

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX011620\  
 Data File : VX014629.D  
 Acq On : 16 Jan 2020 10:46  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 17 05:32:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 468489   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 694974   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 632657   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 324331   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 236236   | 45.17 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.34% |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 194210   | 46.16 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.32% |      |
| 50) Toluene-d8              | 8.71   | 98  | 760019   | 46.55 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.10% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 270172   | 45.08 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.16% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 285141  | 49.028  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 291444  | 48.803  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.41 | 62  | 336146  | 50.514  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 203714  | 46.183  | ug/l | 96     |
| 6) Chloroethane               | 1.72 | 64  | 183840  | 50.717  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 365651  | 48.439  | ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 158508  | 46.026  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 223634  | 48.696  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 302699  | 55.045  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59  | 241670  | 221.309 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 213689  | 46.183  | ug/l | 97     |
| 13) Acrolein                  | 2.28 | 56  | 209872  | 239.781 | ug/l | 98     |
| 14) Allyl chloride            | 2.72 | 41  | 391402  | 48.181  | ug/l | 99     |
| 15) Acrylonitrile             | 3.13 | 53  | 642773  | 243.883 | ug/l | 99     |
| 16) Acetone                   | 2.43 | 43  | 699338  | 266.974 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 576385  | 44.644  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 387812  | 51.593  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 732119  | 49.290  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 251493  | 47.801  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 233862  | 46.296  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.84 | 45  | 811886  | 51.716  | ug/l | 94     |
| 23) Vinyl Acetate             | 3.80 | 43  | 3130262 | 257.540 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 431385  | 50.512  | ug/l | 100    |
| 25) 2-Butanone                | 4.65 | 43  | 963408  | 246.609 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 346632  | 47.913  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 268369  | 47.525  | ug/l | 98     |
| 28) Bromochloromethane        | 5.00 | 49  | 175095  | 48.656  | ug/l | 96     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 576190  | 249.460 | ug/l | 98     |
| 30) Chloroform                | 5.19 | 83  | 421584  | 50.518  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 397923  | 49.779  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 356338  | 49.884  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 321064  | 49.126  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.81 | 43  | 352306  | 49.627  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 303135  | 50.403  | ug/l | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX011620\  
 Data File : VX014629.D  
 Acq On : 16 Jan 2020 10:46  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 17 05:32:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 408912   | 49.801  | ug/l  | 98       |
| 40) Benzene                    | 6.13  | 78   | 984107   | 50.734  | ug/l  | 98       |
| 41) Methacrylonitrile          | 5.02  | 41   | 197404   | 52.144  | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 339627   | 50.076  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 578244   | 50.423  | ug/l  | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 271548   | 48.713  | ug/l  | 97       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 255489   | 51.662  | ug/l  | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 163353   | 47.325  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 328631   | 52.324  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 291671   | 53.103  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 106735   | 917.115 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 1796754  | 257.111 | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 615569   | 49.574  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 363190   | 49.669  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 406937   | 51.518  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 250875   | 50.301  | ug/l  | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 392612   | 51.382  | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 421056   | 50.492  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 700081   | 269.287 | ug/l  | 98       |
| 59) 2-Hexanone                 | 9.48  | 43   | 1405616  | 254.208 | ug/l  | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 262974   | 52.458  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 262448   | 49.676  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 292162   | 46.078  | ug/l  | 99       |
| 65) Chlorobenzene              | 10.13 | 112  | 663162   | 48.302  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 246765   | 50.363  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1179246  | 50.392  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 905759   | 100.326 | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 434877   | 50.485  | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 757539   | 50.959  | ug/l  | 99       |
| 71) Bromoform                  | 10.85 | 173  | 198219   | 49.446  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 1166285  | 51.209  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 504195   | 50.178  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 371636   | 50.882  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 435146   | 64.846  | ug/l  | 82       |
| 77) Bromobenzene               | 11.25 | 156  | 303119   | 47.992  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 1338438  | 51.315  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 779498   | 50.144  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 973877   | 51.504  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 125844   | 49.580  | ug/l  | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 911315   | 49.943  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 910063   | 50.938  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 977879   | 51.180  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1142608  | 51.445  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1059869  | 51.425  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 542932   | 47.898  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 543364   | 51.037  | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 940206   | 49.893  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 184922   | 51.080  | ug/l  | 96       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 538432   | 48.483  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 79192    | 48.202  | ug/l  | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX011620\  
Data File : VX014629.D  
Acq On : 16 Jan 2020 10:46  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

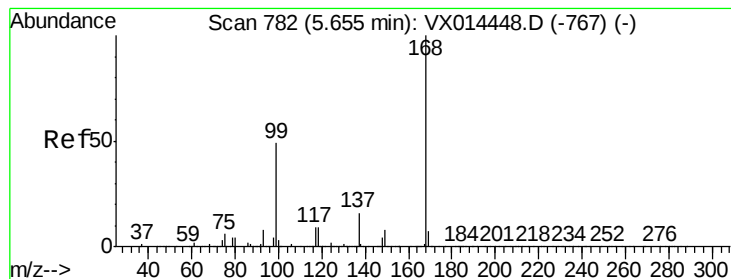
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Quant Time: Jan 17 05:32:31 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 07 15:54:41 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 371842   | 47.702 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 186377   | 51.054 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1103482  | 45.613 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 370969   | 48.488 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

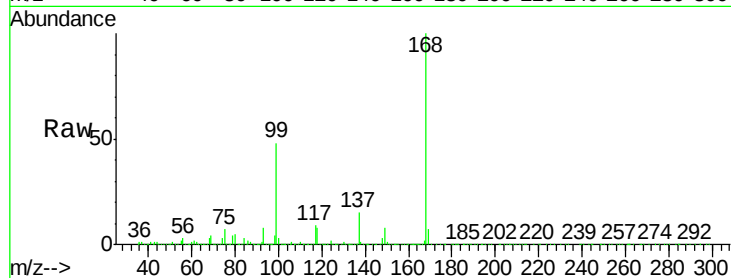
VSTDCCC050

Tgt Ion:168 Resp: 468489

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

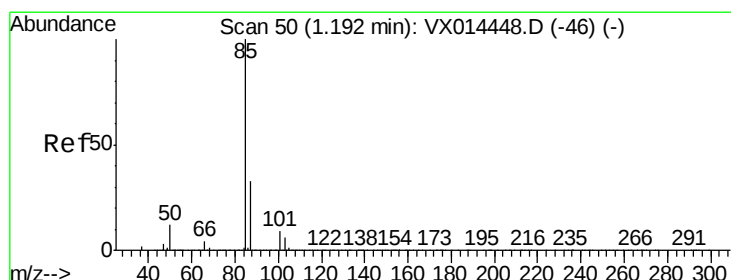
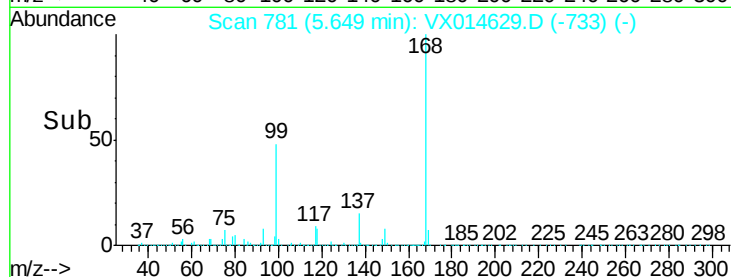
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.028 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014629.D

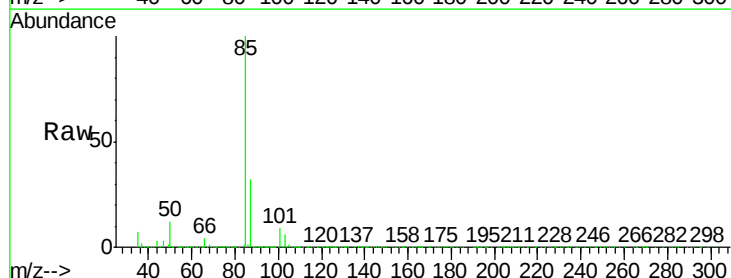
Acq: 16 Jan 2020 10:46

Tgt Ion: 85 Resp: 285141

Ion Ratio Lower Upper

85 100

87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

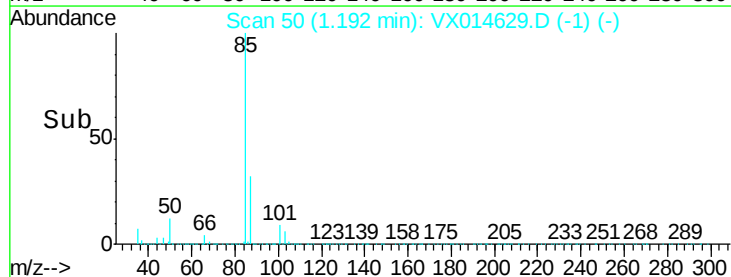
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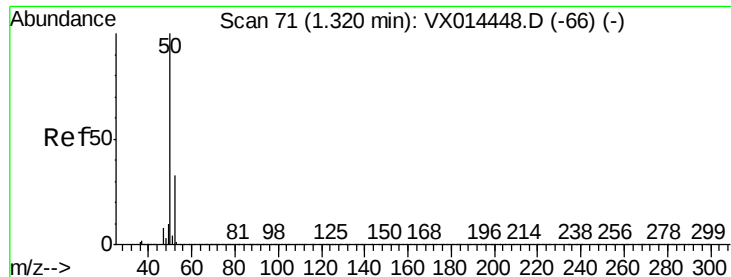
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Time-->





#3

Chloromethane

Concen: 48.803 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

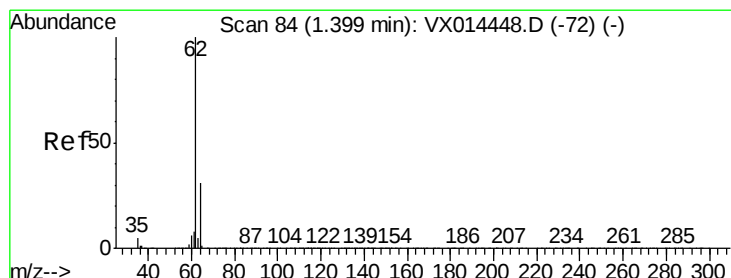
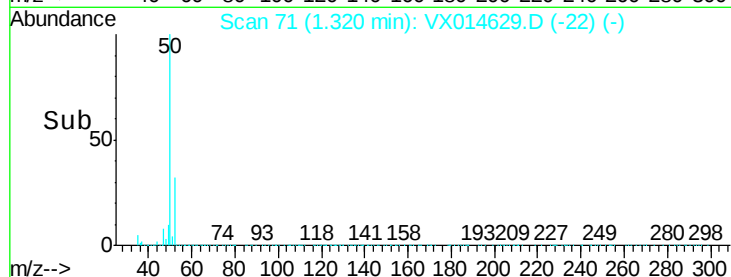
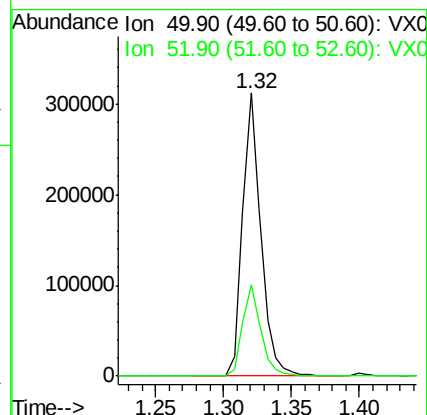
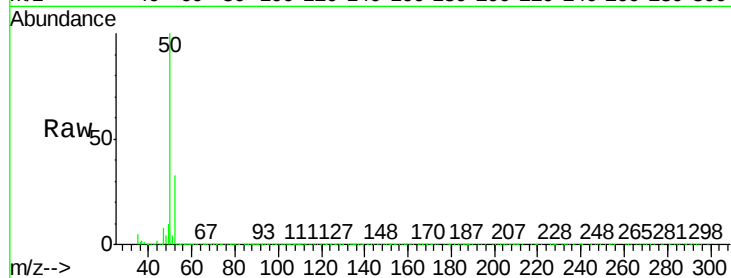
VSTDCCC050

Tgt Ion: 50 Resp: 291444

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 50.514 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX014629.D

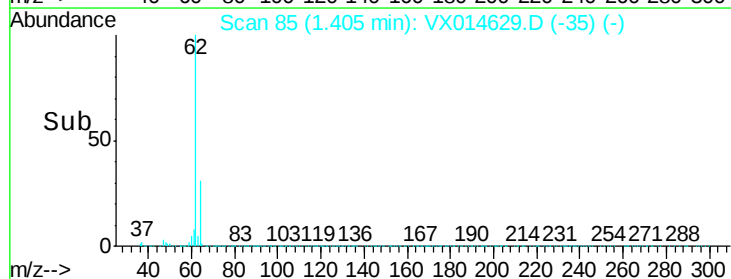
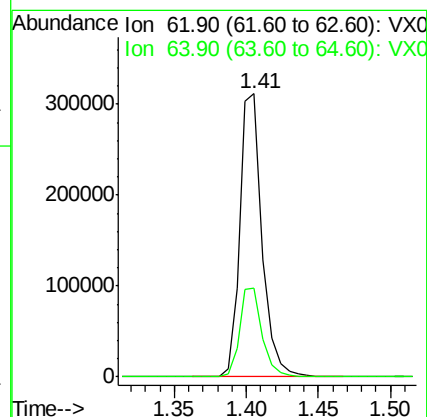
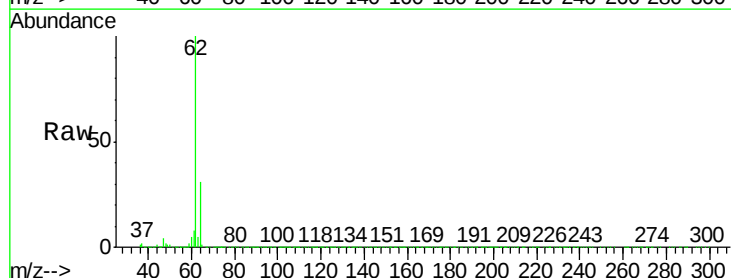
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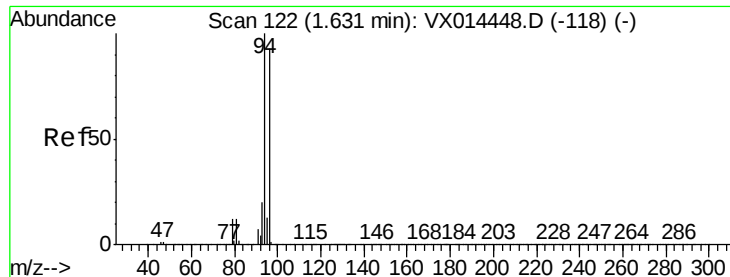
Tgt Ion: 62 Resp: 336146

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0





#5

Bromomethane

Concen: 46.183 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

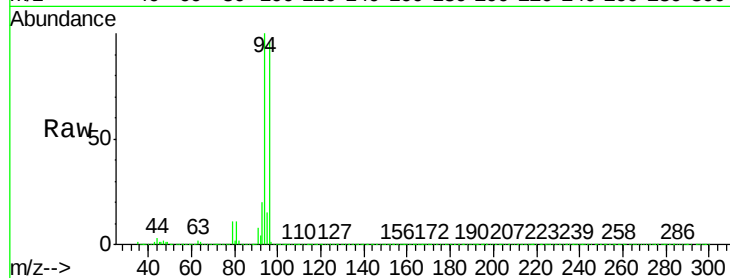
VSTDCCC050

Tgt Ion: 94 Resp: 203714

Ion Ratio Lower Upper

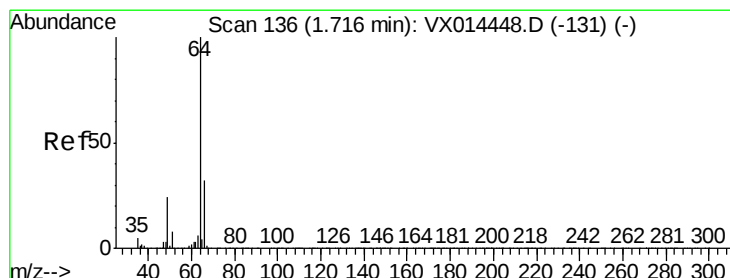
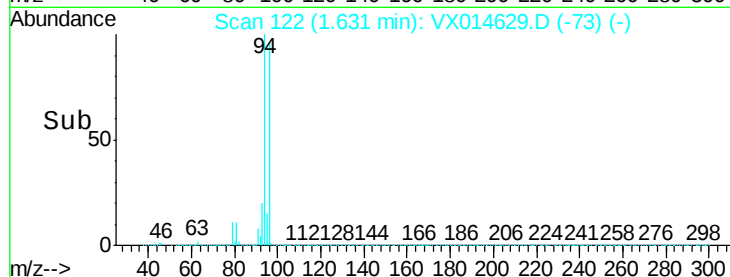
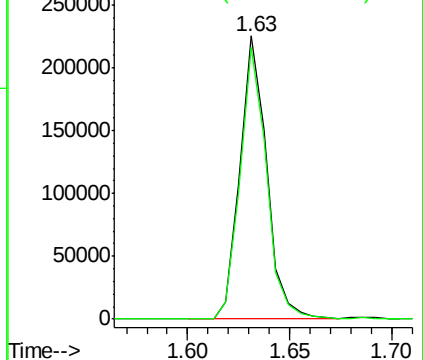
94 100

96 96.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.717 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014629.D

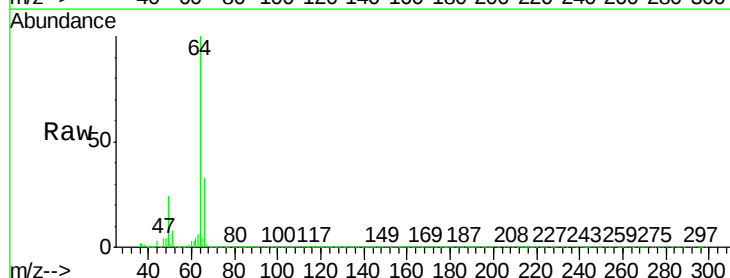
Acq: 16 Jan 2020 10:46

Tgt Ion: 64 Resp: 183840

Ion Ratio Lower Upper

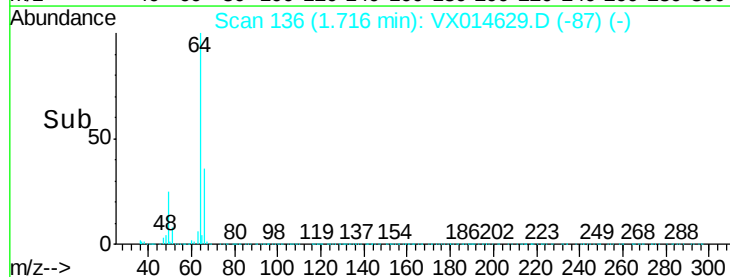
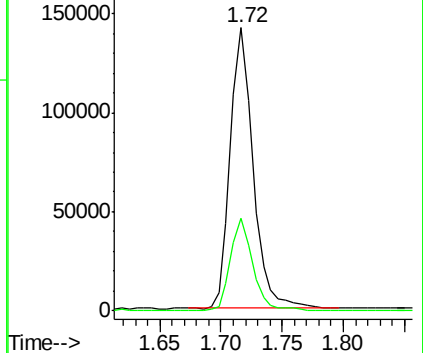
64 100

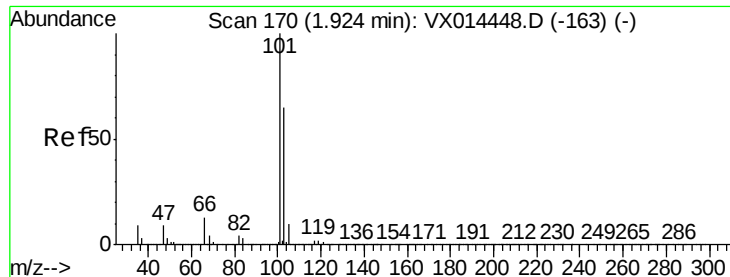
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



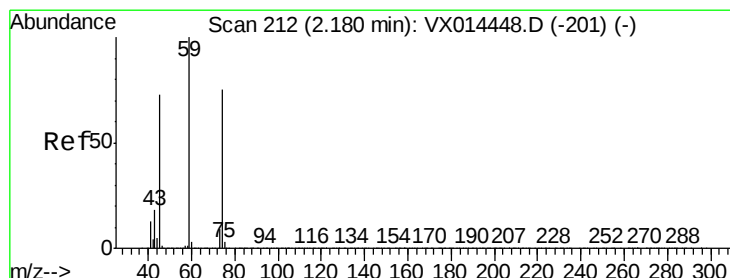
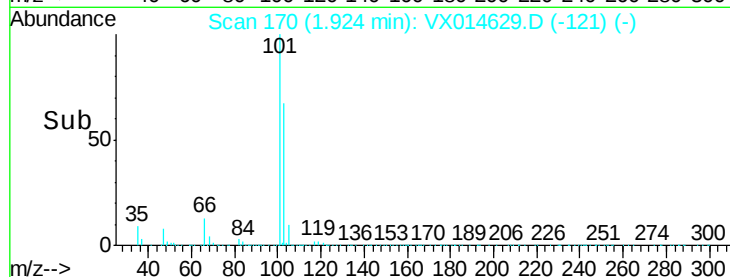
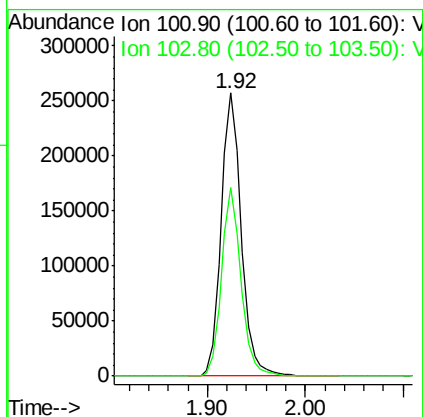
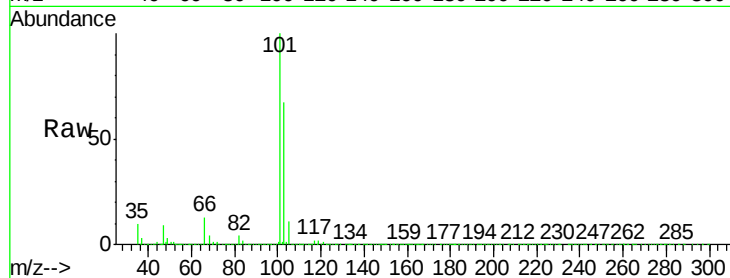


#7

Trichlorofluoromethane  
Concen: 48.439 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

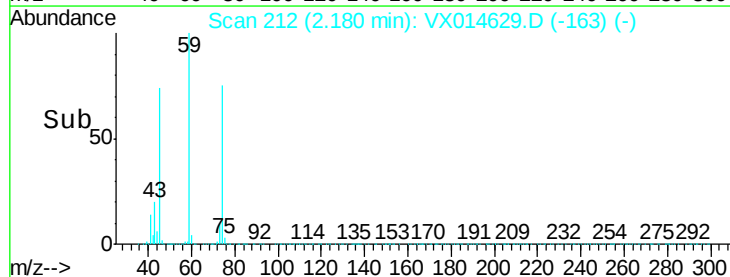
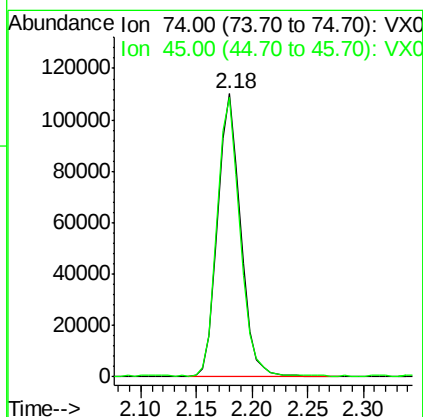
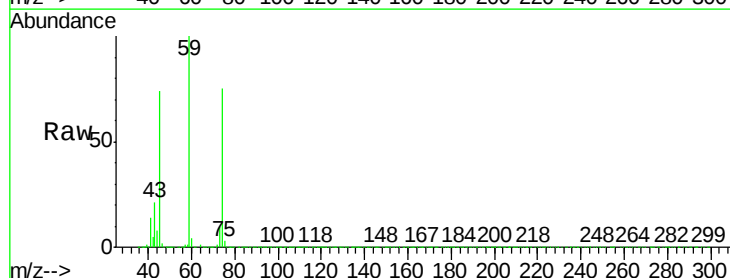
Tgt Ion:101 Resp: 365651  
Ion Ratio Lower Upper  
101 100  
103 66.5 52.2 78.4

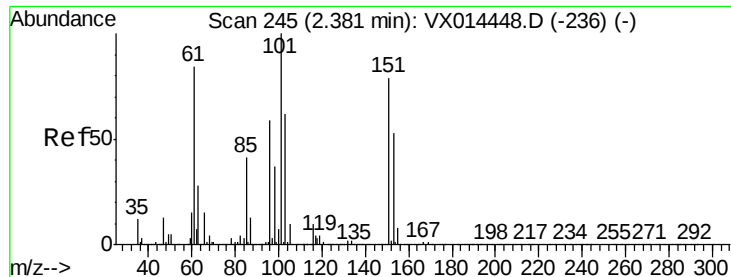


#8

Diethyl Ether  
Concen: 46.026 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 74 Resp: 158508  
Ion Ratio Lower Upper  
74 100  
45 97.9 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.696 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

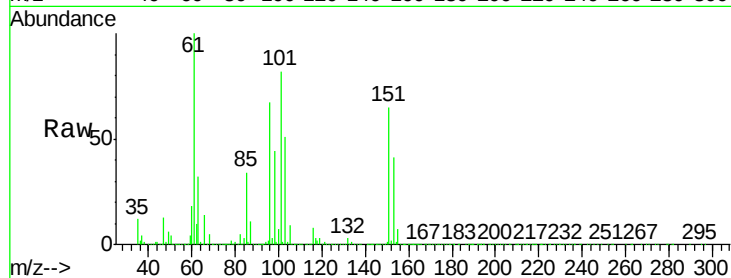
Tgt Ion:101 Resp: 223634

Ion Ratio Lower Upper

101 100

85 41.8 33.8 50.8

151 80.8 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

150000

100000

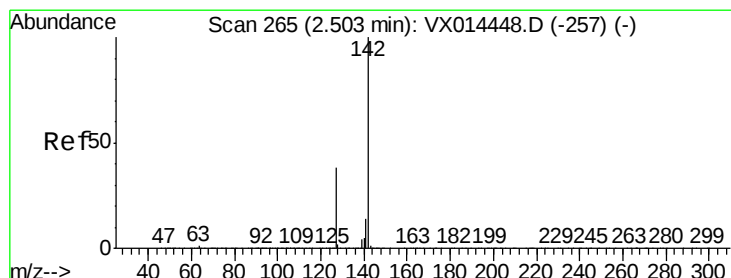
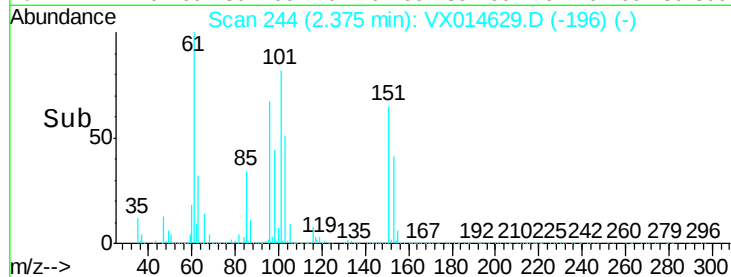
50000

0

2.37

2.30 2.40 2.50

Time-->



#10

Methyl Iodide

Concen: 55.045 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

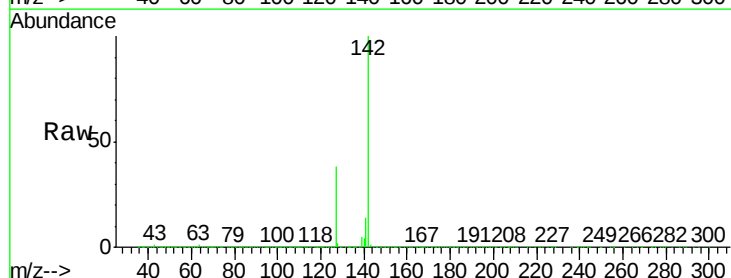
Tgt Ion:142 Resp: 302699

Ion Ratio Lower Upper

142 100

127 39.3 31.2 46.8

141 14.4 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

200000

150000

100000

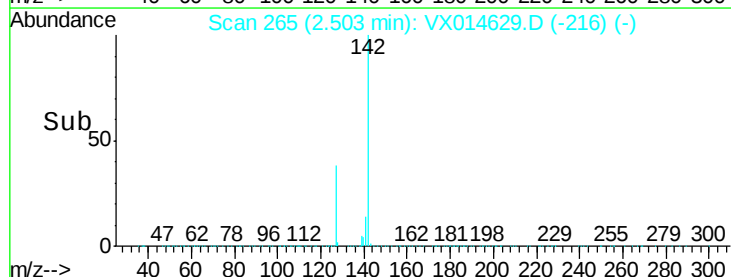
50000

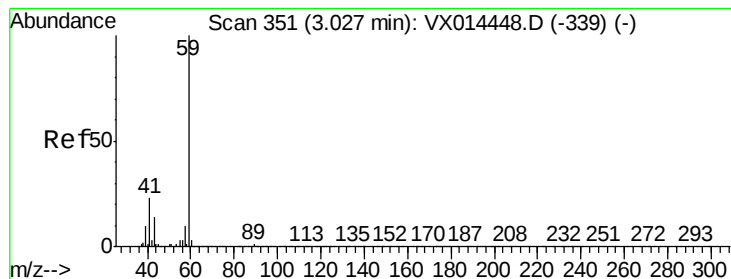
0

2.50

2.40 2.50 2.60

Time-->



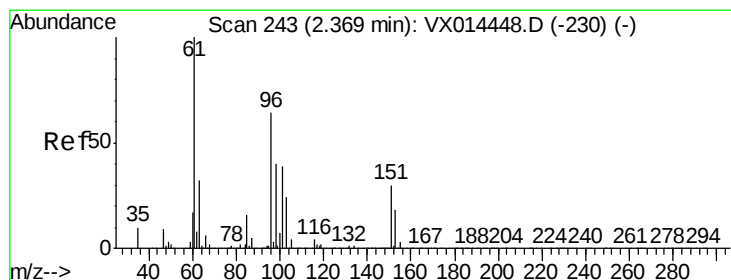
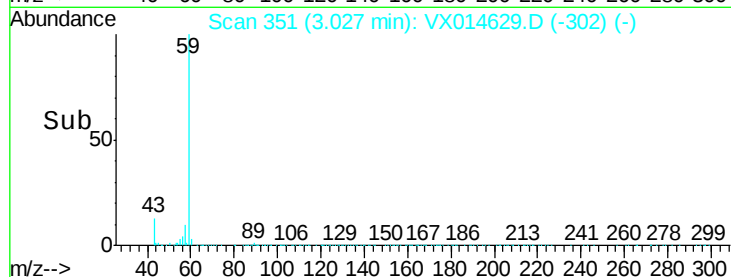
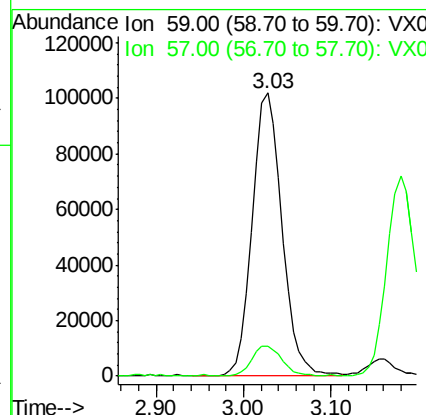
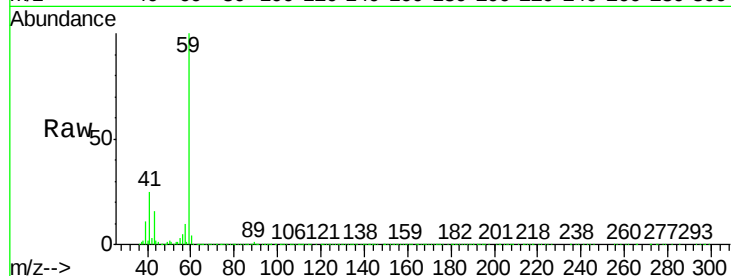


