

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\  
 Data File : VX008464.D  
 Acq On : 26 Mar 2019 19:08  
 Operator : JC/SP  
 Sample : K2088-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-104MS

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 10:41:52 AM

Quant Time: Mar 27 03:25:34 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  | 191406   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 332070   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 294292   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 140189   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 140021   | 48.25 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.50% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 103815   | 47.95 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.90% |      |
| 50) Toluene-d8            | 8.71   | 98  | 413135   | 47.72 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.44% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 154299   | 48.09 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.18% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 102244  | 45.318  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50  | 122782  | 43.034  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 143940  | 45.693  | ug/l   | 99     |
| 5) Bromomethane               | 1.64 | 94  | 1227    | 2.523   | ug/l # | 77     |
| 6) Chloroethane               | 1.71 | 64  | 86506   | 46.355  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 165833  | 46.481  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.18 | 74  | 78569   | 46.533  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 101944  | 47.280  | ug/l   | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 459     | 4.330   | ug/l # | 91     |
| 11) Tert butyl alcohol        | 3.05 | 59  | 152955  | 237.911 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 103419  | 46.443  | ug/l   | 99     |
| 13) Acrolein                  | 2.29 | 56  | 12091   | 25.898  | ug/l   | 87     |
| 14) Allyl chloride            | 2.72 | 41  | 104779  | 21.358  | ug/l # | 88     |
| 15) Acrylonitrile             | 3.14 | 53  | 399295  | 236.855 | ug/l   | 100    |
| 16) Acetone                   | 2.44 | 43  | 385609  | 254.255 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 302903  | 47.391  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.77 | 43  | 237949  | 65.325  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 391446  | 48.782  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 125938  | 50.890  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 110521  | 49.809  | ug/l   | 99     |
| 22) Diisopropyl ether         | 3.85 | 45  | 464167  | 48.051  | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.81 | 43  | 1783060 | 211.572 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 232813  | 47.739  | ug/l   | 99     |
| 25) 2-Butanone                | 4.67 | 43  | 587298  | 241.546 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 134660  | 41.515  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 130006  | 47.744  | ug/l   | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 116470  | 48.340  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 5.12 | 42  | 381937  | 238.341 | ug/l   | 99     |
| 30) Chloroform                | 5.21 | 83  | 211429  | 48.039  | ug/l   | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 219733  | 47.242  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 169479  | 48.175  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 162185  | 45.807  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.83 | 43  | 213989  | 46.653  | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 140064  | 47.403  | ug/l   | 100    |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 MW-104MS

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 10:41:52 AM

Quant Time: Mar 27 03:25:34 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   | 194348   | 45.931  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 500733   | 47.240  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.04  | 41   | 124298   | 48.222  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 177391   | 45.709  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.45  | 43   | 348772   | 47.539  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 114737   | 46.102  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 143682   | 47.690  | ug/l   | 97       |
| 46) Dibromomethane             | 7.66  | 93   | 81654    | 46.412  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 162598   | 48.284  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 182619   | 49.747  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 64126    | 878.550 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1187416  | 249.186 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 304369   | 48.024  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 45027    | 12.207  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 3613     | 0.861   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 122586   | 47.515  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 222655   | 47.811  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 217723   | 47.069  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 575248   | 238.962 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 925820   | 250.742 | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 116421   | 47.450  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 123215   | 46.799  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 103644   | 52.021  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 300846   | 47.007  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 107774   | 48.810  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 578184   | 47.869  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 418518   | 95.245  | ug/l   | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 207513   | 48.664  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 359840   | 48.853  | ug/l   | 100      |
| 71) Bromoform                  | 10.85 | 173  | 84790    | 48.625  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 537478   | 47.126  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 306449   | 46.422  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 211808   | 47.865  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 163615m  | 39.258  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 127984   | 46.237  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 636698   | 47.656  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 380201   | 46.787  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 456340   | 47.328  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.02 | 75   | 6464     | 4.968   | ug/l # | 64       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 437045   | 46.625  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 423358   | 45.509  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 456811   | 46.840  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 518545   | 46.808  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 464494   | 47.517  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 231771   | 46.864  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 231329   | 46.347  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 432843   | 46.743  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 74825    | 45.947  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 237209   | 47.895  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 46839    | 48.544  | ug/l   | 99       |

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Sample : K2088-02MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

Manual Integrations  
APPROVED

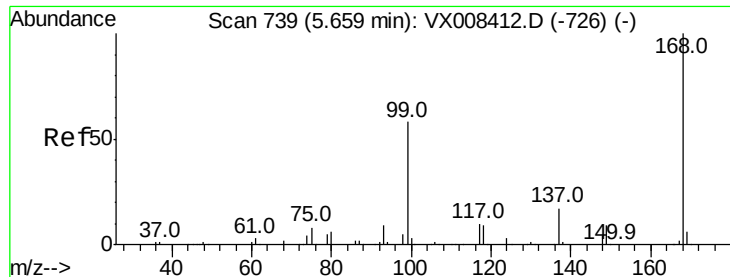
MMDadoda  
3/27/2019 10:41:52 AM

Quant Time: Mar 27 03:25:34 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  | 158015   | 47.389 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 72366    | 45.706 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 545247   | 47.696 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 158398   | 47.274 | 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: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion:168 Resp: 191406

