

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112619\  
 Data File : VX013601.D  
 Acq On : 26 Nov 2019 15:05  
 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 26 15:26:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:03:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 672685   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1023653  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 942968   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 491755   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |        |         |      |
|-----------------------------|--------|-----|----------|--------|---------|------|
| System Monitoring Compounds |        |     |          |        |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 761938   | 96.79  | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 193.58% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 638769   | 100.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 201.50% |      |
| 50) Toluene-d8              | 8.71   | 98  | 2461596  | 102.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 205.56% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 911152   | 105.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 210.36% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 767304  | 100.095 | ug/l | 97     |
| 3) Chloromethane              | 1.31 | 50  | 830651  | 99.533  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 956920  | 100.918 | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 607475  | 93.390  | ug/l | 98     |
| 6) Chloroethane               | 1.70 | 64  | 512402  | 84.970  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 1005928 | 90.605  | ug/l | 99     |
| 8) Diethyl Ether              | 2.18 | 74  | 461263  | 93.643  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 615610  | 98.078  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 840472  | 107.861 | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.05 | 59  | 927315  | 449.301 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 629310  | 102.216 | ug/l | 96     |
| 13) Acrolein                  | 2.28 | 56  | 651902  | 562.768 | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 1168597 | 104.165 | ug/l | 99     |
| 15) Acrylonitrile             | 3.13 | 53  | 1978657 | 509.038 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 1850015 | 471.505 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 1783090 | 107.508 | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 1097086 | 100.829 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 2103918 | 102.811 | ug/l | 98     |
| 20) Methylene Chloride        | 2.84 | 84  | 706898  | 96.598  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 670879  | 100.101 | ug/l | 97     |
| 22) Diisopropyl ether         | 3.84 | 45  | 2218448 | 102.934 | ug/l | 98     |
| 23) Vinyl Acetate             | 3.80 | 43  | 9359838 | 509.172 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 1221995 | 101.327 | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 2902572 | 503.399 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 1000418 | 103.849 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 774903  | 103.133 | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 494089  | 134.997 | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 1805993 | 509.448 | ug/l | 100    |
| 30) Chloroform                | 5.20 | 83  | 1184017 | 99.556  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 1108349 | 101.330 | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 1025104 | 100.379 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 923612  | 105.573 | ug/l | 99     |
| 37) Ethyl Acetate             | 4.82 | 43  | 1071072 | 99.841  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 885424  | 104.169 | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX112619\  
 Data File : VX013601.D  
 Acq On : 26 Nov 2019 15:05  
 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 26 15:26:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:03:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 1134733  | 103.641  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 2774347  | 101.741  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 601531   | 100.035  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 956305   | 98.534   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 1759742  | 105.138  | ug/l   | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 756316   | 100.592  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 716076   | 103.237  | ug/l   | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 474399   | 100.653  | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.89  | 83   | 944415   | 106.064  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 894429   | 107.456  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 385172   | 2026.027 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 5519789  | 505.715  | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 1739973  | 102.924  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 1093336  | 111.869  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 1188170  | 108.482  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 710063   | 101.768  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 1217764  | 112.746  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 1205084  | 101.729  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 2299130  | 492.538  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 4413403  | 523.388  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 782181   | 109.564  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 755098   | 102.183  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 658060   | 97.815   | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 1907346  | 100.261  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 716387   | 102.775  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 3353117  | 102.009  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.35 | 106  | 2570497  | 207.312  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 1261068  | 103.474  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 2195080  | 108.044  | ug/l   | 100      |
| 71) Bromoform                  | 10.85 | 173  | 638895   | 113.272  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 3287831  | 100.691  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 1632458  | 108.355  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 1159671  | 97.903   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 1362684  | 133.173  | ug/l   | 89       |
| 77) Bromobenzene               | 11.25 | 156  | 886782   | 101.878  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 3748087  | 103.266  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 2218351  | 101.464  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 2810538  | 103.661  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 424683   | 109.579  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 2593252  | 101.413  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 2844315  | 104.402  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 2815876  | 103.641  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 3241072  | 103.263  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 3017882  | 104.511  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 1573346  | 101.693  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 1568552  | 99.612   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 2670466  | 106.329  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 566022   | 109.866  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 1559272  | 100.766  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 269299   | 94.250   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112619\  
Data File : VX013601.D  
Acq On : 26 Nov 2019 15:05  
Operator : JC/SP  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

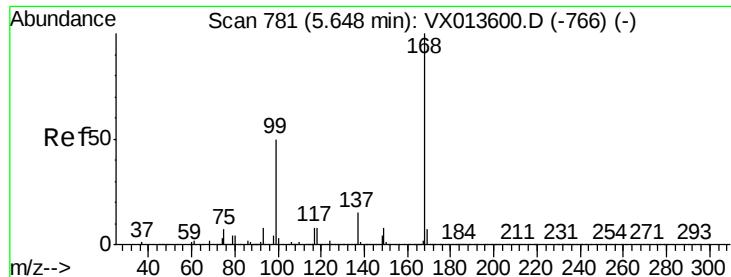
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Quant Time: Nov 26 15:26:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:03:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 1119267  | 103.935 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 511668   | 98.035  | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 3489729  | 104.524 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 1125083  | 104.718 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

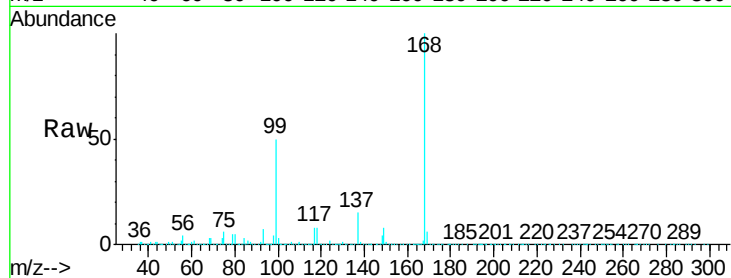
VSTDIC100

Tgt Ion:168 Resp: 672685

Ion Ratio Lower Upper

168 100

99 49.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

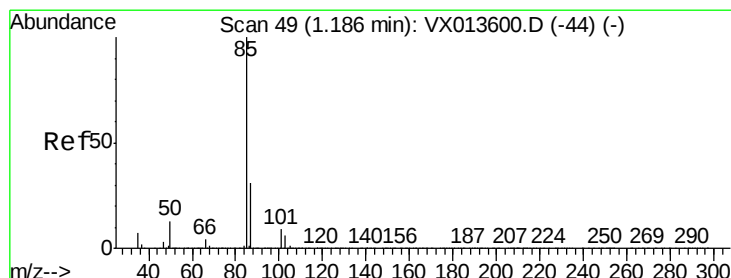
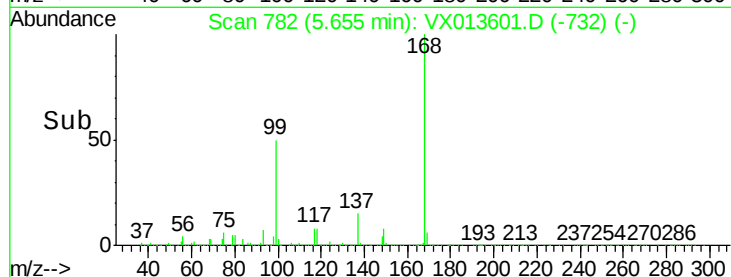
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 100.095 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013601.D

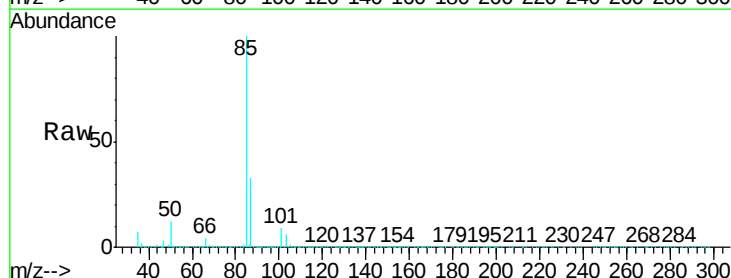
Acq: 26 Nov 2019 15:05

Tgt Ion: 85 Resp: 767304

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

800000

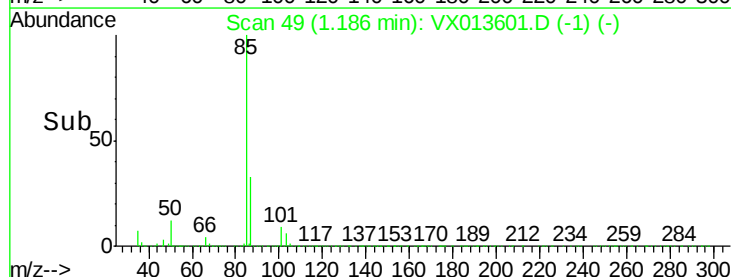
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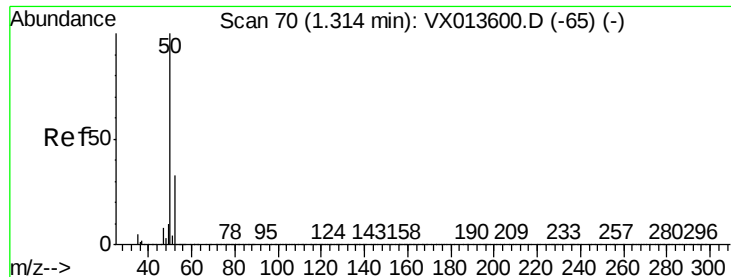
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Time-->

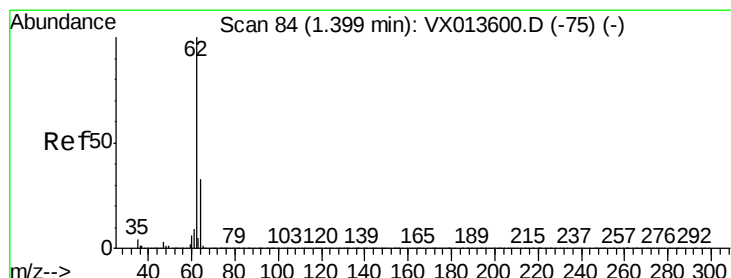
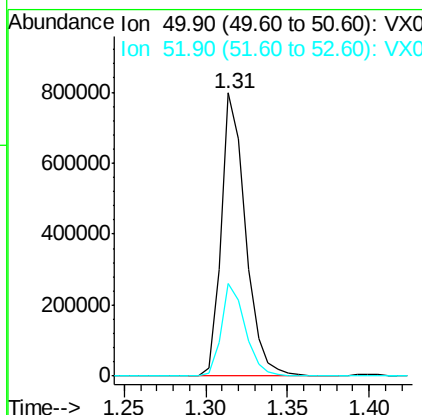
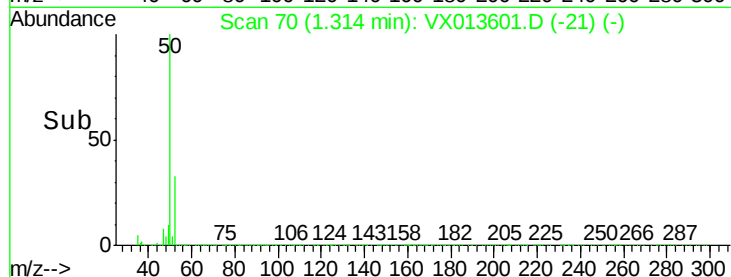
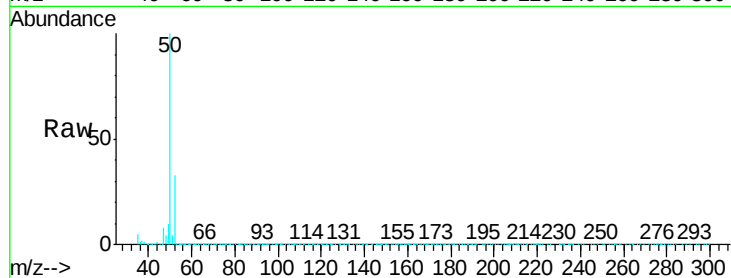




#3  
Chloromethane  
Concen: 99.533 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

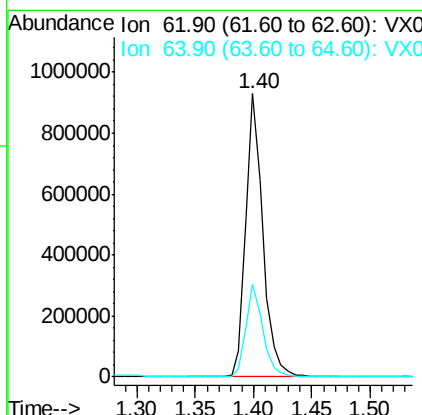
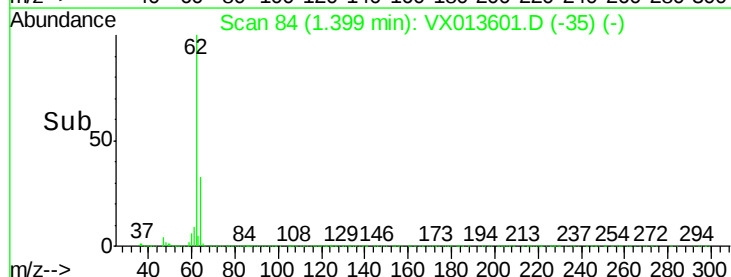
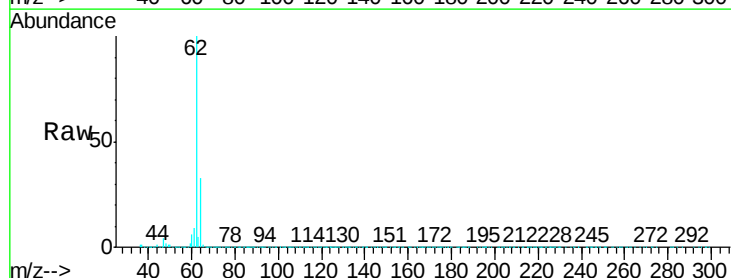
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 50 Resp: 830651  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.0 39.0



#4  
Vinyl Chloride  
Concen: 100.918 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 62 Resp: 956920  
Ion Ratio Lower Upper  
62 100  
64 32.5 26.0 39.0





#5

Bromomethane

Concen: 93.390 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

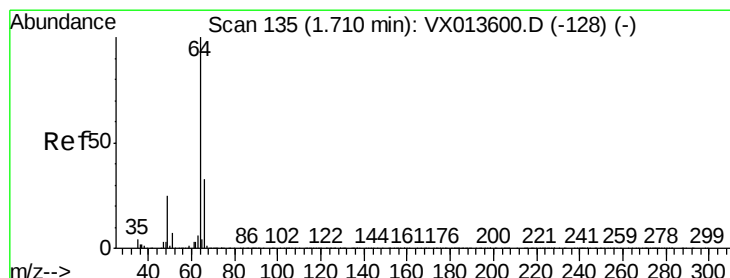
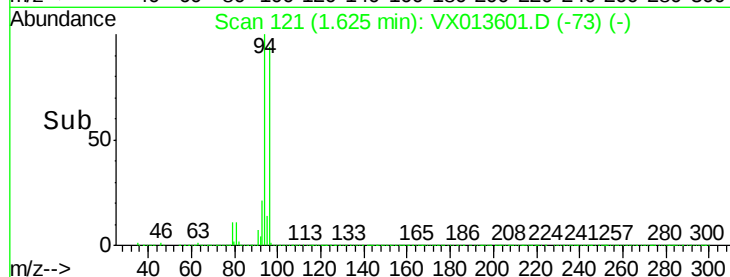
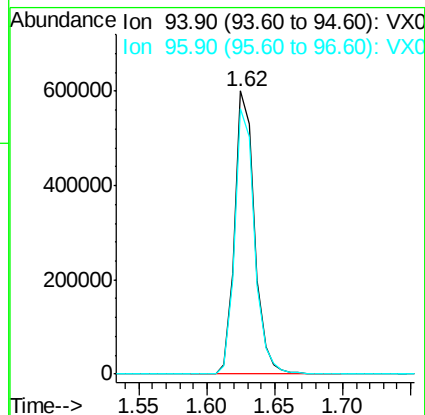
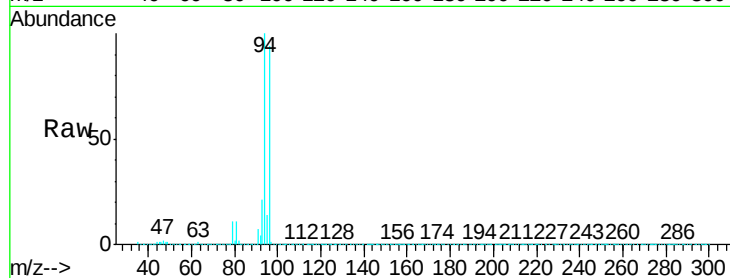
VSTDIC100

Tgt Ion: 94 Resp: 607475

Ion Ratio Lower Upper

94 100

96 93.8 77.0 115.4



#6

Chloroethane

Concen: 84.970 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013601.D

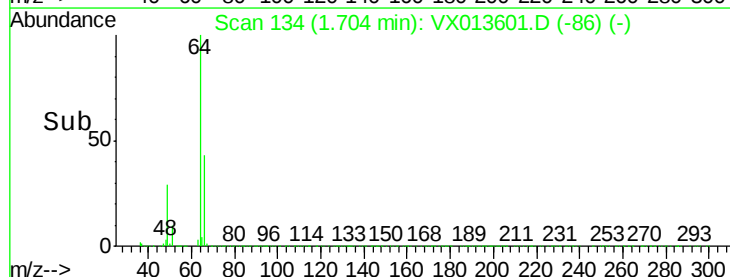
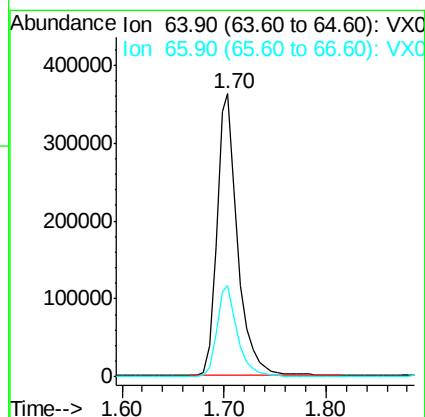
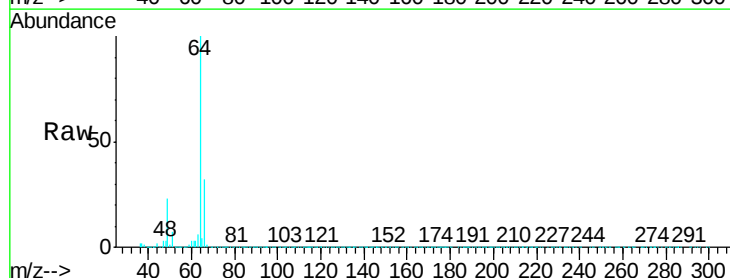
Acq: 26 Nov 2019 15:05

Tgt Ion: 64 Resp: 512402

Ion Ratio Lower Upper

64 100

66 32.3 26.7 40.1



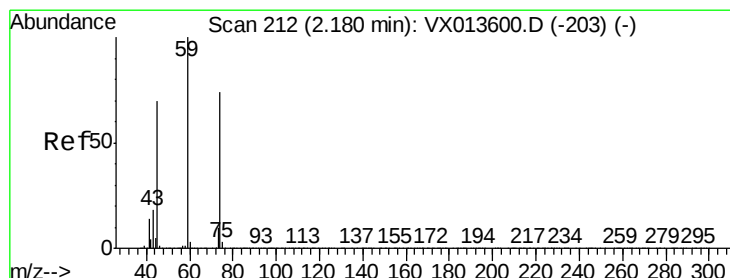
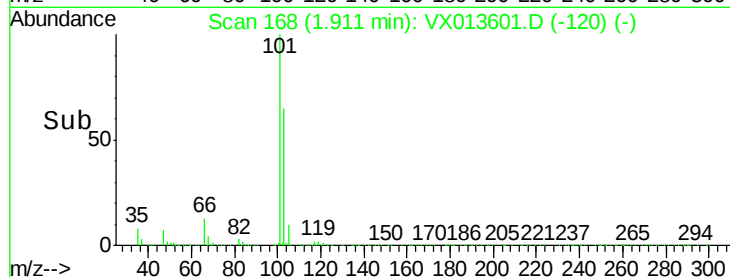
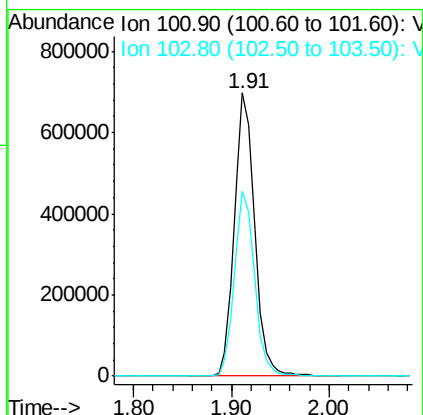
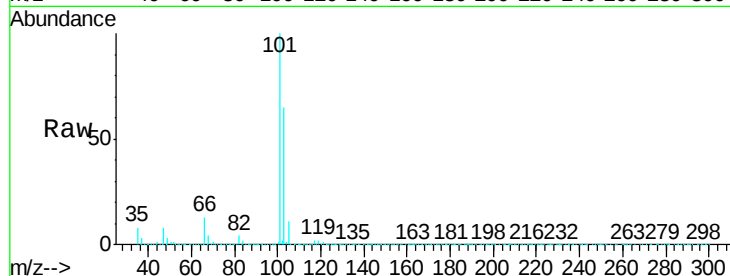


#7

Trichlorofluoromethane  
 Concen: 90.605 ug/l  
 RT: 1.91 min Scan# 168  
 Delta R.T. -0.01 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

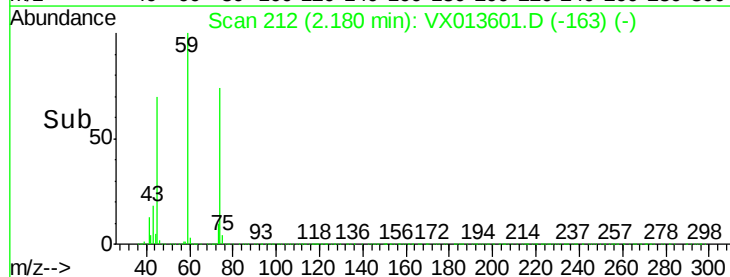
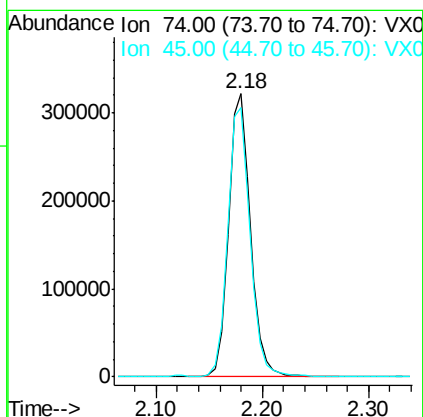
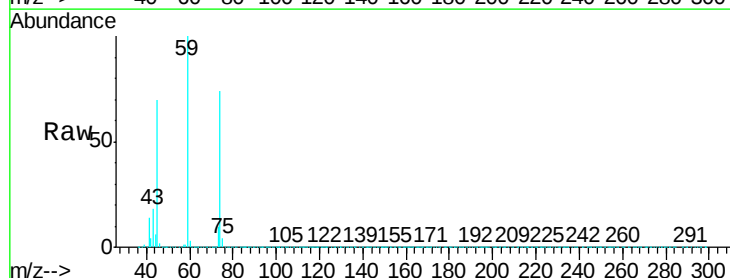
Tgt Ion:101 Resp: 1005928  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.8 77.6

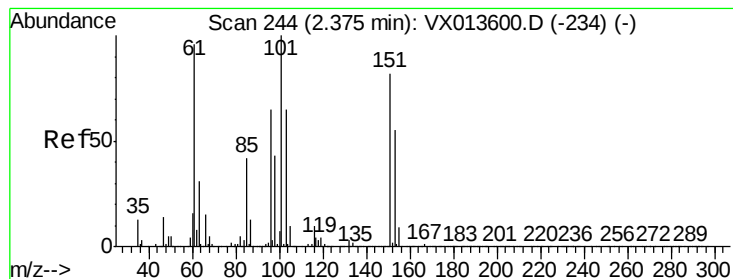


#8

Diethyl Ether  
 Concen: 93.643 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

Tgt Ion: 74 Resp: 461263  
 Ion Ratio Lower Upper  
 74 100  
 45 97.7 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.078 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

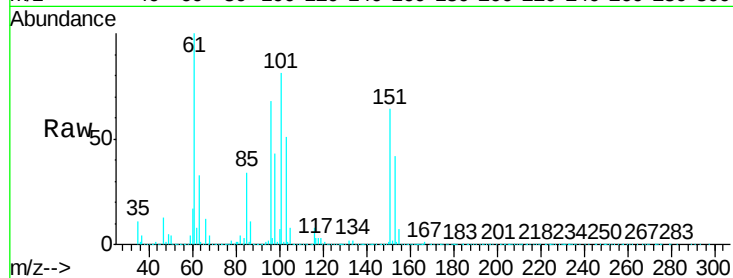
Tgt Ion:101 Resp: 615610

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

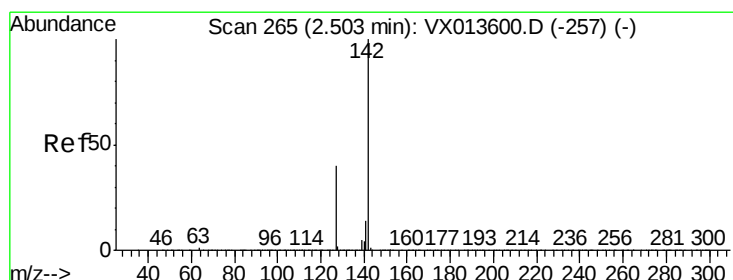
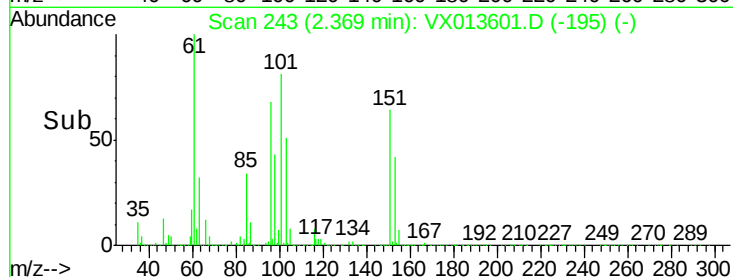
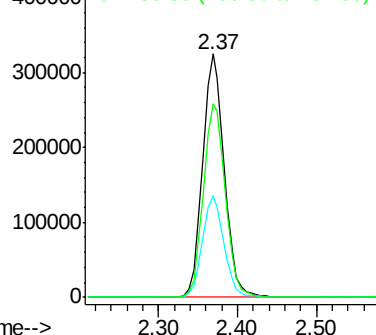
151 81.2 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 107.861 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

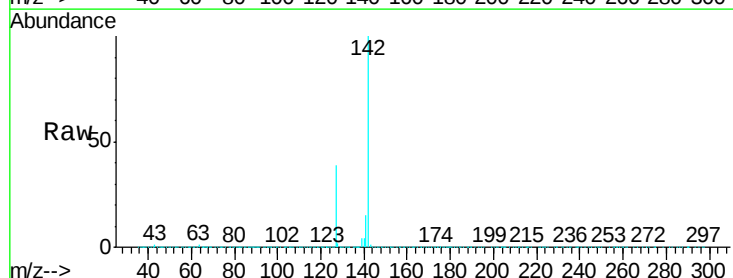
Tgt Ion:142 Resp: 840472

Ion Ratio Lower Upper

142 100

127 39.2 31.0 46.4

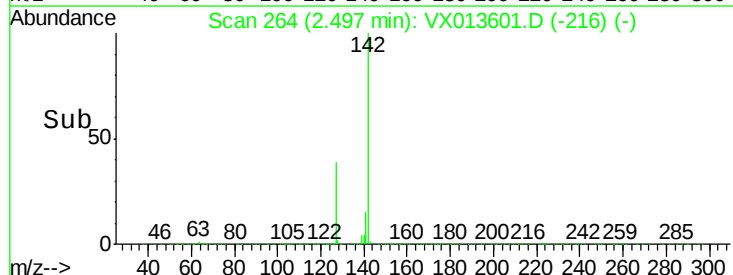
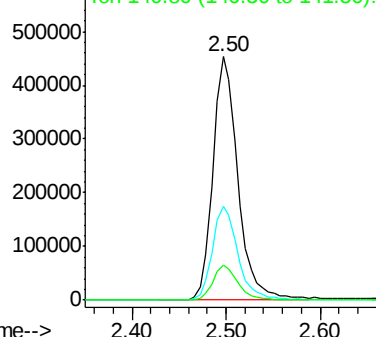
141 14.4 11.6 17.4

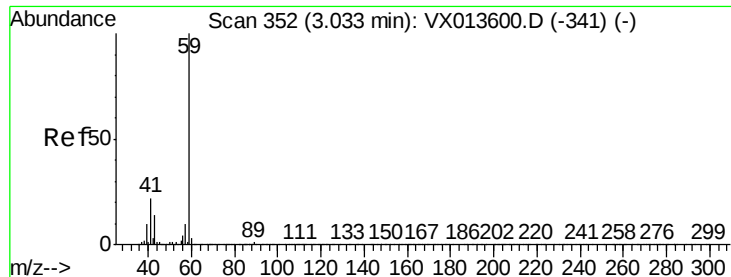


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



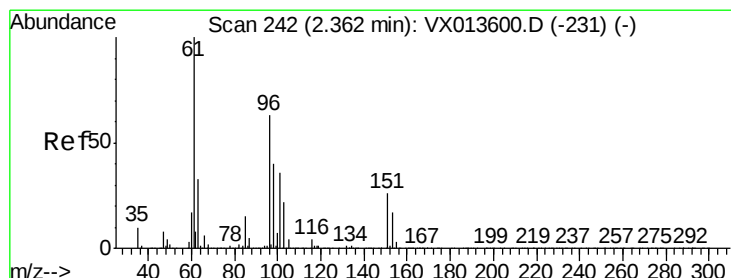
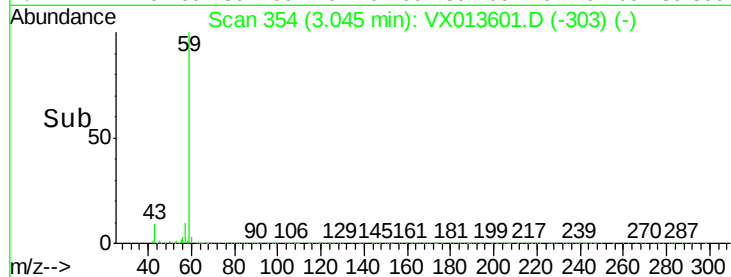
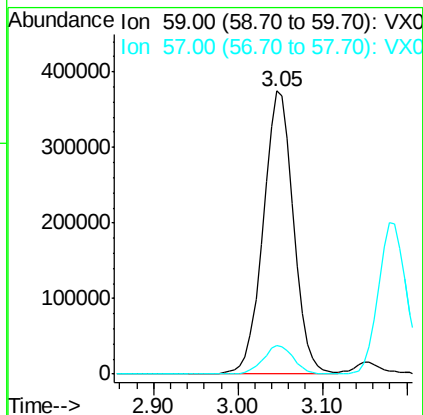
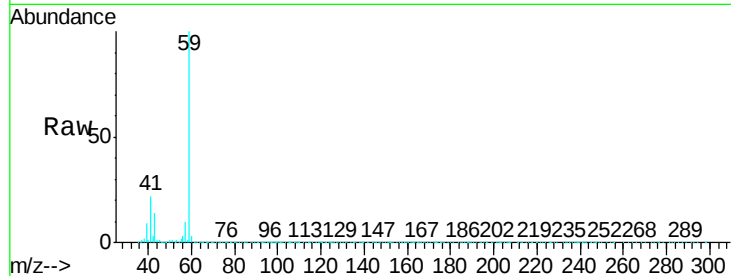


