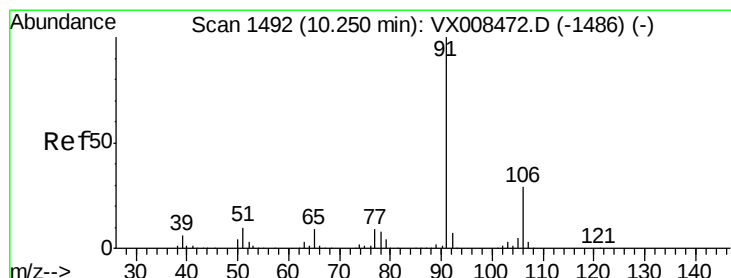
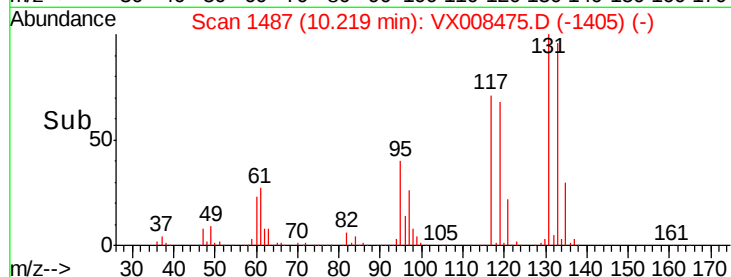
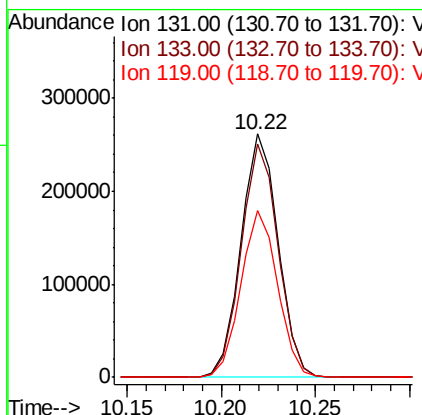
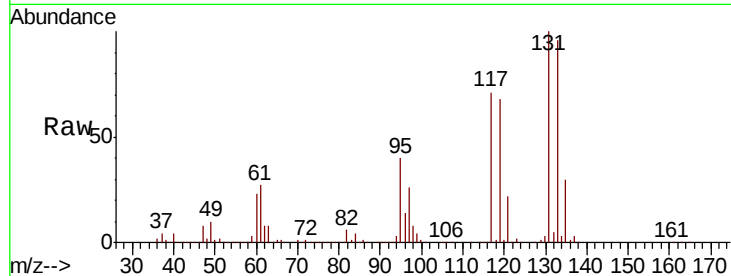




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 141.513 ug/l  
 RT: 10.22 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

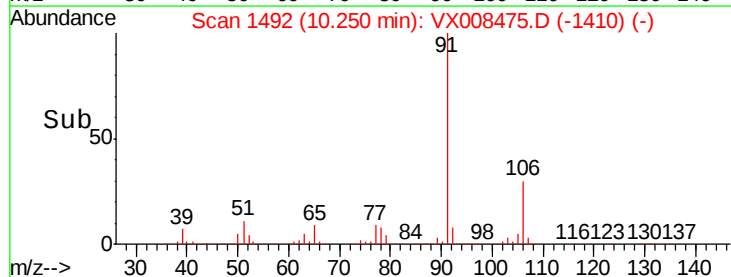
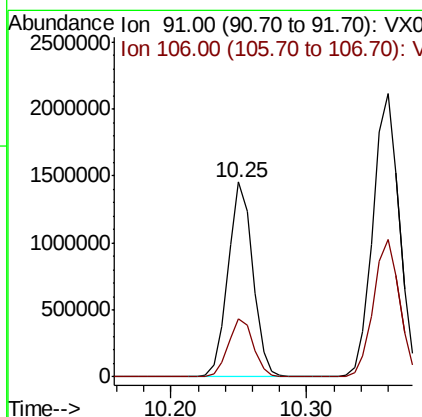
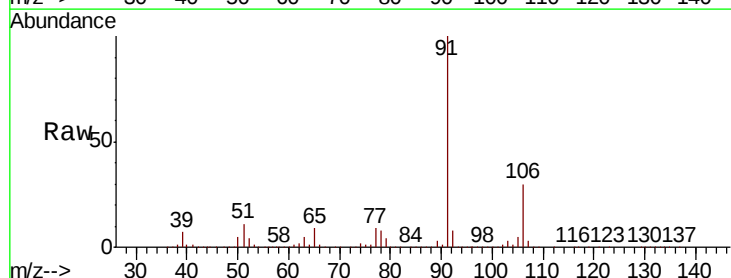
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

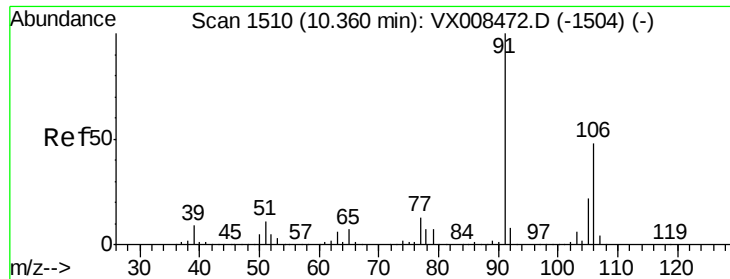
Tgt Ion:131 Resp: 357109  
 Ion Ratio Lower Upper  
 131 100  
 133 95.3 0.0 191.6  
 119 68.0 0.0 127.4



#66  
 Ethyl Benzene  
 Concen: 166.629 ug/l  
 RT: 10.25 min Scan# 1492  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 91 Resp: 1846890  
 Ion Ratio Lower Upper  
 91 100  
 106 30.1 26.0 39.0

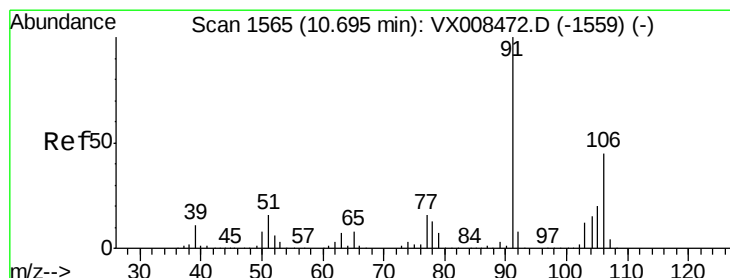
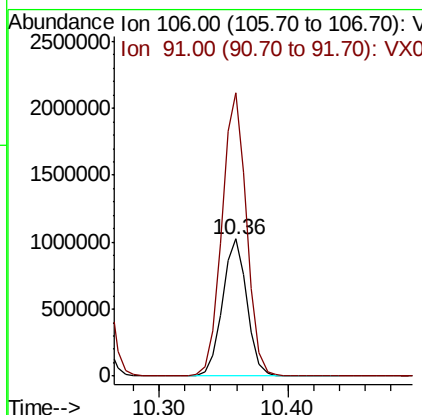
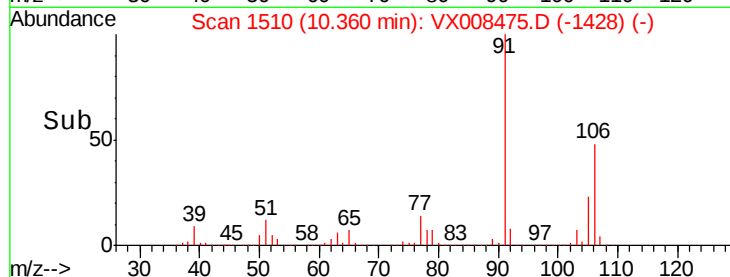
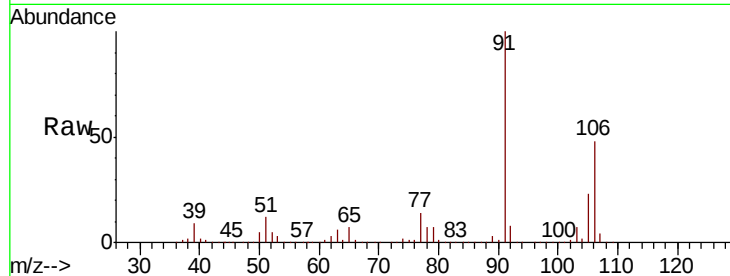




#67  
m/p-Xylenes  
Concen: 309.284 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

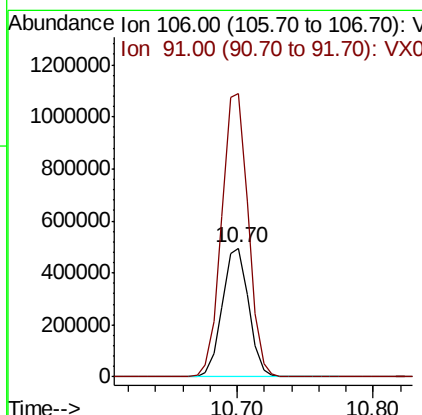
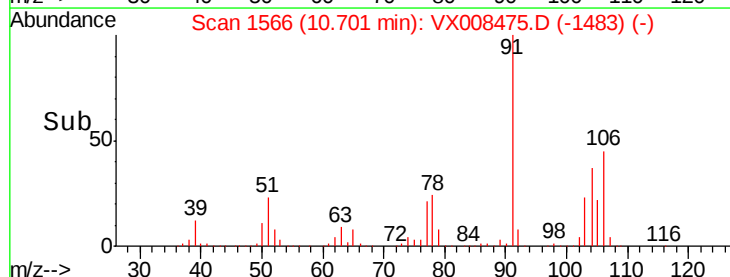
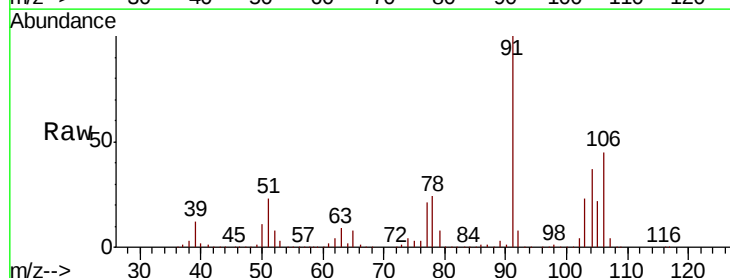
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