#11

Tert butyl alcohol  
Concen: 221.309 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

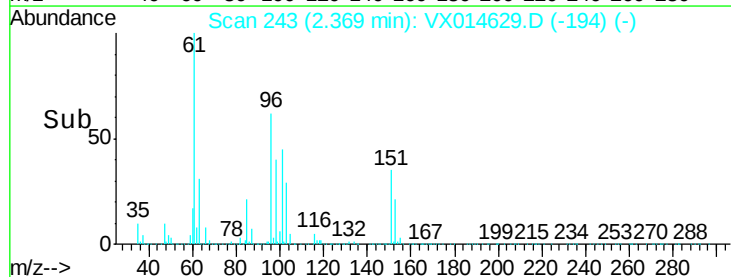
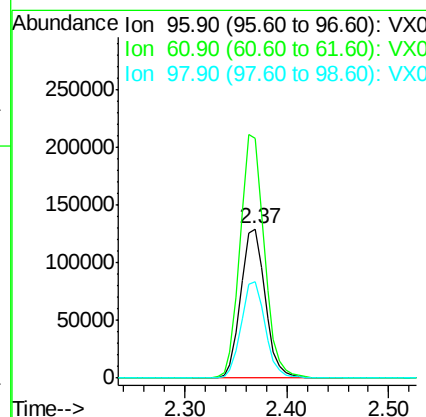
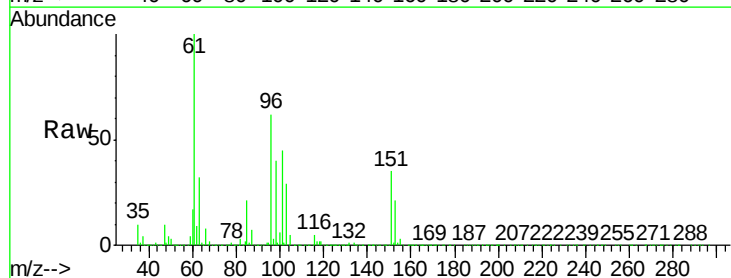
Tgt Ion: 59 Resp: 241670  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.5 12.7

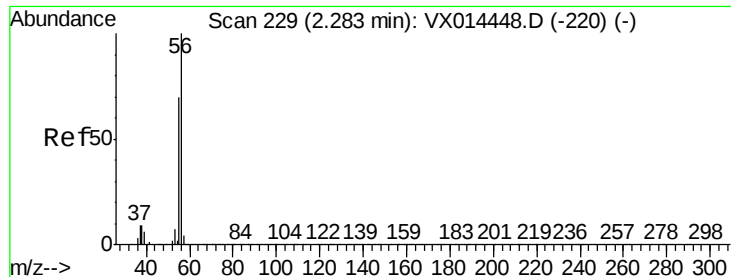


#12

1,1-Dichloroethene  
Concen: 46.183 ug/l  
RT: 2.37 min Scan# 243  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 96 Resp: 213689  
Ion Ratio Lower Upper  
96 100  
61 161.0 125.0 187.6  
98 64.4 50.2 75.2

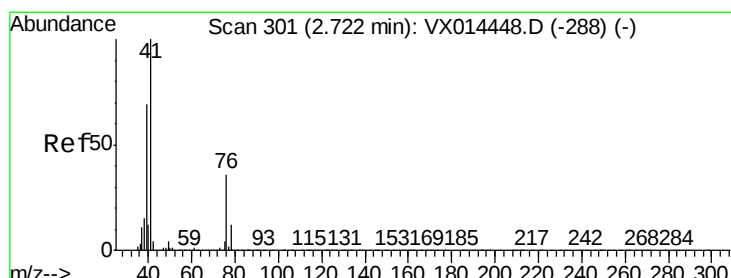
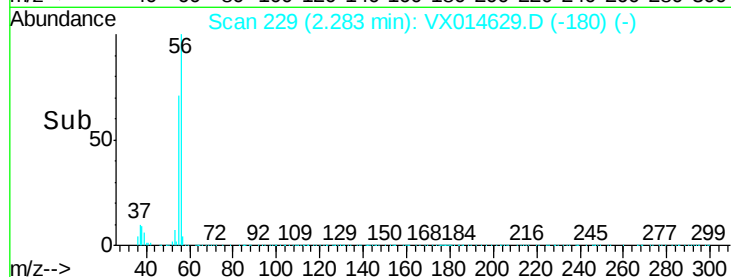
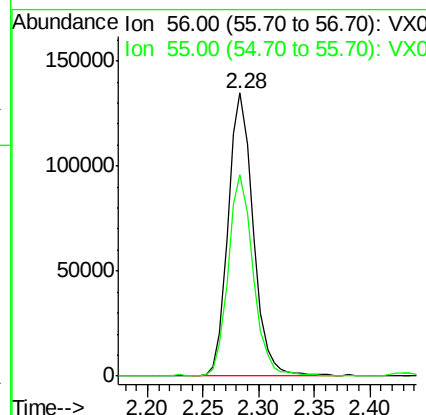
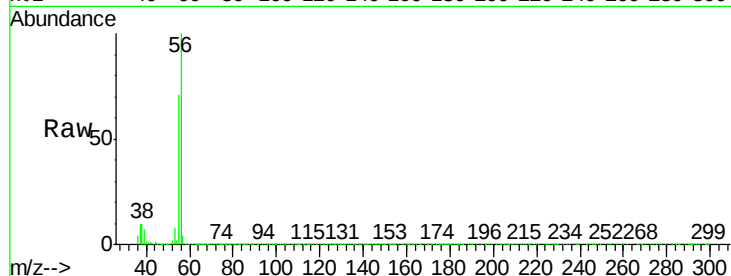




#13  
Acrolein  
Concen: 239.781 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

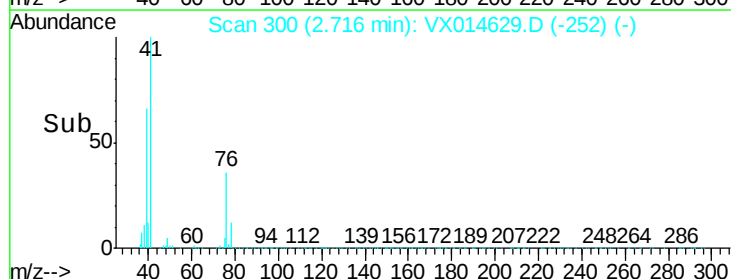
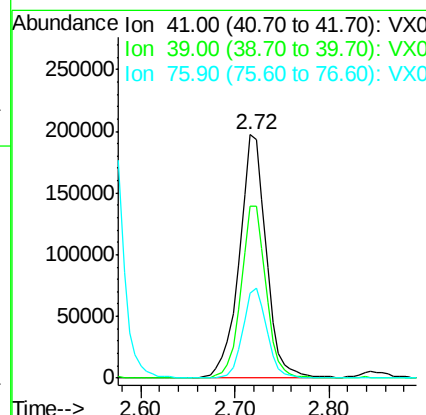
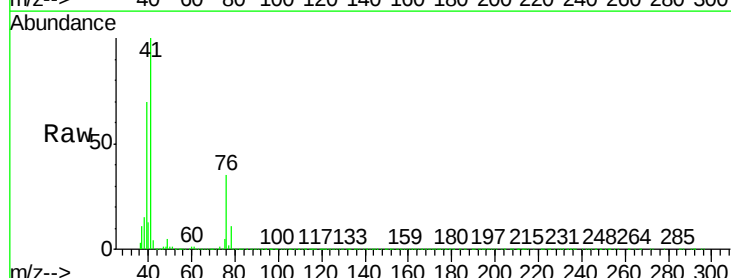
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

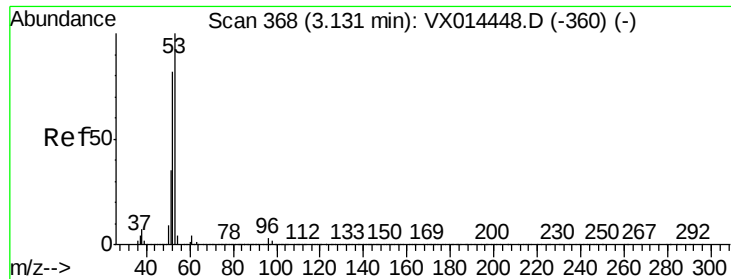
Tgt Ion: 56 Resp: 209872  
Ion Ratio Lower Upper  
56 100  
55 70.7 55.0 82.6



#14  
Allyl chloride  
Concen: 48.181 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 41 Resp: 391402  
Ion Ratio Lower Upper  
41 100  
39 65.2 51.7 77.5  
76 32.8 26.8 40.2





#15

Acrylonitrile

Concen: 243.883 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

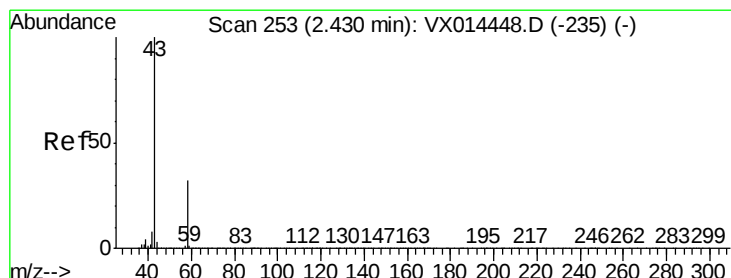
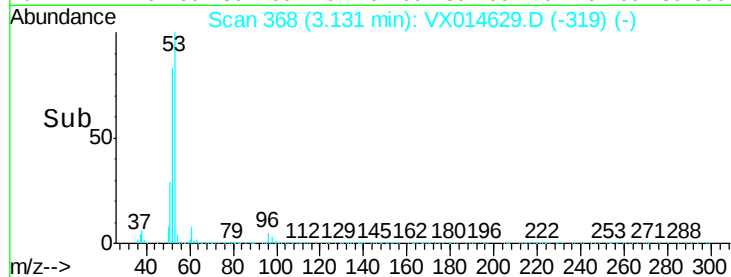
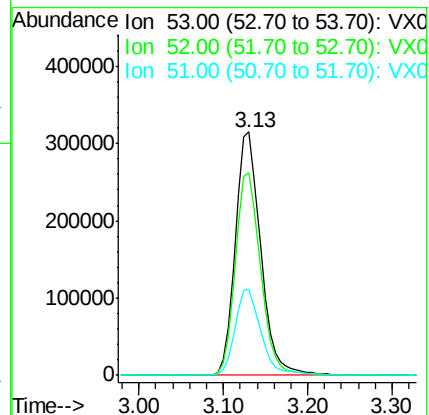
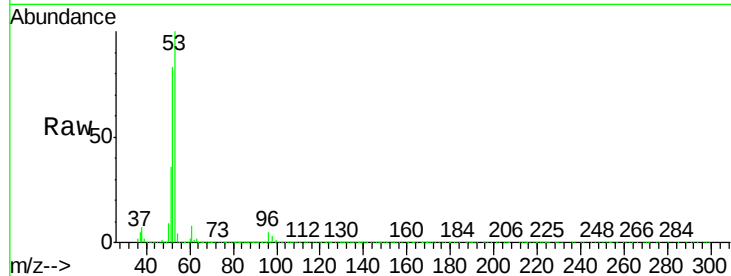
Tgt Ion: 53 Resp: 642773

Ion Ratio Lower Upper

53 100

52 82.8 67.0 100.4

51 36.1 28.5 42.7



#16

Acetone

Concen: 266.974 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014629.D

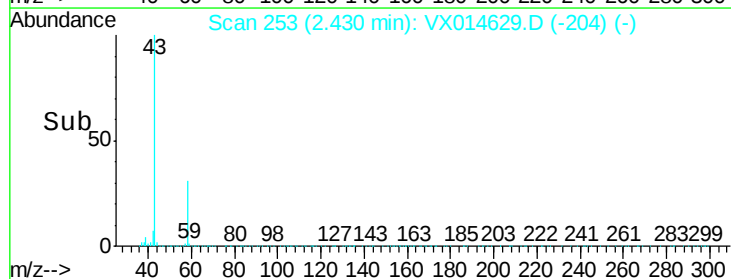
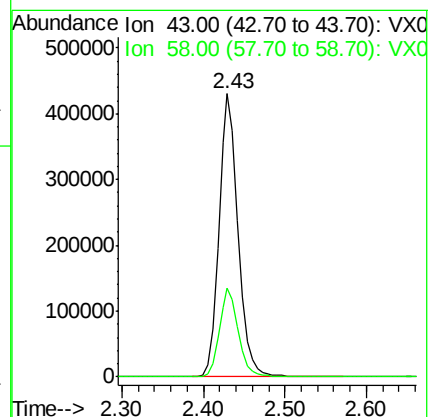
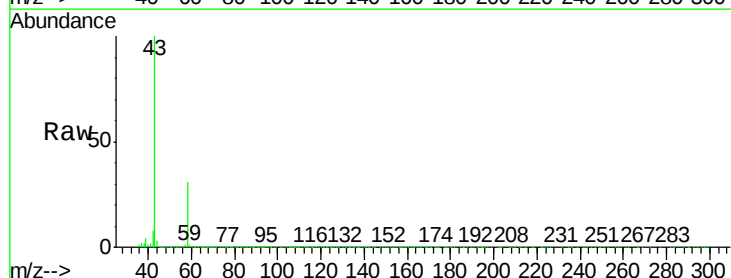
Acq: 16 Jan 2020 10:46

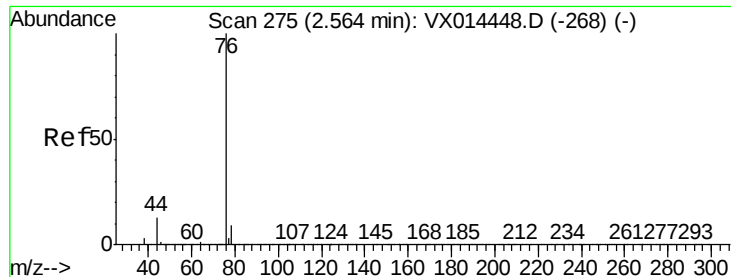
Tgt Ion: 43 Resp: 699338

Ion Ratio Lower Upper

43 100

58 31.3 25.4 38.0

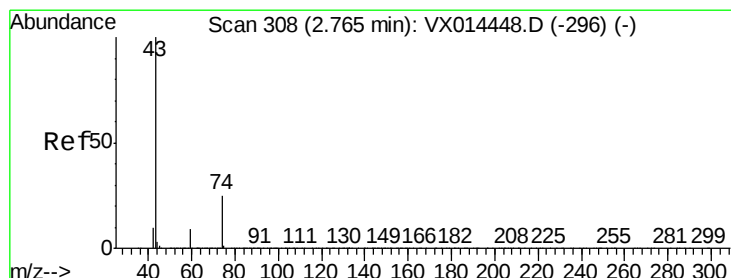
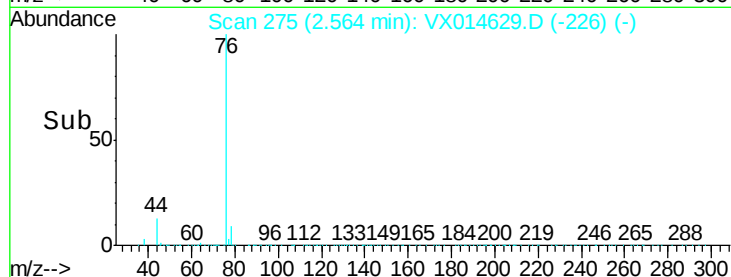
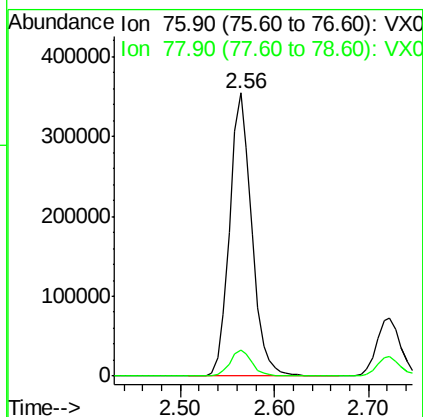
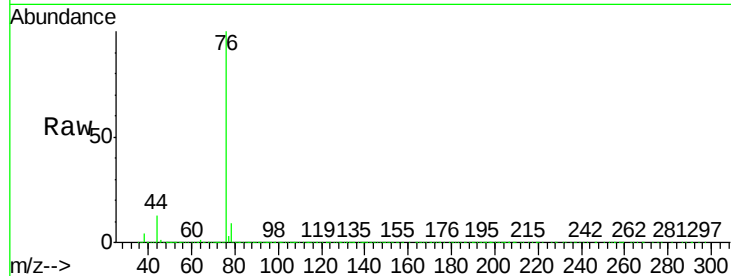




#17  
Carbon Disulfide  
Concen: 44.644 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

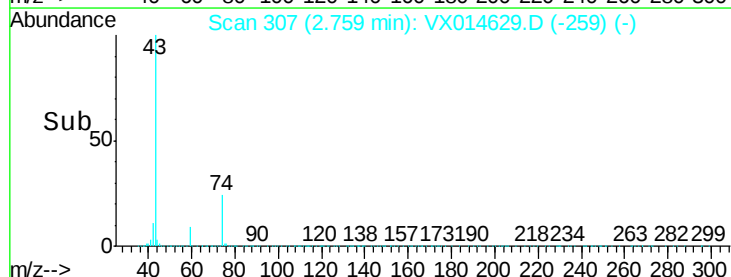
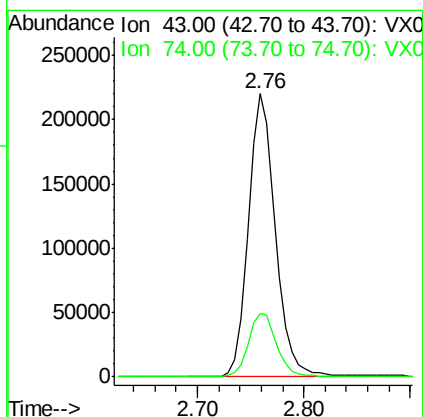
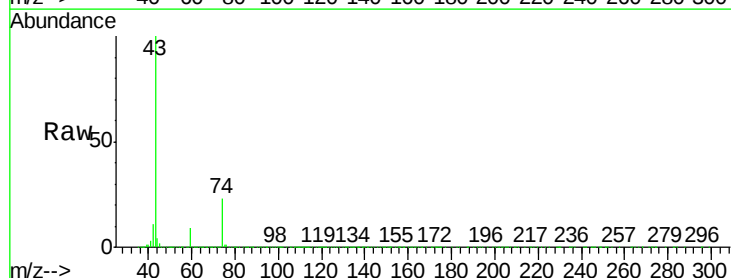
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

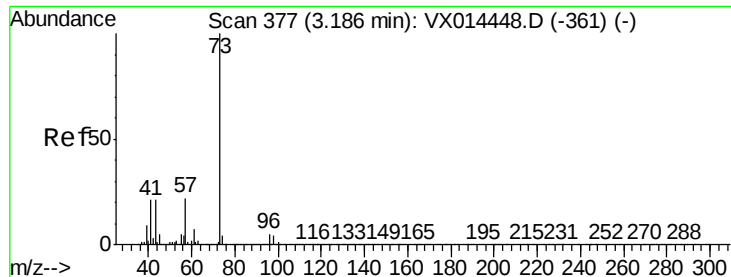
Tgt Ion: 76 Resp: 576385  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.2



#18  
Methyl Acetate  
Concen: 51.593 ug/l  
RT: 2.76 min Scan# 307  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 43 Resp: 387812  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.4 29.2

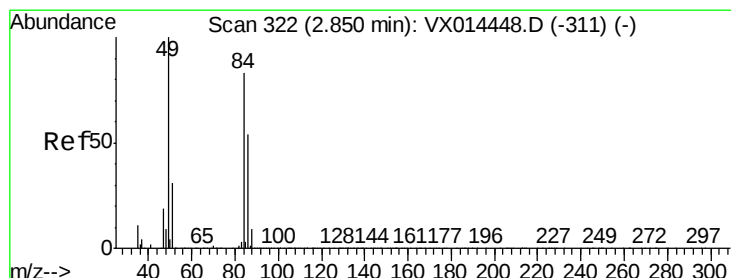
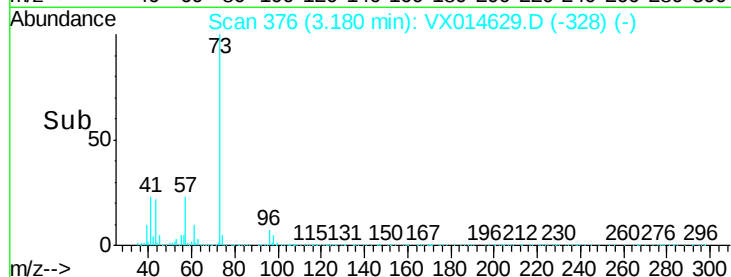
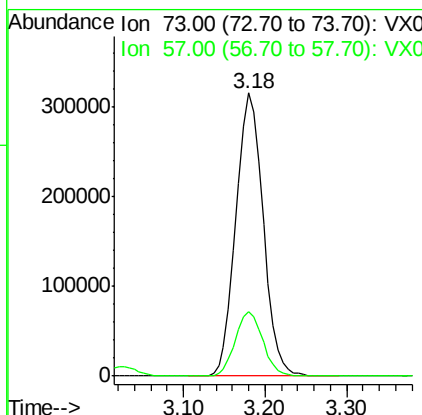
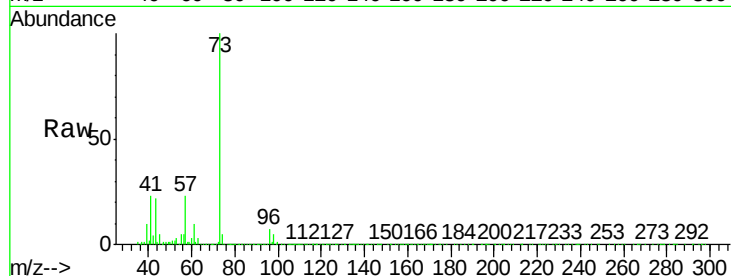




#19  
Methyl tert-butyl Ether  
Concen: 49.290 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

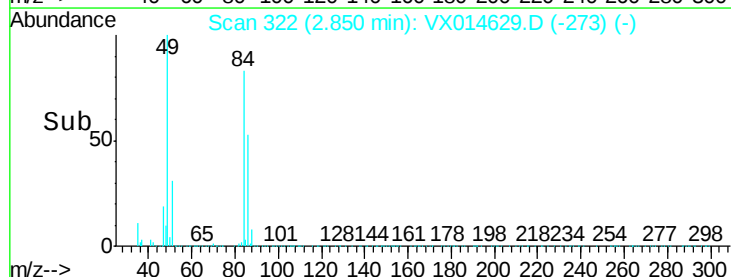
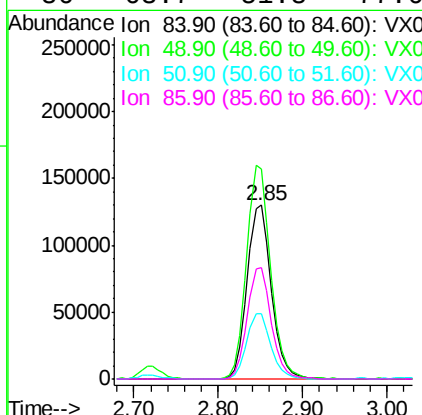
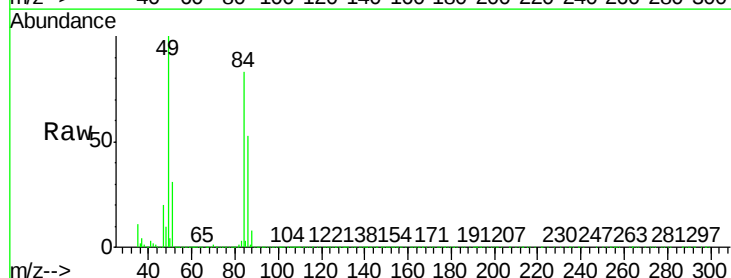
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

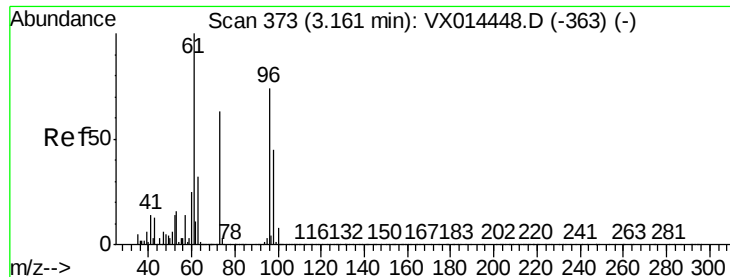
Tgt Ion: 73 Resp: 732119  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.8 26.8



#20  
Methylene Chloride  
Concen: 47.801 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 84 Resp: 251493  
Ion Ratio Lower Upper  
84 100  
49 120.9 95.8 143.8  
51 37.7 30.2 45.4  
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.296 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

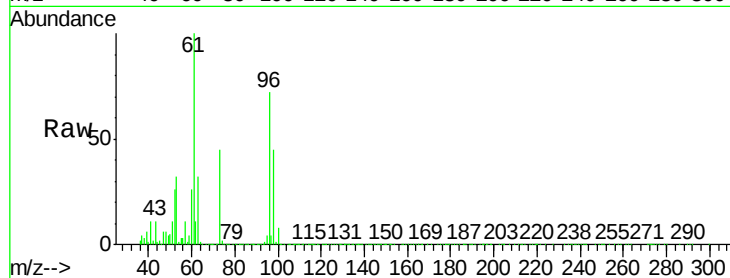
Tgt Ion: 96 Resp: 233862

Ion Ratio Lower Upper

96 100

61 139.0 108.2 162.4

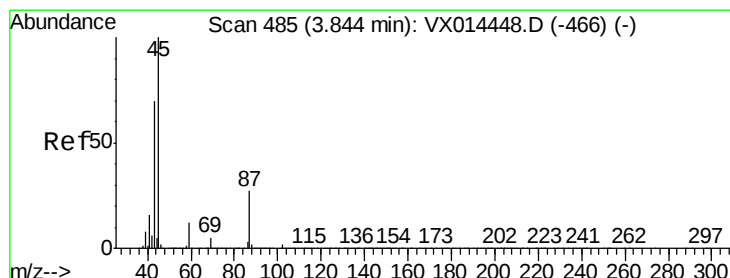
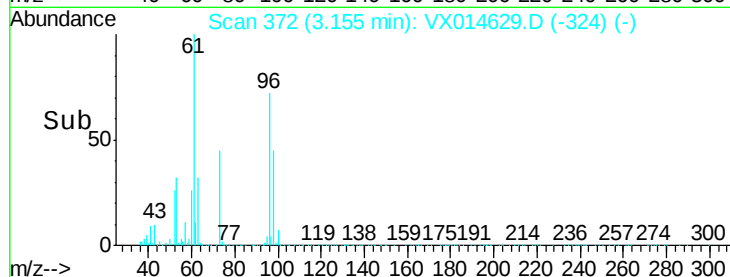
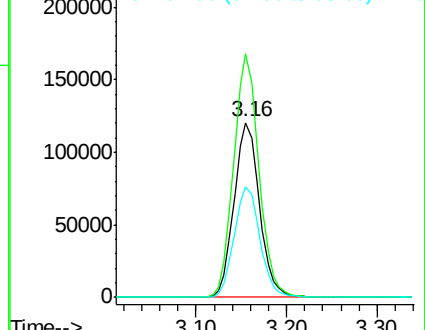
98 62.8 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.716 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Tgt Ion: 45 Resp: 811886

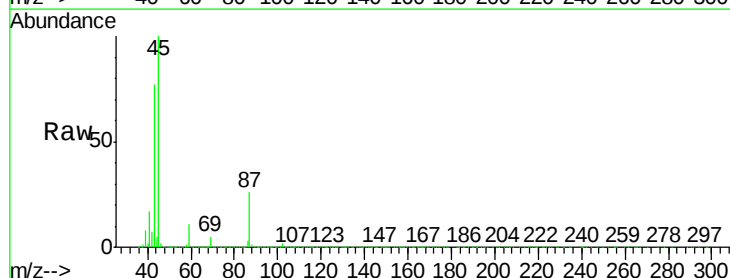
Ion Ratio Lower Upper

45 100

43 77.3 55.8 83.6

87 26.4 21.8 32.8

59 11.4 9.1 13.7

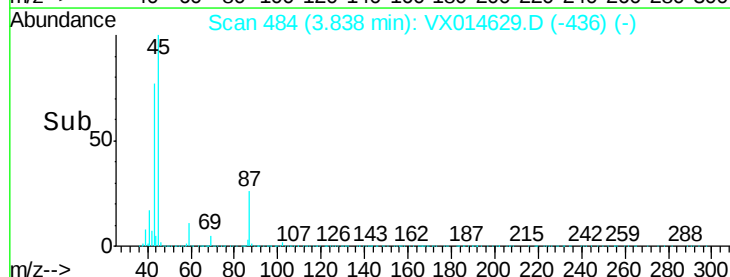
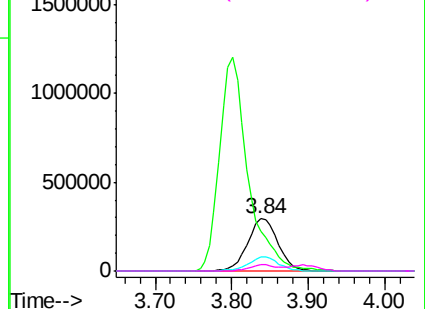


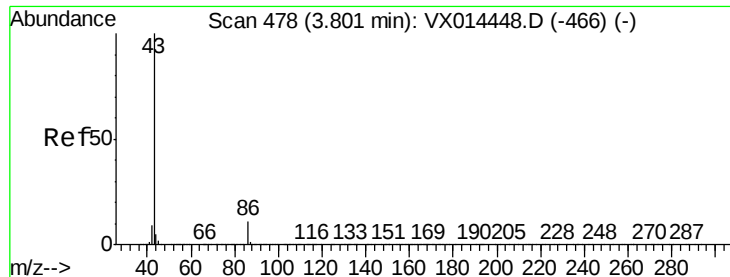
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.540 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