#11

Tert butyl alcohol  
Concen: 449.301 ug/l  
RT: 3.05 min Scan# 354  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

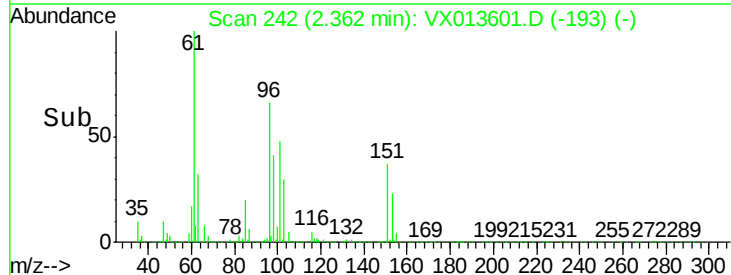
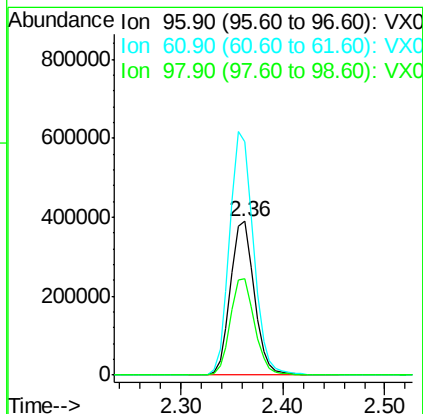
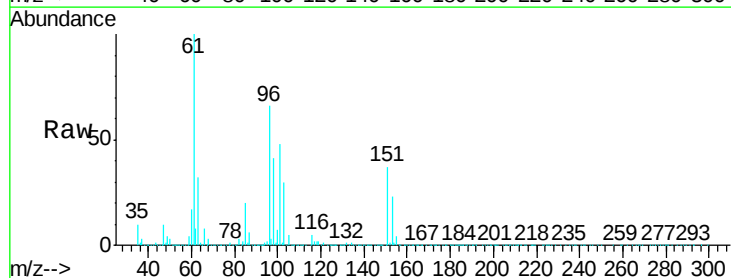
Tgt Ion: 59 Resp: 927315  
Ion Ratio Lower Upper  
59 100  
57 10.0 7.8 11.6

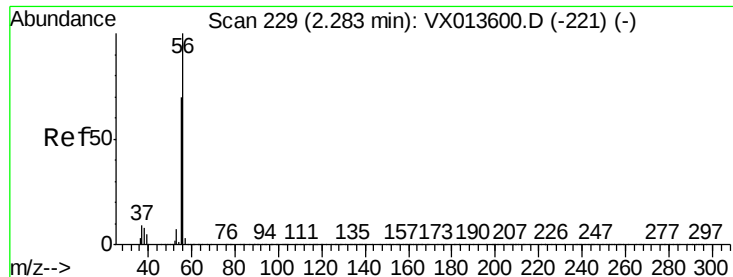


#12

1,1-Dichloroethene  
Concen: 102.216 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 96 Resp: 629310  
Ion Ratio Lower Upper  
96 100  
61 151.7 126.6 190.0  
98 62.6 50.6 76.0

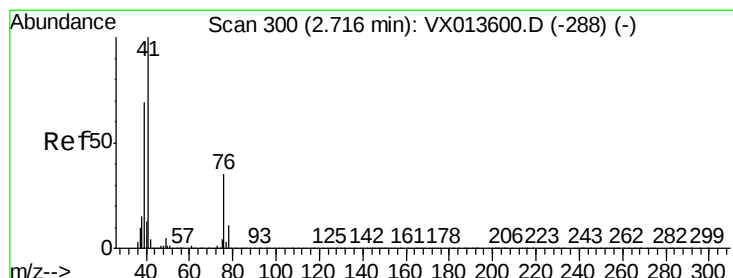
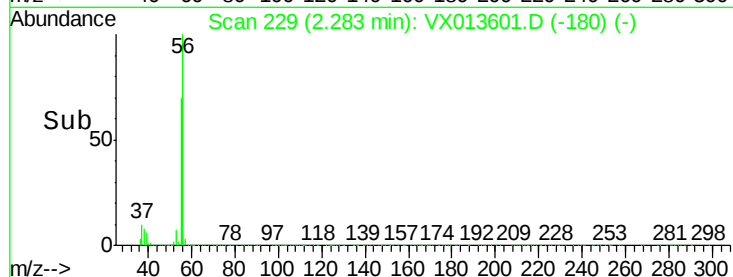
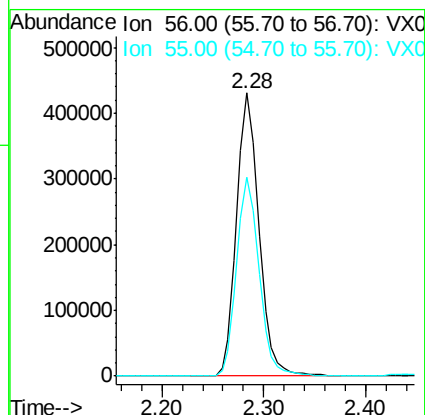
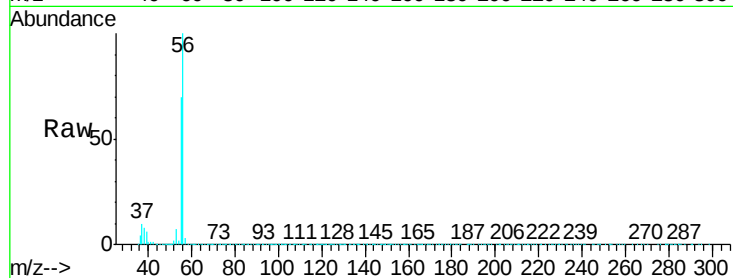




#13  
Acrolein  
Concen: 562.768 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

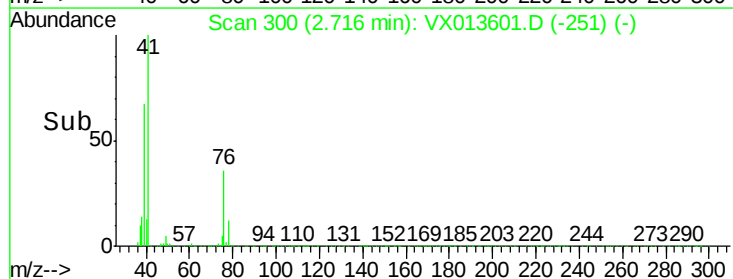
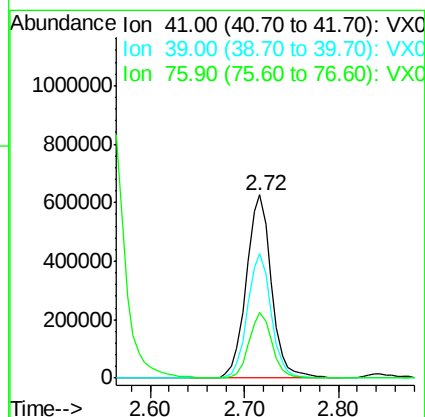
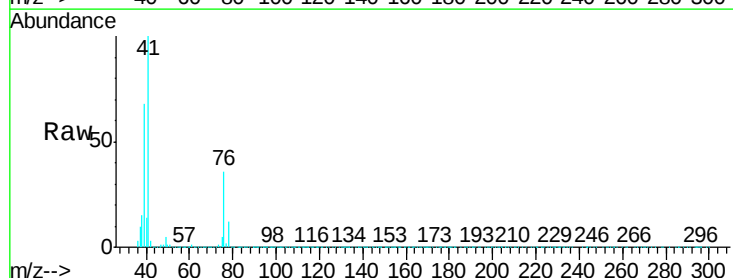
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

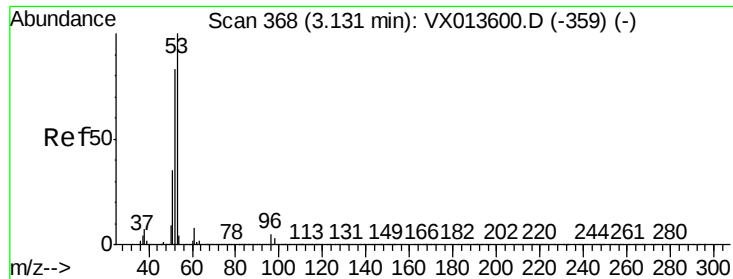
Tgt Ion: 56 Resp: 651902  
Ion Ratio Lower Upper  
56 100  
55 70.8 56.2 84.4



#14  
Allyl chloride  
Concen: 104.165 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 41 Resp: 1168597  
Ion Ratio Lower Upper  
41 100  
39 64.2 51.7 77.5  
76 32.9 25.9 38.9





#15

Acrylonitrile

Concen: 509.038 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

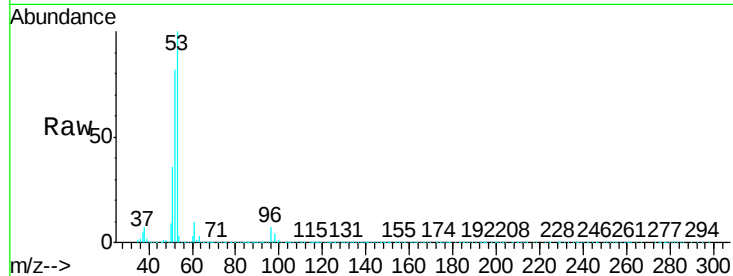
MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1978657

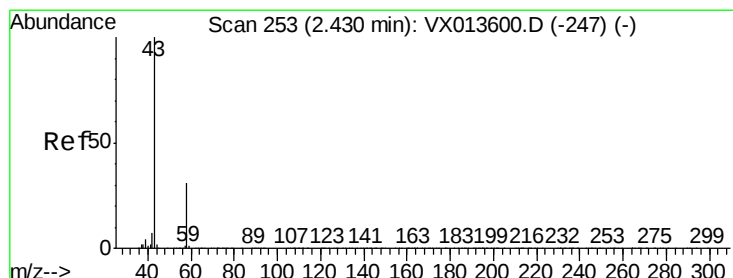
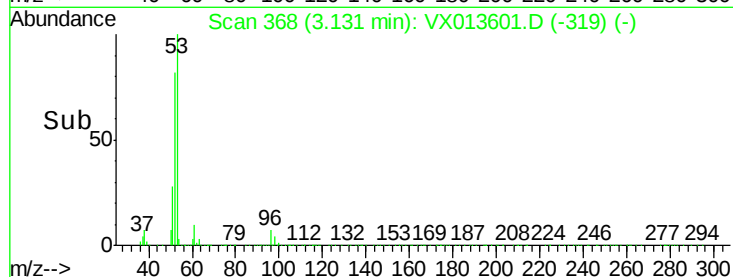
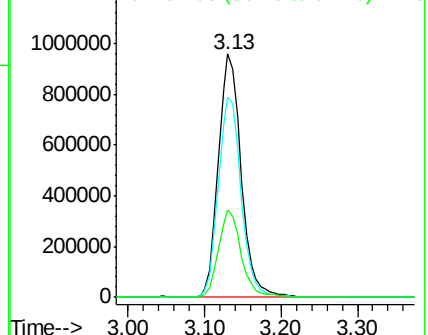
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.2  | 66.2  | 99.2  |
| 51  | 35.4  | 29.0  | 43.6  |



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 471.505 ug/l

RT: 2.44 min Scan# 254

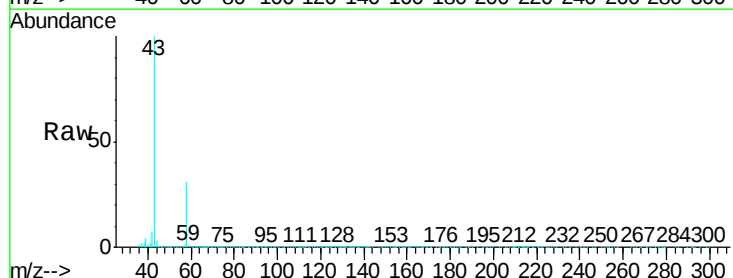
Delta R.T. 0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

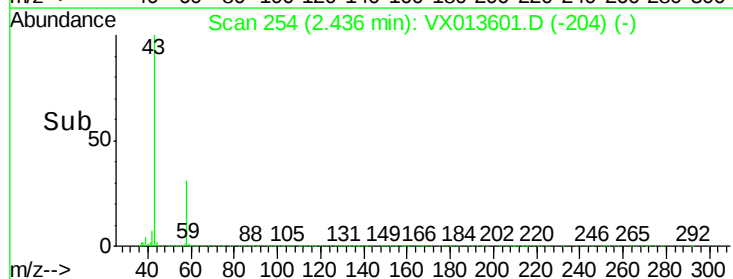
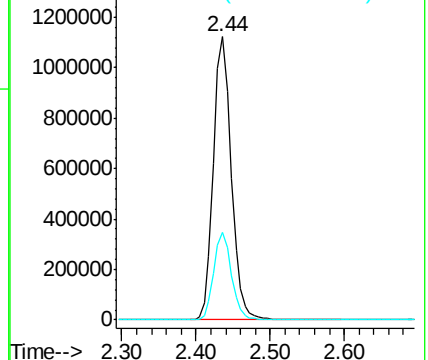
Tgt Ion: 43 Resp: 1850015

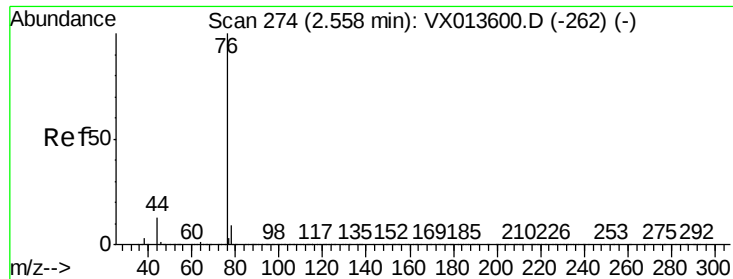
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.0  | 24.6  | 36.8  |



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 107.508 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

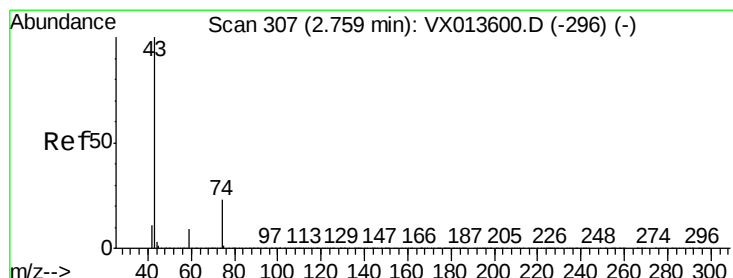
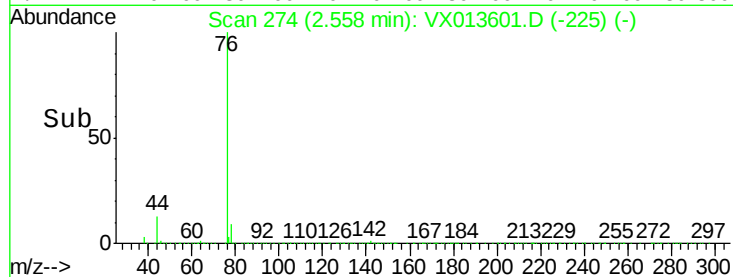
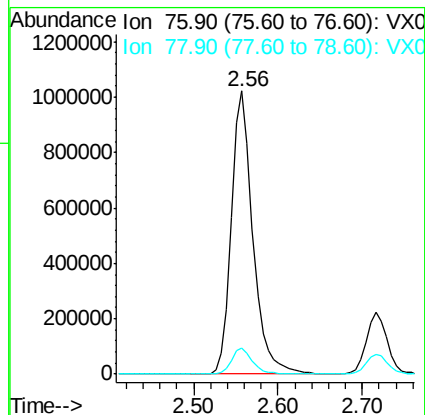
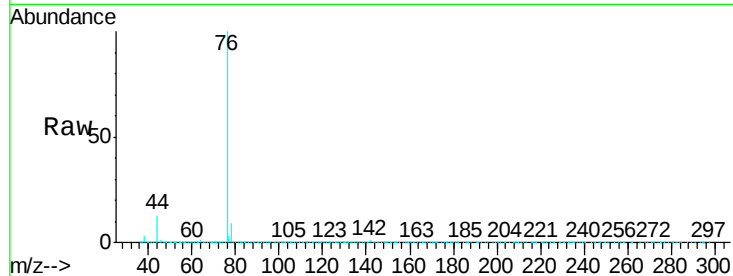
VSTDIC100

Tgt Ion: 76 Resp: 1783090

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 100.829 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013601.D

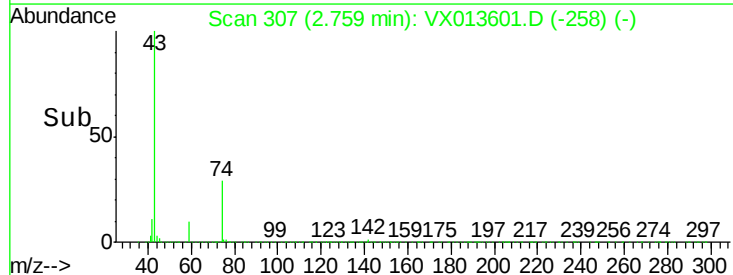
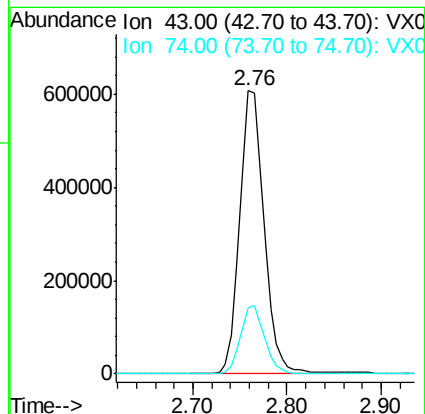
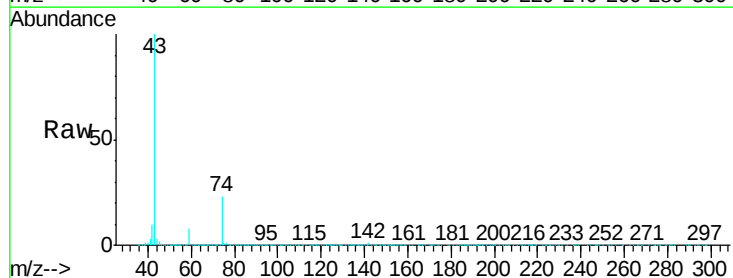
Acq: 26 Nov 2019 15:05

Tgt Ion: 43 Resp: 1097086

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3



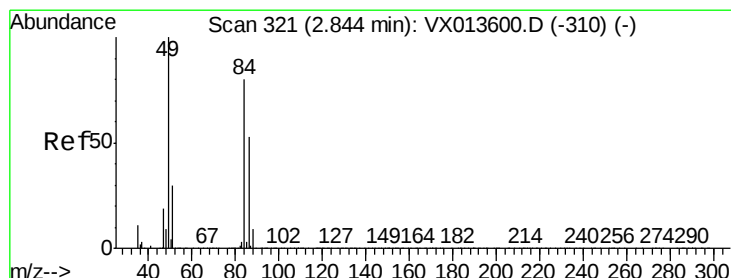
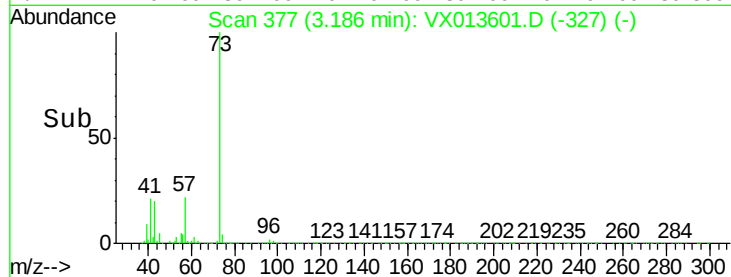
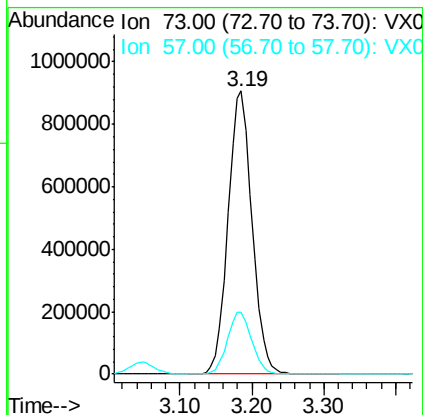
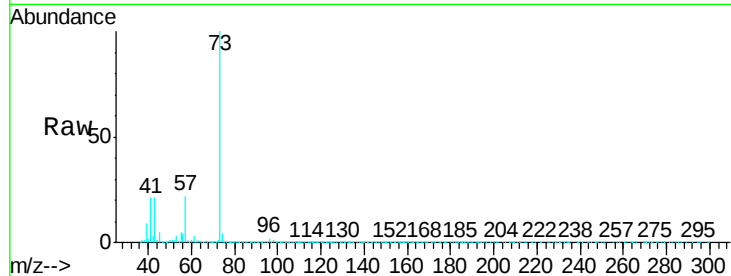


#19

Methyl tert-butyl Ether  
Concen: 102.811 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC100

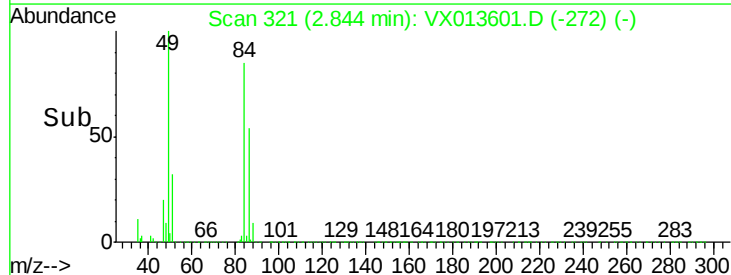
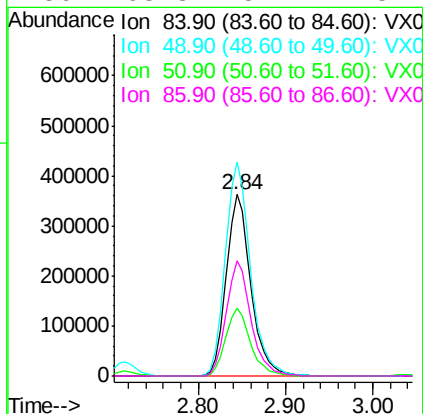
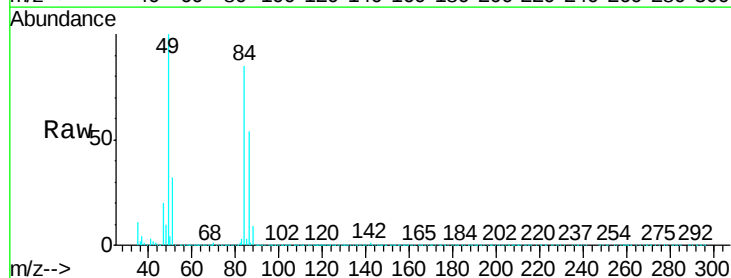
Tgt Ion: 73 Resp: 2103918  
Ion Ratio Lower Upper  
73 100  
57 21.9 18.3 27.5

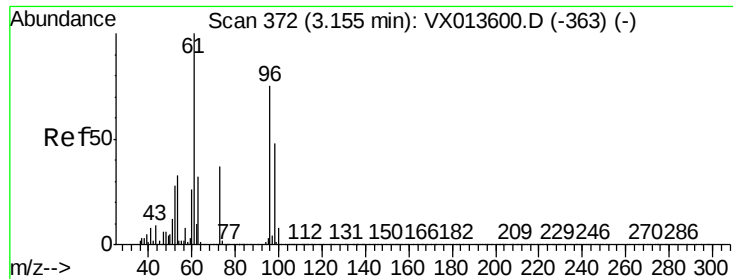


#20

Methylene Chloride  
Concen: 96.598 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 84 Resp: 706898  
Ion Ratio Lower Upper  
84 100  
49 117.8 99.7 149.5  
51 37.6 29.9 44.9  
86 63.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 100.101 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

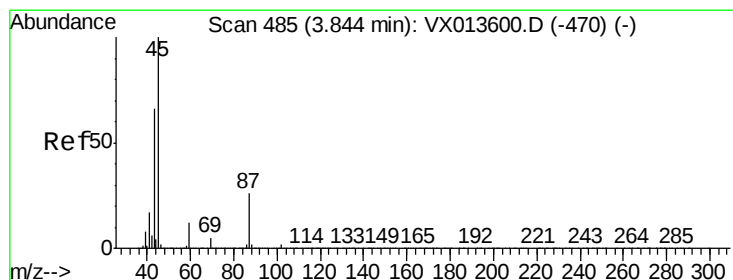
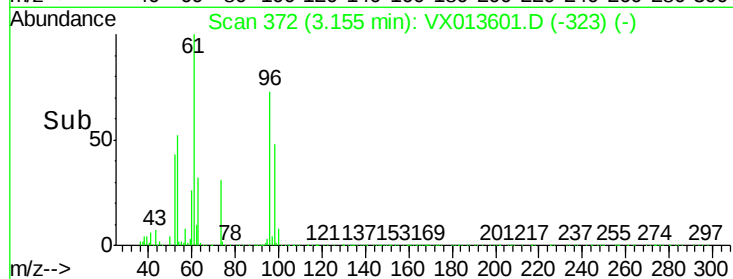
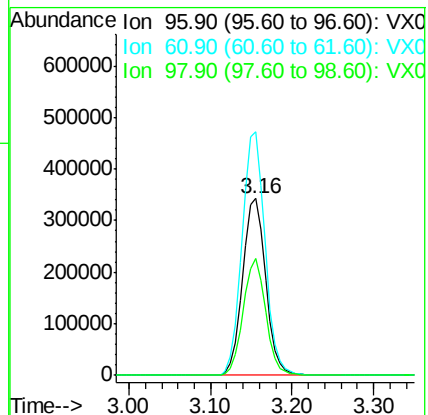
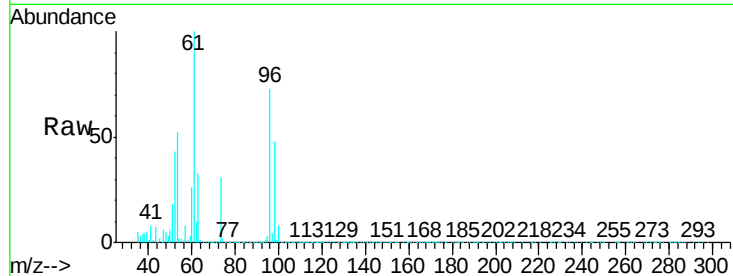
Tgt Ion: 96 Resp: 670879

Ion Ratio Lower Upper

96 100

61 137.5 107.2 160.8

98 65.9 51.4 77.0



#22

Diisopropyl ether

Concen: 102.934 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion: 45 Resp: 2218448

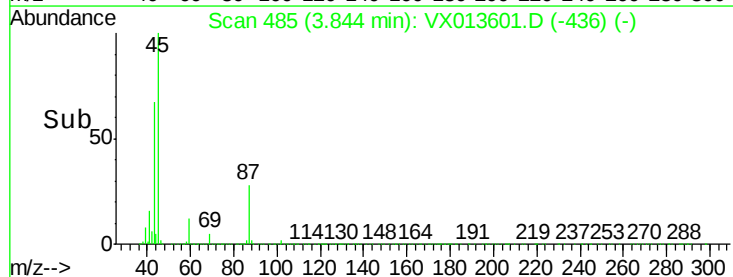
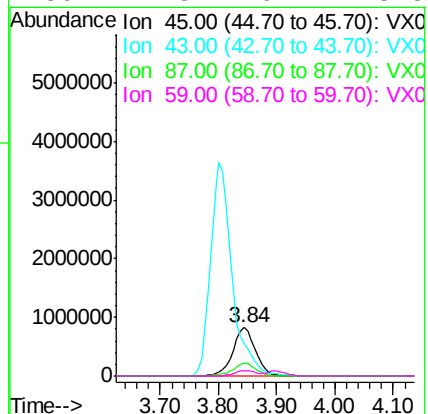
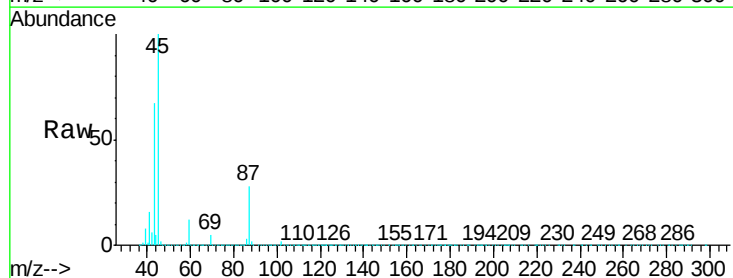
Ion Ratio Lower Upper

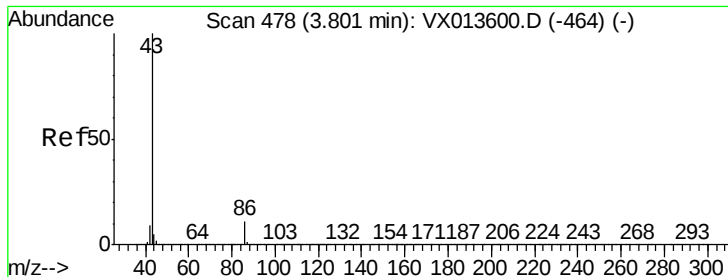
45 100

43 66.9 52.6 79.0

87 27.6 21.1 31.7

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 509.172 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

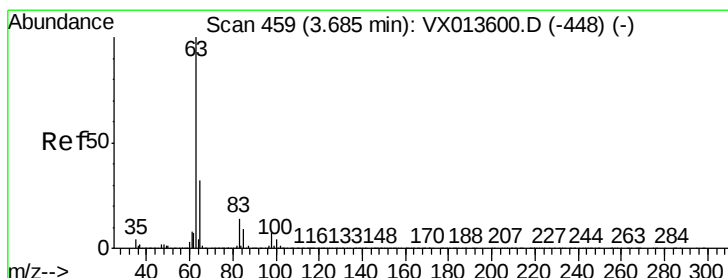
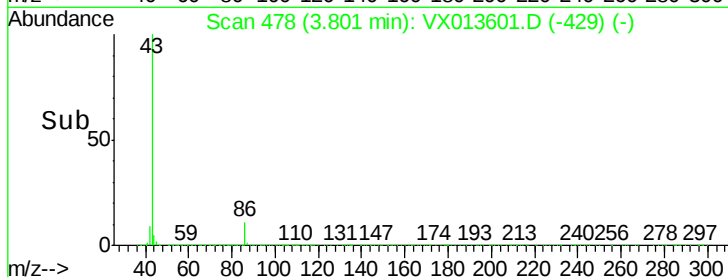
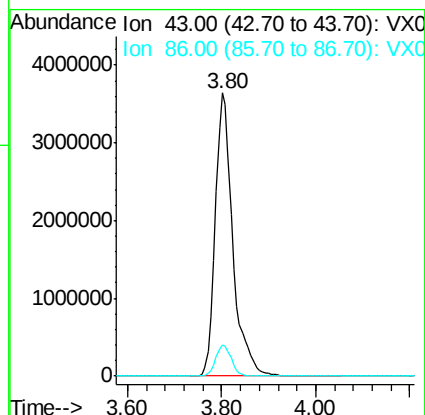
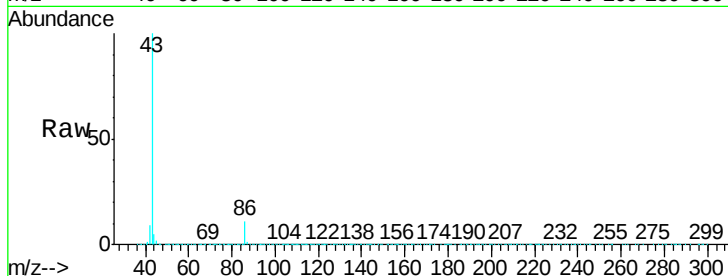
VSTDIC100