Ion Ratio Lower Upper

168 100

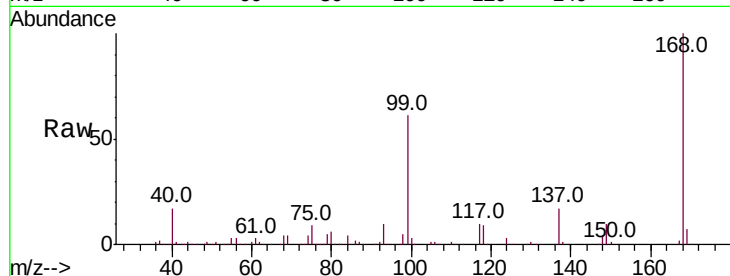
99 60.6 46.0 69.0

Manual Integrations

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3/27/2019 10:41:52 AM

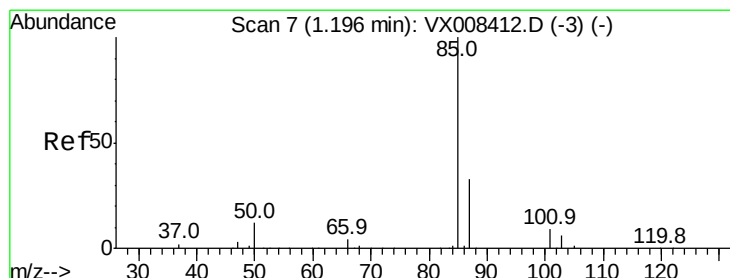
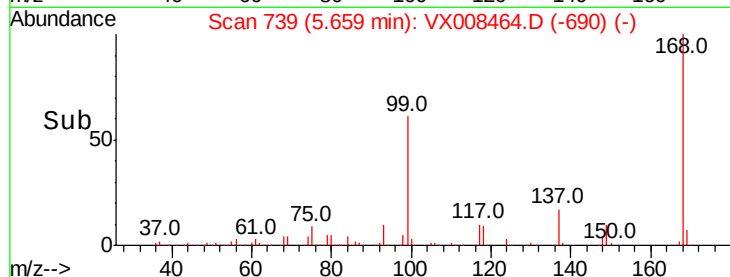


Abundance Ion 167.90 (167.60 to 168.60): VX008412.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX008412.D (-726) (-)

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 45.318 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008464.D

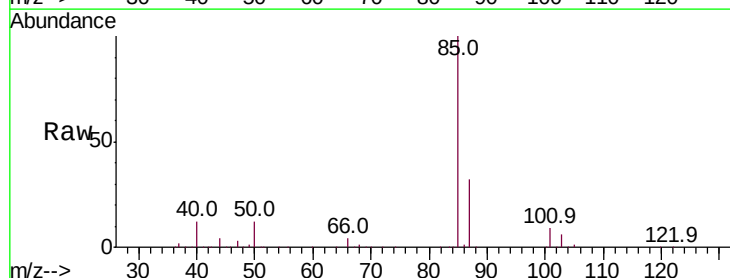
Acq: 26 Mar 2019 19:08

Tgt Ion: 85 Resp: 102244

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1

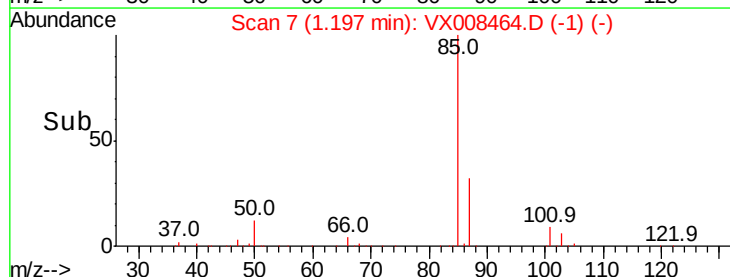


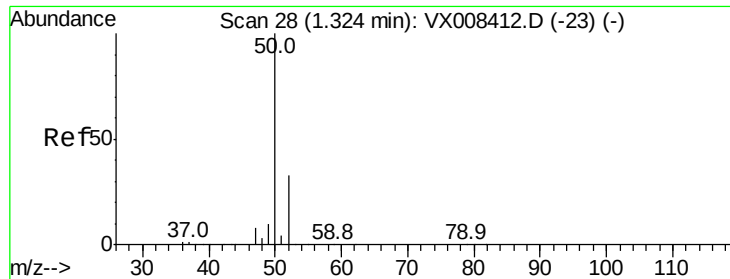
Abundance Ion 84.90 (84.60 to 85.60): VX008412.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX008412.D (-3) (-)

1.20

Time-->





#3

Chloromethane

Concen: 43.034 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampled :

MW-104MS

Tot Ion: 50 Resp: 122782

Ion Ratio Lower Upper

50 100

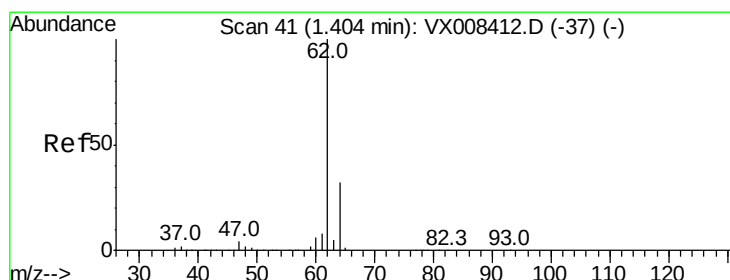
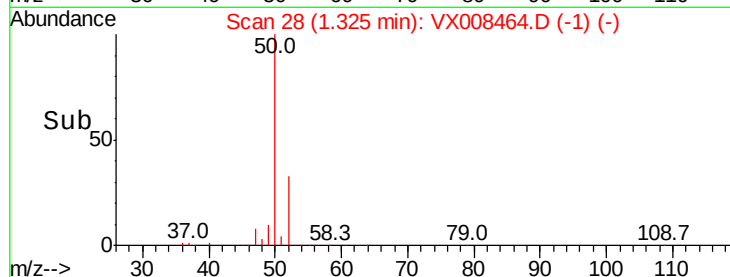
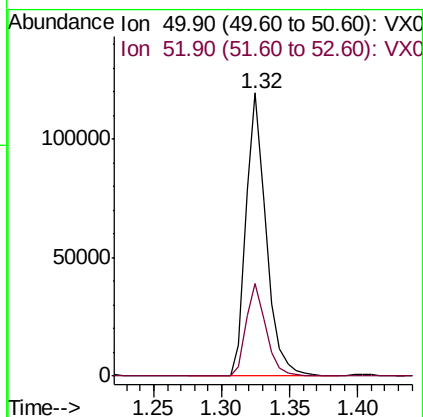
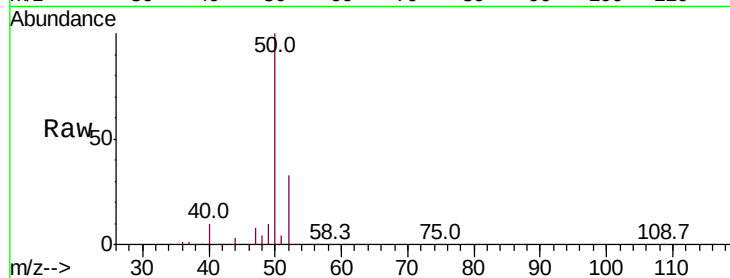
52 32.8 26.2 39.2