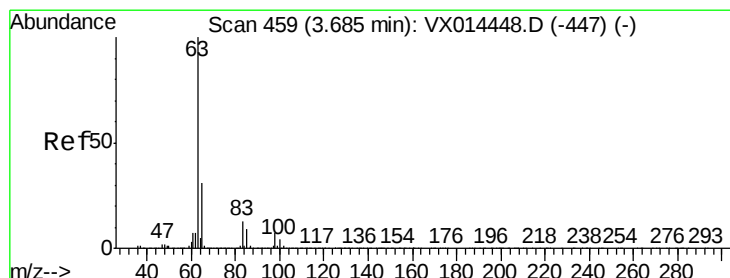
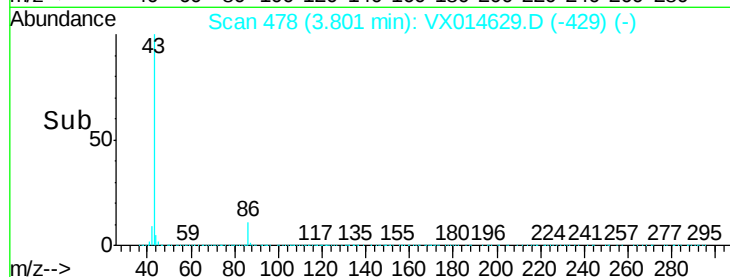
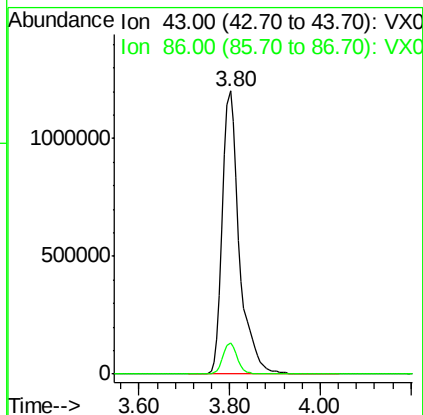
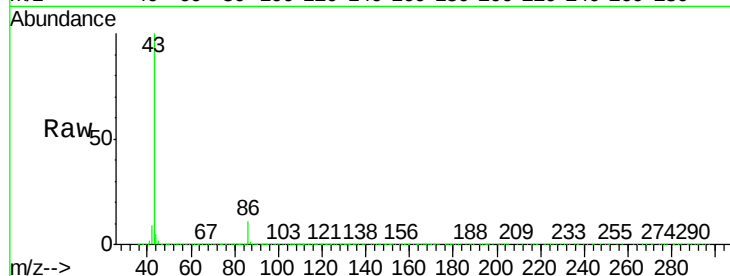
VSTDCCC050

Tgt Ion: 43 Resp: 3130262

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



#24

1,1-Dichloroethane

Concen: 50.512 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

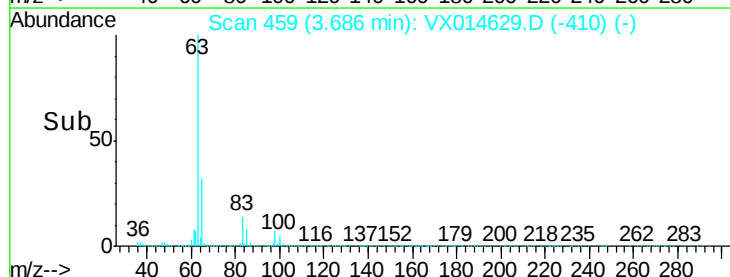
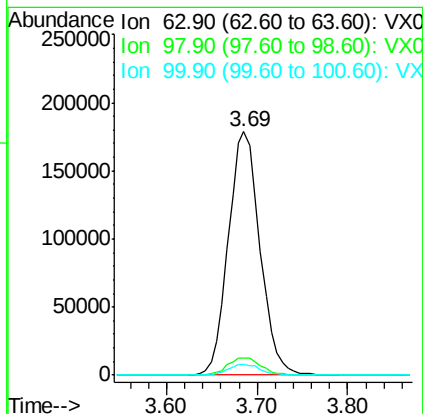
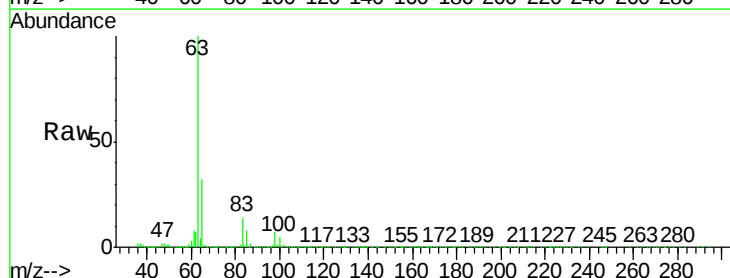
Tgt Ion: 63 Resp: 431385

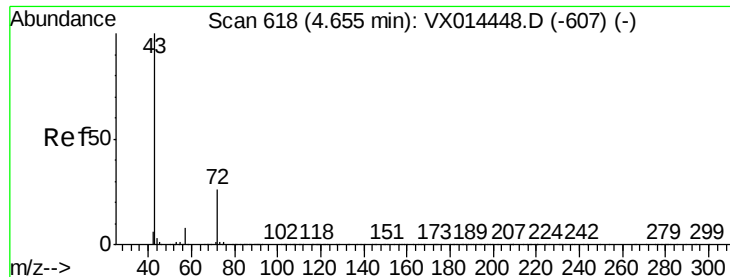
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 246.609 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

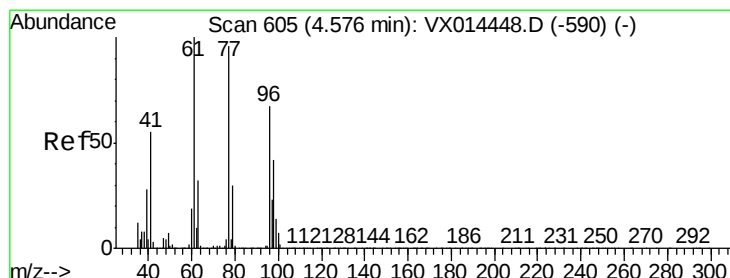
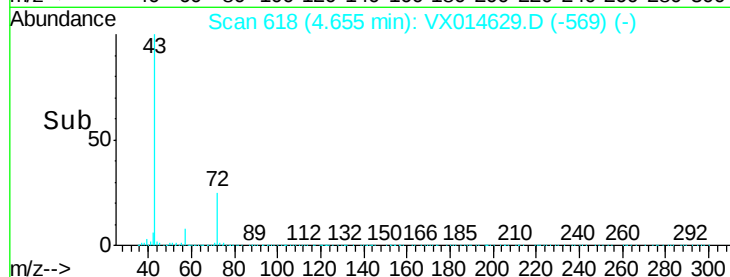
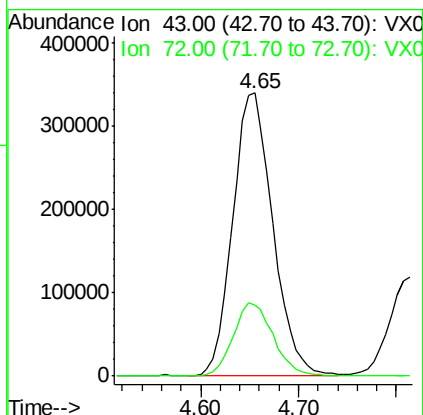
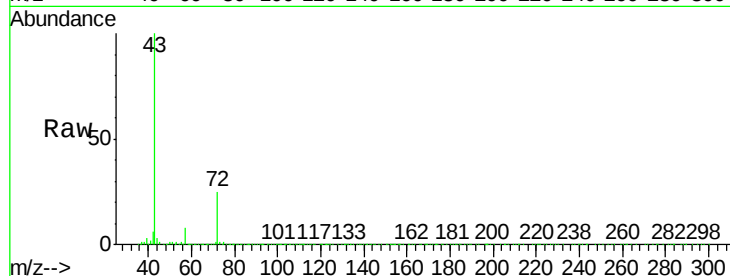
VSTDCCC050

Tgt Ion: 43 Resp: 963408

Ion Ratio Lower Upper

43 100

72 24.7 20.6 31.0



#26

2,2-Dichloropropane

Concen: 47.913 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014629.D

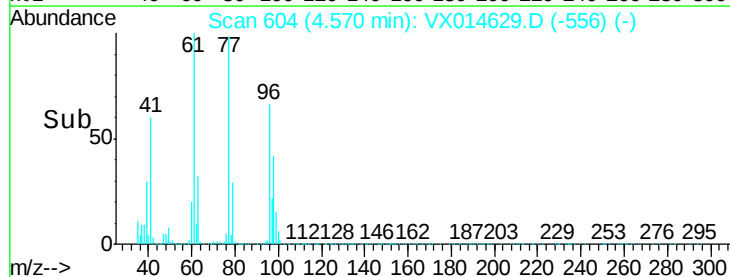
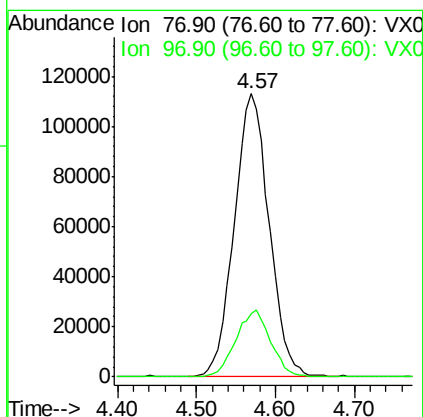
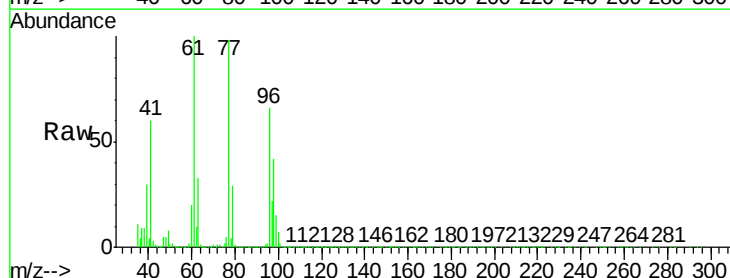
Acq: 16 Jan 2020 10:46

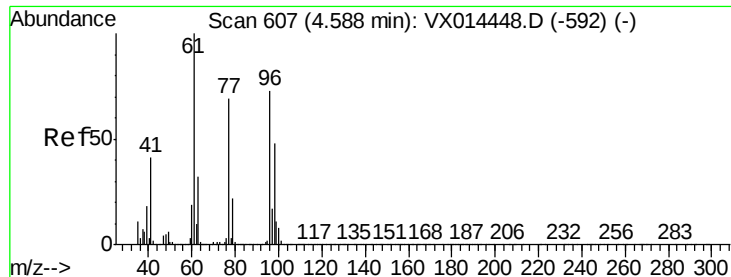
Tgt Ion: 77 Resp: 346632

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1



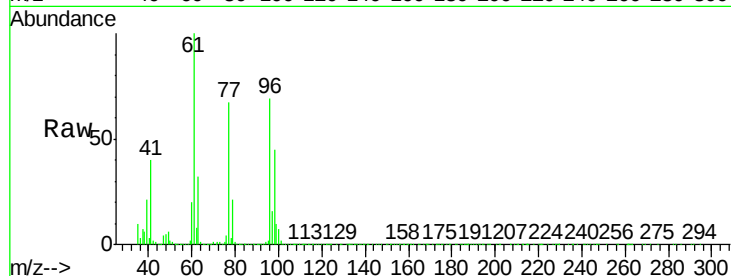


#27

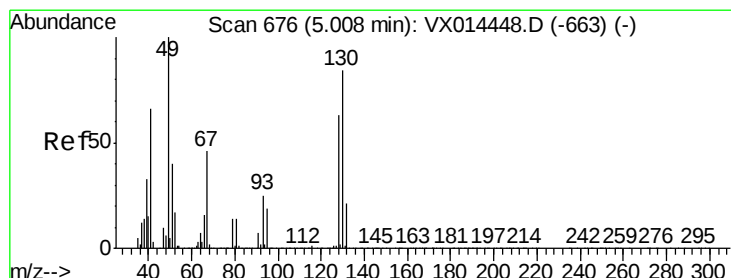
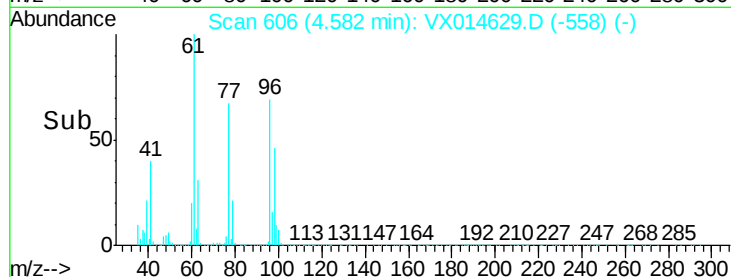
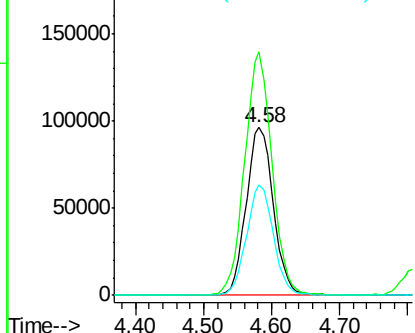
cis-1,2-Dichloroethene  
Concen: 47.525 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.6 | 0.0   | 285.4 |
| 98      | 64.7  | 0.0   | 130.6 |



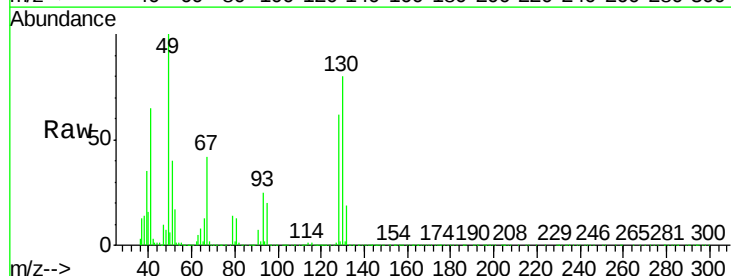
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



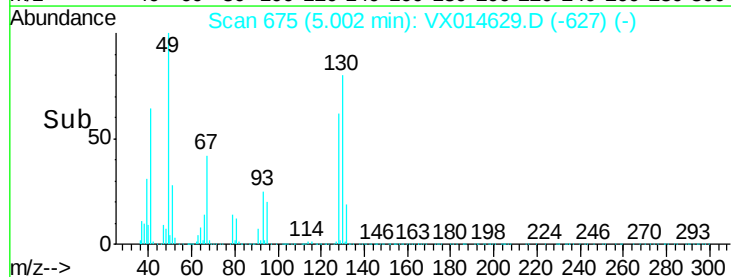
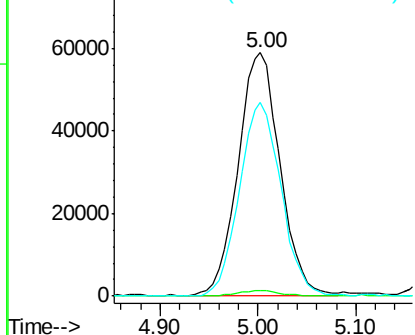
#28

Bromochloromethane  
Concen: 48.656 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 4.4   |
| 130     | 79.6  | 67.0  | 100.4 |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 249.460 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

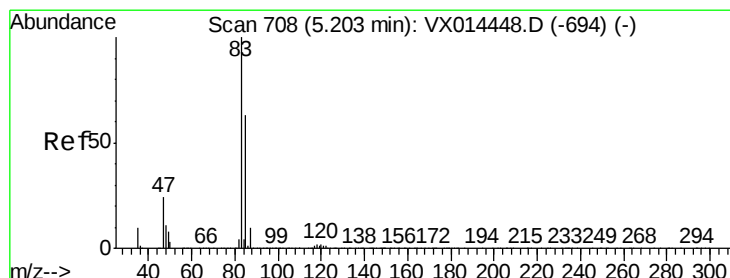
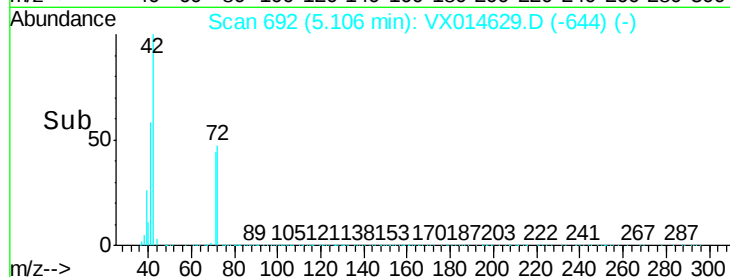
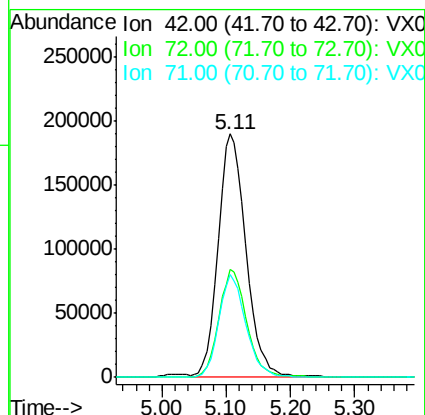
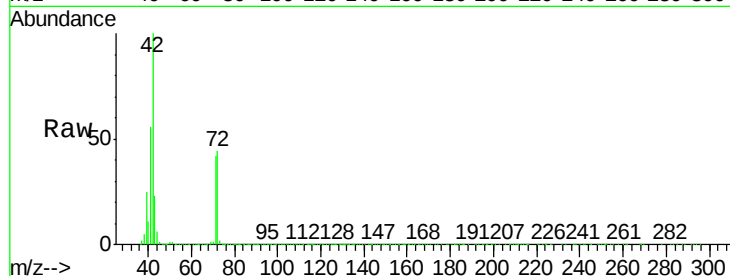
Tgt Ion: 42 Resp: 576190

Ion Ratio Lower Upper

42 100

72 44.5 36.2 54.4

71 40.9 34.1 51.1



#30

Chloroform

Concen: 50.518 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014629.D

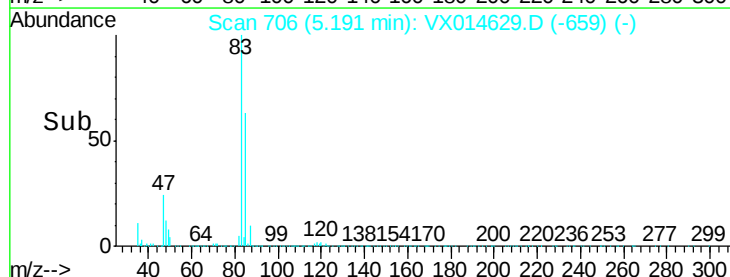
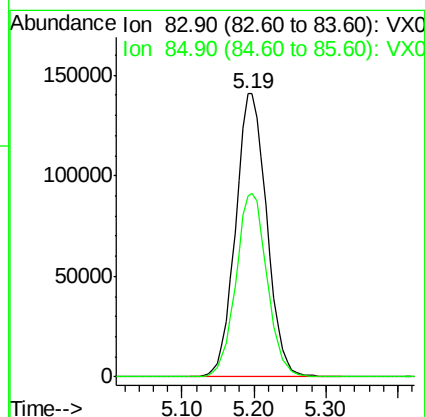
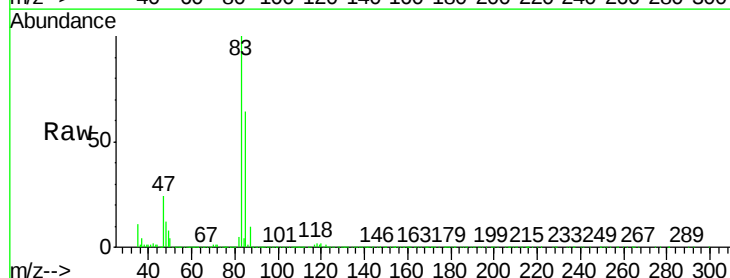
Acq: 16 Jan 2020 10:46

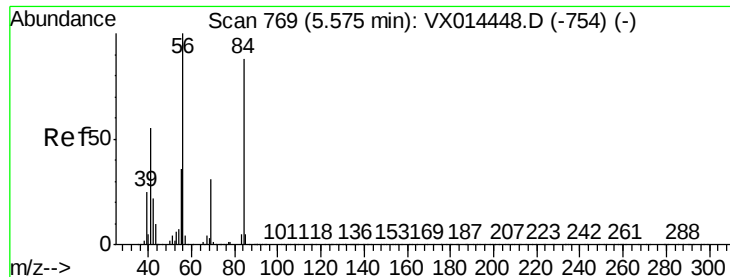
Tgt Ion: 83 Resp: 421584

Ion Ratio Lower Upper

83 100

85 63.7 50.6 75.8

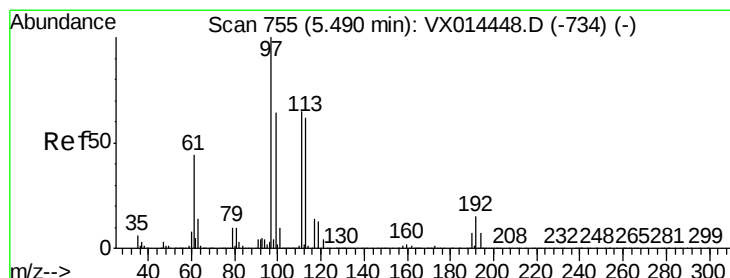
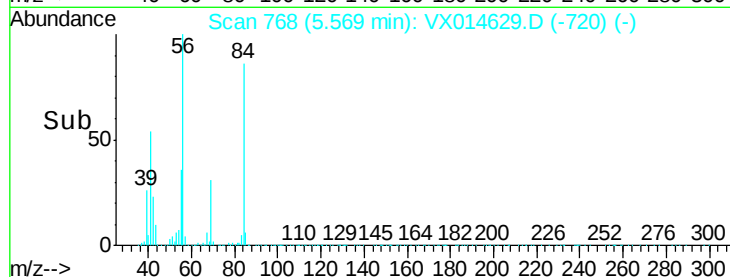
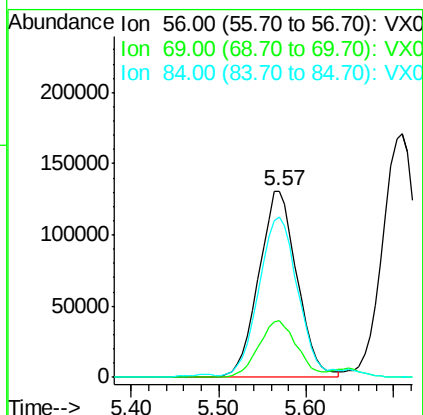
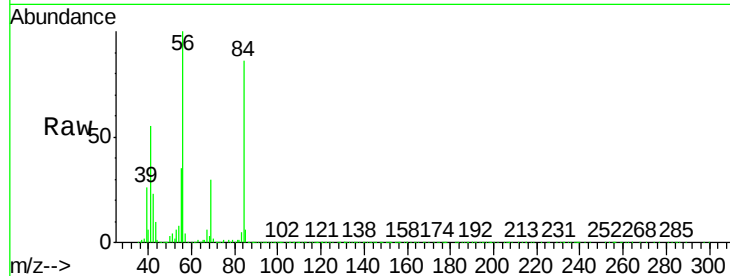




#31  
Cyclohexane  
Concen: 49.779 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

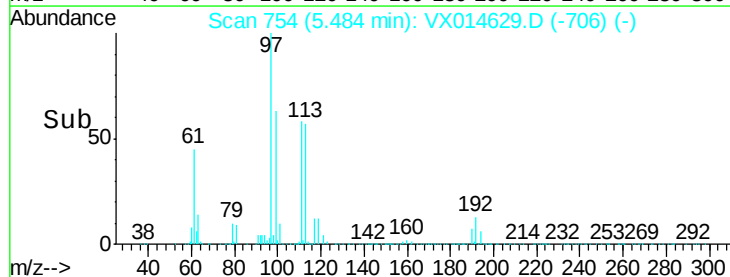
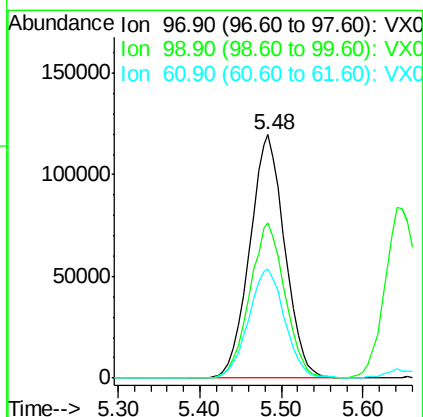
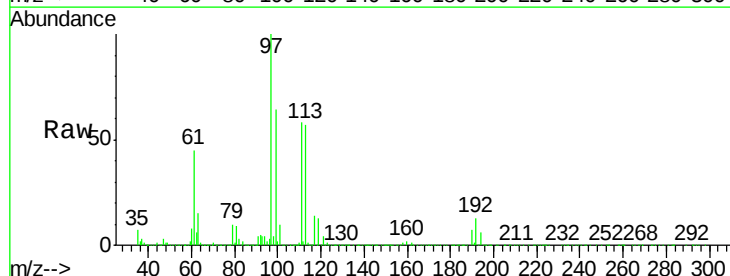
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

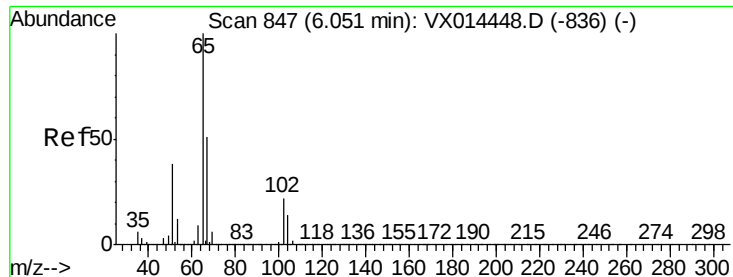
Tgt Ion: 56 Resp: 397923  
Ion Ratio Lower Upper  
56 100  
69 30.4 24.4 36.6  
84 85.1 70.6 106.0



#32  
1,1,1-Trichloroethane  
Concen: 49.884 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 97 Resp: 356338  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.8 77.6  
61 46.0 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 45.170 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

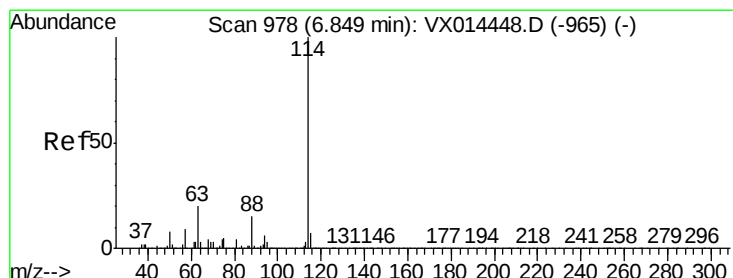
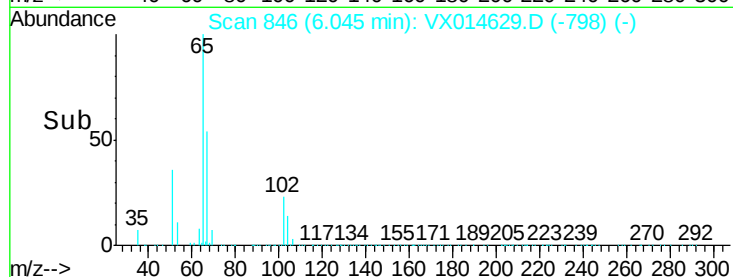
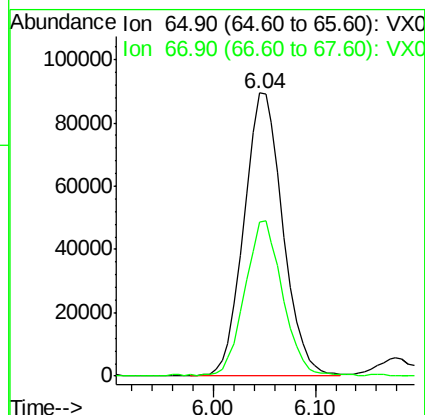
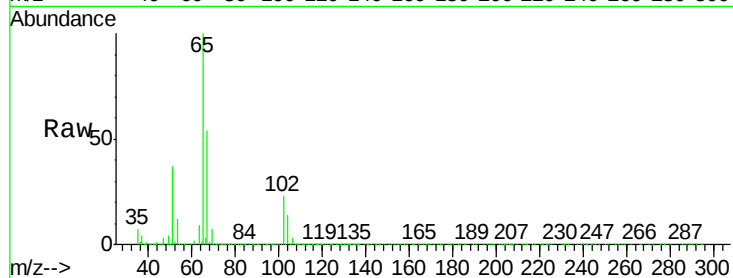
VSTDCCC050

Tgt Ion: 65 Resp: 236236

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

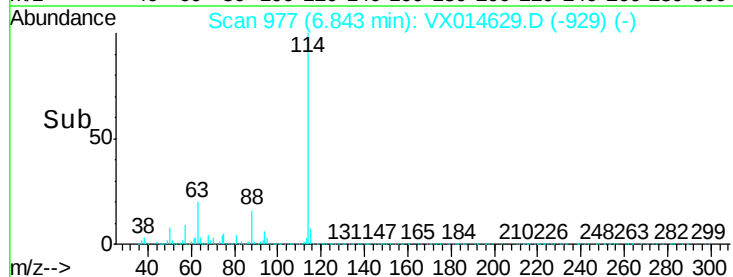
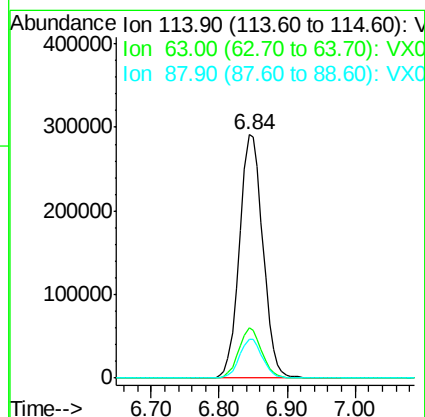
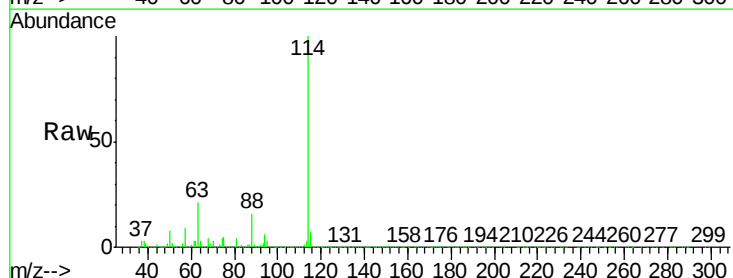
Tgt Ion: 114 Resp: 694974

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.8 0.0 30.8

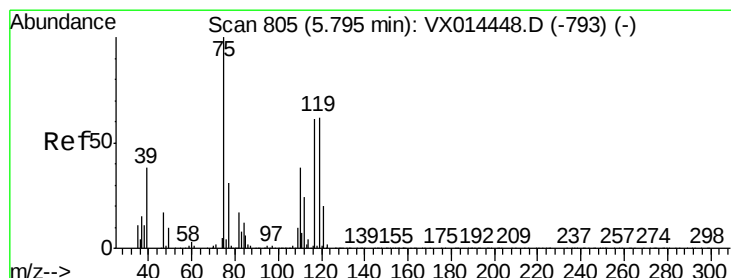
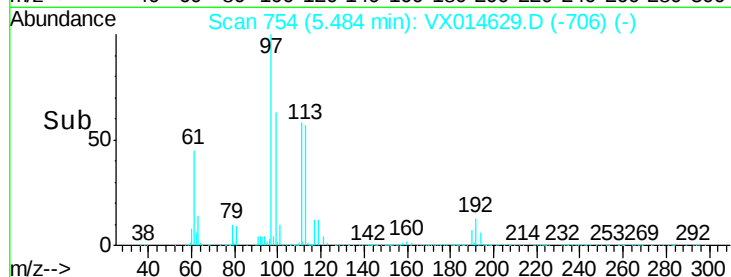
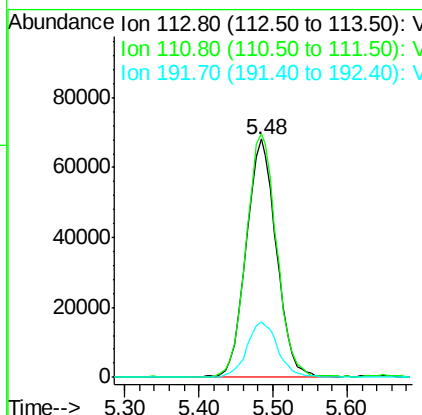
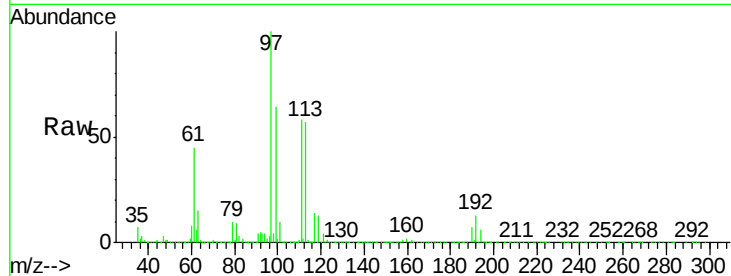




