

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\  
 Data File : VX008533.D  
 Acq On : 28 Mar 2019 20:29  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 11:19:44 AM

Quant Time: Apr 02 11:08:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 183701   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 319081   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 284357   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 136808   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 135708   | 48.73 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.46% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 101438   | 48.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.52% |          |
| 50) Toluene-d8              | 8.71  | 98   | 404163   | 48.58 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.16% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 149450   | 48.48 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.96% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 93956    | 43.391  | ug/l  | 100    |
| 3) Chloromethane              | 1.32 | 50   | 121992   | 44.574  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62   | 130720   | 43.237  | ug/l  | 99     |
| 5) Bromomethane               | 1.64 | 94   | 52101    | 33.455  | ug/l  | 98     |
| 6) Chloroethane               | 1.71 | 64   | 79541    | 44.410  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 151736   | 44.314  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.18 | 74   | 73052    | 45.080  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101  | 95516    | 46.157  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.51 | 142  | 68308    | 35.252  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.05 | 59   | 153707   | 249.109 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 99145    | 46.391  | ug/l  | 96     |
| 13) Acrolein                  | 2.29 | 56   | 129058   | 288.024 | ug/l  | 100    |
| 14) Allyl chloride            | 2.73 | 41   | 223683   | 47.508  | ug/l  | 98     |
| 15) Acrylonitrile             | 3.14 | 53   | 388710   | 240.248 | ug/l  | 99     |
| 16) Acetone                   | 2.44 | 43   | 329827   | 226.597 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.57 | 76   | 282072   | 45.971  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.77 | 43   | 172522   | 49.350  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.20 | 73   | 378013   | 49.084  | ug/l  | 97     |
| 20) Methylene Chloride        | 2.85 | 84   | 119996   | 50.518  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 104933   | 49.271  | ug/l  | 99     |
| 22) Diisopropyl ether         | 3.85 | 45   | 453544   | 48.921  | ug/l  | 98     |
| 23) Vinyl Acetate             | 3.81 | 43   | 1992010  | 246.279 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 223763   | 47.808  | ug/l  | 100    |
| 25) 2-Butanone                | 4.67 | 43   | 562996   | 241.263 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77   | 134537   | 43.216  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 123811   | 47.376  | ug/l  | 98     |
| 28) Bromochloromethane        | 5.01 | 49   | 112139   | 48.495  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 5.13 | 42   | 371700   | 241.682 | ug/l  | 99     |
| 30) Chloroform                | 5.21 | 83   | 202761   | 48.002  | ug/l  | 99     |
| 31) Cyclohexane               | 5.58 | 56   | 208396   | 46.684  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 163563   | 48.444  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 154910   | 45.533  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.83 | 43   | 215186   | 48.824  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 134735   | 47.456  | ug/l  | 97     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 11:19:44 AM

Quant Time: Apr 02 11:08:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 184787   | 45.449  | ug/l   | 99       |
| 40) Benzene                    | 6.14  | 78   | 478393   | 46.970  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.04  | 41   | 123514   | 49.868  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 170814   | 45.806  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.45  | 43   | 346933   | 49.213  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 109691   | 45.868  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 137437   | 47.474  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 78193    | 46.254  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 156659   | 48.414  | ug/l   | 97       |
| 48) Methyl methacrylate        | 7.77  | 41   | 175294   | 49.696  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 65462    | 933.363 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1143385  | 249.714 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 287862   | 47.269  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 172926   | 48.791  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 194582   | 48.281  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 118444   | 47.779  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 222987   | 49.831  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 210798   | 47.427  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 544723   | 235.493 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 893291   | 251.781 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 114263   | 48.466  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 119981   | 47.425  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 92511    | 48.055  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.13 | 112  | 294816   | 47.675  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 104831   | 49.135  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 553430   | 47.420  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 400968   | 94.439  | ug/l   | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 197368   | 47.902  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 346450   | 48.678  | ug/l   | 100      |
| 71) Bromoform                  | 10.85 | 173  | 84270    | 50.015  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 518434   | 46.580  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 322375   | 50.041  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 203677   | 47.165  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 169986m  | 41.794  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 125152   | 46.331  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 606714   | 46.534  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 366643   | 46.234  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 439703   | 46.729  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 62297    | 49.058  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 421706   | 46.101  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 422330   | 46.521  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 443875   | 46.639  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 507497   | 46.942  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 450483   | 47.223  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 221674   | 45.930  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 223101   | 45.803  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 418623   | 46.324  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 75548    | 47.537  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 227599   | 47.091  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 43462    | 46.158  | ug/l   | 98       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\  
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Acq On : 28 Mar 2019 20:29  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

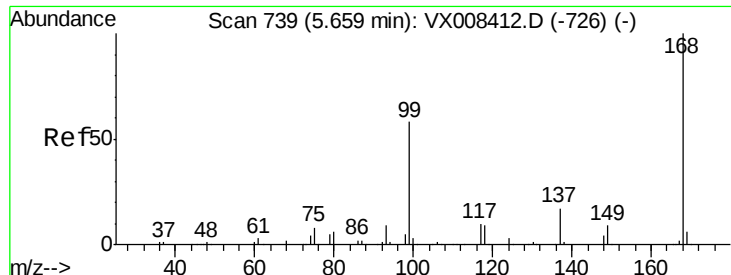
MMDadoda  
4/2/2019 11:19:44 AM

Quant Time: Apr 02 11:08:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 07:57:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 151689   | 46.616 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 71734    | 46.427 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 533040   | 47.780 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 153372   | 46.906 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183701

Ion Ratio Lower Upper

168 100

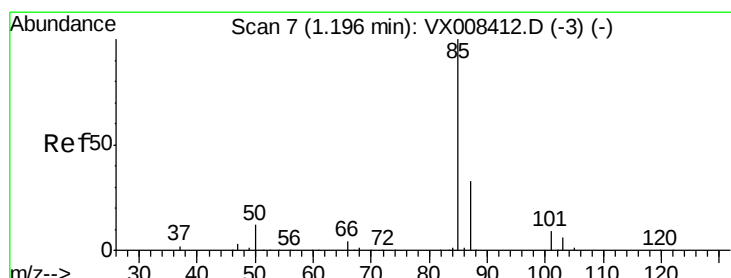
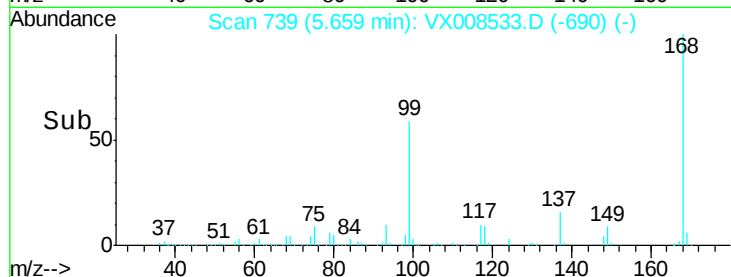
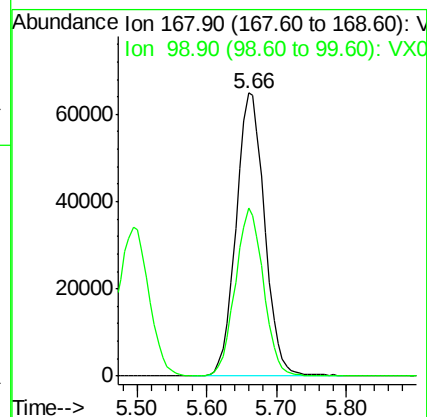
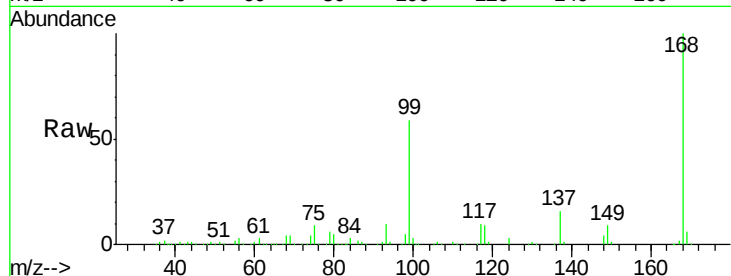
99 59.2 46.0 69.0

Manual Integrations

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MMDadoda

4/2/2019 11:19:44 AM



#2

Dichlorodifluoromethane

Concen: 43.391 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008533.D

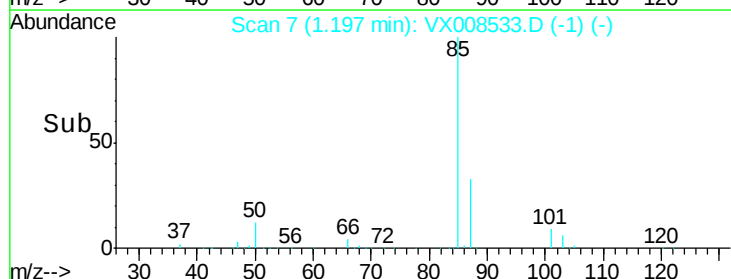
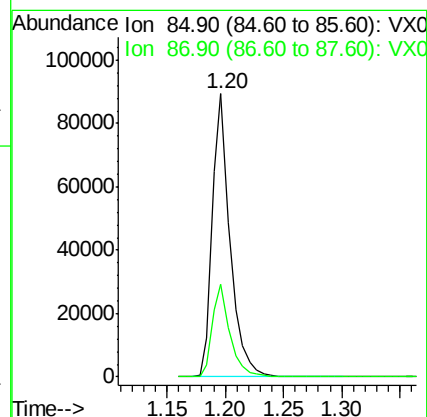
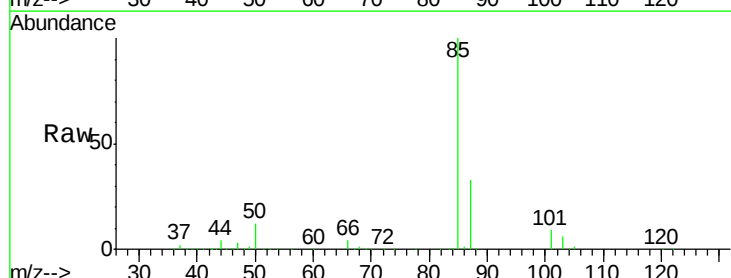
Acq: 28 Mar 2019 20:29

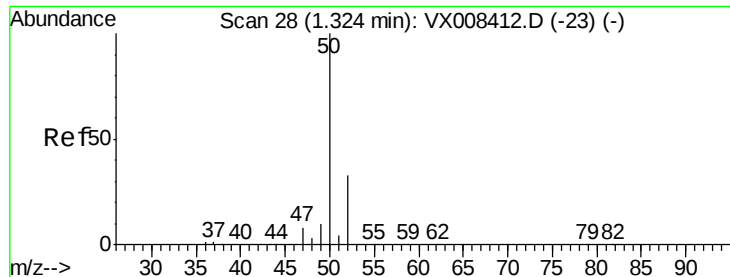
Tgt Ion: 85 Resp: 93956

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1





#3

Chloromethane

Concen: 44.574 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 121992

Ion Ratio Lower Upper

50 100

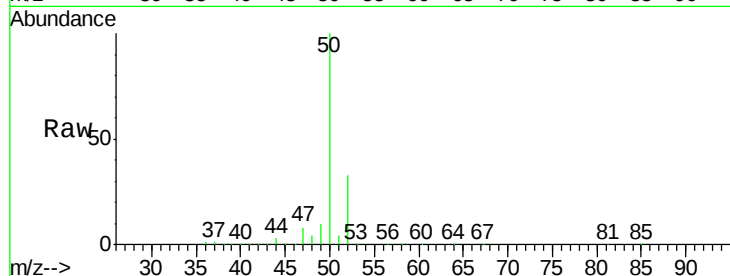
52 32.6 26.2 39.2

Manual Integrations

APPROVED

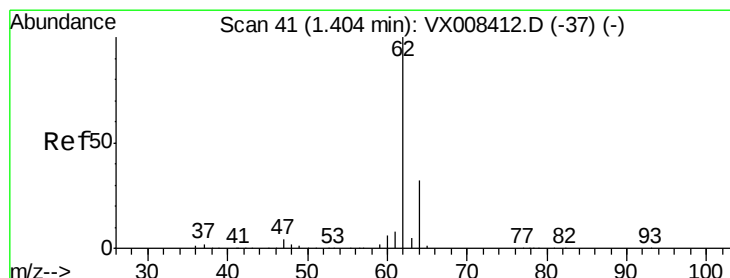
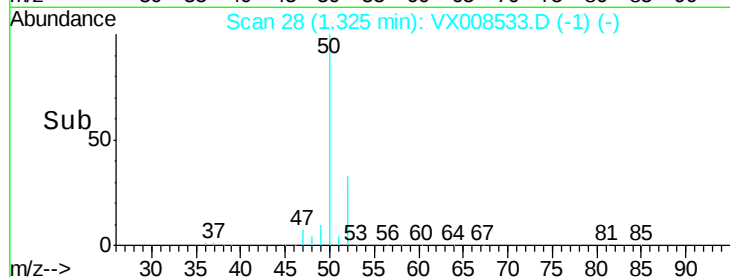
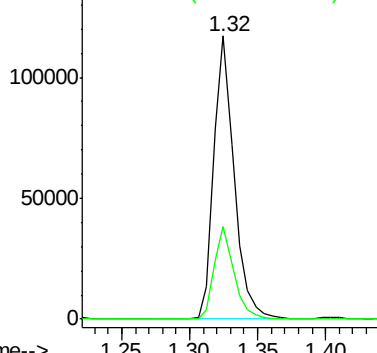
MMDadoda

4/2/2019 11:19:44 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.237 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008533.D

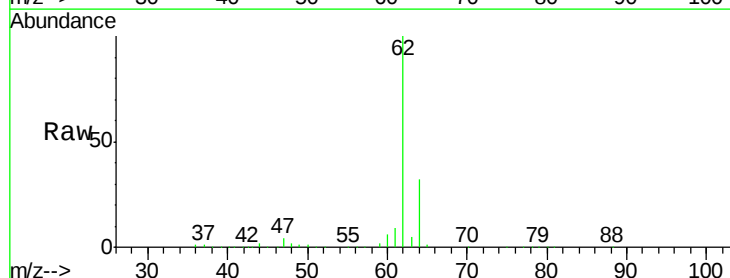
Acq: 28 Mar 2019 20:29

Tgt Ion: 62 Resp: 130720

Ion Ratio Lower Upper

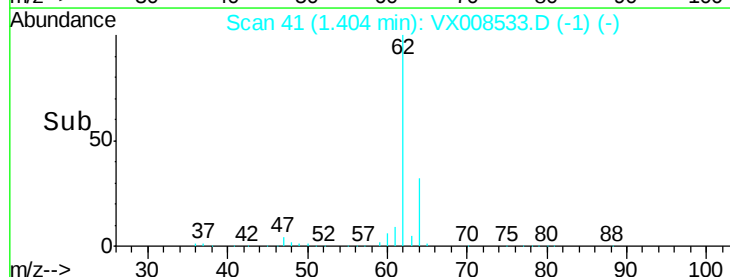
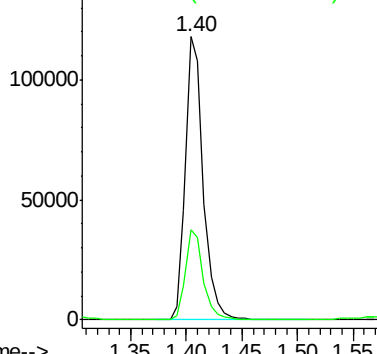
62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 33.455 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52101

Ion Ratio Lower Upper

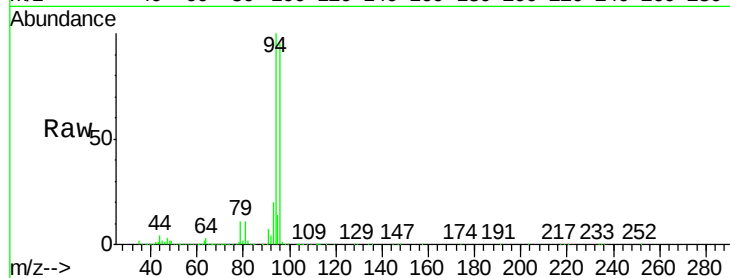
94 100

96 95.0 74.8 112.2

Manual Integrations  
APPROVED

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4/2/2019 11:19:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

60000

50000

40000

30000

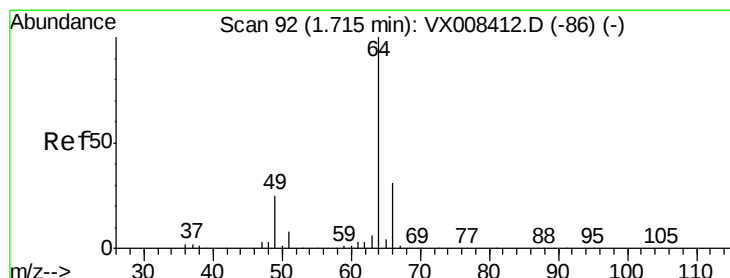
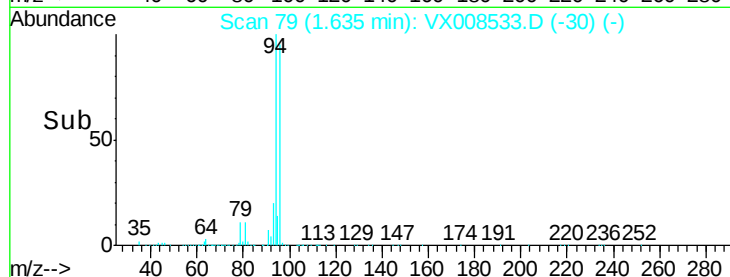
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 44.410 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008533.D

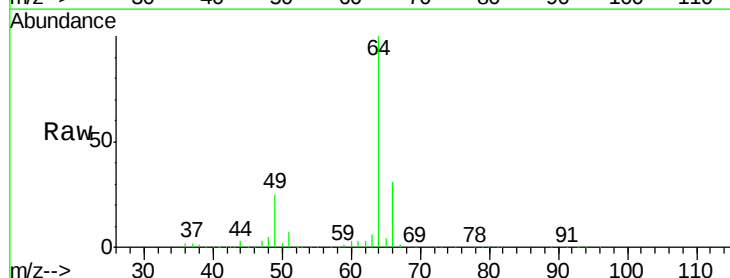
Acq: 28 Mar 2019 20:29

Tgt Ion: 64 Resp: 79541

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

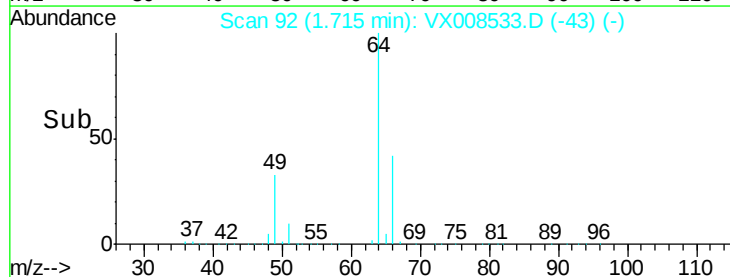
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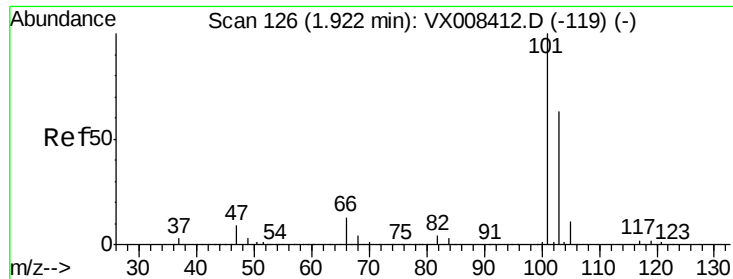
20000

0

1.65 1.70 1.75 1.80

Time-->





#7

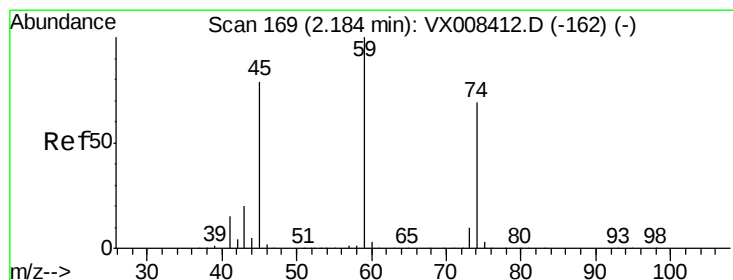
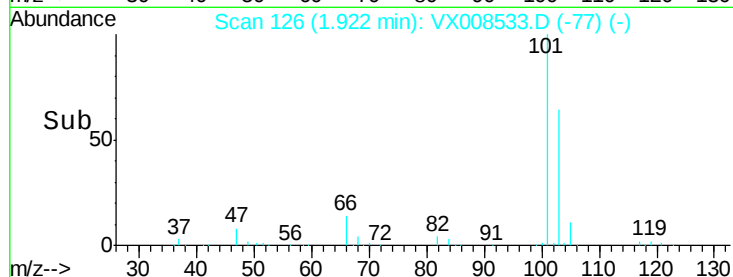
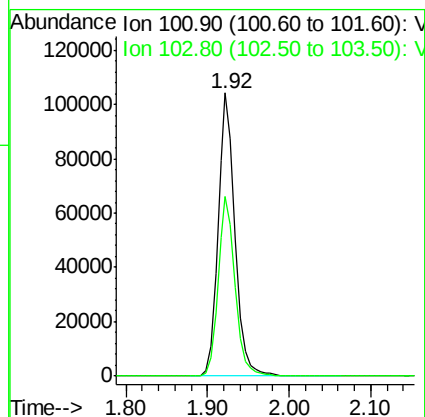
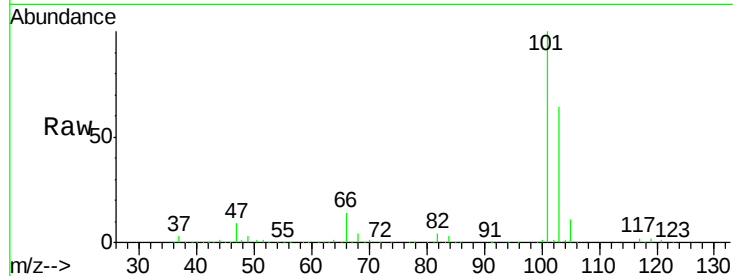
Trichlorofluoromethane  
Concen: 44.314 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 101 Resp: 151736  
Ion Ratio Lower Upper  
101 100  
103 63.5 50.2 75.4

Manual Integrations  
APPROVED

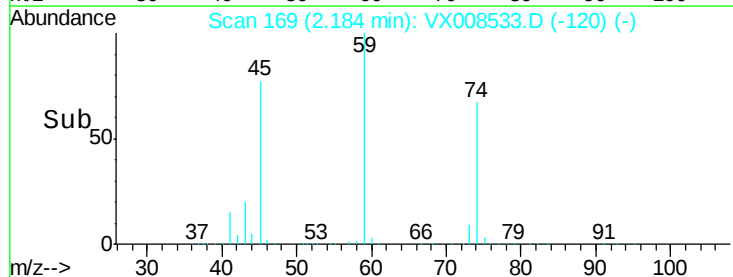
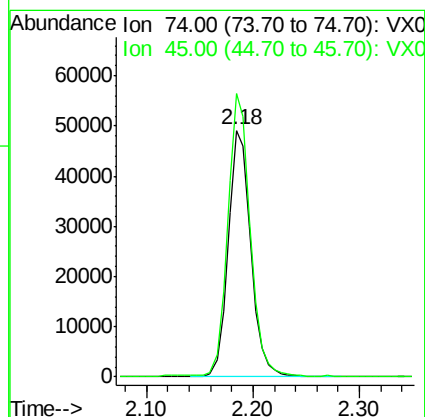
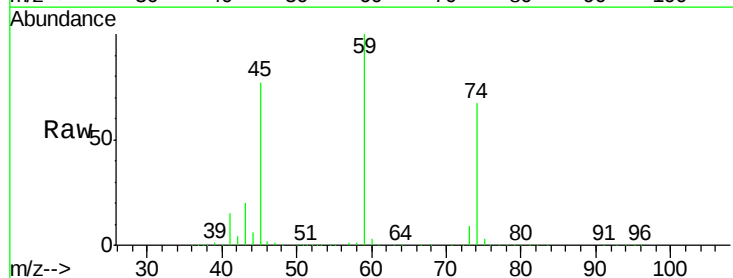
MMDadoda  
4/2/2019 11:19:44 AM

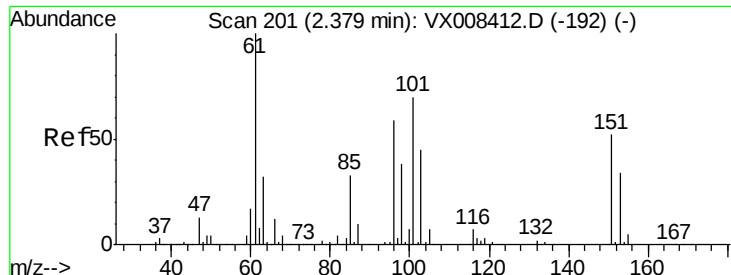


#8

Diethyl Ether  
Concen: 45.080 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Tgt Ion: 74 Resp: 73052  
Ion Ratio Lower Upper  
74 100  
45 112.8 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.157 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

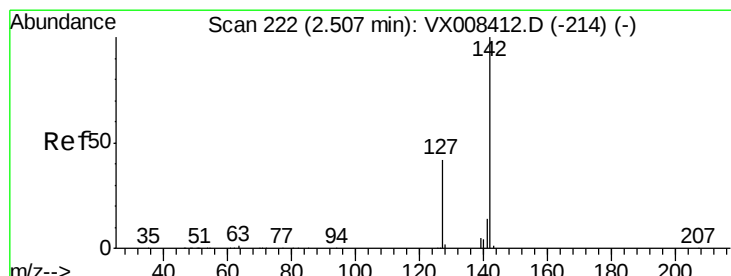
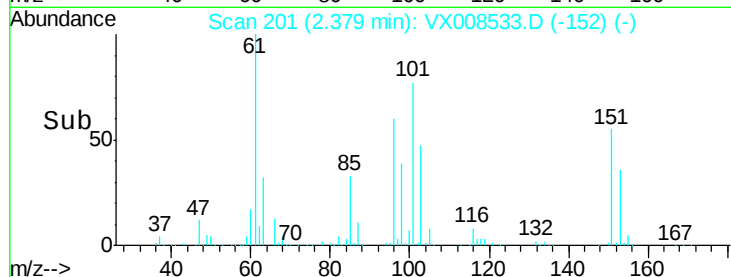
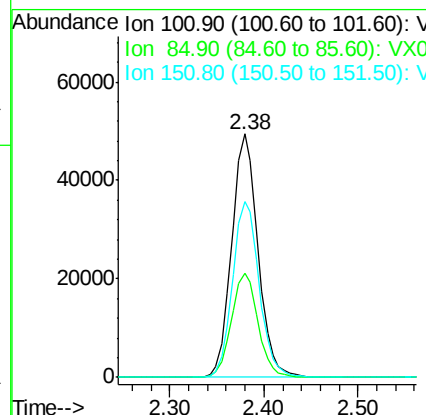
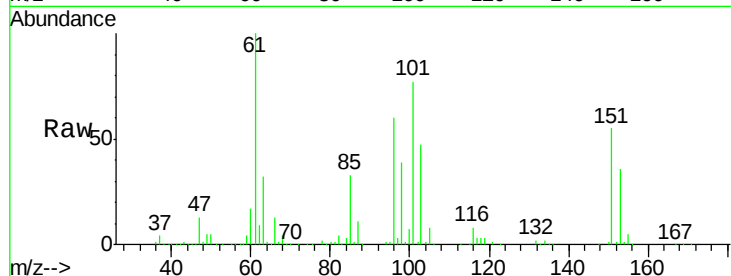
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 95516 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.4  | 36.0  | 54.0  |
| 151       | 73.4  | 59.2  | 88.8  |

Manual Integrations  
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4/2/2019 11:19:44 AM



#10

Methyl Iodide

Concen: 35.252 ug/l

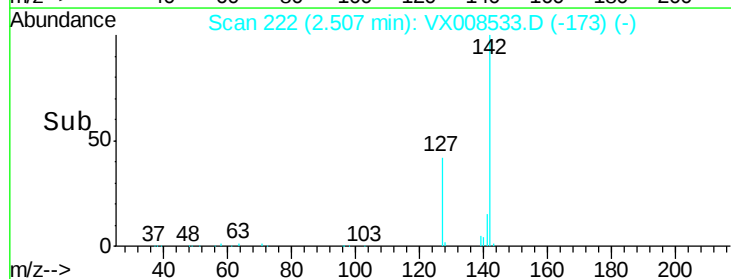
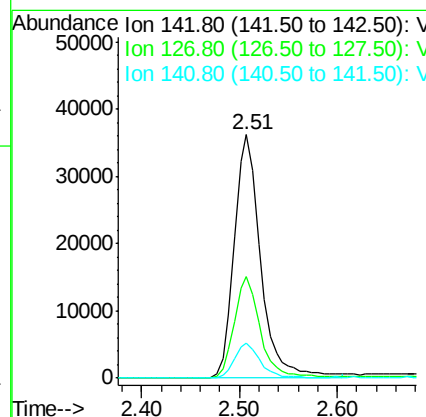
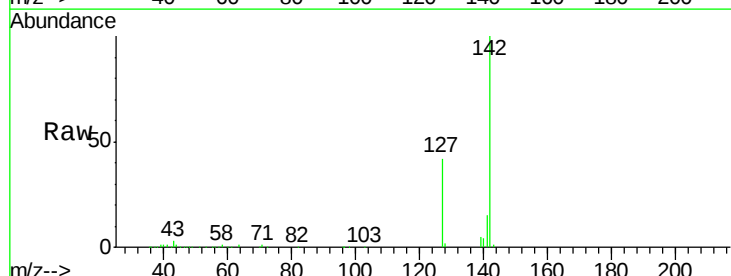
RT: 2.51 min Scan# 222

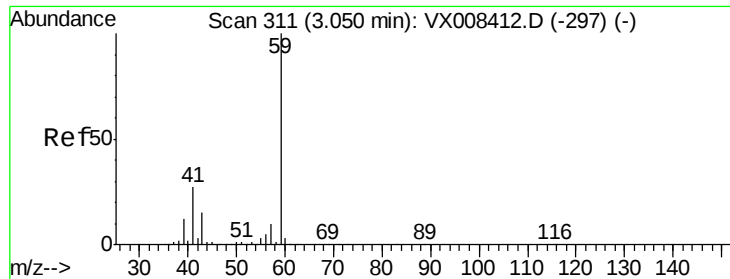
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 68308 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.3  | 33.6  | 50.4  |
| 141       | 14.3  | 11.3  | 16.9  |