Manual Integrations

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MMDadoda

3/27/2019 10:41:52 AM



#4

Vinyl Chloride

Concen: 45.693 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008464.D

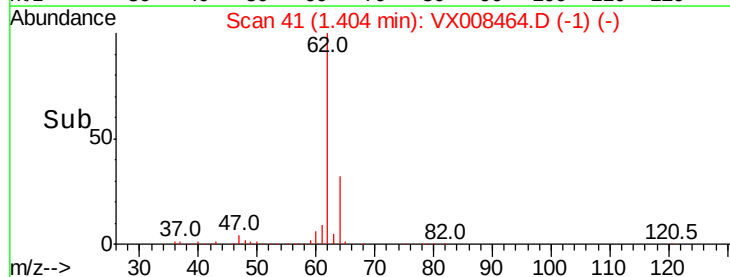
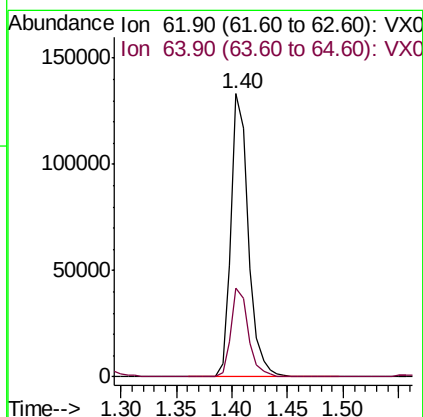
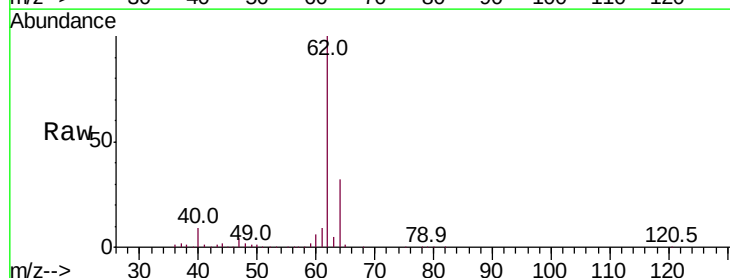
Acq: 26 Mar 2019 19:08

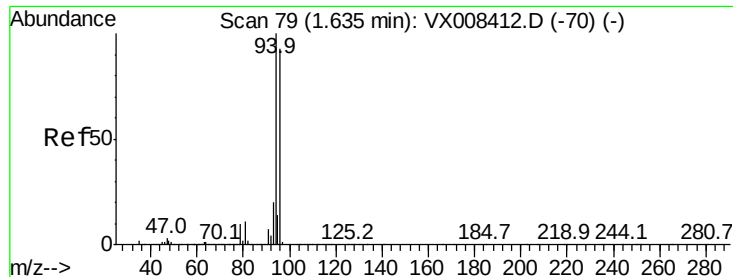
Tgt Ion: 62 Resp: 143940

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 2.523 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 94 Resp: 1227

Ion Ratio Lower Upper

94 100

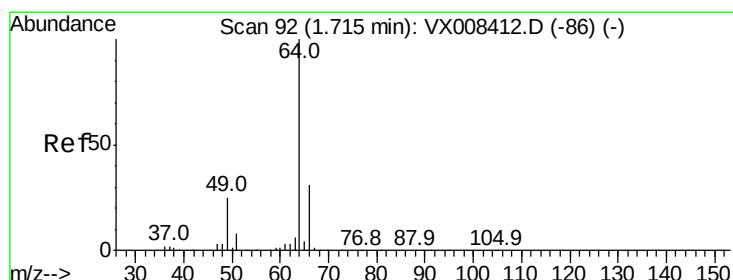
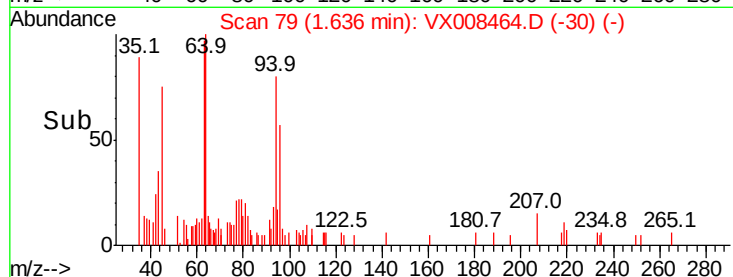
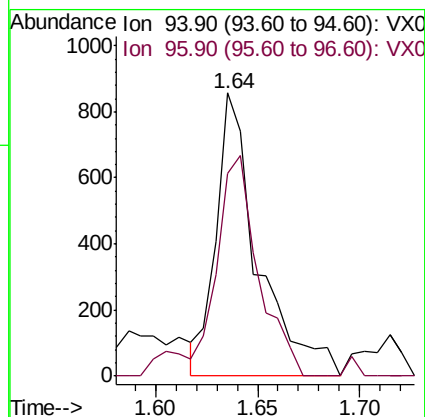
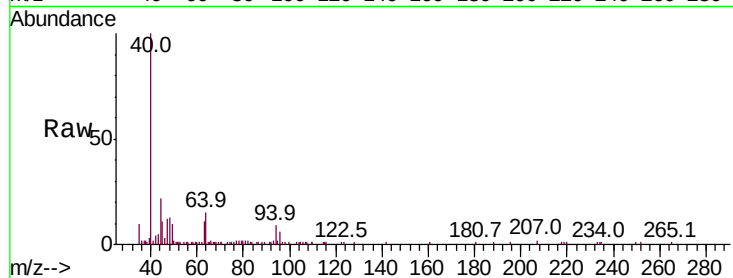
96 71.8 74.8 112.2#