#35  
Dibromofluoromethane  
Concen: 46.164 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

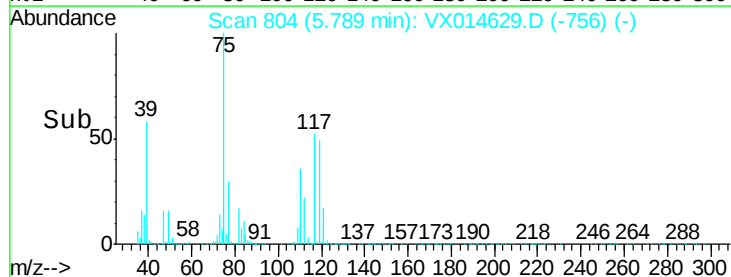
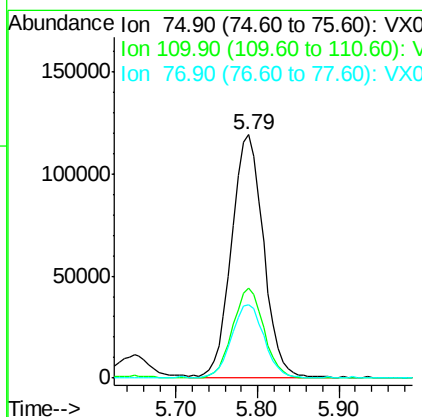
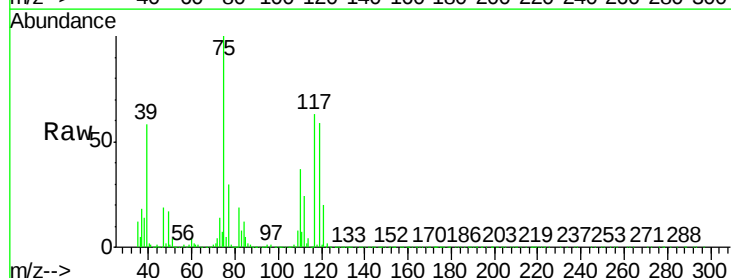
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

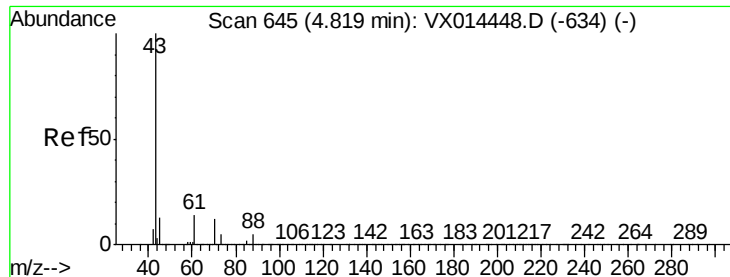
Tgt Ion: 113 Resp: 194210  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.5 122.3  
192 23.9 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 49.126 ug/l  
RT: 5.79 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 75 Resp: 321064  
Ion Ratio Lower Upper  
75 100  
110 36.4 18.6 55.8  
77 30.6 24.5 36.7

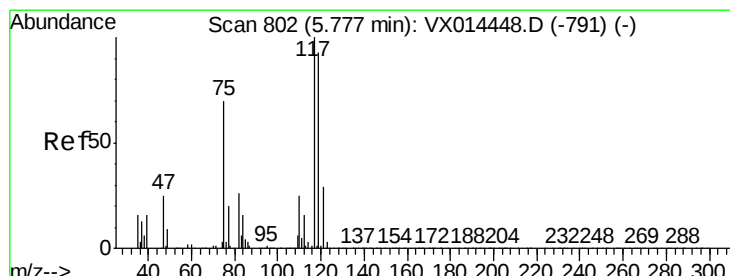
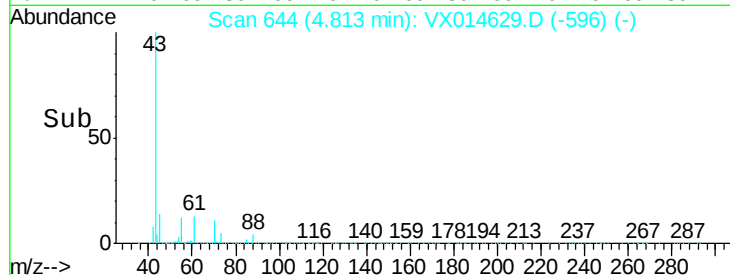
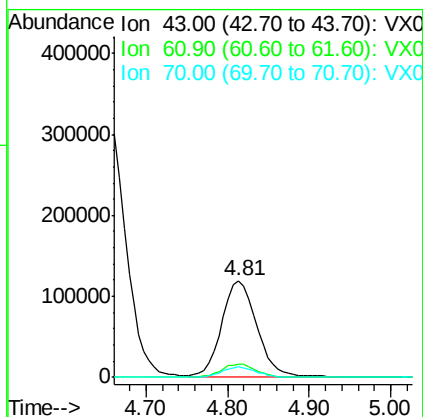
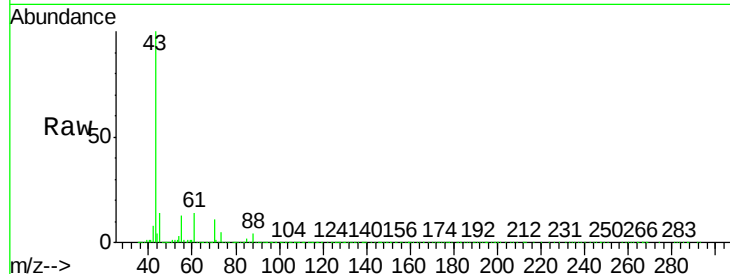




#37  
Ethyl Acetate  
Concen: 49.627 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

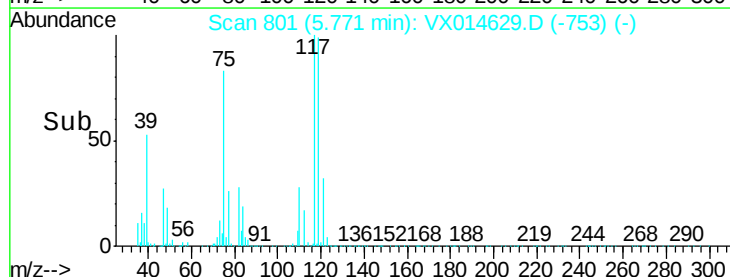
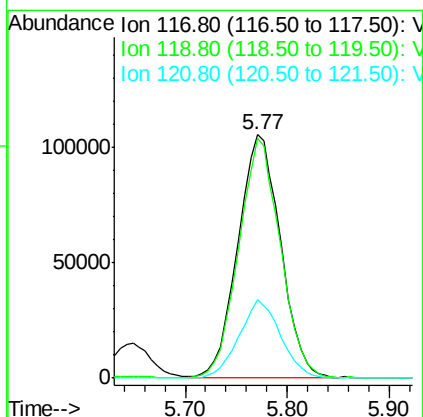
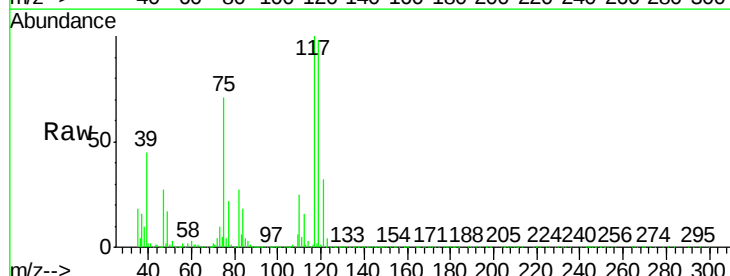
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

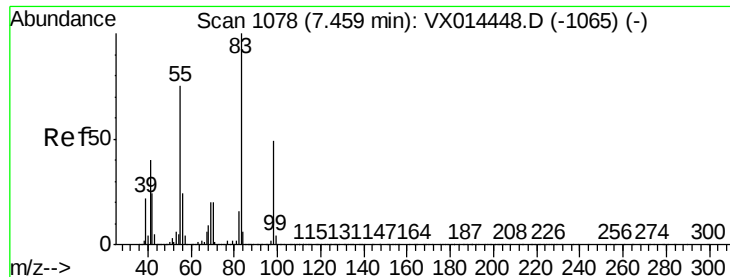
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 352306 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.1  | 11.1  | 16.7   |
| 70       | 10.3  | 8.9   | 13.3   |



#38  
Carbon Tetrachloride  
Concen: 50.403 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 303135 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.5  | 73.8  | 110.8  |
| 121      | 32.0  | 23.4  | 35.0   |

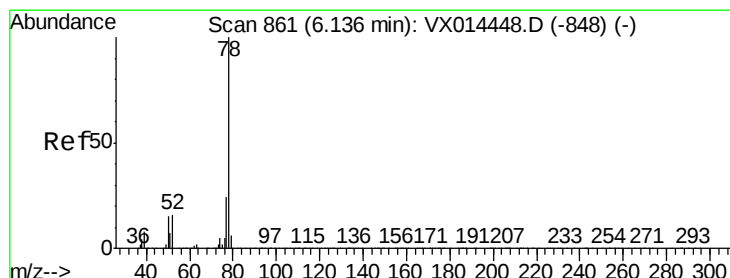
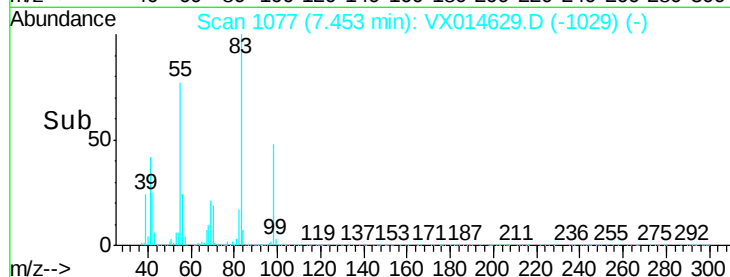
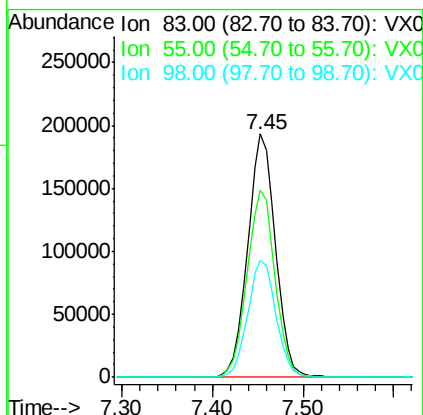
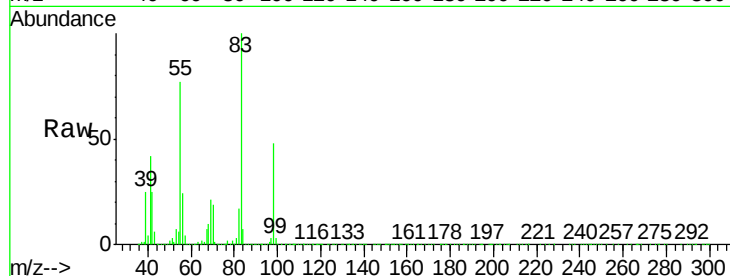




#39  
Methylcyclohexane  
Concen: 49.801 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

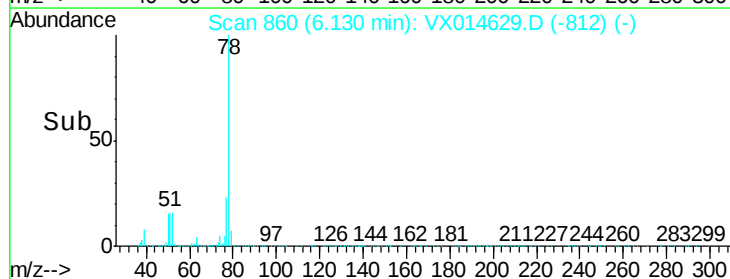
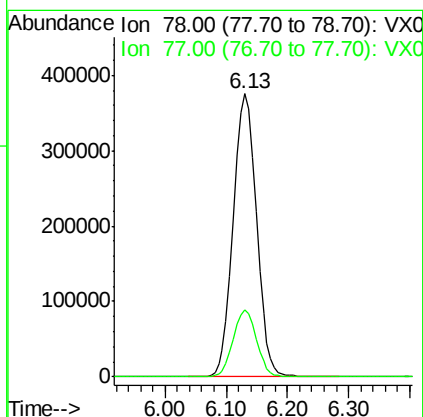
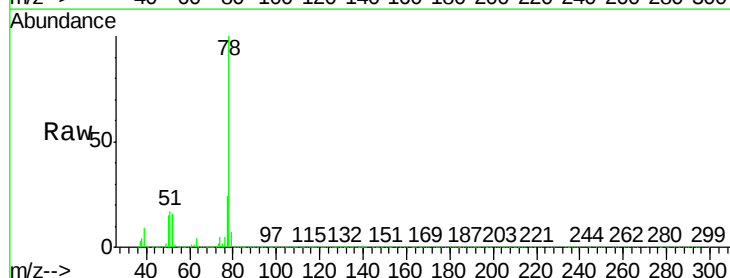
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

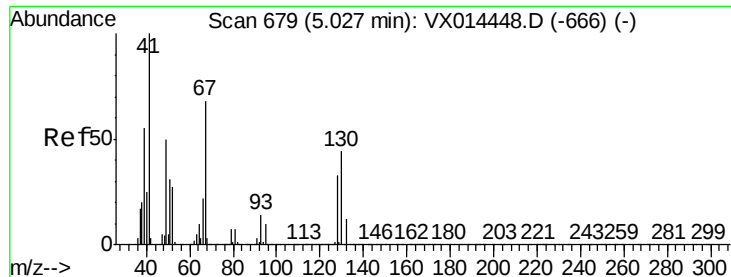
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.9  | 59.7  | 89.5  |
| 98      | 47.9  | 39.1  | 58.7  |



#40  
Benzene  
Concen: 50.734 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 19.5  | 29.3  |

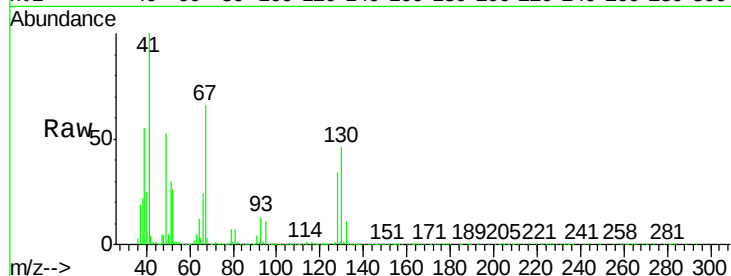




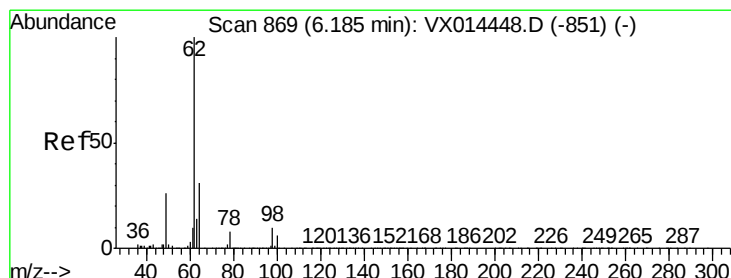
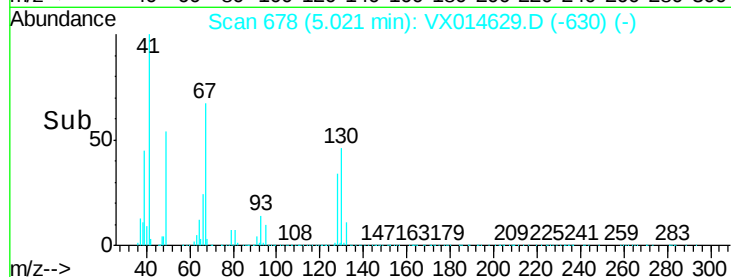
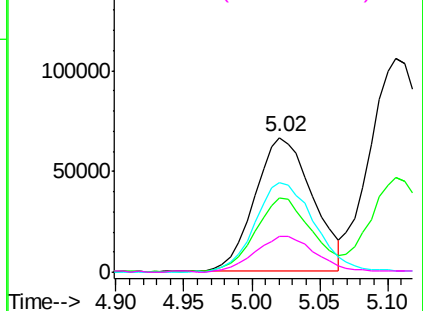
#41  
Methacrylonitrile  
Concen: 52.144 ug/l  
RT: 5.02 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 197404 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.9  | 43.6  | 65.4   |
| 67       | 68.9  | 57.9  | 86.9   |
| 52       | 27.6  | 23.0  | 34.6   |

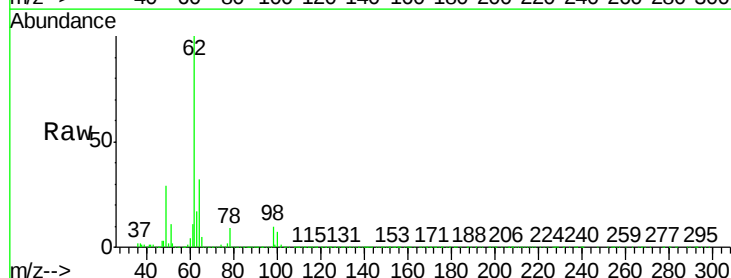


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

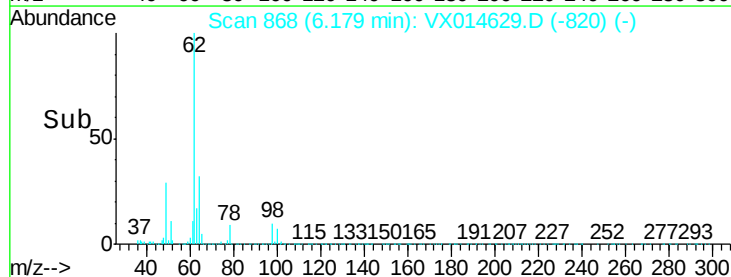
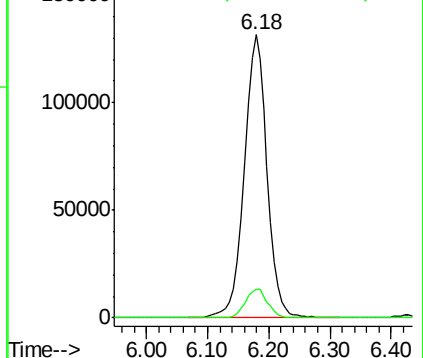


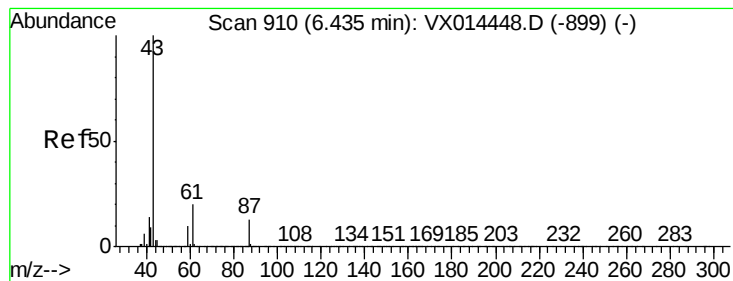
#42  
1,2-Dichloroethane  
Concen: 50.076 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 339627 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.8   | 0.0   | 20.4   |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.423 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

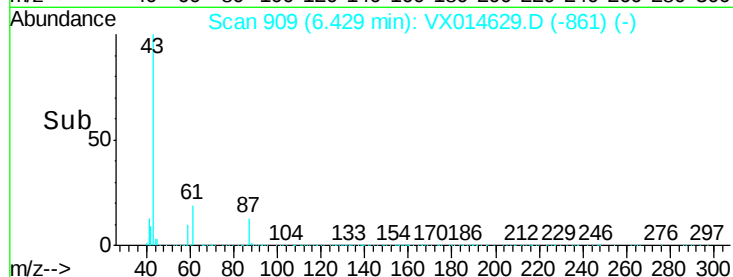
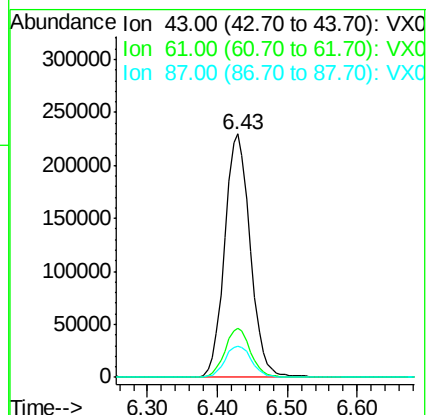
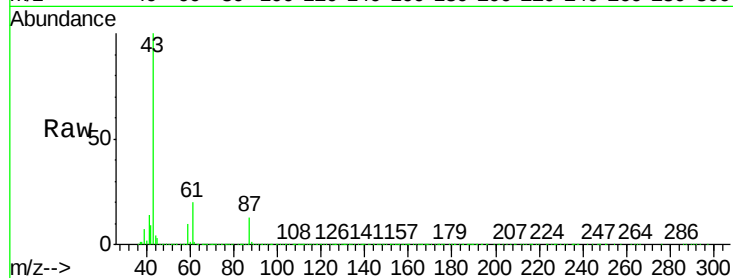
Tgt Ion: 43 Resp: 578244

Ion Ratio Lower Upper

43 100

61 20.3 16.6 24.8

87 13.2 10.8 16.2



#44

Trichloroethene

Concen: 48.713 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014629.D

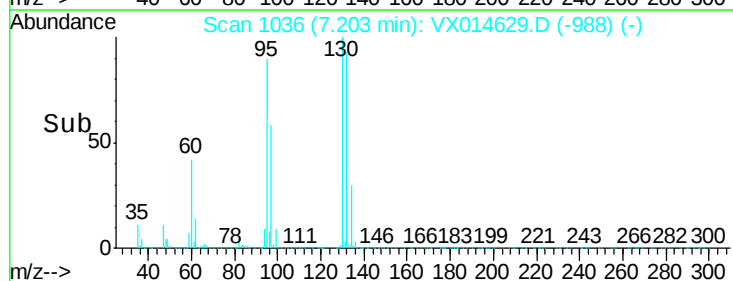
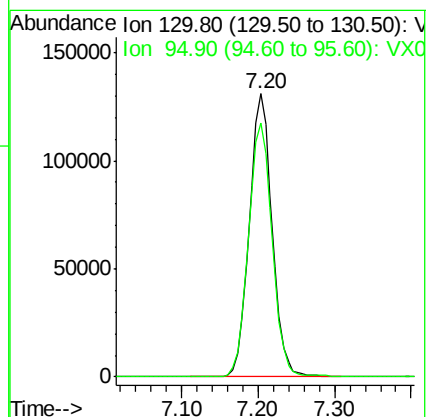
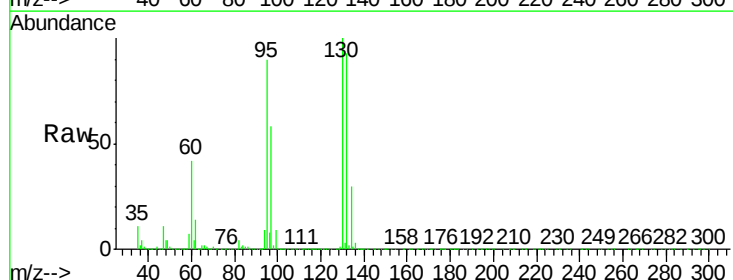
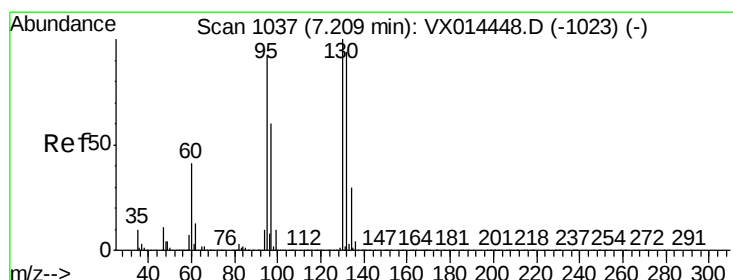
Acq: 16 Jan 2020 10:46

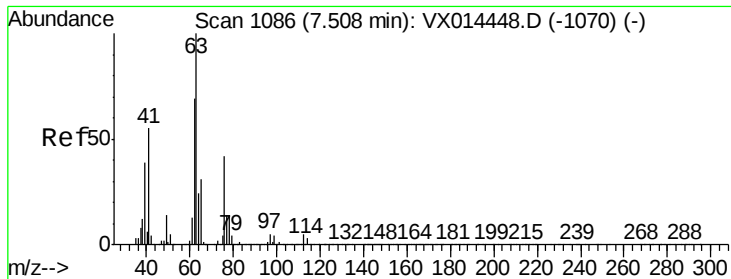
Tgt Ion: 130 Resp: 271548

Ion Ratio Lower Upper

130 100

95 89.4 0.0 184.2

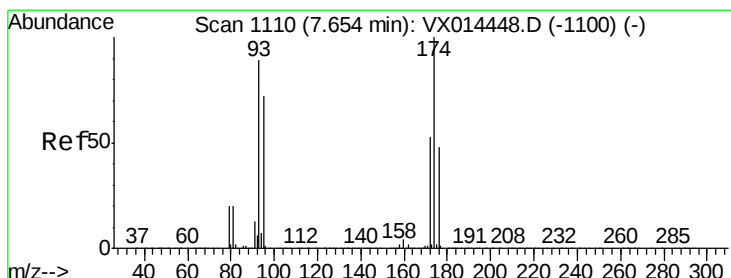
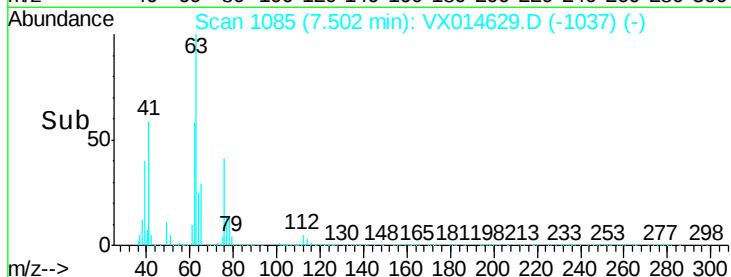
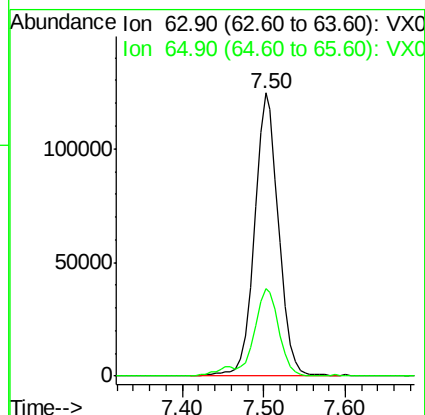
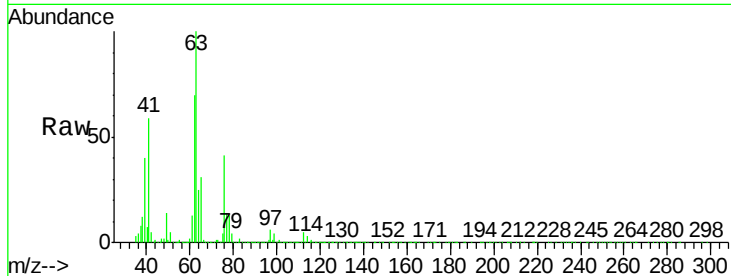




#45  
 1,2-Dichloropropane  
 Concen: 51.662 ug/l  
 RT: 7.50 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

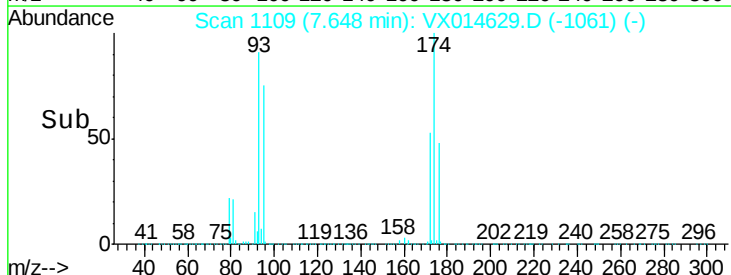
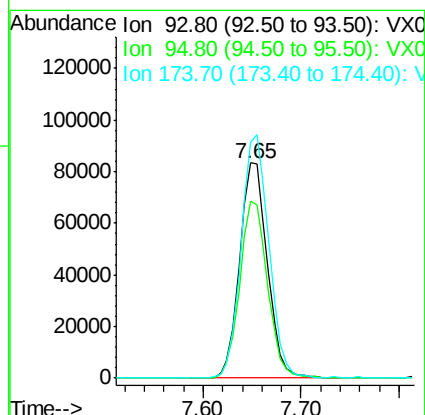
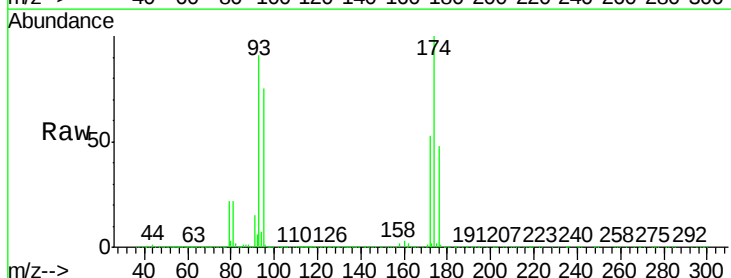
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

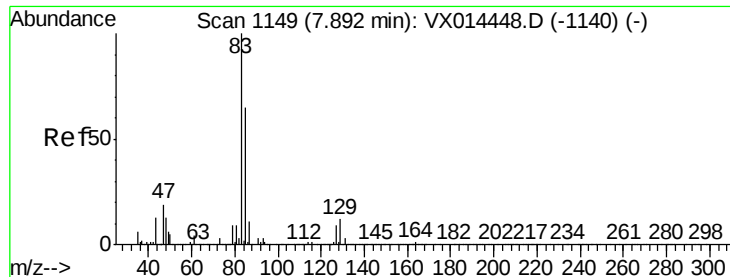
Tgt Ion: 63 Resp: 255489  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.8 37.2



#46  
 Dibromomethane  
 Concen: 47.325 ug/l  
 RT: 7.65 min Scan# 1109  
 Delta R.T. -0.01 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

Tgt Ion: 93 Resp: 163353  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 65.4 98.2  
 174 113.4 93.0 139.4