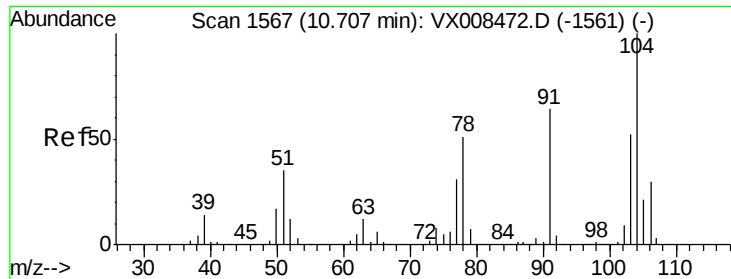
Tgt Ion:106 Resp: 1362470  
Ion Ratio Lower Upper  
106 100  
91 208.4 157.0 235.4



#68  
o-Xylene  
Concen: 156.819 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion:106 Resp: 663631  
Ion Ratio Lower Upper  
106 100  
91 222.1 104.4 313.2

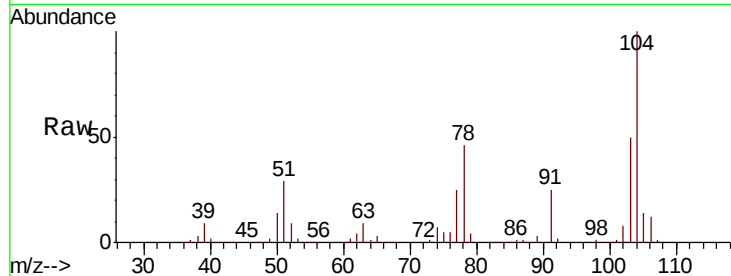




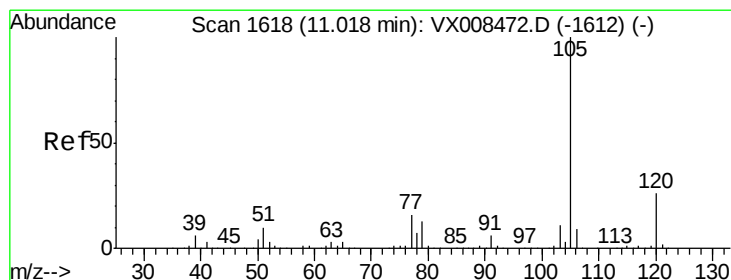
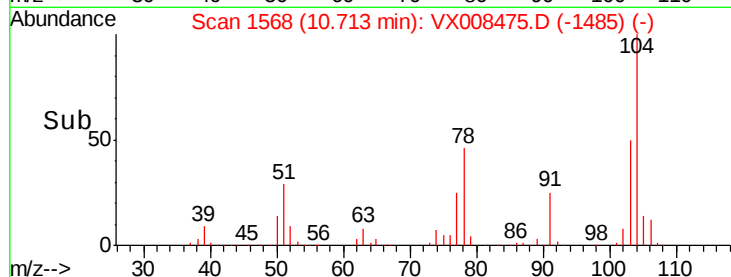
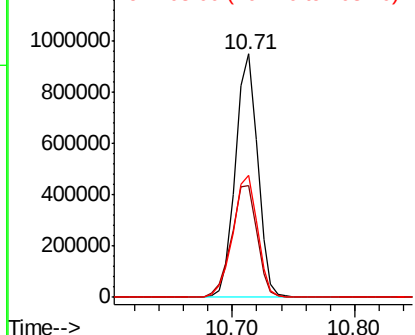
#69  
Styrene  
Concen: 167.151 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:104 Resp: 1194206  
Ion Ratio Lower Upper  
104 100  
78 52.7 38.2 57.2  
103 55.0 45.0 67.4

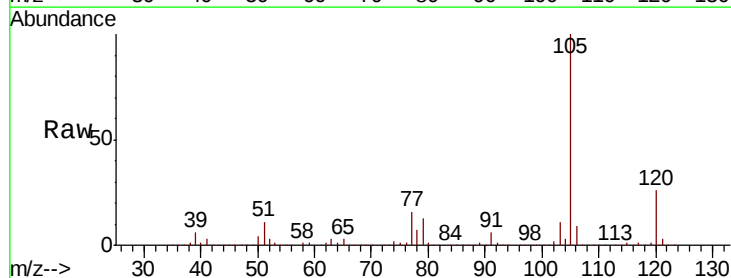


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX  
Ion 103.00 (102.70 to 103.70): V

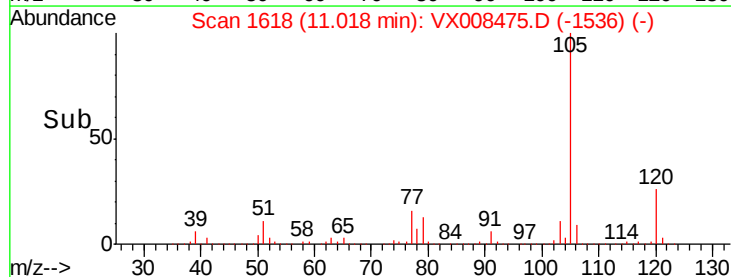
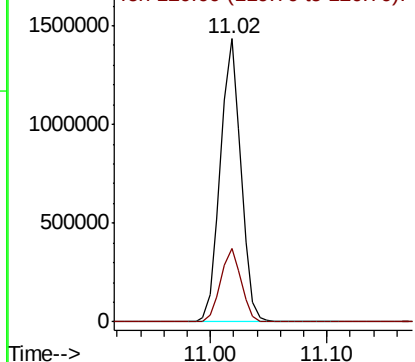


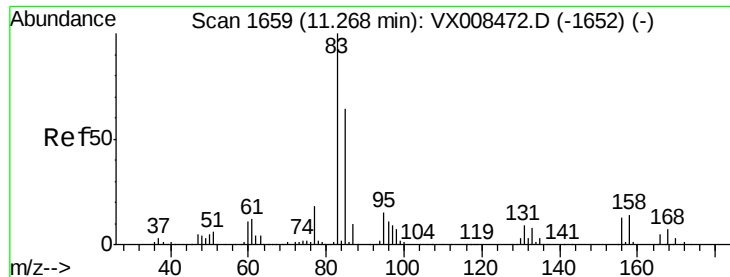
#70  
Isopropylbenzene  
Concen: 156.281 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion:105 Resp: 1740049  
Ion Ratio Lower Upper  
105 100  
120 26.0 19.8 36.8



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

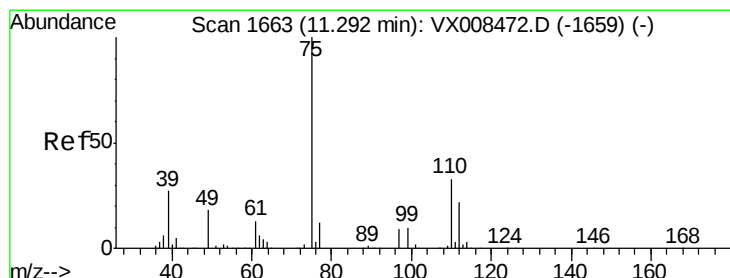
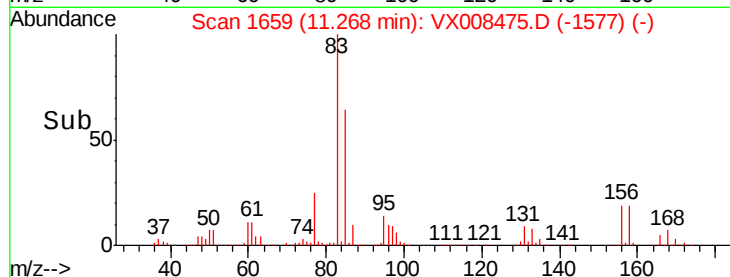
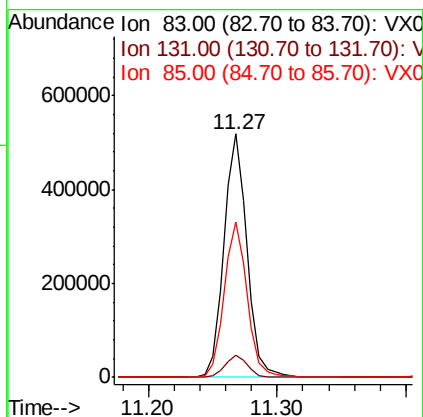
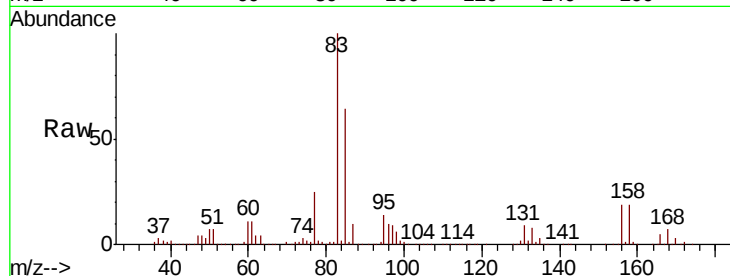