Manual Integrations

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3/27/2019 10:41:52 AM



#6

Chloroethane

Concen: 46.355 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008464.D

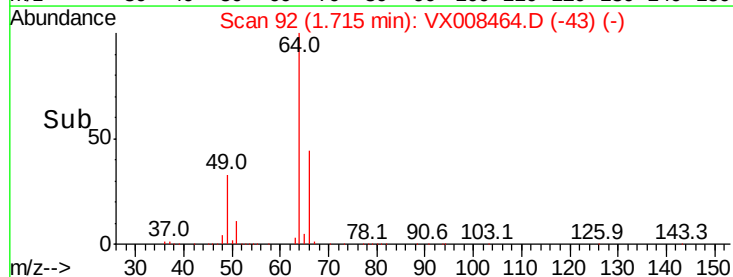
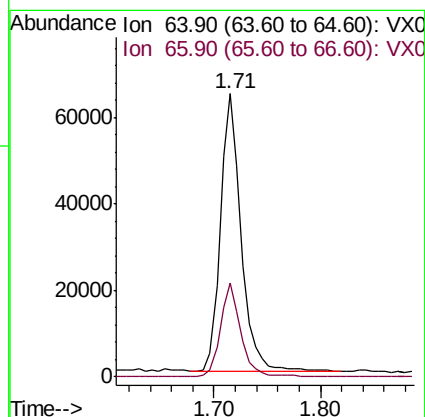
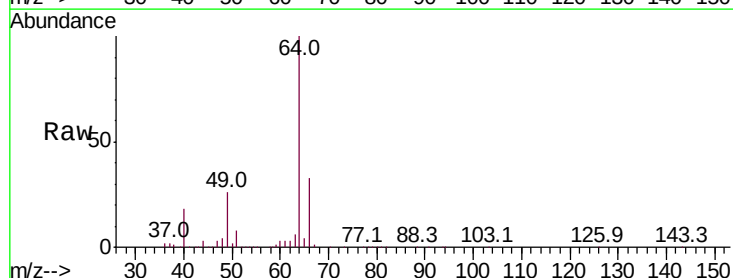
Acq: 26 Mar 2019 19:08

Tgt Ion: 64 Resp: 86506

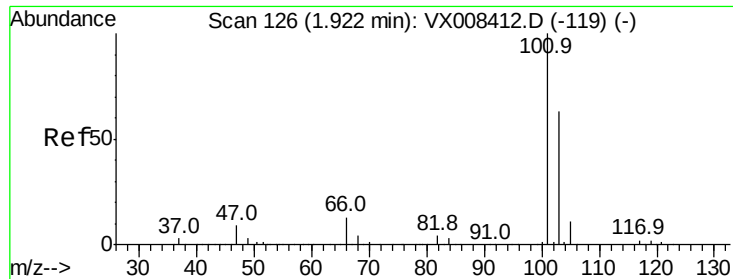
Ion Ratio Lower Upper

64 100

66 33.6 25.1 37.7







#7

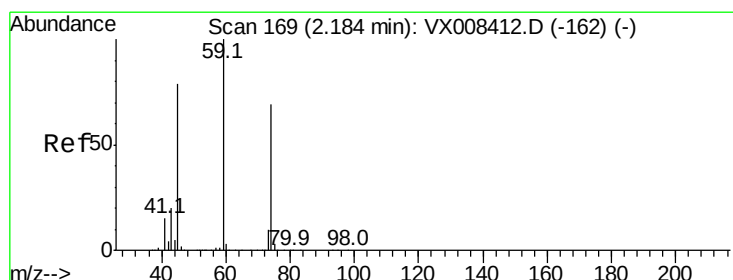
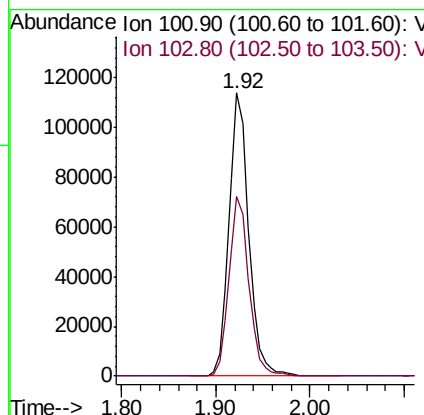
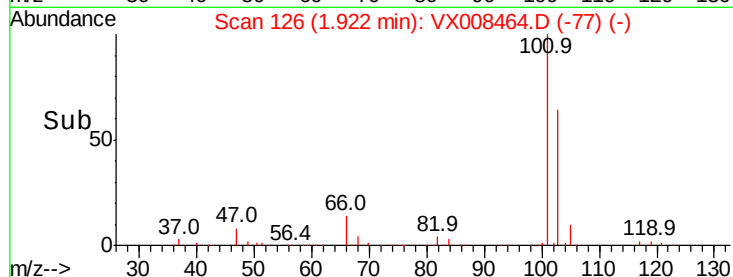
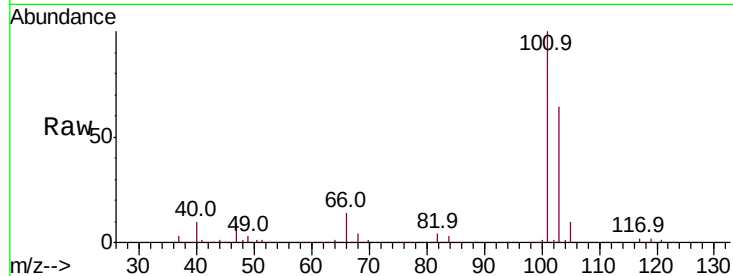
Trichlorofluoromethane  
Concen: 46.481 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