#47

Bromodichloromethane

Concen: 52.324 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

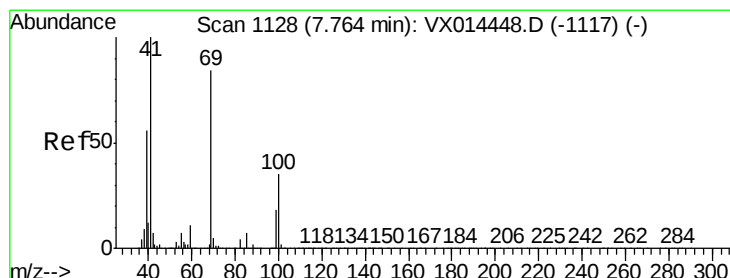
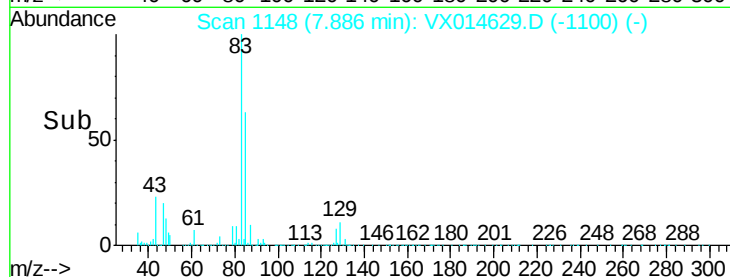
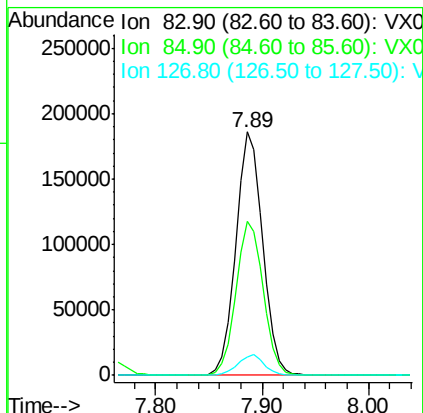
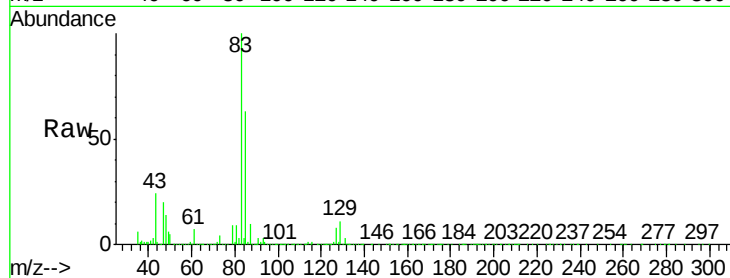
Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 328631 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.3  | 51.7  | 77.5   |
| 127      | 7.6   | 7.1   | 10.7   |



#48

Methyl methacrylate

Concen: 53.103 ug/l

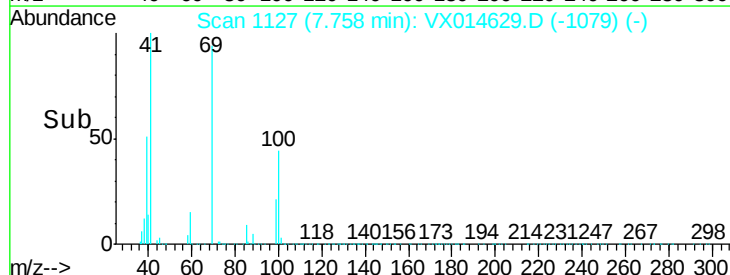
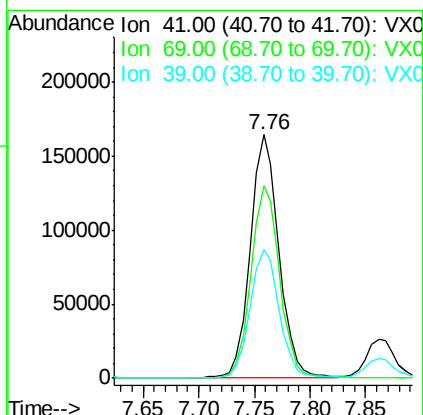
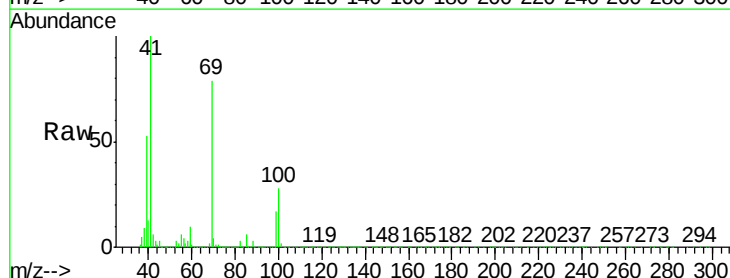
RT: 7.76 min Scan# 1127

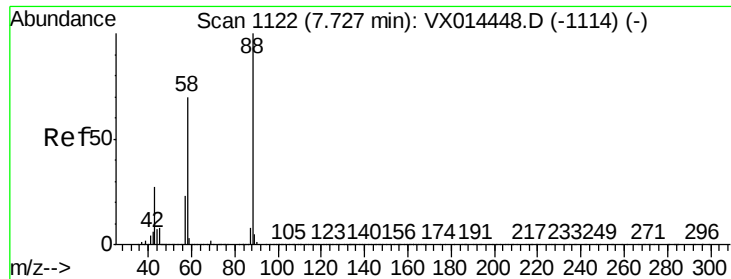
Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 291671 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 79.9  | 65.5  | 98.3   |
| 39       | 54.1  | 43.9  | 65.9   |





#49

1,4-Dioxane

Concen: 917.115 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

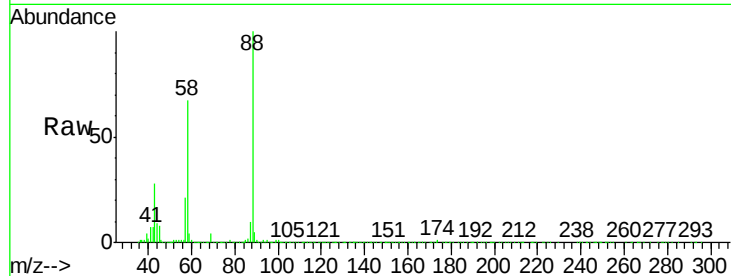
Tgt Ion: 88 Resp: 106735

Ion Ratio Lower Upper

88 100

43 32.6 27.4 41.0

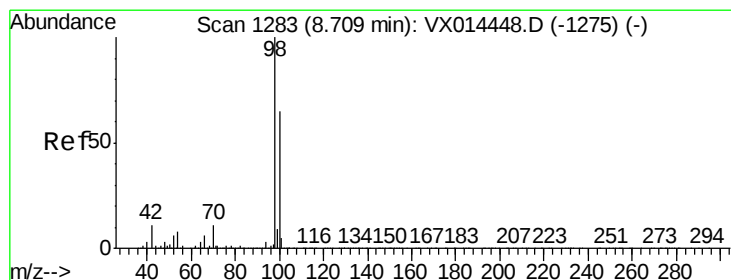
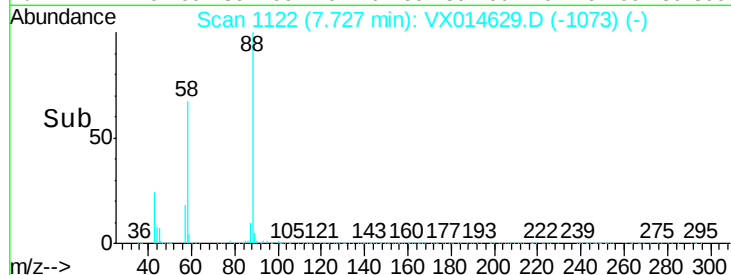
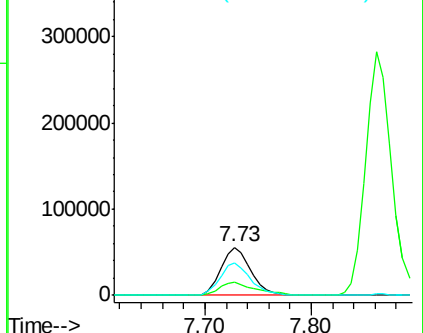
58 69.4 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.553 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014629.D

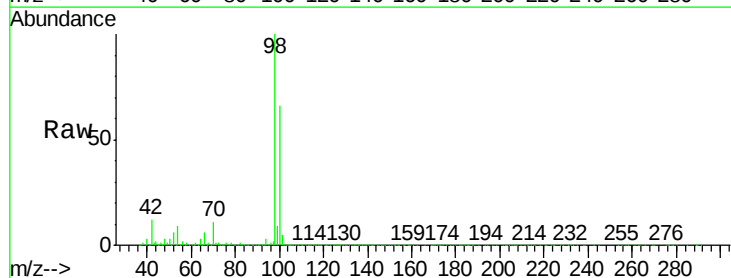
Acq: 16 Jan 2020 10:46

Tgt Ion: 98 Resp: 760019

Ion Ratio Lower Upper

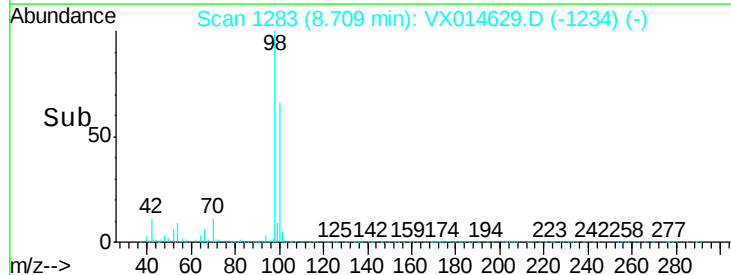
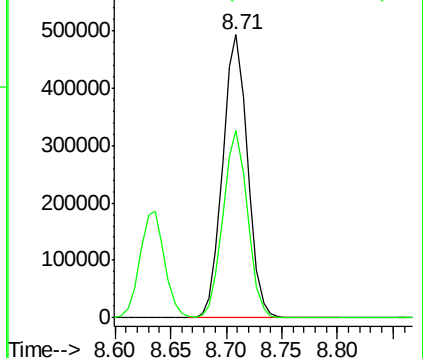
98 100

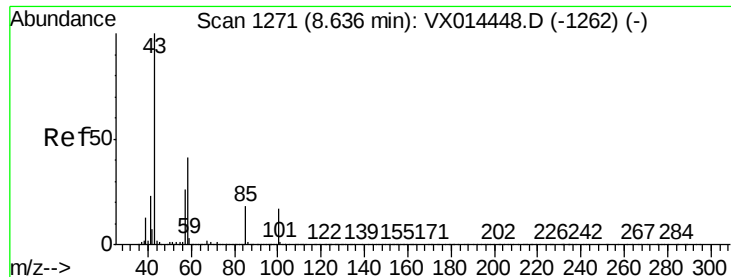
100 65.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

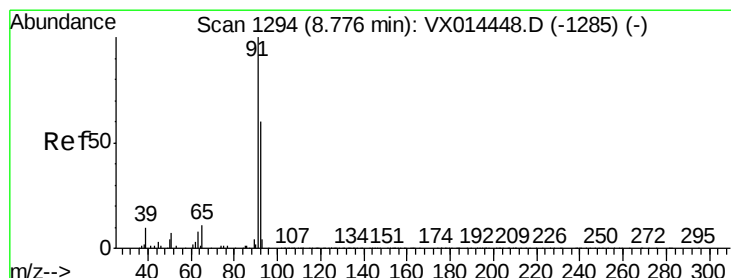
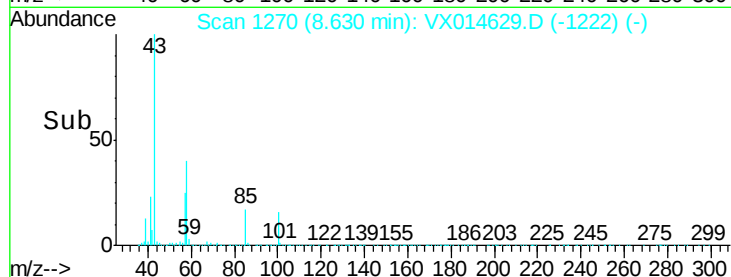
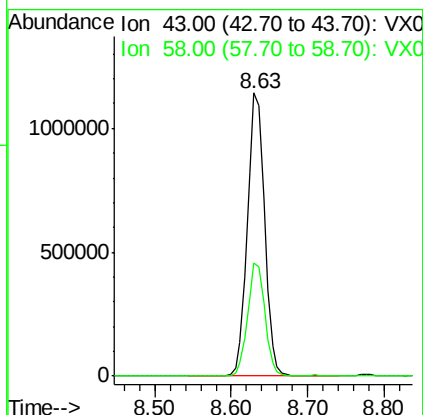
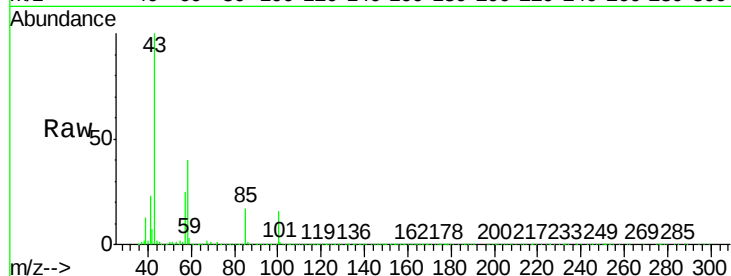




#51  
 4-Methyl-2-Pentanone  
 Concen: 257.111 ug/l  
 RT: 8.63 min Scan# 1270  
 Delta R.T. -0.01 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

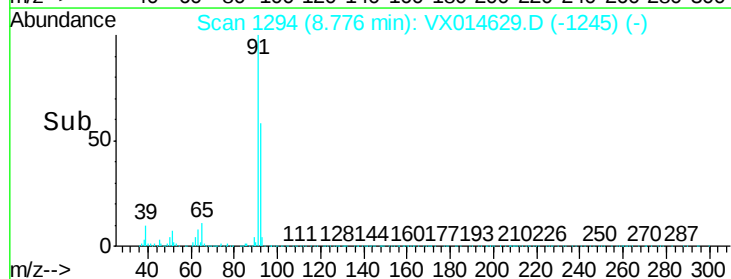
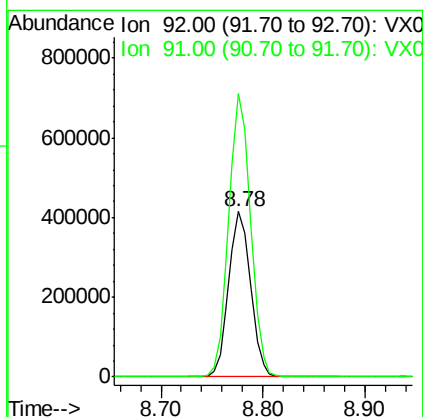
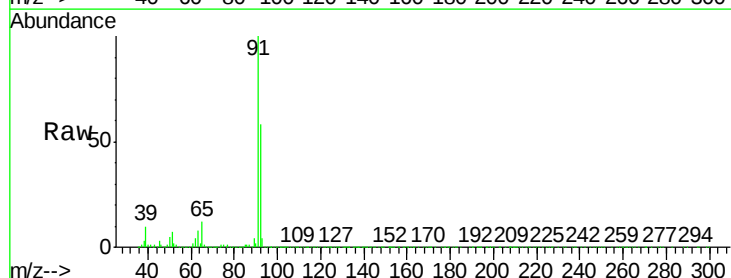
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

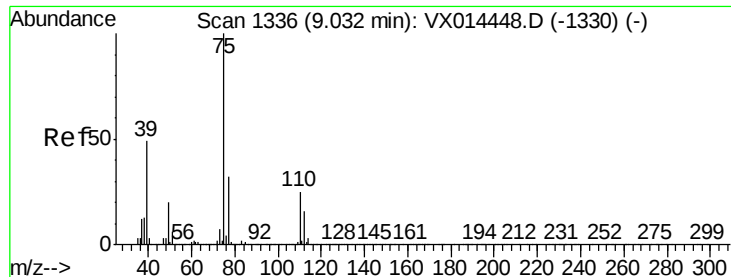
Tgt Ion: 43 Resp: 1796754  
 Ion Ratio Lower Upper  
 43 100  
 58 39.8 32.4 48.6



#52  
 Toluene  
 Concen: 49.574 ug/l  
 RT: 8.78 min Scan# 1294  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

Tgt Ion: 92 Resp: 615569  
 Ion Ratio Lower Upper  
 92 100  
 91 170.9 135.7 203.5

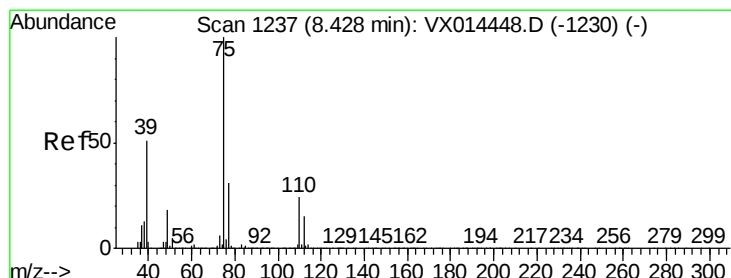
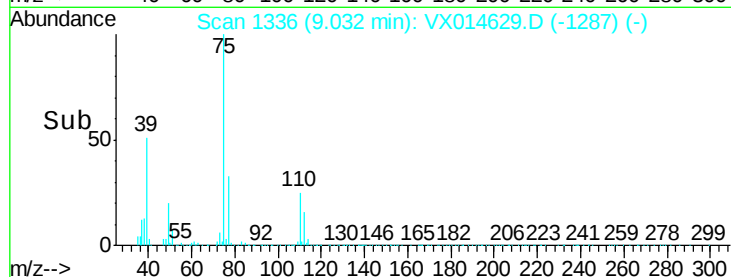
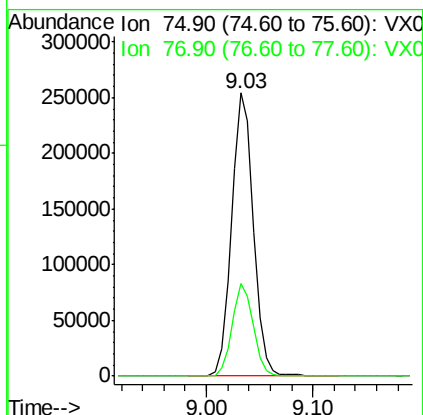
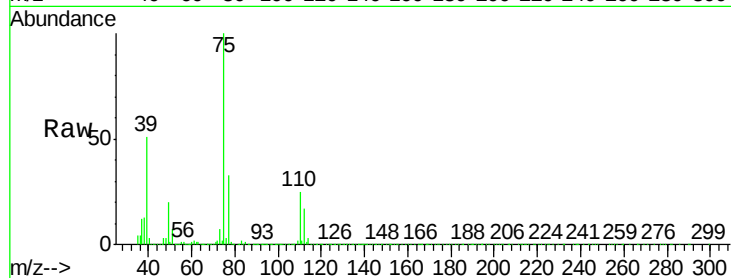




#53  
t-1,3-Dichloropropene  
Concen: 49.669 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

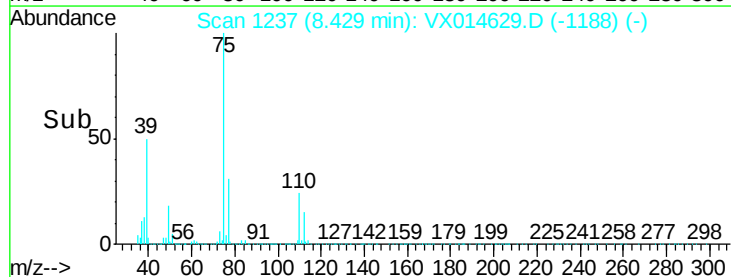
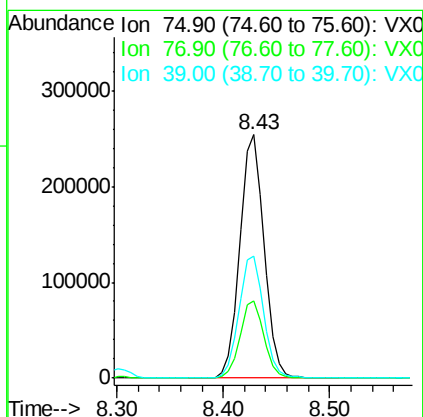
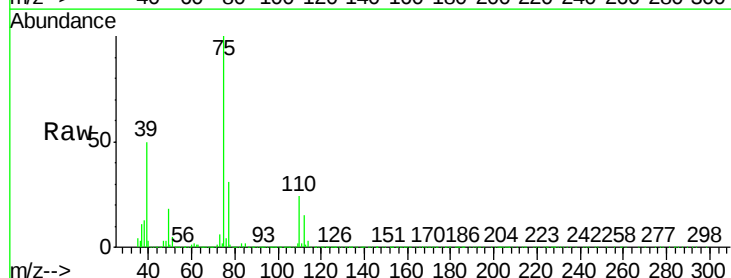
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 363190  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 51.518 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 75 Resp: 406937  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.0 37.4  
39 49.8 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 50.301 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 250875

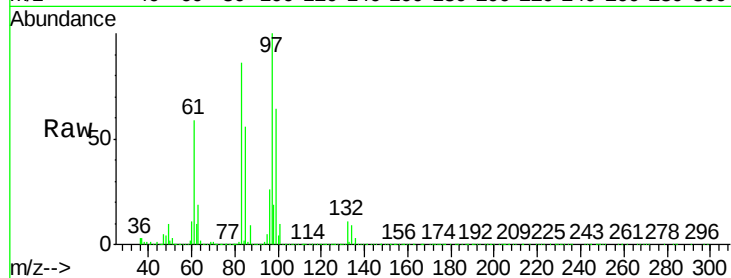
Ion Ratio Lower Upper

97 100

83 86.0 66.4 99.6

85 55.8 43.4 65.2

99 64.0 49.6 74.4

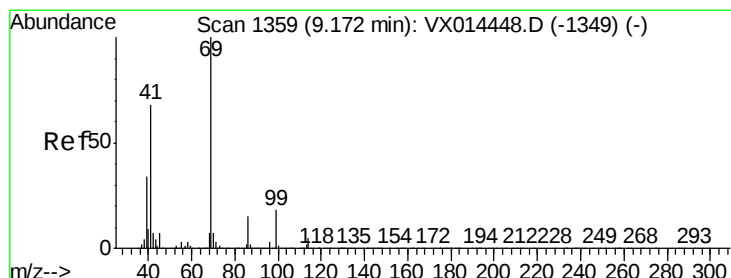
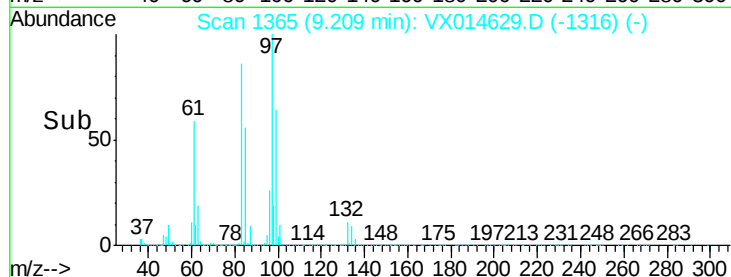
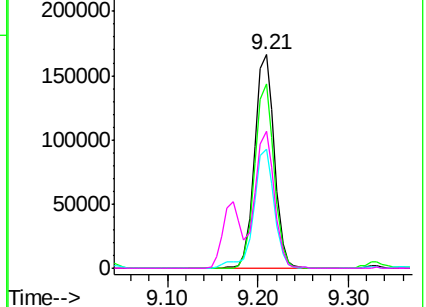


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.382 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

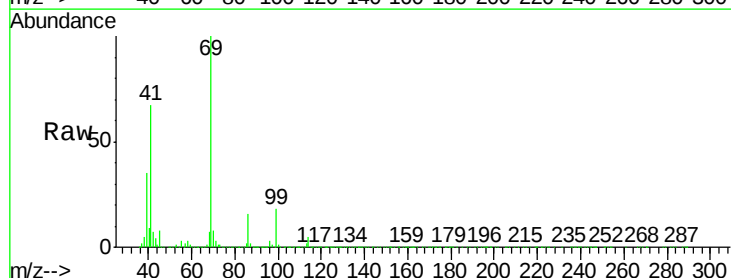
Tgt Ion: 69 Resp: 392612

Ion Ratio Lower Upper

69 100

41 68.6 54.2 81.2

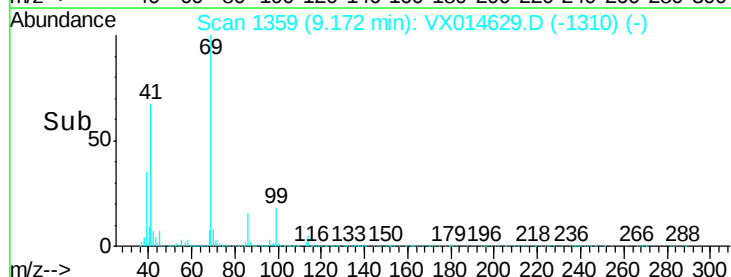
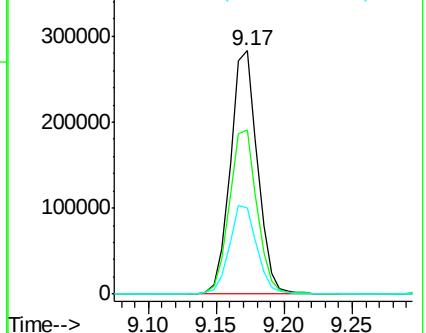
39 36.8 28.2 42.2

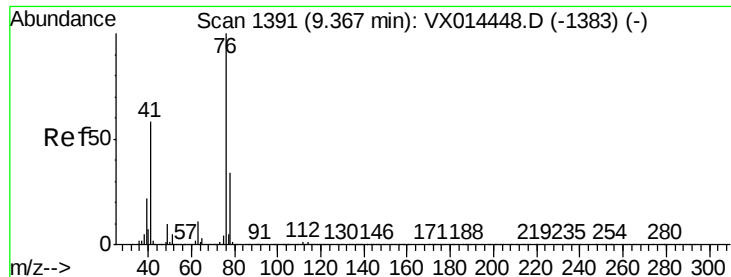


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.492 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

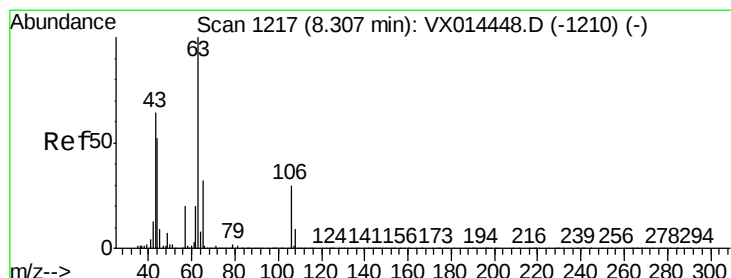
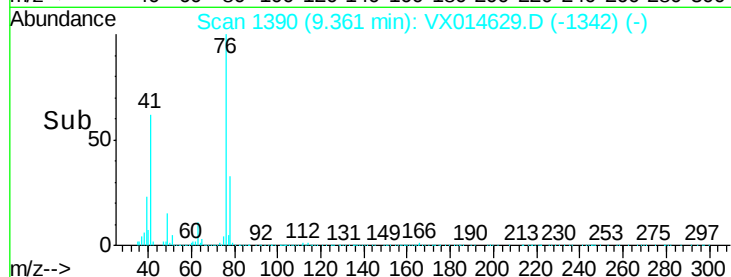
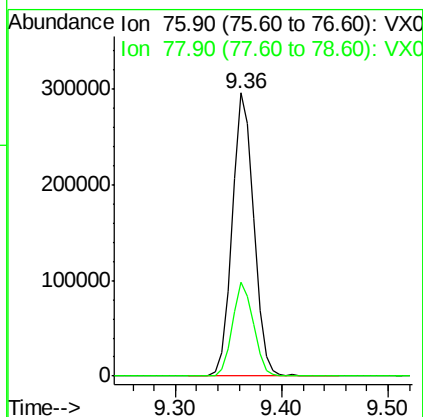
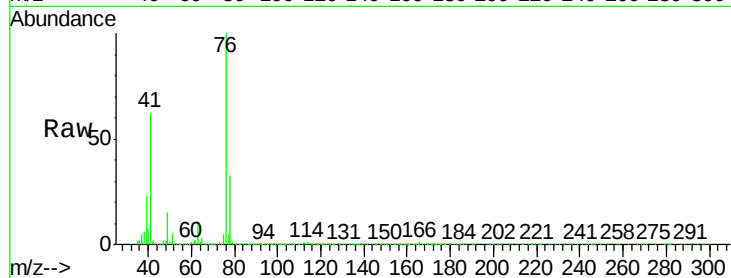
VSTDCCC050

Tgt Ion: 76 Resp: 421056

Ion Ratio Lower Upper

76 100

78 32.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 269.287 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014629.D

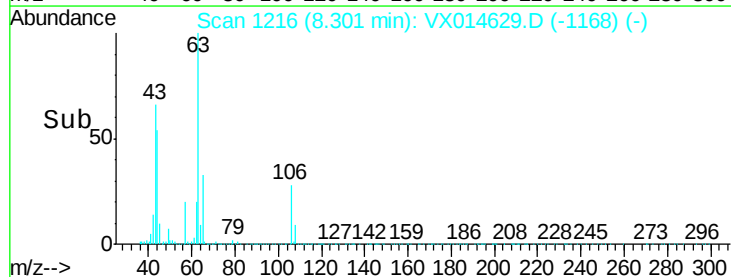
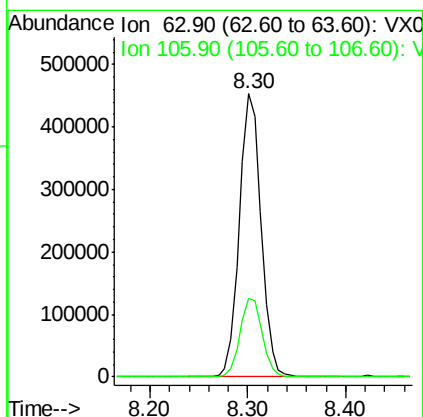
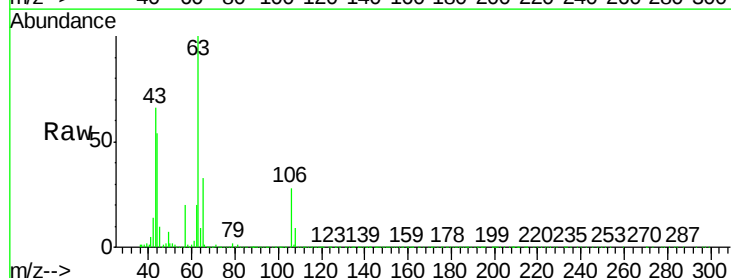
Acq: 16 Jan 2020 10:46

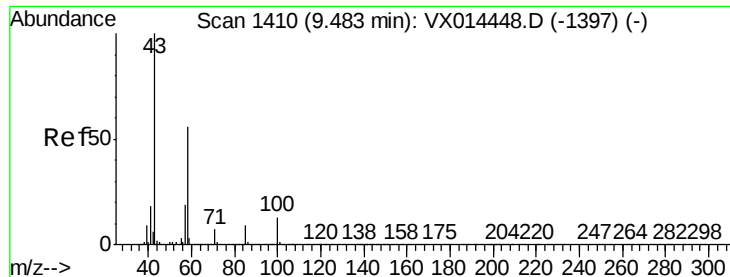
Tgt Ion: 63 Resp: 700081

Ion Ratio Lower Upper

63 100

106 28.3 23.6 35.4

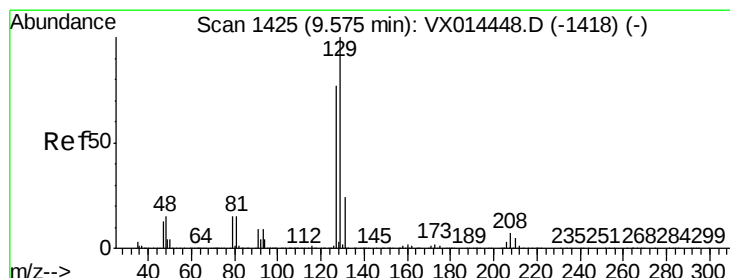
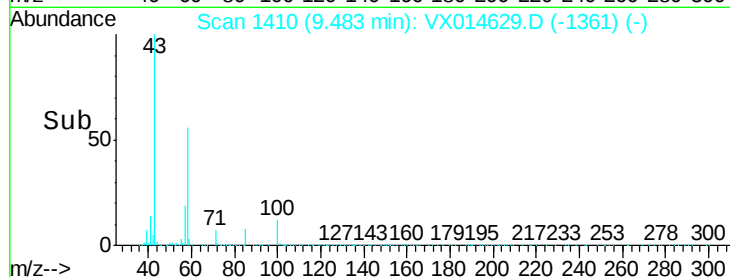
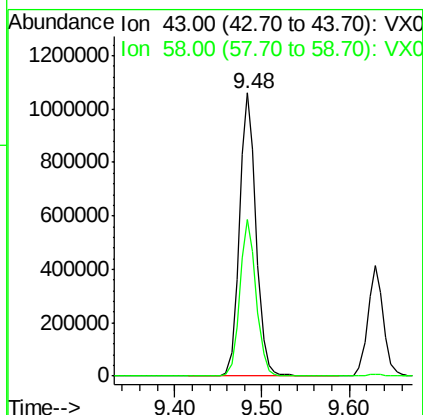
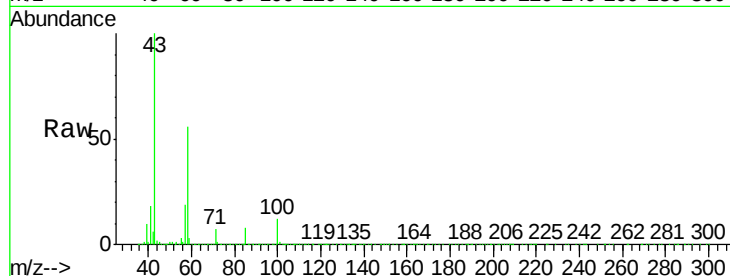