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 171.978 ug/l  
 RT: 11.27 min Scan# 1659  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

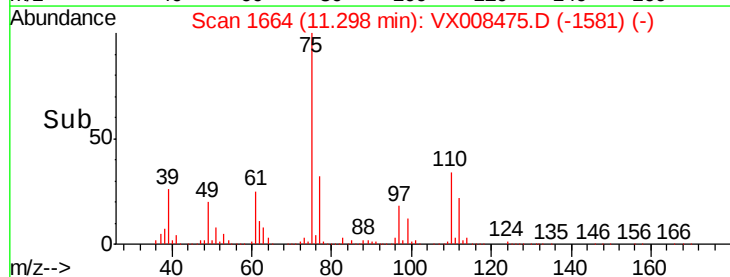
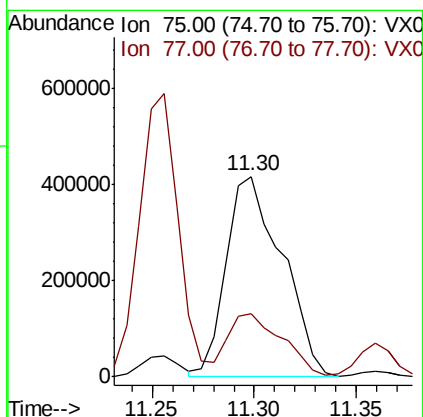
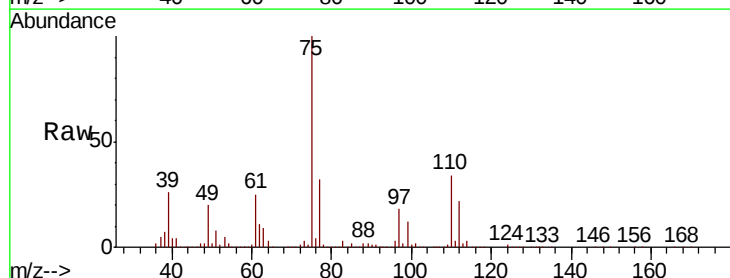
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

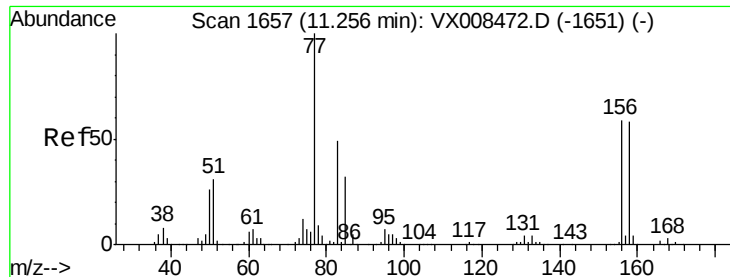
Tgt Ion: 83 Resp: 652943  
 Ion Ratio Lower Upper  
 83 100  
 131 9.1 5.4 16.2  
 85 63.9 32.8 98.4



#72  
 1,2,3-Trichloropropane  
 Concen: 259.798 ug/l  
 RT: 11.30 min Scan# 1664  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 75 Resp: 794552  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 0.0 76.4





#73

Bromobenzene

Concen: 138.752 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

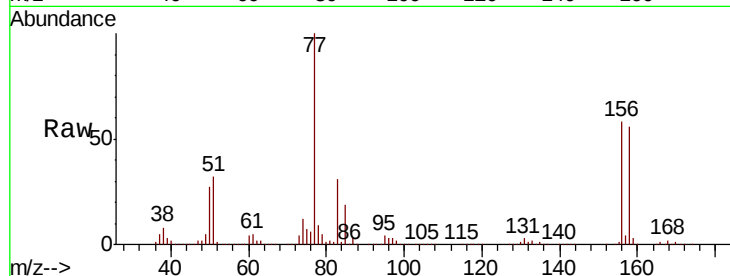
Tgt Ion:156 Resp: 427433

Ion Ratio Lower Upper

156 100

77 182.7 0.0 271.4

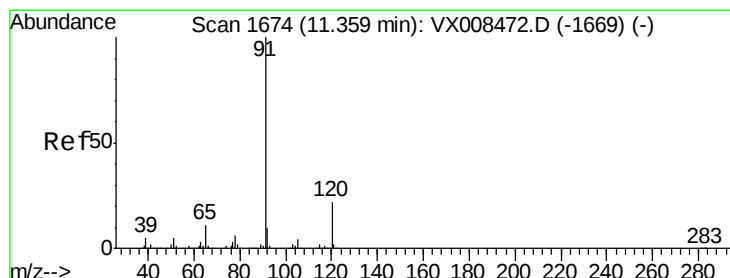
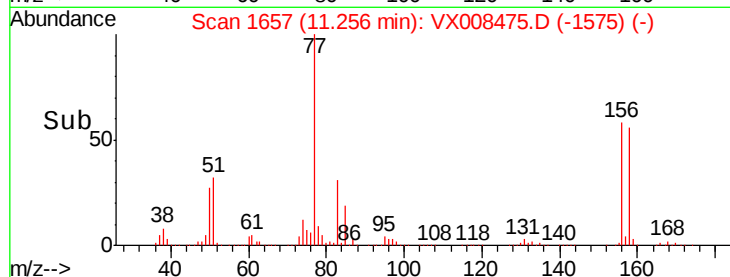
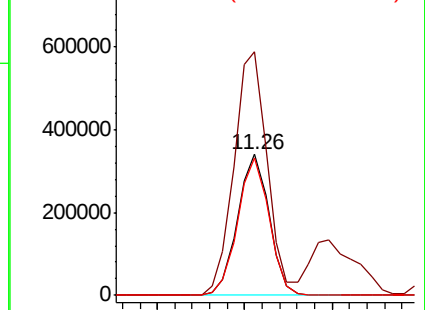
158 97.0 0.0 194.0



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: 170.666 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008475.D

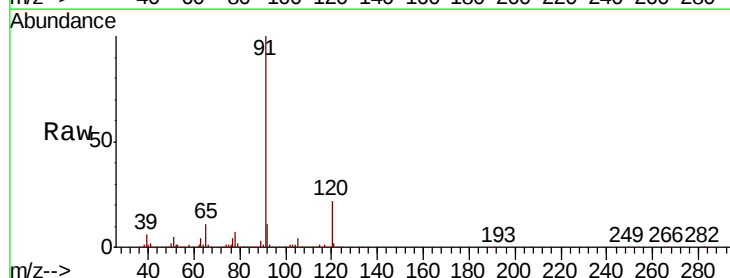
Acq: 27 Mar 2019 11:40

Tgt Ion: 91 Resp: 2118064

Ion Ratio Lower Upper

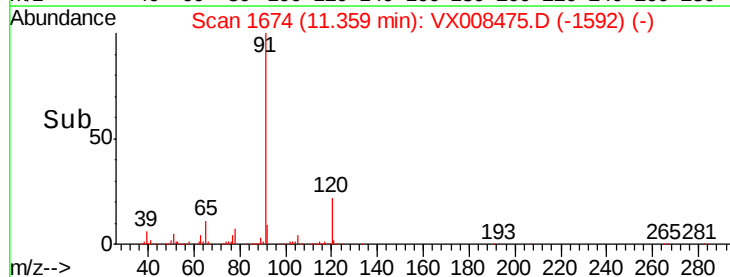
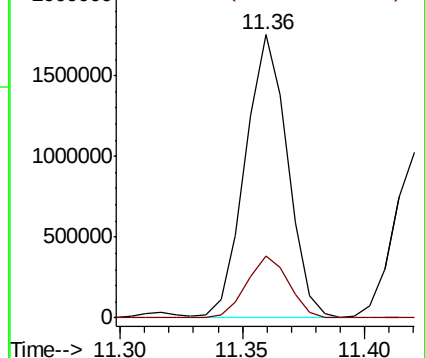
91 100

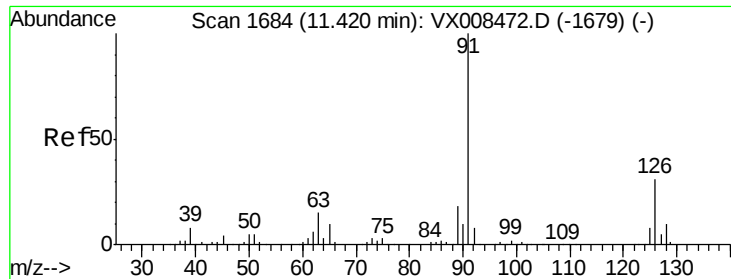
120 21.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 167.921 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