Tgt Ion: 43 Resp: 9359838

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



#24

1,1-Dichloroethane

Concen: 101.327 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

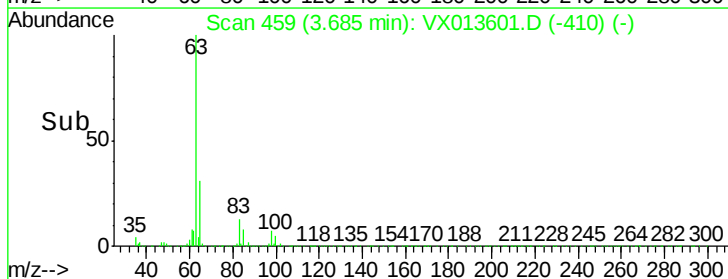
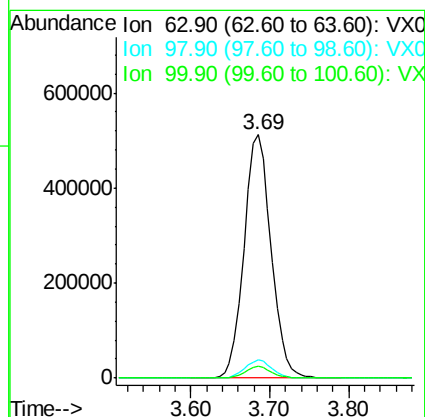
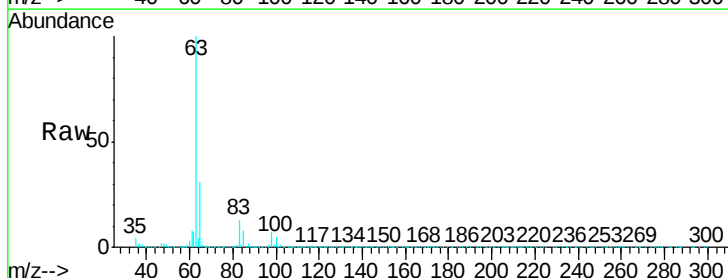
Tgt Ion: 63 Resp: 1221995

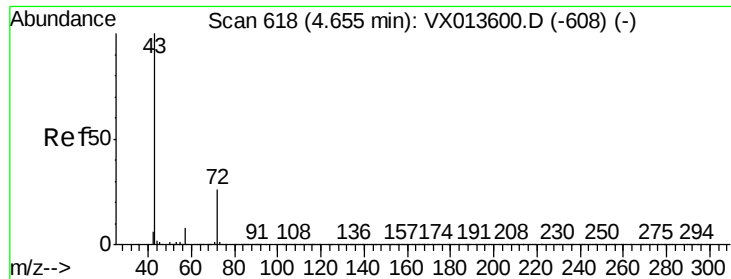
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 503.399 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

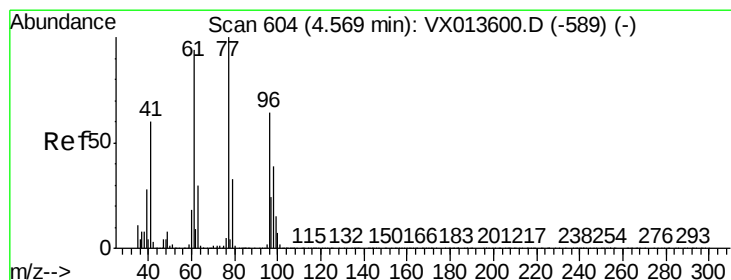
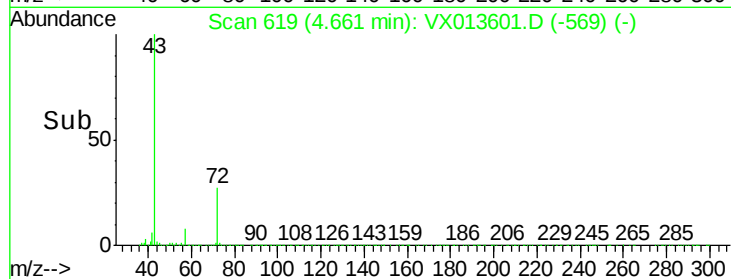
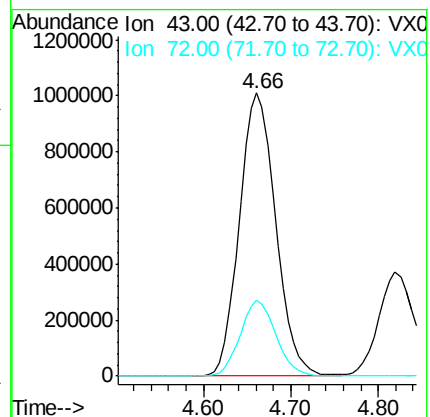
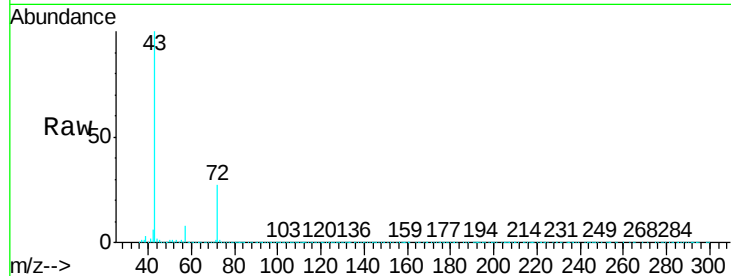
VSTDIC100

Tgt Ion: 43 Resp: 2902572

Ion Ratio Lower Upper

43 100

72 26.6 20.6 31.0



#26

2,2-Dichloropropane

Concen: 103.849 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013601.D

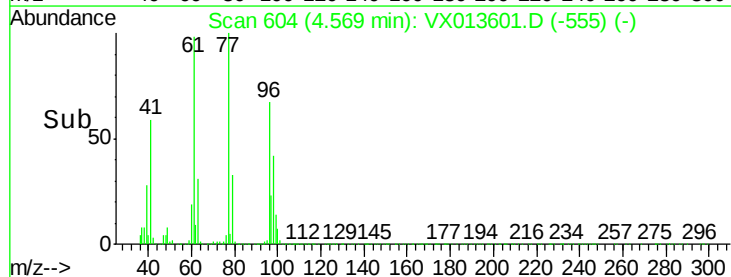
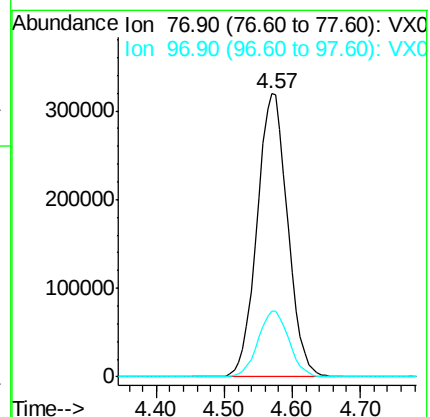
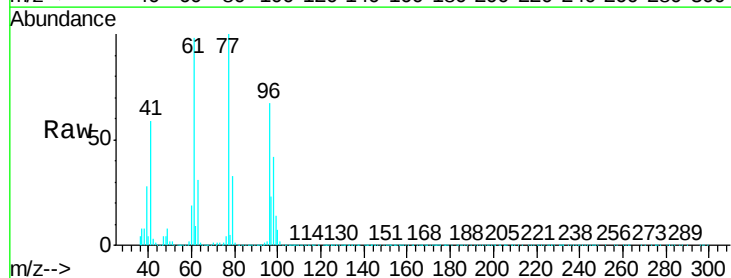
Acq: 26 Nov 2019 15:05

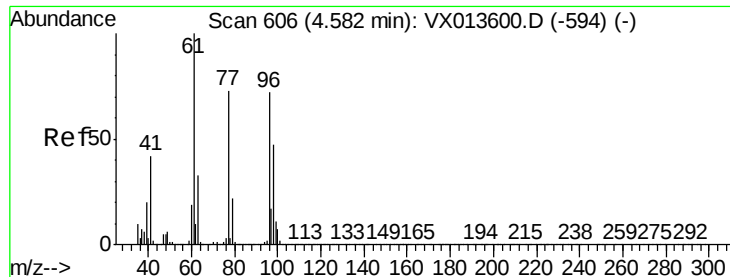
Tgt Ion: 77 Resp: 1000418

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.1



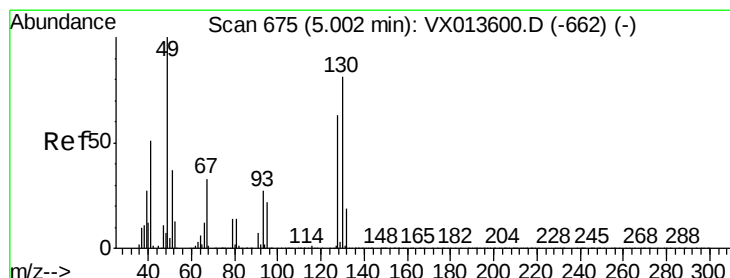
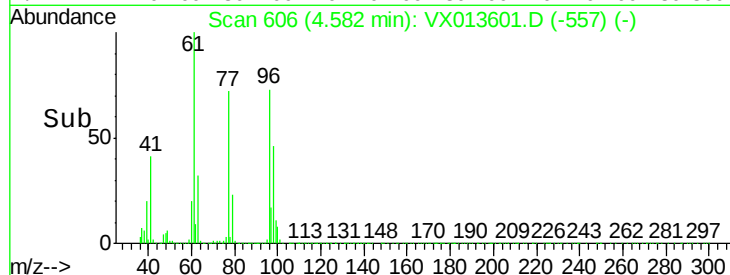
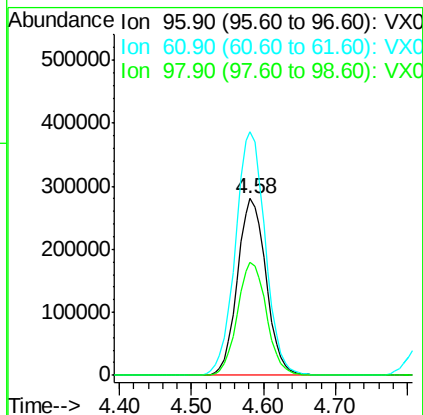
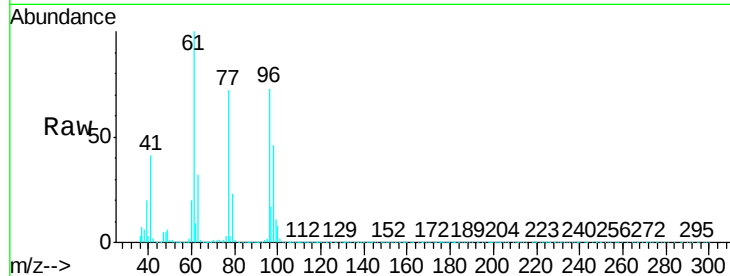


#27

cis-1,2-Dichloroethene  
Concen: 103.133 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

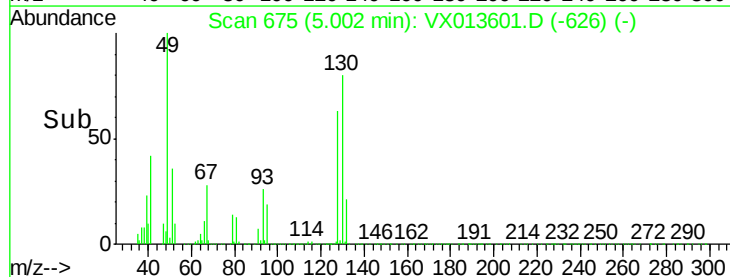
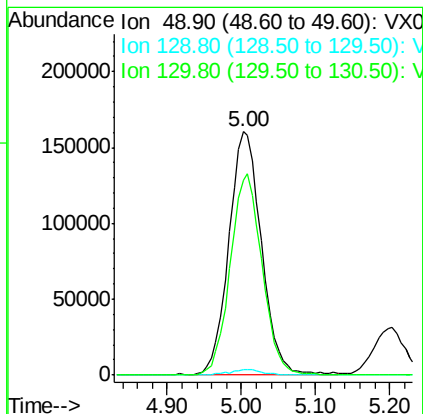
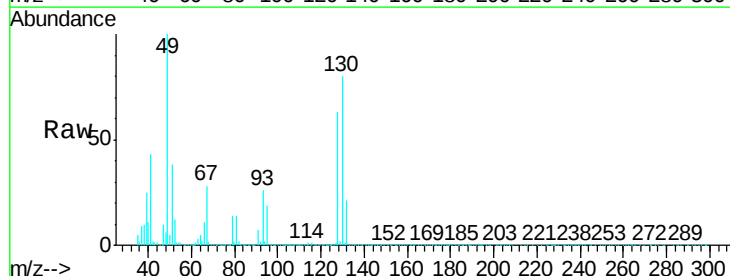
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.0 | 0.0   | 286.4 |
| 98      | 65.2  | 0.0   | 127.4 |

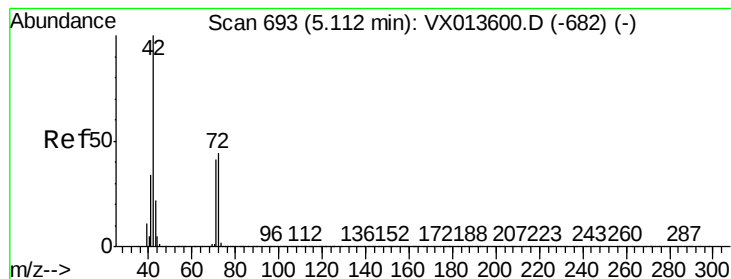


#28

Bromochloromethane  
Concen: 134.997 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 5.0   |
| 130     | 80.4  | 65.4  | 98.0  |





#29

Tetrahydrofuran

Concen: 509.448 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

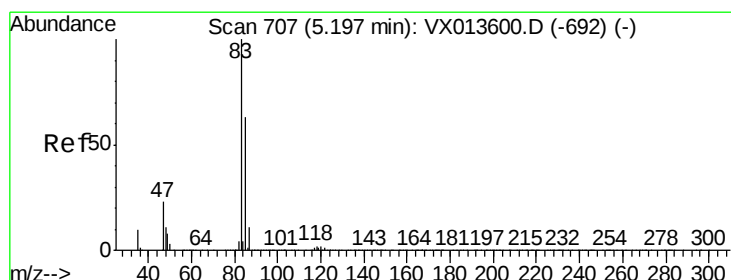
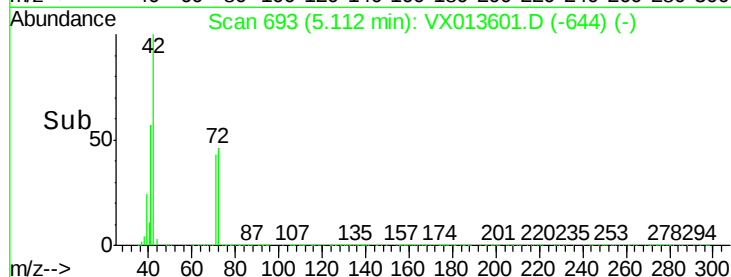
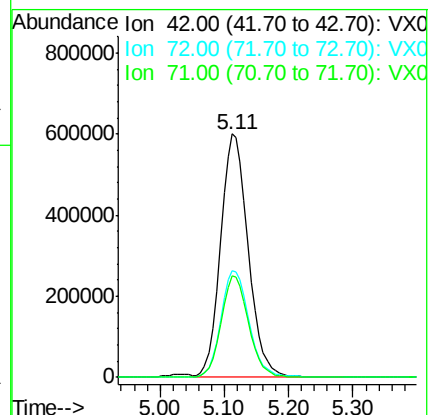
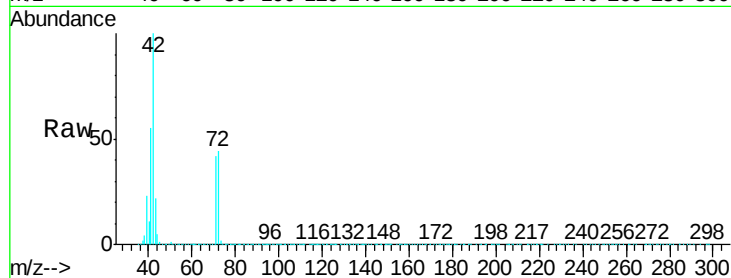
Tgt Ion: 42 Resp: 1805993

Ion Ratio Lower Upper

42 100

72 44.8 36.3 54.5

71 41.5 33.2 49.8



#30

Chloroform

Concen: 99.556 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013601.D

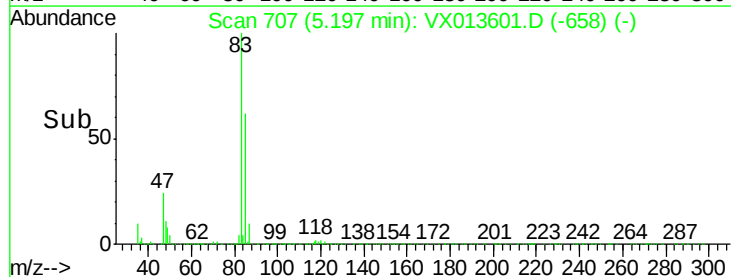
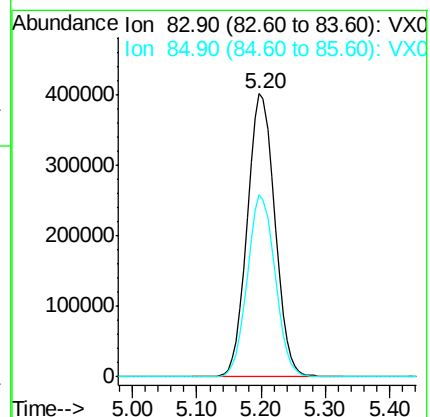
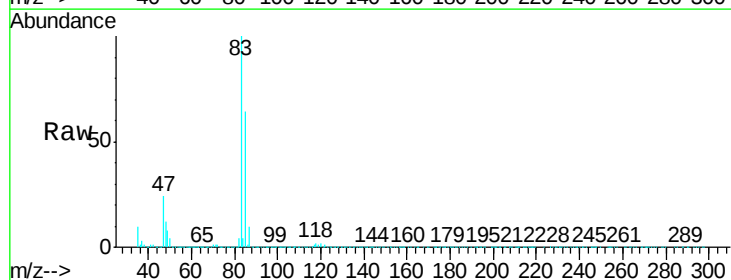
Acq: 26 Nov 2019 15:05

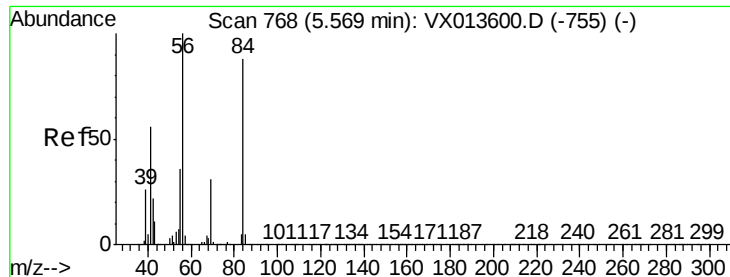
Tgt Ion: 83 Resp: 1184017

Ion Ratio Lower Upper

83 100

85 64.1 50.2 75.4

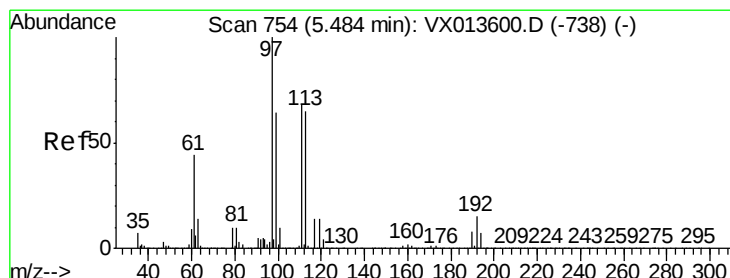
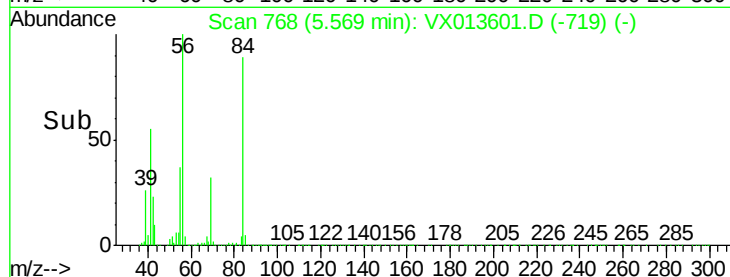
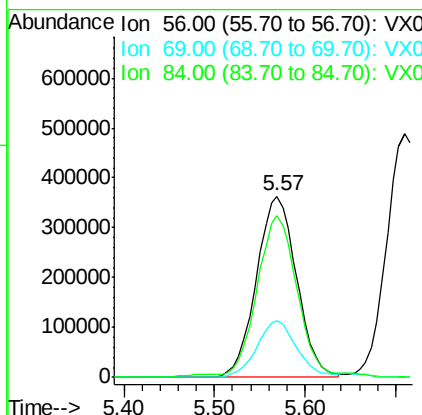
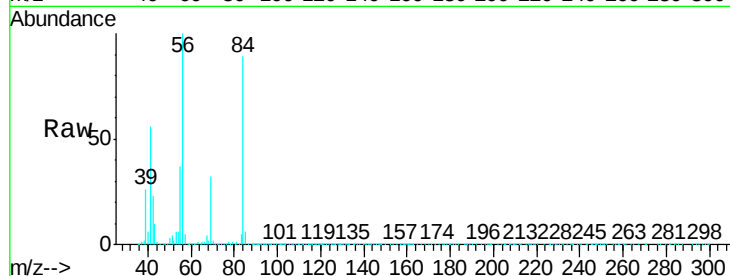




#31  
Cyclohexane  
Concen: 101.330 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

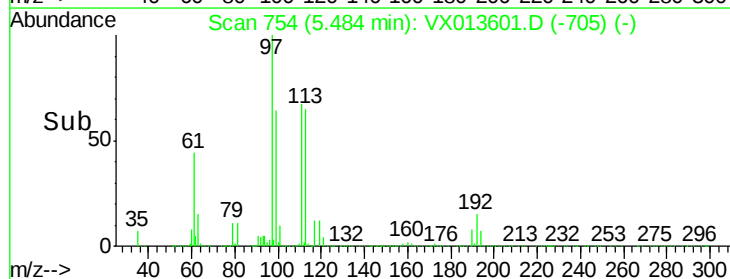
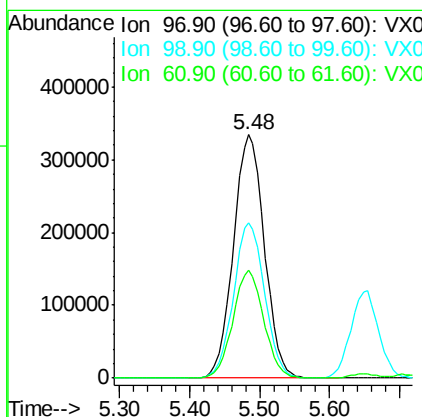
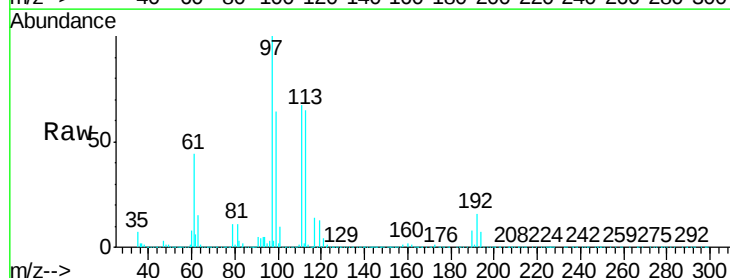
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

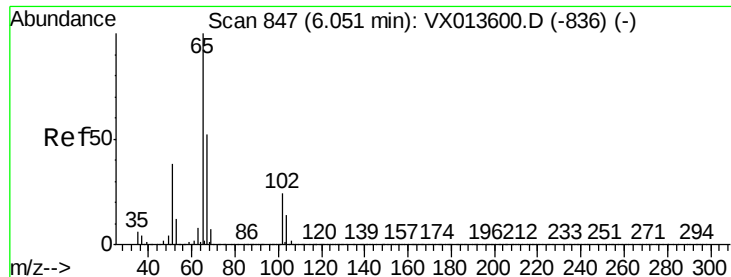
Tgt Ion: 56 Resp: 1108349  
Ion Ratio Lower Upper  
56 100  
69 31.6 24.6 36.8  
84 88.0 70.0 105.0



#32  
1,1,1-Trichloroethane  
Concen: 100.379 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 97 Resp: 1025104  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.6 77.4  
61 43.9 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 96.790 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

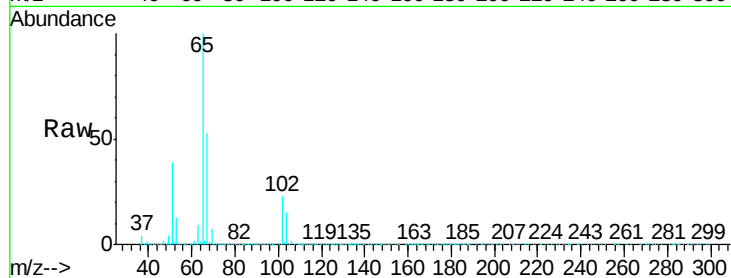
VSTDIC100

Tgt Ion: 65 Resp: 761938

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

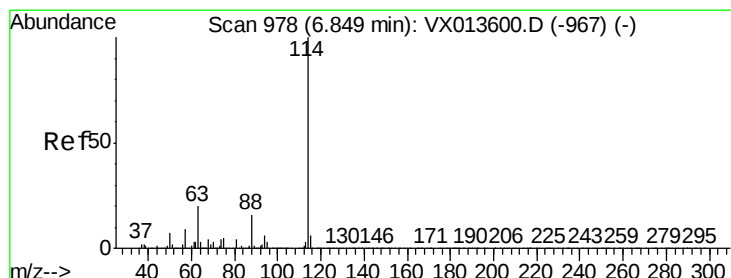
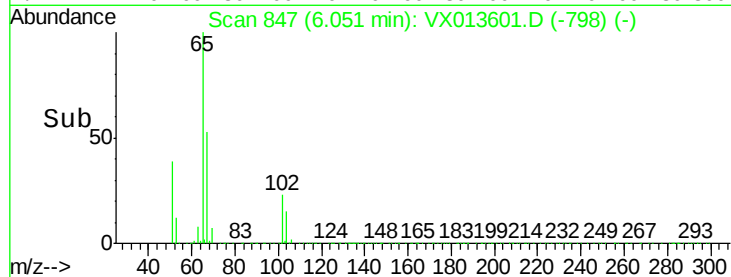
300000

200000

100000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

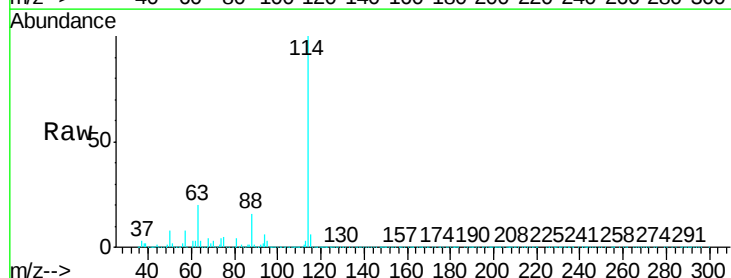
Tgt Ion: 114 Resp: 1023653

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

600000

500000

400000

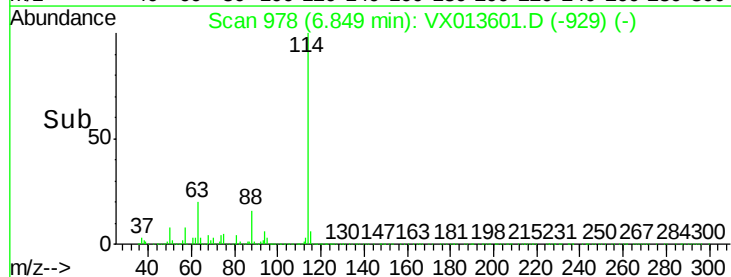
300000

200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 100.747 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

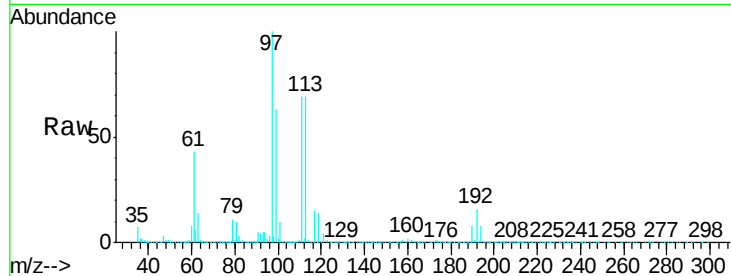
Tgt Ion:113 Resp: 638769

Ion Ratio Lower Upper

113 100

111 101.5 83.6 125.4

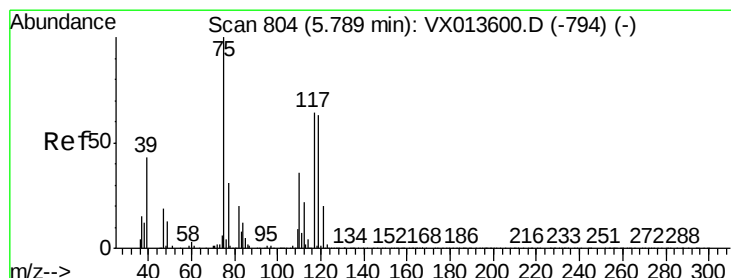
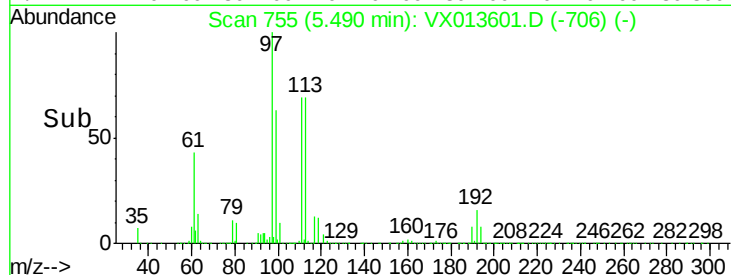
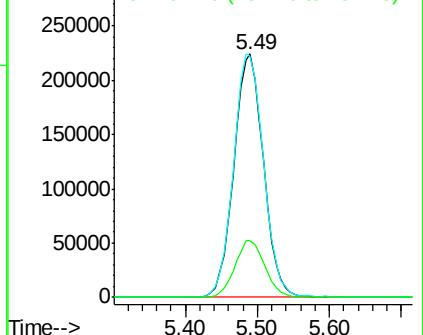
192 23.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 105.573 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