Tot Ion:101 Resp: 165833  
Ion Ratio Lower Upper  
101 100  
103 63.7 50.2 75.4

Manual Integrations  
APPROVED

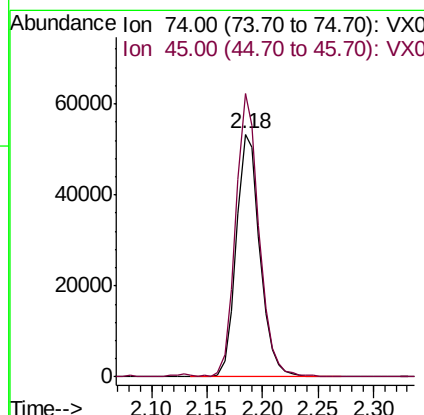
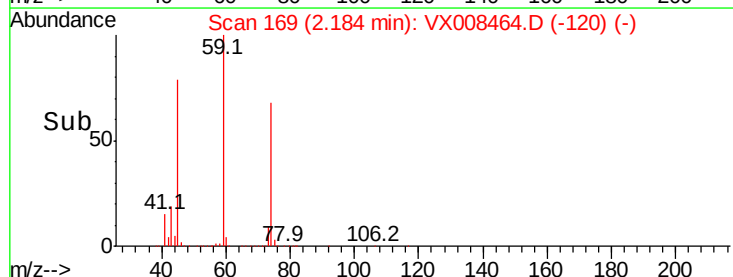
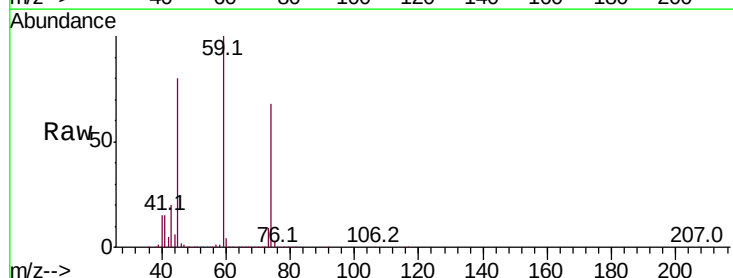
MMDadoda  
3/27/2019 10:41:52 AM



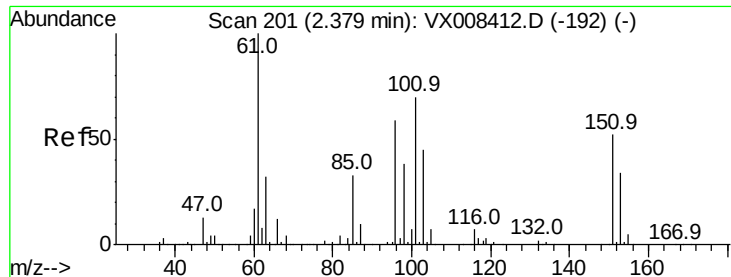
#8

Diethyl Ether  
Concen: 46.533 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion: 74 Resp: 78569  
Ion Ratio Lower Upper  
74 100  
45 114.1 56.4 169.2







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.280 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

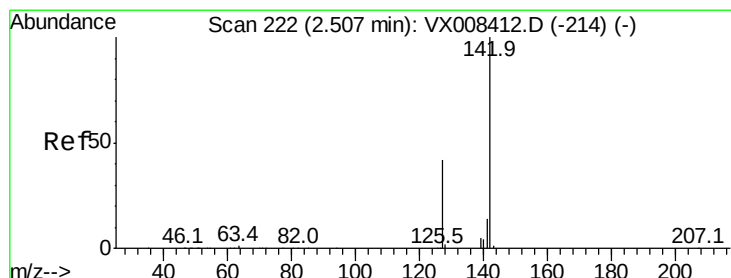
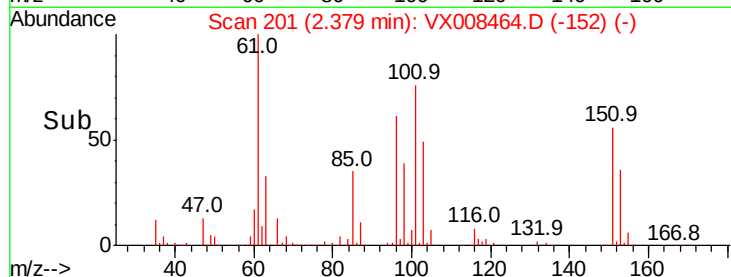
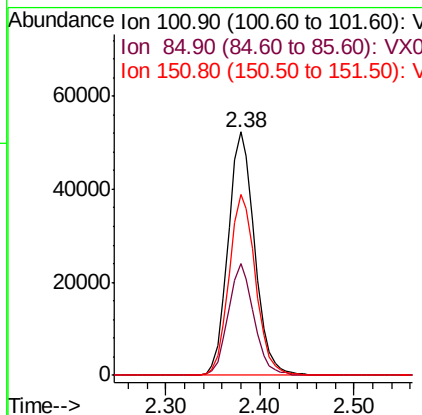
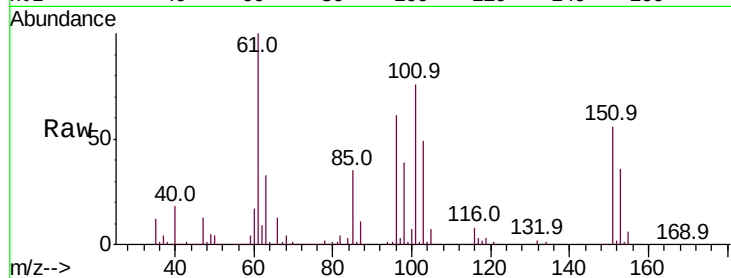
ClientSampleId :

MW-104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 101944 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.5  | 36.0  | 54.0   |
| 151       | 74.7  | 59.2  | 88.8   |

Manual Integrations  
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3/27/2019 10:41:52 AM