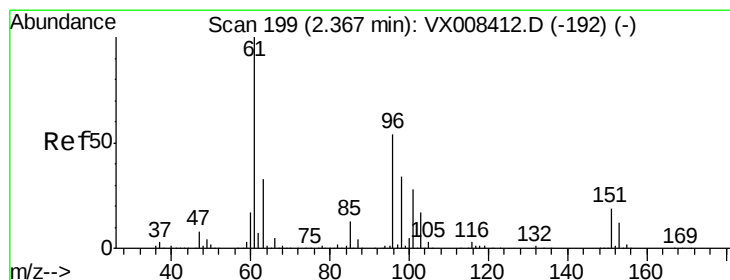
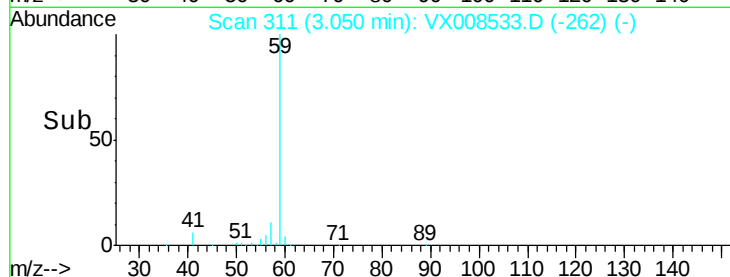
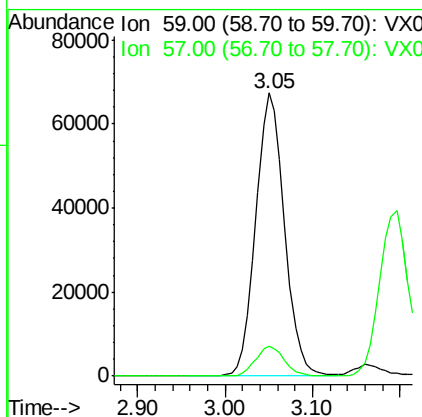
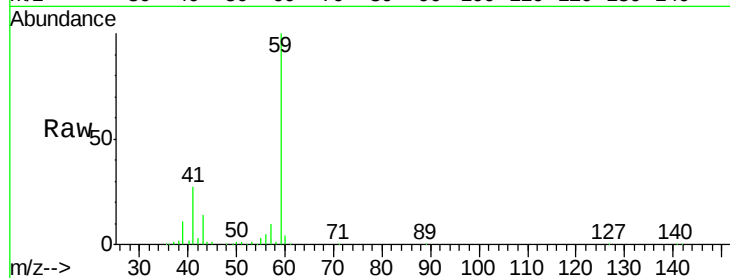
#11  
Tert butyl alcohol  
Concen: 249.109 ug/l  
RT: 3.05 min Scan# 311  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 59 Resp: 153707  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.2 12.4

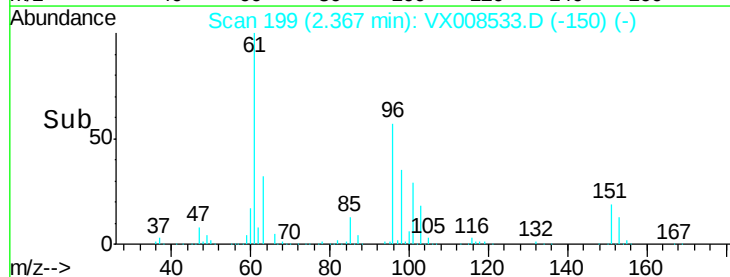
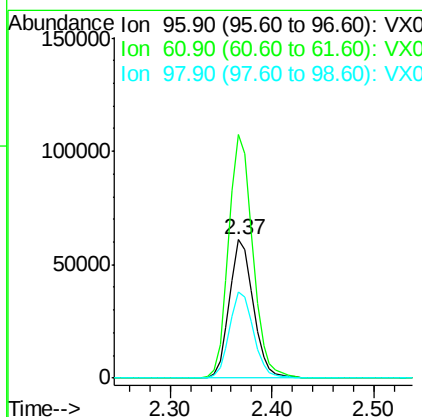
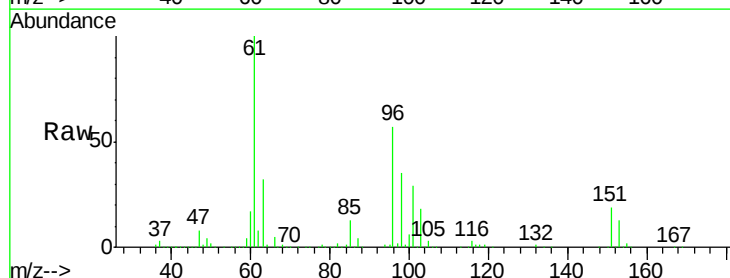
Manual Integrations  
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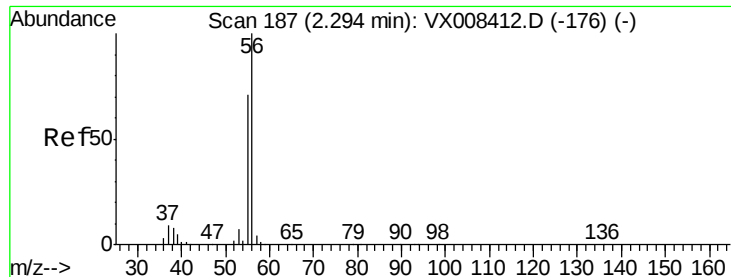
MMDadoda  
4/2/2019 11:19:44 AM



#12  
1,1-Dichloroethene  
Concen: 46.391 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Tgt Ion: 96 Resp: 99145  
Ion Ratio Lower Upper  
96 100  
61 176.4 146.9 220.3  
98 62.4 50.1 75.1





#13

Acrolein

Concen: 288.024 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 129058

Ion Ratio Lower Upper

56 100

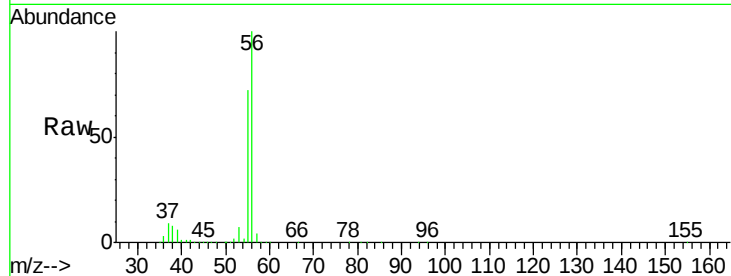
55 70.6 56.5 84.7

Manual Integrations

APPROVED

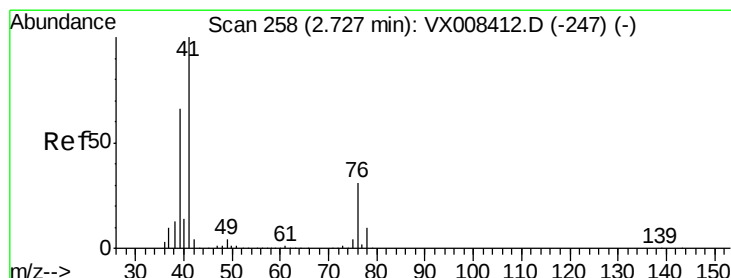
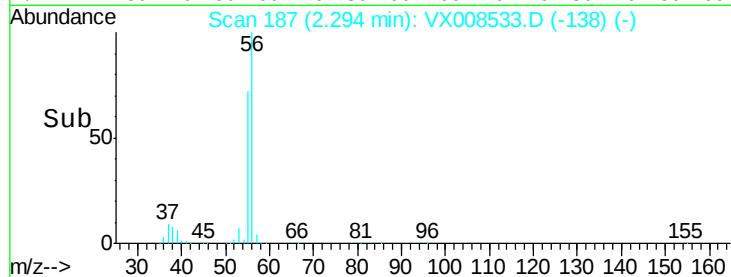
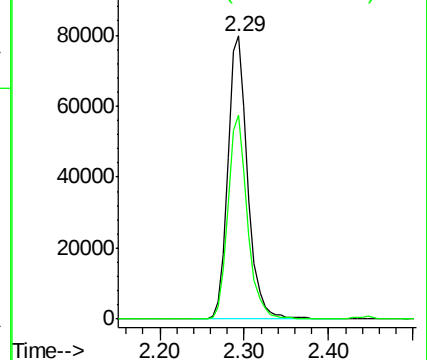
MMDadoda

4/2/2019 11:19:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.508 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

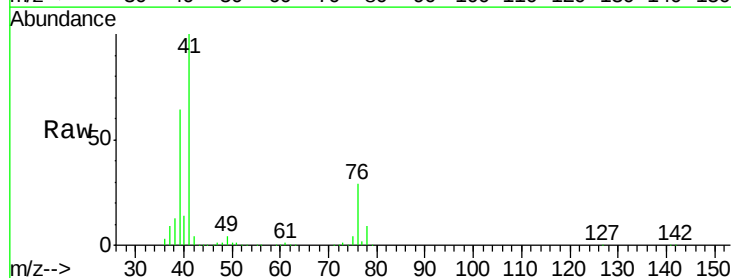
Tgt Ion: 41 Resp: 223683

Ion Ratio Lower Upper

41 100

39 60.3 49.6 74.4

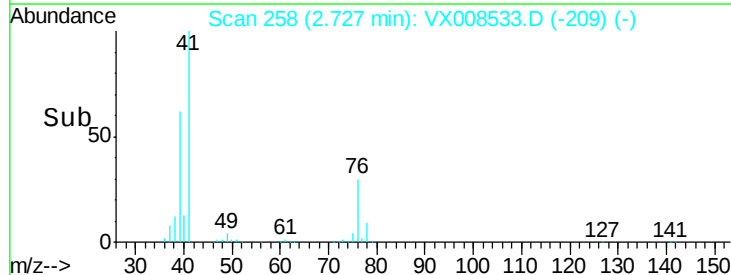
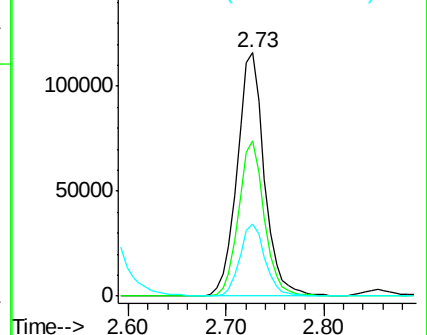
76 27.7 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 240.248 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

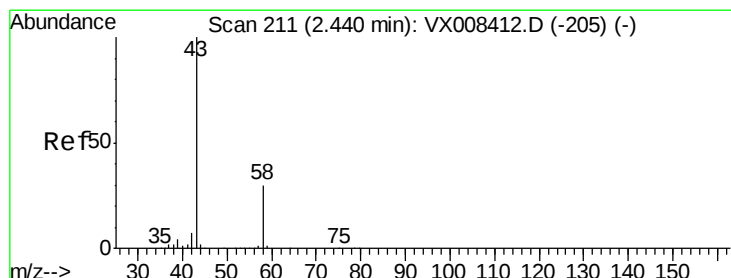
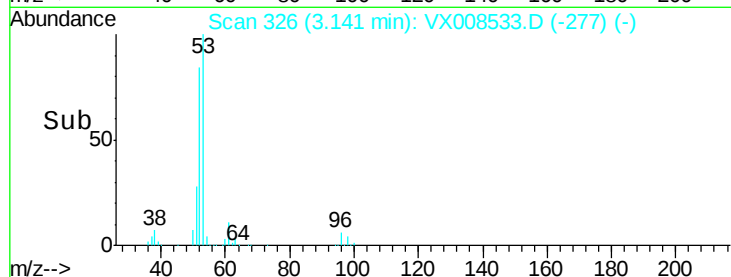
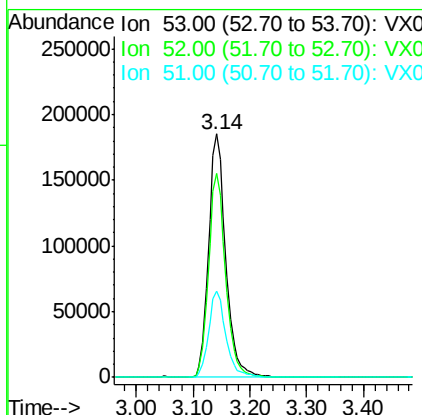
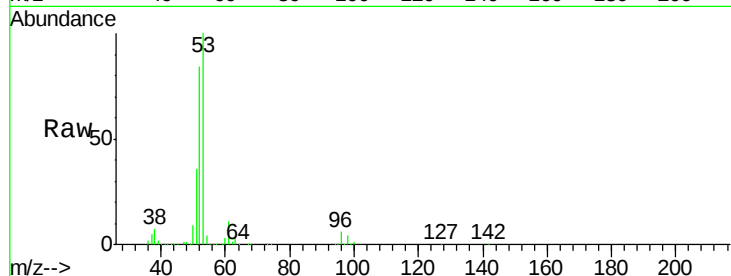
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 388710 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.7  | 66.5  | 99.7   |
| 51        | 35.5  | 28.3  | 42.5   |

Manual Integrations  
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#16

Acetone

Concen: 226.597 ug/l

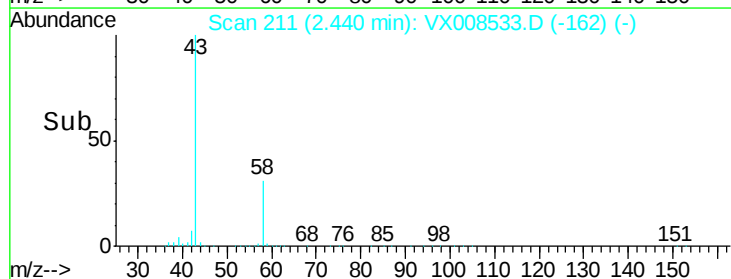
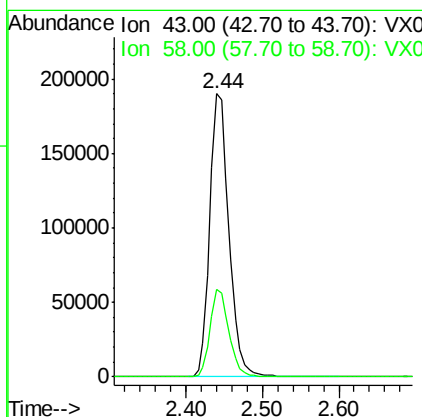
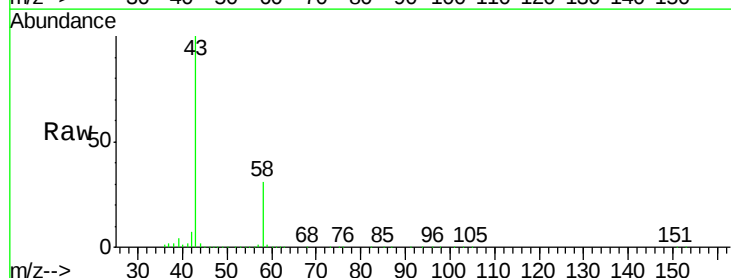
RT: 2.44 min Scan# 211

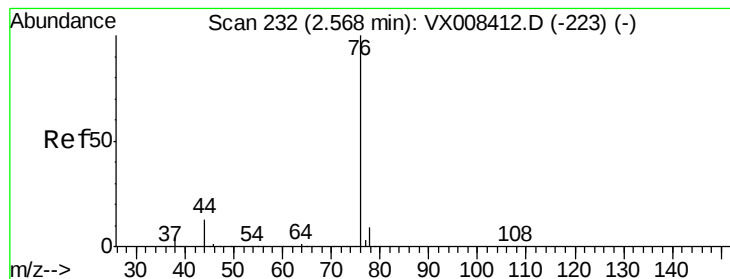
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 329827 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 30.7  | 24.2  | 36.2   |





#17

Carbon Disulfide

Concen: 45.971 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 282072

Ion Ratio Lower Upper

76 100

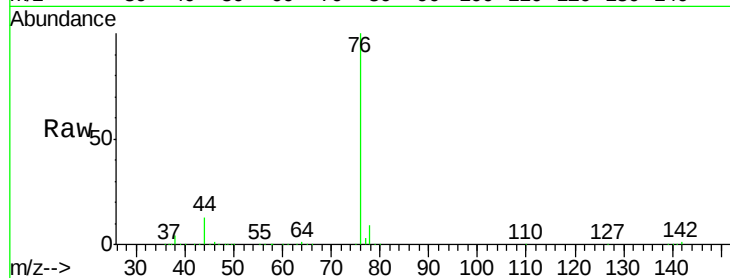
78 9.1 7.4 11.2

Manual Integrations

APPROVED

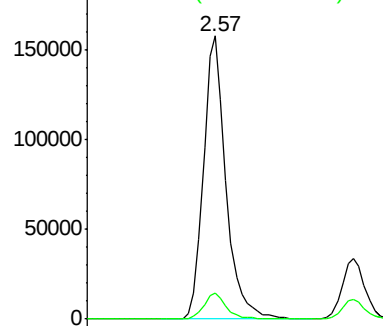
MMDadoda

4/2/2019 11:19:44 AM

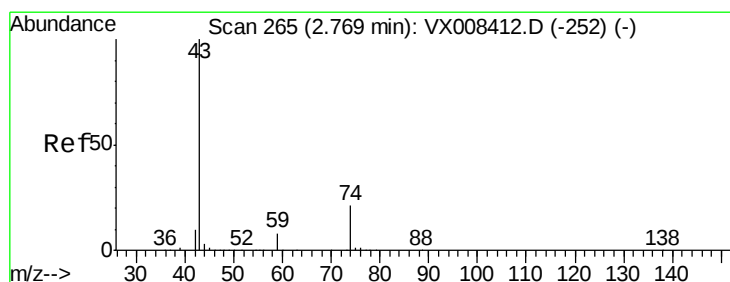
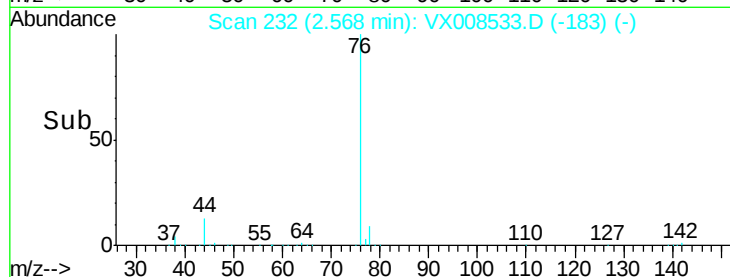


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 49.350 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008533.D

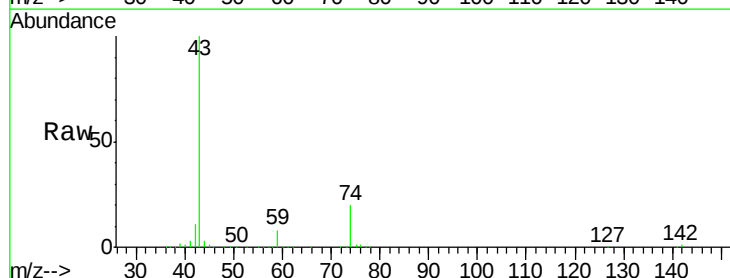
Acq: 28 Mar 2019 20:29

Tgt Ion: 43 Resp: 172522

Ion Ratio Lower Upper

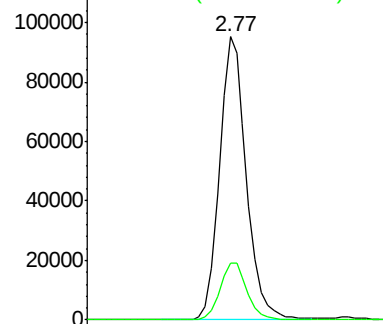
43 100

74 20.7 16.7 25.1

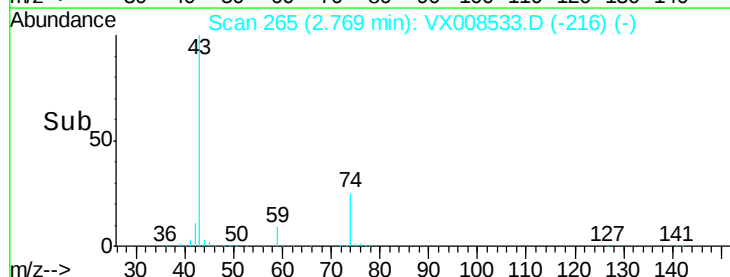


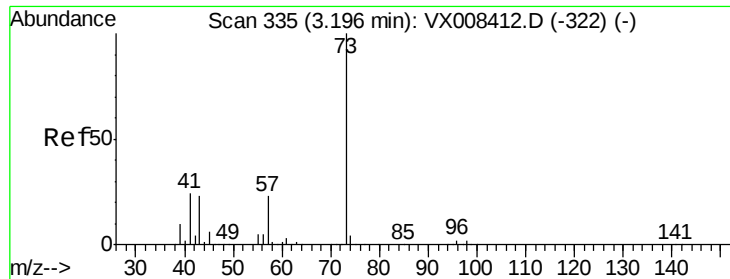
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





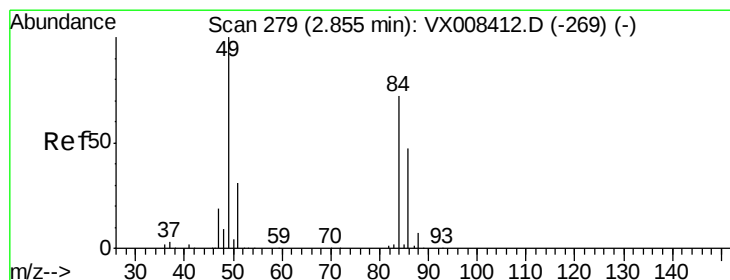
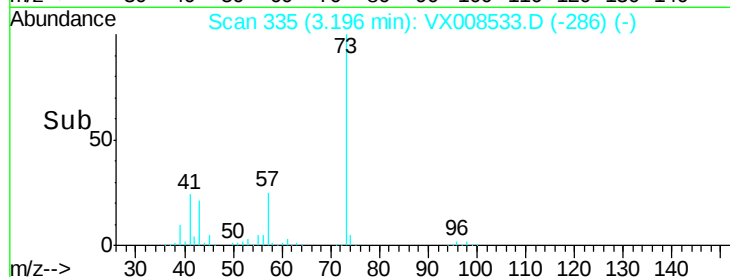
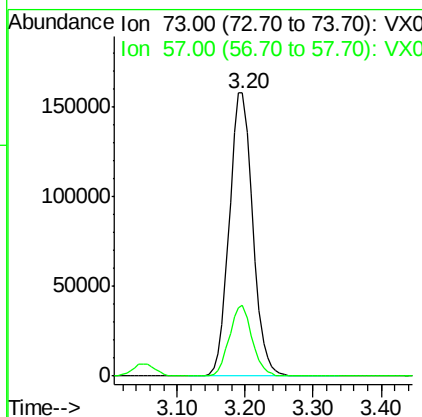
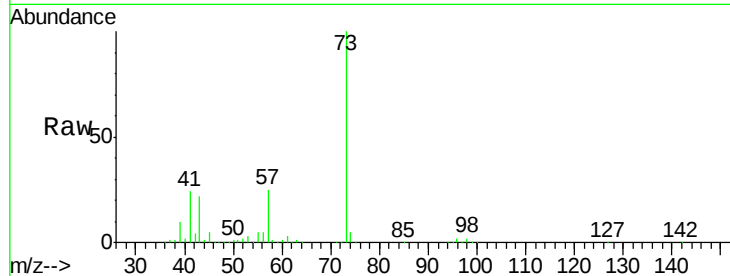
#19  
Methvl tert-butvl Ether  
Concen: 49.084 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 25.0  | 18.6  | 28.0  |

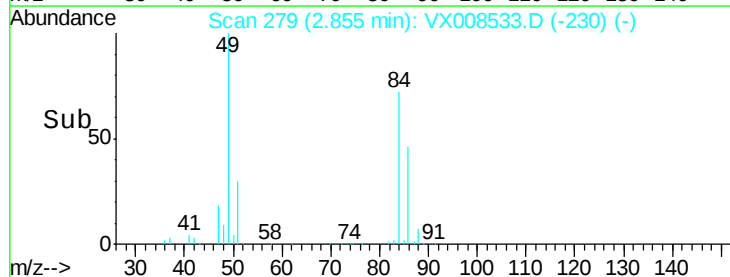
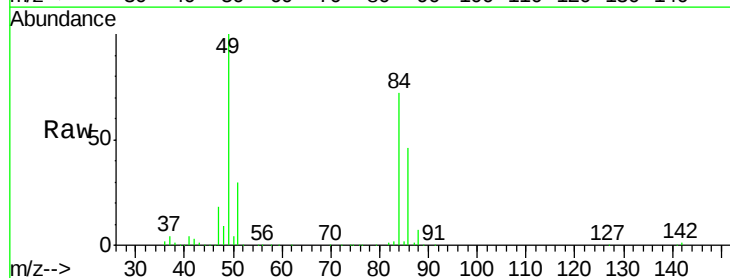
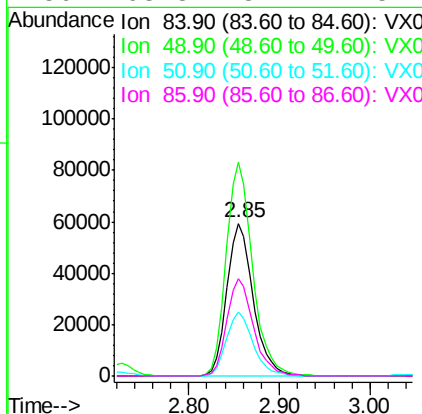
Manual Integrations  
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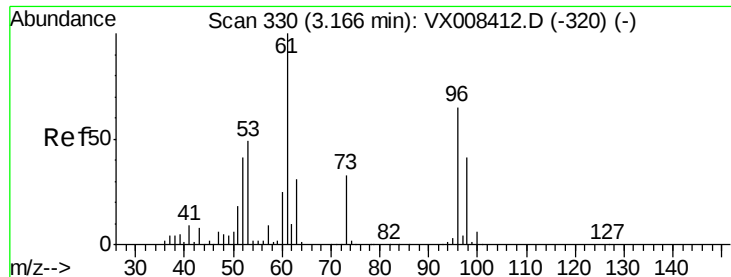
MMDadoda  
4/2/2019 11:19:44 AM



#20  
Methylene Chloride  
Concen: 50.518 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 139.8 | 110.6 | 165.8 |
| 51      | 42.1  | 33.9  | 50.9  |
| 86      | 63.8  | 52.2  | 78.2  |





#21

trans-1,2-Dichloroethene

Concen: 49.271 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 104933

Ion Ratio Lower Upper

96 100

61 154.3 122.6 184.0

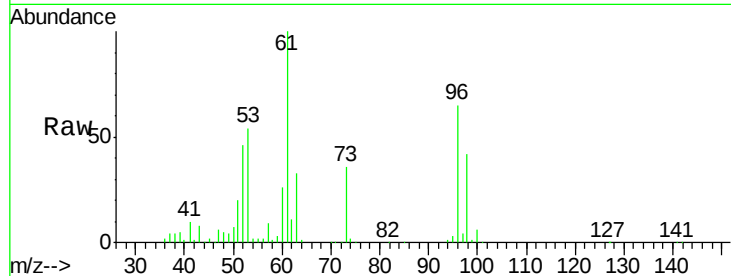
98 64.6 50.9 76.3

Manual Integrations

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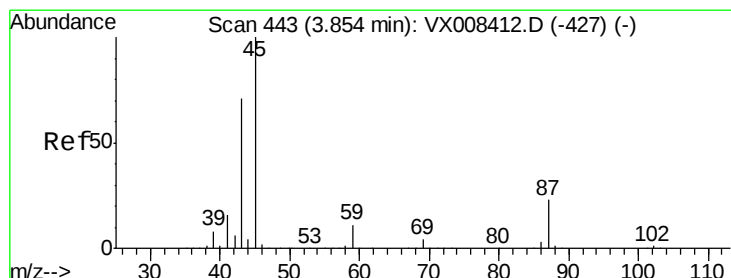
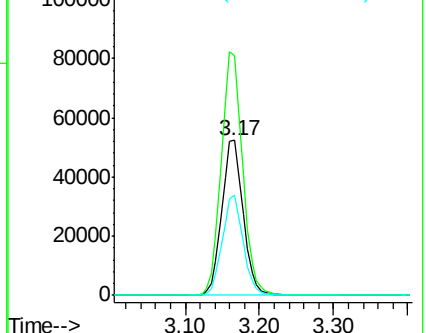
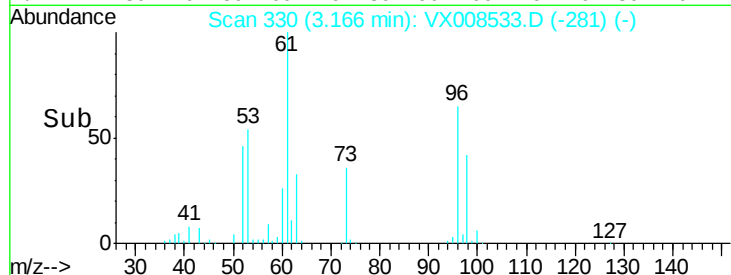
4/2/2019 11:19:44 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.921 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Tgt Ion: 45 Resp: 453544

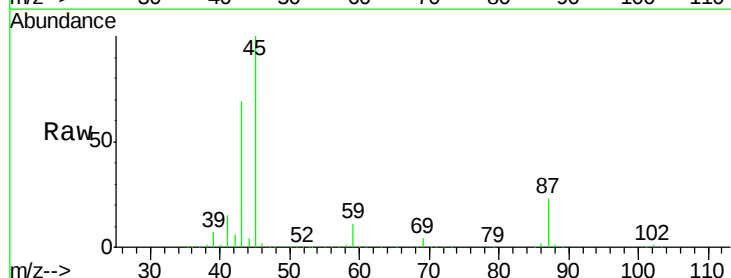
Ion Ratio Lower Upper

45 100

43 68.9 57.1 85.7

87 23.1 18.8 28.2

59 10.7 8.7 13.1

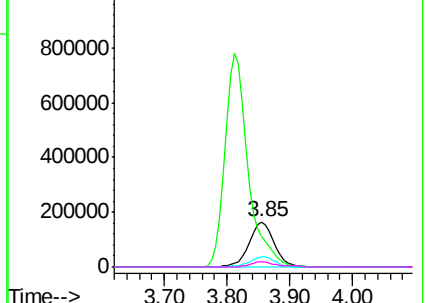
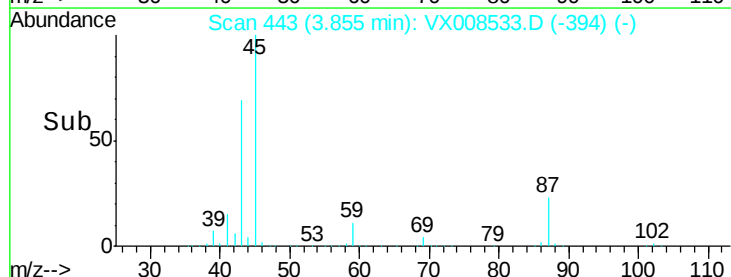


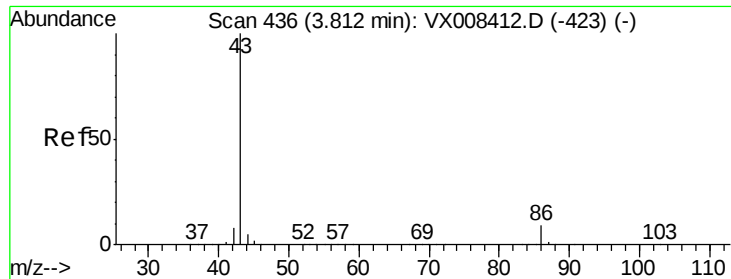
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 246.279 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1992010

Ion Ratio Lower Upper

43 100

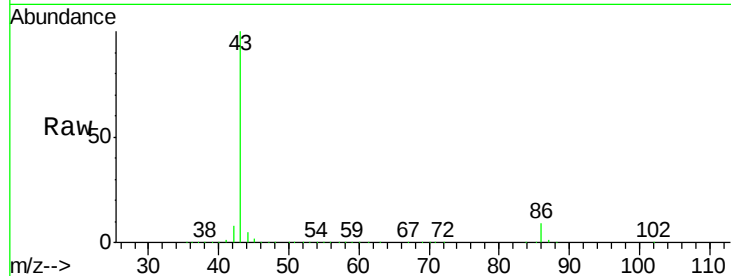
86 8.7 6.9 10.3

Manual Integrations

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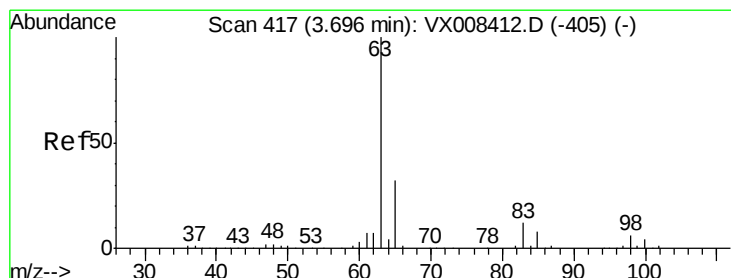
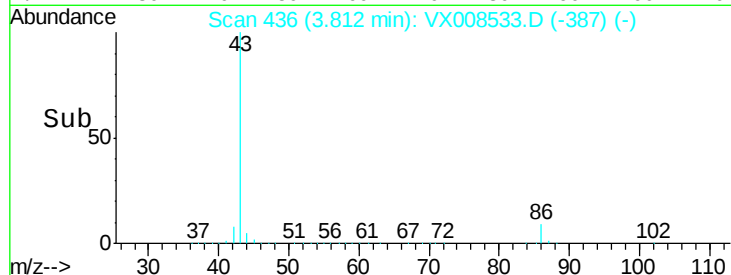
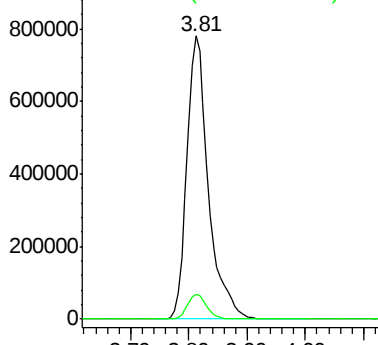
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.808 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