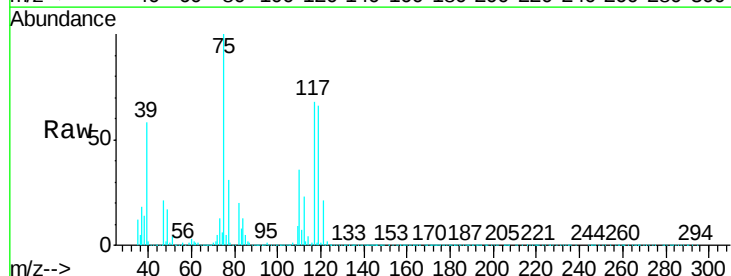
Tgt Ion: 75 Resp: 923612

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.1

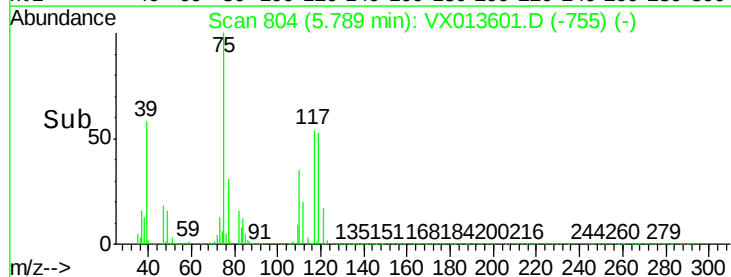
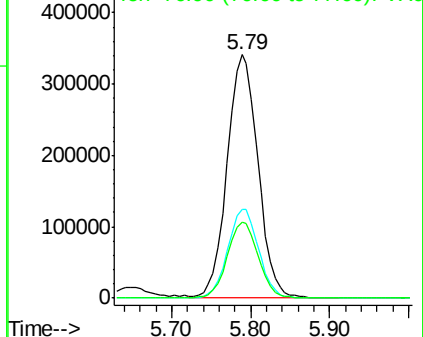
77 31.2 24.5 36.7

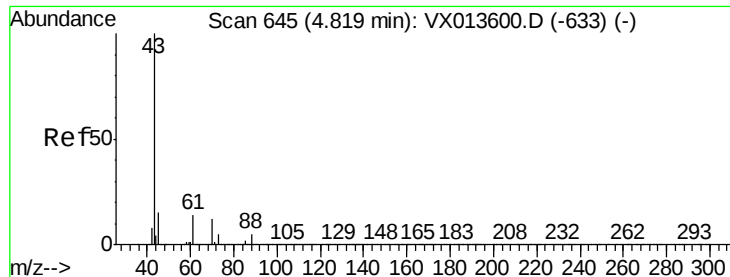


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

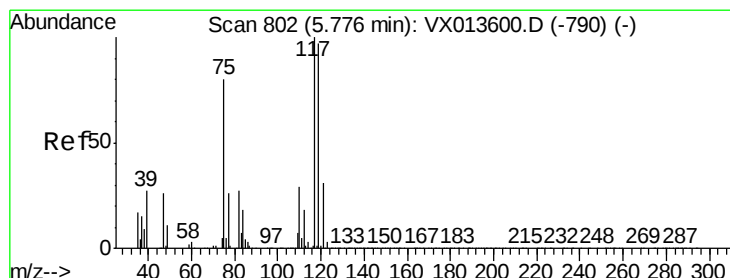
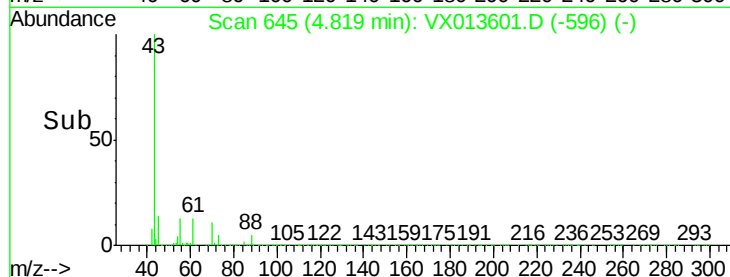
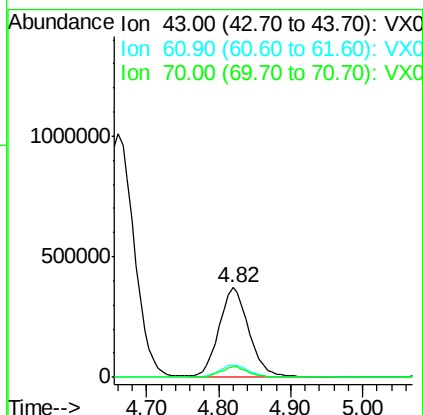
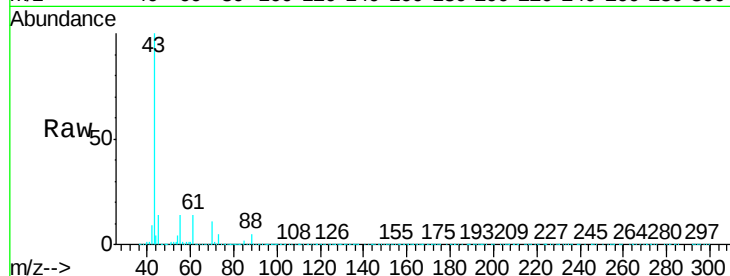




#37  
Ethyl Acetate  
Concen: 99.841 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

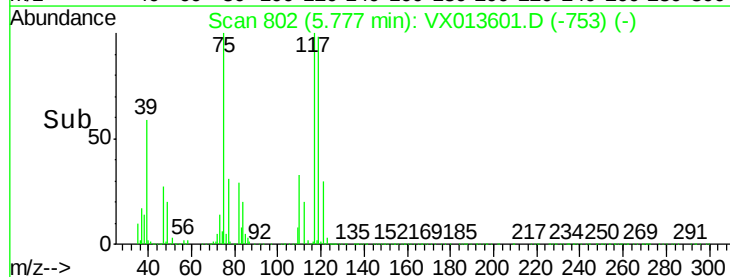
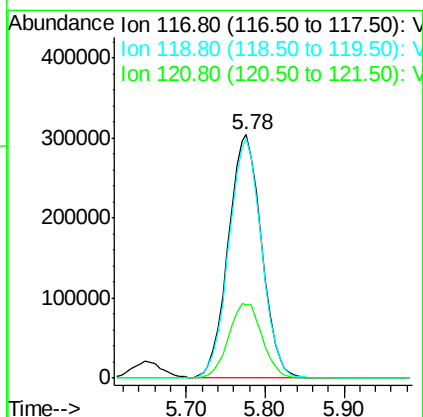
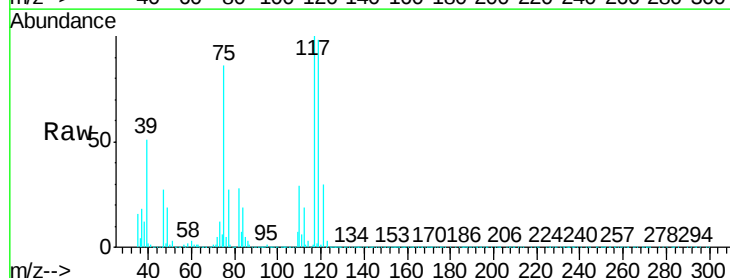
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

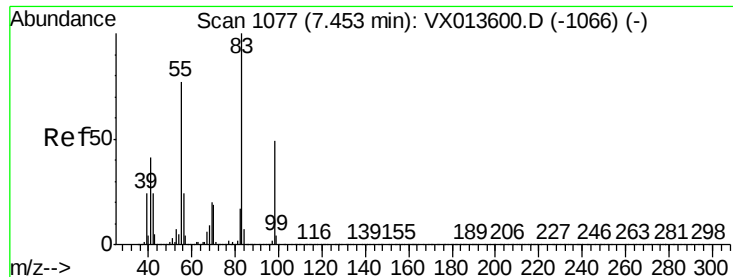
Tgt Ion: 43 Resp: 1071072  
Ion Ratio Lower Upper  
43 100  
61 13.7 11.0 16.4  
70 11.3 8.6 12.8



#38  
Carbon Tetrachloride  
Concen: 104.169 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 117 Resp: 885424  
Ion Ratio Lower Upper  
117 100  
119 98.5 77.5 116.3  
121 30.4 25.0 37.6

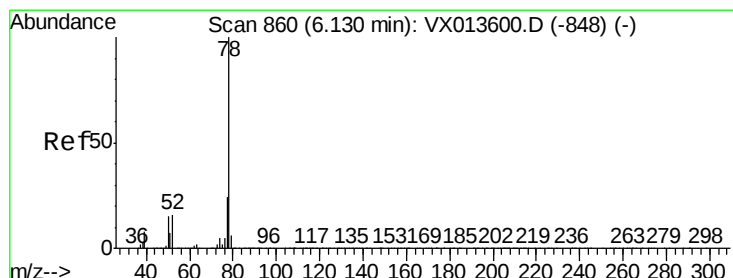
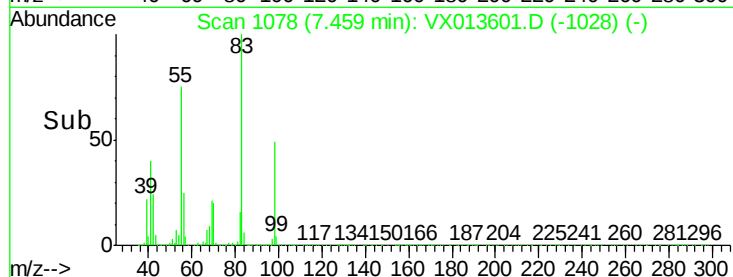
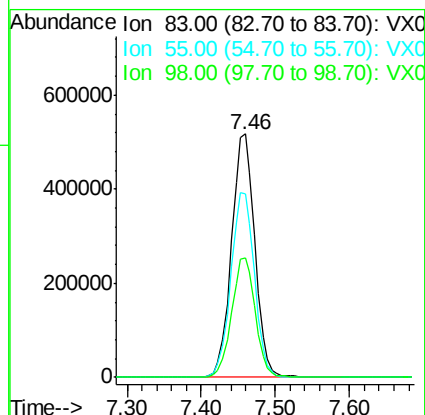
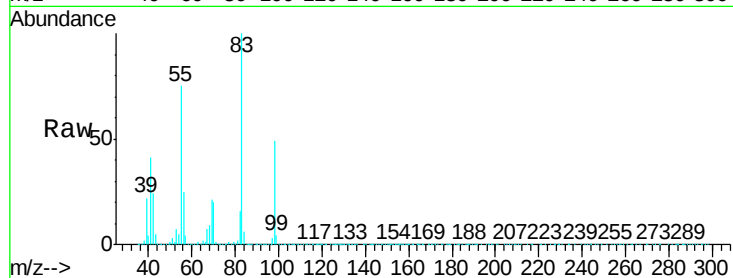




#39  
Methylcyclohexane  
Concen: 103.641 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

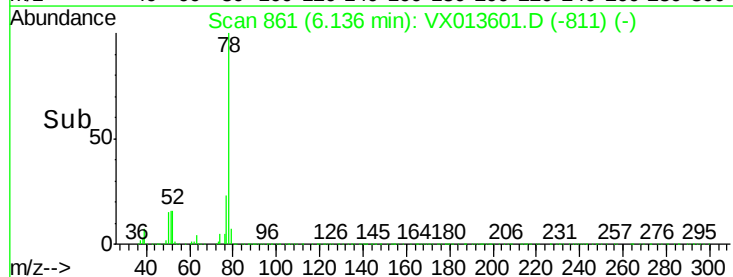
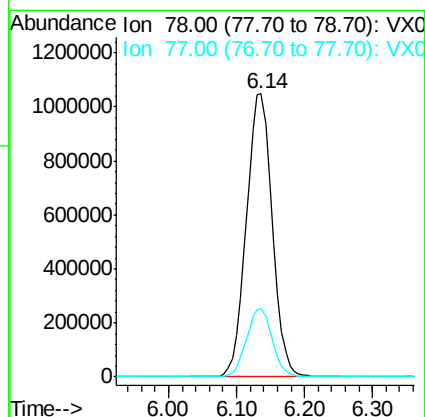
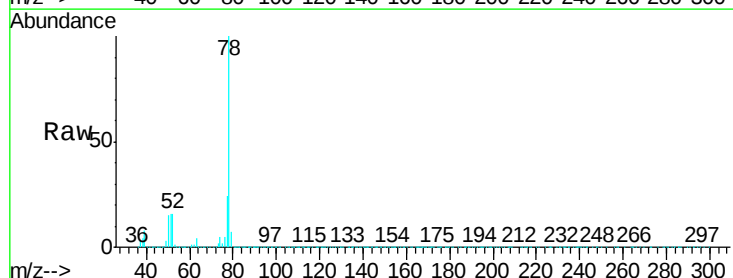
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

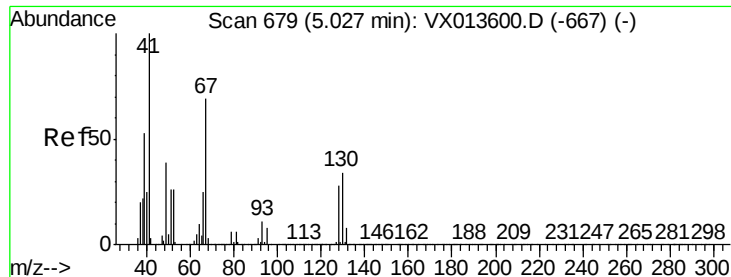
Tgt Ion: 83 Resp: 1134733  
Ion Ratio Lower Upper  
83 100  
55 75.5 61.9 92.9  
98 49.0 39.4 59.0



#40  
Benzene  
Concen: 101.741 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 78 Resp: 2774347  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.0 28.4

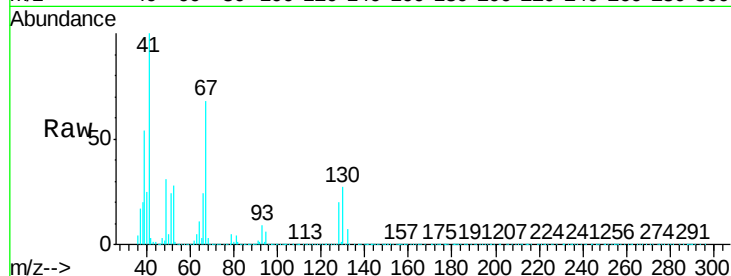




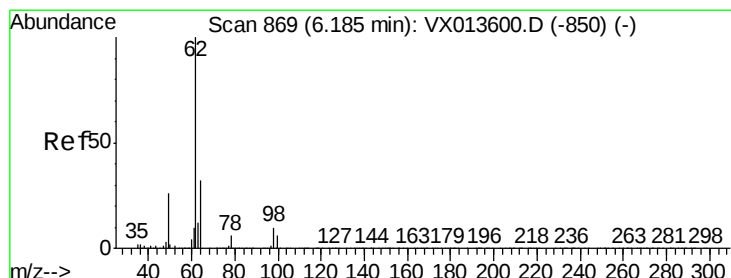
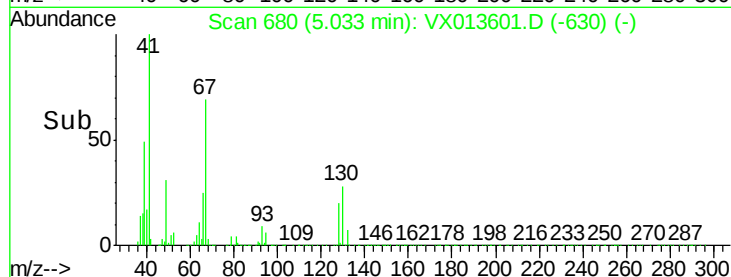
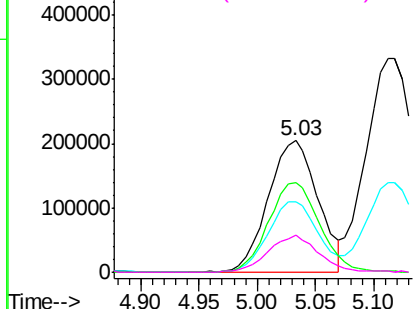
#41  
Methacrylonitrile  
Concen: 100.035 ug/l  
RT: 5.03 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 601531 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 55.4  | 42.9  | 64.3   |
| 67       | 70.4  | 57.4  | 86.0   |
| 52       | 27.5  | 22.4  | 33.6   |

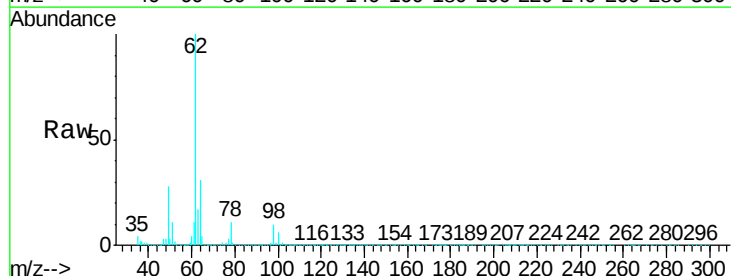


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

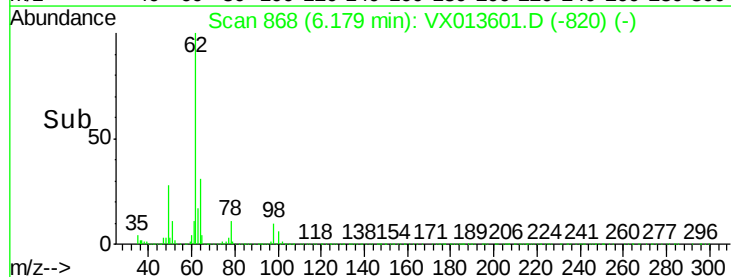
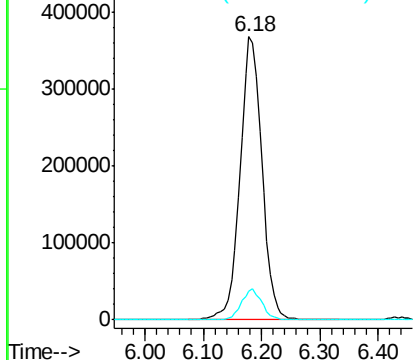


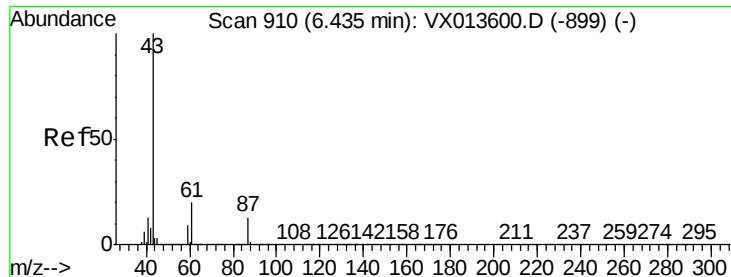
#42  
1,2-Dichloroethane  
Concen: 98.534 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 956305 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 20.8   |



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





#43

Isopropyl Acetate

Concen: 105.138 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

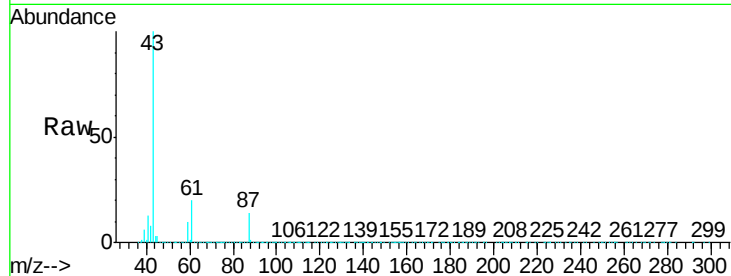
Tgt Ion: 43 Resp: 1759742

Ion Ratio Lower Upper

43 100

61 20.5 16.3 24.5

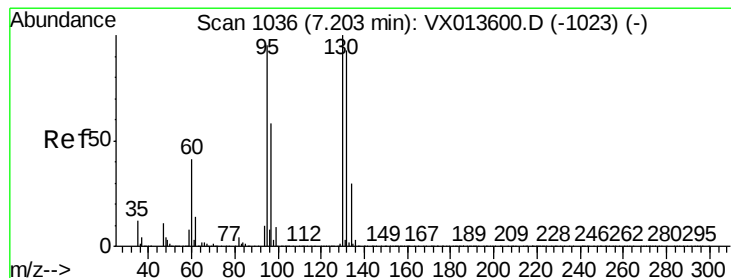
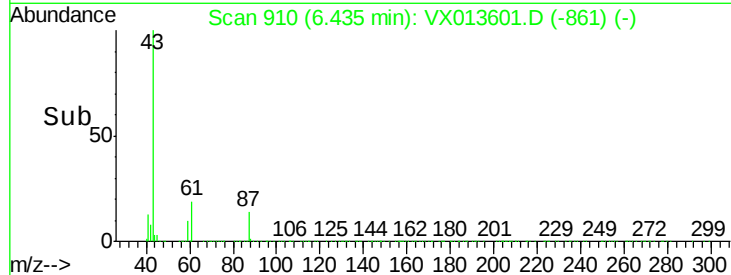
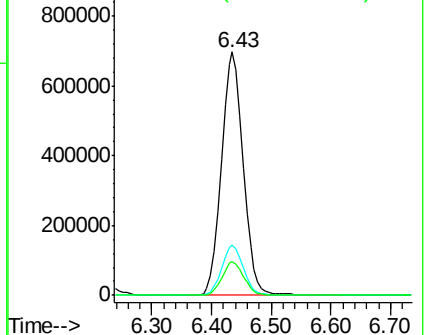
87 13.6 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VX013601.D (-861) (-)

Ion 61.00 (60.70 to 61.70): VX013601.D (-861) (-)

Ion 87.00 (86.70 to 87.70): VX013601.D (-861) (-)



#44

Trichloroethene

Concen: 100.592 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013601.D

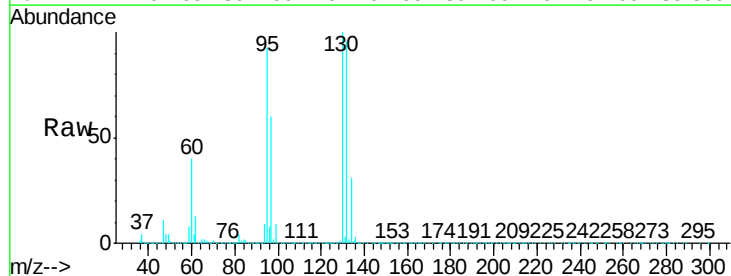
Acq: 26 Nov 2019 15:05

Tgt Ion: 130 Resp: 756316

Ion Ratio Lower Upper

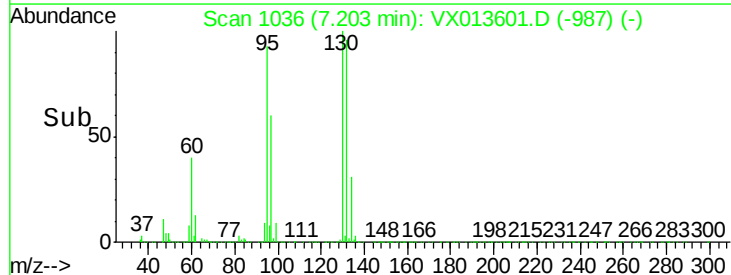
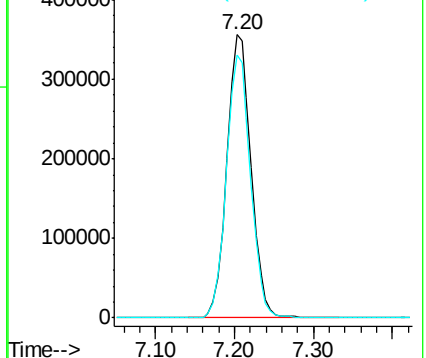
130 100

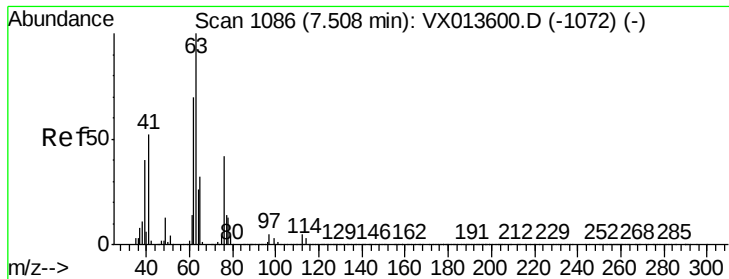
95 92.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): VX013601.D (-987) (-)

Ion 94.90 (94.60 to 95.60): VX013601.D (-987) (-)





#45

1,2-Dichloropropane

Concen: 103.237 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

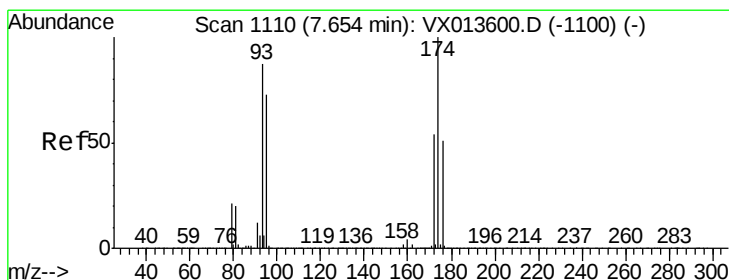
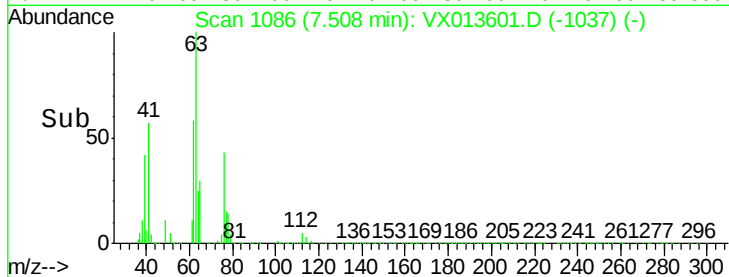
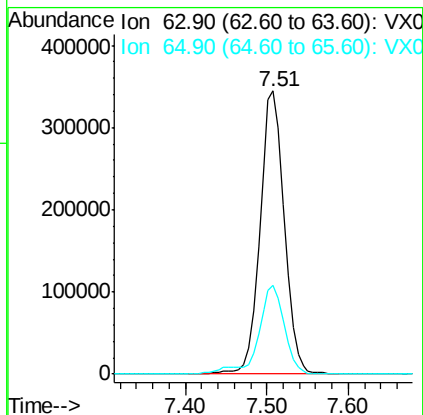
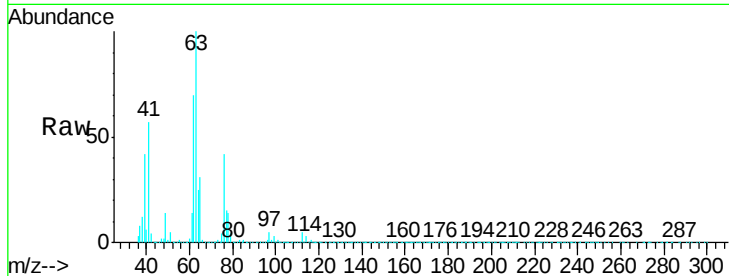
VSTDIC100

Tgt Ion: 63 Resp: 716076

Ion Ratio Lower Upper

63 100

65 31.5 25.5 38.3



#46

Dibromomethane

Concen: 100.653 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

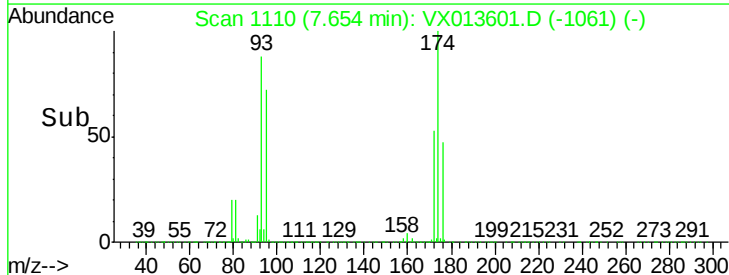
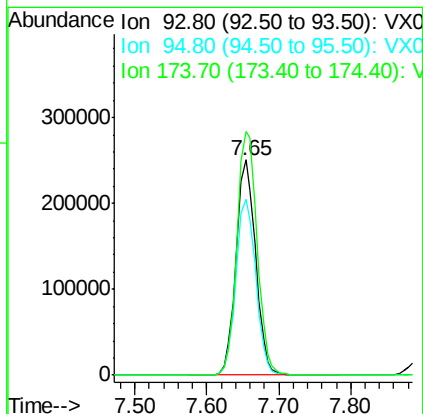
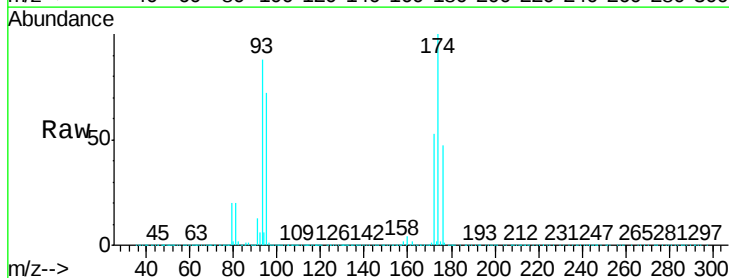
Tgt Ion: 93 Resp: 474399

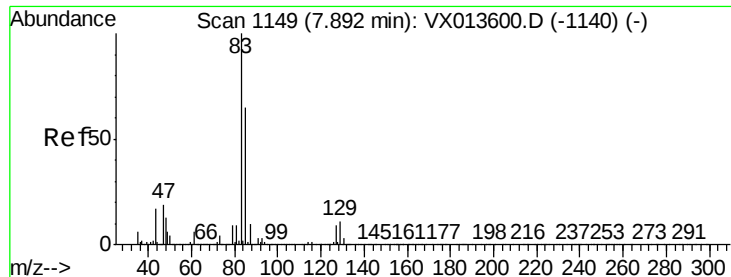
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.2

174 116.7 93.4 140.0





#47

Bromodichloromethane

Concen: 106.064 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

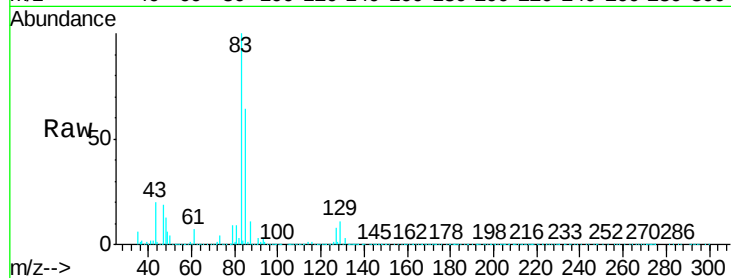
Tgt Ion: 83 Resp: 944415

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

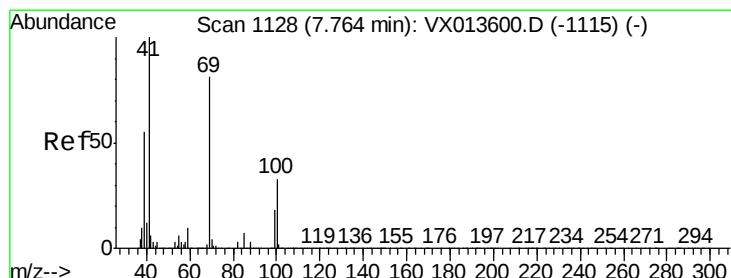
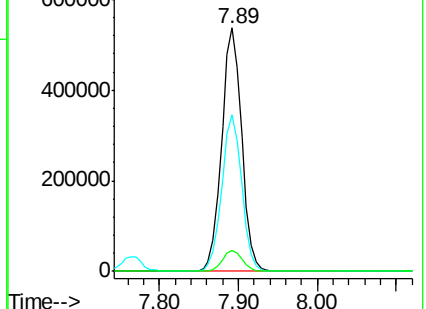
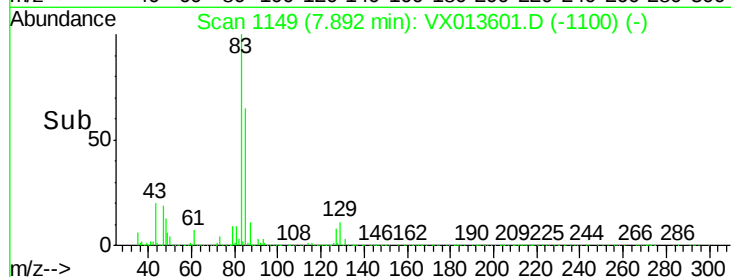
127 8.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 107.456 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