#10

Methyl Iodide

Concen: 4.330 ug/l

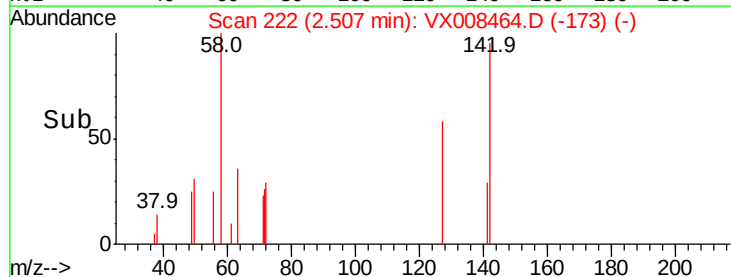
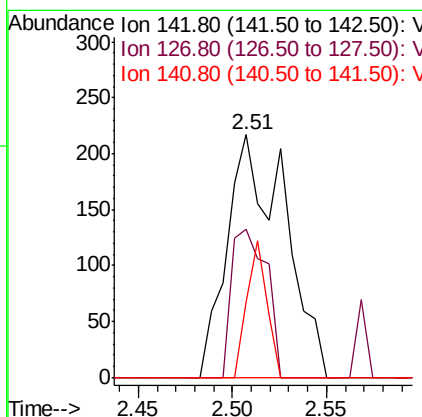
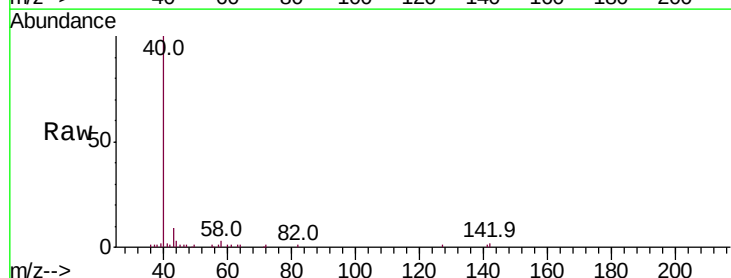
RT: 2.51 min Scan# 222

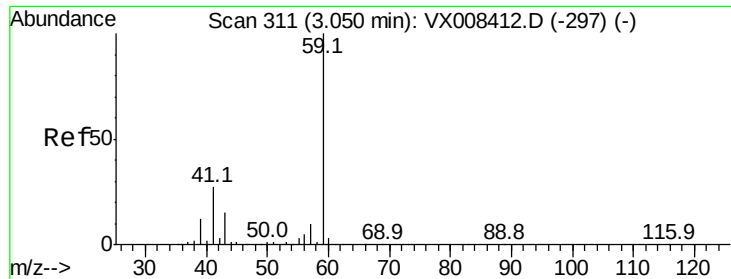
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 459   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.0  | 33.6  | 50.4  |
| 141       | 19.6  | 11.3  | 16.9# |





#11

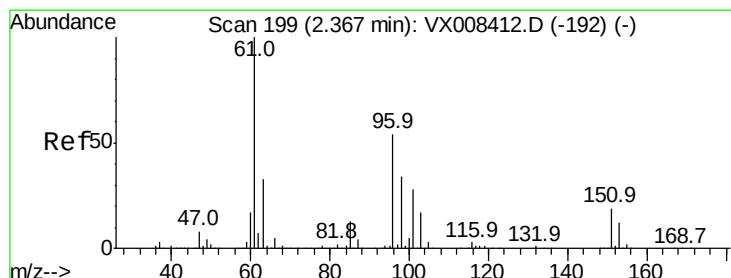
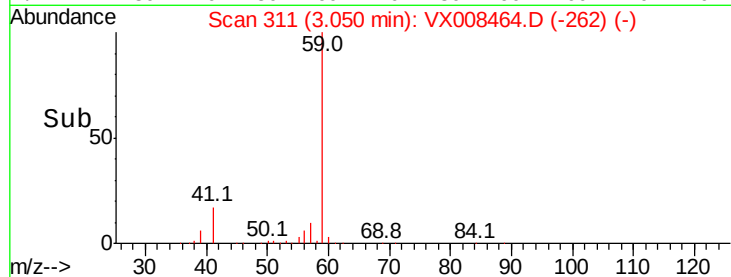
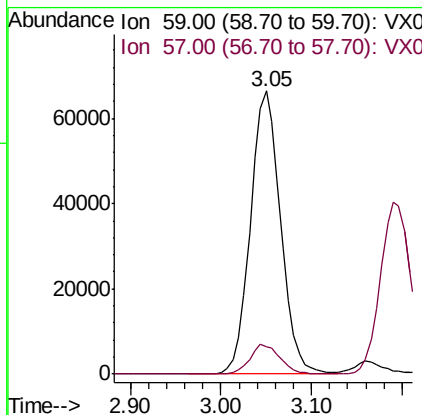
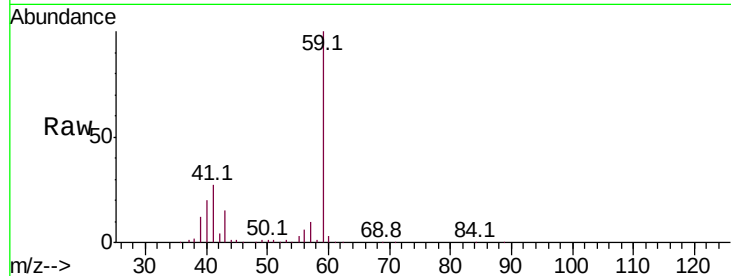
Tert butyl alcohol  
Concen: 237.911 ug/l  
RT: 3.05 min Scan# 311  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion   | 59   | Resp  | 152955 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.6 | 8.2   | 12.4   |