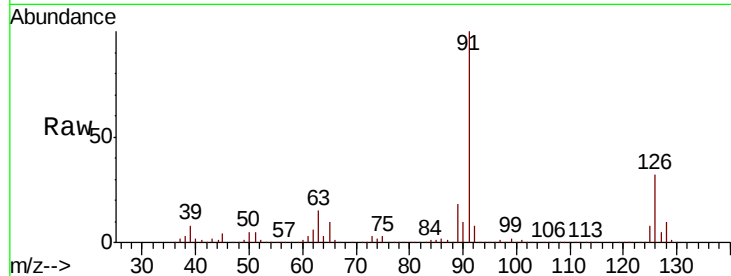
VSTDIC150

Tgt Ion: 91 Resp: 1244561

Ion Ratio Lower Upper

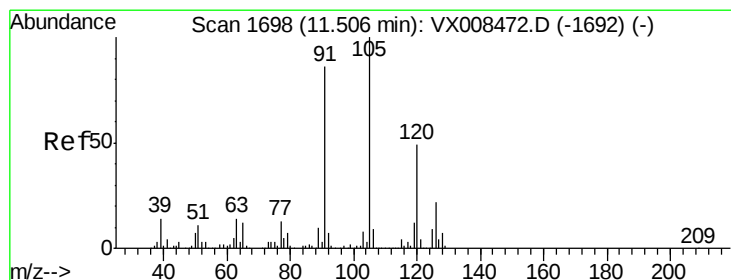
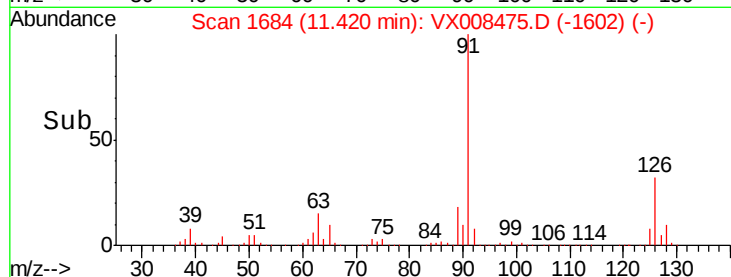
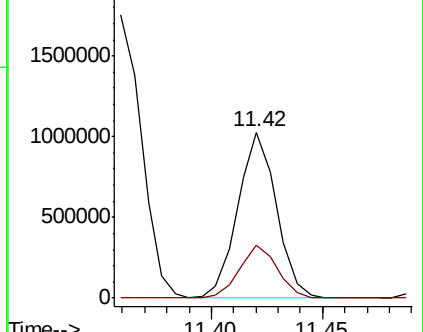
91 100

126 31.6 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008472.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 160.145 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008475.D

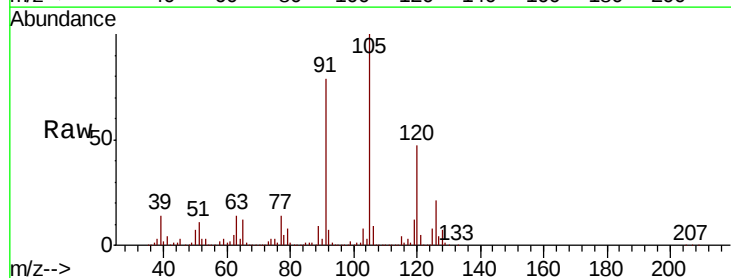
Acq: 27 Mar 2019 11:40

Tgt Ion: 105 Resp: 1523240

Ion Ratio Lower Upper

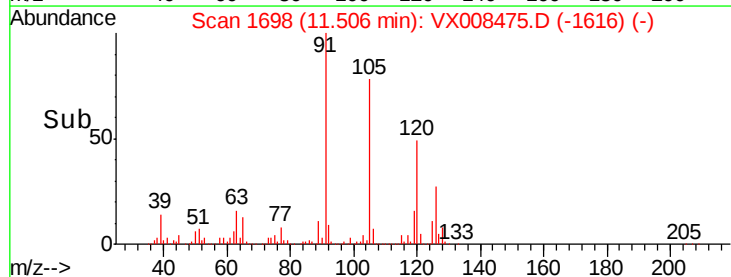
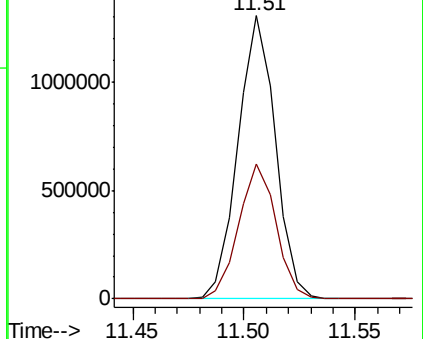
105 100

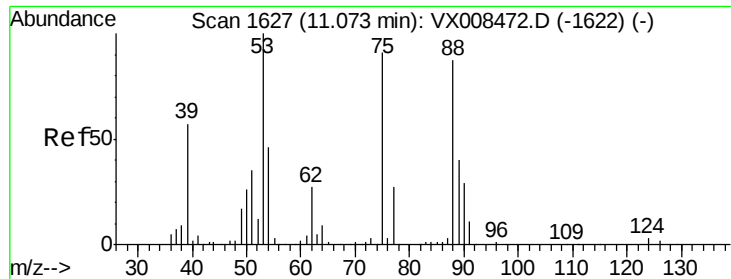
120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008472.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 228.605 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

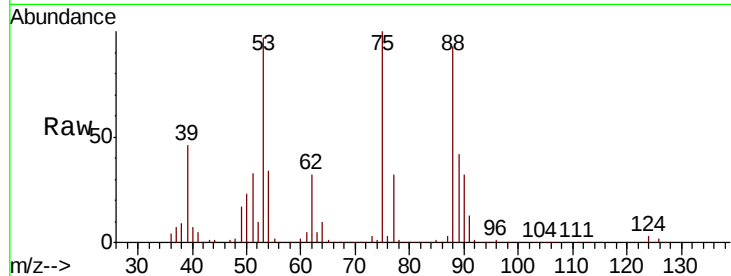
Tgt Ion: 75 Resp: 247684

Ion Ratio Lower Upper

75 100

53 97.1 55.5 166.7

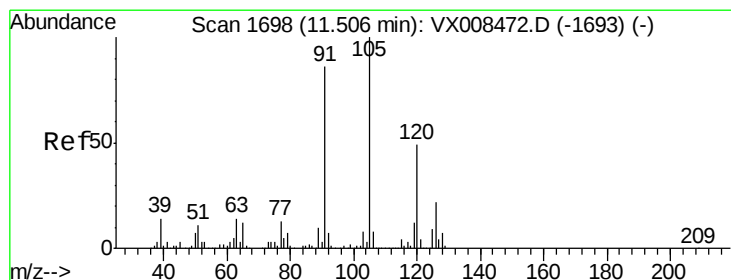
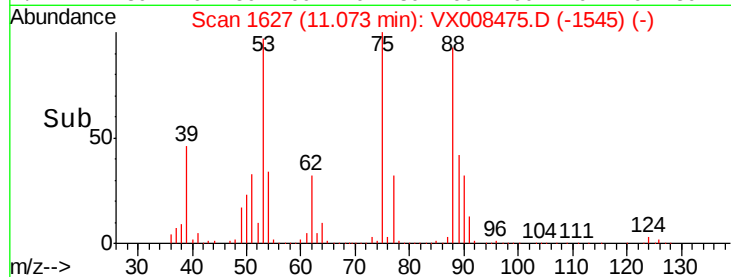
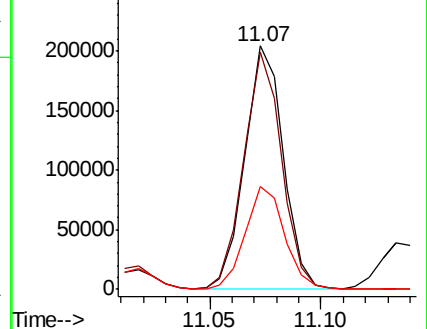
89 42.2 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 168.301 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008475.D

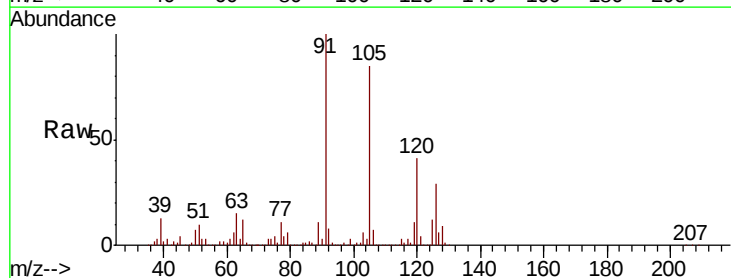
Acq: 27 Mar 2019 11:40

Tgt Ion: 91 Resp: 1468057

Ion Ratio Lower Upper

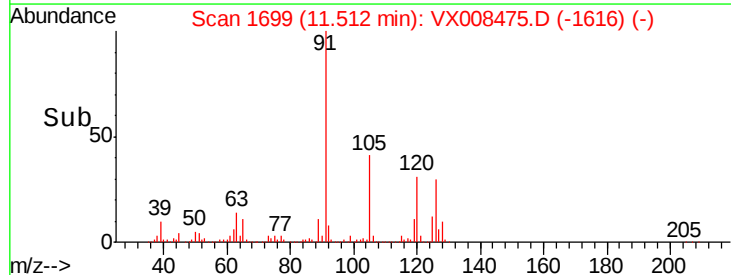
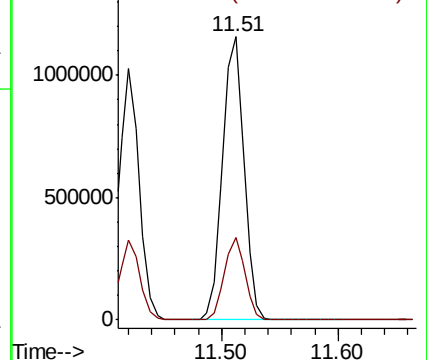
91 100