#59  
2-Hexanone  
Concen: 254.208 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

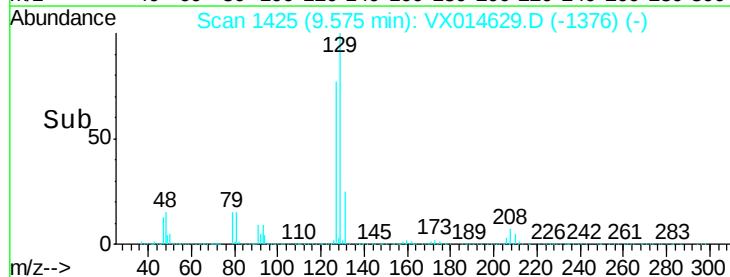
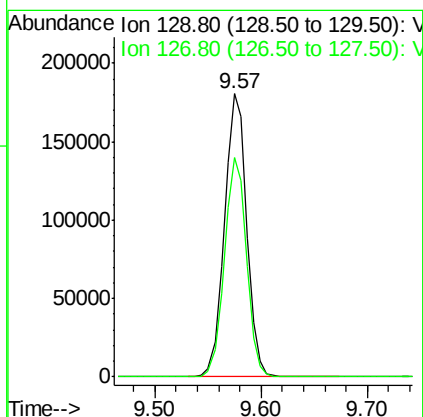
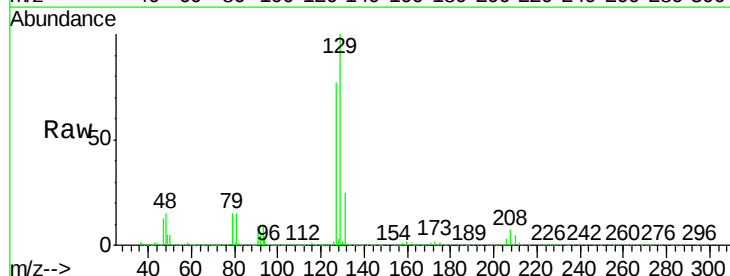
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

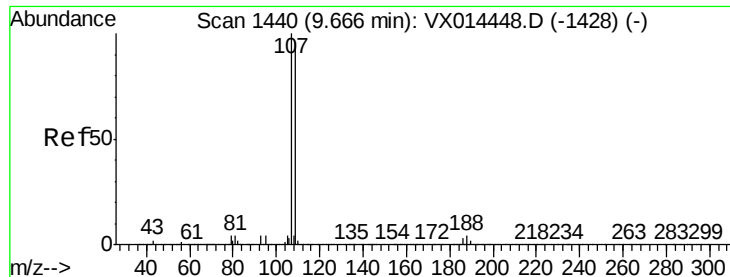
Tgt Ion: 43 Resp: 1405616  
Ion Ratio Lower Upper  
43 100  
58 54.6 27.9 83.7



#60  
Dibromochloromethane  
Concen: 52.458 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 129 Resp: 262974  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.676 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

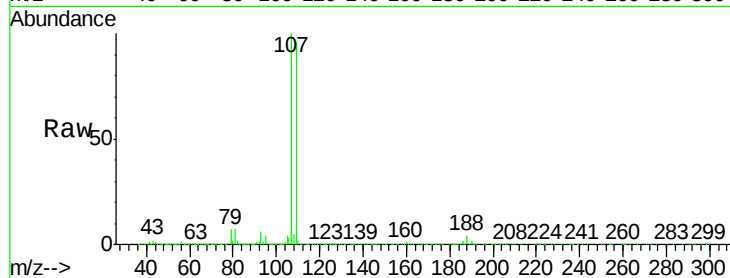
VSTDCCC050

Tgt Ion: 107 Resp: 262448

Ion Ratio Lower Upper

107 100

109 94.5 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

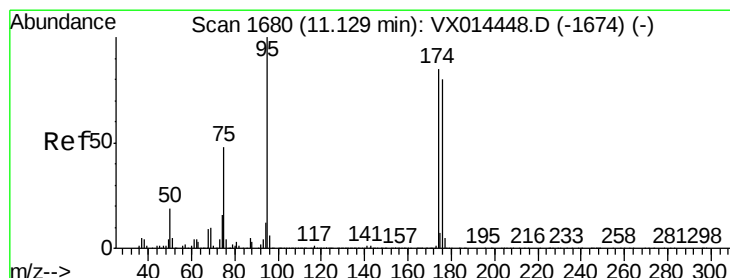
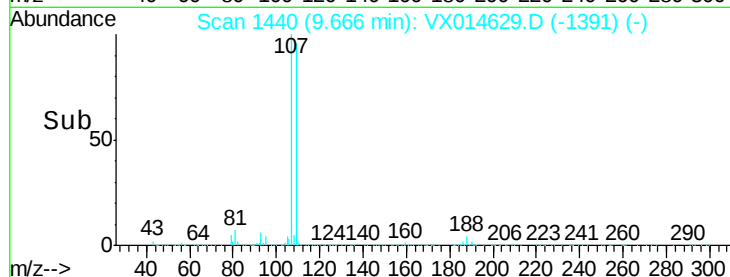
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.078 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

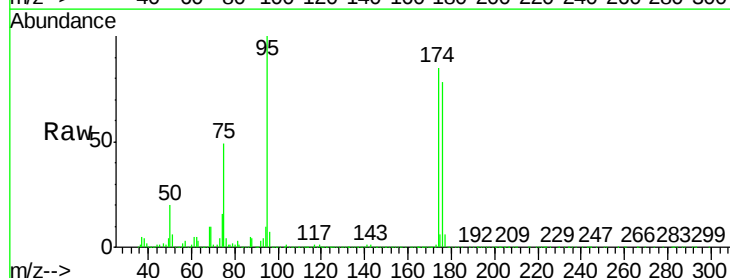
Tgt Ion: 95 Resp: 270172

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.8

176 85.4 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

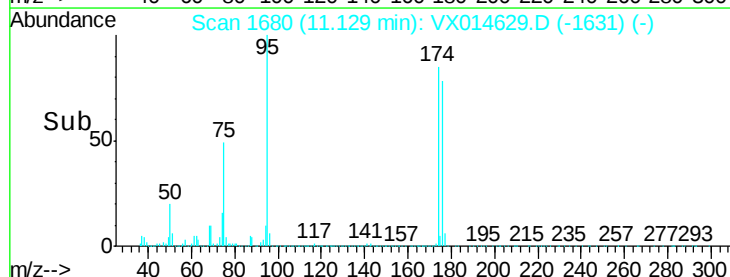
150000

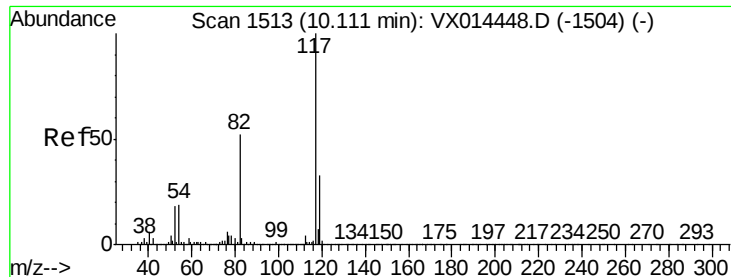
100000

50000

0

Time-->

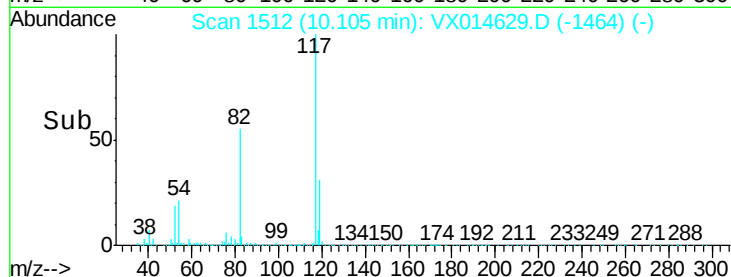
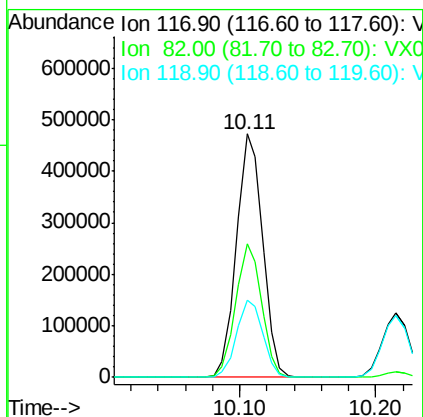
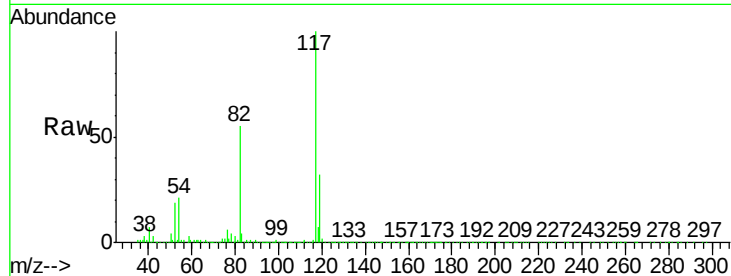




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

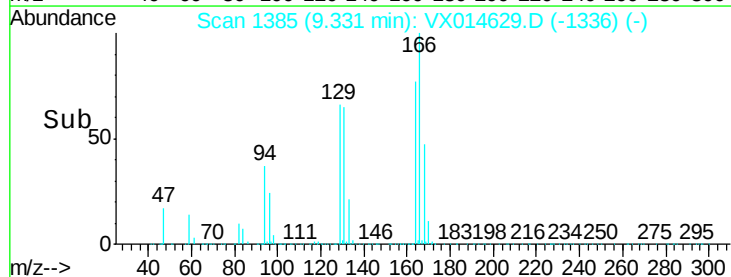
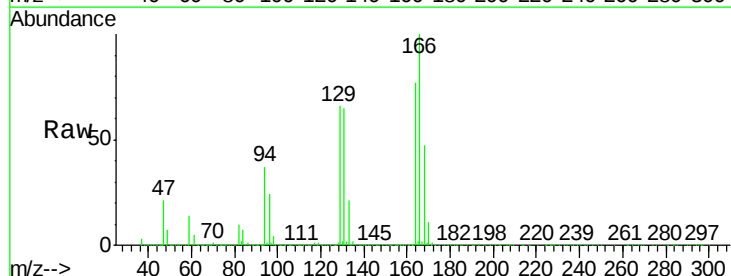
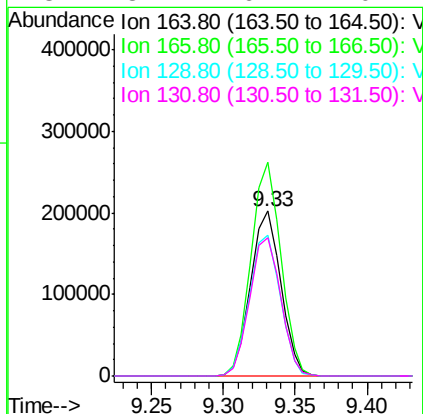
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

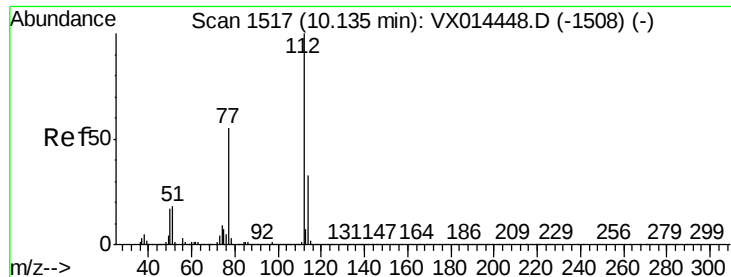
Tgt Ion:117 Resp: 632657  
Ion Ratio Lower Upper  
117 100  
82 54.6 41.8 62.6  
119 31.5 26.2 39.4



#64  
Tetrachloroethene  
Concen: 46.078 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion:164 Resp: 292162  
Ion Ratio Lower Upper  
164 100  
166 129.4 101.2 151.8  
129 85.5 68.3 102.5  
131 84.1 67.4 101.2

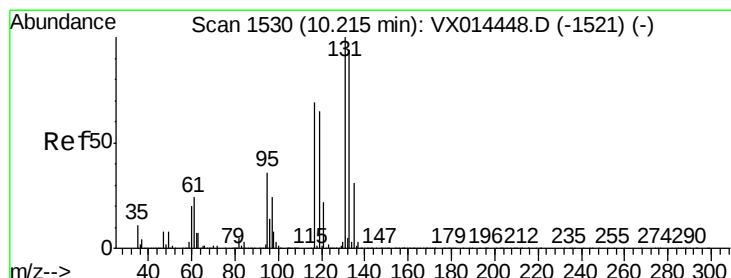
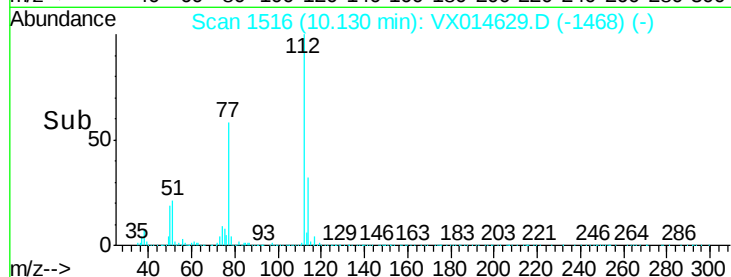
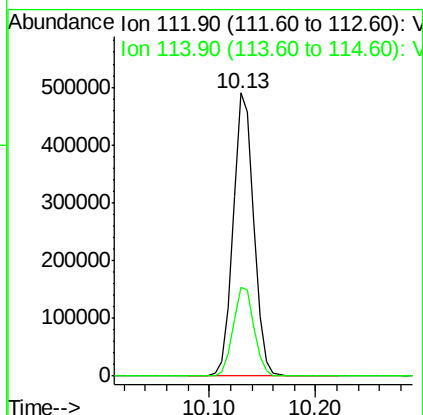
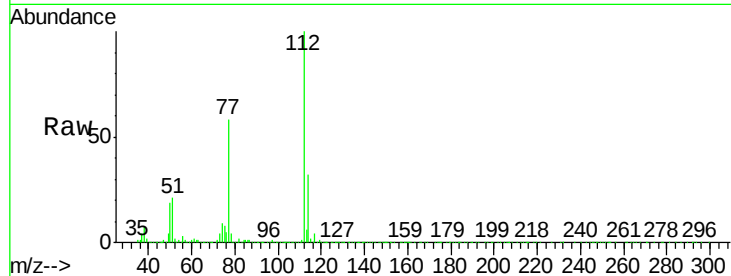




#65  
Chlorobenzene  
Concen: 48.302 ug/l  
RT: 10.13 min Scan# 1516  
Delta R.T. -0.01 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

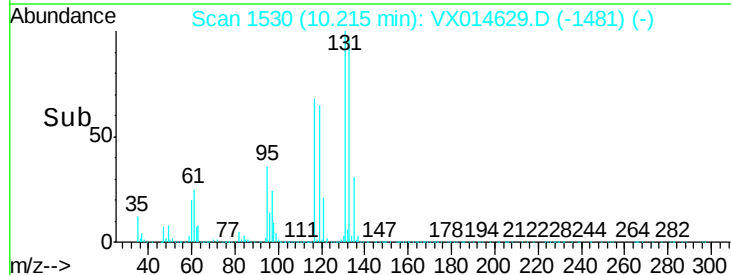
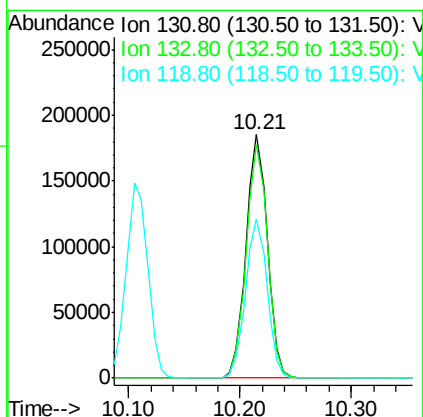
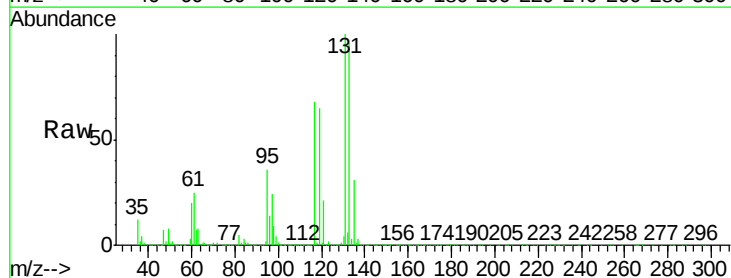
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

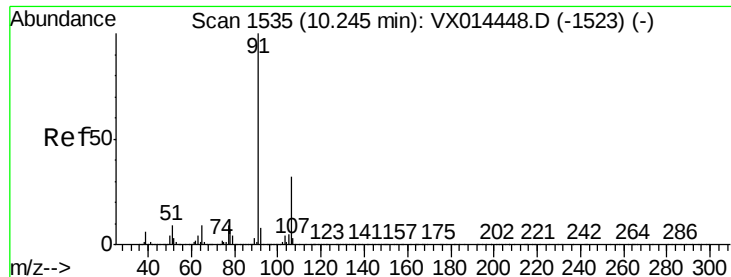
Tgt Ion:112 Resp: 663162  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.2 39.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.363 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion:131 Resp: 246765  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.3 142.0  
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 50.392 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

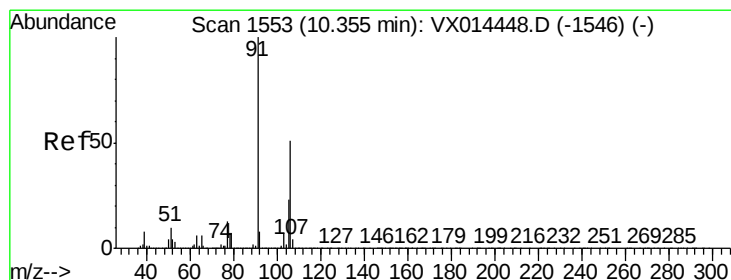
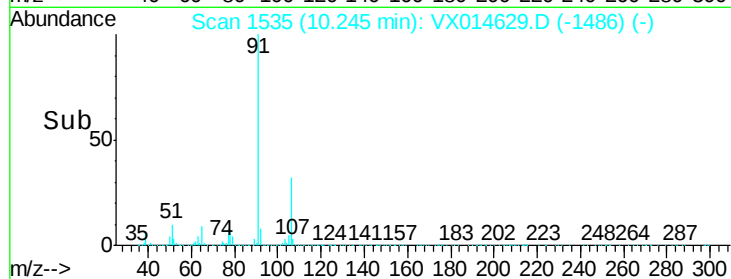
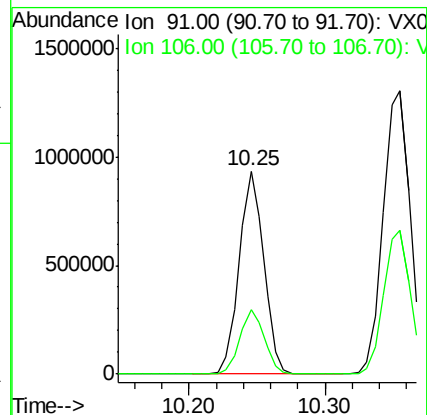
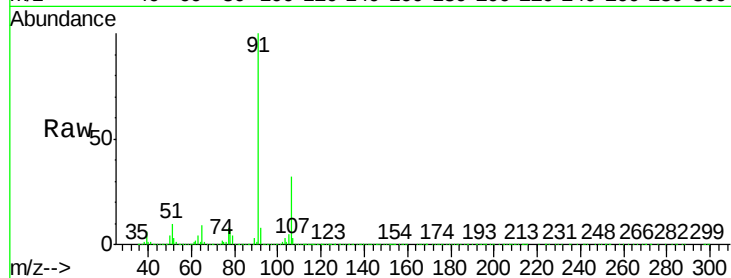
VSTDCCC050

Tgt Ion: 91 Resp: 1179246

Ion Ratio Lower Upper

91 100

106 31.6 25.6 38.4



#68

m/p-Xylenes

Concen: 100.326 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014629.D

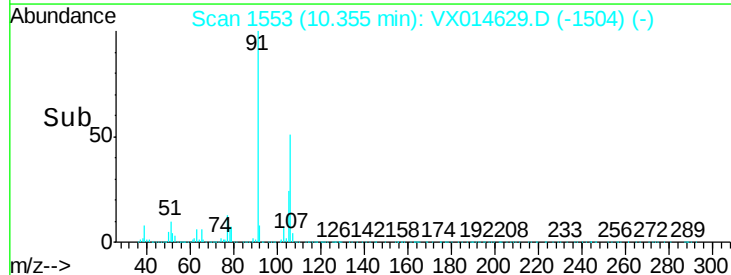
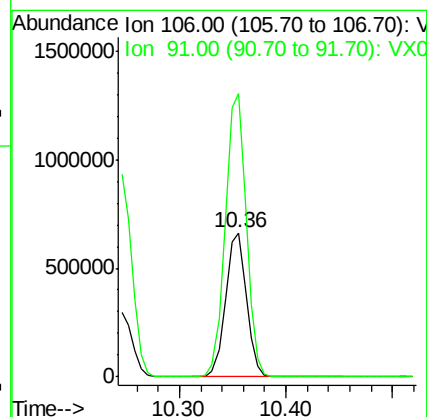
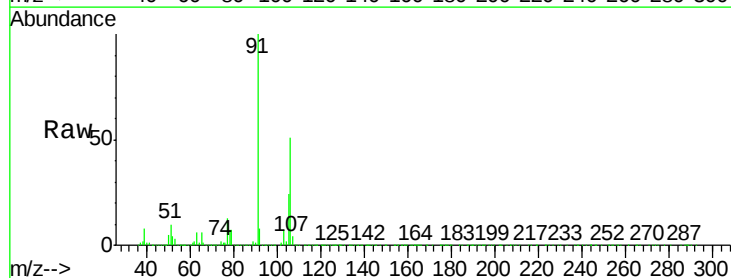
Acq: 16 Jan 2020 10:46

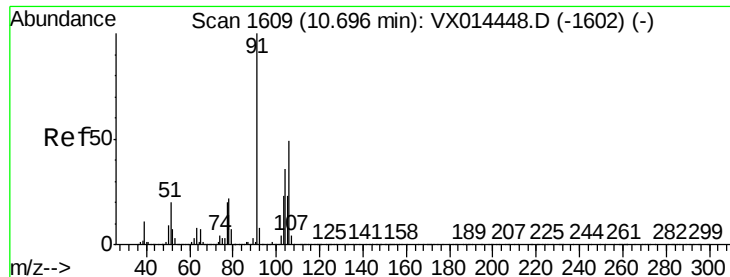
Tgt Ion: 106 Resp: 905759

Ion Ratio Lower Upper

106 100

91 198.4 157.4 236.0

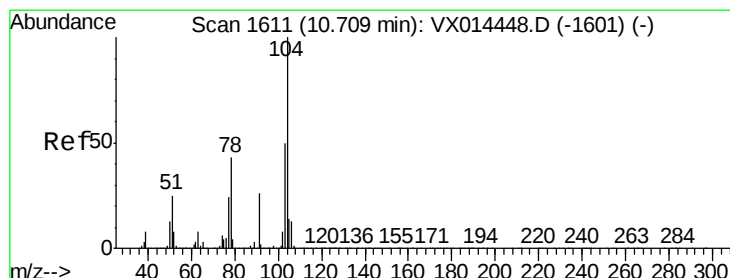
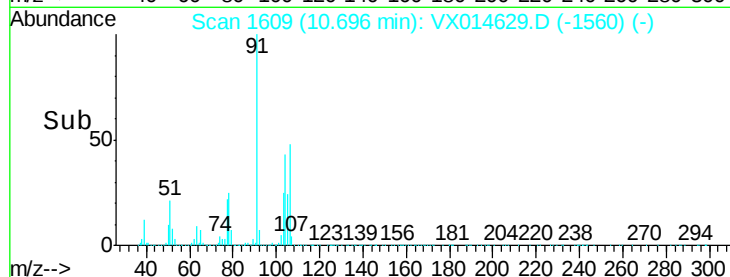
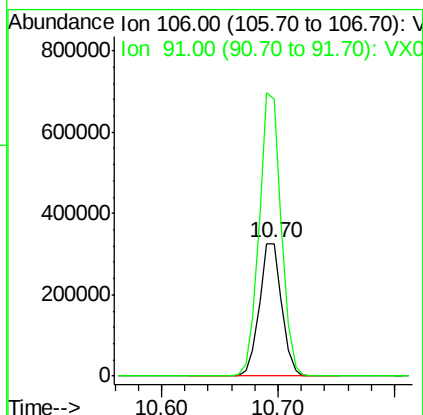
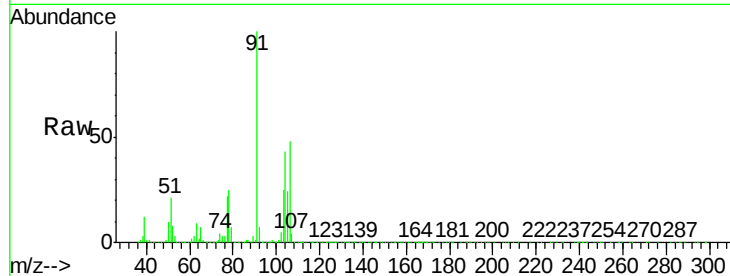




#69  
o-Xylene  
Concen: 50.485 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

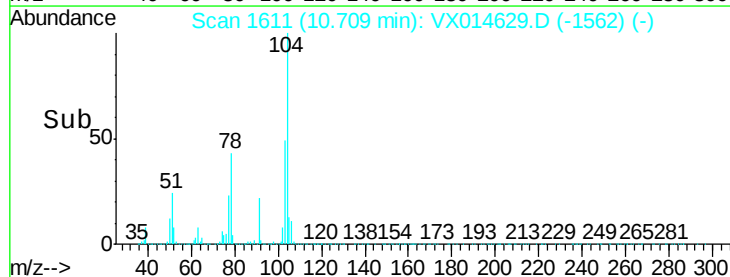
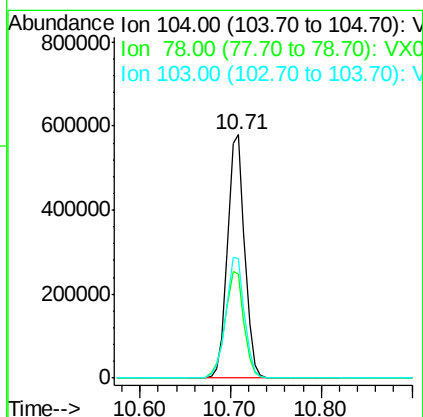
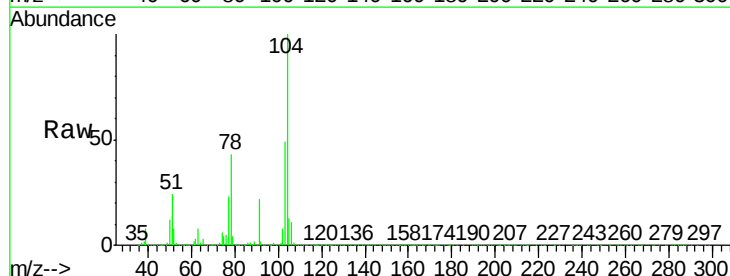
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

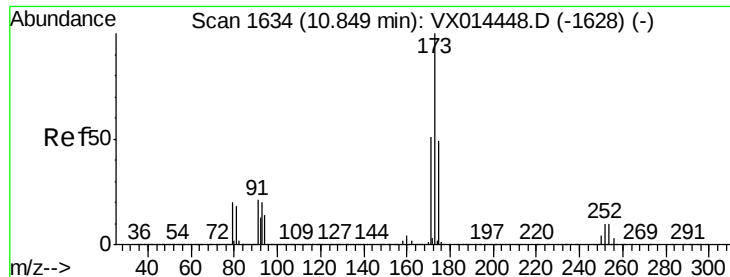
Tgt Ion:106 Resp: 434877  
Ion Ratio Lower Upper  
106 100  
91 210.7 105.1 315.1



#70  
Styrene  
Concen: 50.959 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion:104 Resp: 757539  
Ion Ratio Lower Upper  
104 100  
78 48.2 38.6 58.0  
103 53.9 43.7 65.5





#71

Bromoform

Concen: 49.446 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

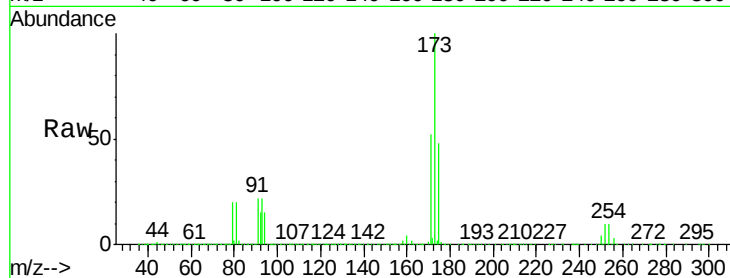
Tgt Ion:173 Resp: 198219

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.8

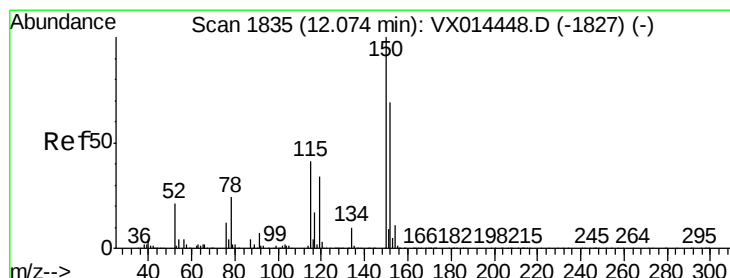
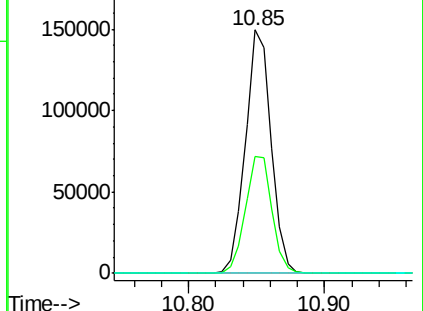
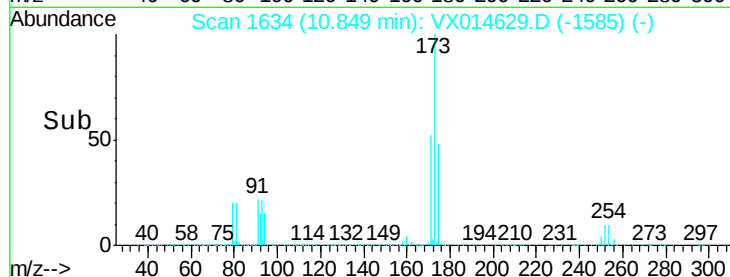
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