Manual Integrations  
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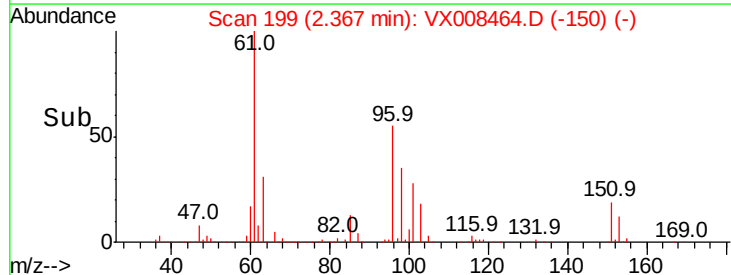
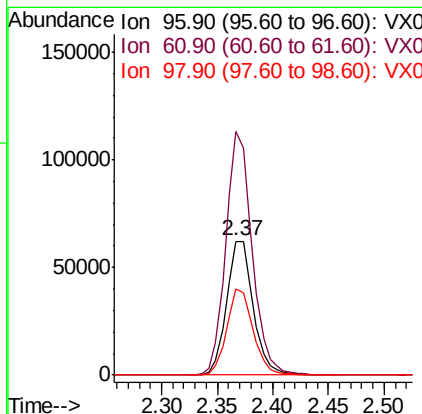
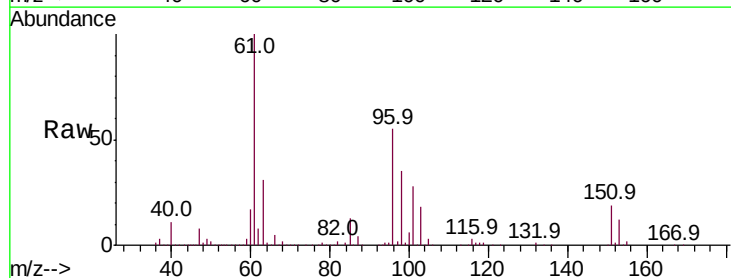
MMDadoda  
3/27/2019 10:41:52 AM

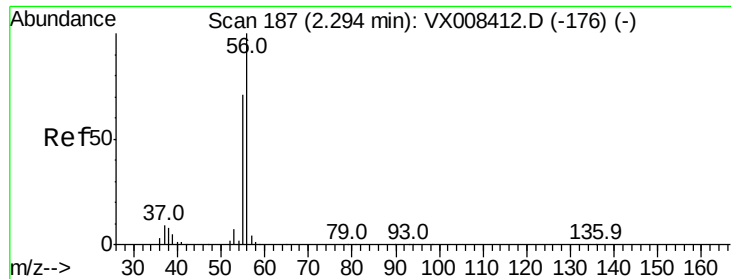


#12

1,1-Dichloroethene  
Concen: 46.443 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion   | 96    | Resp  | 103419 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 181.9 | 146.9 | 220.3  |
| 98        | 64.2  | 50.1  | 75.1   |





#13

Acrolein

Concen: 25.898 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 56 Resp: 12091

Ion Ratio Lower Upper

56 100

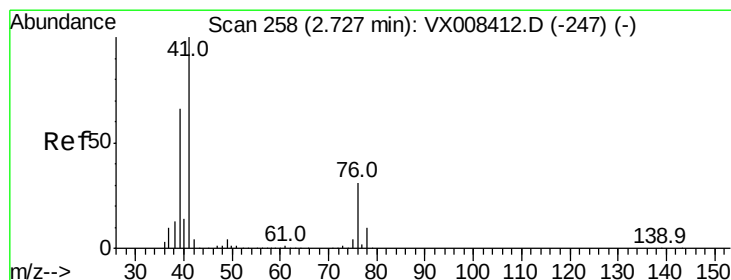
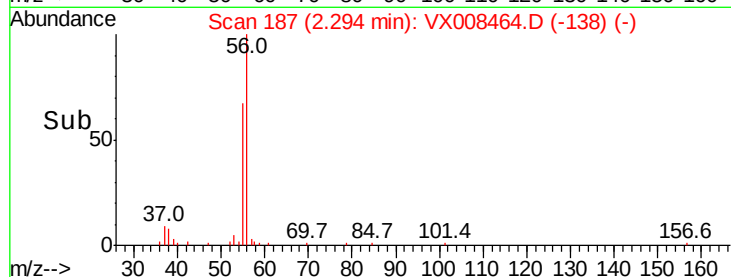
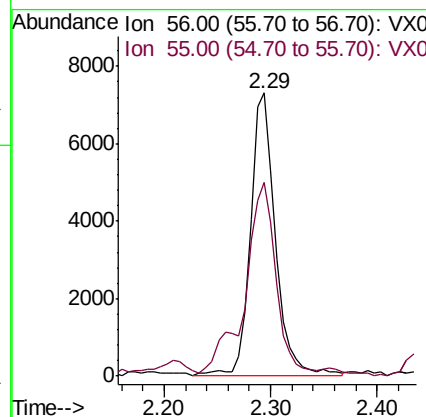
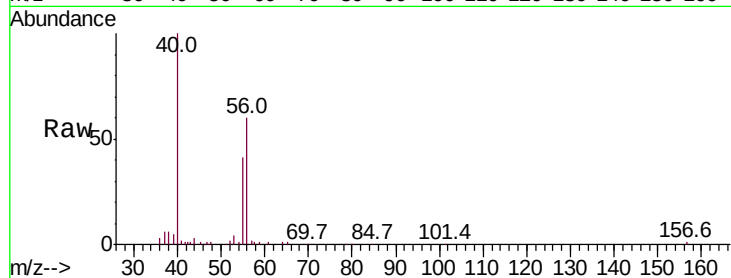
55 81.6 56.5 84.7