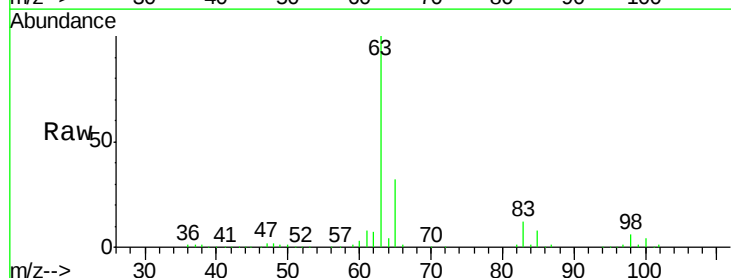
Tgt Ion: 63 Resp: 223763

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

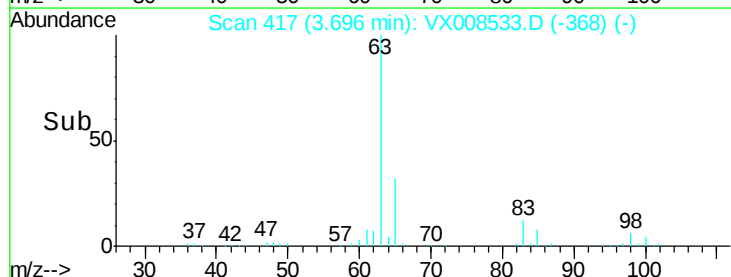
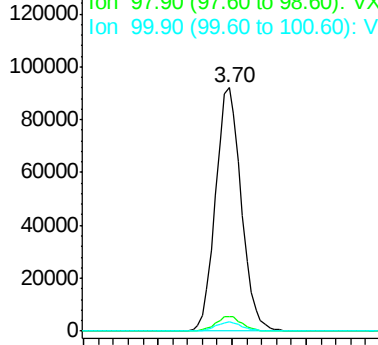
100 4.0 2.0 5.8

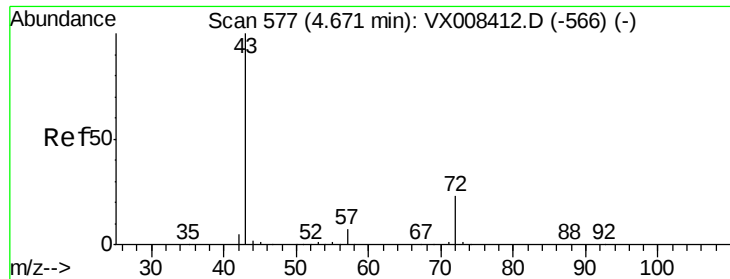


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 241.263 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 562996

Ion Ratio Lower Upper

43 100

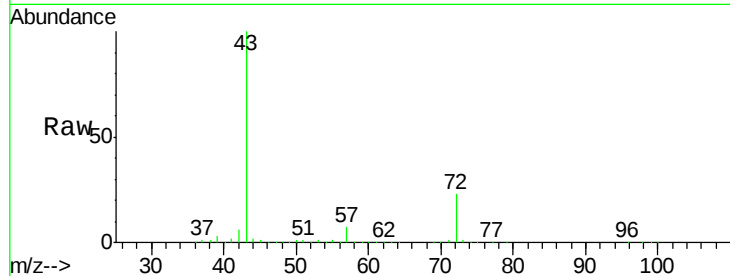
72 23.3 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

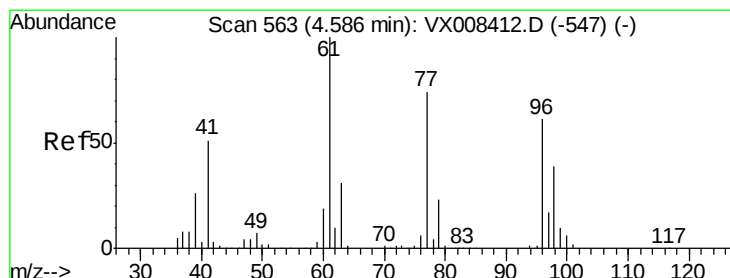
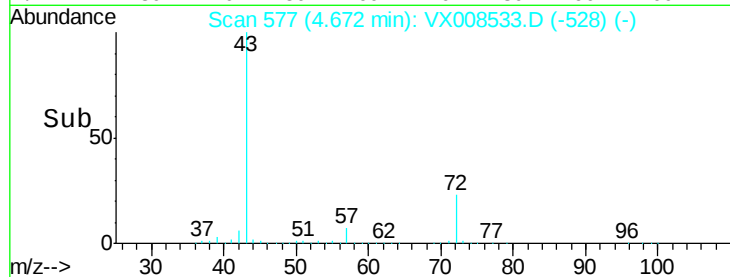
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 43.216 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008533.D

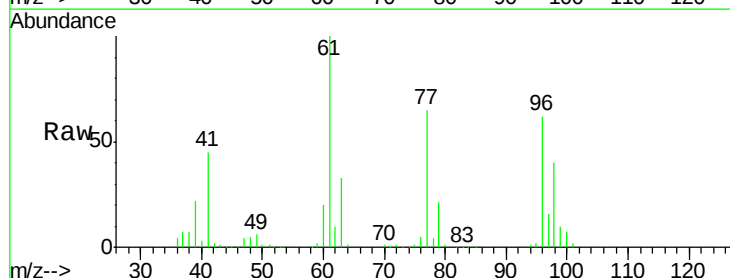
Acq: 28 Mar 2019 20:29

Tgt Ion: 77 Resp: 134537

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

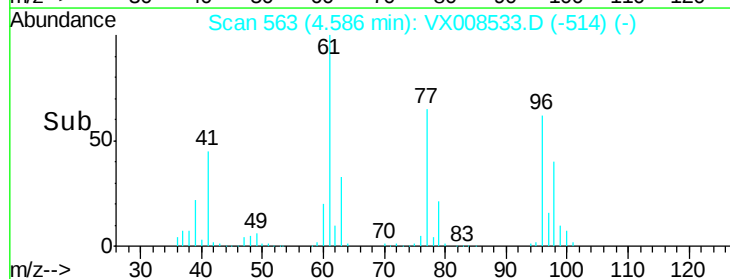
30000

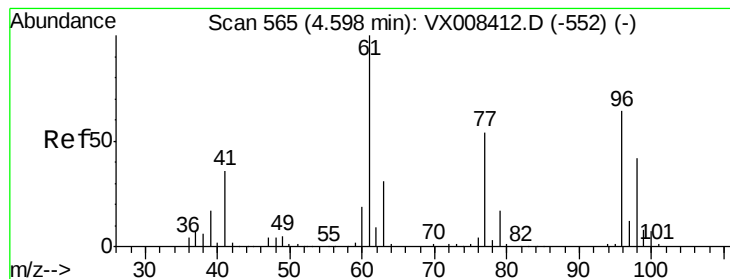
20000

10000

0

Time-->





#27

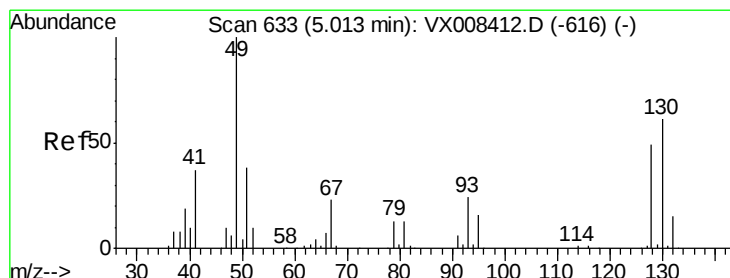
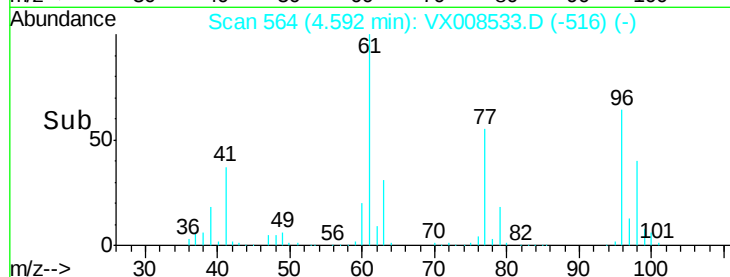
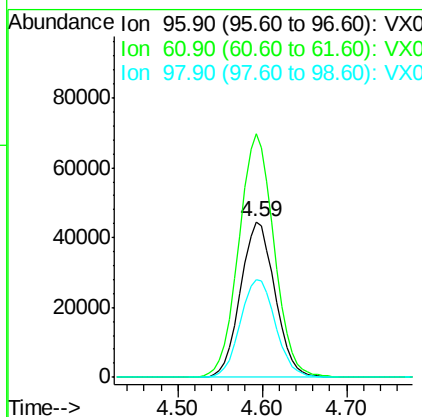
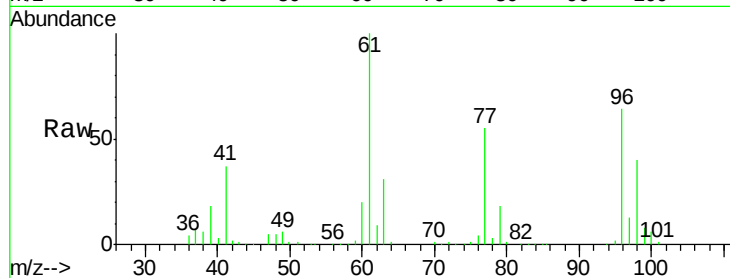
cis-1,2-Dichloroethene  
Concen: 47.376 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 159.9 | 0.0  | 325.6 |       |
| 98      | 64.4  | 0.0  | 130.0 |       |

Manual Integrations  
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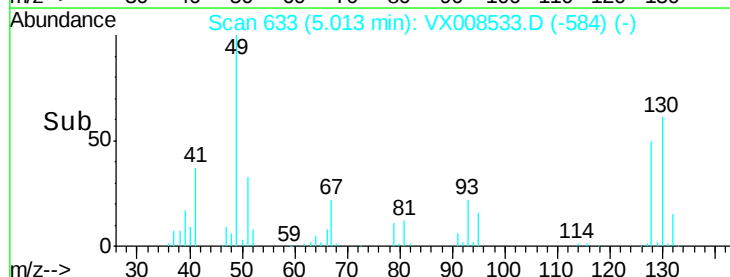
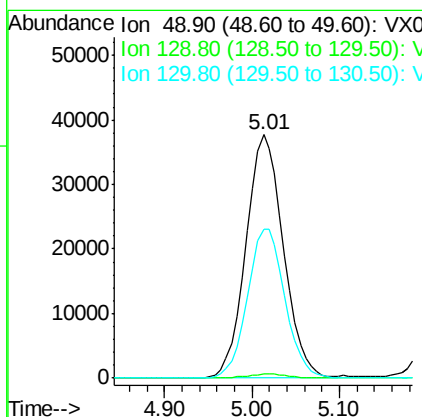
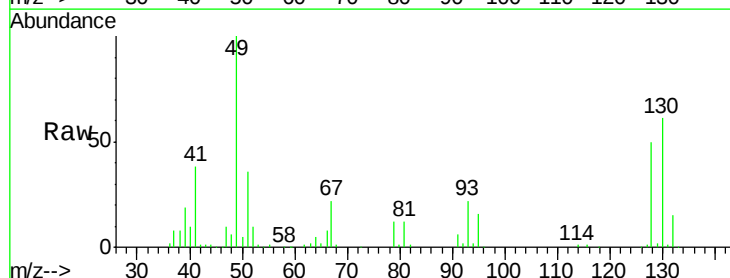
MMDadoda  
4/2/2019 11:19:44 AM

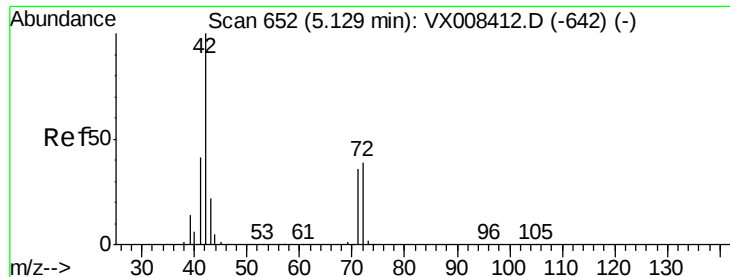


#28

Bromochloromethane  
Concen: 48.495 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.7   | 0.0  | 3.4   |       |
| 130     | 61.5  | 49.8 | 74.6  |       |





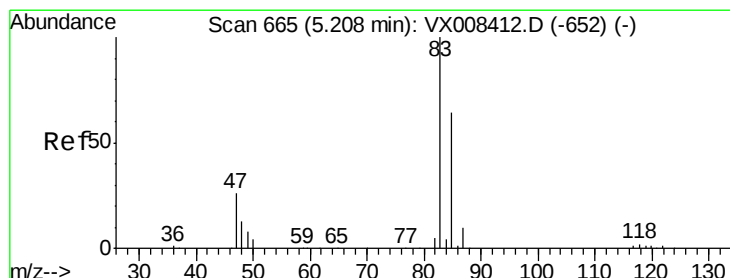
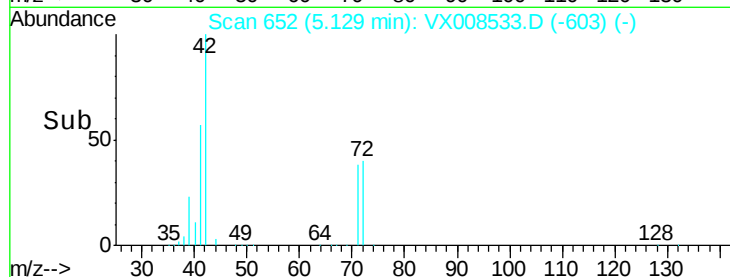
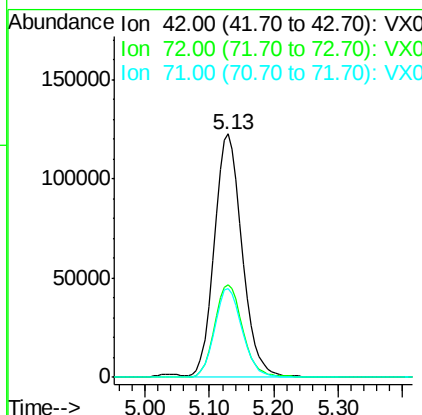
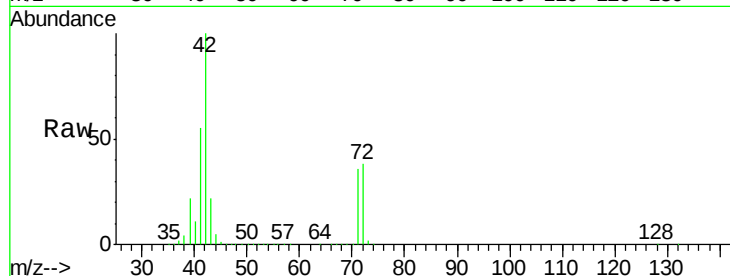
#29  
Tetrahydrofuran  
Concen: 241.682 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.9  | 31.4  | 47.2  |
| 71      | 36.5  | 29.4  | 44.2  |

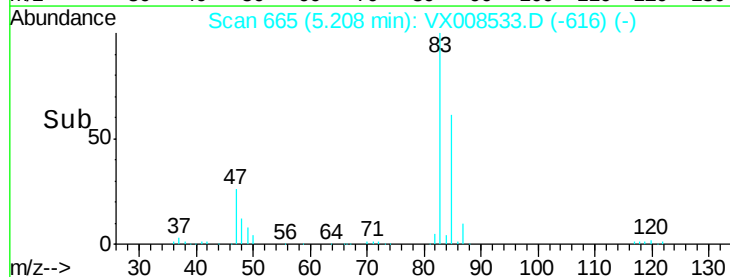
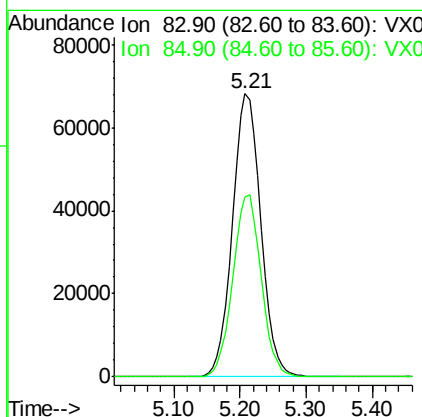
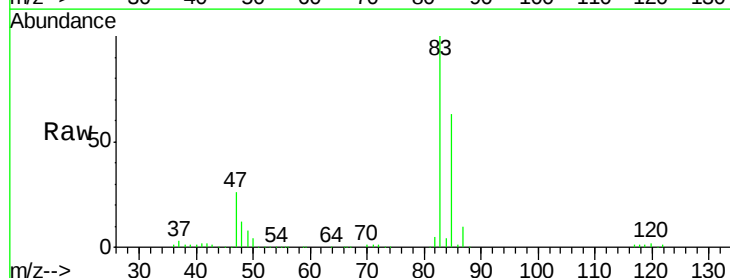
Manual Integrations  
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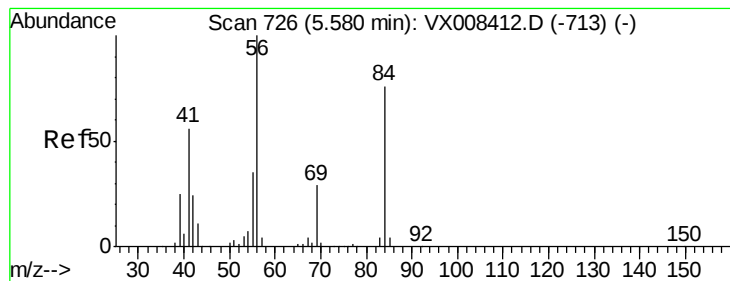
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#30  
Chloroform  
Concen: 48.002 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.4  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 46.684 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

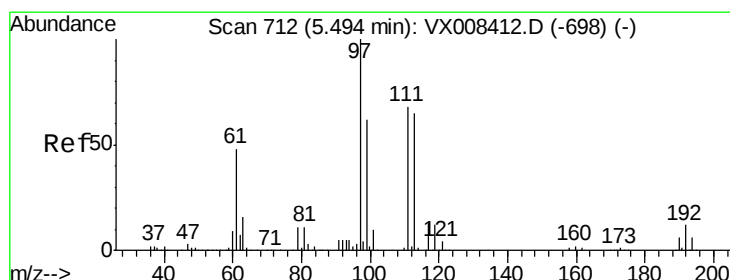
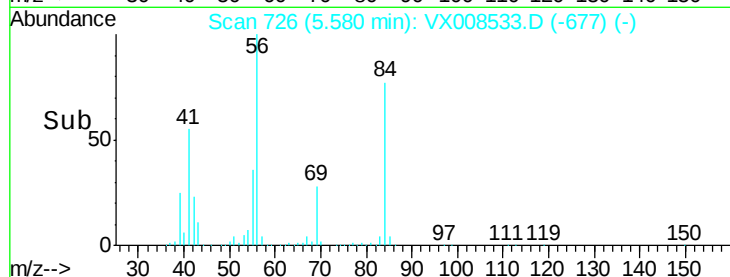
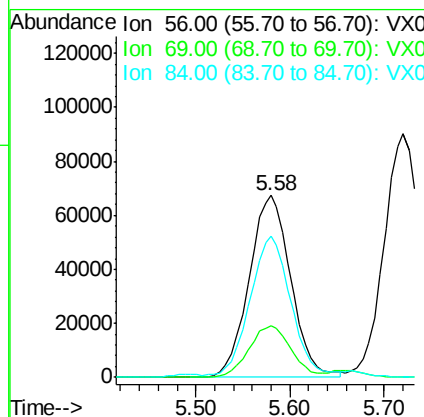
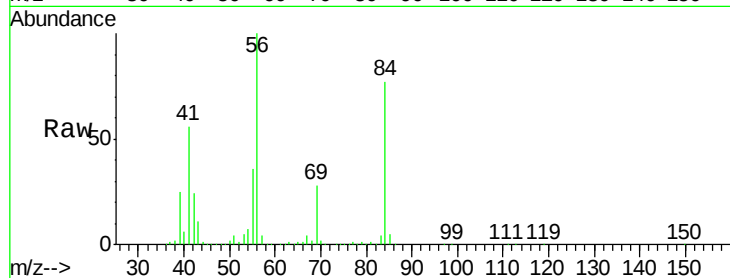
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 208396 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.3  | 23.2  | 34.8   |
| 84       | 76.0  | 60.7  | 91.1   |

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#32

1,1,1-Trichloroethane

Concen: 48.444 ug/l

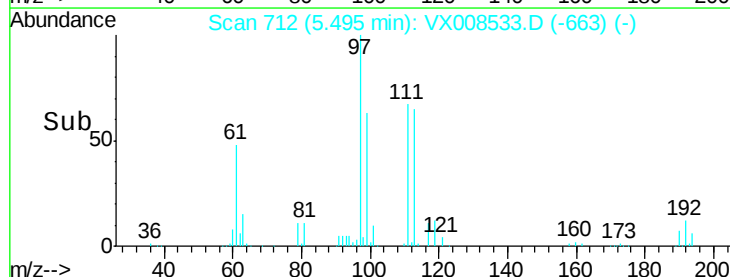
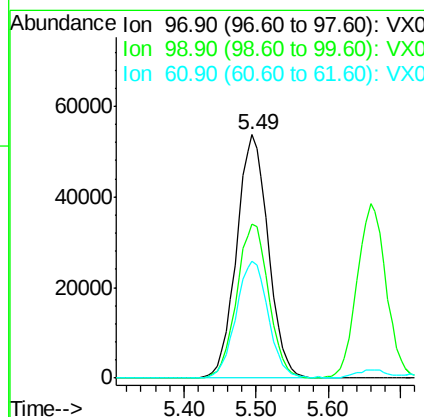
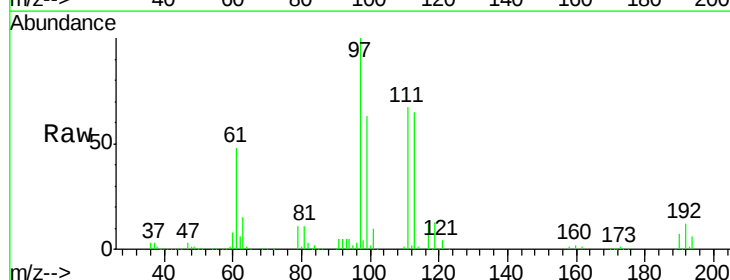
RT: 5.49 min Scan# 712

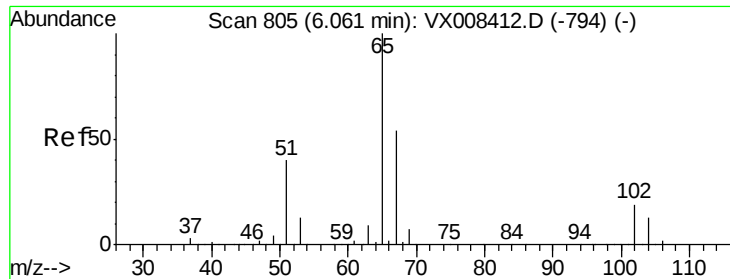
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 163563 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.2  | 51.5  | 77.3   |
| 61       | 49.0  | 38.8  | 58.2   |





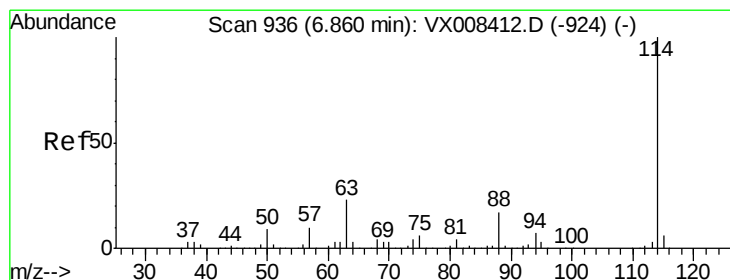
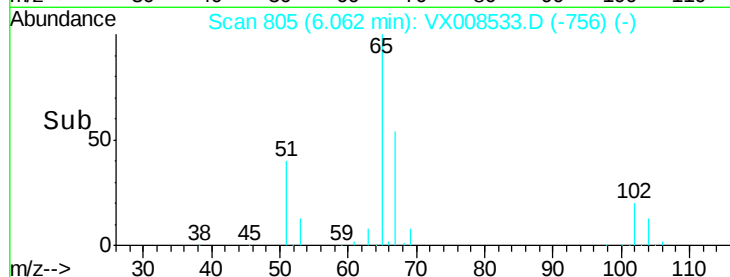
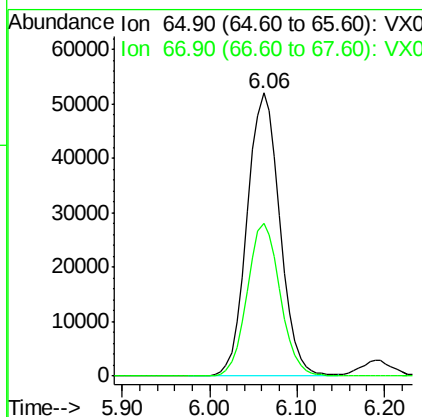
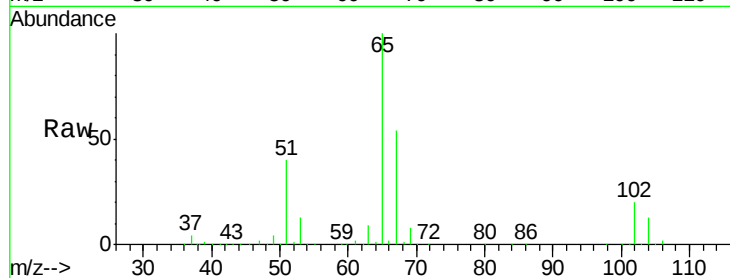
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.729 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.4  | 0.0  | 109.4 |       |

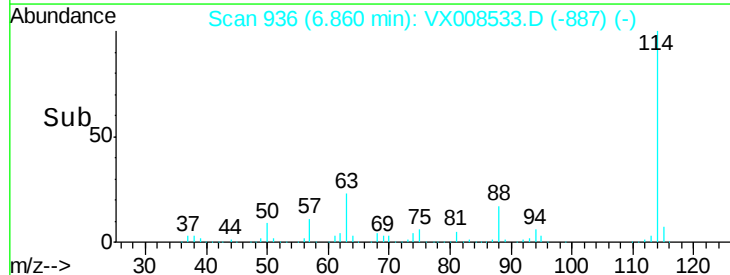
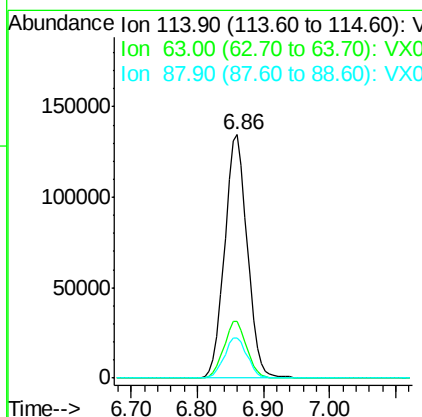
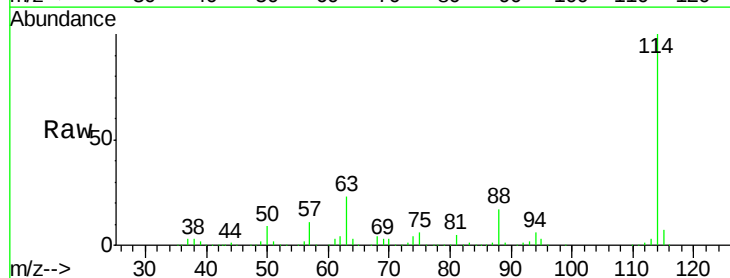
Manual Integrations  
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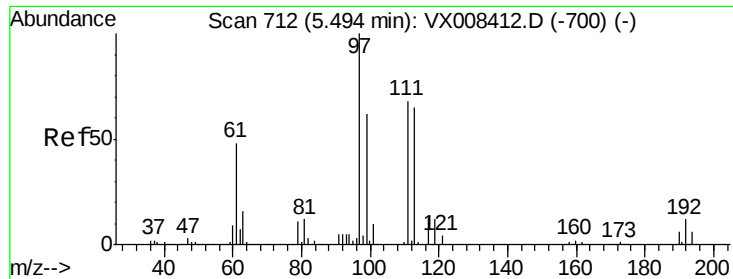
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 23.4  | 0.0  | 46.4  |       |
| 88      | 16.6  | 0.0  | 33.2  |       |





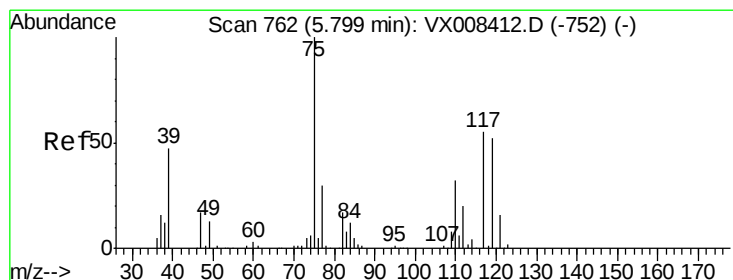
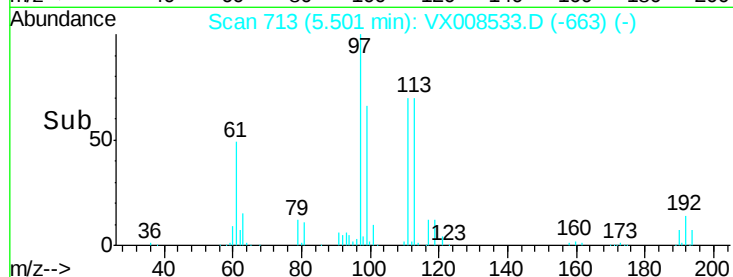
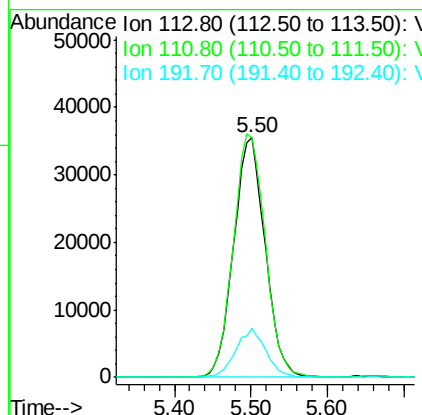
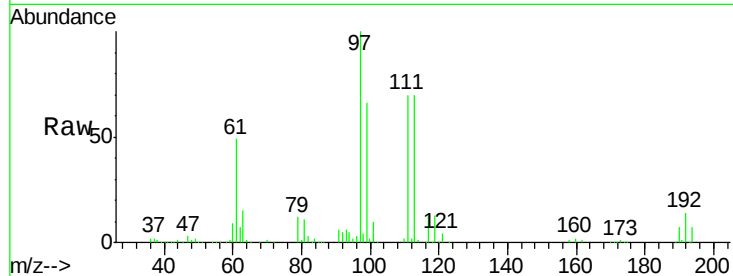
#35  
Dibromofluoromethane  
Concen: 48.755 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.01 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.1 | 83.0 | 124.4 |       |
| 192     | 19.6  | 15.6 | 23.4  |       |