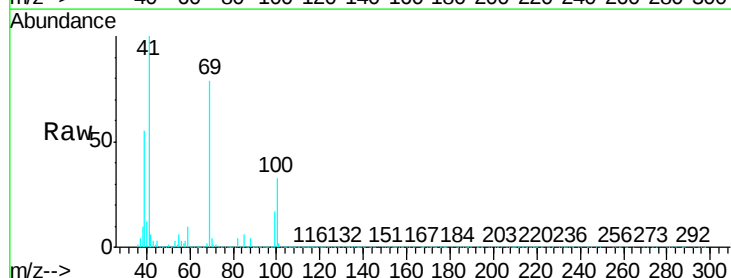
Tgt Ion: 41 Resp: 894429

Ion Ratio Lower Upper

41 100

69 80.3 64.7 97.1

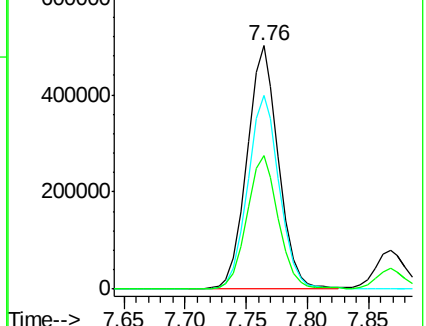
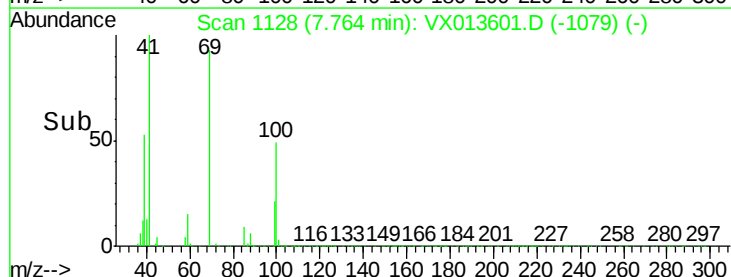
39 55.1 43.8 65.6

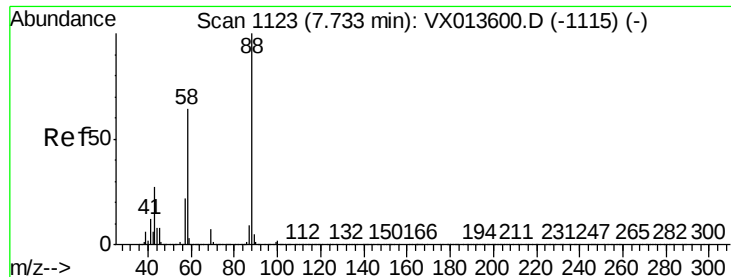


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

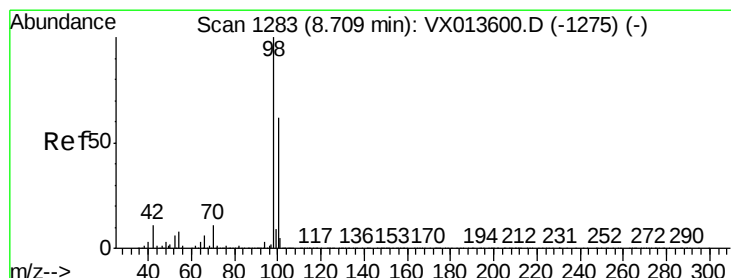
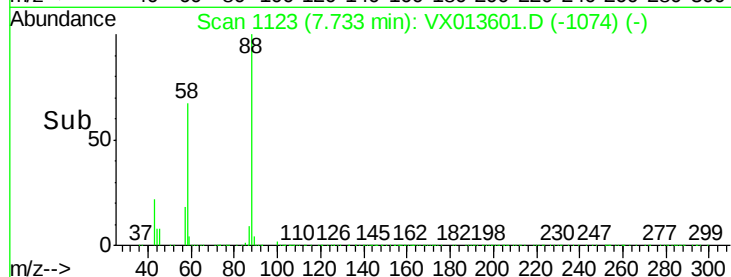
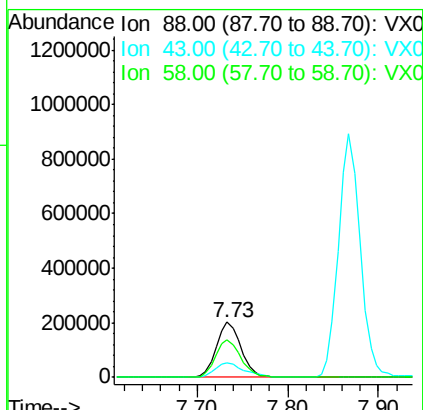
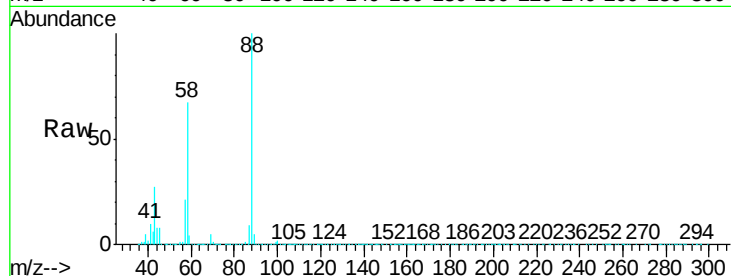




#49  
1,4-Dioxane  
Concen: 2026.027 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

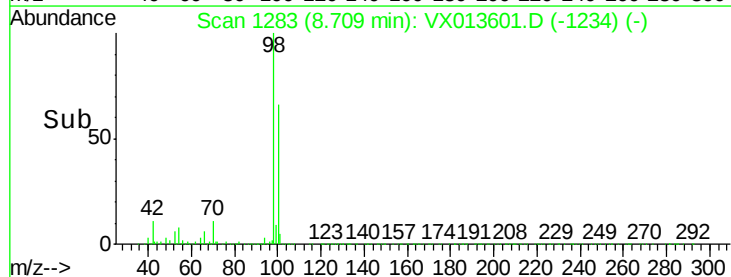
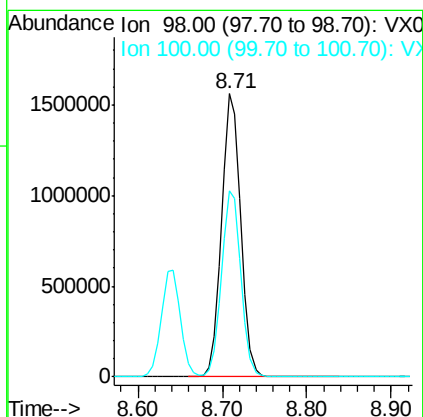
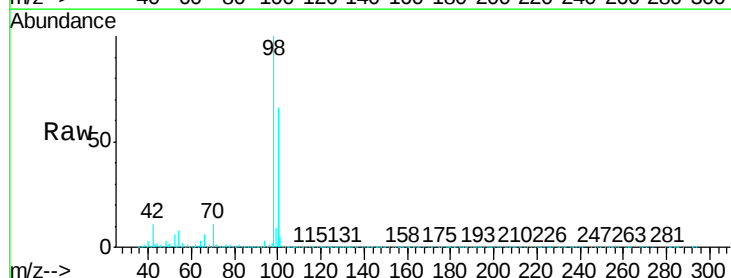
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

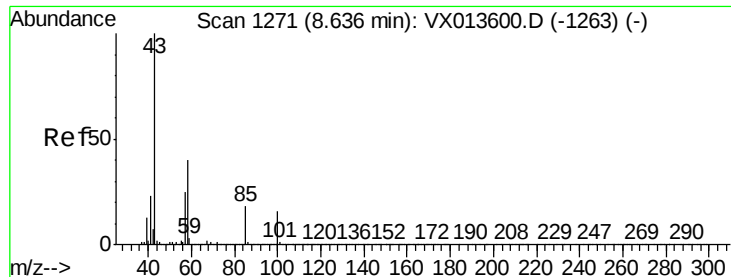
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.7  | 25.8  | 38.6  |
| 58      | 69.8  | 54.6  | 82.0  |



#50  
Toluene-d8  
Concen: 102.784 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 53.1  | 79.7  |

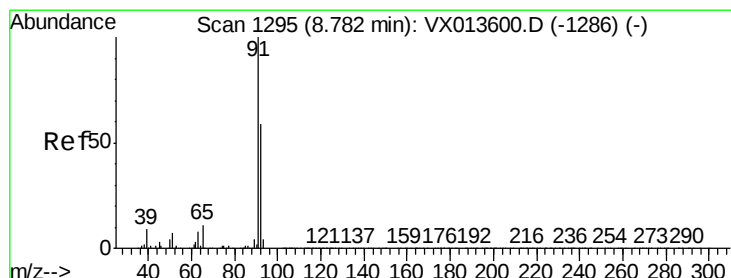
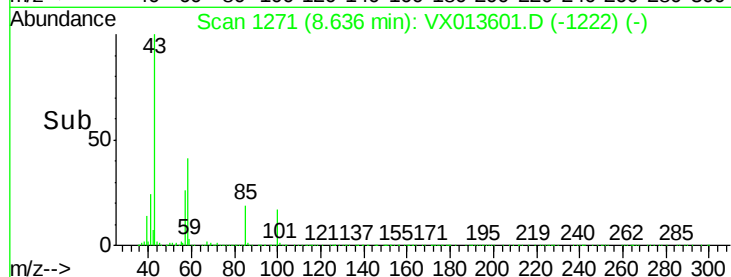
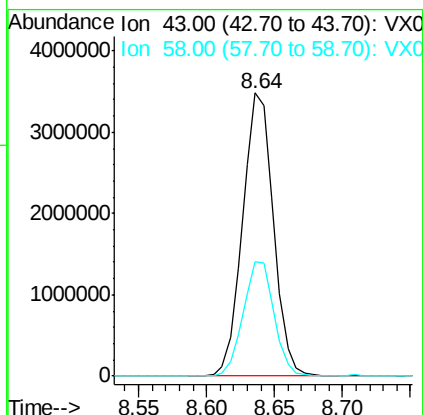
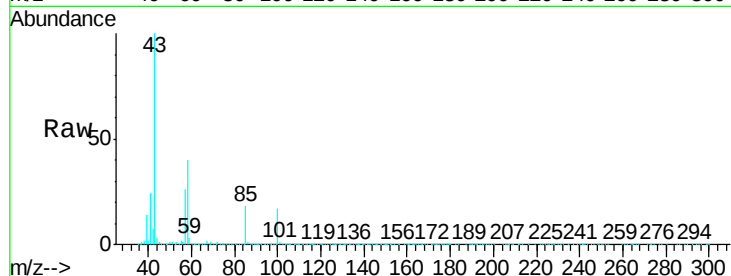




#51  
 4-Methyl-2-Pentanone  
 Concen: 505.715 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

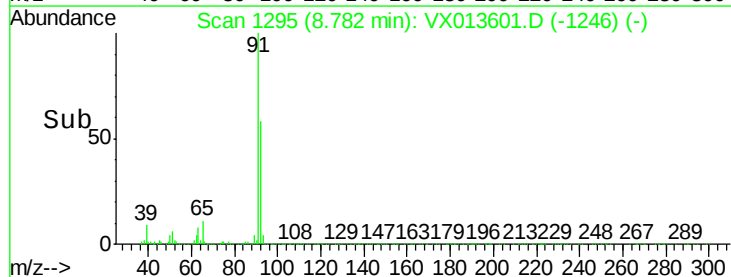
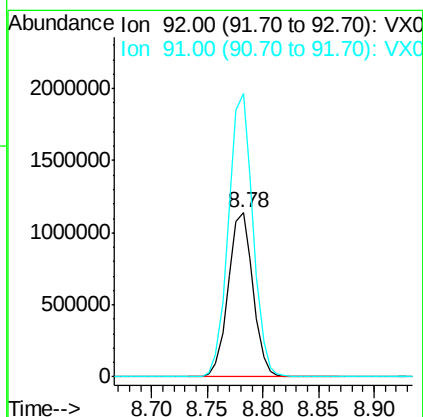
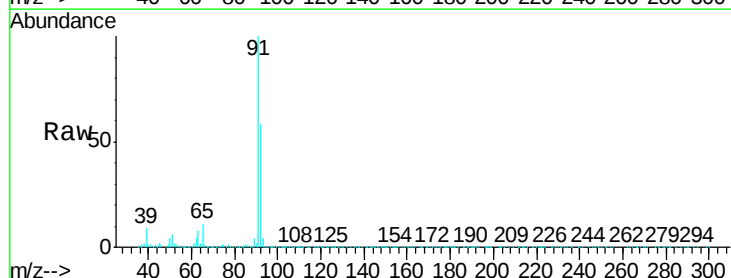
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

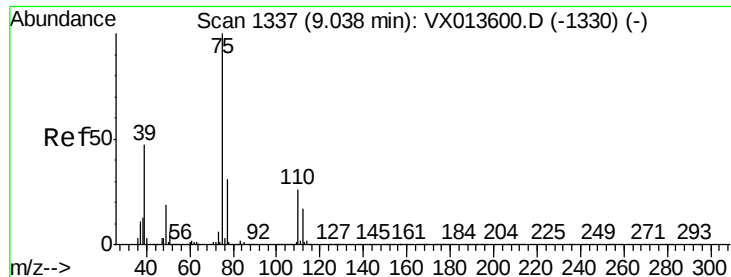
Tgt Ion: 43 Resp: 5519789  
 Ion Ratio Lower Upper  
 43 100  
 58 40.7 32.1 48.1



#52  
 Toluene  
 Concen: 102.924 ug/l  
 RT: 8.78 min Scan# 1295  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

Tgt Ion: 92 Resp: 1739973  
 Ion Ratio Lower Upper  
 92 100  
 91 171.8 136.2 204.2

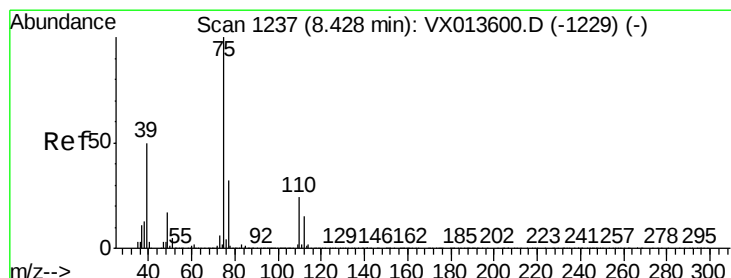
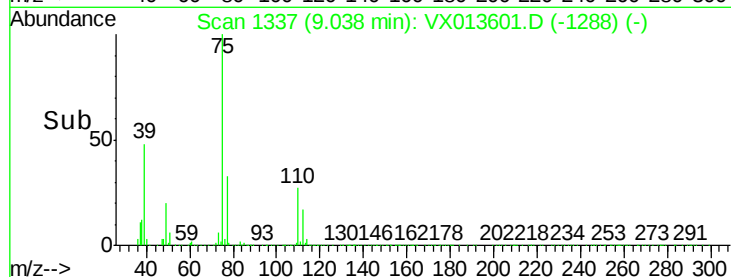
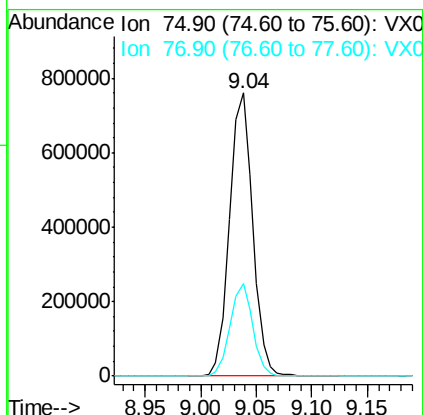
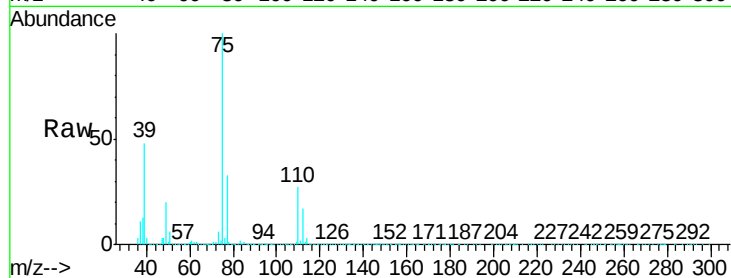




#53  
t-1,3-Dichloropropene  
Concen: 111.869 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

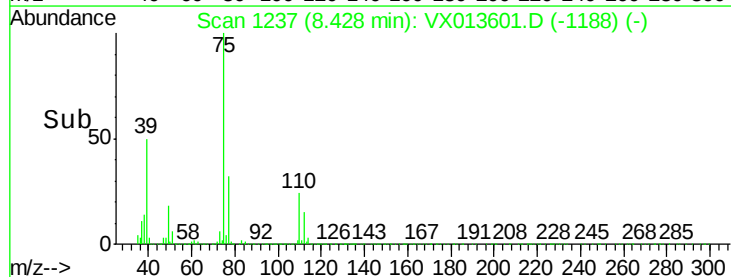
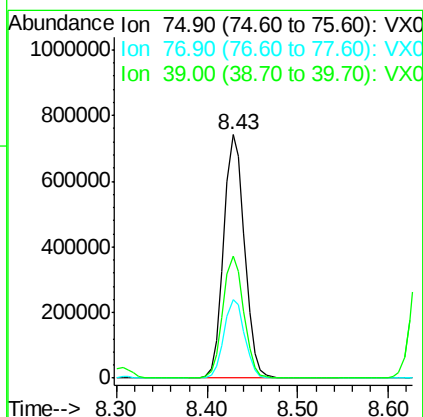
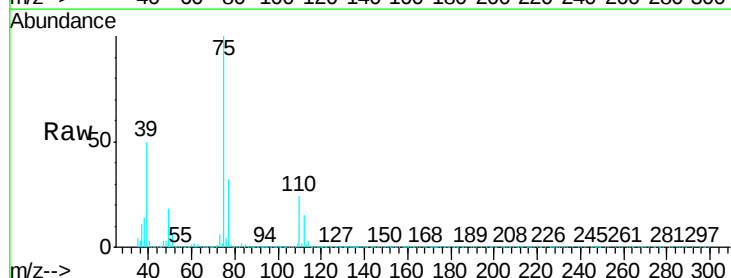
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

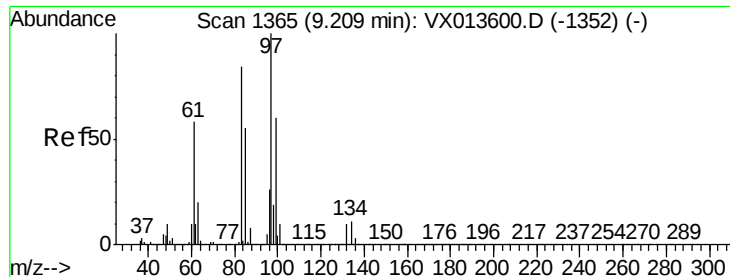
Tgt Ion: 75 Resp: 1093336  
Ion Ratio Lower Upper  
75 100  
77 32.6 24.4 36.6



#54  
cis-1,3-Dichloropropene  
Concen: 108.482 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 75 Resp: 1188170  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.8 38.6  
39 50.1 39.9 59.9

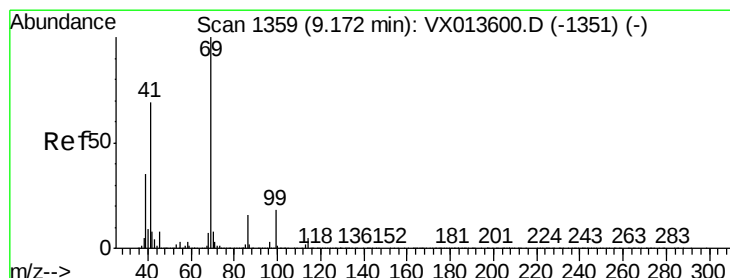
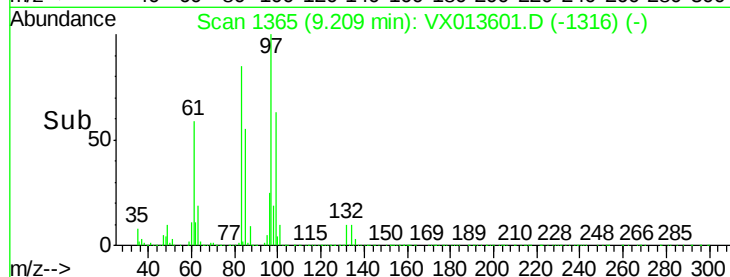
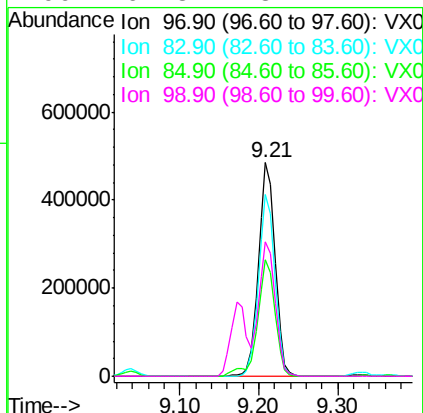
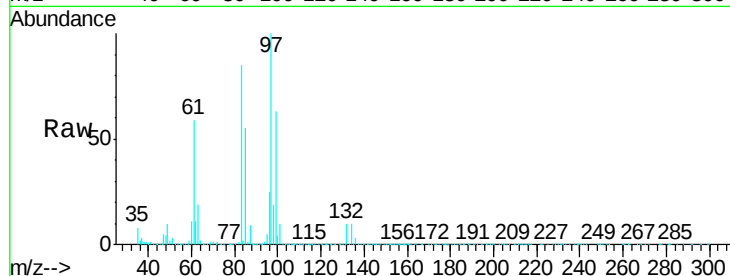




#55  
 1,1,2-Trichloroethane  
 Concen: 101.768 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

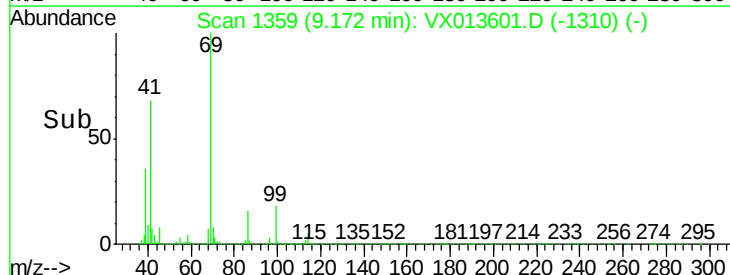
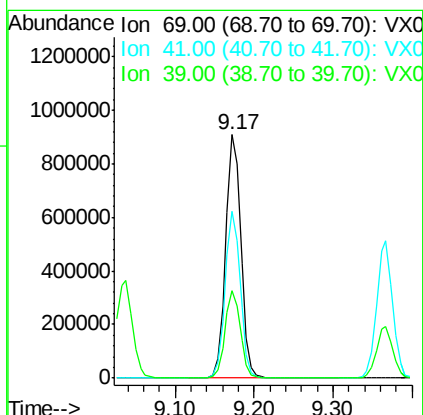
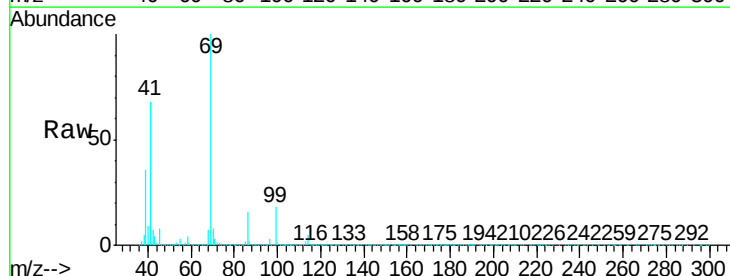
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

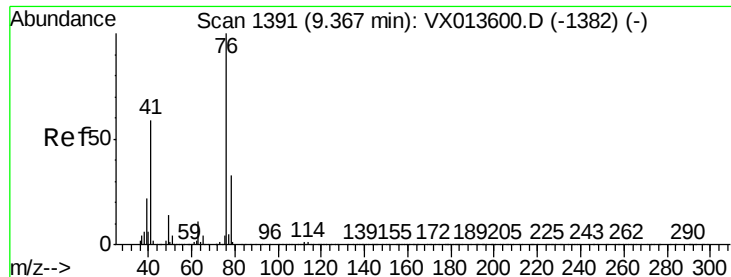
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 710063 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.1  | 67.3  | 100.9  |
| 85       | 54.8  | 43.6  | 65.4   |
| 99       | 62.8  | 48.2  | 72.4   |



#56  
 Ethyl methacrylate  
 Concen: 112.746 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 69    | Resp: | 1217764 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 68.0  | 55.0  | 82.4    |
| 39       | 35.8  | 28.7  | 43.1    |





#57

1,3-Dichloropropane

Concen: 101.729 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

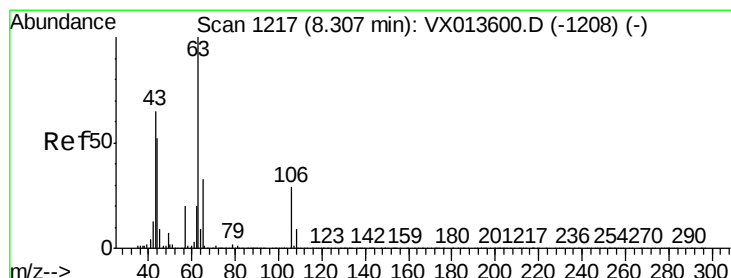
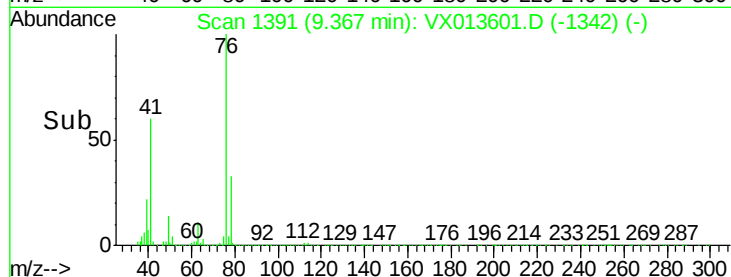
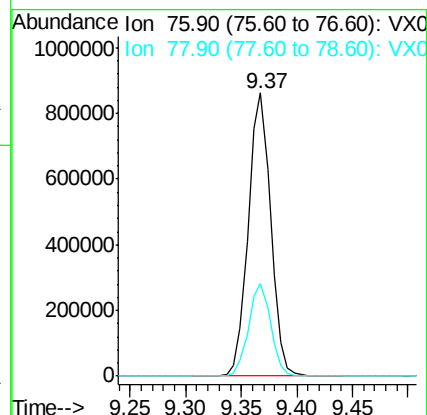
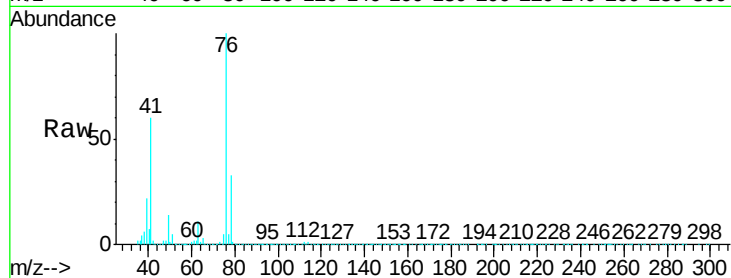
VSTDICC100

Tgt Ion: 76 Resp: 1205084

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 492.538 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013601.D

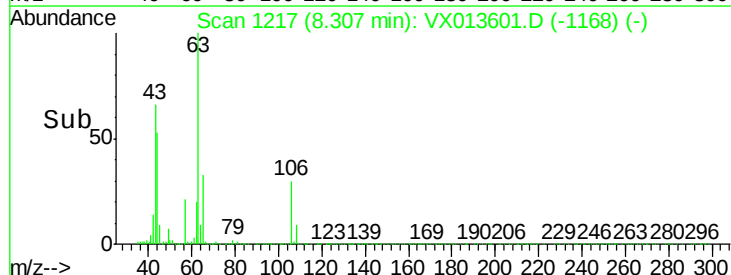
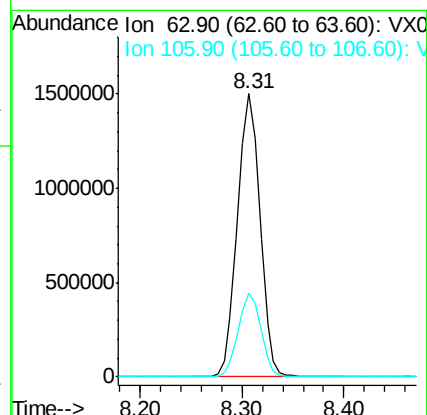
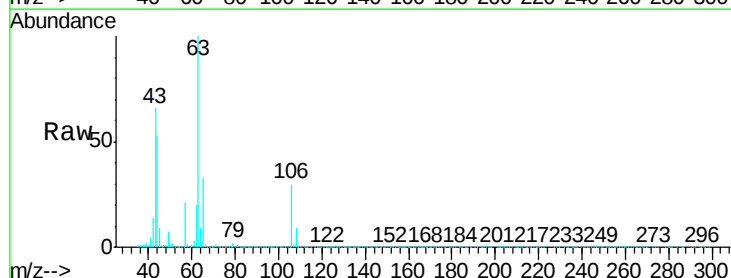
Acq: 26 Nov 2019 15:05

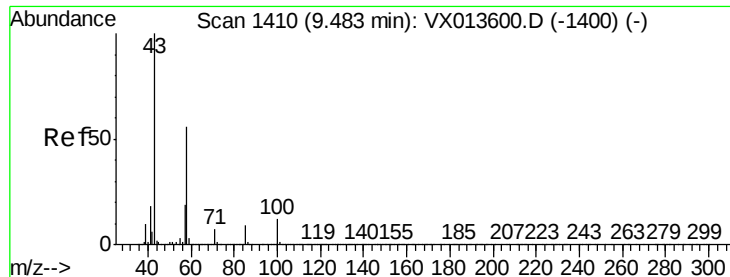
Tgt Ion: 63 Resp: 2299130

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.0

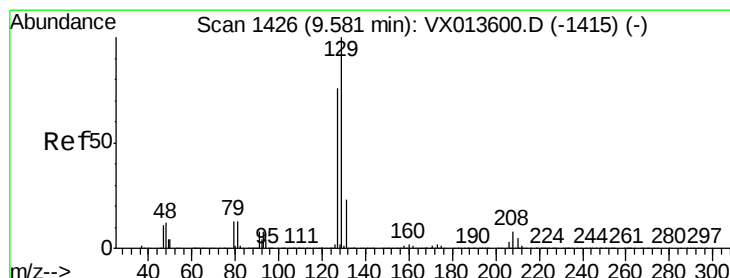
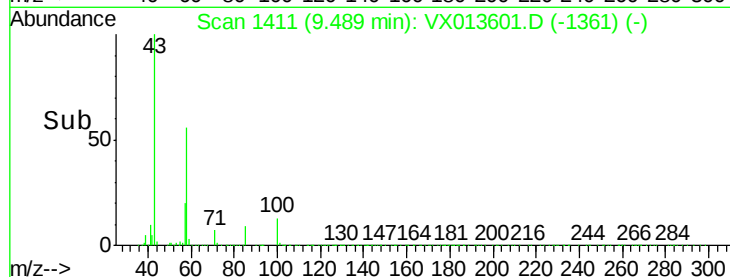
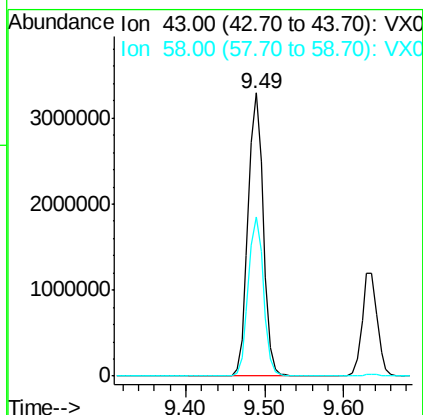
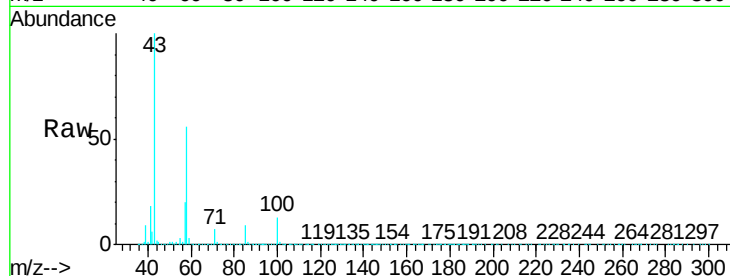