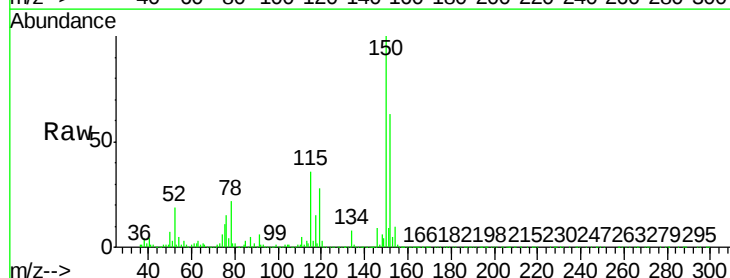
Tgt Ion:152 Resp: 324331

Ion Ratio Lower Upper

152 100

115 79.2 39.5 118.3

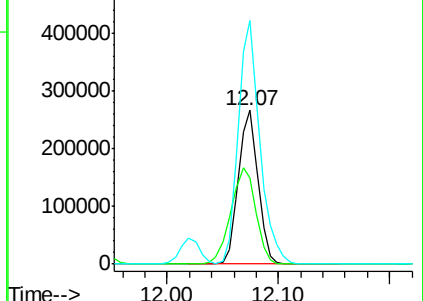
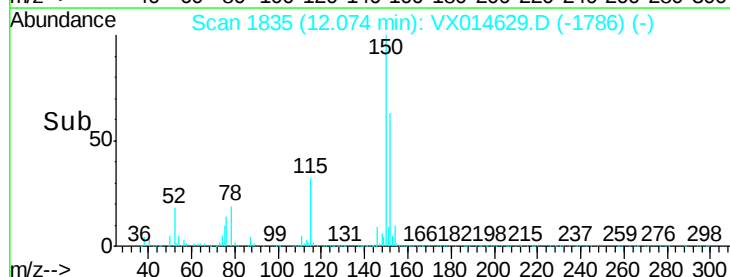
150 173.9 0.0 350.2

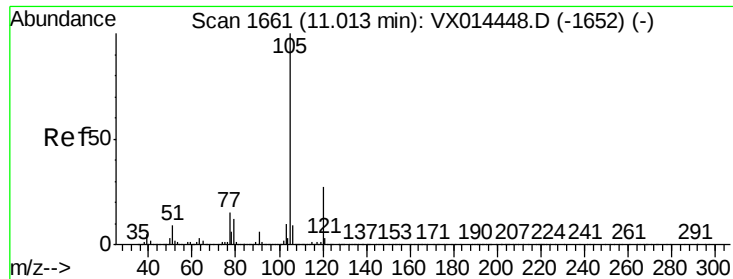


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.209 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

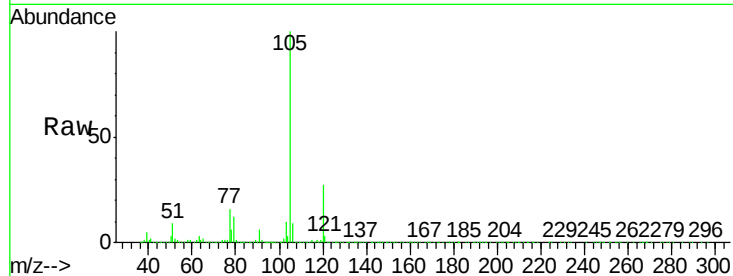
VSTDCCC050

Tgt Ion:105 Resp: 1166285

Ion Ratio Lower Upper

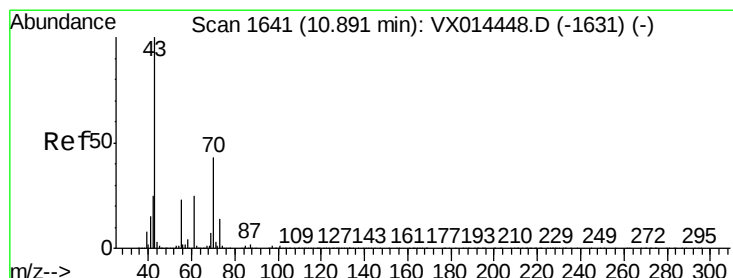
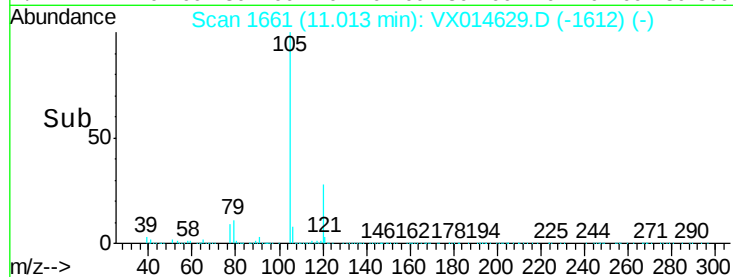
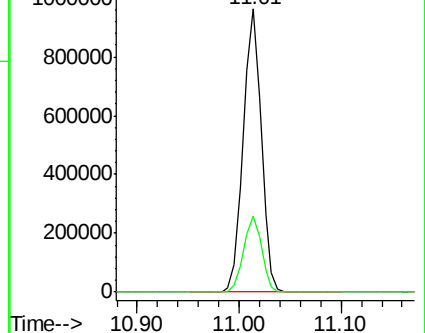
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.178 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Tgt Ion: 43 Resp: 504195

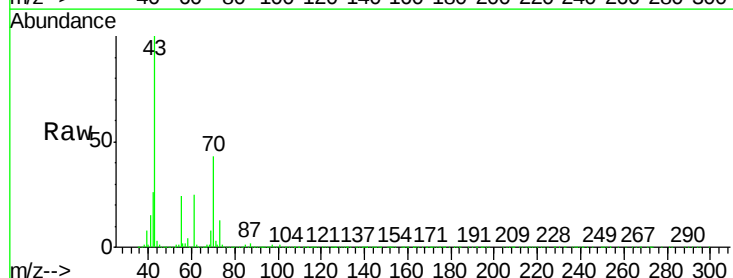
Ion Ratio Lower Upper

43 100

70 42.5 35.1 52.7

55 24.4 19.3 28.9

61 24.5 20.0 30.0

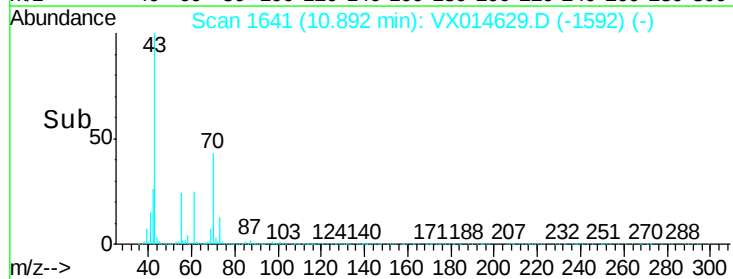
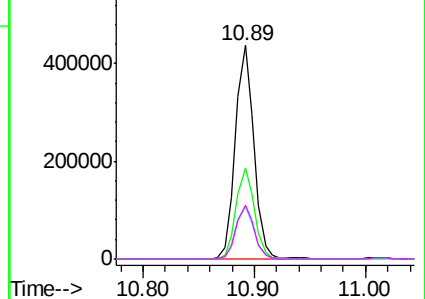


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.882 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

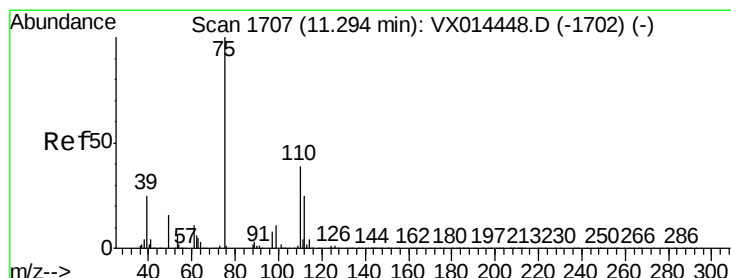
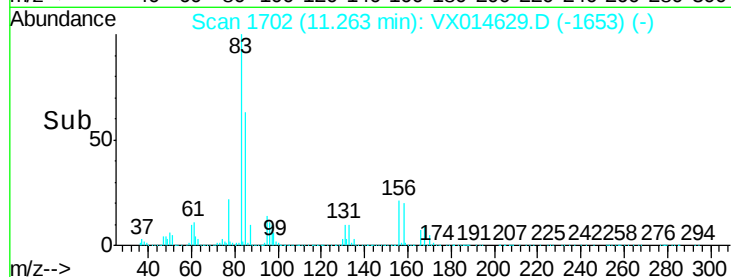
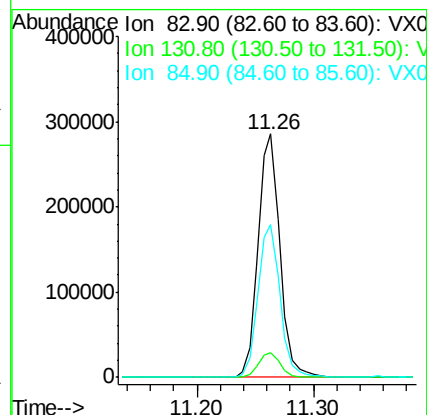
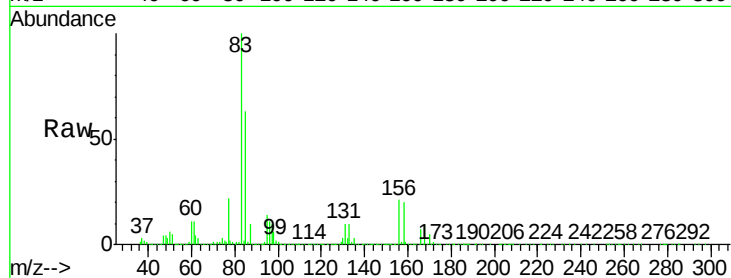
Tgt Ion: 83 Resp: 371636

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

85 63.7 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 64.846 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014629.D

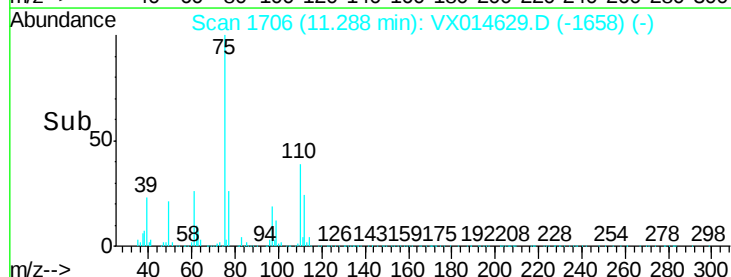
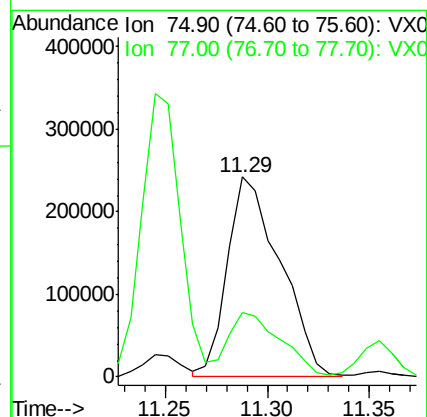
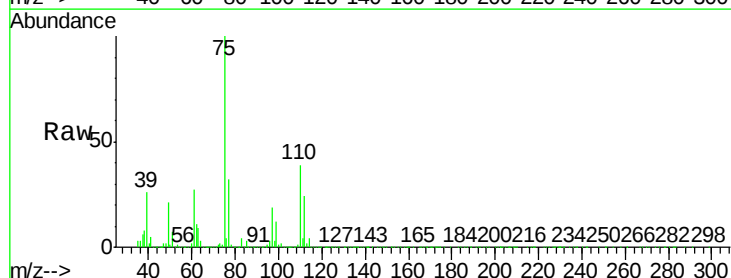
Acq: 16 Jan 2020 10:46

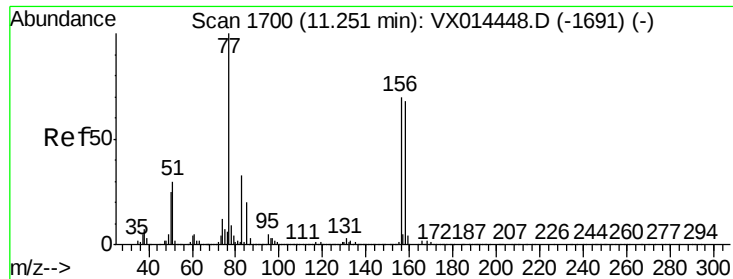
Tgt Ion: 75 Resp: 435146

Ion Ratio Lower Upper

75 100

77 32.5 21.9 65.7





#77

Bromobenzene

Concen: 47.992 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

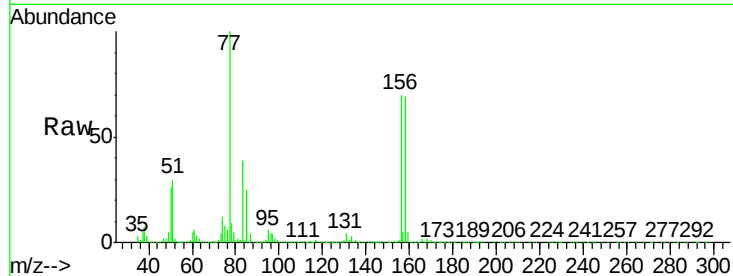
Tgt Ion: 156 Resp: 303119

Ion Ratio Lower Upper

156 100

77 149.1 75.4 226.3

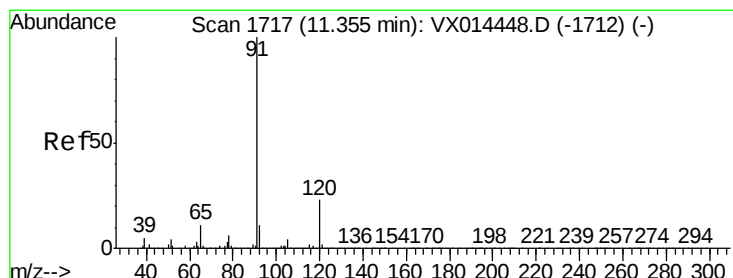
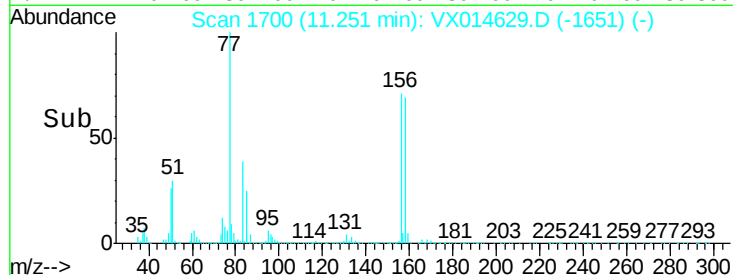
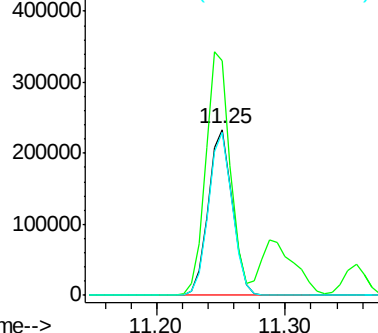
158 97.5 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.315 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014629.D

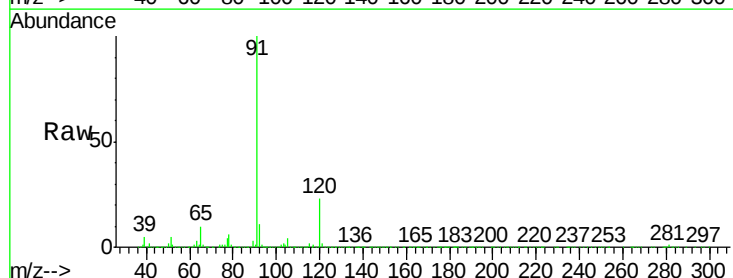
Acq: 16 Jan 2020 10:46

Tgt Ion: 91 Resp: 1338438

Ion Ratio Lower Upper

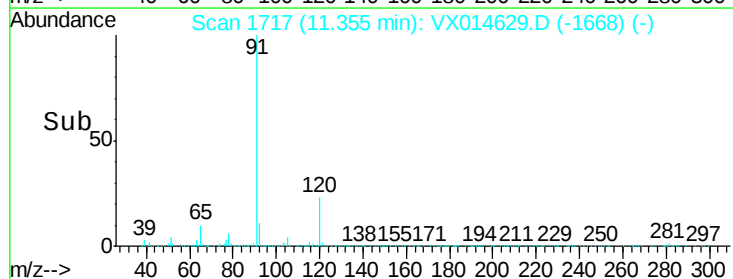
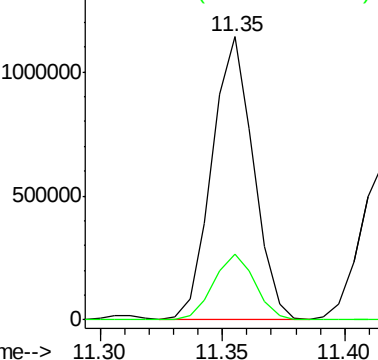
91 100

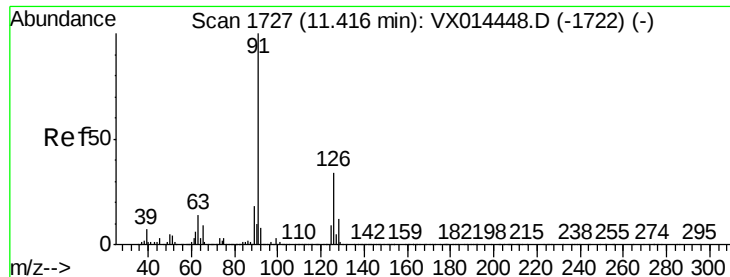
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

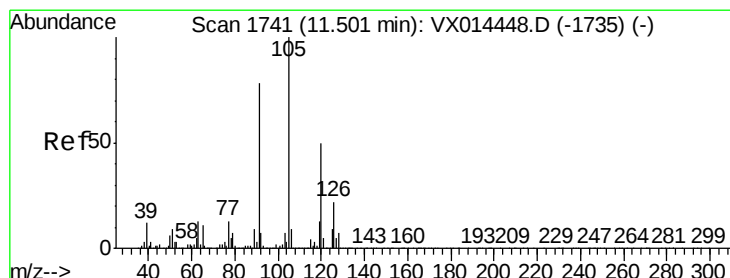
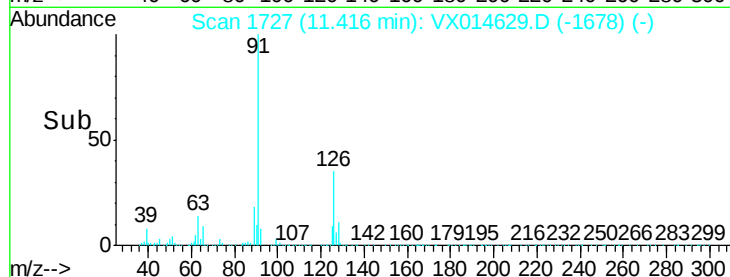
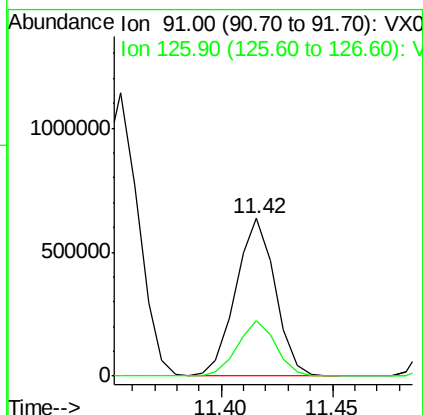
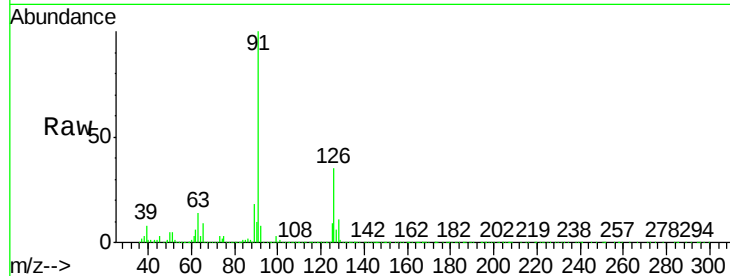




#79  
2-Chlorotoluene  
Concen: 50.144 ug/l  
RT: 11.42 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

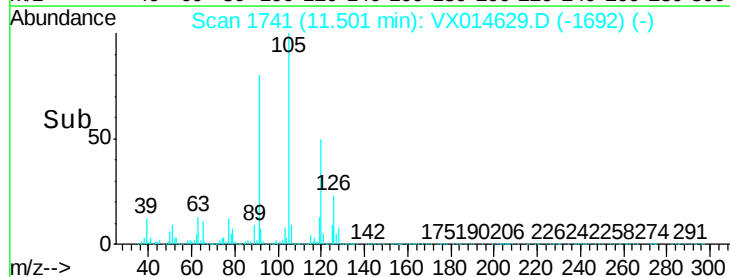
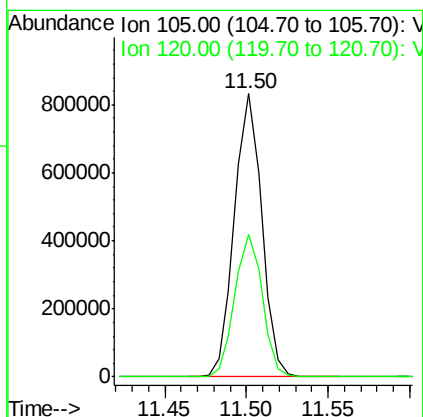
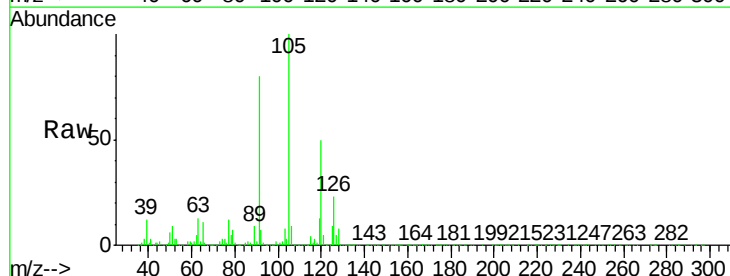
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

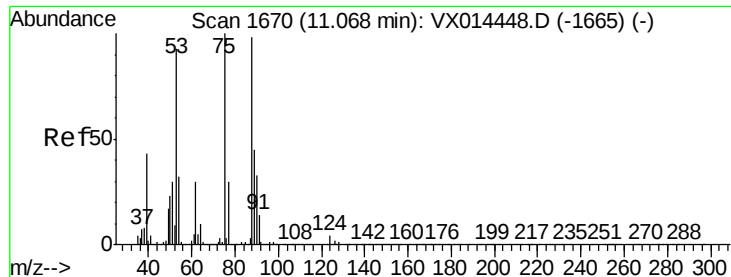
Tgt Ion: 91 Resp: 779498  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.5 52.5



#80  
1,3,5-Trimethylbenzene  
Concen: 51.504 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion: 105 Resp: 973877  
Ion Ratio Lower Upper  
105 100  
120 50.5 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.580 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

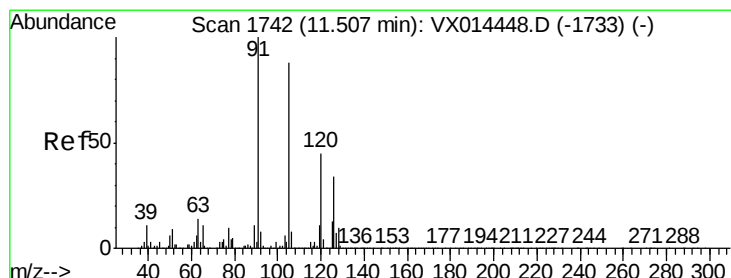
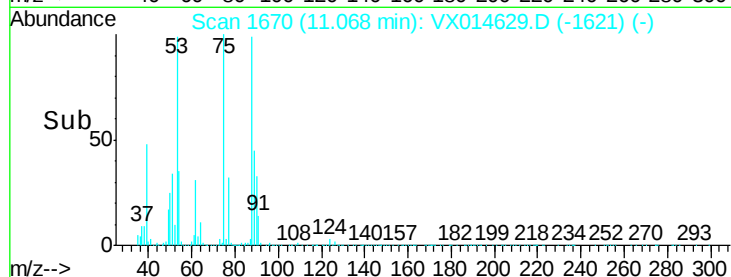
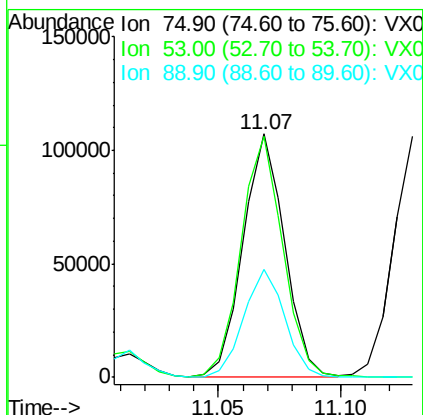
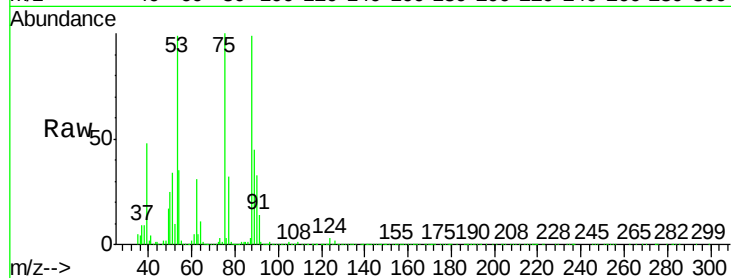
Tgt Ion: 75 Resp: 125844

Ion Ratio Lower Upper

75 100

53 99.3 74.8 112.2

89 44.7 36.3 54.5



#82

4-Chlorotoluene

Concen: 49.943 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014629.D

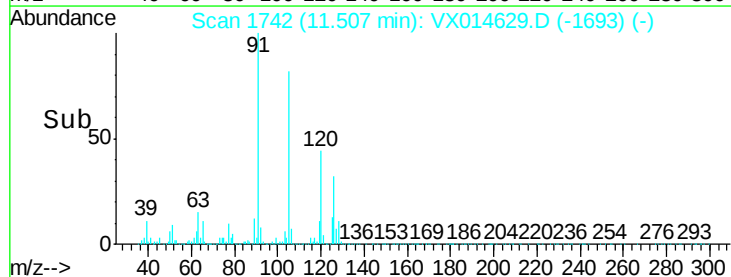
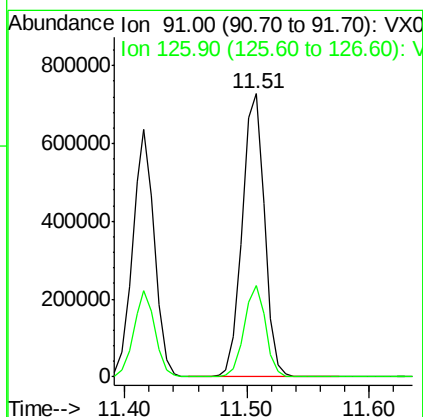
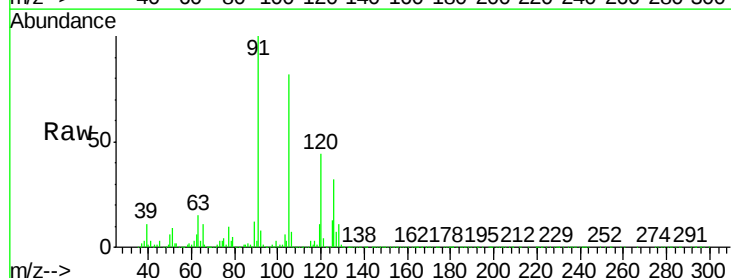
Acq: 16 Jan 2020 10:46

Tgt Ion: 91 Resp: 911315

Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.7

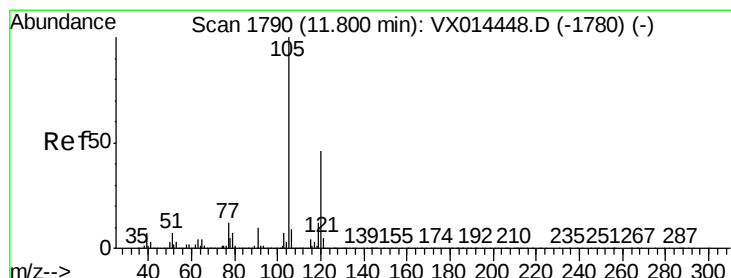
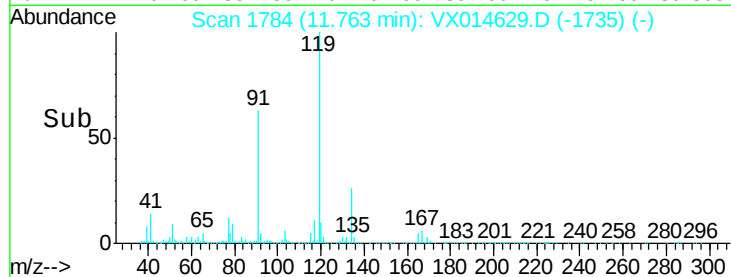
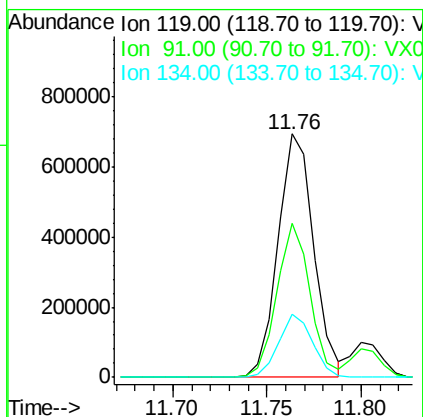
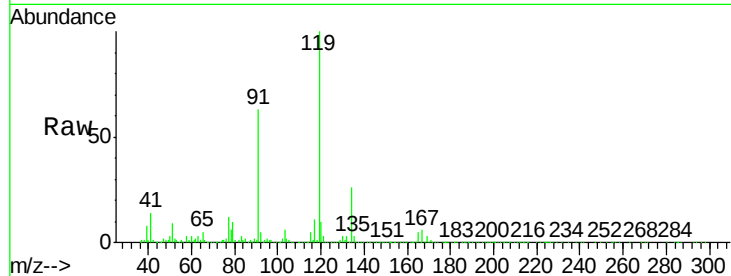




#83  
tert-Butylbenzene  
Concen: 50.938 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