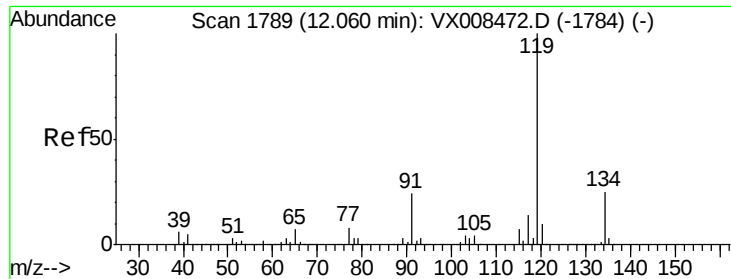
126 28.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

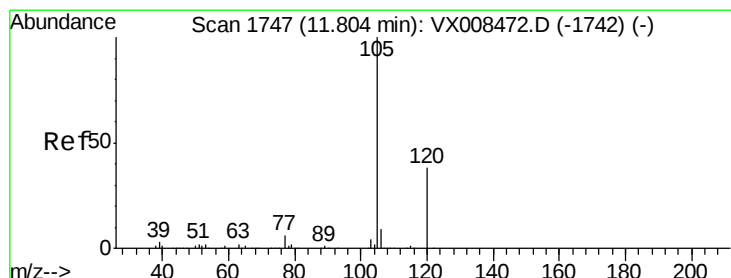
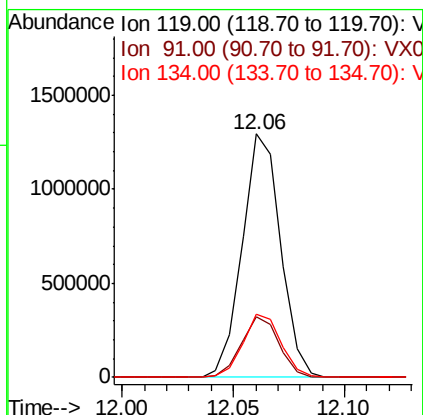
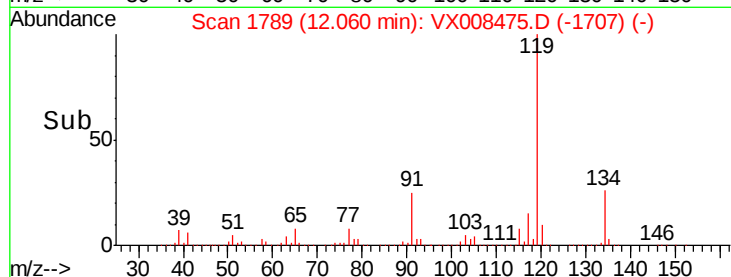
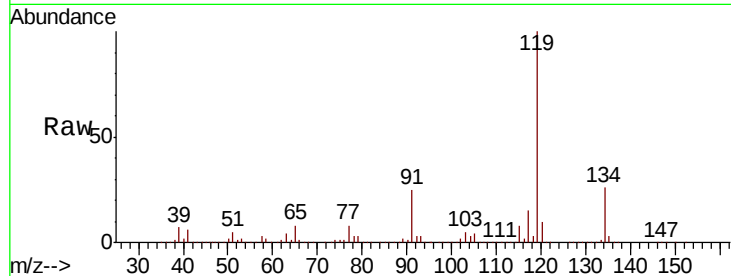




#79  
tert-butylbenzene  
Concen: 155.097 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

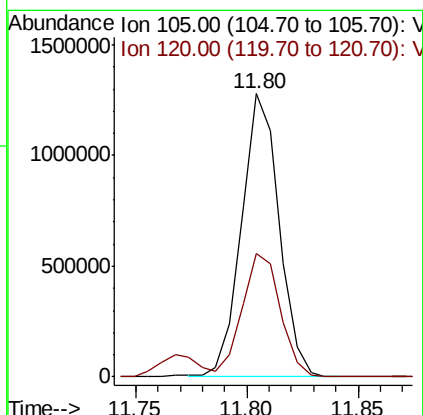
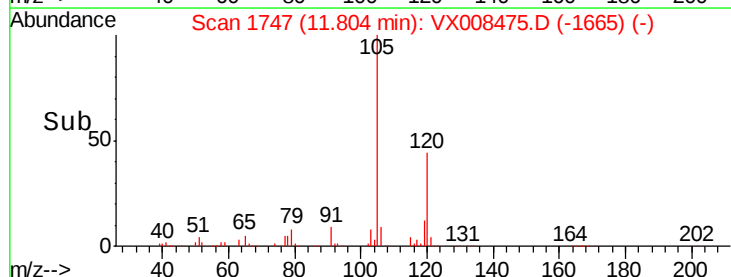
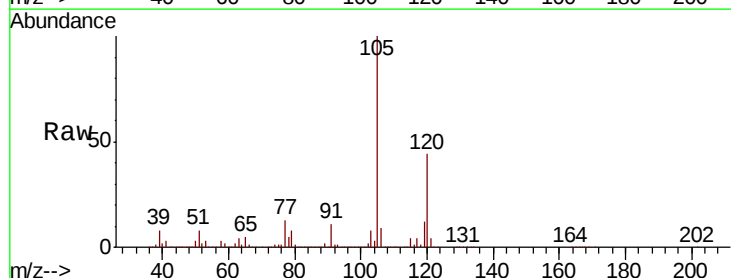
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

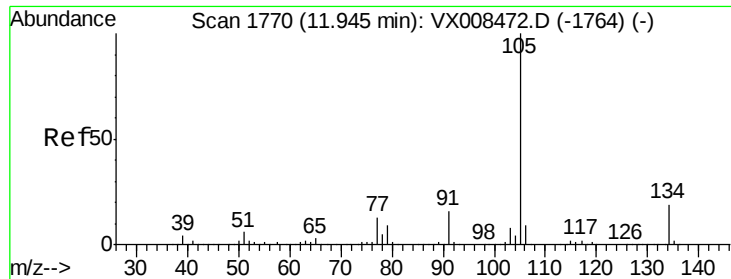
Tgt Ion:119 Resp: 1551783  
Ion Ratio Lower Upper  
119 100  
91 24.6 0.0 45.0  
134 25.8 0.0 55.4



#80  
1,2,4-Trimethylbenzene  
Concen: 159.428 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion:105 Resp: 1506860  
Ion Ratio Lower Upper  
105 100  
120 44.0 0.0 94.0





#81

sec-Butylbenzene

Concen: 159.215 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA\_X

ClientSampleId :

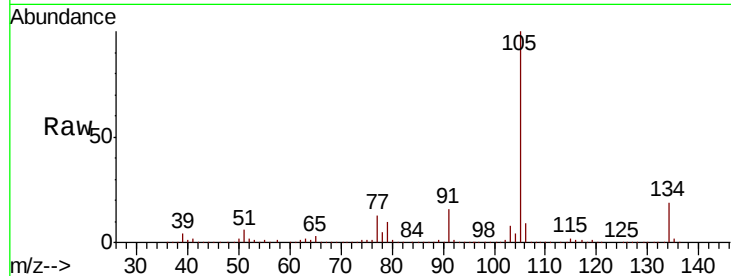
VSTDIC150

Tgt Ion:105 Resp: 1727339

Ion Ratio Lower Upper

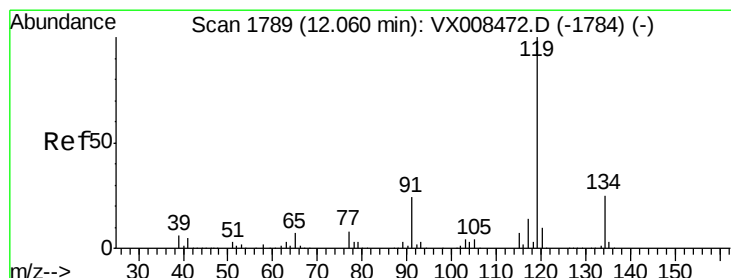
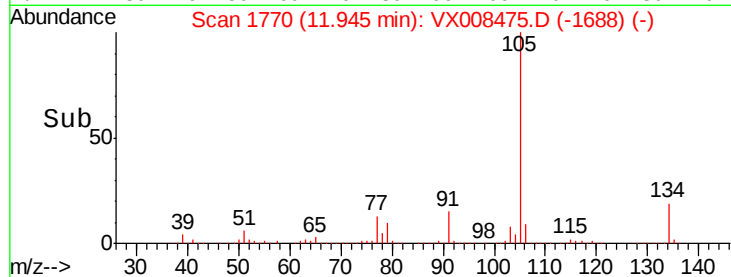
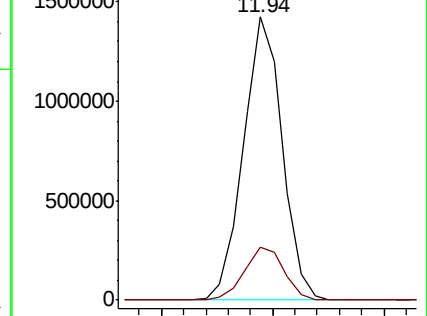
105 100