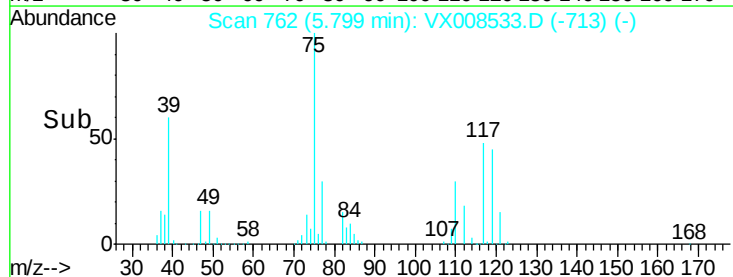
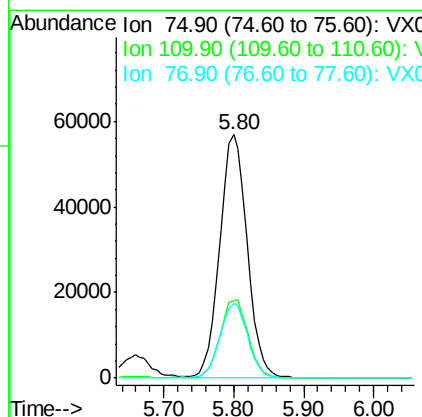
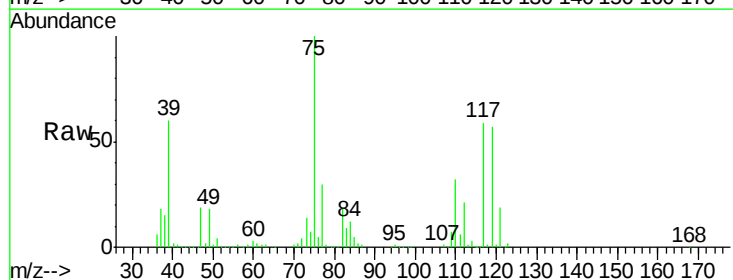
Manual Integrations  
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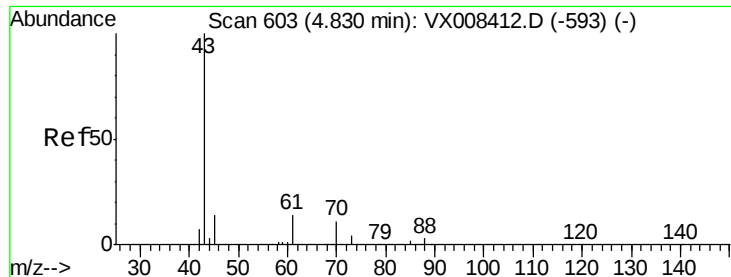
MMDadoda  
4/2/2019 11:19:44 AM



#36  
1,1-Dichloropropene  
Concen: 45.533 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.0  | 16.6 | 49.7  |       |
| 77      | 31.2  | 24.2 | 36.2  |       |





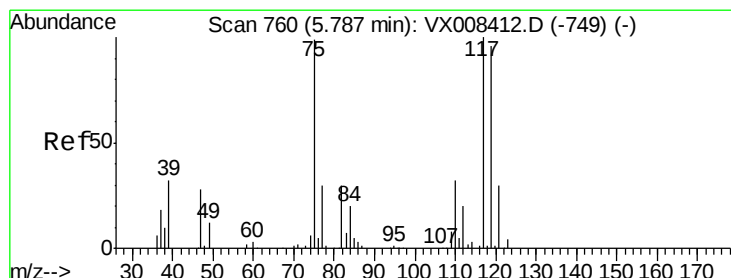
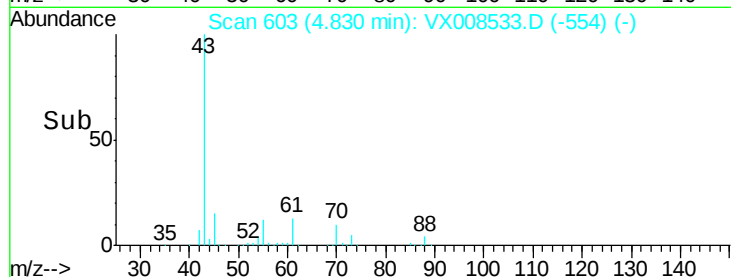
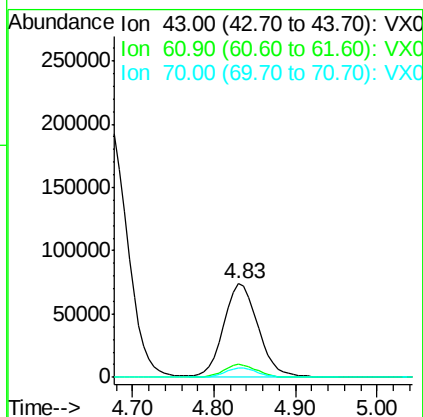
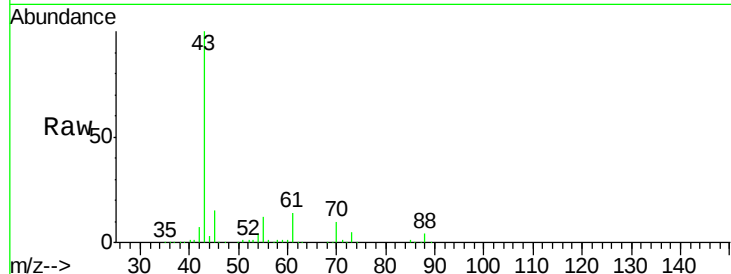
#37  
Ethyl Acetate  
Concen: 48.824 ug/l  
RT: 4.83 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43    | Resp  | 215186 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 13.5  | 10.5  | 15.7   |
| 70        | 9.8   | 7.8   | 11.8   |

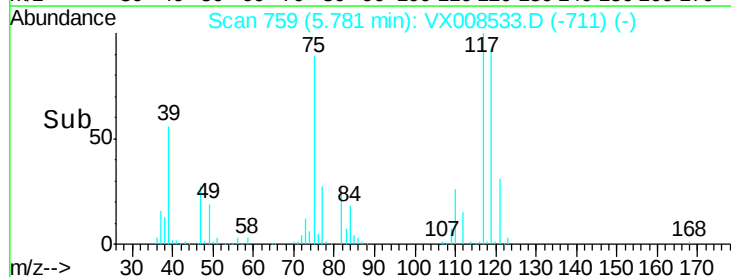
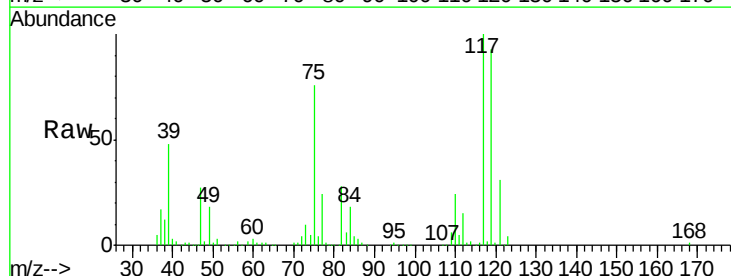
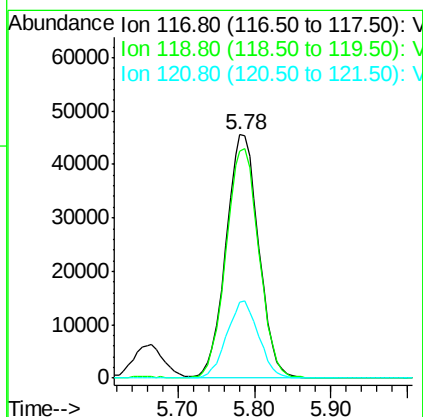
Manual Integrations  
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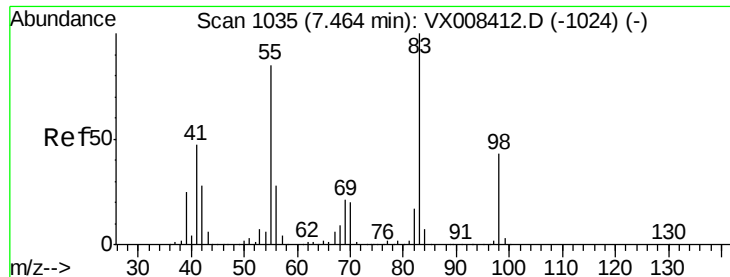
MMDadoda  
4/2/2019 11:19:44 AM



#38  
Carbon Tetrachloride  
Concen: 47.456 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion   | 117   | Resp  | 134735 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 93.2  | 76.7  | 115.1  |
| 121       | 31.3  | 24.3  | 36.5   |





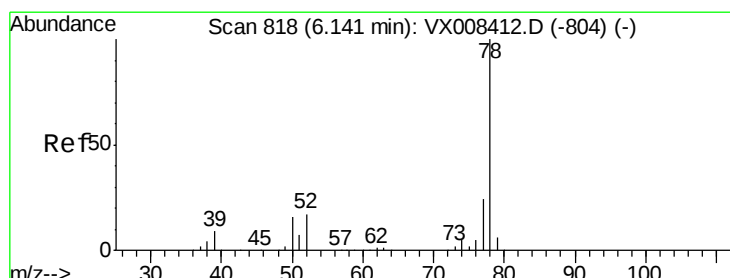
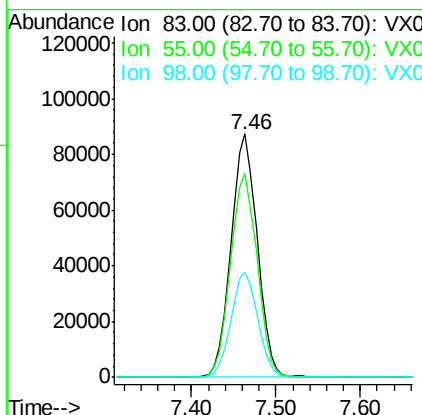
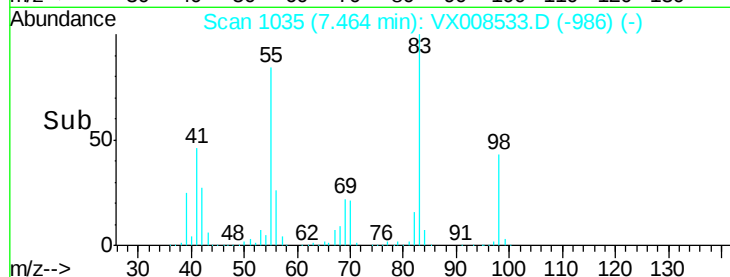
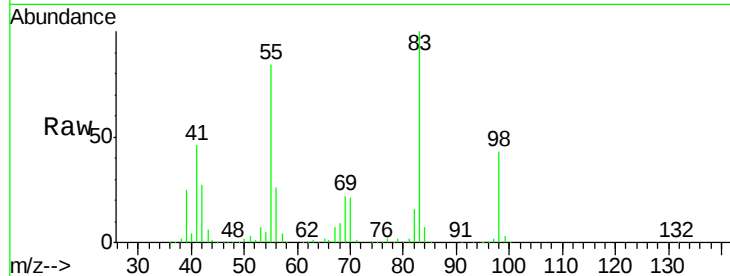
#39  
Methvlcvclohexane  
Concen: 45.449 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 83.9  | 68.2  | 102.4 |
| 98      | 43.4  | 34.2  | 51.4  |

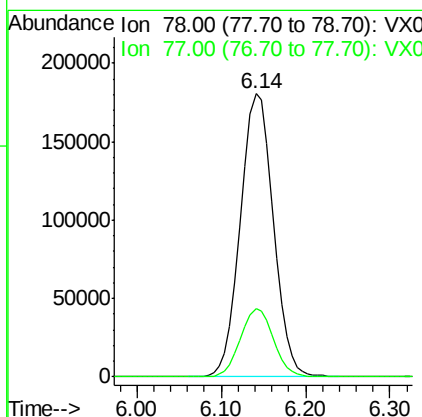
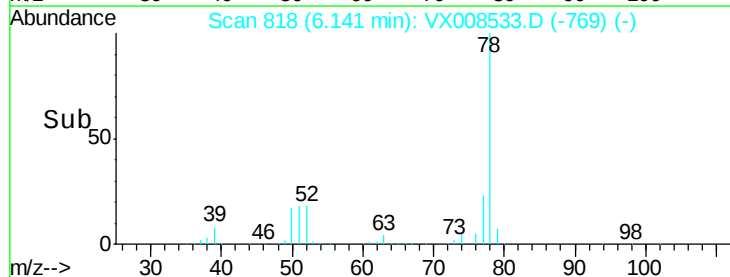
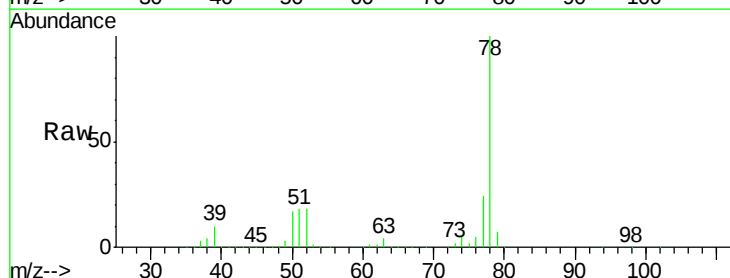
Manual Integrations  
APPROVED

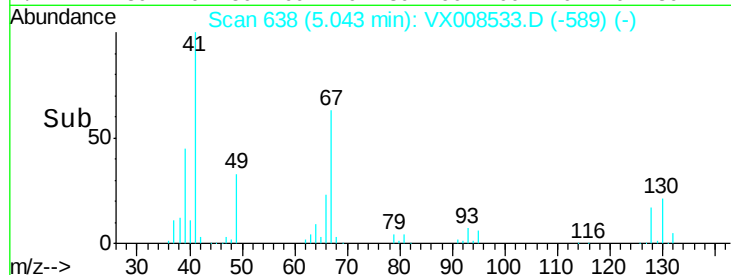
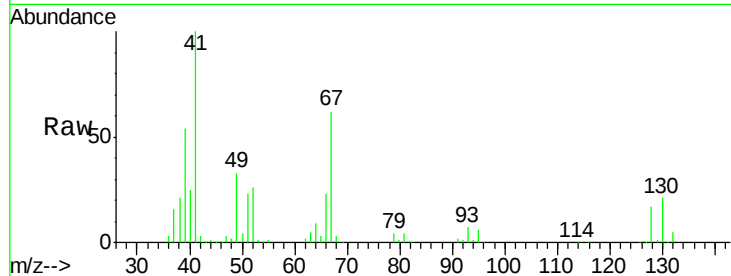
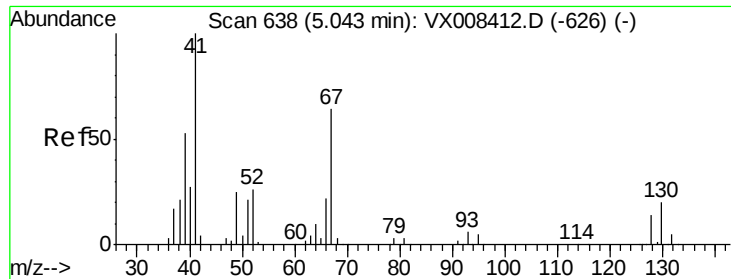
MMDadoda  
4/2/2019 11:19:44 AM



#40  
Benzene  
Concen: 46.970 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.3  | 28.9  |





#41

Methacrylonitrile

Concen: 49.868 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008533.D

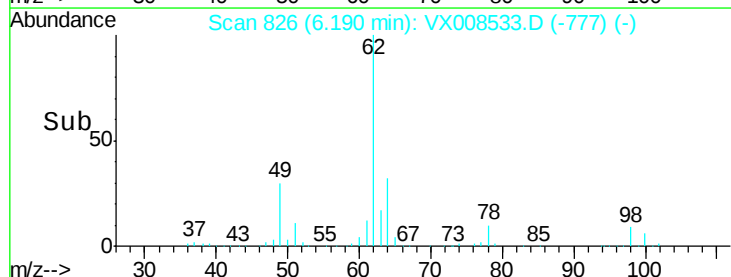
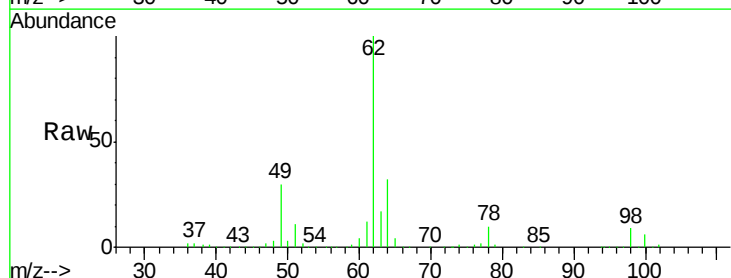
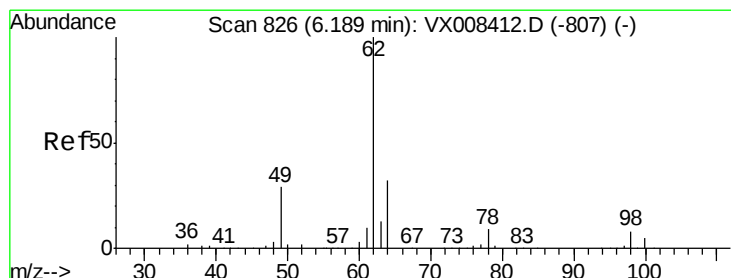
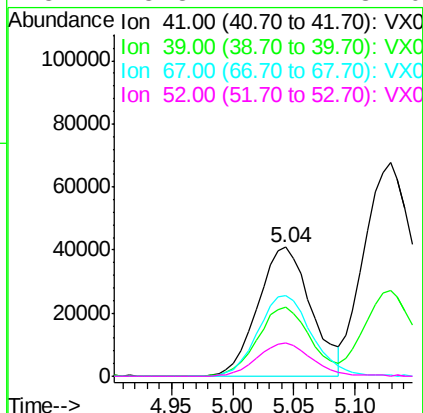
Acq: 28 Mar 2019 20:29

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 53.1 | 42.6  | 64.0 |       |       |
| 67      | 63.8 | 52.2  | 78.4 |       |       |
| 52      | 25.8 | 21.4  | 32.0 |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

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4/2/2019 11:19:44 AM



#42

1,2-Dichloroethane

Concen: 45.806 ug/l

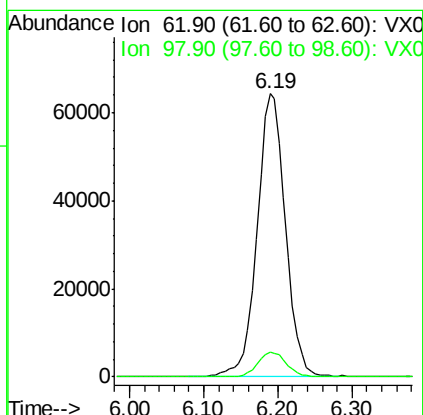
RT: 6.19 min Scan# 826

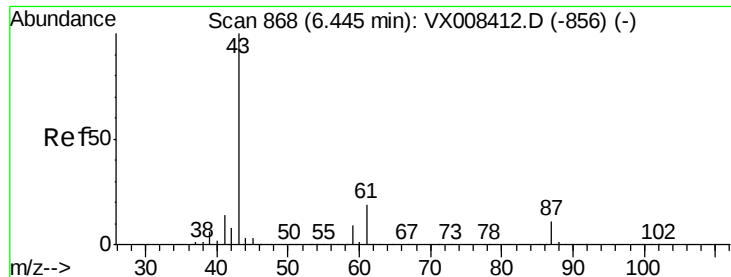
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.8 | 0.0   | 17.6 |       |       |





#43

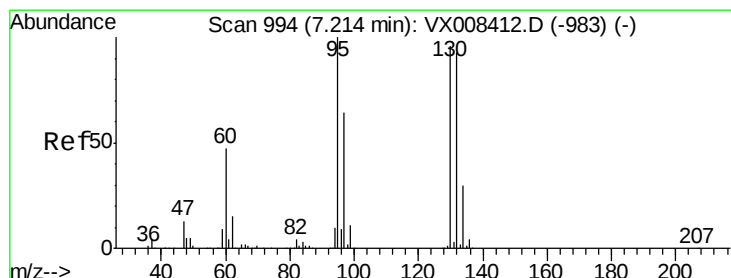
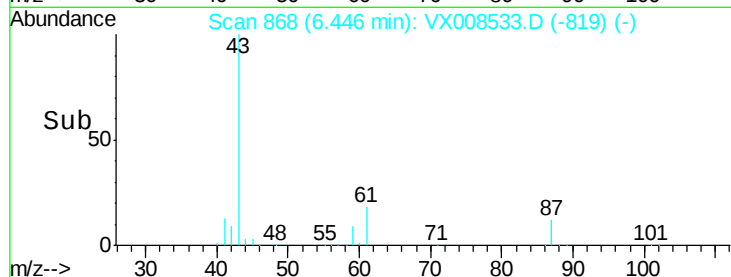
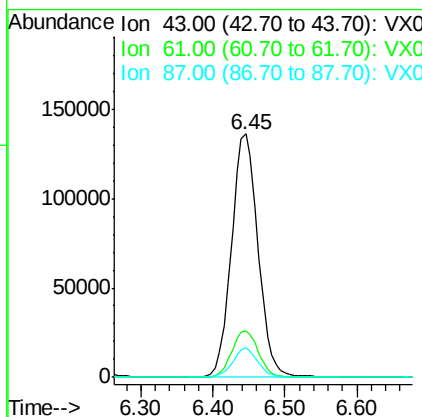
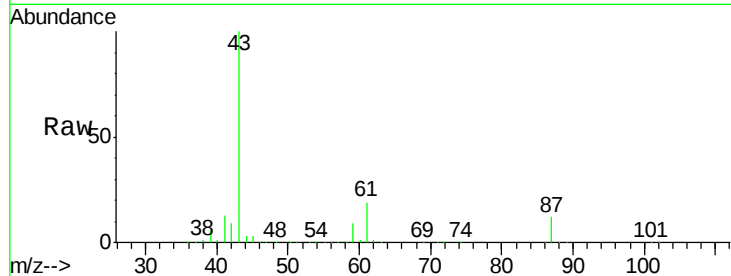
Isopropyl Acetate  
 Concen: 49.213 ug/l  
 RT: 6.45 min Scan# 868  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.4  | 15.4  | 23.2  |
| 87      | 11.4  | 9.1   | 13.7  |

Manual Integrations  
 APPROVED

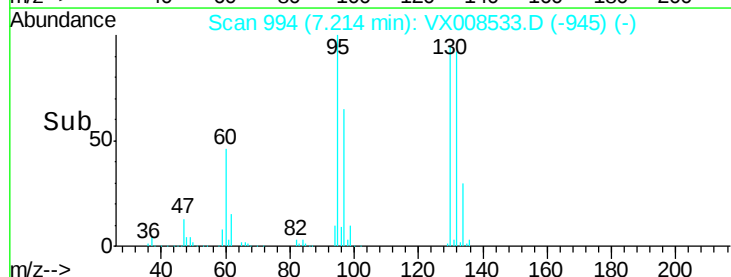
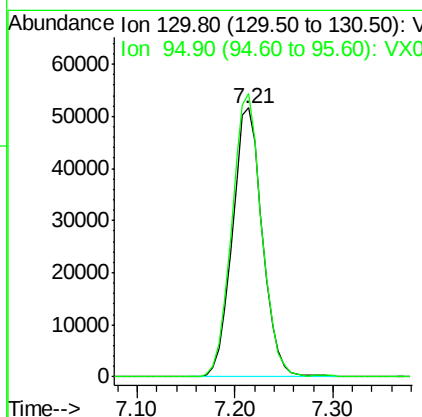
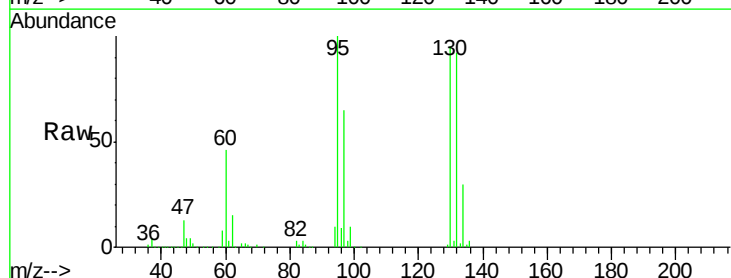
MMDadoda  
 4/2/2019 11:19:44 AM

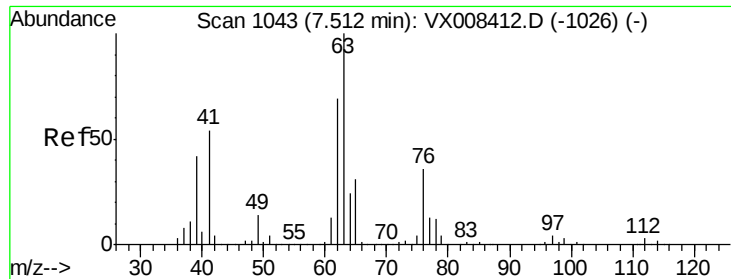


#44

Trichloroethene  
 Concen: 45.868 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 105.1 | 0.0   | 208.8 |





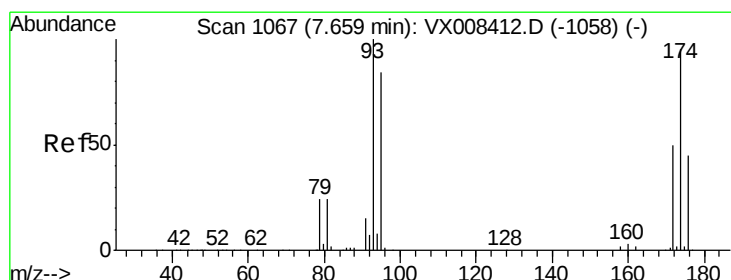
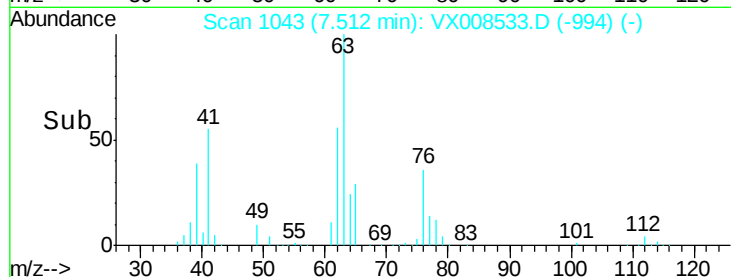
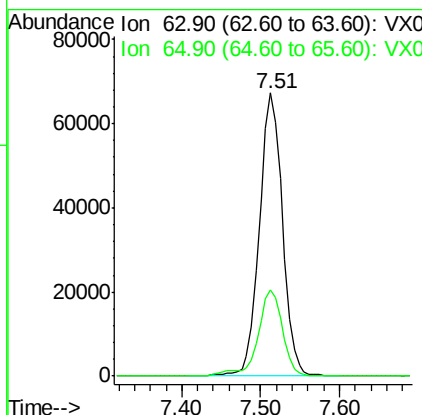
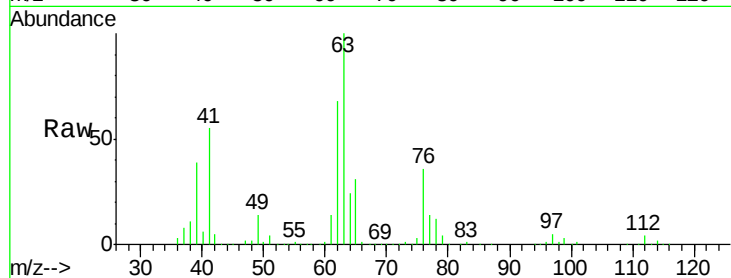
#45  
 1,2-Dichloropropane  
 Concen: 47.474 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 137437  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 25.1 37.7

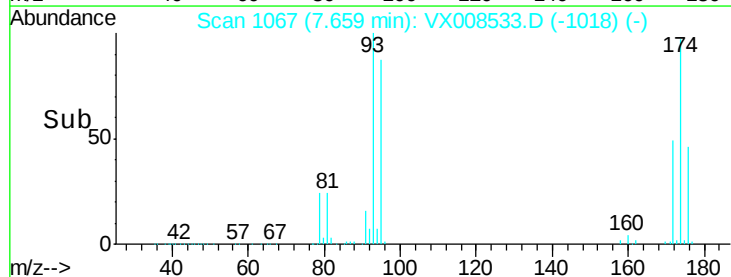
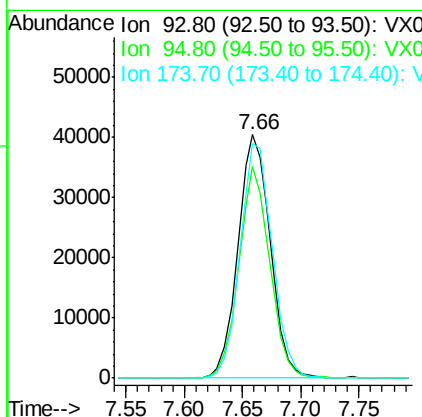
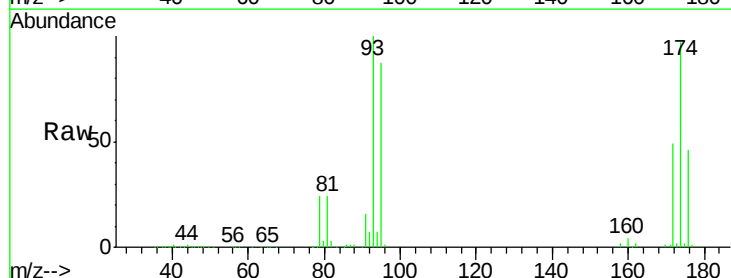
Manual Integrations  
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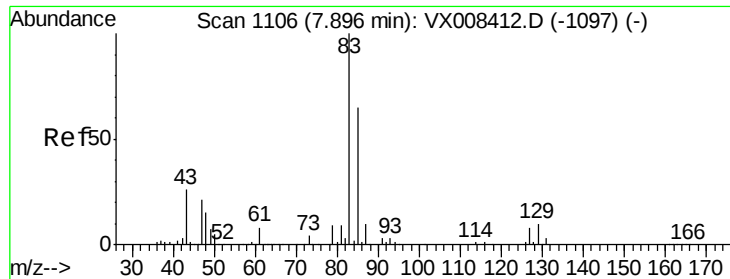
MMDadoda  
 4/2/2019 11:19:44 AM



#46  
 Dibromomethane  
 Concen: 46.254 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

Tgt Ion: 93 Resp: 78193  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 67.0 100.6  
 174 97.0 76.0 114.0