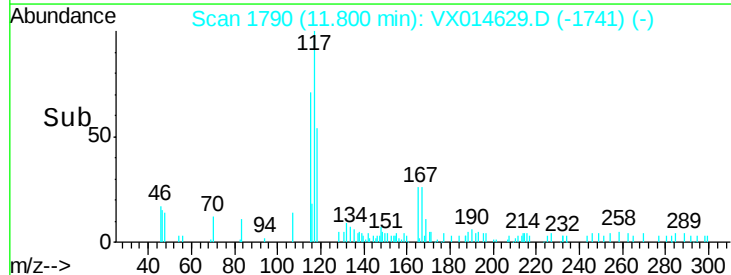
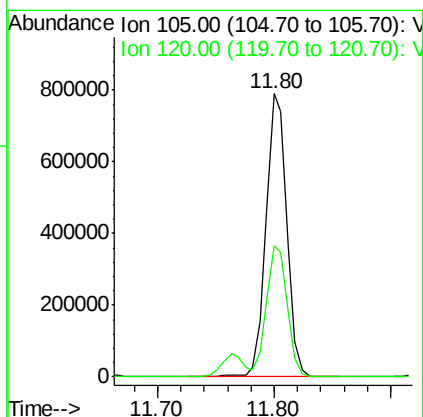
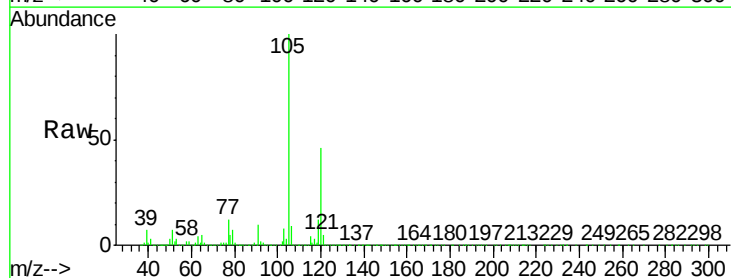
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

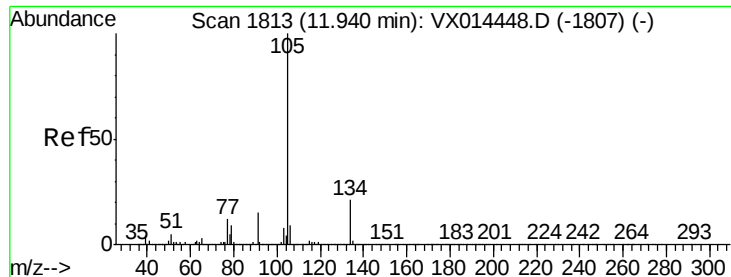
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 58.9  | 29.3  | 88.0  |
| 134     | 24.7  | 12.4  | 37.4  |



#84  
1,2,4-Trimethylbenzene  
Concen: 51.180 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.2  | 23.1  | 69.3  |

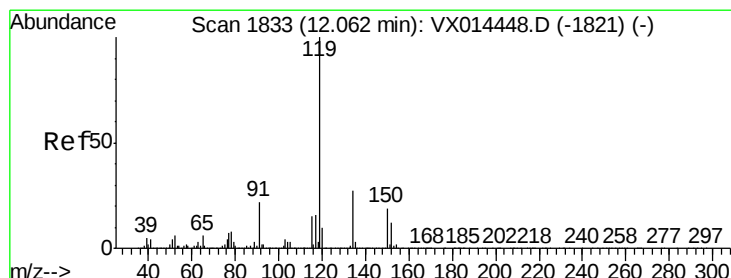
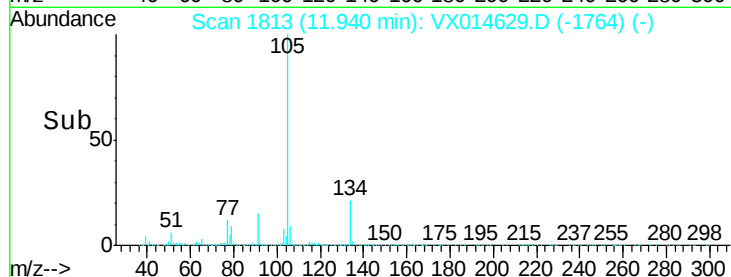
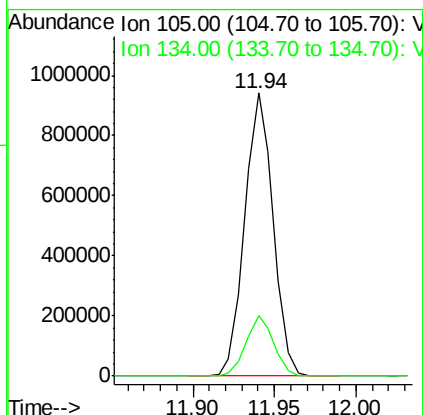
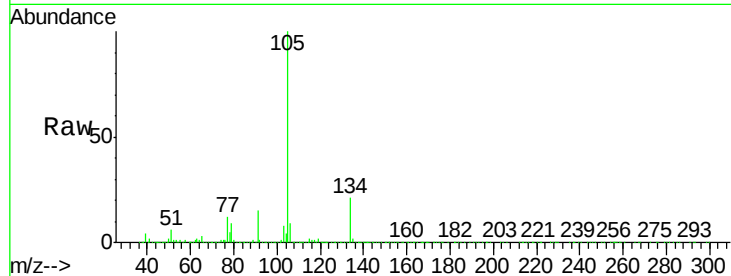




#85  
 sec-Butylbenzene  
 Concen: 51.445 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

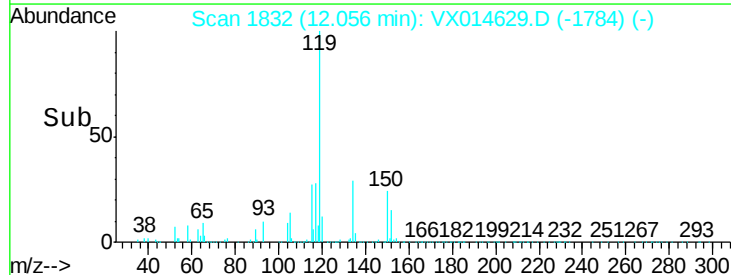
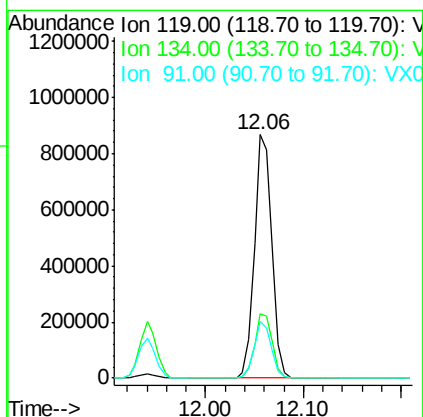
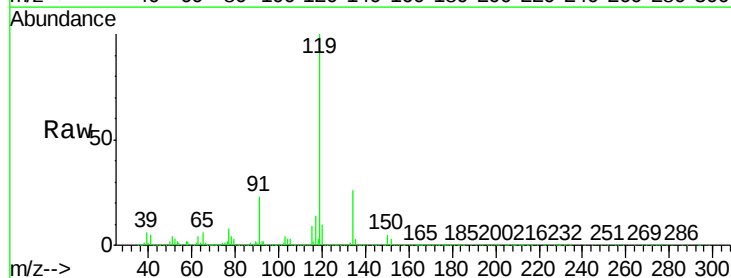
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

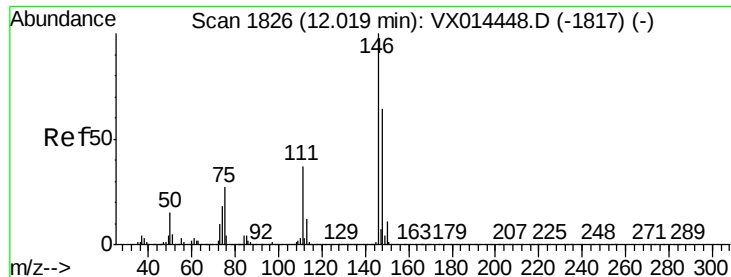
Tgt Ion:105 Resp: 1142608  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 10.5 31.5



#86  
 p-Isopropyltoluene  
 Concen: 51.425 ug/l  
 RT: 12.06 min Scan# 1832  
 Delta R.T. -0.01 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

Tgt Ion:119 Resp: 1059869  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.5 40.4  
 91 22.7 11.1 33.3

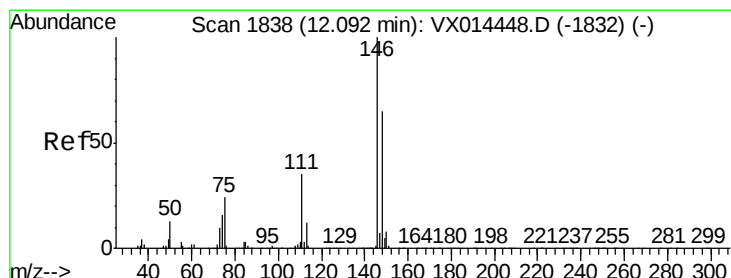
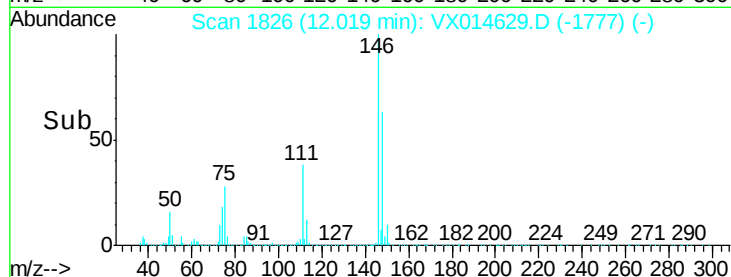
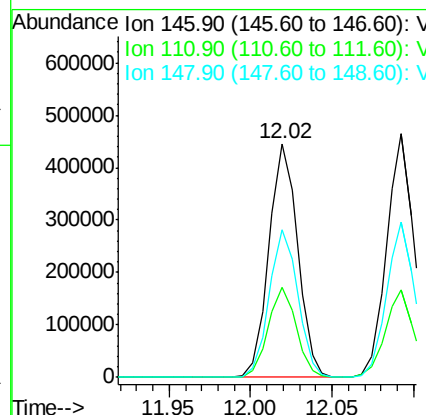
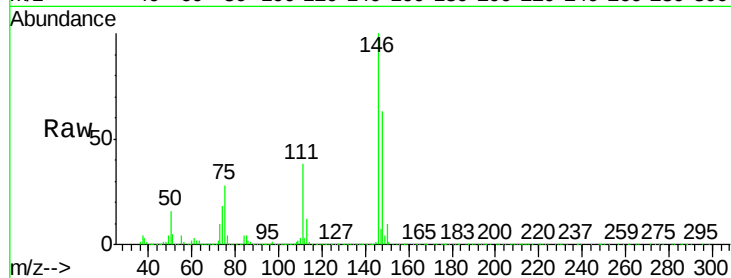




#87  
 1,3-Dichlorobenzene  
 Concen: 47.898 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

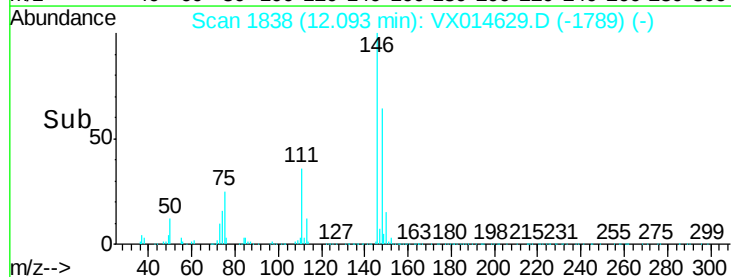
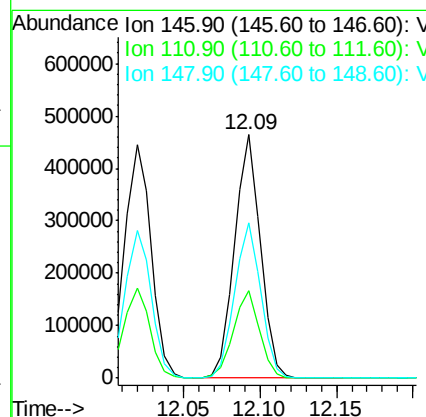
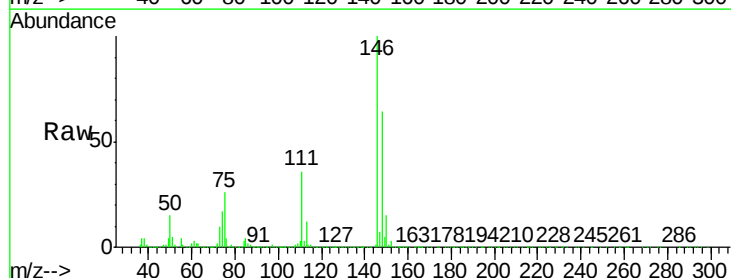
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

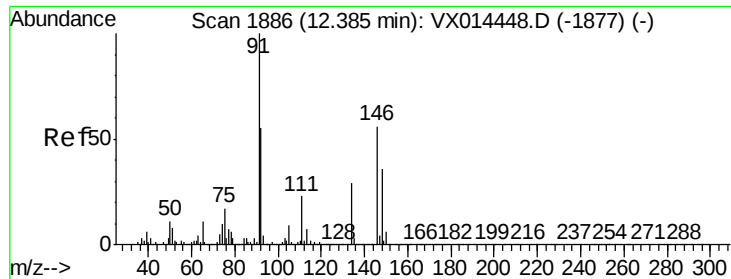
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 18.9  | 56.7  |
| 148     | 62.9  | 32.2  | 96.6  |



#88  
 1,4-Dichlorobenzene  
 Concen: 51.037 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.1  | 54.1  |
| 148     | 64.4  | 32.1  | 96.3  |





#89

n-Butylbenzene

Concen: 49.893 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

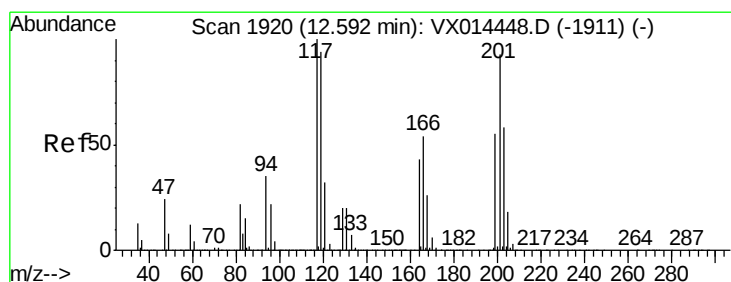
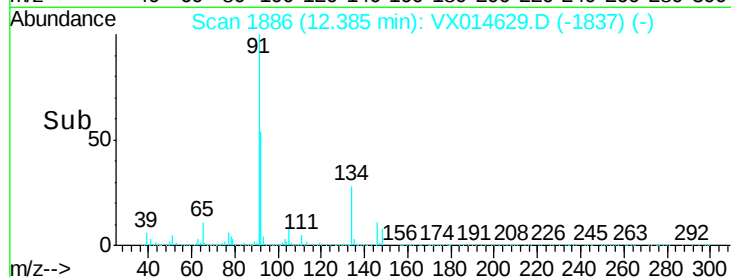
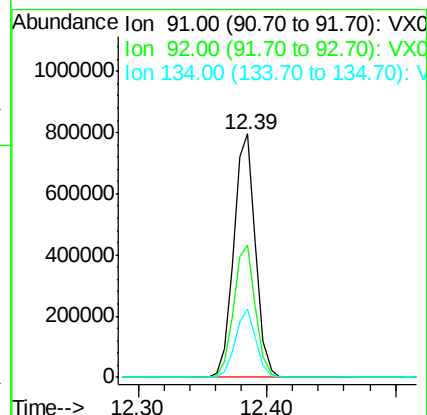
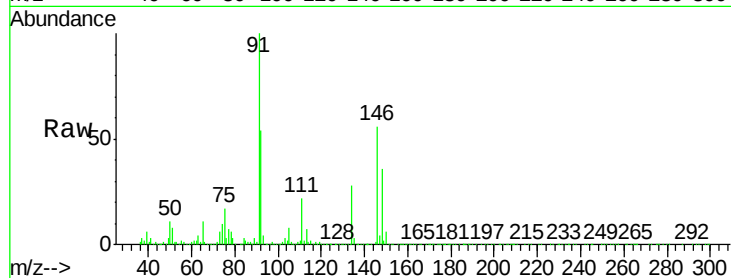
Tgt Ion: 91 Resp: 940206

Ion Ratio Lower Upper

91 100

92 54.3 27.4 82.2

134 26.8 13.9 41.7



#90

Hexachloroethane

Concen: 51.080 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014629.D

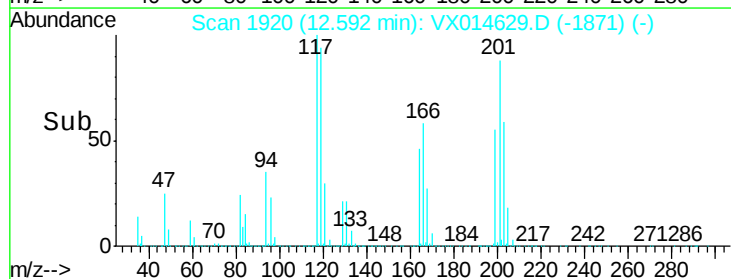
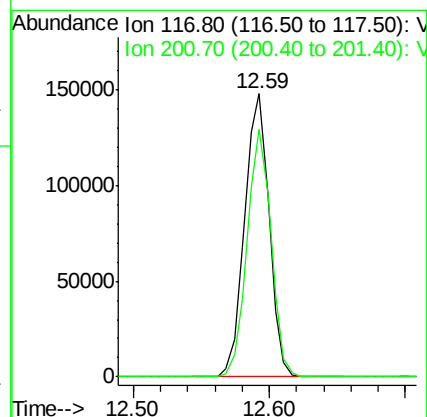
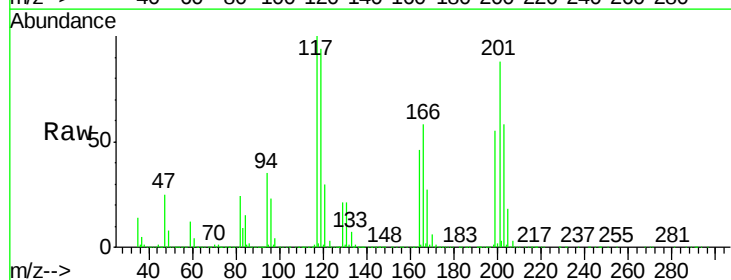
Acq: 16 Jan 2020 10:46

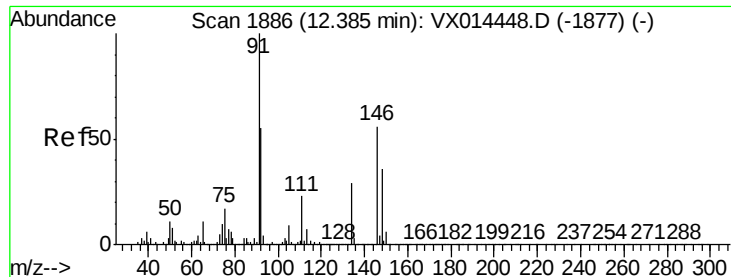
Tgt Ion: 117 Resp: 184922

Ion Ratio Lower Upper

117 100

201 86.0 44.8 134.3





#91

1,2-Dichlorobenzene

Concen: 48.483 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

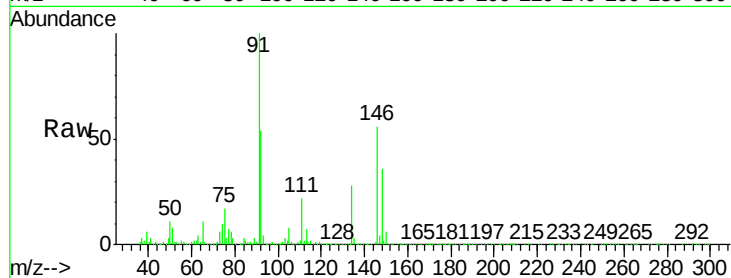
Tgt Ion:146 Resp: 538432

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.4

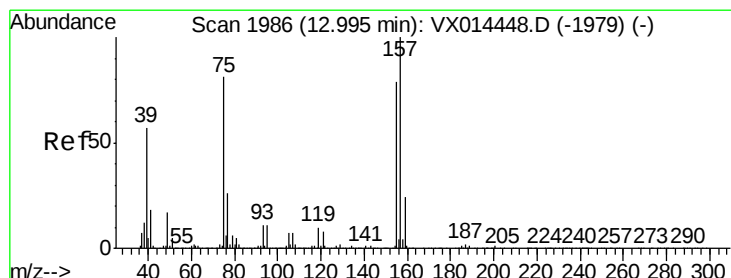
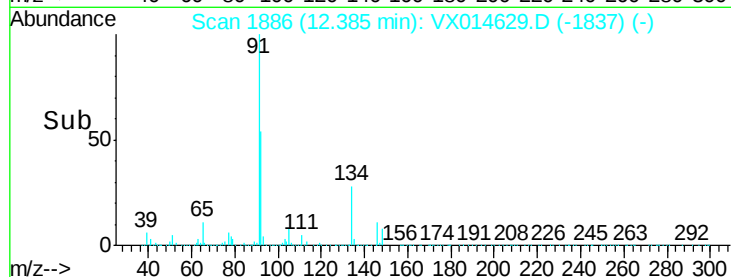
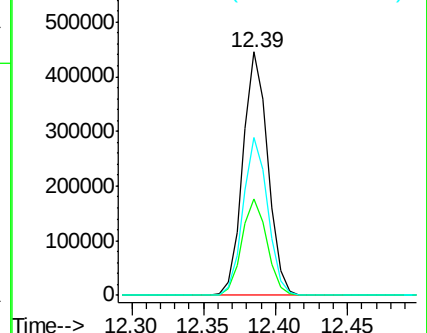
148 64.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.202 ug/l

RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014629.D

Acq: 16 Jan 2020 10:46

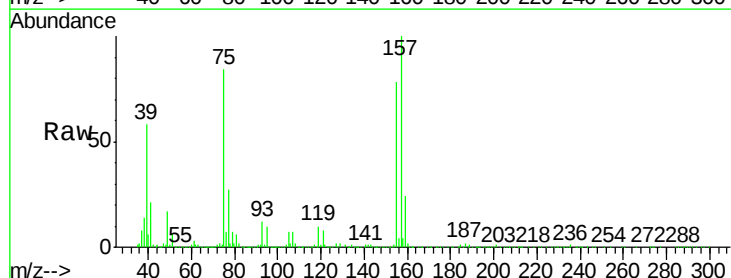
Tgt Ion: 75 Resp: 79192

Ion Ratio Lower Upper

75 100

155 93.6 48.7 146.1

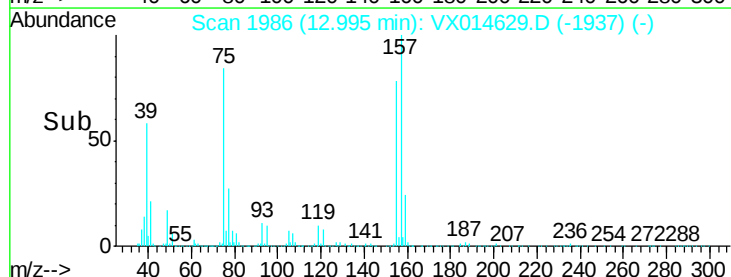
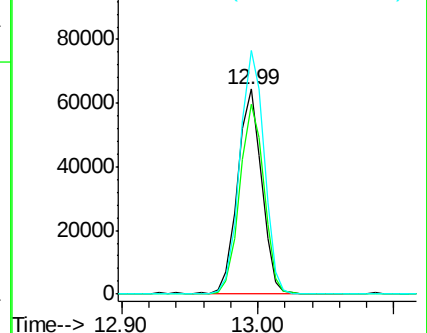
157 120.1 62.0 185.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

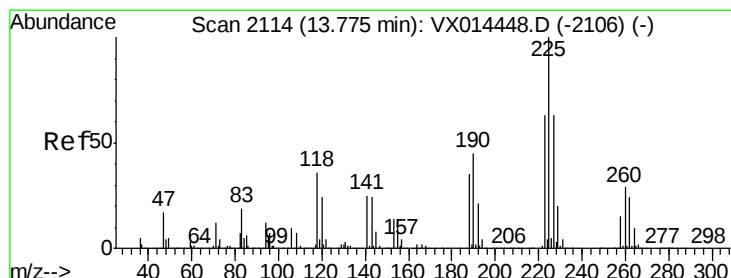
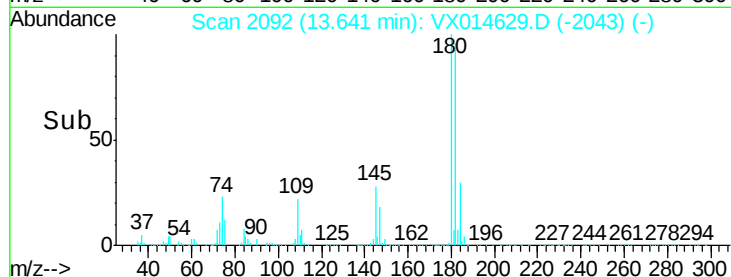
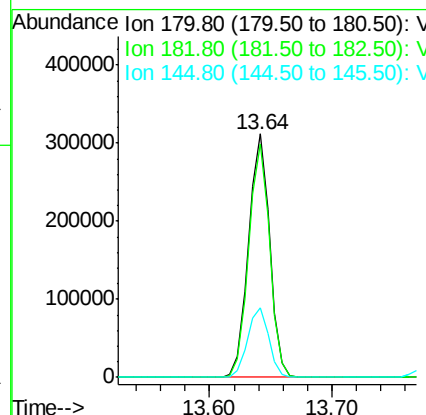
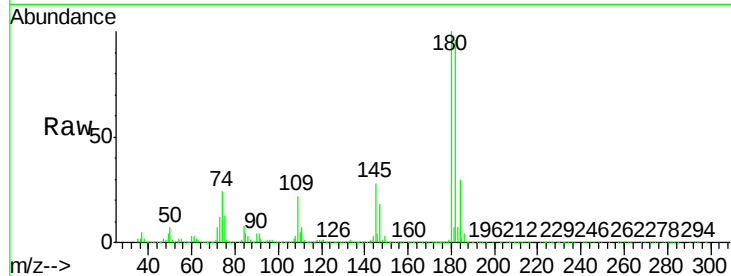




#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.702 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

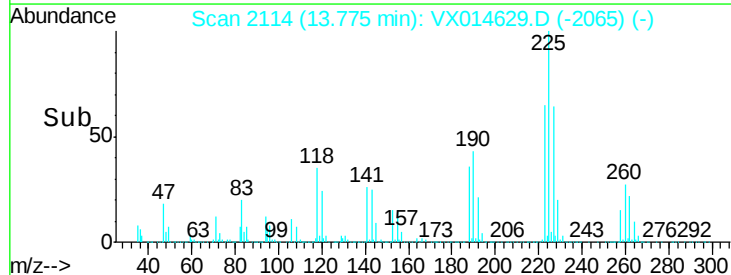
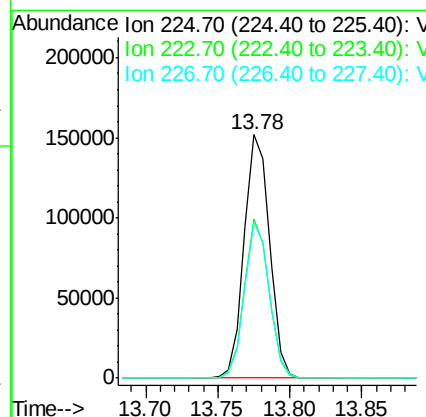
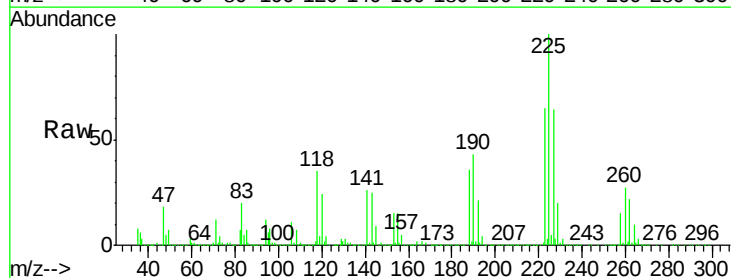
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

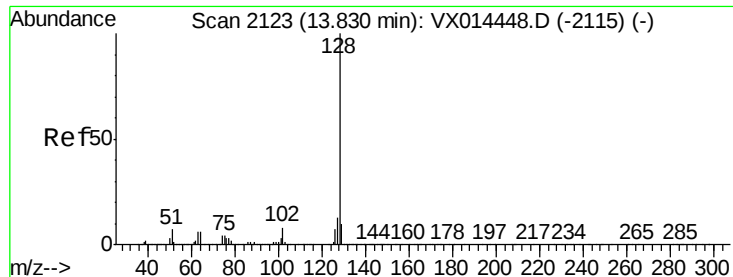
Tgt Ion:180 Resp: 371842  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 47.5 142.5  
 145 28.7 13.9 41.6



#94  
 Hexachlorobutadiene  
 Concen: 51.054 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX014629.D  
 Acq: 16 Jan 2020 10:46

Tgt Ion:225 Resp: 186377  
 Ion Ratio Lower Upper  
 225 100  
 223 63.4 31.1 93.2  
 227 62.4 31.4 94.2

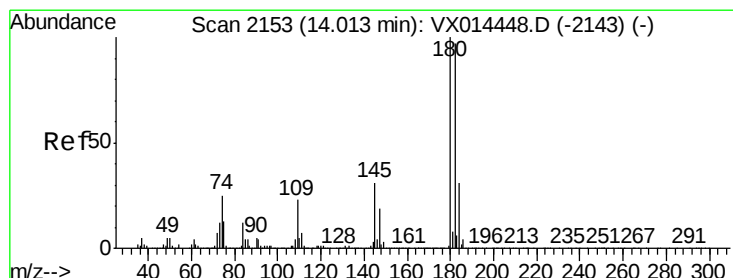
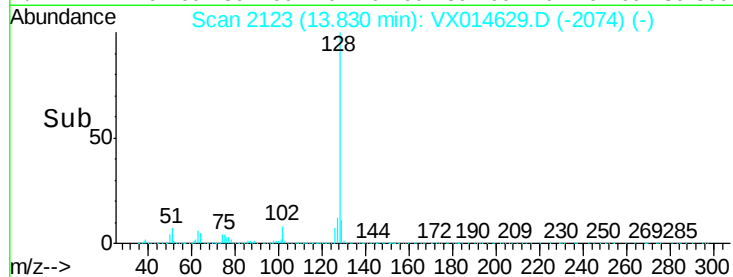
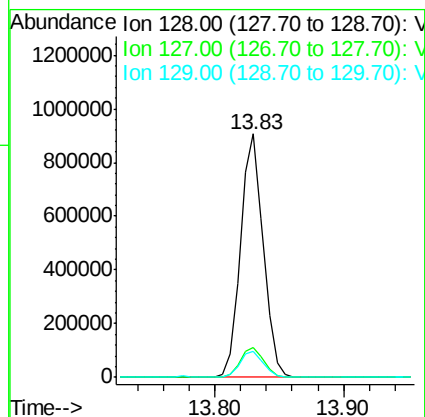
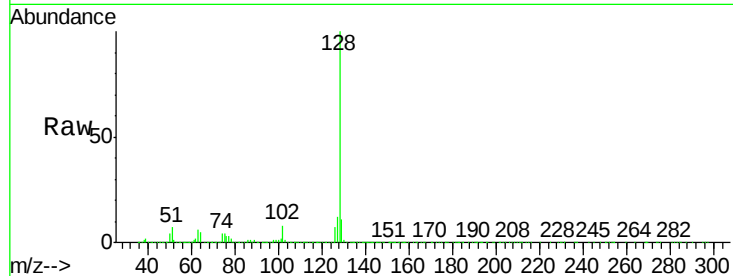




#95  
Naphthalene  
Concen: 45.613 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 1103482  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 11.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 48.488 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX014629.D  
Acq: 16 Jan 2020 10:46

Tgt Ion:180 Resp: 370969  
Ion Ratio Lower Upper  
180 100  
182 94.8 47.9 143.6  
145 30.4 14.8 44.3