134 19.1 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 155.097 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

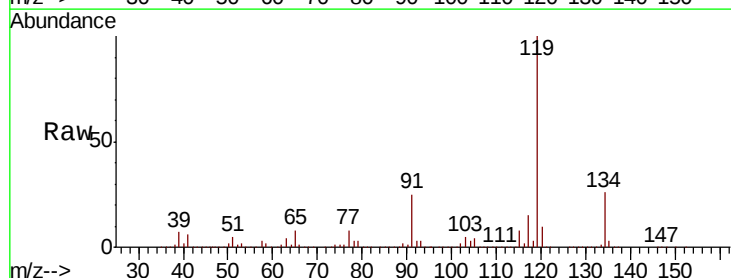
Tgt Ion:119 Resp: 1551783

Ion Ratio Lower Upper

119 100

134 25.8 0.0 55.4

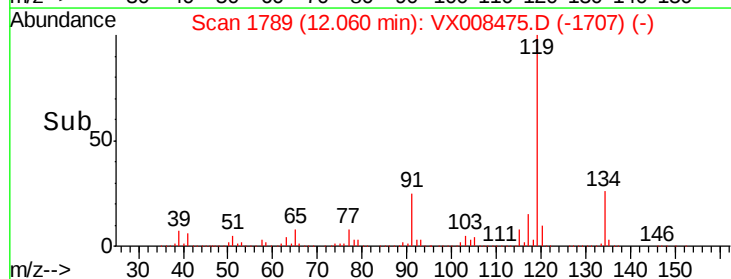
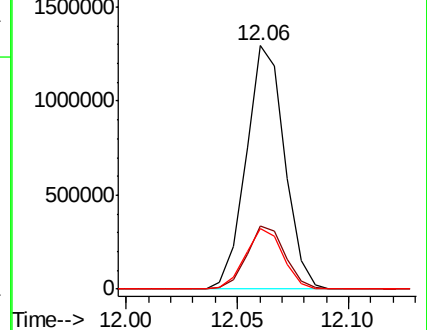
91 24.6 0.0 45.0

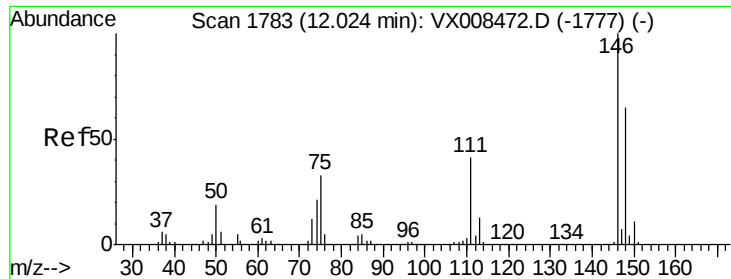


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

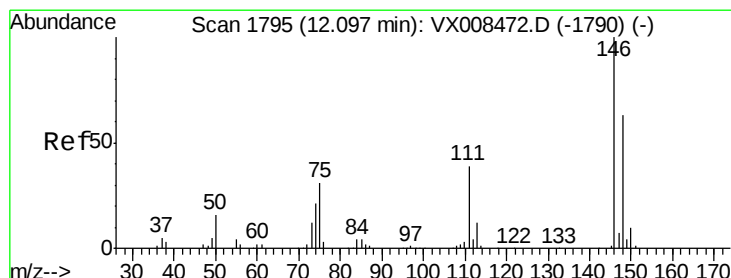
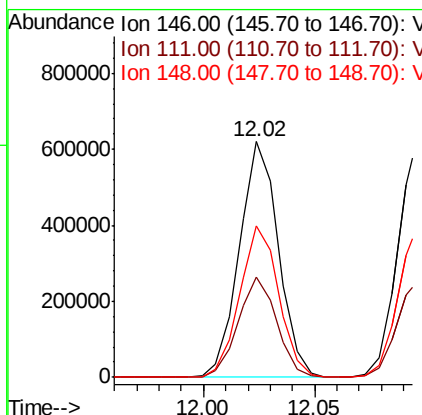
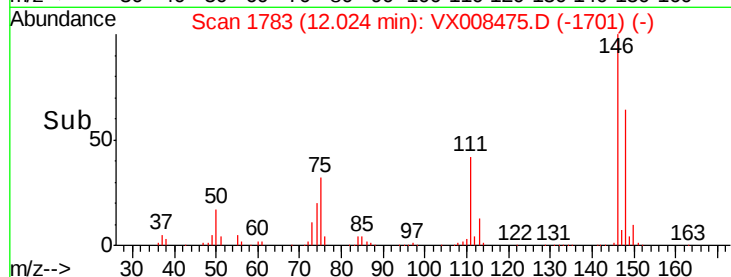
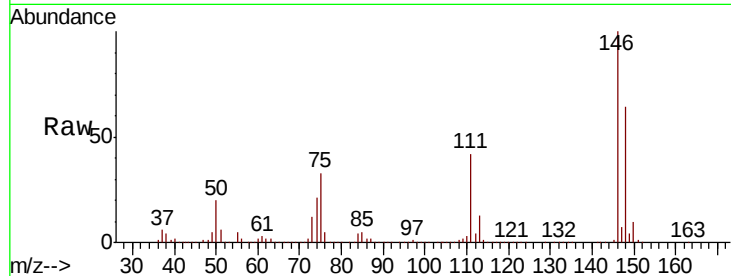




#83  
 1,3-Dichlorobenzene  
 Concen: 141.678 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

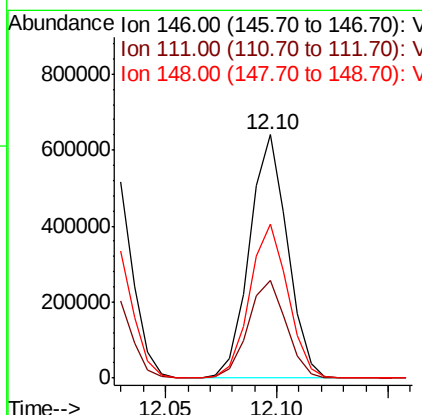
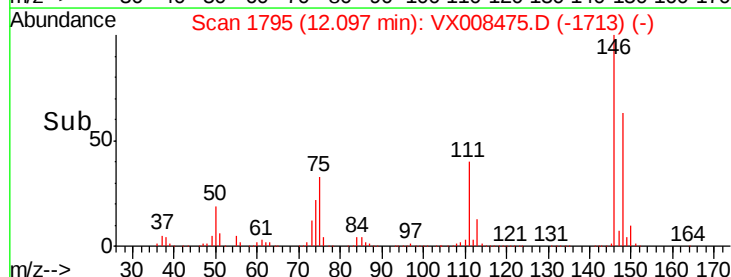
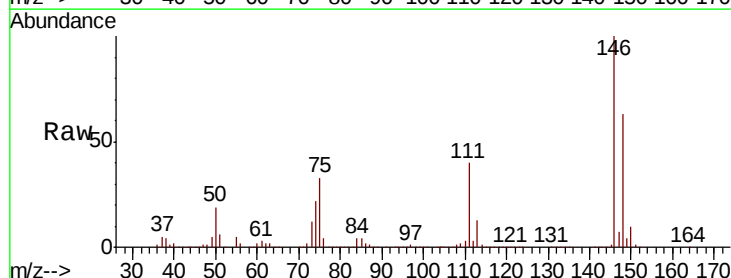
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

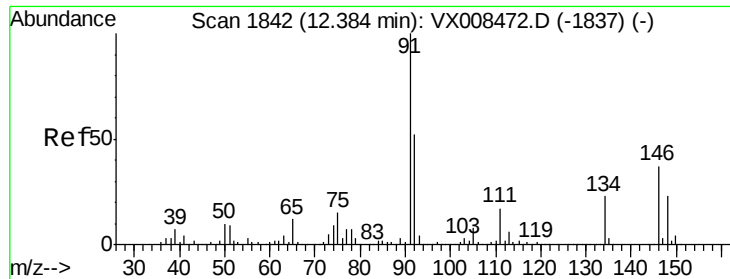
Tgt Ion:146 Resp: 757528  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 18.8 56.3  
 148 64.3 30.6 91.8



#84  
 1,4-Dichlorobenzene  
 Concen: 142.387 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion:146 Resp: 758150  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 17.6 52.8  
 148 63.8 31.4 94.2