#59  
2-Hexanone  
Concen: 523.388 ug/l  
RT: 9.49 min Scan# 1411  
Delta R.T. 0.01 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

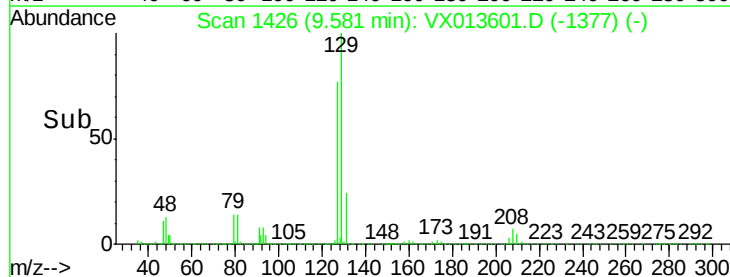
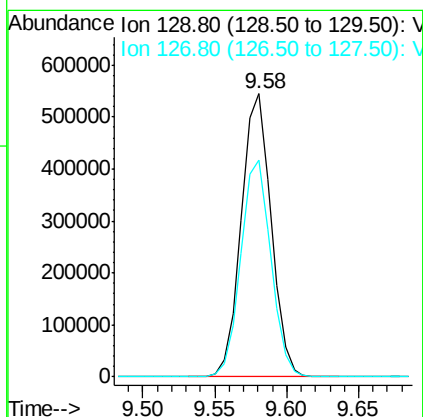
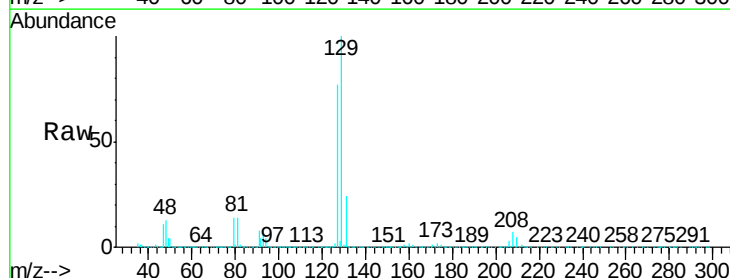
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

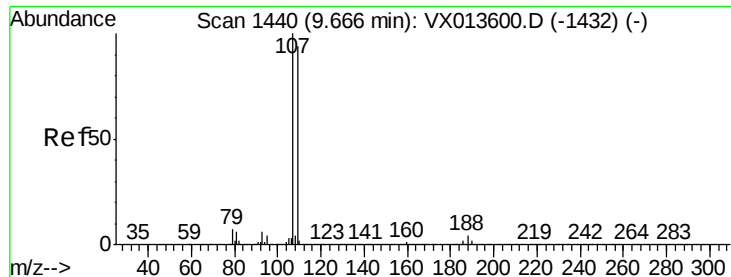
Tgt Ion: 43 Resp: 4413403  
Ion Ratio Lower Upper  
43 100  
58 56.3 28.1 84.4



#60  
Dibromochloromethane  
Concen: 109.564 ug/l  
RT: 9.58 min Scan# 1426  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 129 Resp: 782181  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 102.183 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

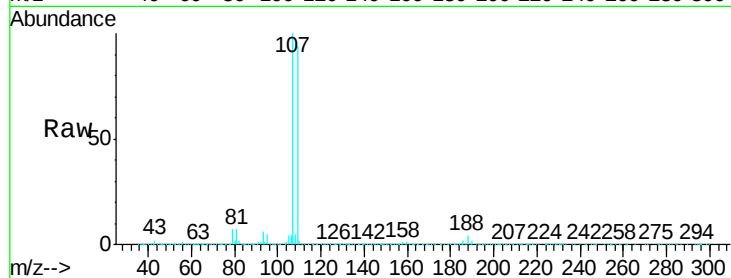
VSTDIC100

Tgt Ion: 107 Resp: 755098

Ion Ratio Lower Upper

107 100

109 94.1 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

600000

500000

400000

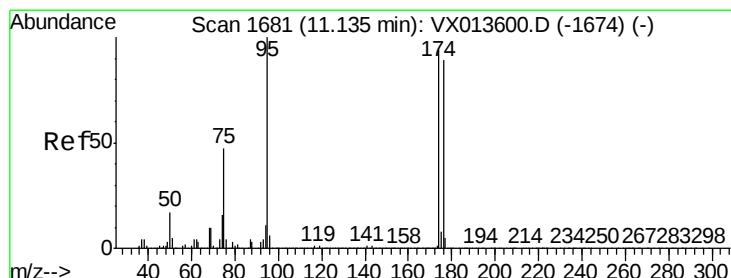
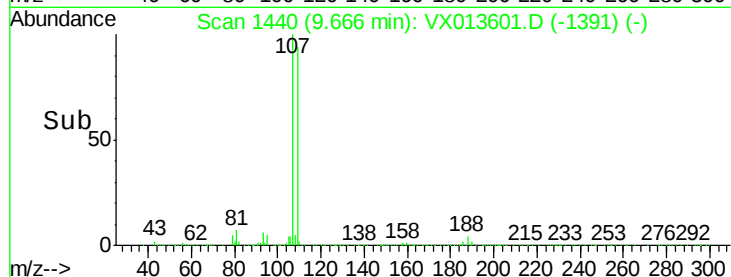
300000

200000

100000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 105.178 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

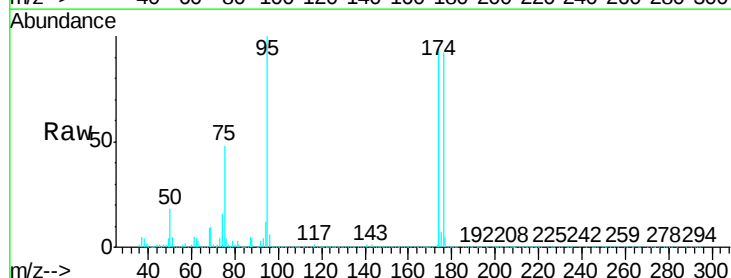
Tgt Ion: 95 Resp: 911152

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 87.3 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

1000000

800000

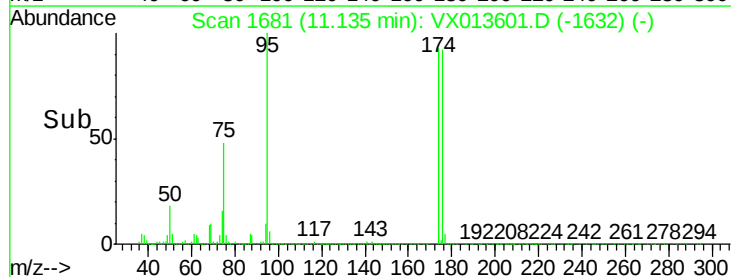
600000

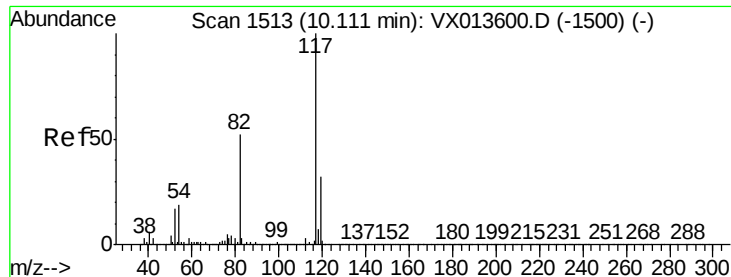
400000

200000

0

Time--> 11.10 11.20

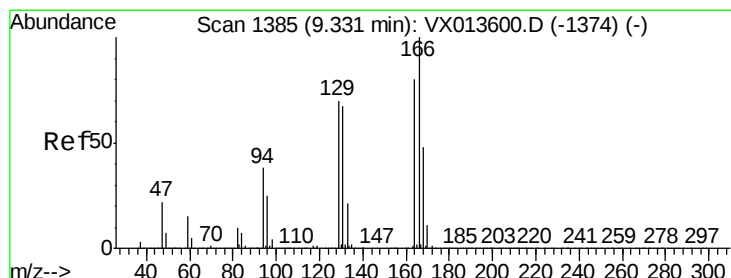
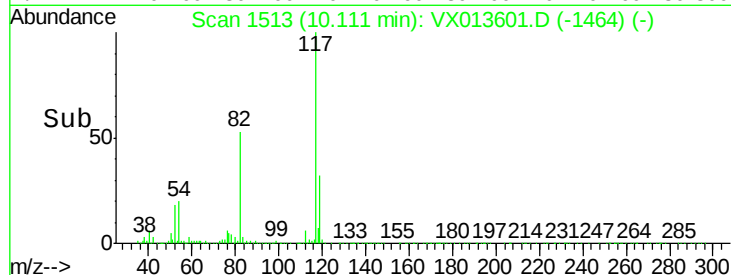
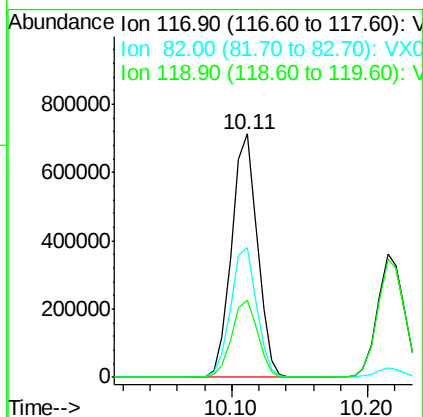
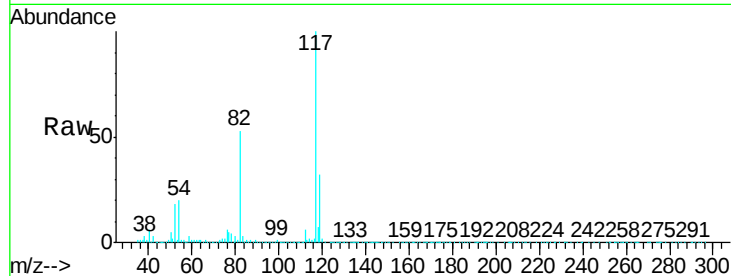




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

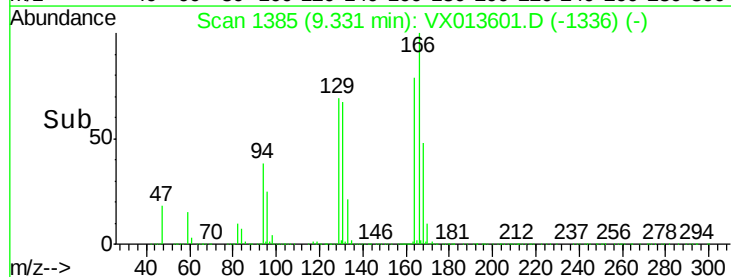
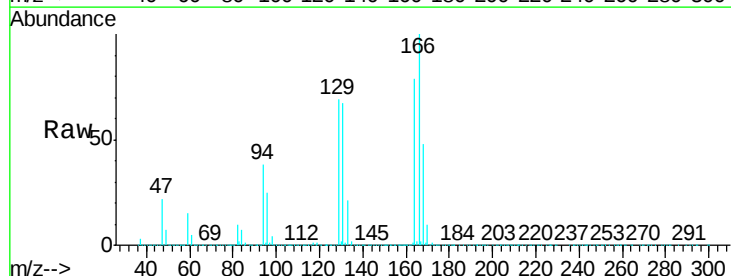
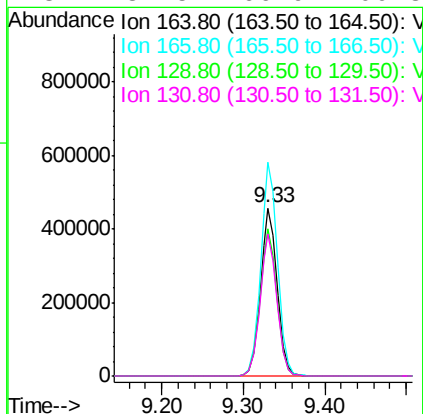
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

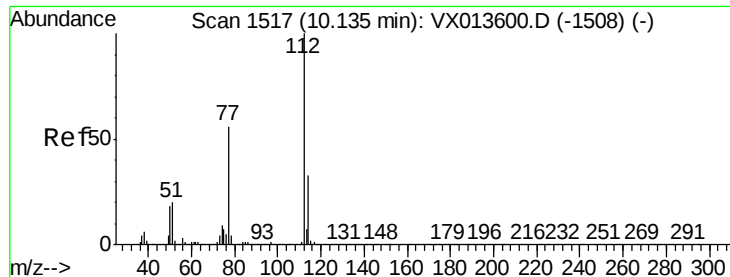
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.4  | 41.8  | 62.8  |
| 119     | 31.6  | 25.8  | 38.8  |



#64  
Tetrachloroethene  
Concen: 97.815 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.9 | 99.7  | 149.5 |
| 129     | 87.4  | 70.1  | 105.1 |
| 131     | 84.5  | 66.9  | 100.3 |





#65

Chlorobenzene

Concen: 100.261 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

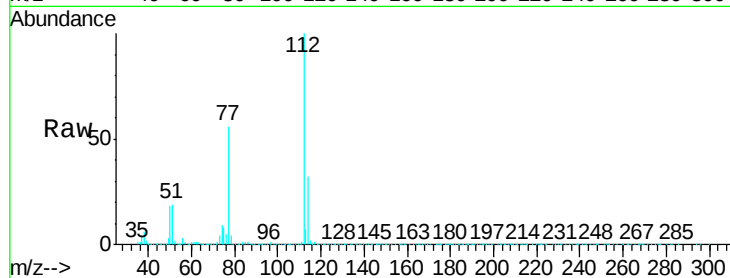
VSTDIC100

Tgt Ion:112 Resp: 1907346

Ion Ratio Lower Upper

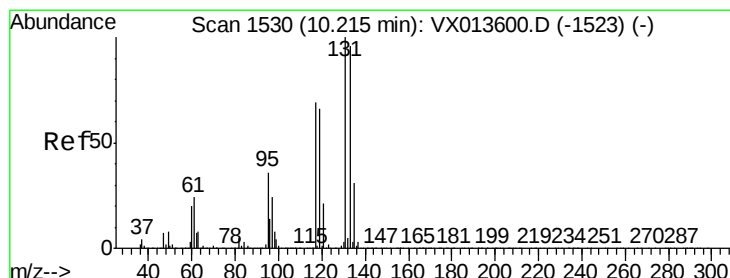
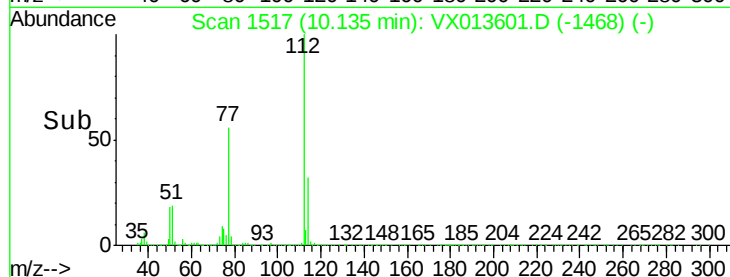
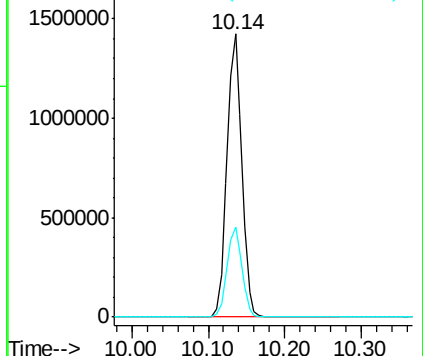
112 100

114 31.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 102.775 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

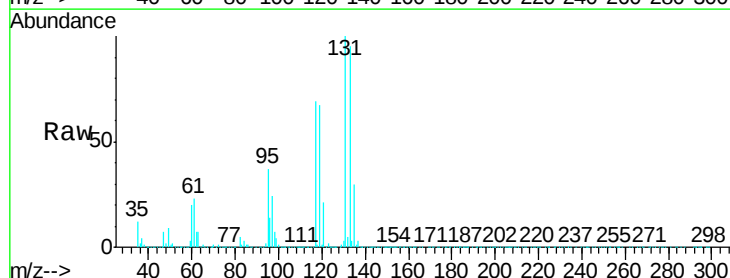
Tgt Ion:131 Resp: 716387

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

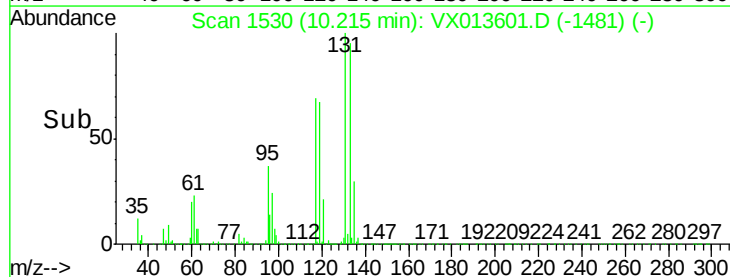
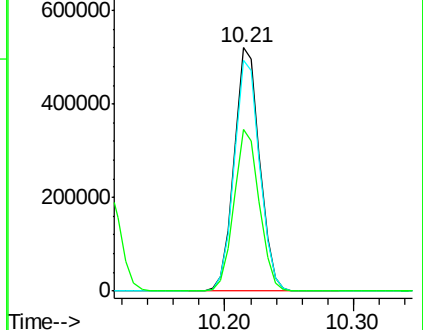
119 66.2 32.9 98.6

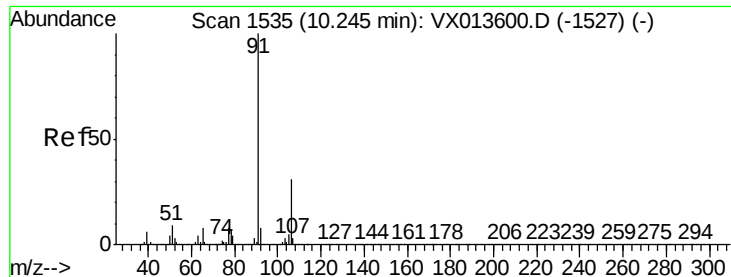


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 102.009 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

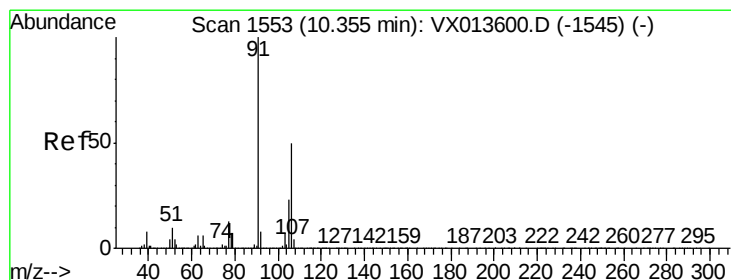
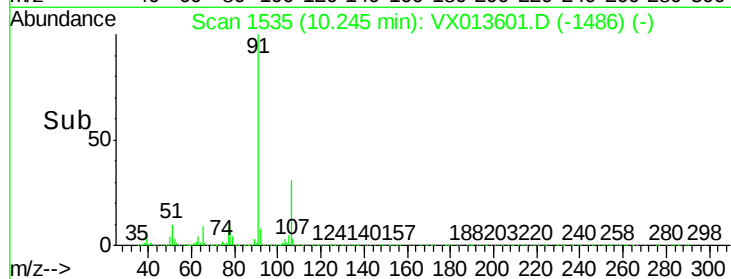
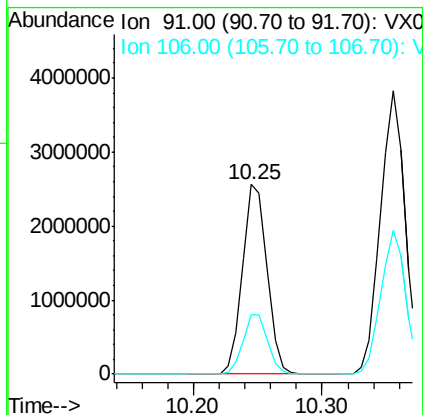
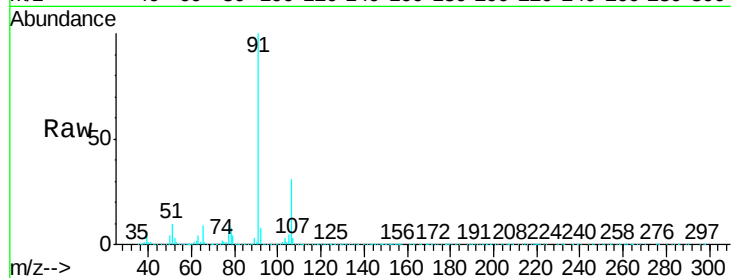
VSTDIC100

Tgt Ion: 91 Resp: 3353117

Ion Ratio Lower Upper

91 100

106 31.5 24.5 36.7



#68

m/p-Xylenes

Concen: 207.312 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013601.D

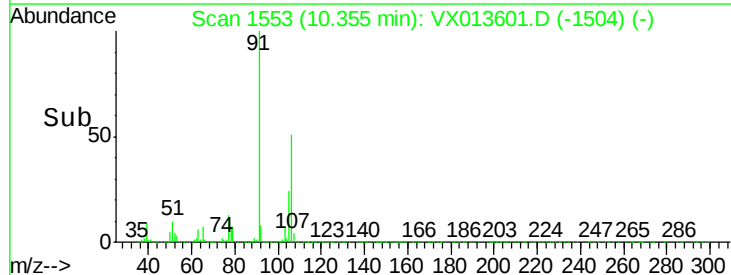
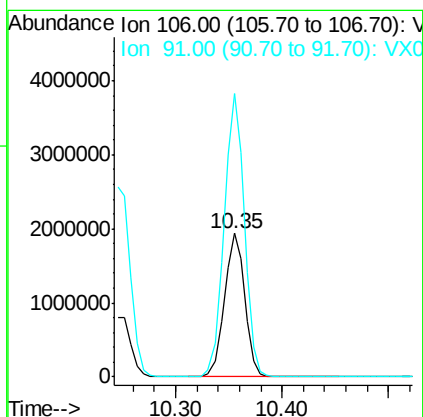
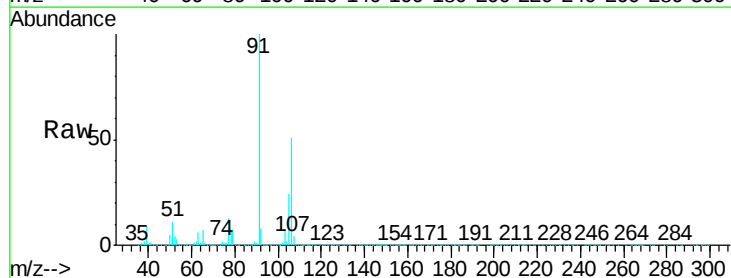
Acq: 26 Nov 2019 15:05

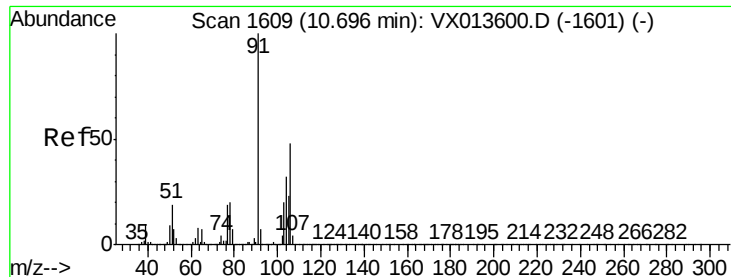
Tgt Ion: 106 Resp: 2570497

Ion Ratio Lower Upper

106 100

91 197.4 159.0 238.4

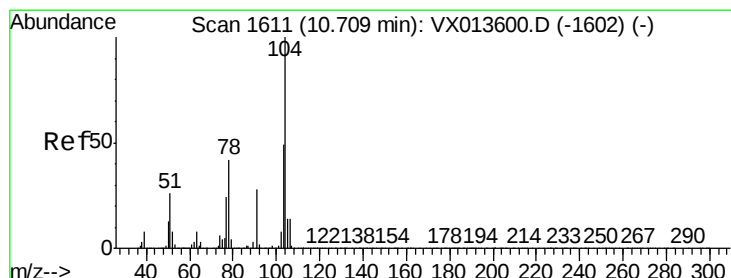
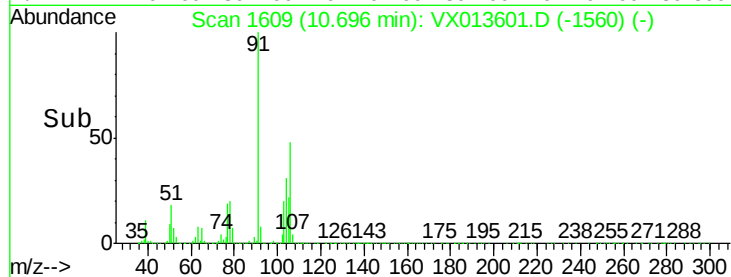
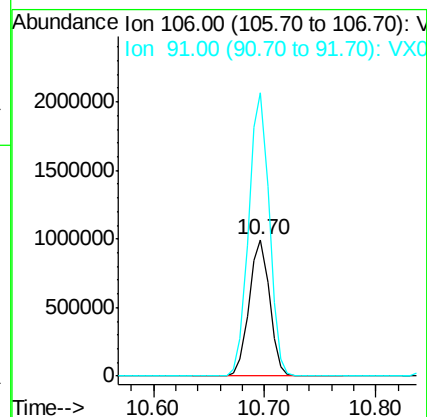
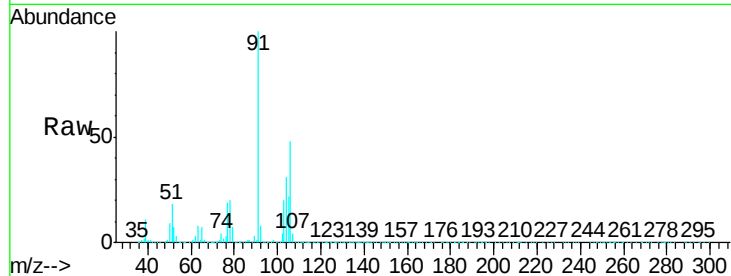




#69  
o-Xylene  
Concen: 103.474 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

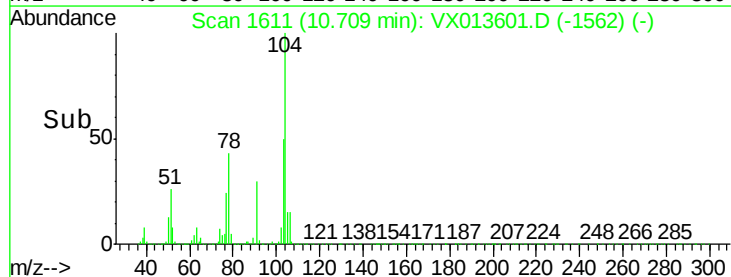
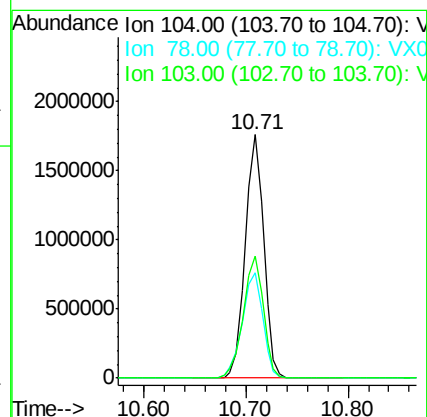
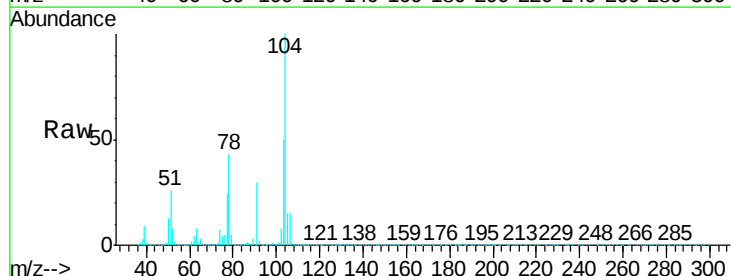
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

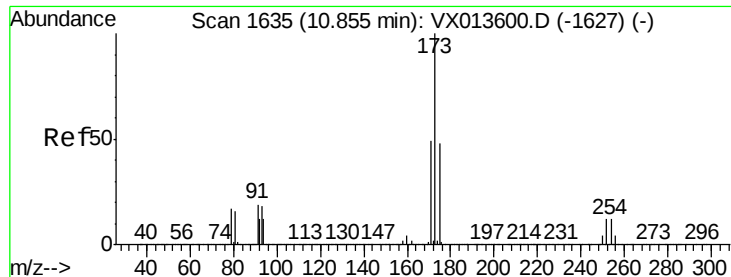
Tgt Ion:106 Resp: 1261068  
Ion Ratio Lower Upper  
106 100  
91 209.6 104.1 312.2



#70  
Styrene  
Concen: 108.044 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion:104 Resp: 2195080  
Ion Ratio Lower Upper  
104 100  
78 48.4 38.5 57.7  
103 54.5 43.7 65.5





#71

Bromoform

Concen: 113.272 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

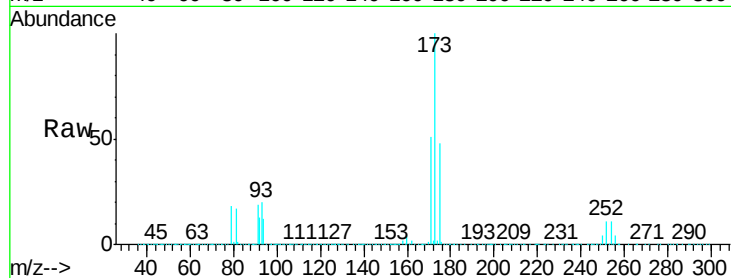
Tgt Ion:173 Resp: 638895

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

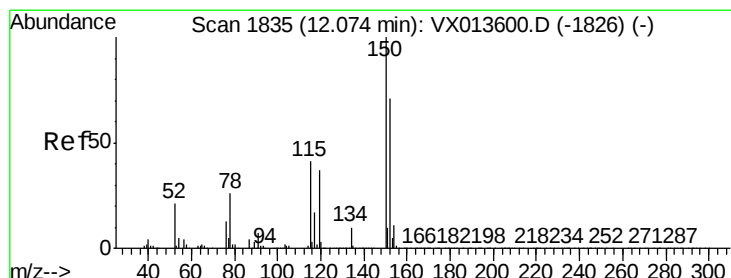
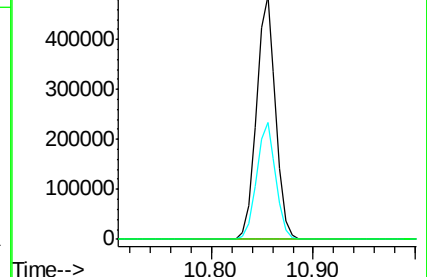
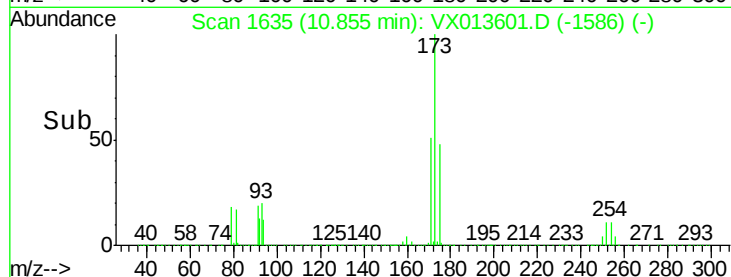
254 0.2 0.2 0.4#