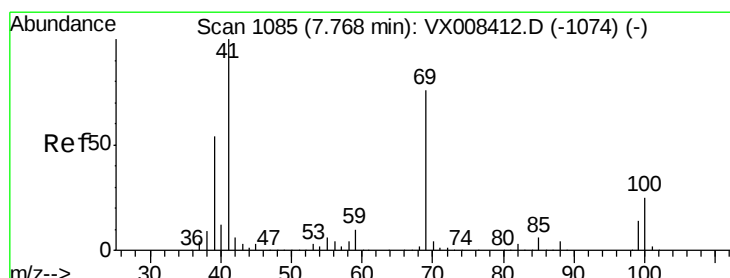
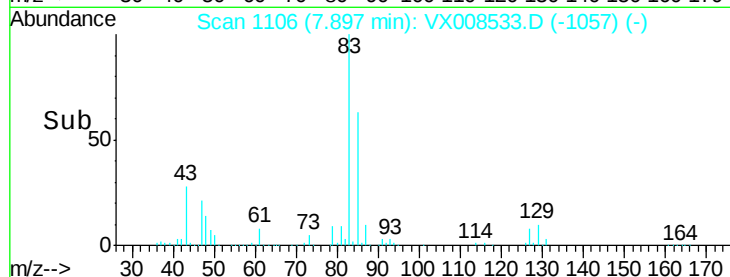
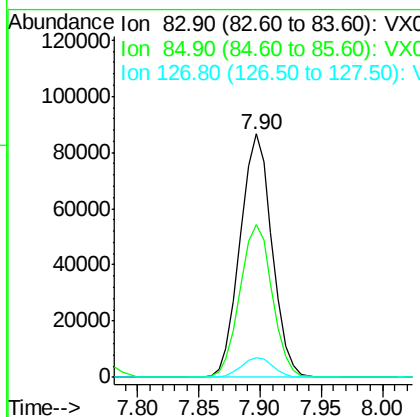
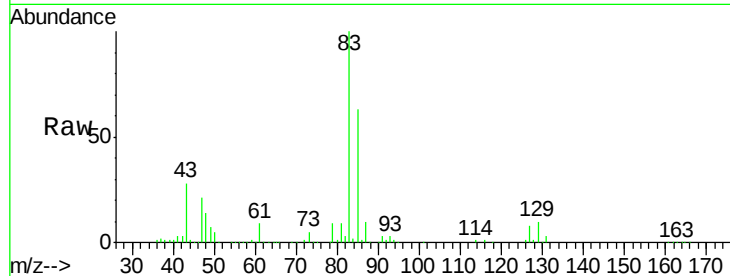
#47  
Bromodichloromethane  
Concen: 48.414 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 156659 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 62.7 | 52.0  | 78.0   |
| 127       | 8.2  | 6.4   | 9.6    |

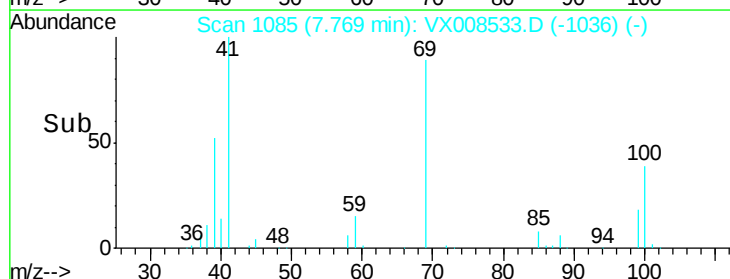
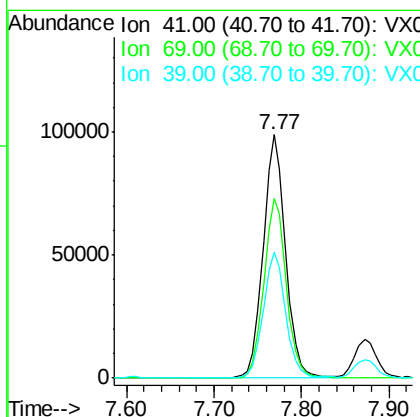
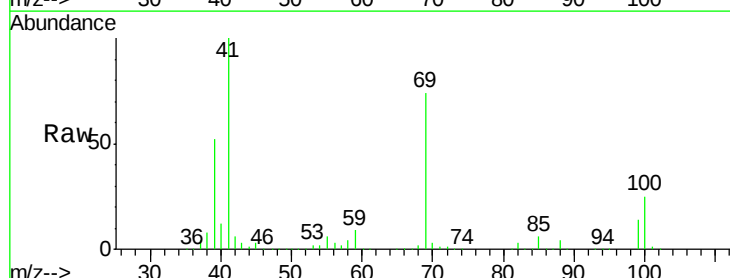
Manual Integrations  
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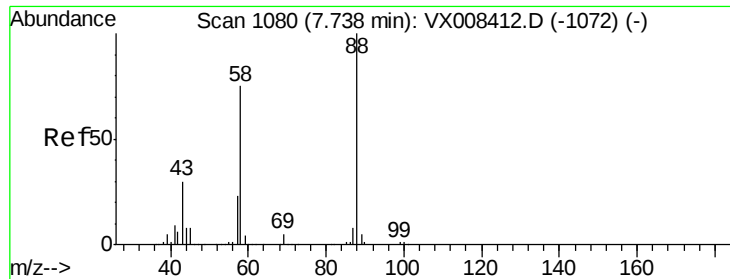
MMDadoda  
4/2/2019 11:19:44 AM



#48  
Methyl methacrylate  
Concen: 49.696 ug/l  
RT: 7.77 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion   | 41   | Resp  | 175294 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 74.5 | 60.8  | 91.2   |
| 39        | 51.6 | 42.3  | 63.5   |





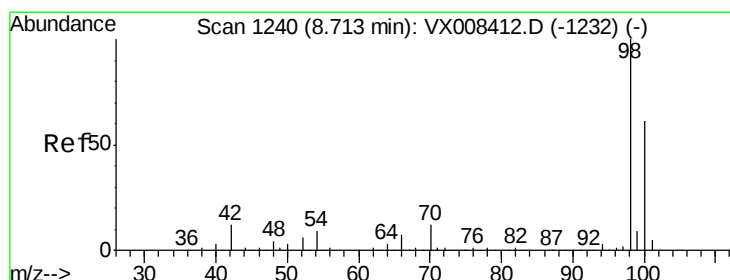
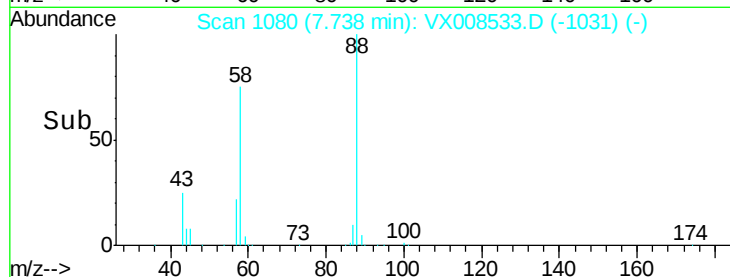
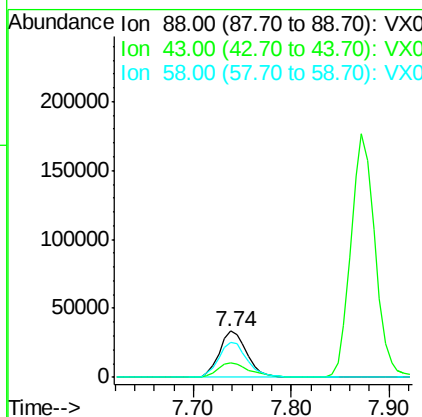
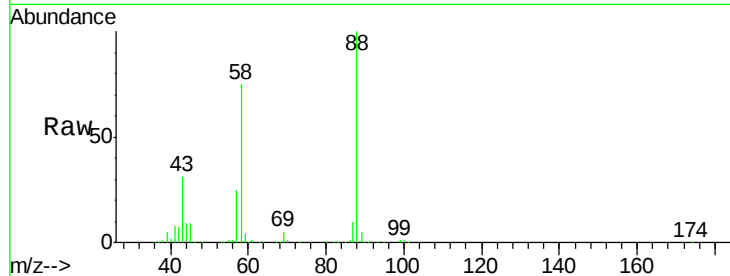
#49  
1,4-Dioxane  
Concen: 933.363 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.3  | 28.6  | 43.0  |
| 58      | 78.4  | 63.0  | 94.4  |

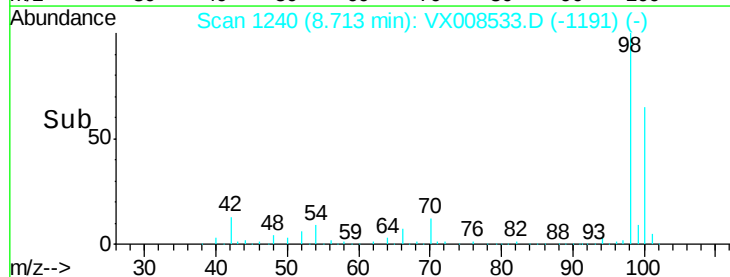
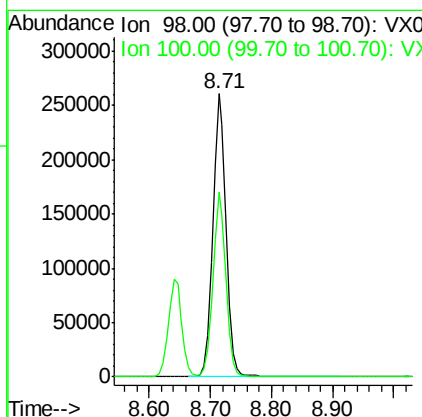
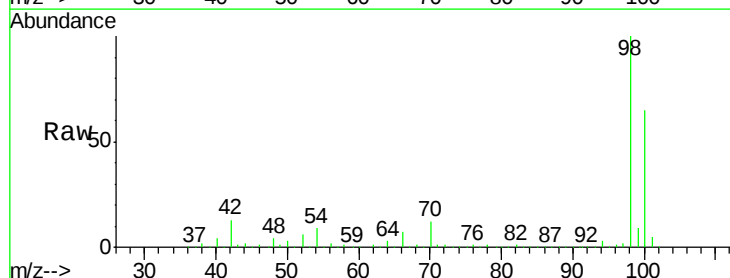
Manual Integrations  
APPROVED

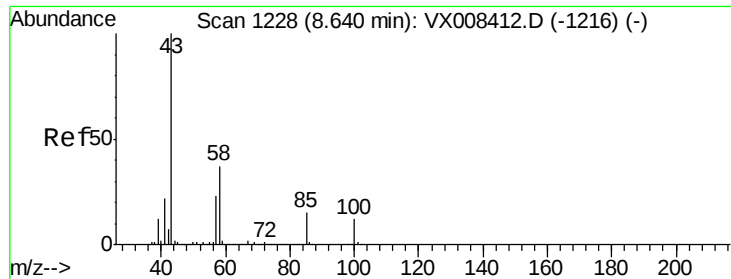
MMDadoda  
4/2/2019 11:19:44 AM



#50  
Toluene-d8  
Concen: 48.581 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 249.714 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1143385

Ion Ratio Lower Upper

43 100

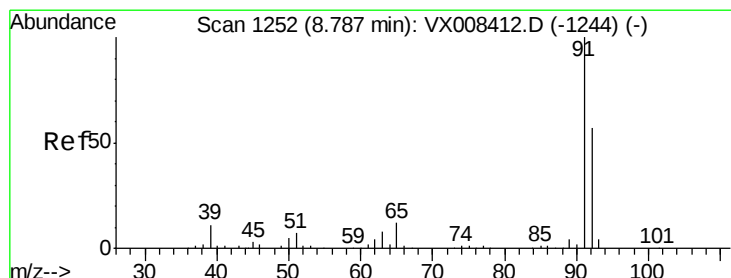
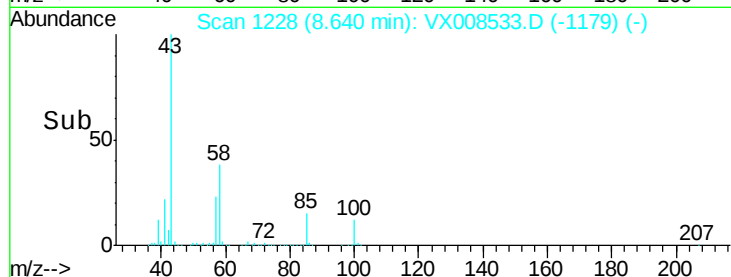
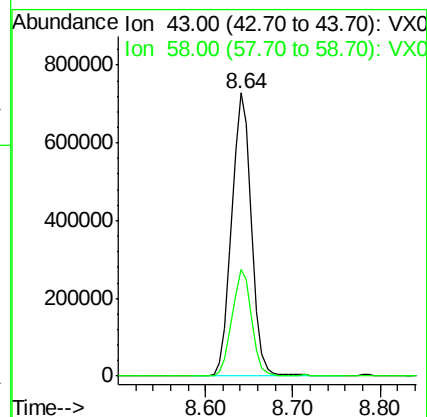
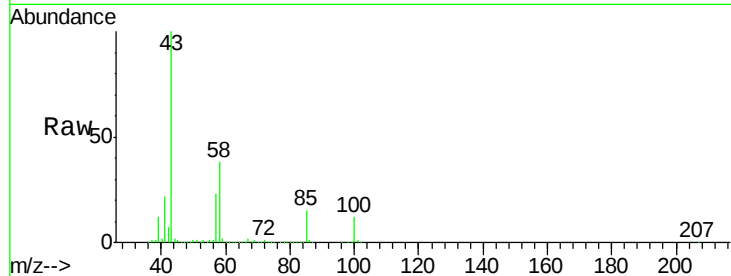
58 37.2 29.8 44.8

Manual Integrations

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4/2/2019 11:19:44 AM



#52

Toluene

Concen: 47.269 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008533.D

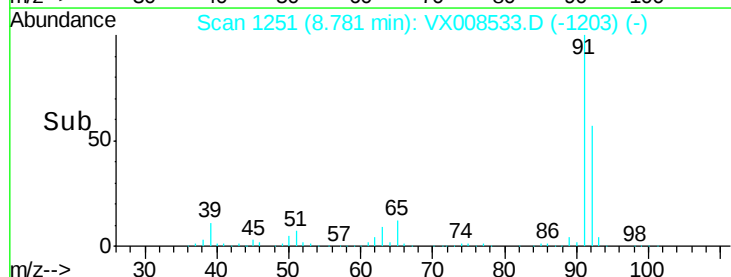
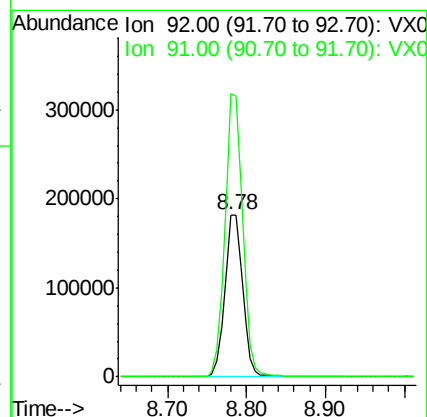
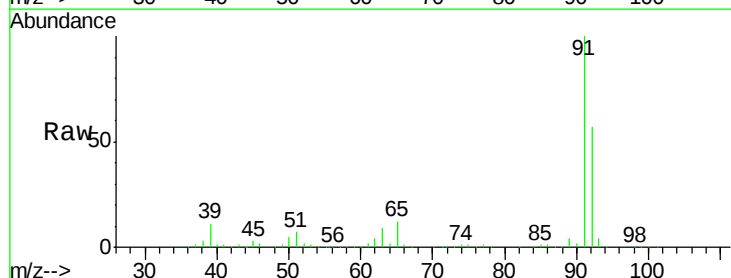
Acq: 28 Mar 2019 20:29

Tgt Ion: 92 Resp: 287862

Ion Ratio Lower Upper

92 100

91 173.5 140.2 210.4





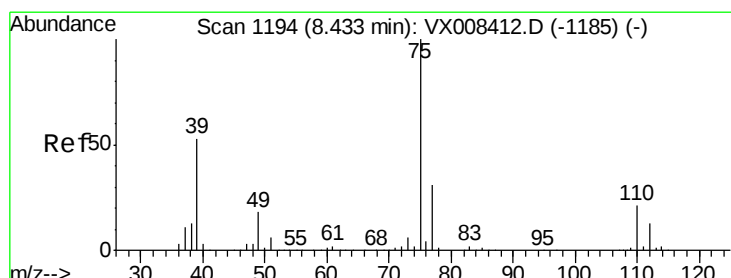
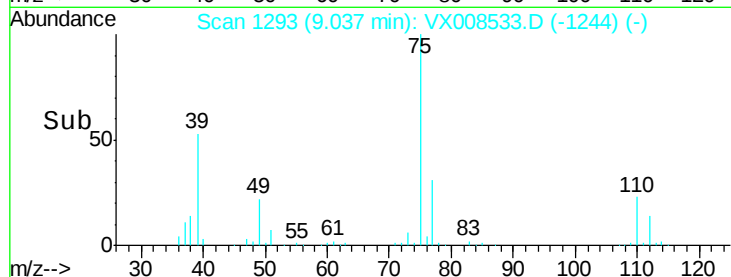
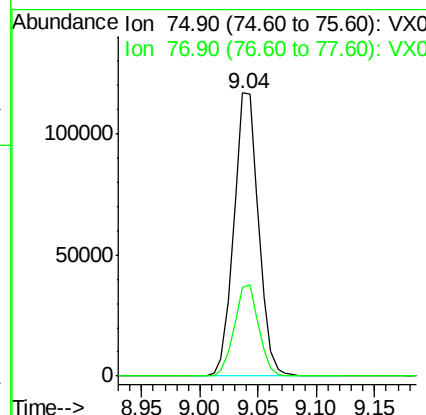
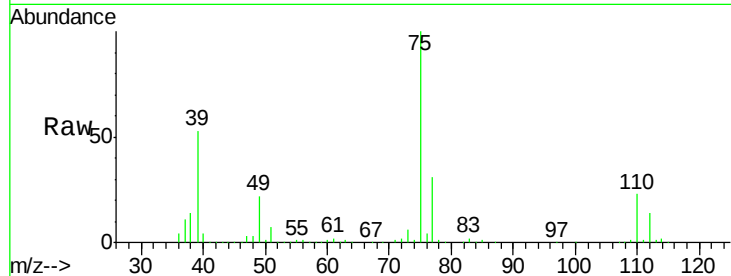
#53  
t-1,3-Dichloropropene  
Concen: 48.791 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 24.3  | 36.5  |

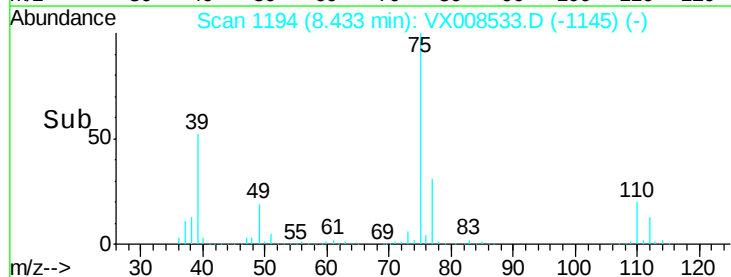
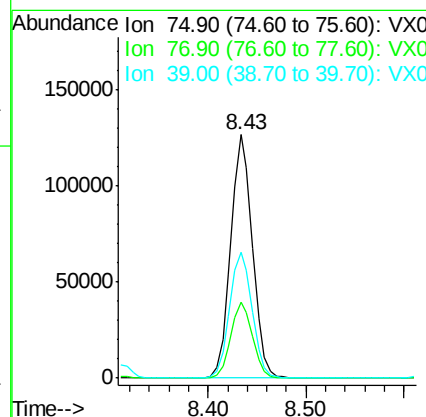
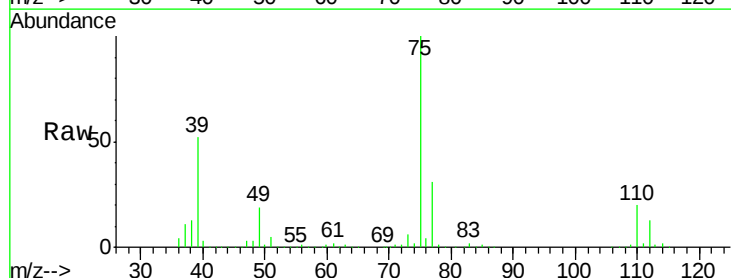
Manual Integrations  
APPROVED

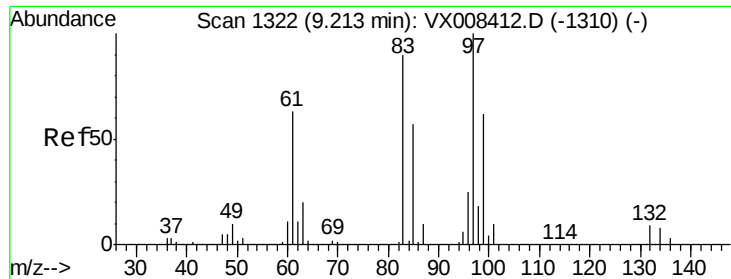
MMDadoda  
4/2/2019 11:19:44 AM



#54  
cis-1,3-Dichloropropene  
Concen: 48.281 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 24.7  | 37.1  |
| 39      | 51.7  | 42.4  | 63.6  |





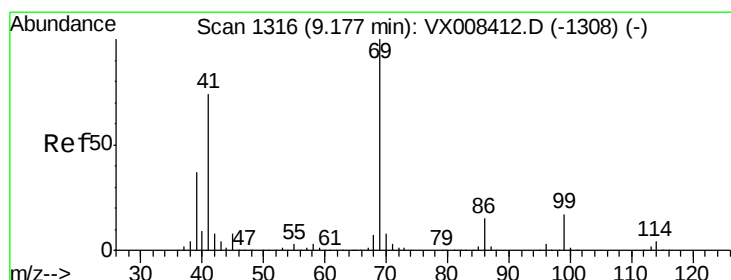
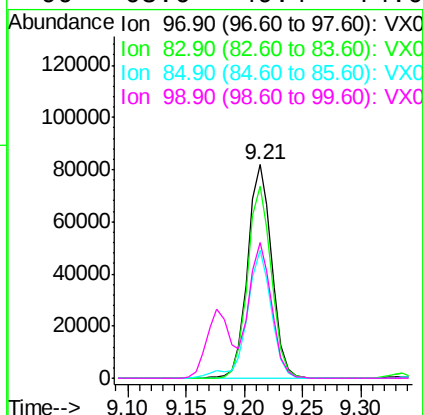
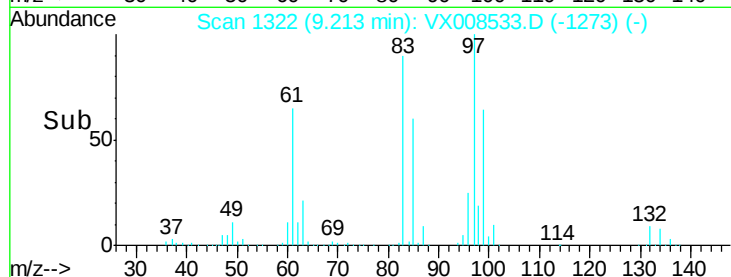
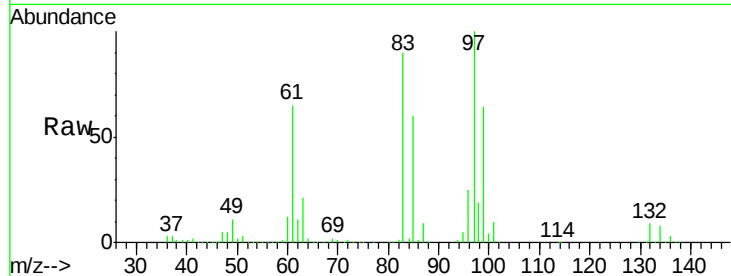
#55  
 1,1,2-Trichloroethane  
 Concen: 47.779 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 118444 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.0  | 71.8  | 107.6  |
| 85       | 60.1  | 45.9  | 68.9   |
| 99       | 63.6  | 49.4  | 74.0   |

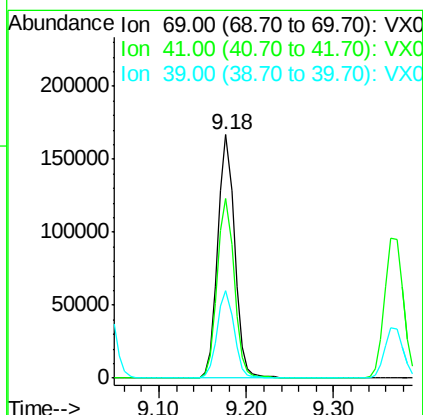
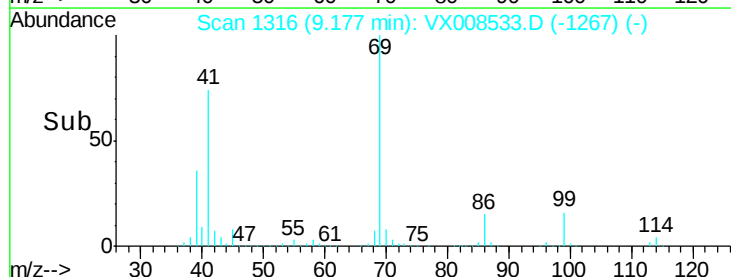
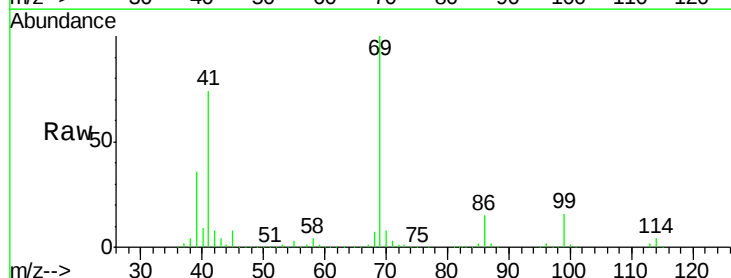
Manual Integrations  
 APPROVED

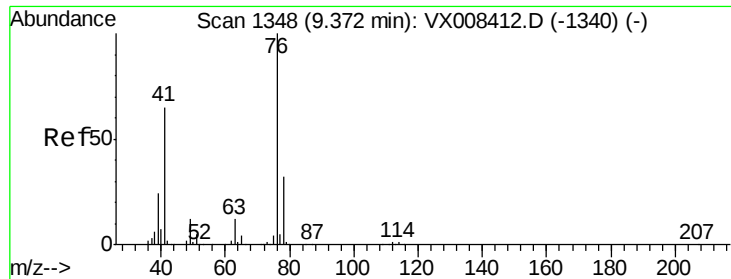
MMDadoda  
 4/2/2019 11:19:44 AM



#56  
 Ethyl methacrylate  
 Concen: 49.831 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX008533.D  
 Acq: 28 Mar 2019 20:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 222987 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.4  | 59.5  | 89.3   |
| 39       | 35.9  | 29.3  | 43.9   |





#57

1,3-Dichloropropane

Concen: 47.427 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 210798

Ion Ratio Lower Upper

76 100

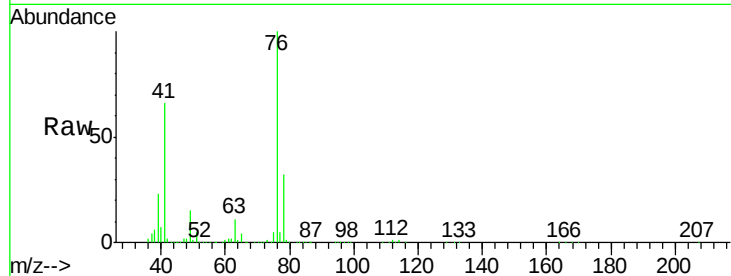
78 31.9 25.8 38.8

Manual Integrations

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4/2/2019 11:19:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

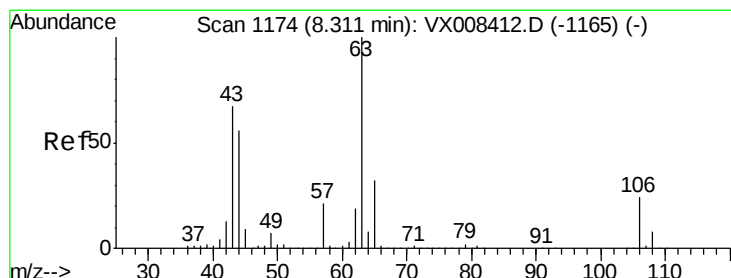
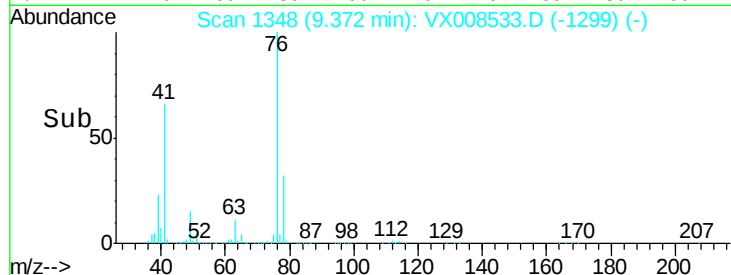
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 235.493 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008533.D

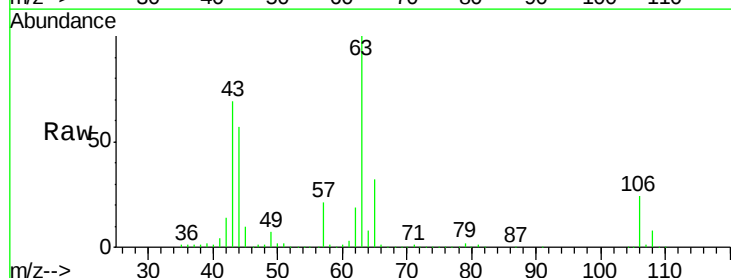
Acq: 28 Mar 2019 20:29

Tgt Ion: 63 Resp: 544723

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

400000

300000

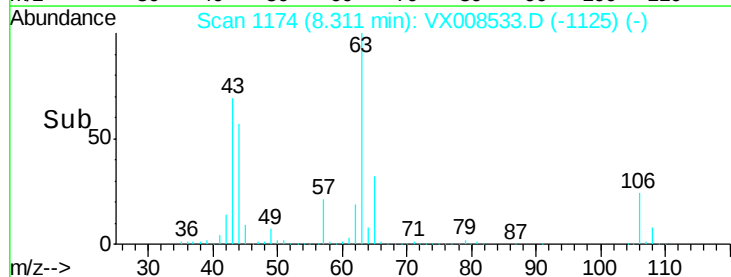
200000

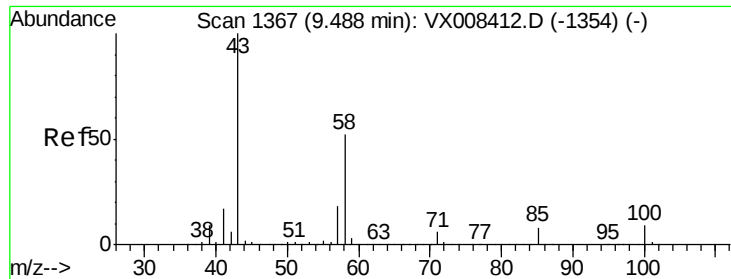
100000

0

8.20 8.30 8.40

Time-->





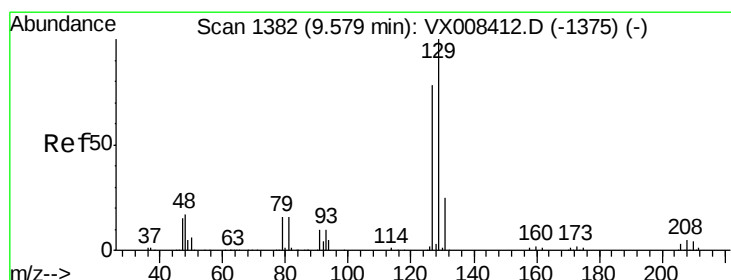
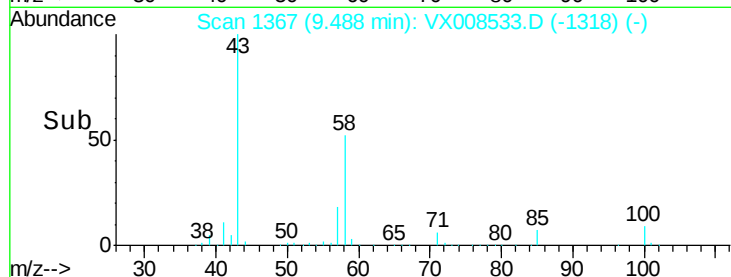
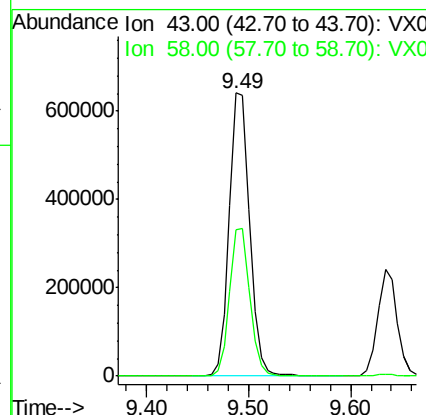
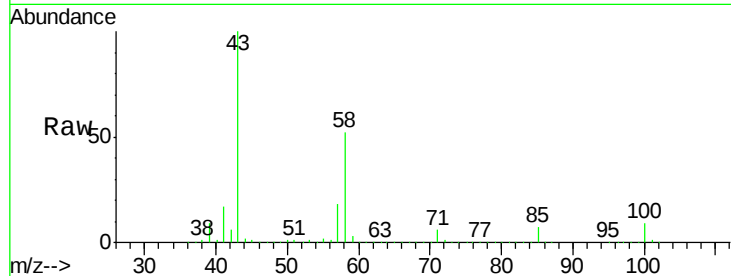
#59  
2-Hexanone  
Concen: 251.781 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 43  | 58   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 893291  | 100 | 52.0 |       | 26.3  | 78.9  |