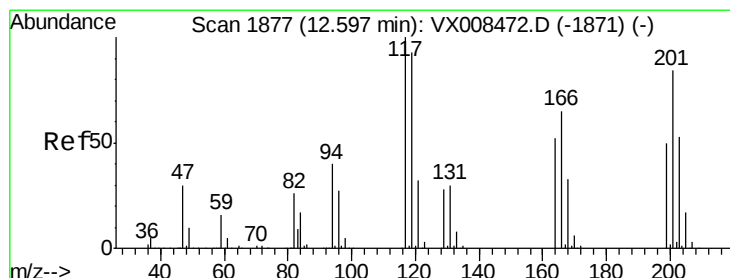
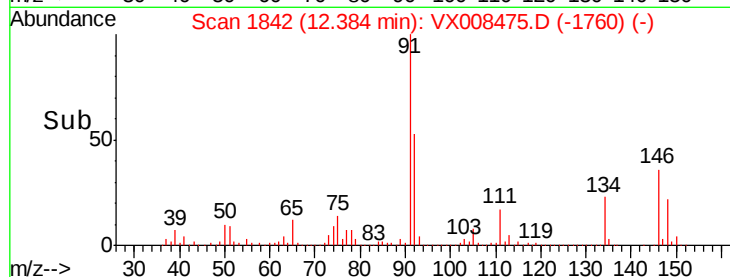
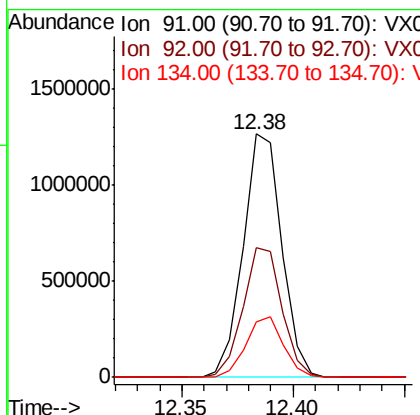
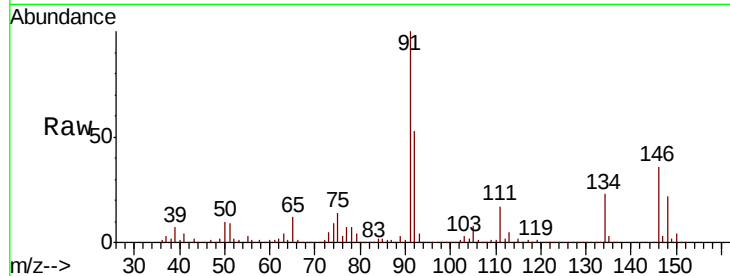




#85  
n-Butylbenzene  
Concen: 179.021 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

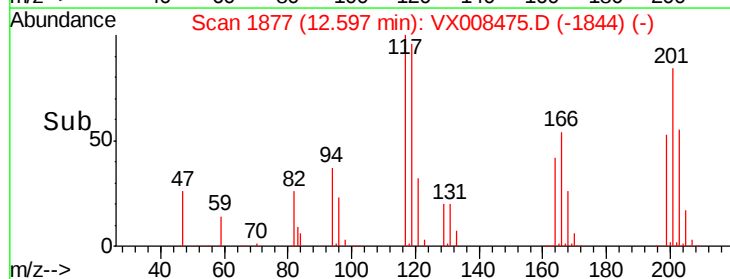
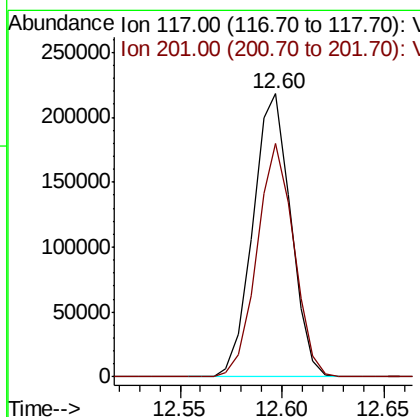
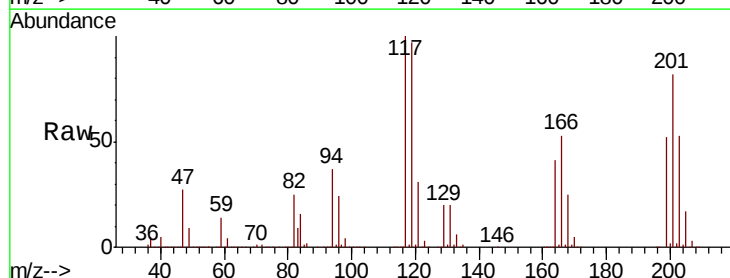
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

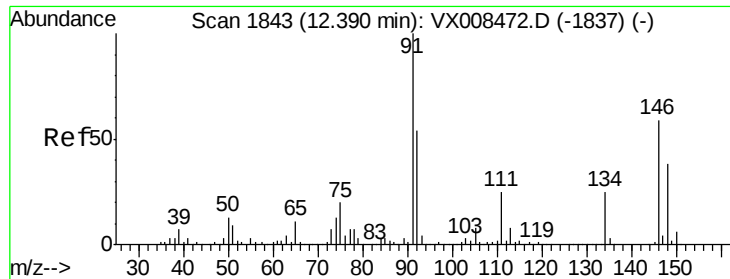
Tgt Ion: 91 Resp: 1540710  
Ion Ratio Lower Upper  
91 100  
92 53.4 0.0 105.2  
134 24.2 0.0 56.4



#86  
Hexachloroethane  
Concen: 163.242 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion: 117 Resp: 281491  
Ion Ratio Lower Upper  
117 100  
201 80.0 41.1 123.3

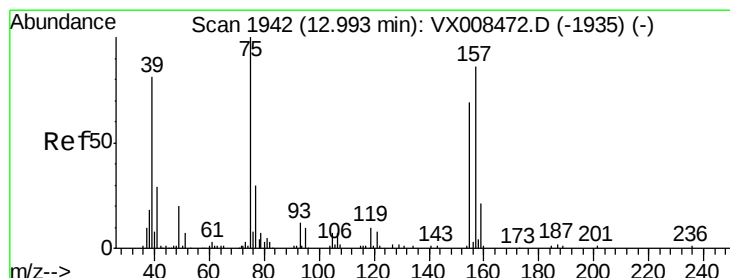
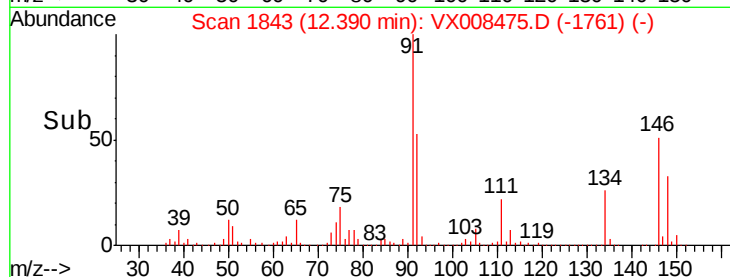
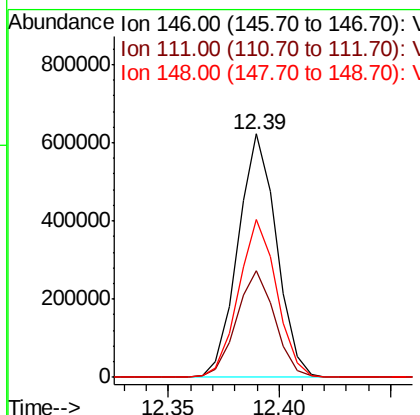
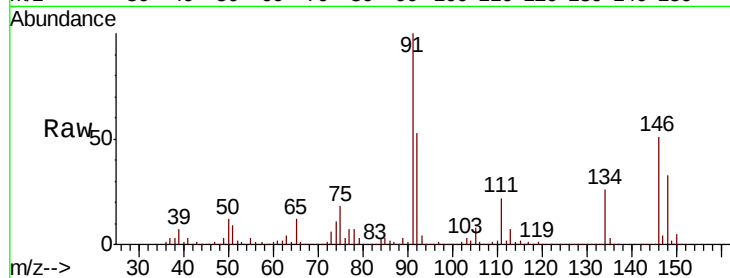




#87  
 1,2-Dichlorobenzene  
 Concen: 142.748 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

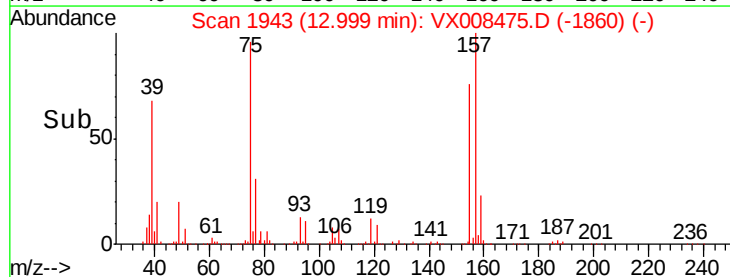
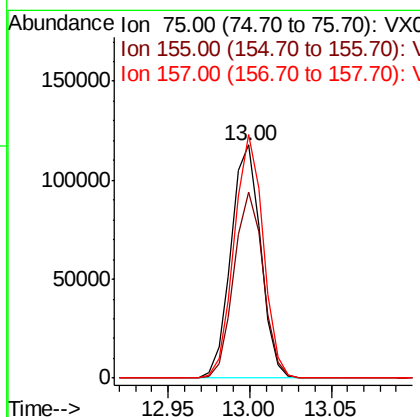
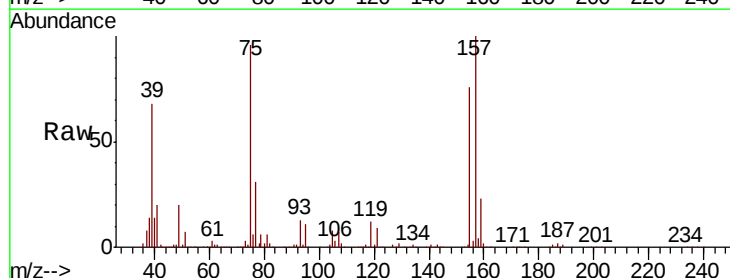
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