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: VX013601.D

Acq: 26 Nov 2019 15:05

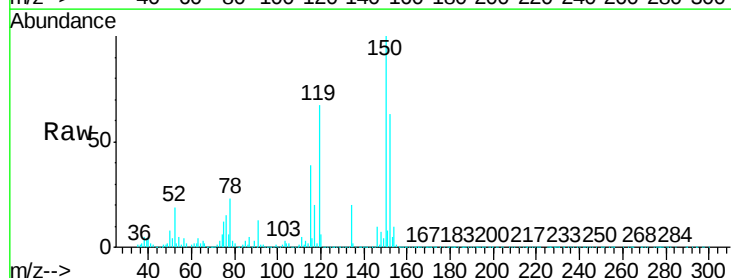
Tgt Ion:152 Resp: 491755

Ion Ratio Lower Upper

152 100

115 98.3 38.4 115.1

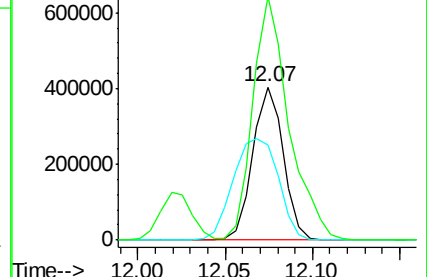
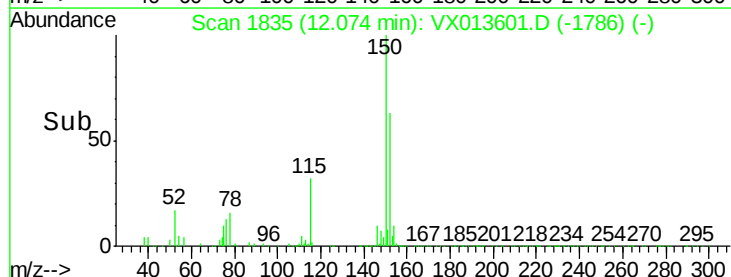
150 188.2 0.0 346.8

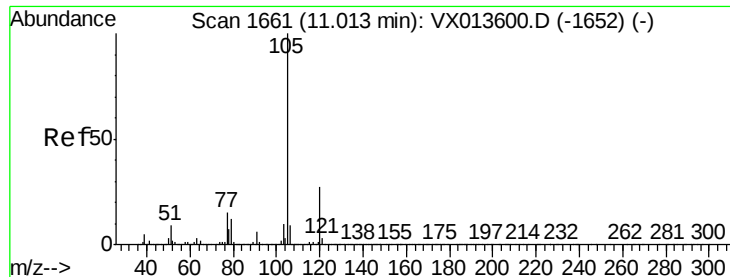


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.691 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

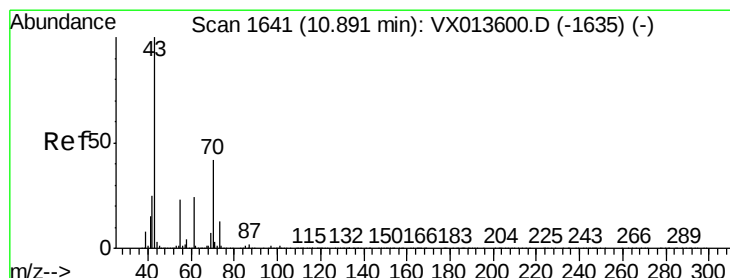
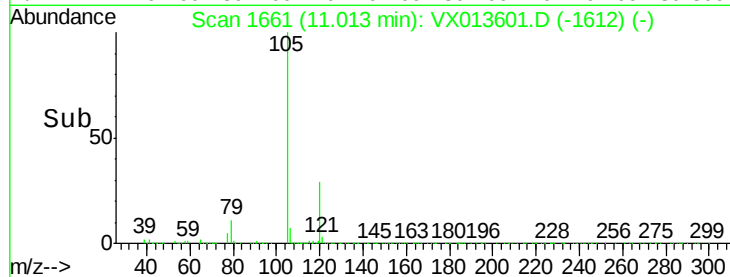
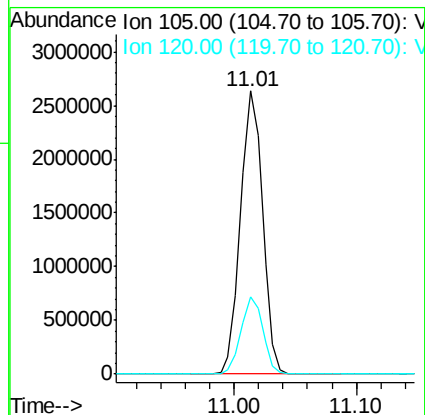
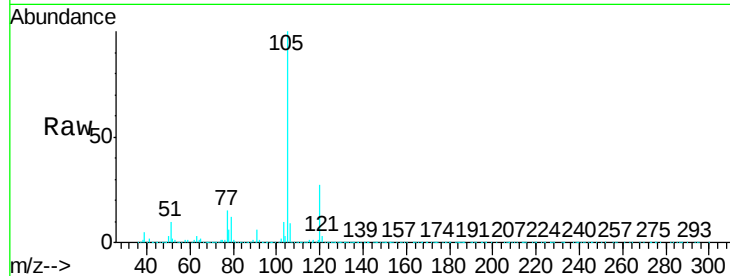
VSTDIC100

Tgt Ion:105 Resp: 3287831

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 108.355 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion: 43 Resp: 1632458

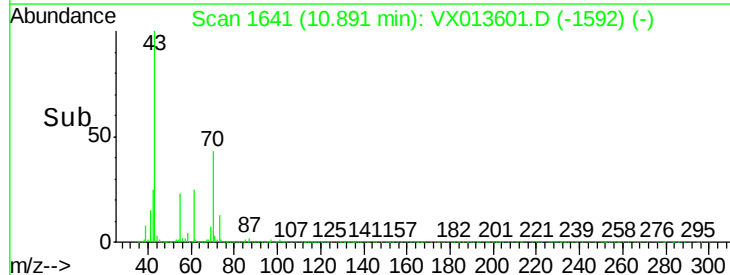
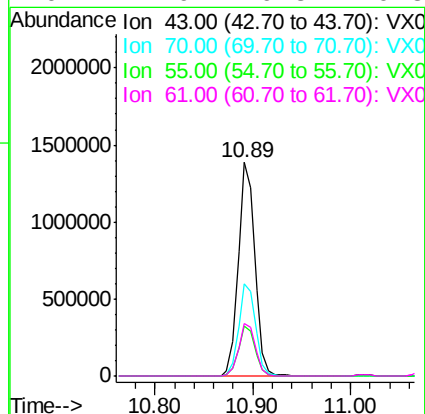
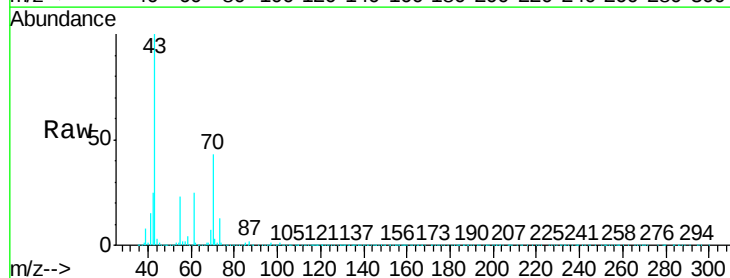
Ion Ratio Lower Upper

43 100

70 43.7 34.3 51.5

55 23.4 18.5 27.7

61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 97.903 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

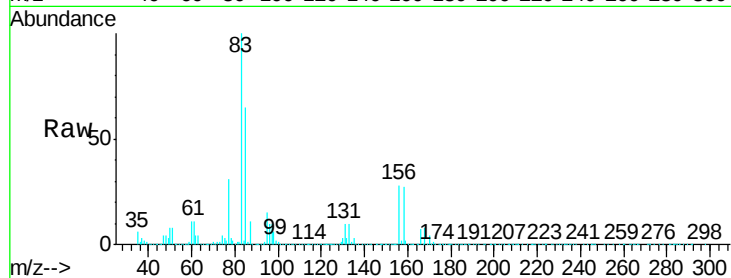
Tgt Ion: 83 Resp: 1159671

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

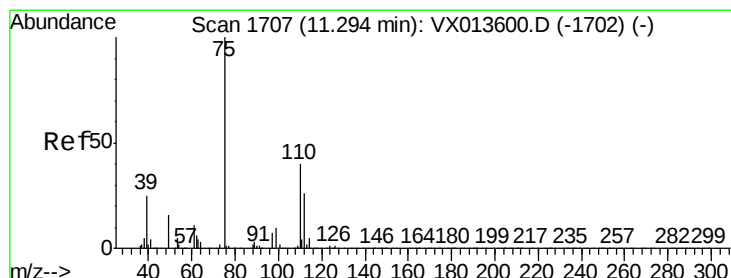
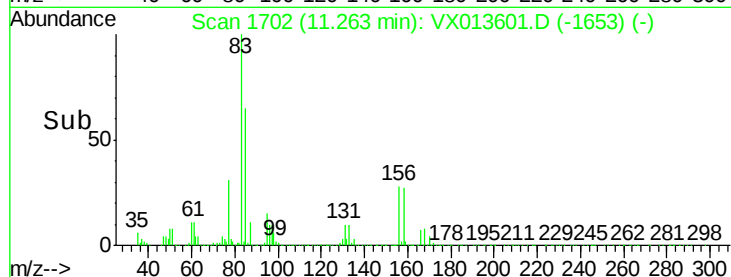
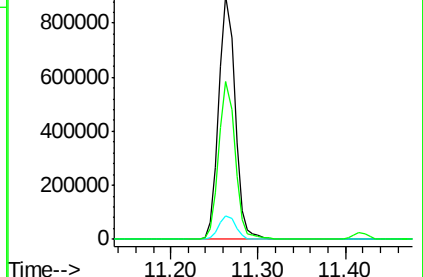
85 65.0 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 133.173 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013601.D

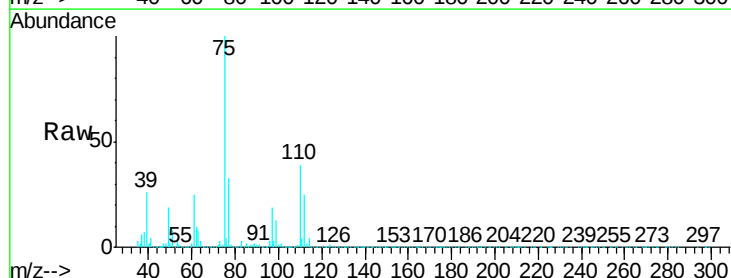
Acq: 26 Nov 2019 15:05

Tgt Ion: 75 Resp: 1362684

Ion Ratio Lower Upper

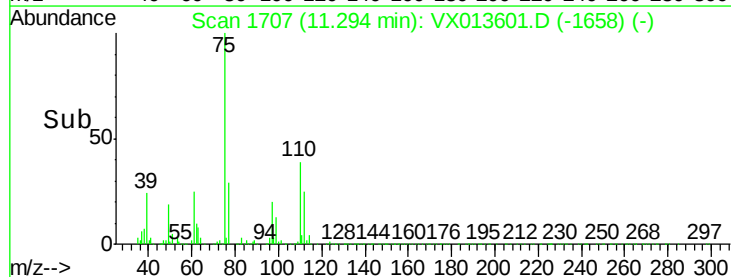
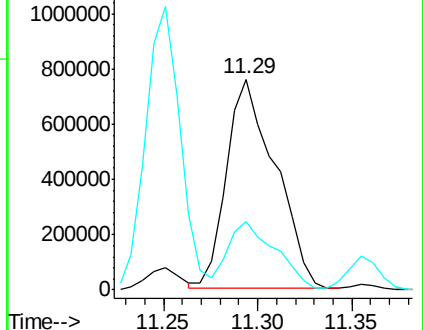
75 100

77 31.8 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 101.878 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

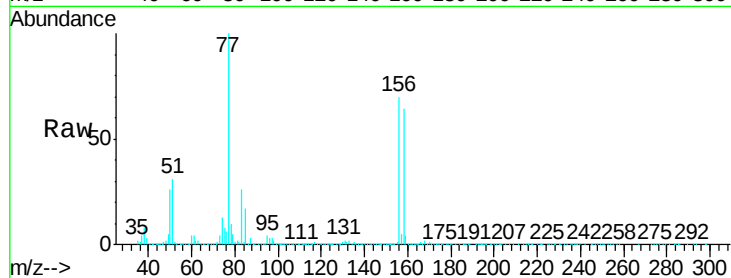
Tgt Ion:156 Resp: 886782

Ion Ratio Lower Upper

156 100

77 148.8 74.4 223.1

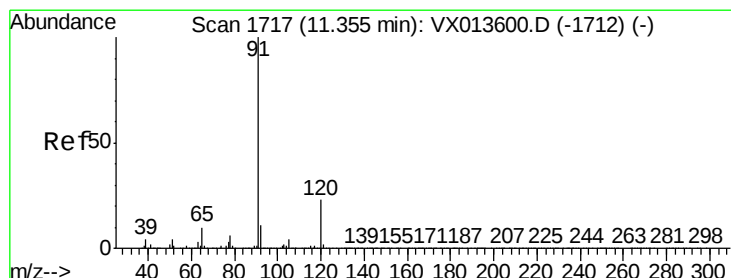
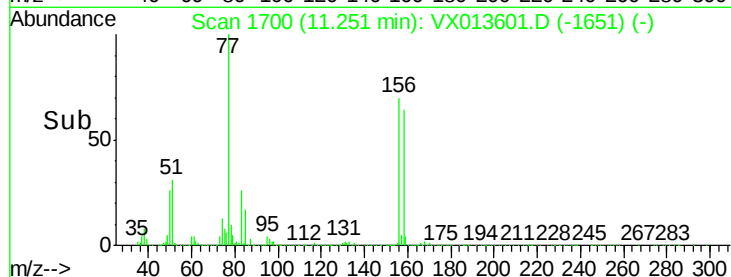
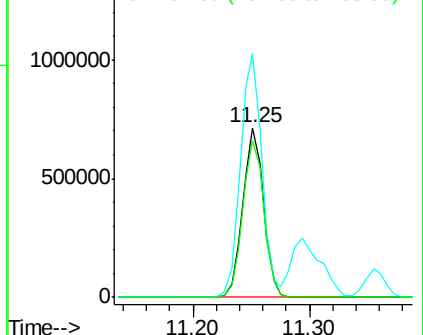
158 94.7 48.9 146.6



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: 103.266 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013601.D

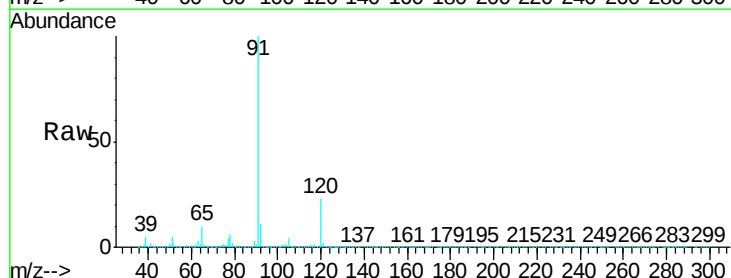
Acq: 26 Nov 2019 15:05

Tgt Ion: 91 Resp: 3748087

Ion Ratio Lower Upper

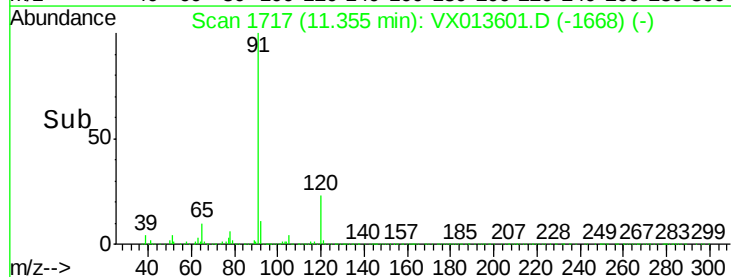
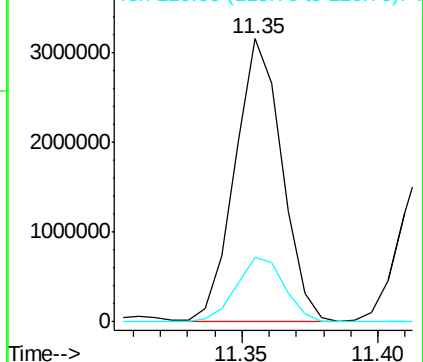
91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.464 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

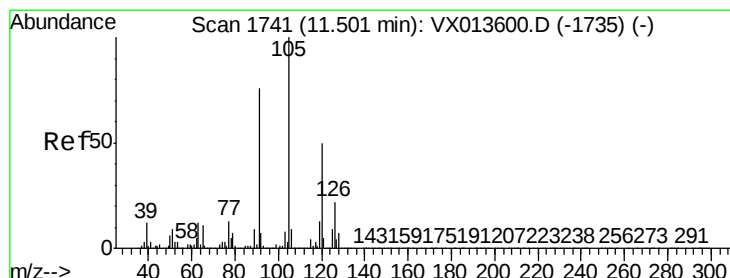
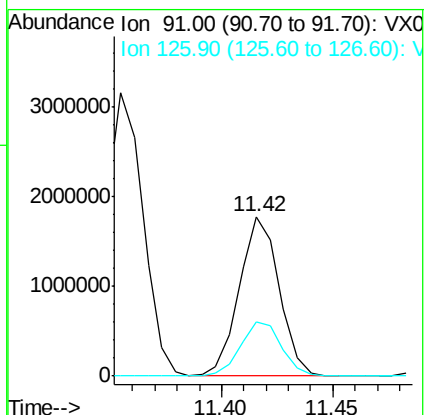
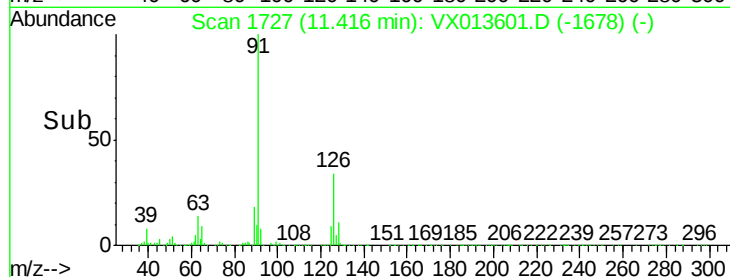
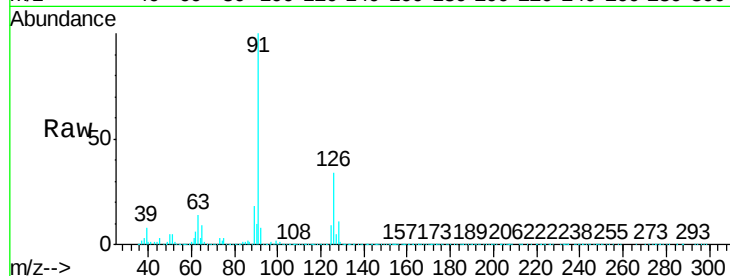
VSTDIC100

Tgt Ion: 91 Resp: 2218351

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 103.661 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013601.D

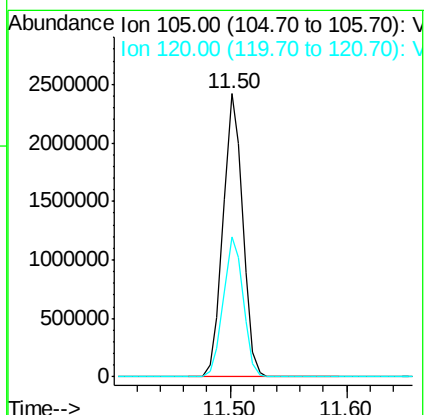
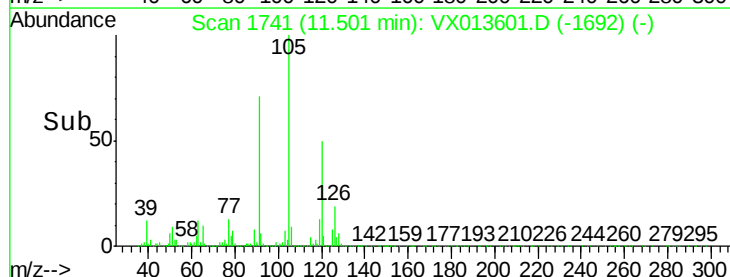
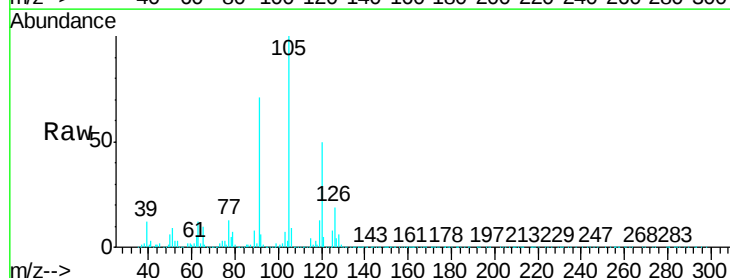
Acq: 26 Nov 2019 15:05

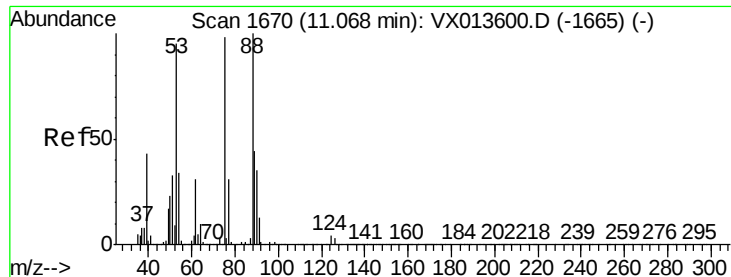
Tgt Ion: 105 Resp: 2810538

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 109.579 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

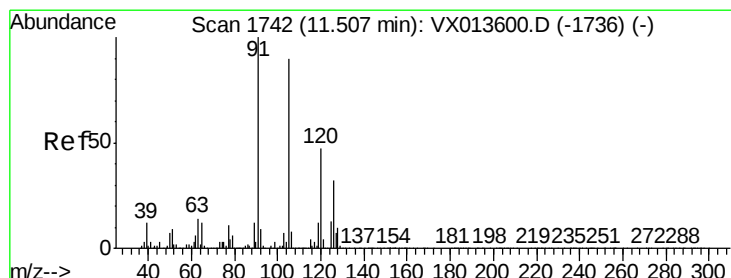
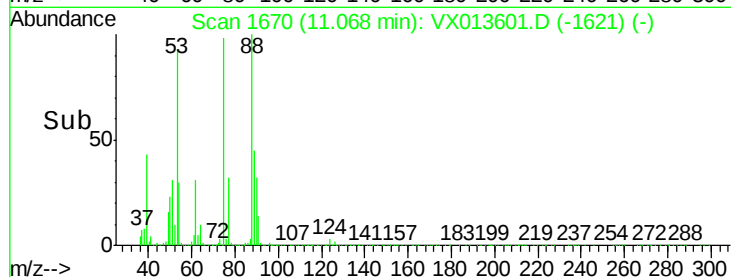
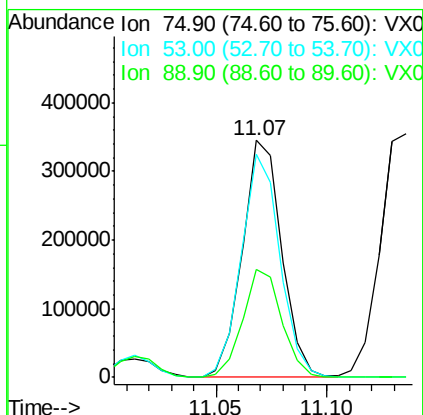
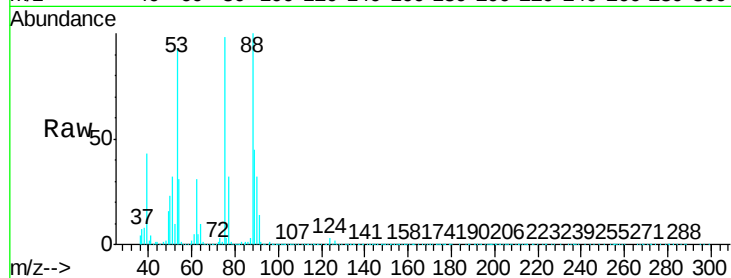
Tgt Ion: 75 Resp: 424683

Ion Ratio Lower Upper

75 100

53 92.8 78.2 117.2

89 45.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 101.413 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013601.D

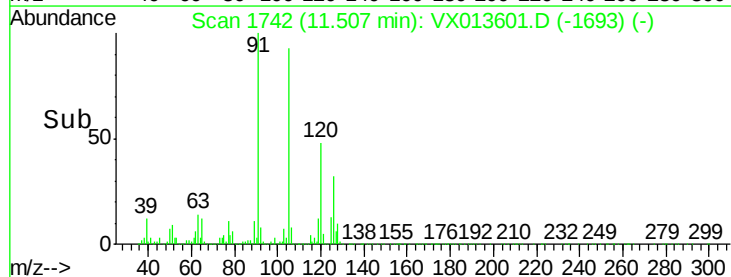
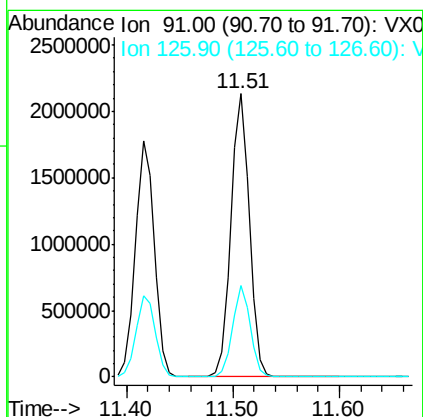
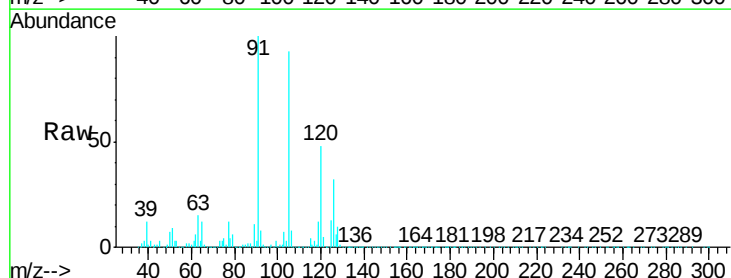
Acq: 26 Nov 2019 15:05

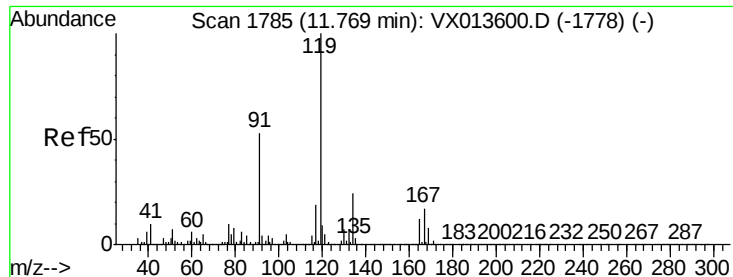
Tgt Ion: 91 Resp: 2593252

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.0

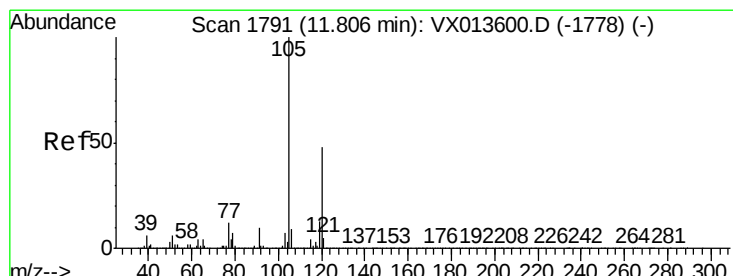
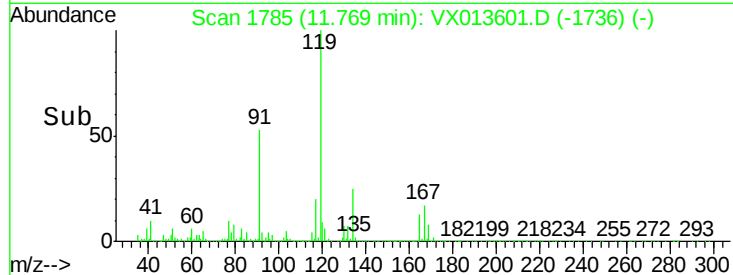
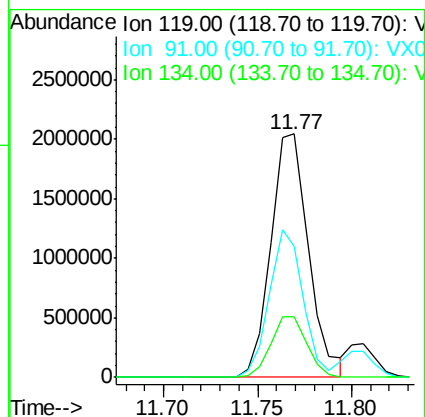
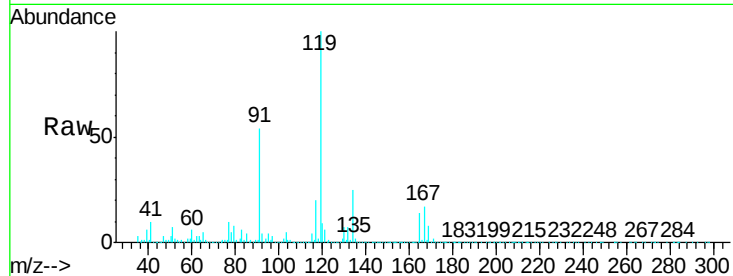




#83  
 tert-Butylbenzene  
 Concen: 104.402 ug/l  
 RT: 11.77 min Scan# 1785  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

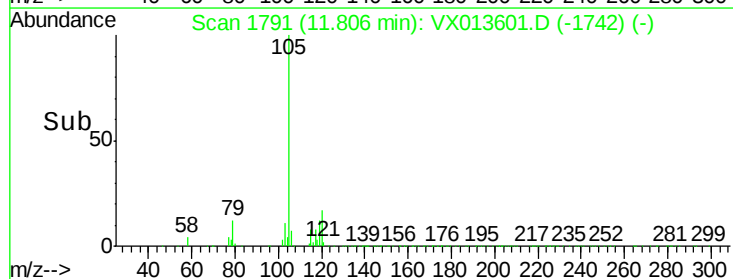
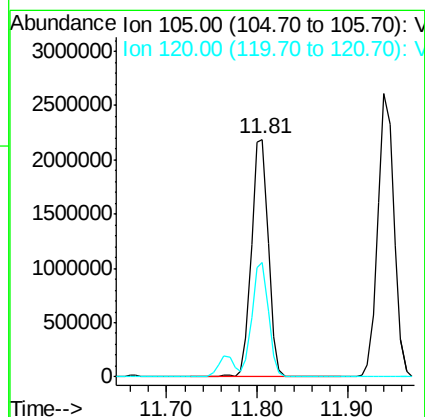
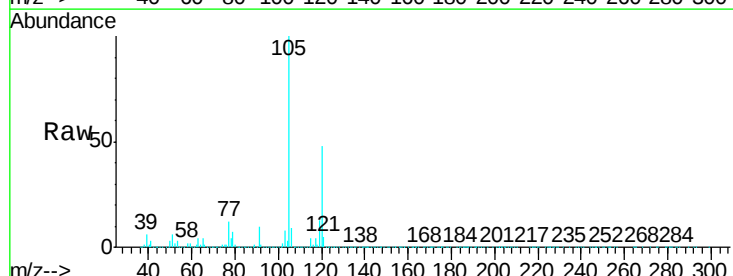
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