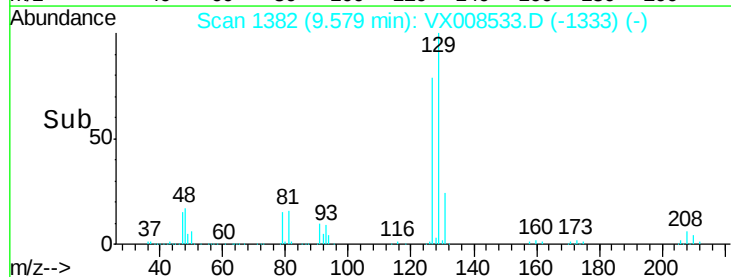
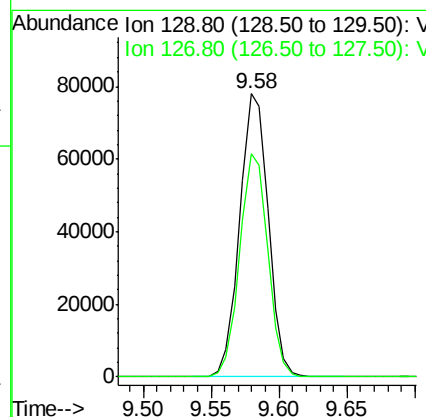
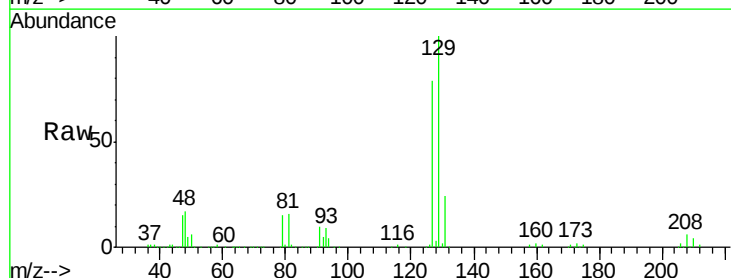
Manual Integrations  
APPROVED

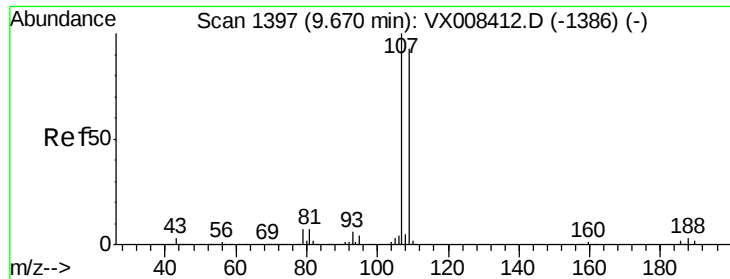
MMDadoda  
4/2/2019 11:19:44 AM



#60  
Dibromochloromethane  
Concen: 48.466 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | 129 | 127  | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 114263  | 100 | 78.0 |       | 38.1  | 114.3 |





#61

1,2-Dibromoethane

Concen: 47.425 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 119981

Ion Ratio Lower Upper

107 100

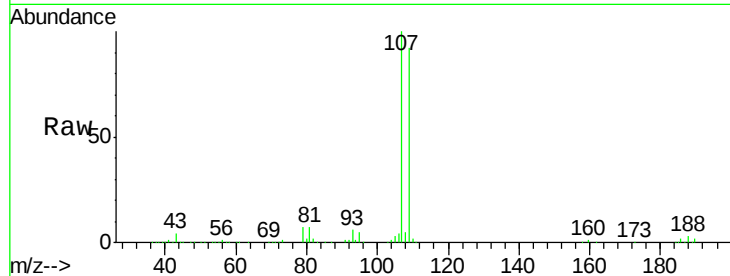
109 93.7 74.6 111.8

Manual Integrations

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MMDadoda

4/2/2019 11:19:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

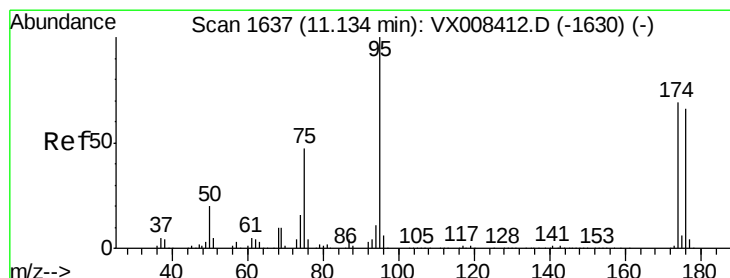
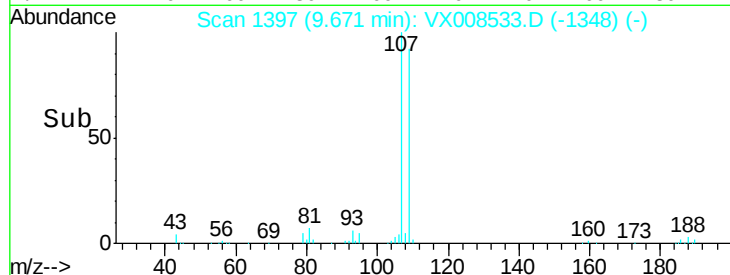
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.478 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

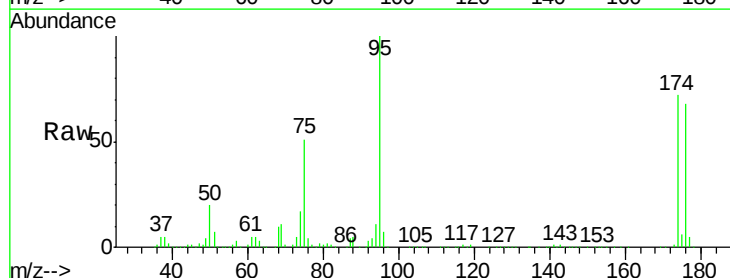
Tgt Ion: 95 Resp: 149450

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.2

176 72.8 0.0 142.4



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

11.13

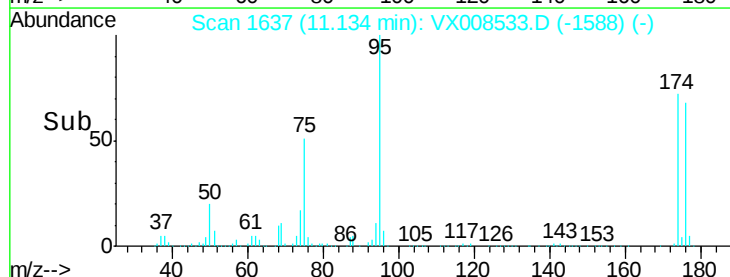
150000

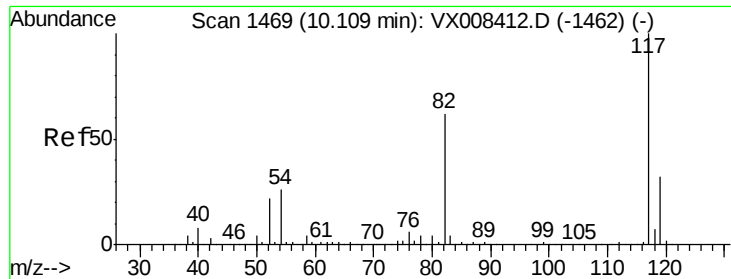
100000

50000

0

Time-->





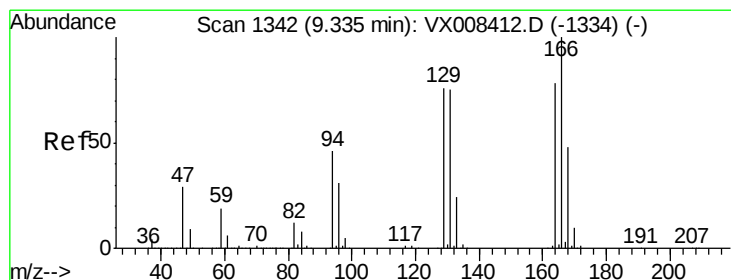
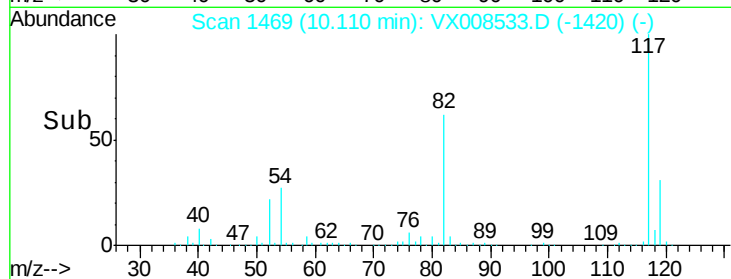
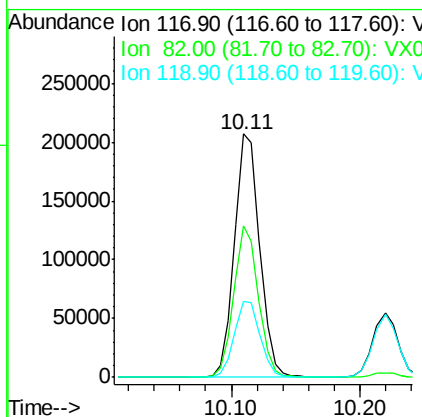
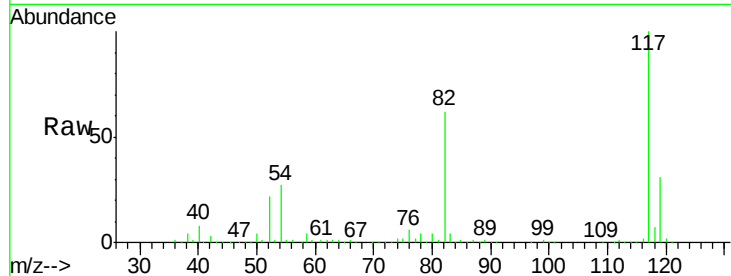
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 62.4  | 49.4  | 74.2  |
| 119     | 31.3  | 25.4  | 38.0  |

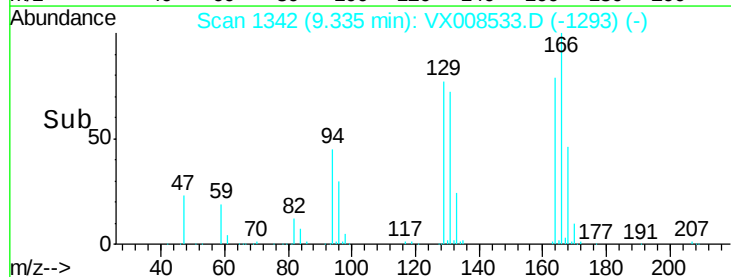
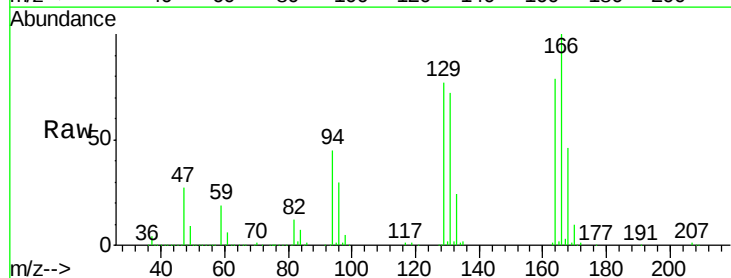
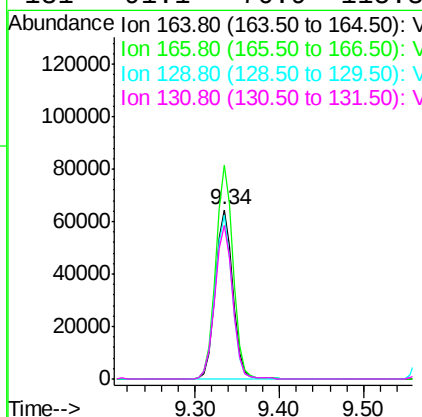
Manual Integrations  
APPROVED

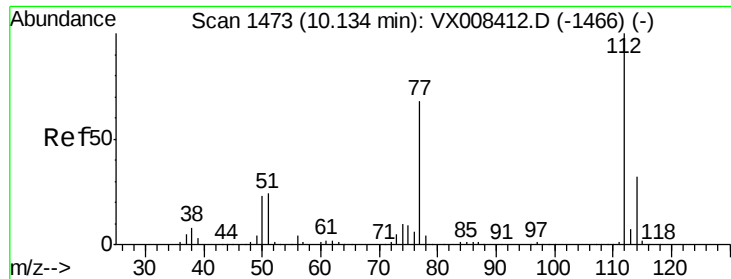
MMDadoda  
4/2/2019 11:19:44 AM



#64  
Tetrachloroethene  
Concen: 48.055 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.3 | 102.5 | 153.7 |
| 129     | 96.7  | 77.8  | 116.8 |
| 131     | 91.1  | 76.9  | 115.3 |





#65

Chlorobenzene

Concen: 47.675 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 294816

Ion Ratio Lower Upper

112 100

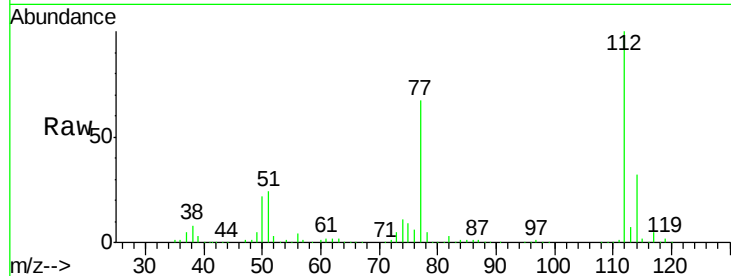
114 32.0 25.4 38.2

Manual Integrations

APPROVED

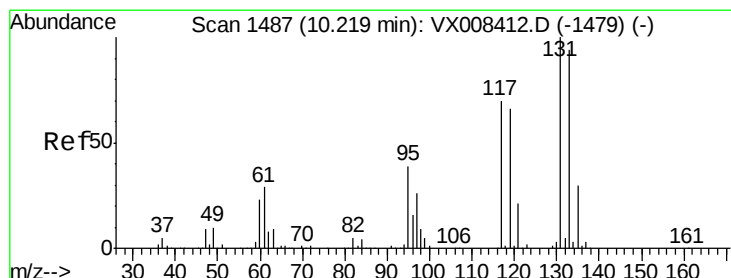
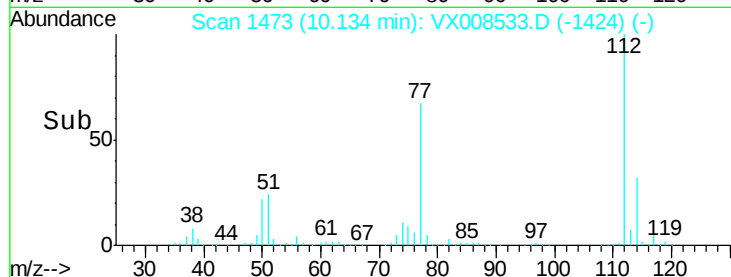
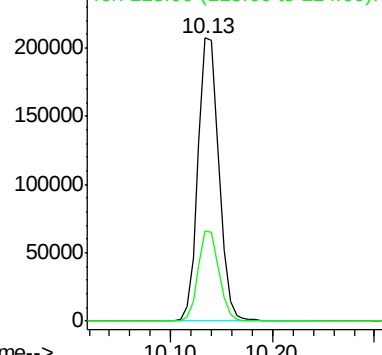
MMDadoda

4/2/2019 11:19:44 AM



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: 49.135 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

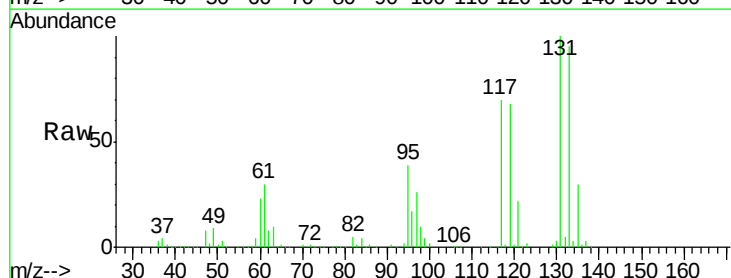
Tgt Ion:131 Resp: 104831

Ion Ratio Lower Upper

131 100

133 95.8 47.3 141.8

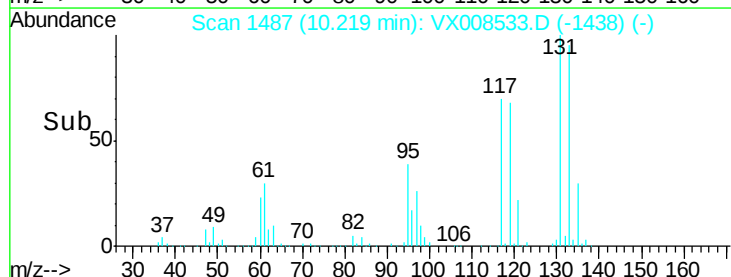
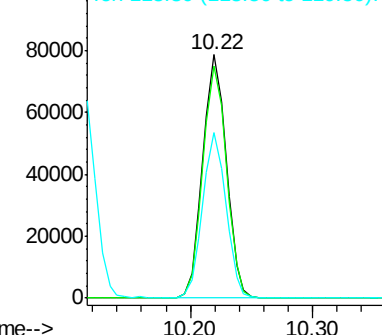
119 67.4 33.6 100.6

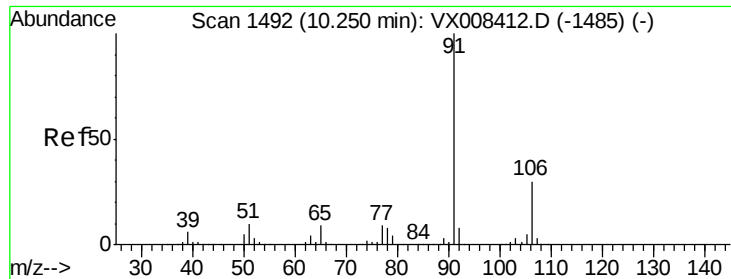


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





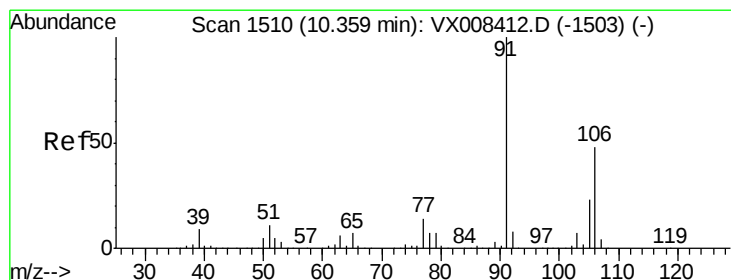
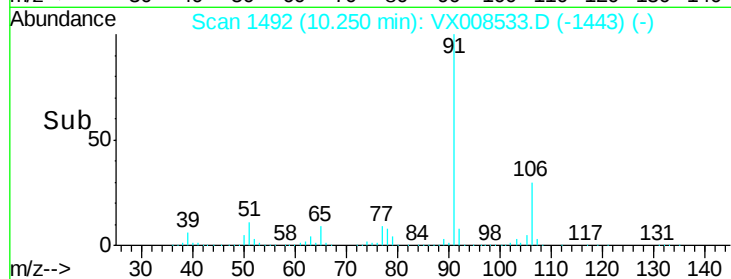
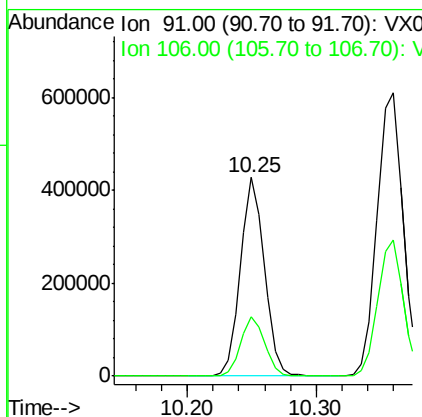
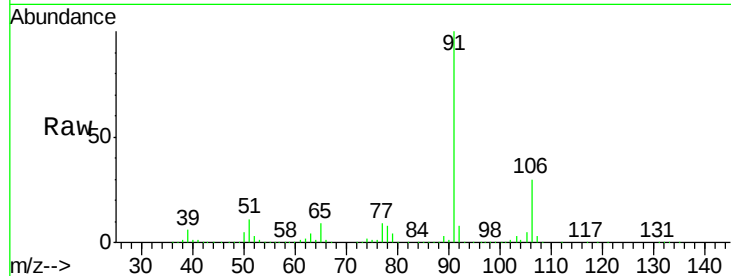
#67  
Ethyl Benzene  
Concen: 47.420 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 553430  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.0 36.0

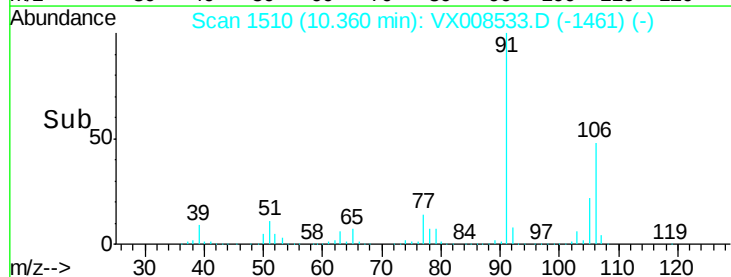
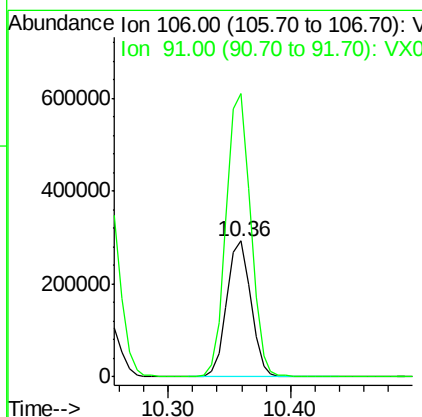
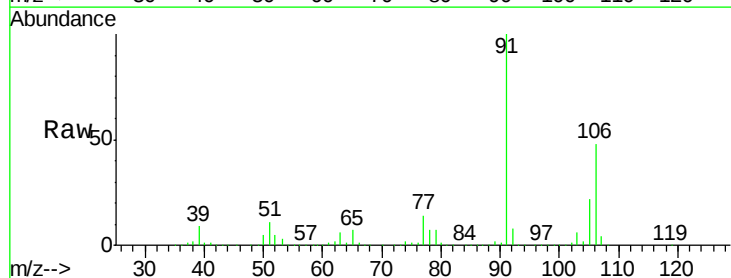
Manual Integrations  
APPROVED

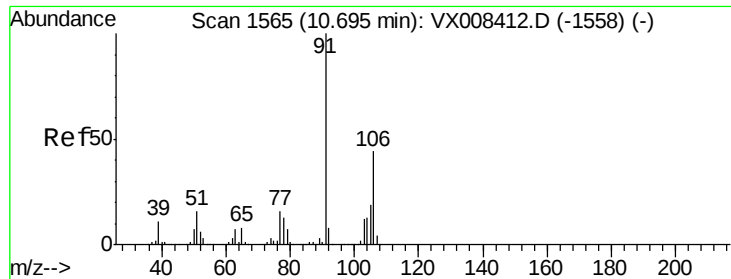
MMDadoda  
4/2/2019 11:19:44 AM



#68  
m/p-Xylenes  
Concen: 94.439 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Tgt Ion: 106 Resp: 400968  
Ion Ratio Lower Upper  
106 100  
91 211.7 168.6 253.0





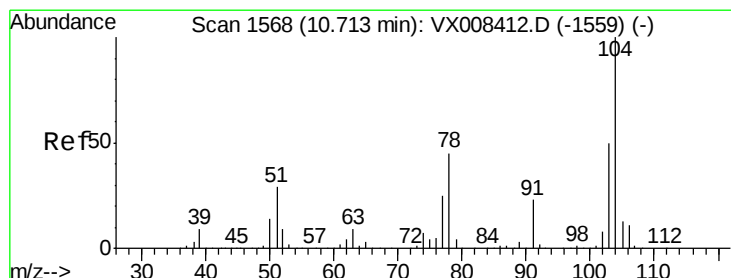
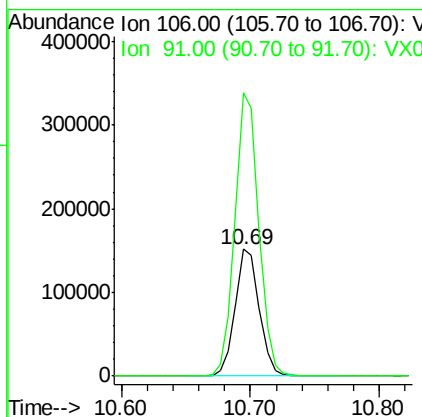
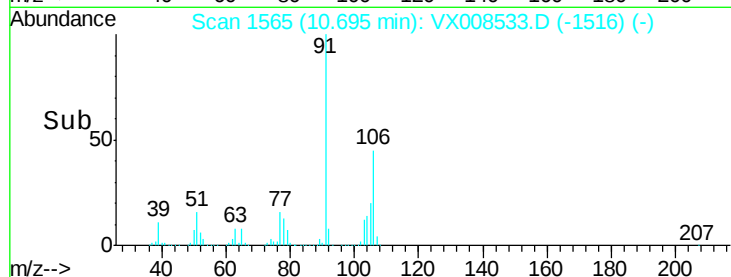
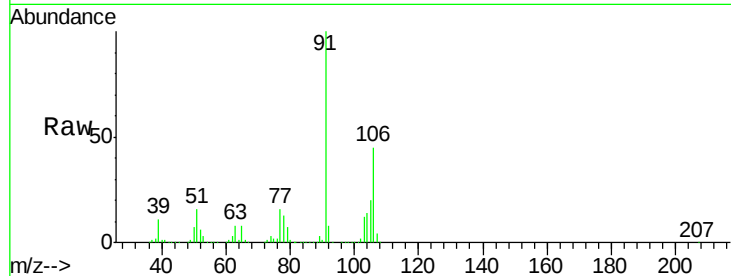
#69  
o-Xylene  
Concen: 47.902 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 222.6 | 111.4 | 197368 | 334.2 |       |

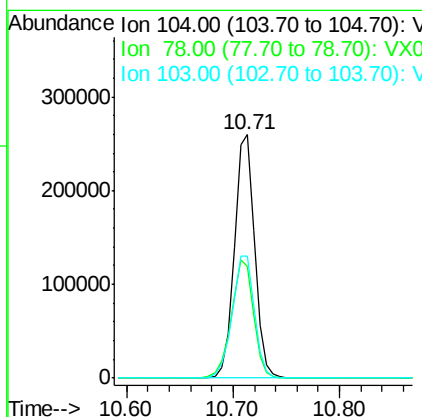
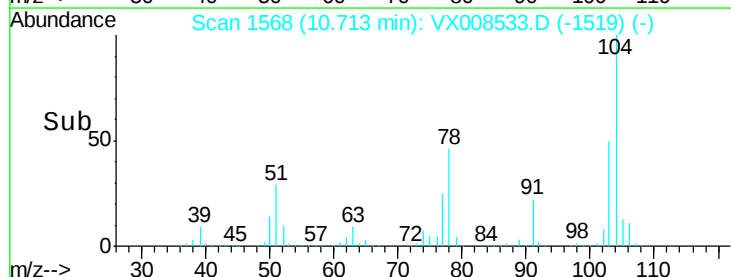
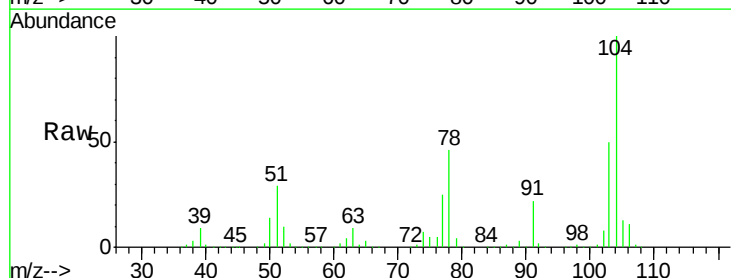
Manual Integrations  
APPROVED

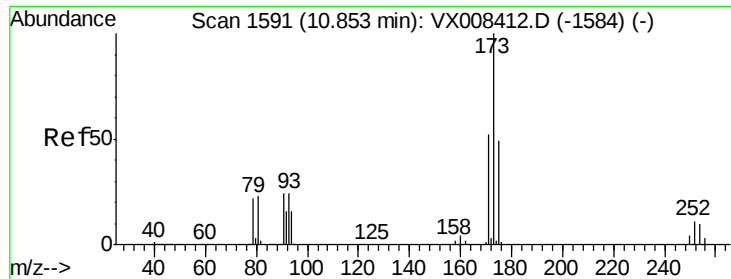
MMDadoda  
4/2/2019 11:19:44 AM



#70  
Styrene  
Concen: 48.678 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 53.0 | 42.5  | 346450 | 63.7  |       |
| 103     | 55.5 | 44.2  |        | 66.4  |       |





#71

Bromoform

Concen: 50.015 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84270

Ion Ratio Lower Upper

173 100

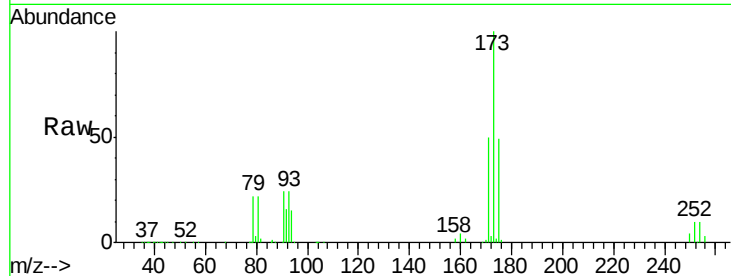
175 48.8 24.3 72.8

254 0.1 0.2 0.2#

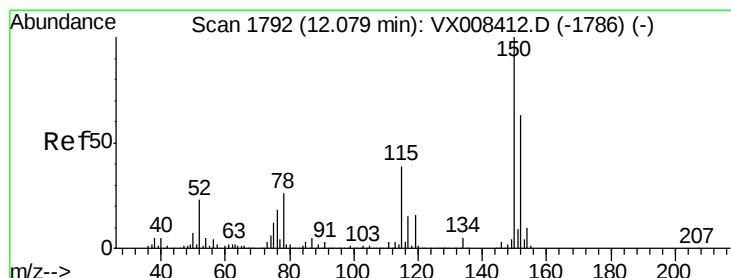
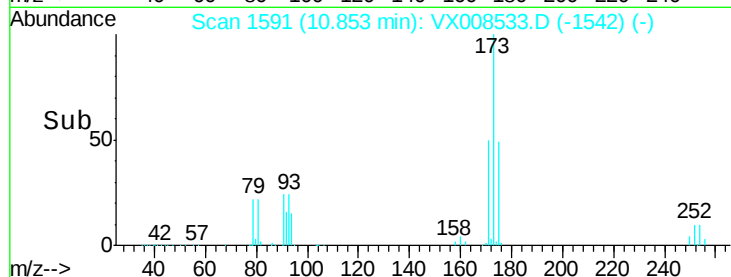
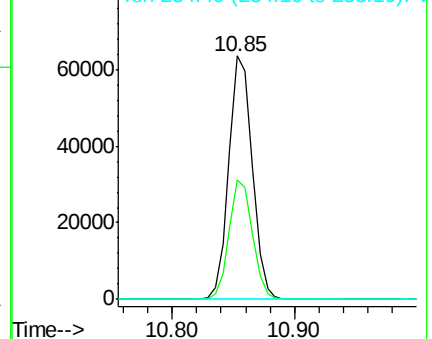
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