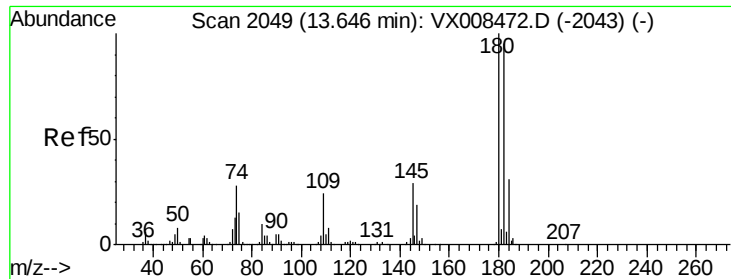
Tgt Ion: 146 Resp: 752713  
 Ion Ratio Lower Upper  
 146 100  
 111 43.3 19.3 57.8  
 148 63.9 32.1 96.3



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 171.678 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.01 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion: 75 Resp: 149210  
 Ion Ratio Lower Upper  
 75 100  
 155 78.9 81.0 121.6#  
 157 102.1 103.2 154.8#

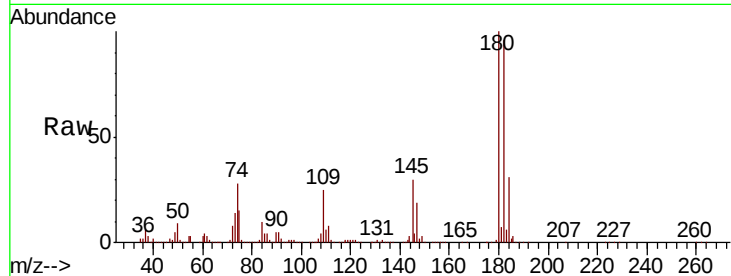




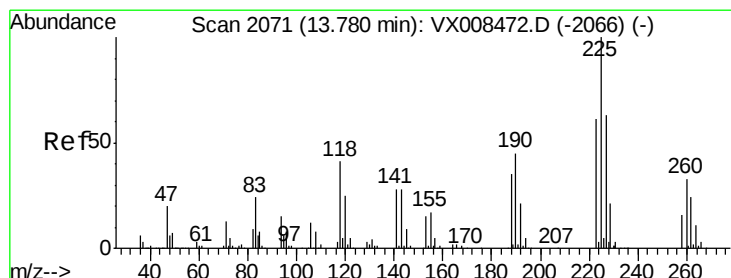
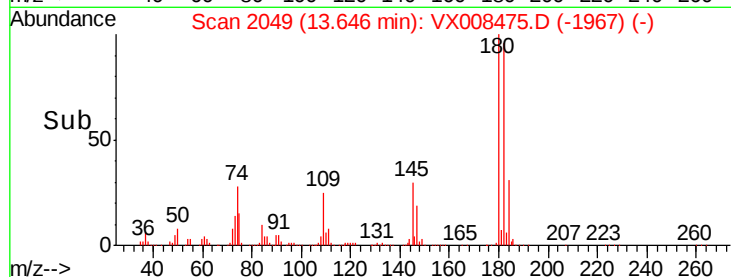
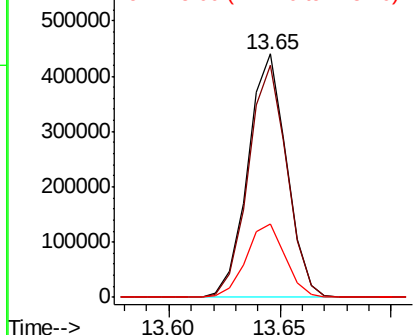
#89  
 1,2,4-Trichlorobenzene  
 Concen: 142.665 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion:180 Resp: 532422  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 75.6 113.4  
 145 30.6 23.0 34.6

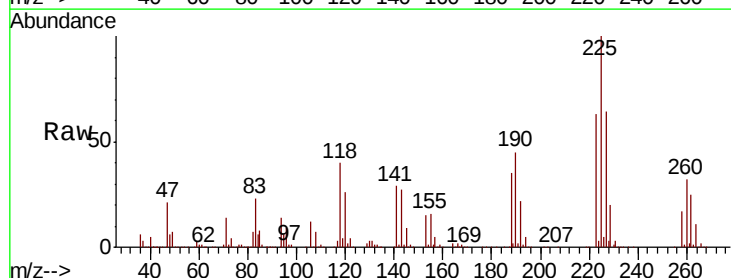


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

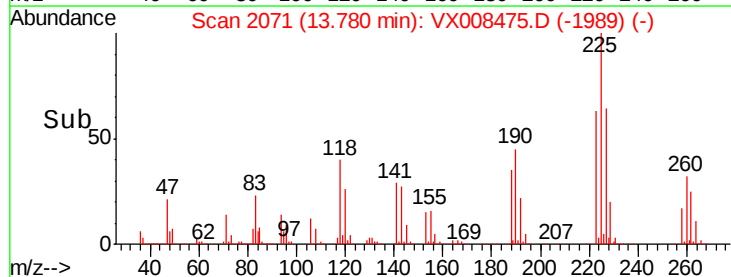
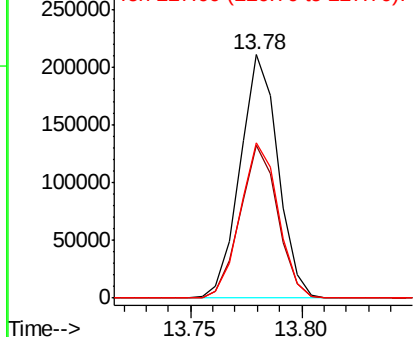


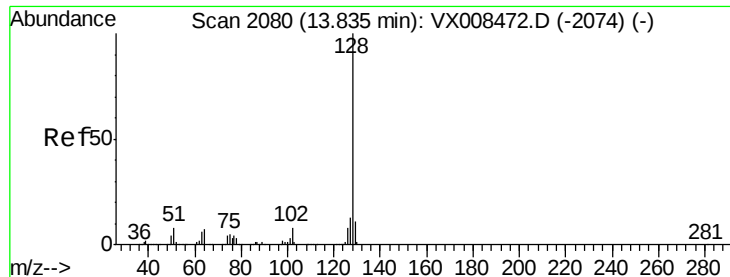
#90  
 Hexachlorobutadiene  
 Concen: 133.264 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX008475.D  
 Acq: 27 Mar 2019 11:40

Tgt Ion:225 Resp: 250363  
 Ion Ratio Lower Upper  
 225 100  
 223 62.6 0.0 123.8  
 227 64.2 0.0 124.4



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V

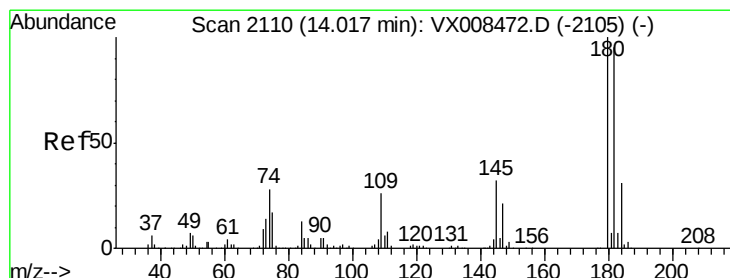
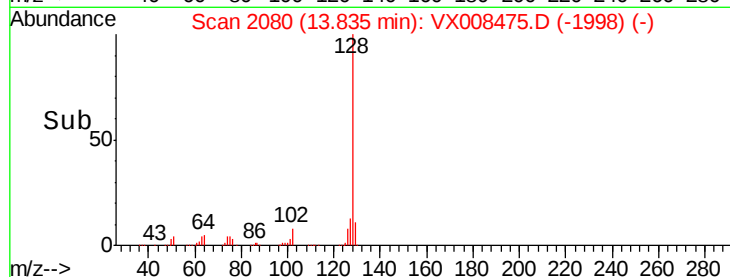
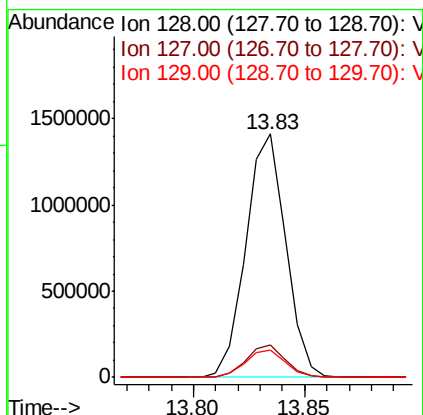
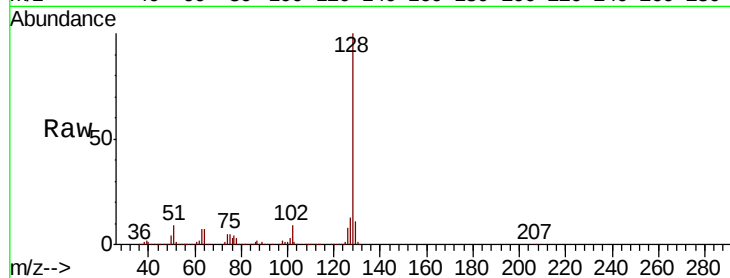




#91  
Naphthalene  
Concen: 157.536 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:128 Resp: 1765776  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.5 15.7  
129 11.0 8.9 13.3



#92  
1,2,3-Trichlorobenzene  
Concen: 138.482 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: VX008475.D  
Acq: 27 Mar 2019 11:40

Tgt Ion:180 Resp: 522471  
Ion Ratio Lower Upper  
180 100  
182 95.4 0.0 193.0  
145 32.4 0.0 63.0