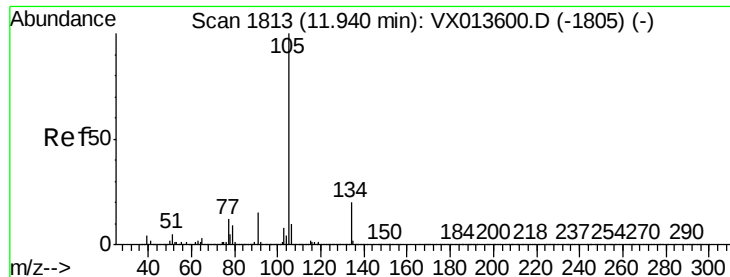
Tgt Ion:119 Resp: 2844315  
 Ion Ratio Lower Upper  
 119 100  
 91 54.0 27.2 81.6  
 134 23.8 11.7 35.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 103.641 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

Tgt Ion:105 Resp: 2815876  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 103.263 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

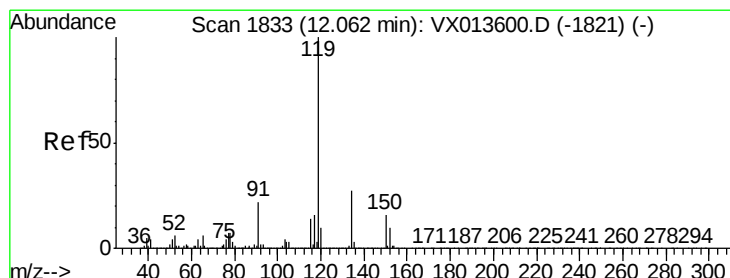
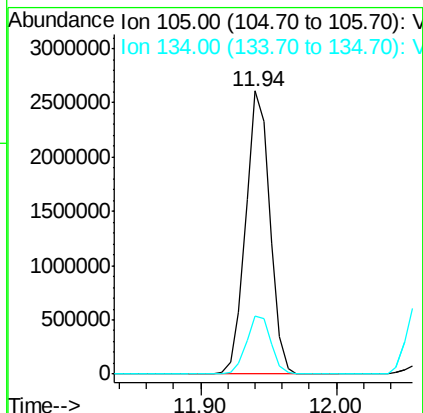
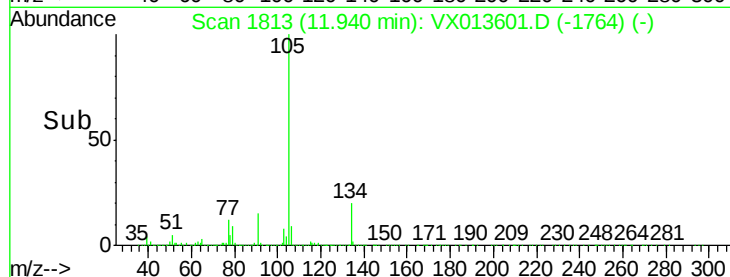
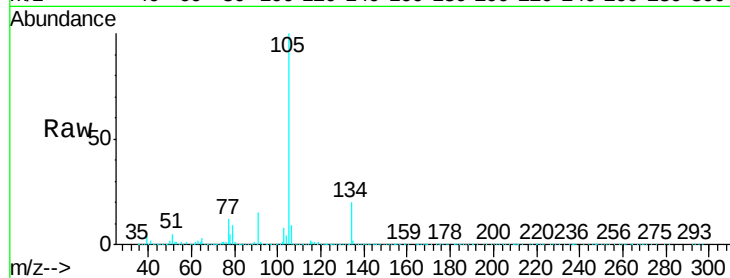
VSTDIC100

Tgt Ion:105 Resp: 3241072

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 104.511 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

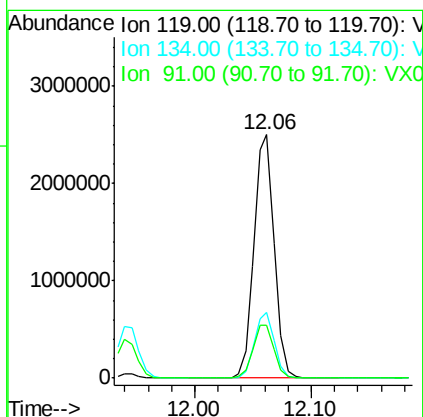
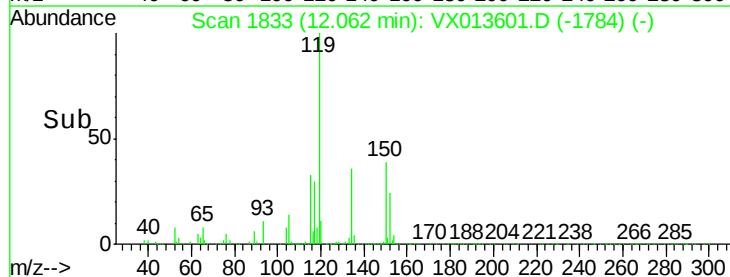
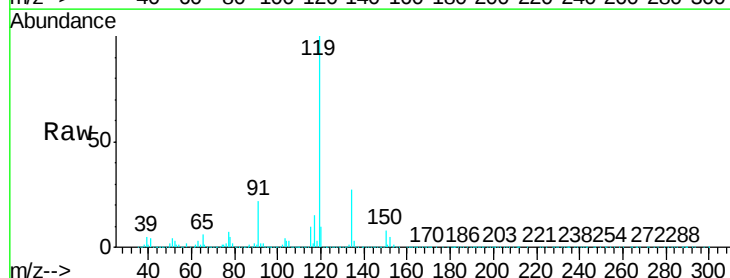
Tgt Ion:119 Resp: 3017882

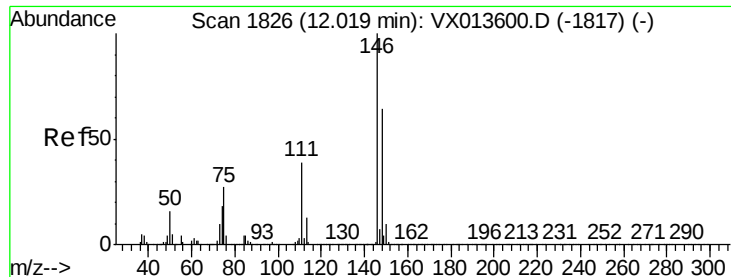
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 101.693 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

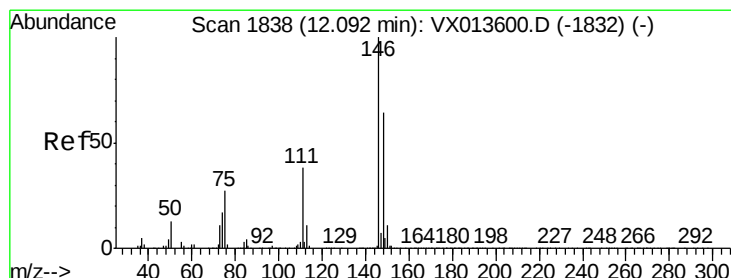
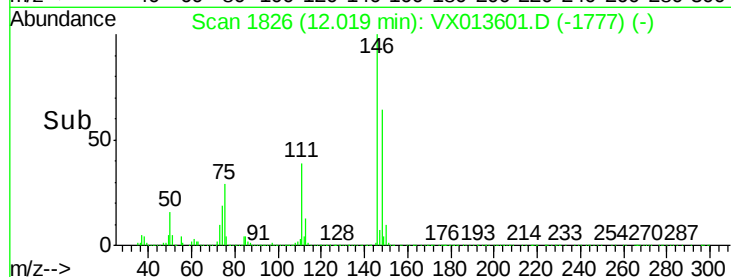
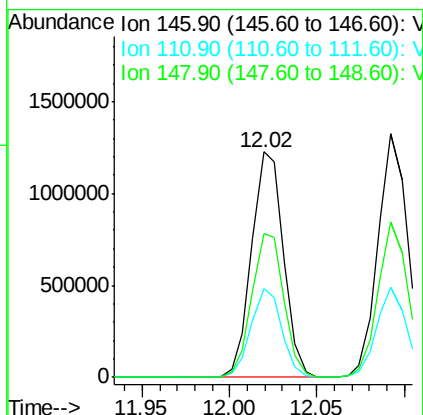
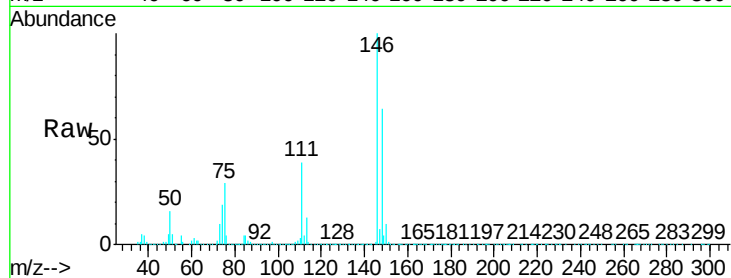
Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion:146 Resp: 1573346

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.1  | 19.0  | 57.0  |
| 148 | 64.0  | 31.8  | 95.4  |



#88

1,4-Dichlorobenzene

Concen: 99.612 ug/l

RT: 12.09 min Scan# 1838

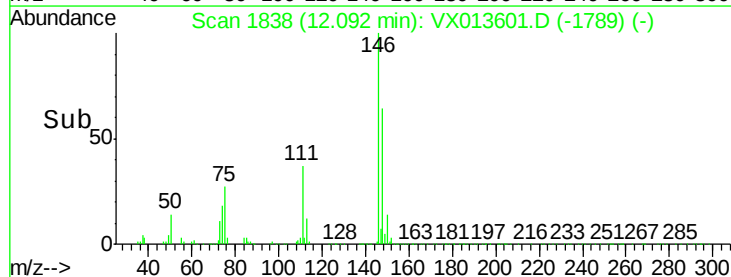
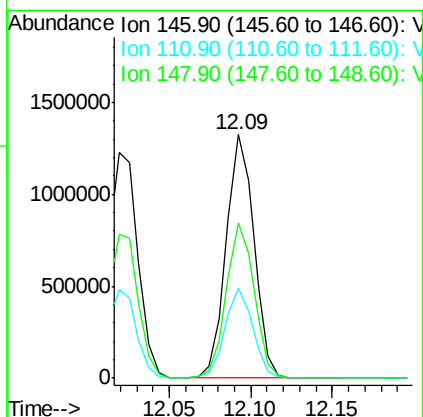
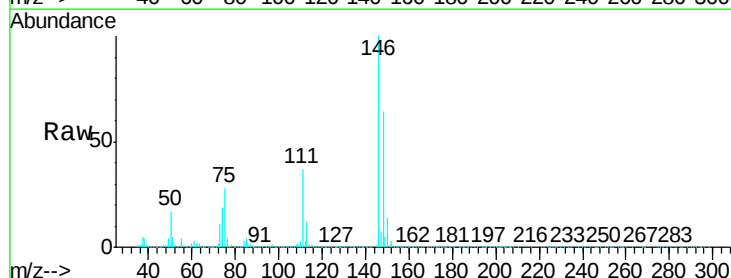
Delta R.T. 0.00 min

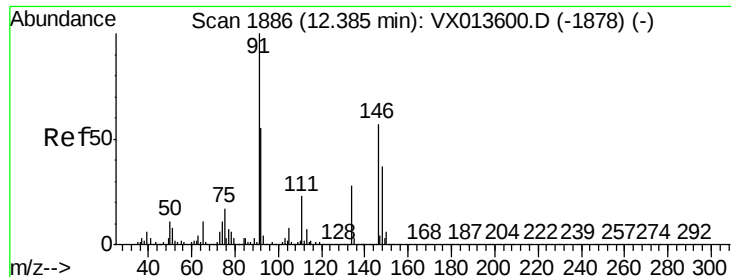
Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Tgt Ion:146 Resp: 1568552

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.8  | 18.9  | 56.9  |
| 148 | 63.9  | 31.9  | 95.5  |

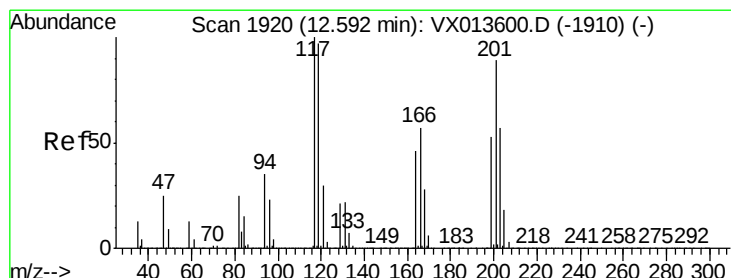
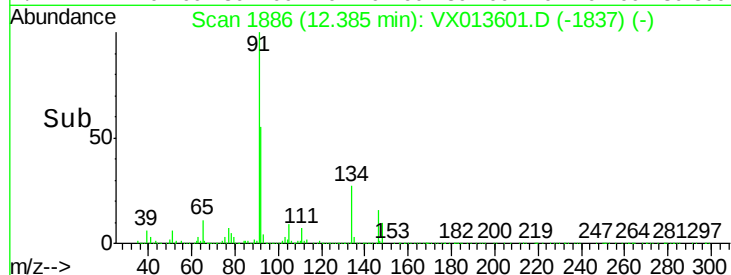
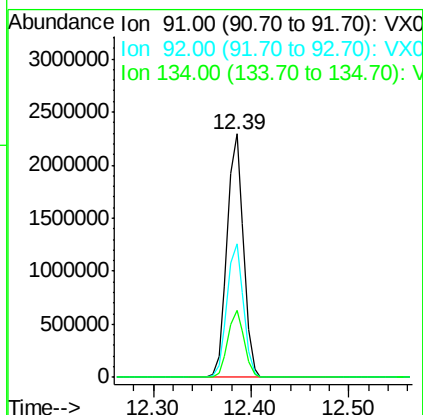
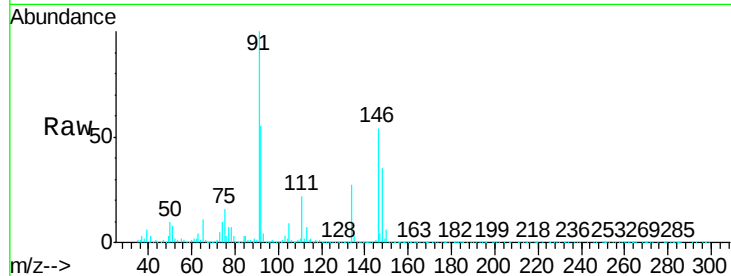




#89  
n-Butylbenzene  
Concen: 106.329 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

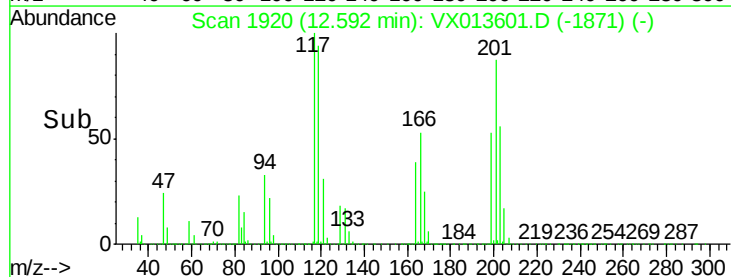
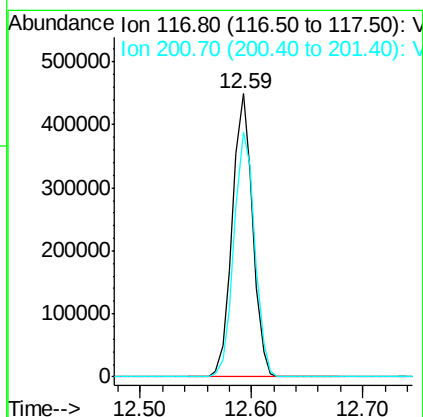
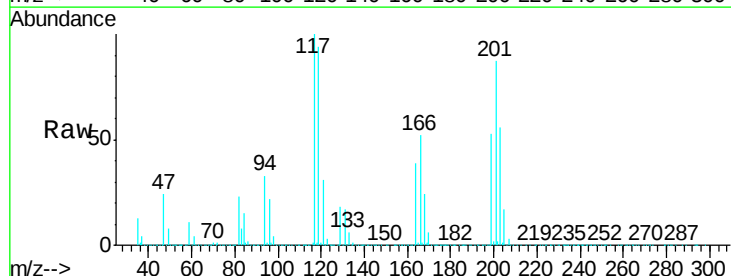
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

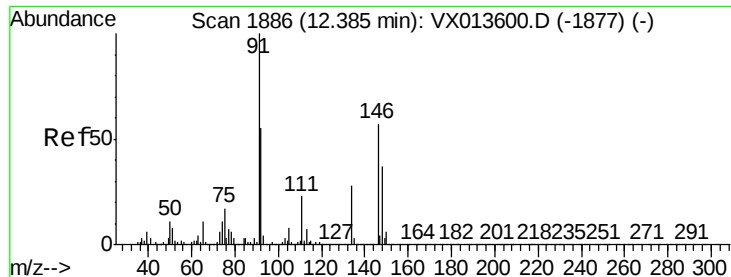
Tgt Ion: 91 Resp: 2670466  
Ion Ratio Lower Upper  
91 100  
92 55.2 27.4 82.2  
134 27.1 13.5 40.4



#90  
Hexachloroethane  
Concen: 109.866 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX013601.D  
Acq: 26 Nov 2019 15:05

Tgt Ion: 117 Resp: 566022  
Ion Ratio Lower Upper  
117 100  
201 88.8 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 100.766 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

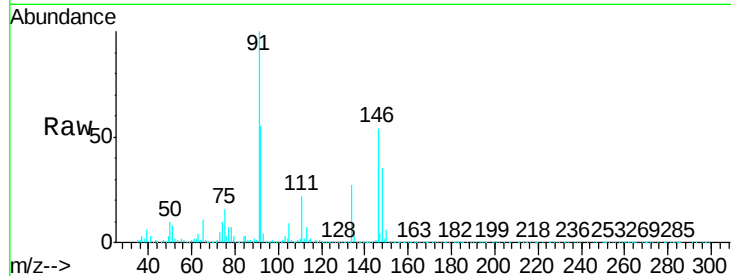
Tgt Ion:146 Resp: 1559272

Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.7

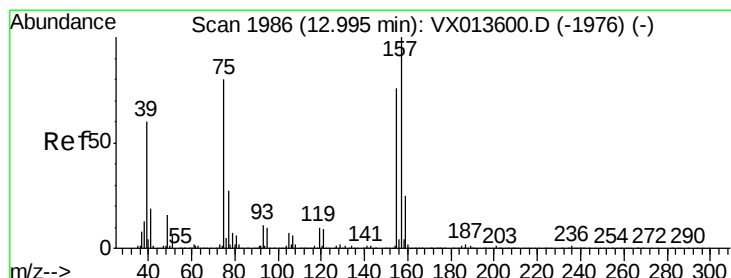
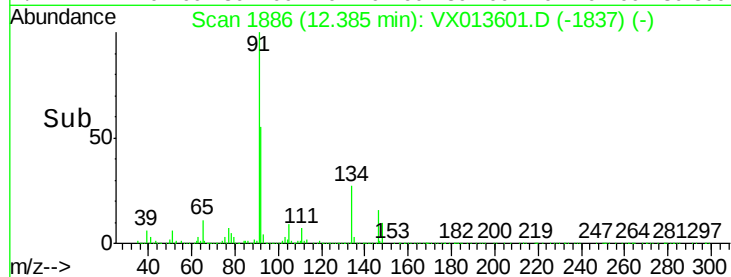
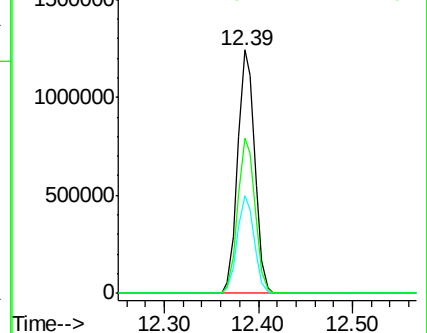
148 64.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 94.250 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

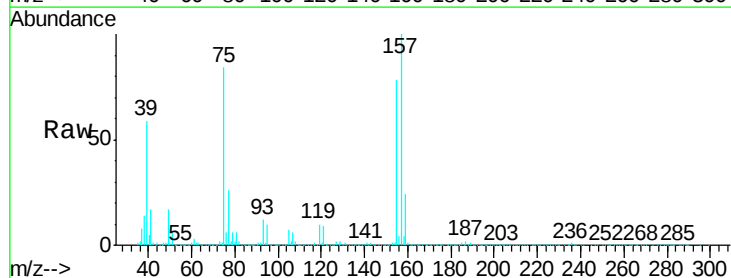
Tgt Ion: 75 Resp: 269299

Ion Ratio Lower Upper

75 100

155 97.9 47.6 142.8

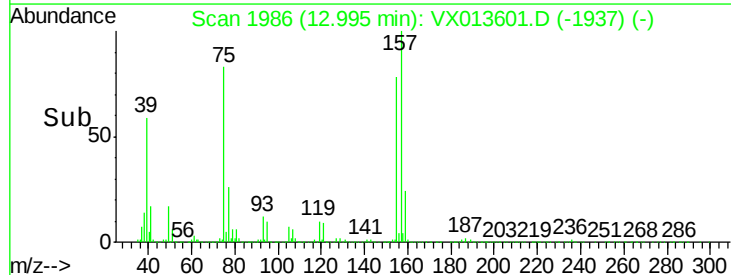
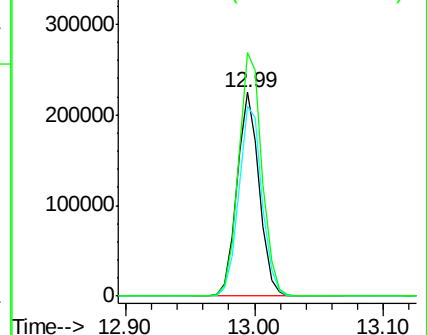
157 125.7 62.1 186.2

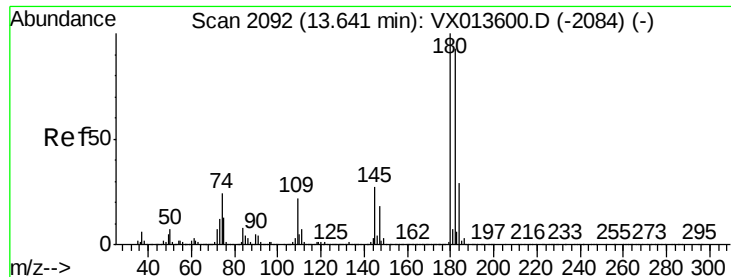


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

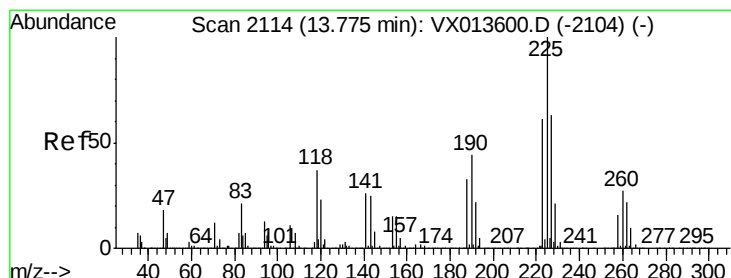
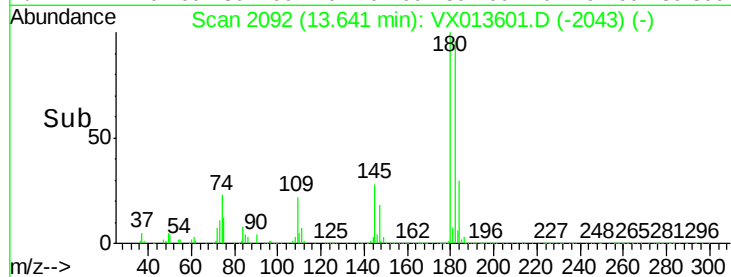
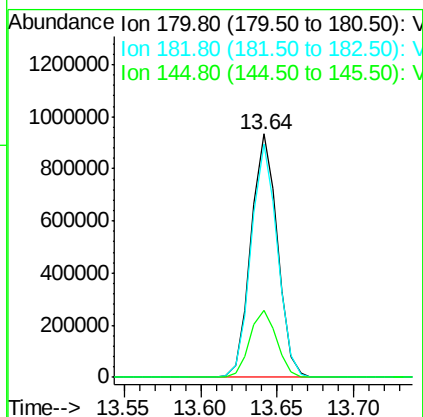
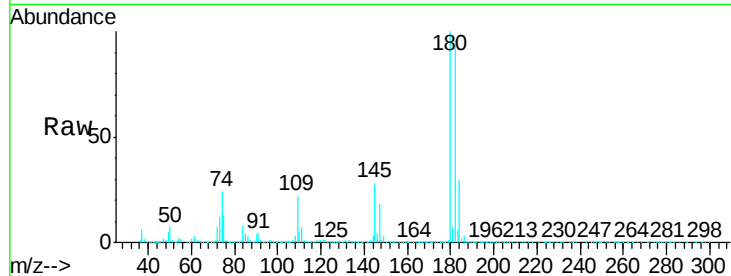




#93  
 1,2,4-Trichlorobenzene  
 Concen: 103.935 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

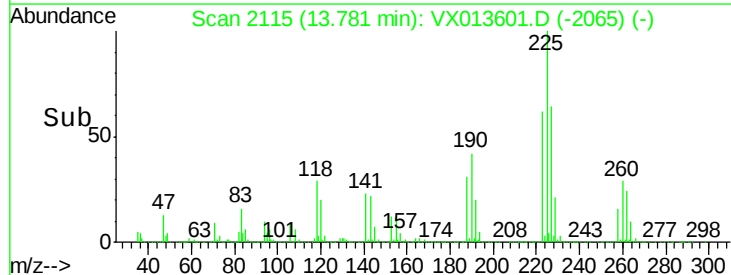
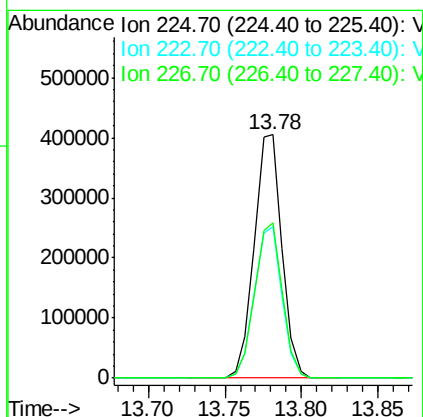
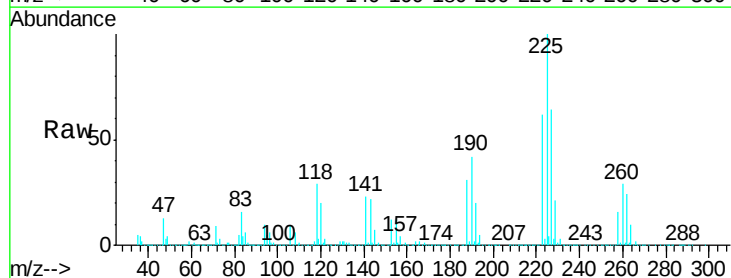
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

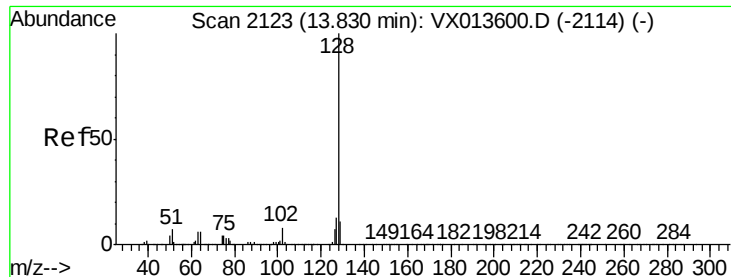
Tgt Ion:180 Resp: 1119267  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 47.2 141.6  
 145 28.1 13.8 41.4



#94  
 Hexachlorobutadiene  
 Concen: 98.035 ug/l  
 RT: 13.78 min Scan# 2115  
 Delta R.T. 0.01 min  
 Lab File: VX013601.D  
 Acq: 26 Nov 2019 15:05

Tgt Ion:225 Resp: 511668  
 Ion Ratio Lower Upper  
 225 100  
 223 62.0 31.9 95.5  
 227 63.4 32.1 96.3





#95

Naphthalene

Concen: 104.524 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

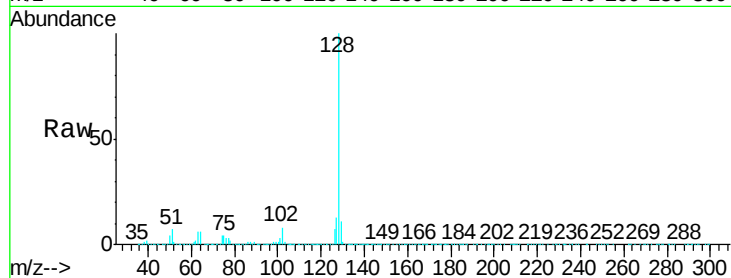
Tgt Ion:128 Resp: 3489729

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

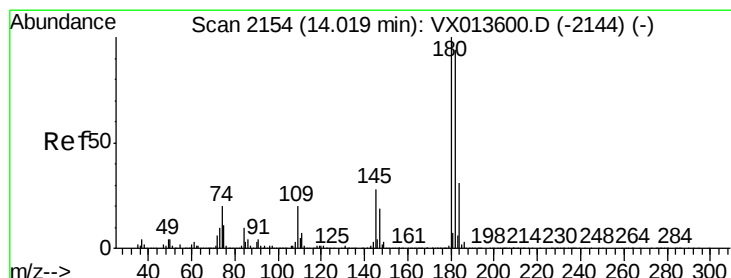
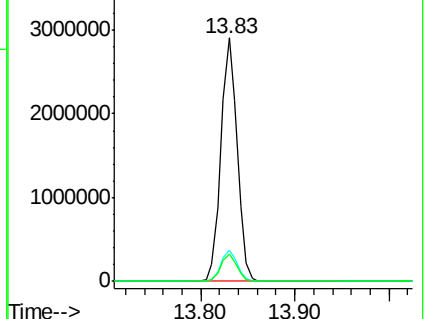
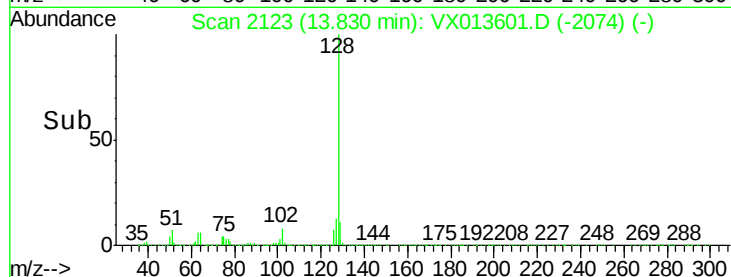
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.718 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX013601.D

Acq: 26 Nov 2019 15:05

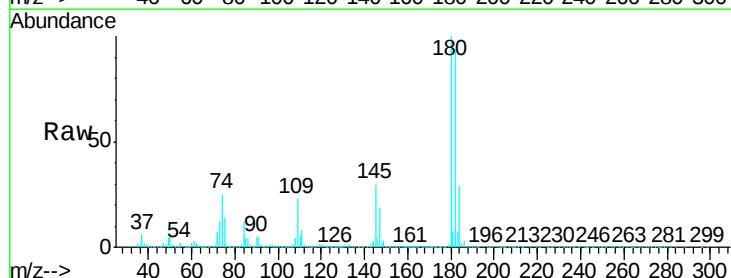
Tgt Ion:180 Resp: 1125083

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.8

145 29.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