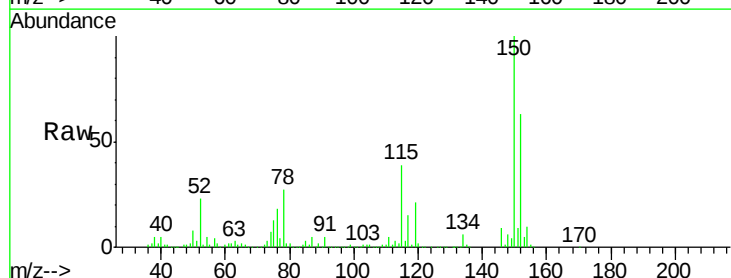
Tgt Ion:152 Resp: 136808

Ion Ratio Lower Upper

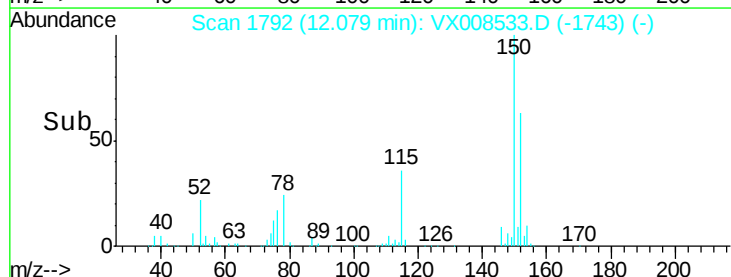
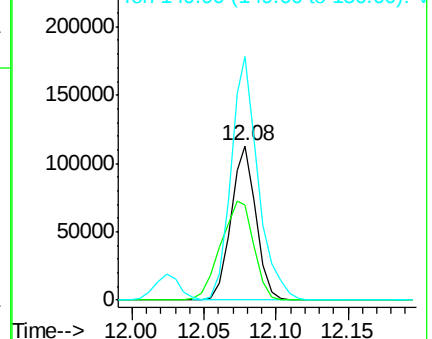
152 100

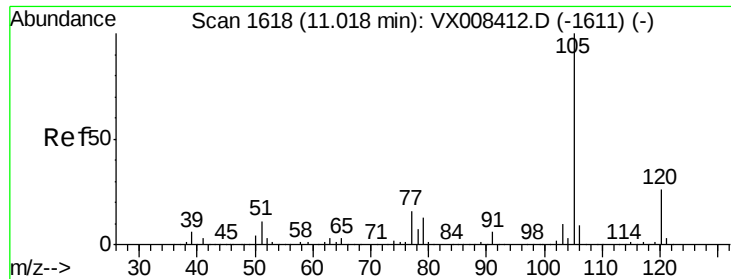
115 84.6 43.5 130.5

150 171.9 0.0 348.8



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: 46.580 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 518434

Ion Ratio Lower Upper

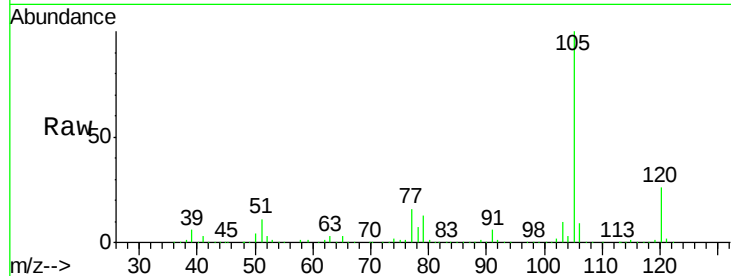
105 100

120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

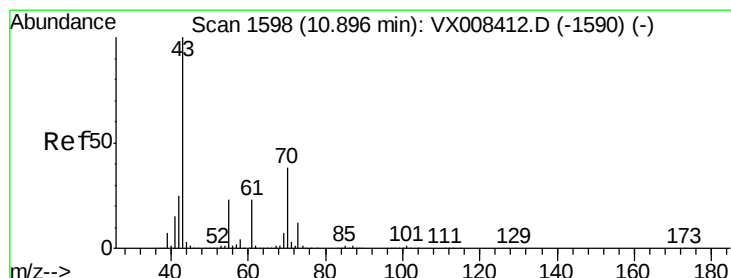
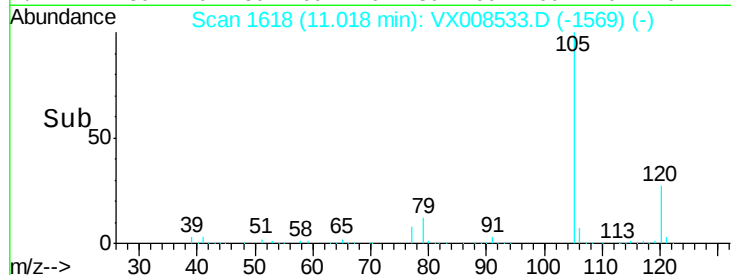
100000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 50.041 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Tgt Ion: 43 Resp: 322375

Ion Ratio Lower Upper

43 100

70 37.9 30.5 45.7

55 22.5 18.2 27.2

61 22.8 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

100000

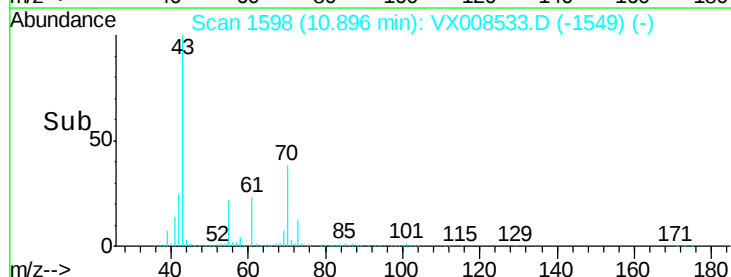
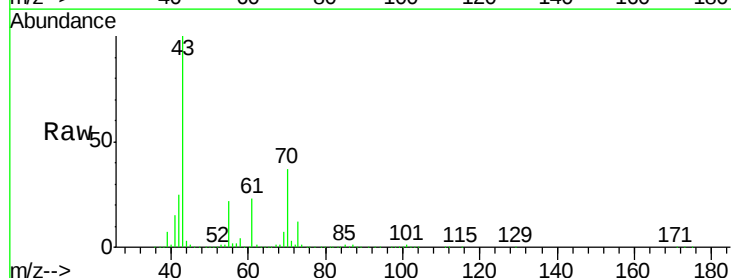
0

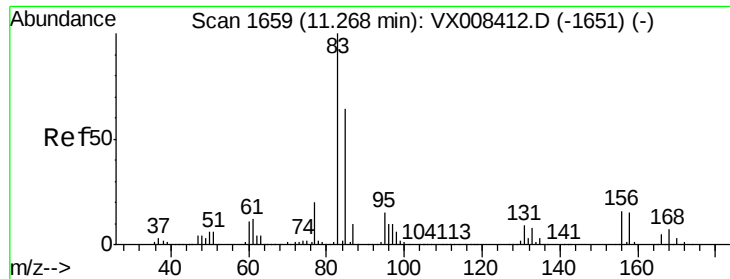
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.165 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

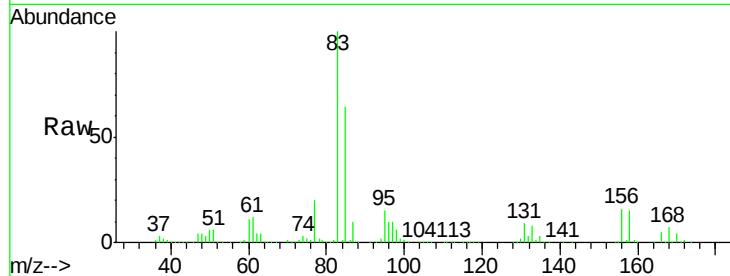
ClientSampleId :

VSTDCCC050EC

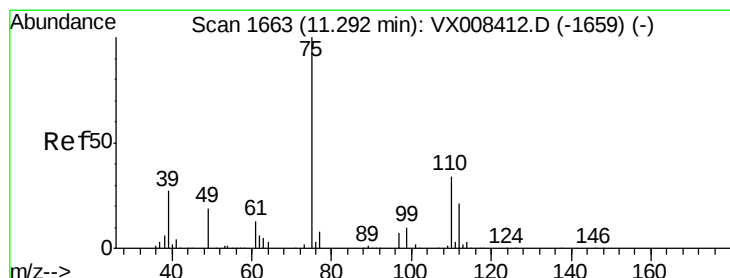
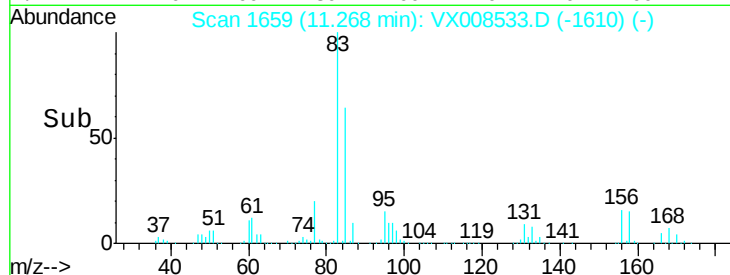
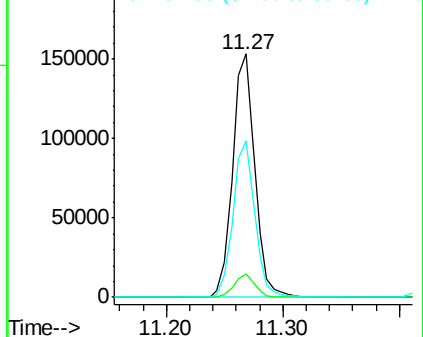
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 203677 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.0   | 4.5   | 13.4   |
| 85        | 63.5  | 31.9  | 95.9   |

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 41.794 ug/l m

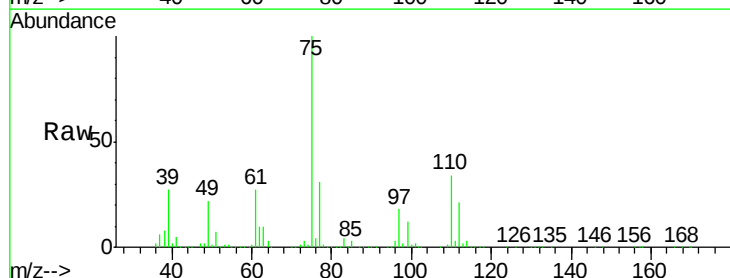
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

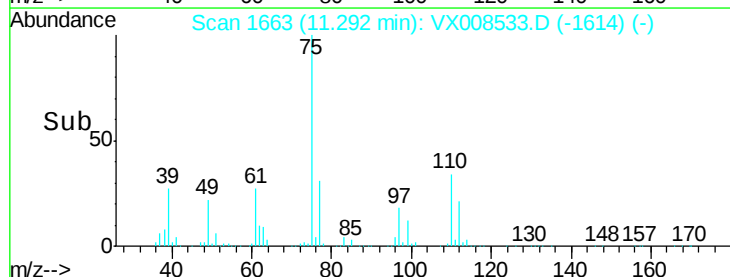
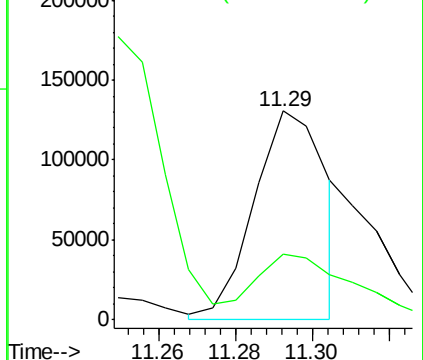
Lab File: VX008533.D

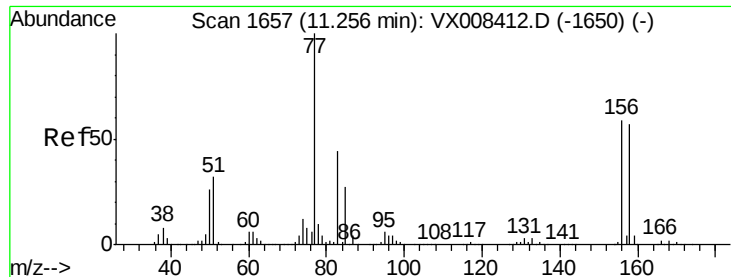
Acq: 28 Mar 2019 20:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 169986 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 43.2  | 21.9  | 65.7   |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.331 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

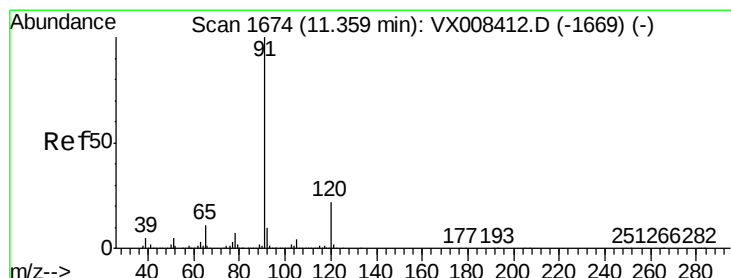
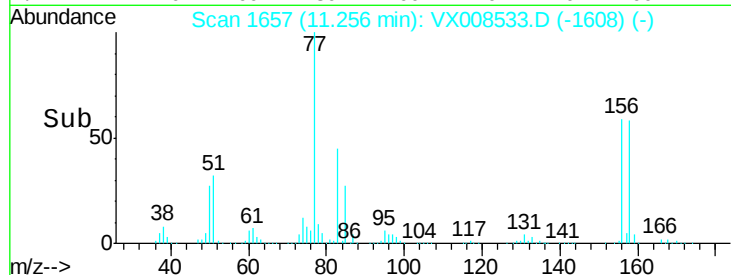
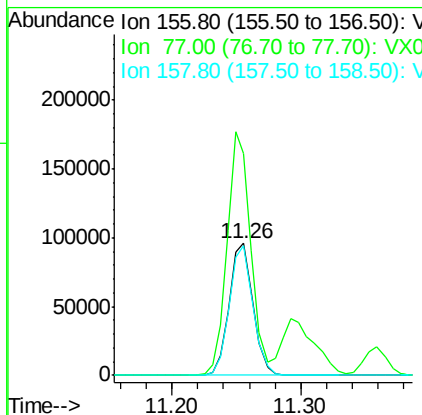
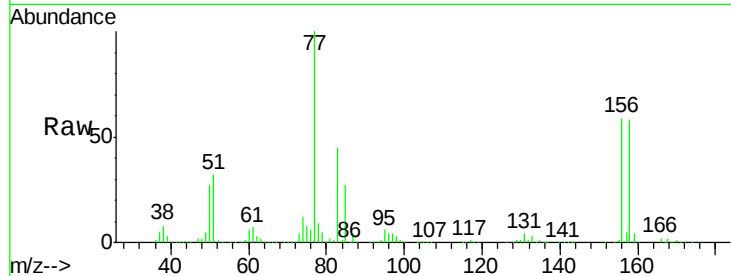
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 125152 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 181.4 | 91.1  | 273.3  |
| 158       | 97.2  | 48.3  | 144.8  |

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#78

n-propylbenzene

Concen: 46.534 ug/l

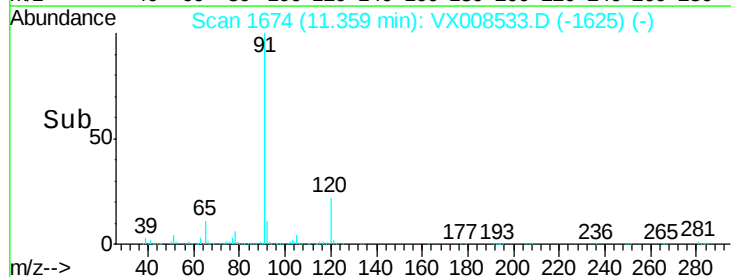
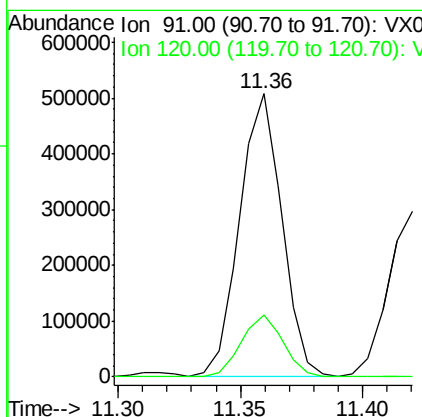
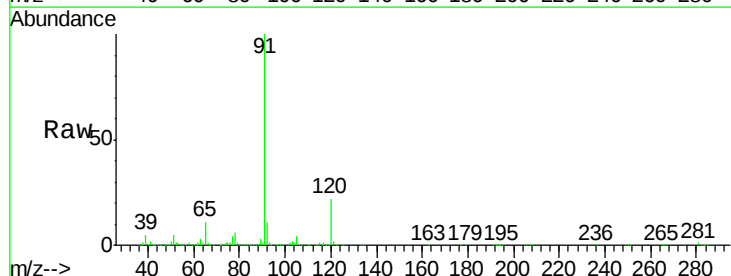
RT: 11.36 min Scan# 1674

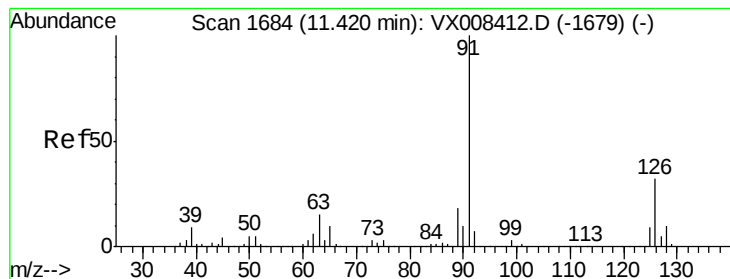
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 606714 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.8  | 10.8  | 32.4   |





#79

2-Chlorotoluene

Concen: 46.234 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 366643

Ion Ratio Lower Upper

91 100

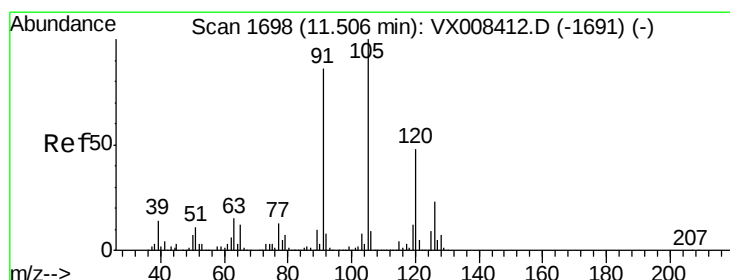
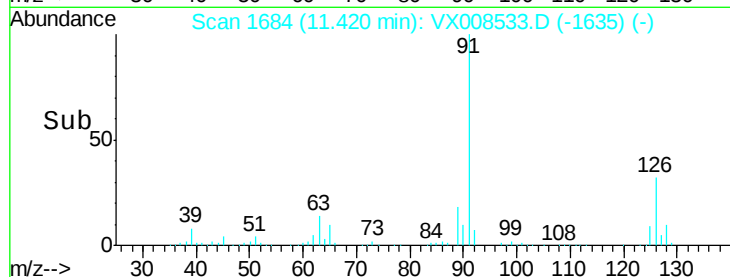
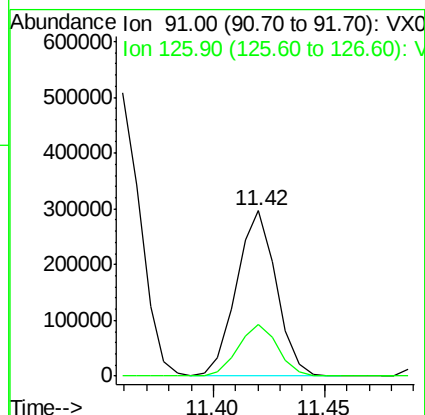
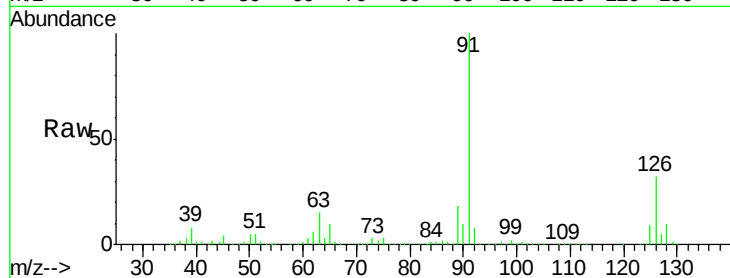
126 31.8 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 46.729 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008533.D

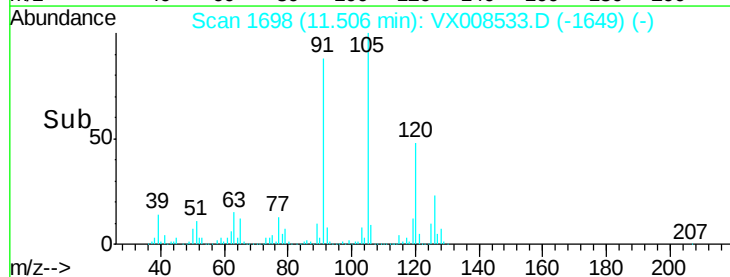
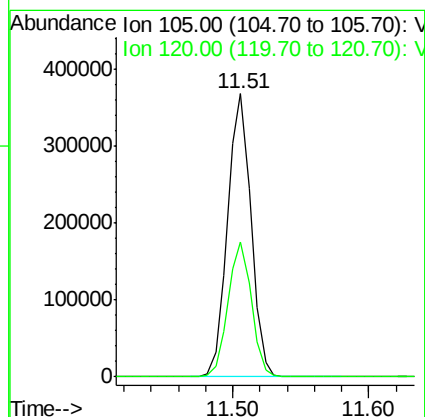
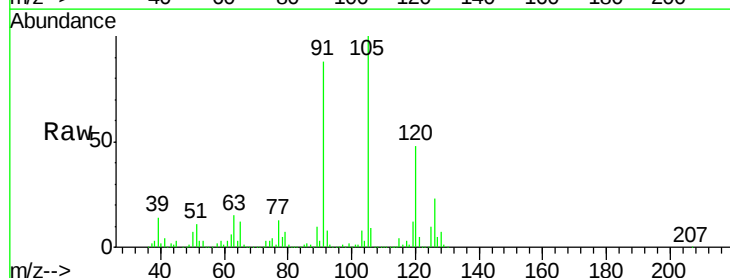
Acq: 28 Mar 2019 20:29

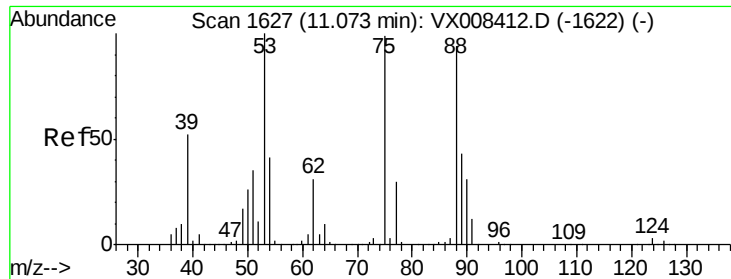
Tgt Ion: 105 Resp: 439703

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.058 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 62297

Ion Ratio Lower Upper

75 100

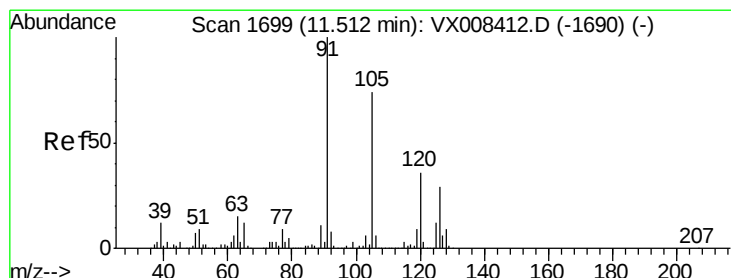
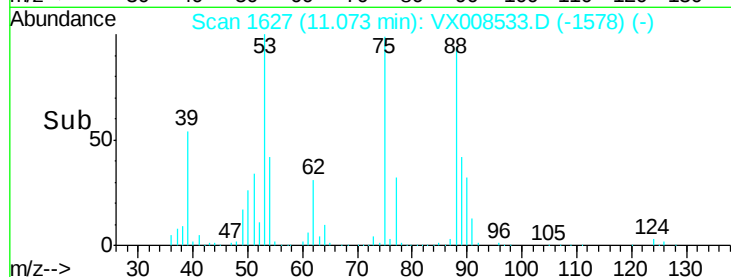
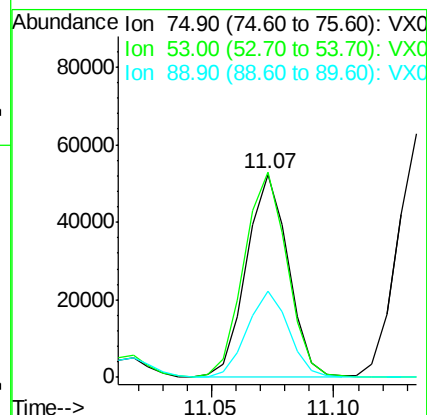
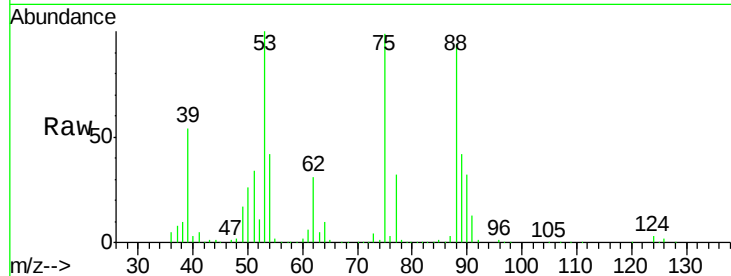
53 103.7 82.1 123.1

89 42.6 34.6 52.0

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#82

4-Chlorotoluene

Concen: 46.101 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008533.D

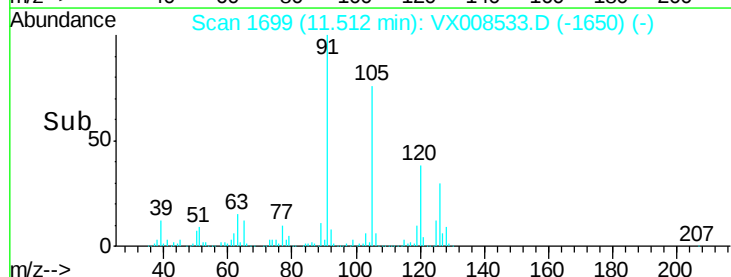
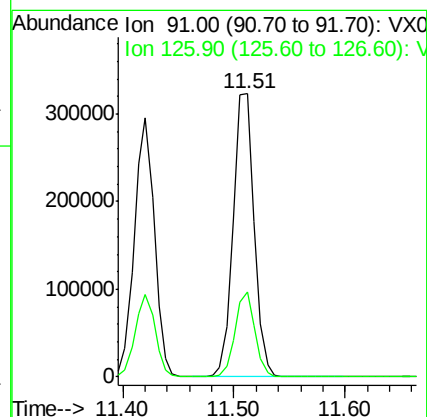
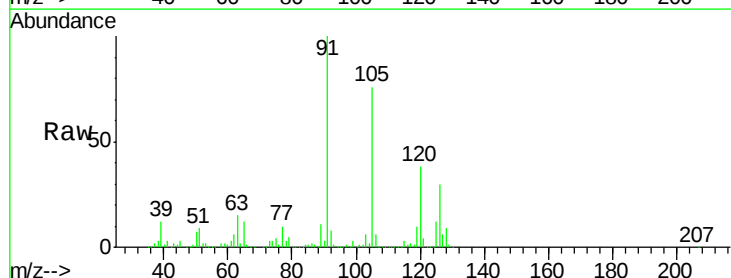
Acq: 28 Mar 2019 20:29

Tgt Ion: 91 Resp: 421706

Ion Ratio Lower Upper

91 100

126 28.2 13.9 41.7





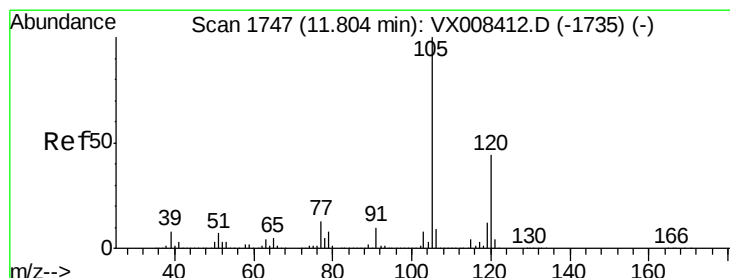
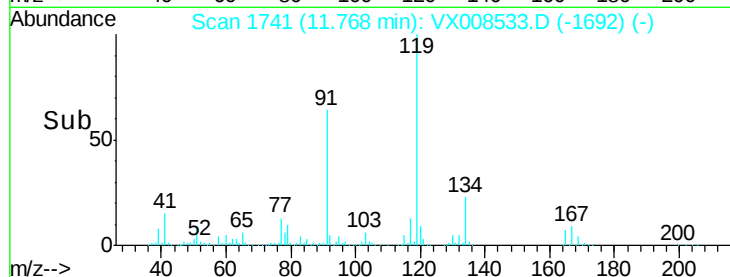
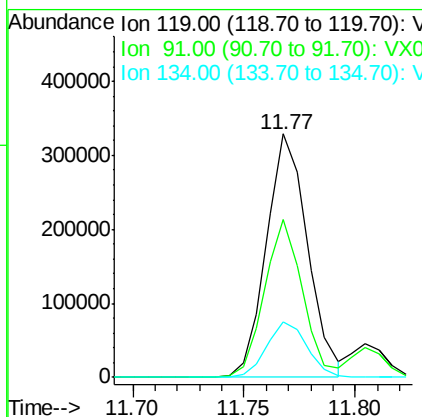
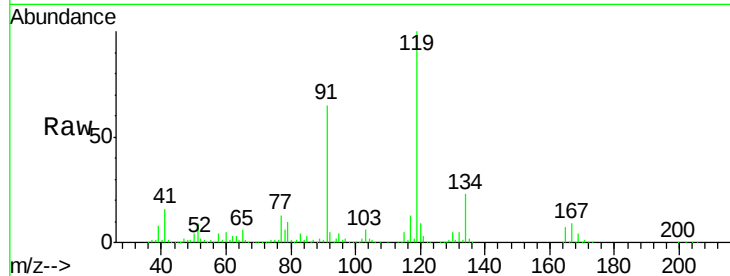
#83  
tert-Butylbenzene  
Concen: 46.521 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 422330 |       |       |
| 91      | 60.3  | 30.1   | 90.3  |       |
| 134     | 22.5  | 10.9   | 32.9  |       |

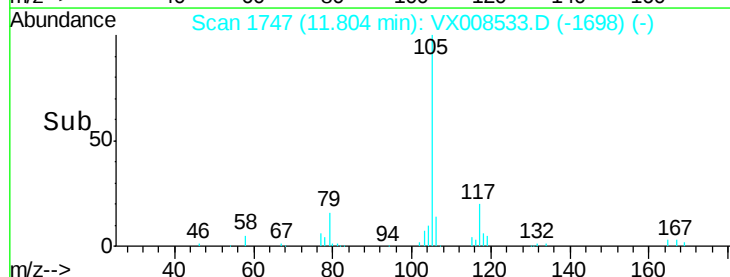
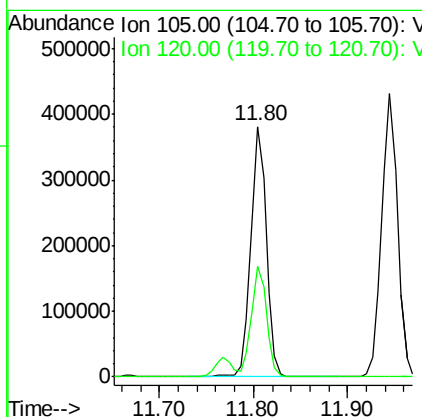
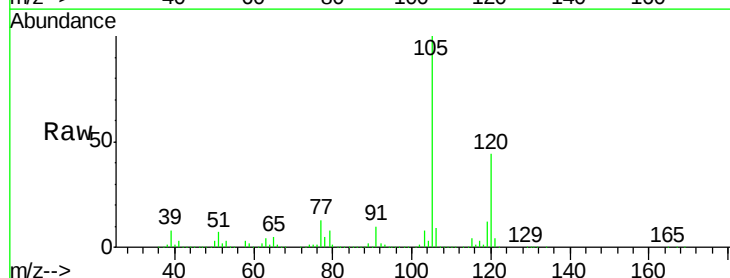
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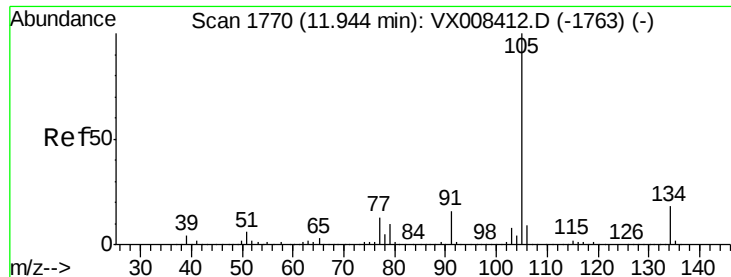
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 46.639 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 443875 |       |       |
| 120     | 43.2  | 21.6   | 65.0  |       |





#85

sec-Butylbenzene

Concen: 46.942 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 507497

Ion Ratio Lower Upper

105 100

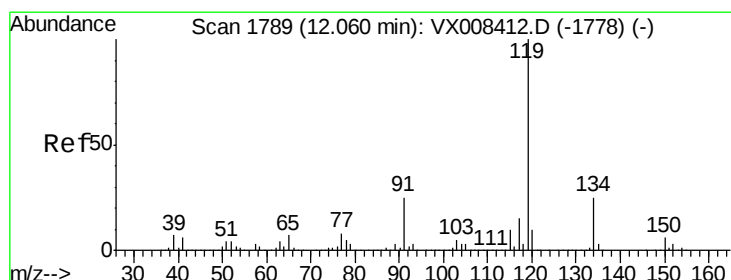
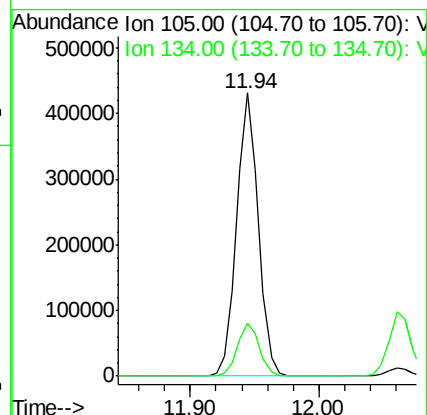
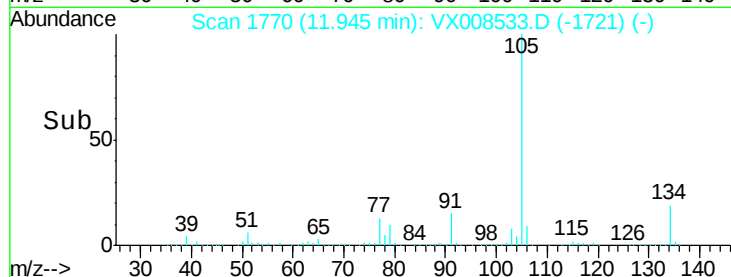
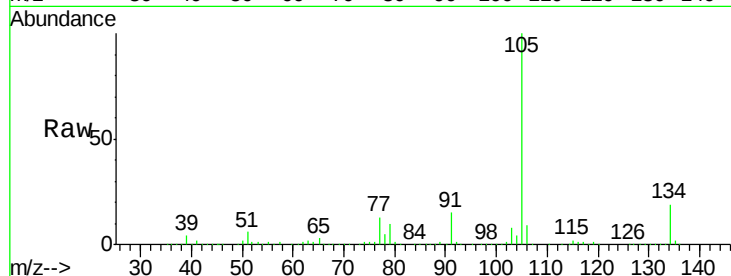
134 19.0 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 47.223 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

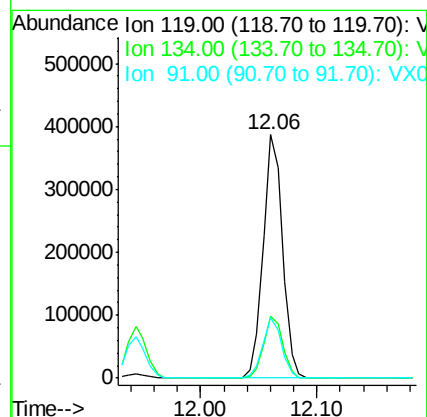
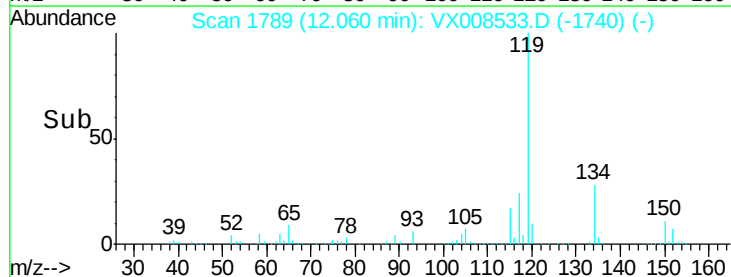
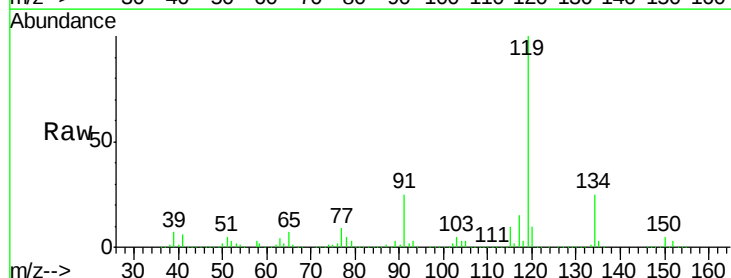
Tgt Ion:119 Resp: 450483

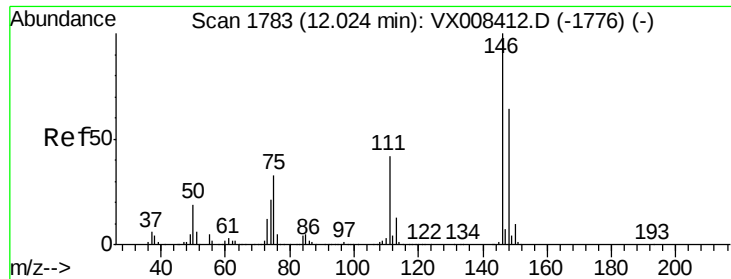
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 45.930 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

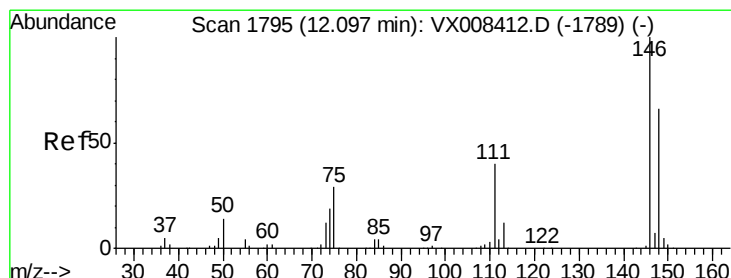
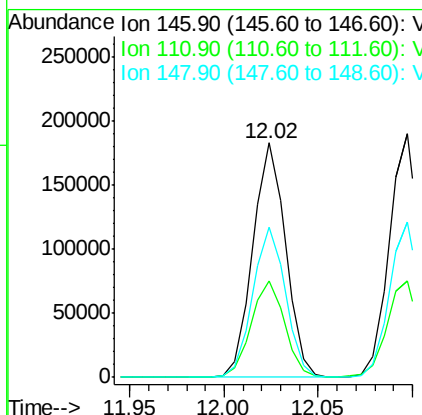
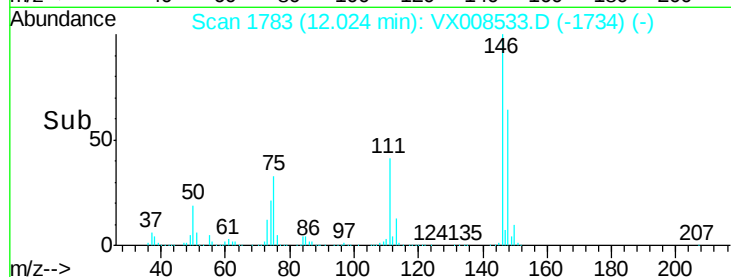
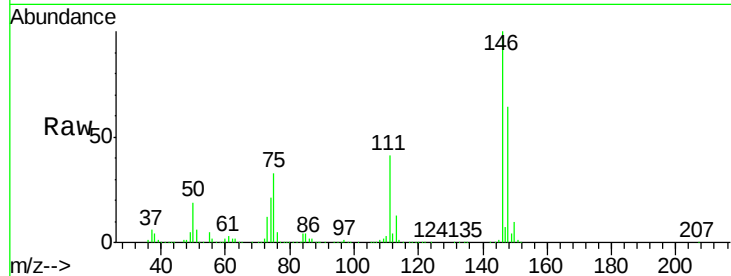
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 221674 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.6  | 20.8  | 62.5   |
| 148       | 64.0  | 32.0  | 96.0   |

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#88

1,4-Dichlorobenzene

Concen: 45.803 ug/l

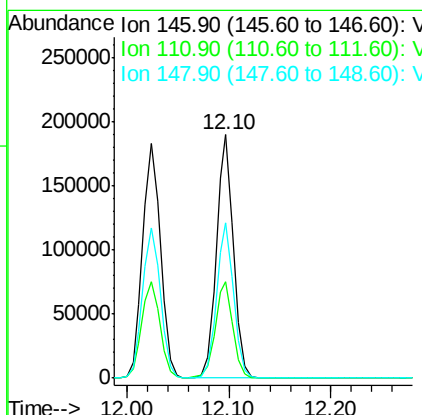
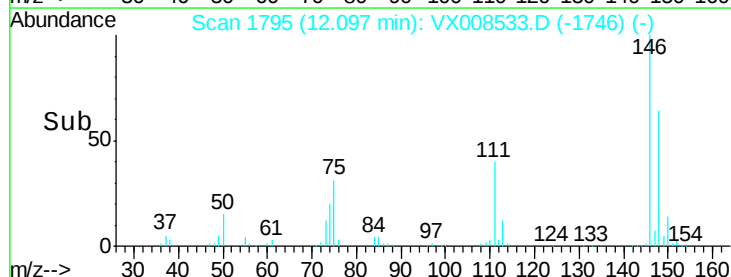
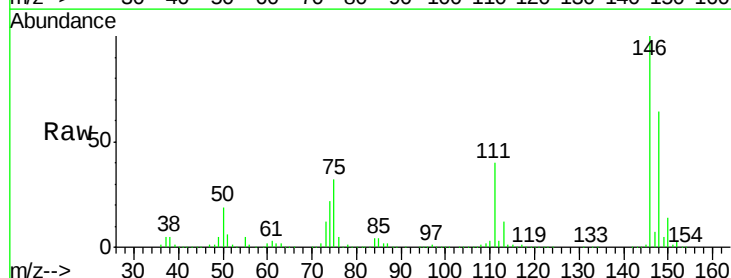
RT: 12.10 min Scan# 1795

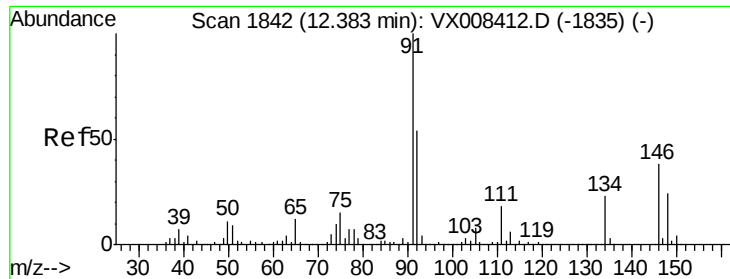
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 223101 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.0  | 20.3  | 61.0   |
| 148       | 63.9  | 32.1  | 96.5   |





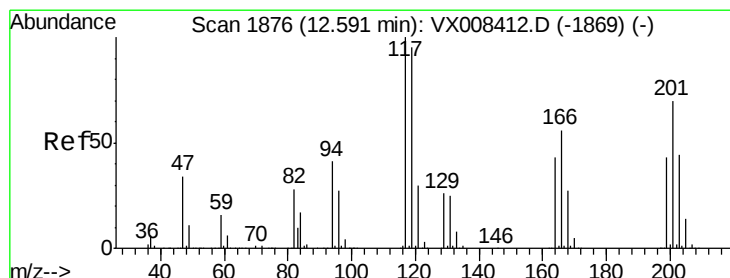
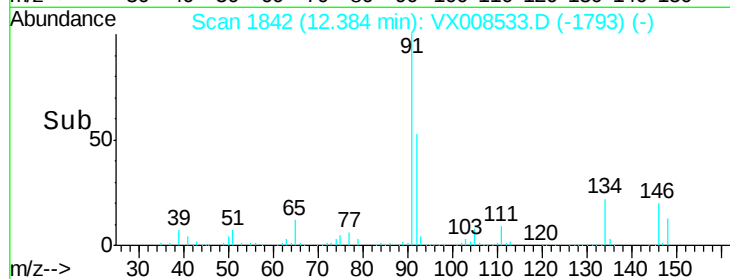
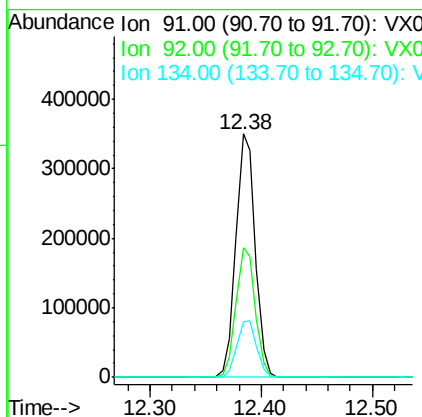
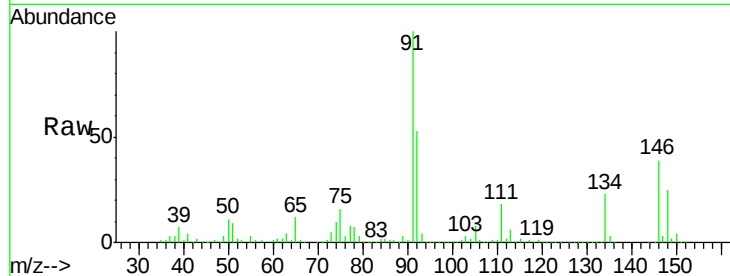
#89  
n-Butylbenzene  
Concen: 46.324 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.1  | 26.5  | 79.5  |
| 134     | 23.8  | 11.8  | 35.4  |

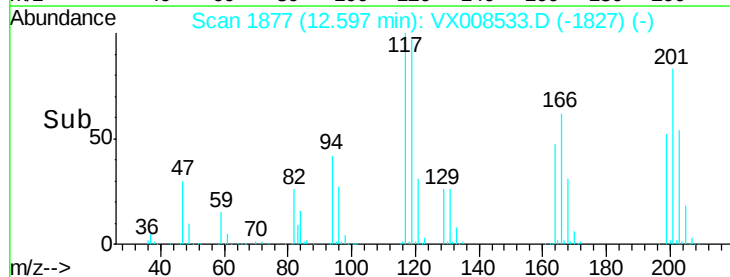
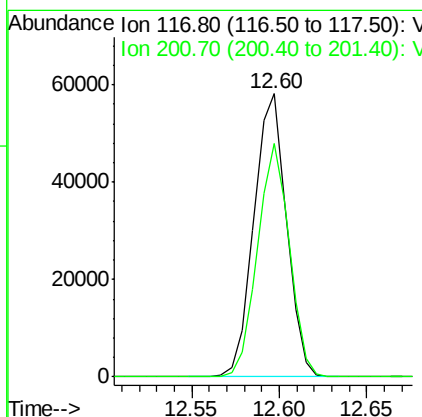
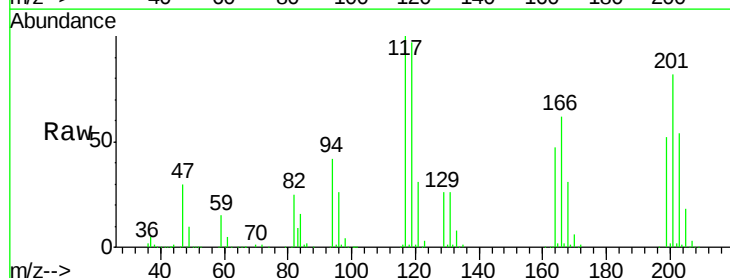
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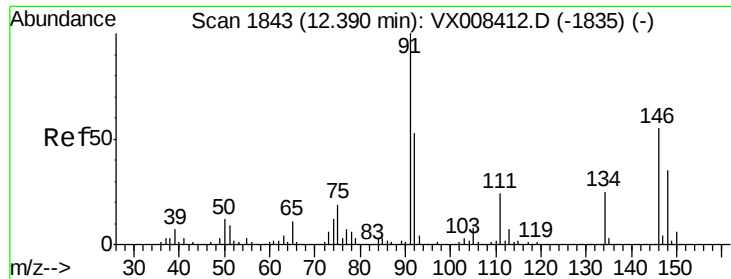
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#90  
Hexachloroethane  
Concen: 47.537 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.01 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.2  | 39.4  | 118.1 |





#91

1,2-Dichlorobenzene

Concen: 47.091 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

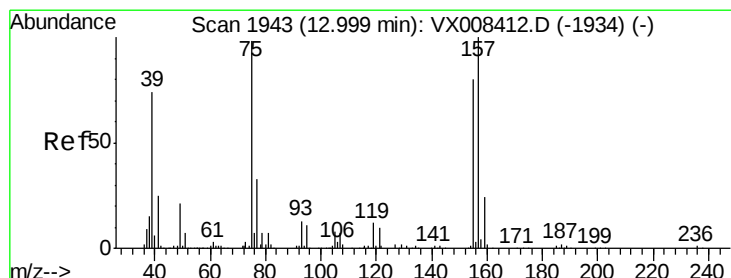
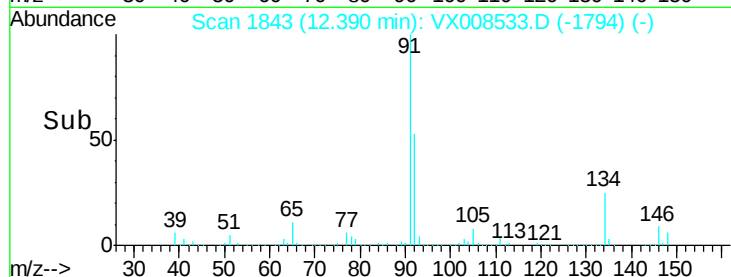
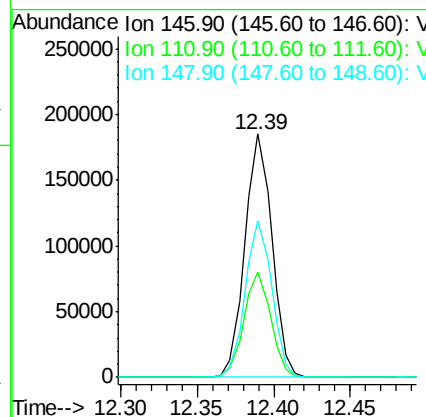
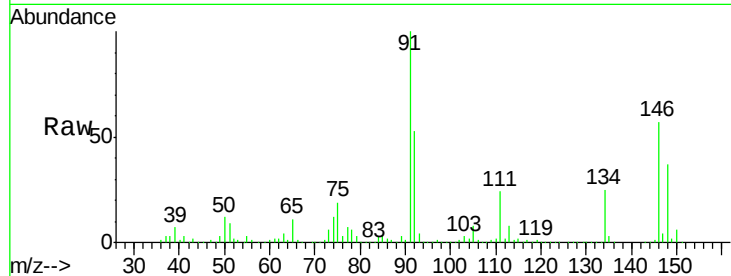
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 227599 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.9  | 21.6  | 64.6   |
| 148       | 63.6  | 31.9  | 95.7   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.158 ug/l

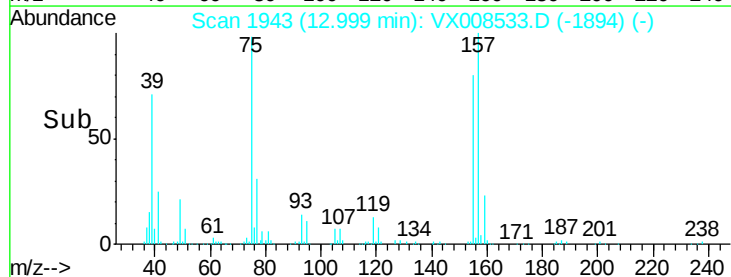
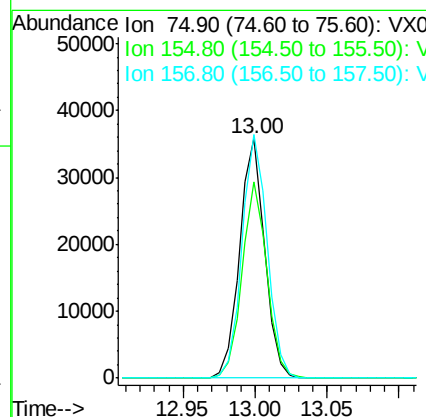
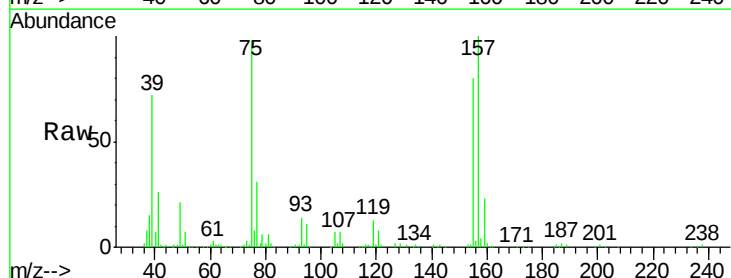
RT: 13.00 min Scan# 1943

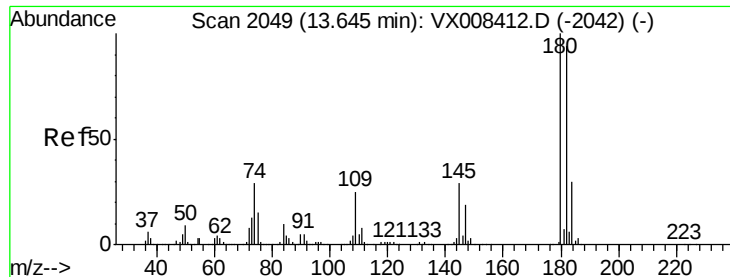
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 43462 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 80.6  | 39.5  | 118.5 |
| 157       | 101.6 | 49.9  | 149.7 |





#93

1,2,4-Trichlorobenzene

Concen: 46.616 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

Instrument :

MSVOA\_X

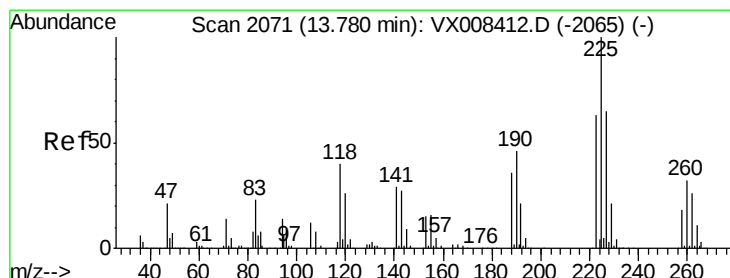
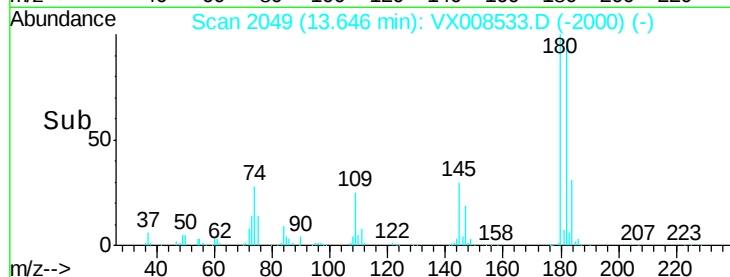
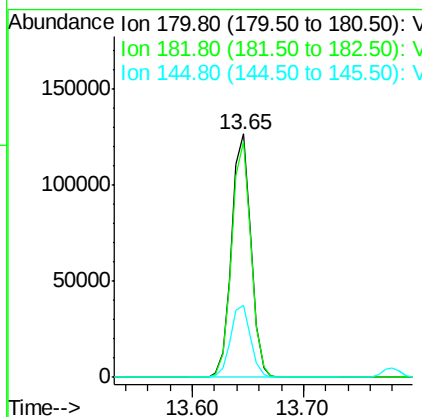
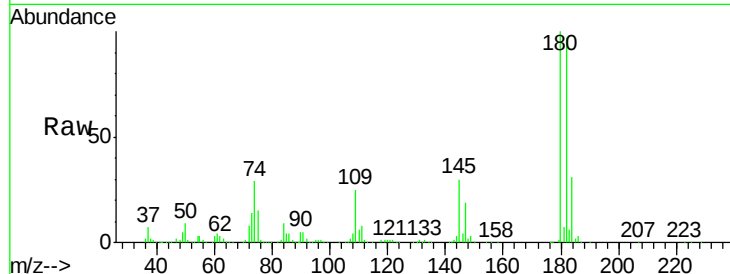
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 151689 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.4  | 47.3  | 142.0  |
| 145       | 30.5  | 15.3  | 45.8   |

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#94

Hexachlorobutadiene

Concen: 46.427 ug/l

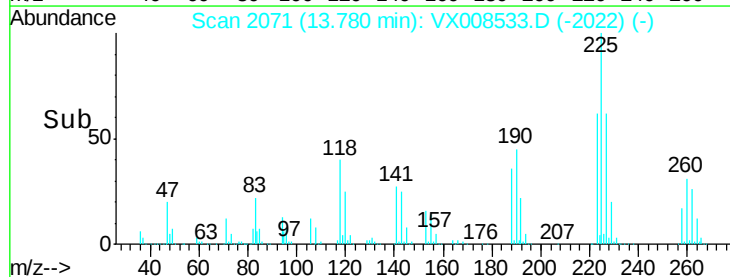
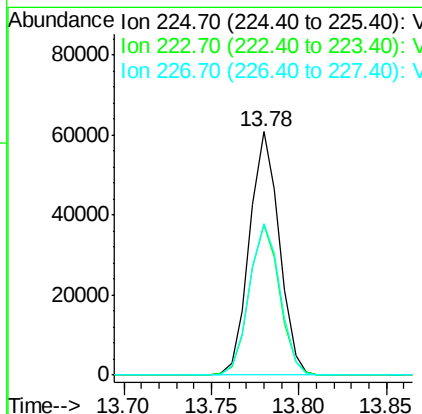
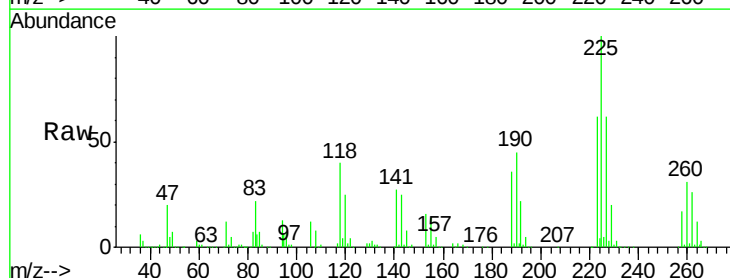
RT: 13.78 min Scan# 2071

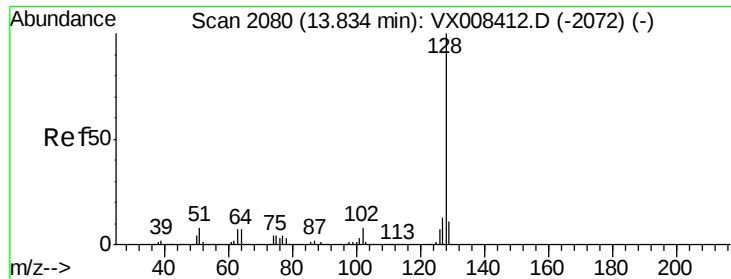
Delta R.T. 0.00 min

Lab File: VX008533.D

Acq: 28 Mar 2019 20:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 71734 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.9  | 31.4  | 94.0  |
| 227       | 64.2  | 31.9  | 95.9  |





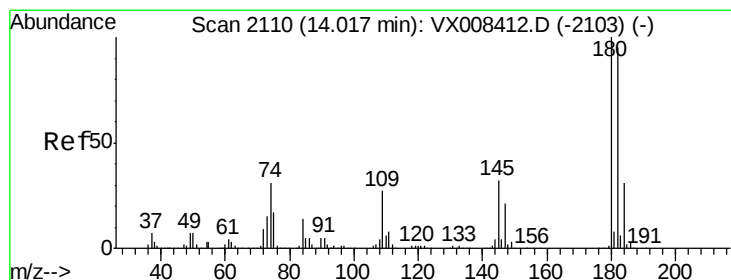
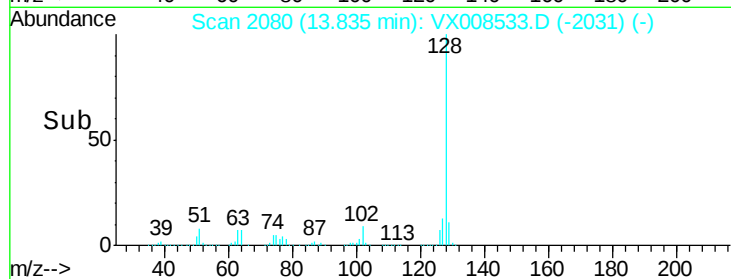
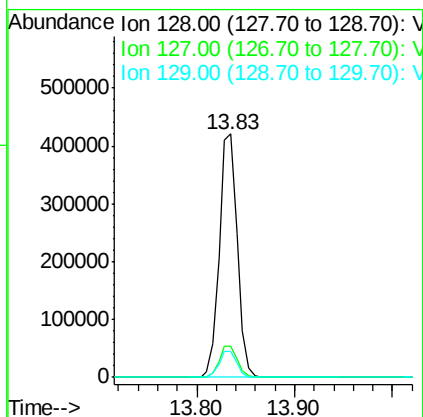
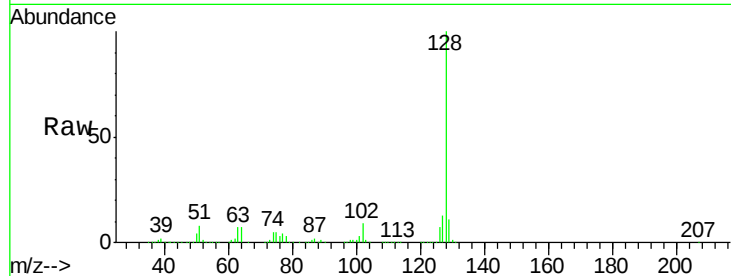
#95  
Naphthalene  
Concen: 47.780 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.4  | 15.6  |
| 129     | 10.7  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 46.906 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: VX008533.D  
Acq: 28 Mar 2019 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 47.3  | 142.0 |
| 145     | 32.0  | 16.2  | 48.5  |