Manual Integrations

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MMDadoda

3/27/2019 10:41:52 AM



#14

Allyl chloride

Concen: 21.358 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

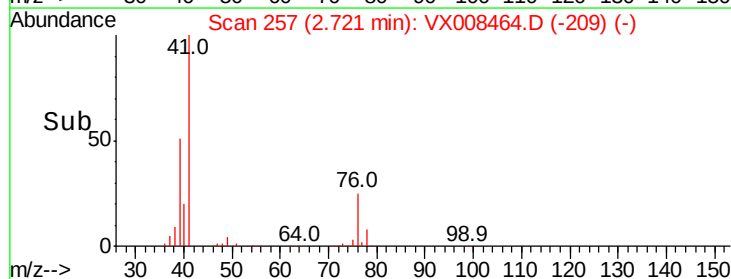
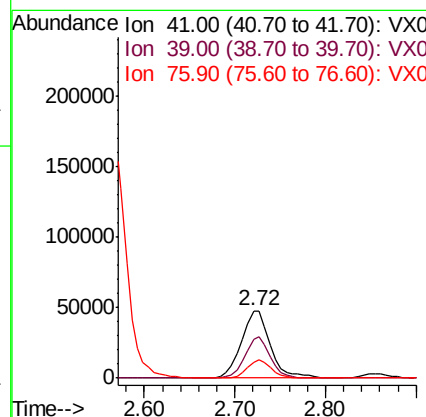
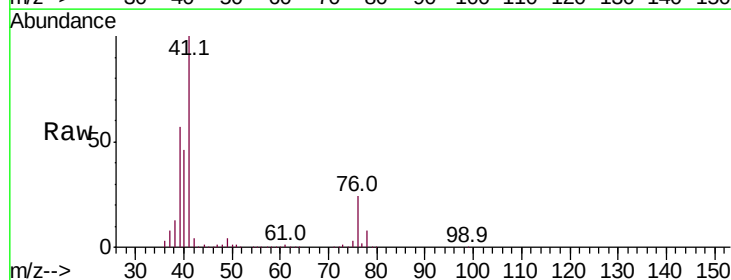
Tgt Ion: 41 Resp: 104779

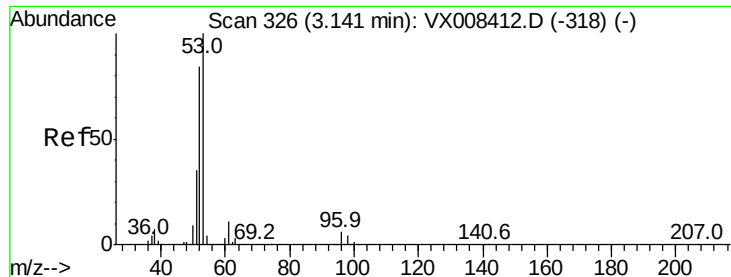
Ion Ratio Lower Upper

41 100

39 53.0 49.6 74.4

76 22.5 22.6 34.0#





#15

Acrylonitrile

Concen: 236.855 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

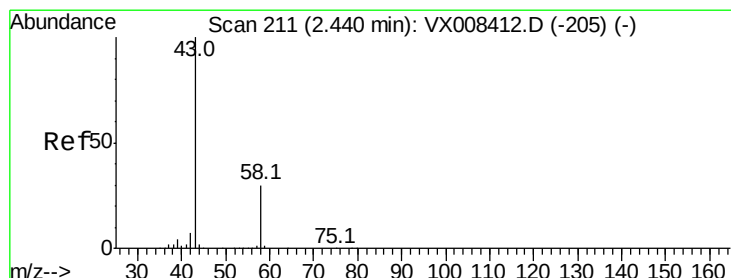
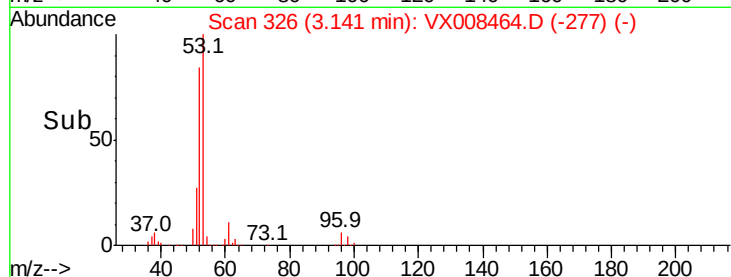
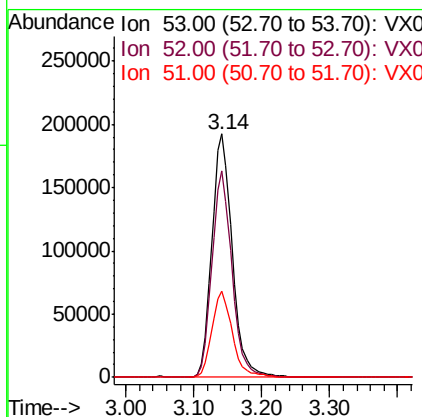
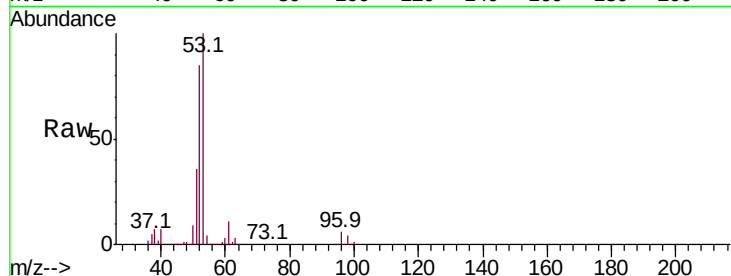
ClientSampled :

MW-104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 399295 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.1  | 66.5  | 99.7   |
| 51        | 35.6  | 28.3  | 42.5   |

Manual Integrations  
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3/27/2019 10:41:52 AM



#16

Acetone

Concen: 254.255 ug/l

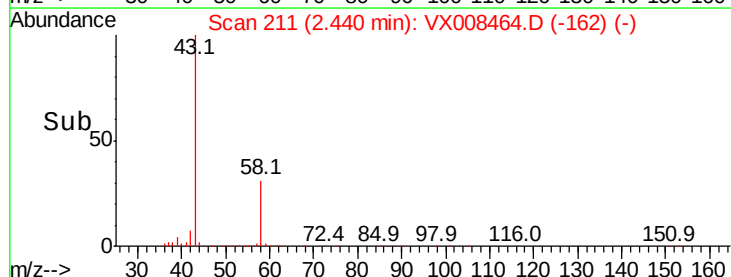
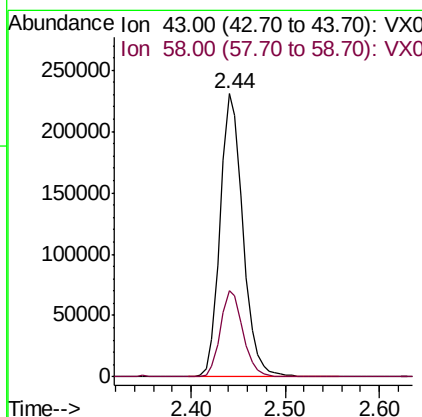
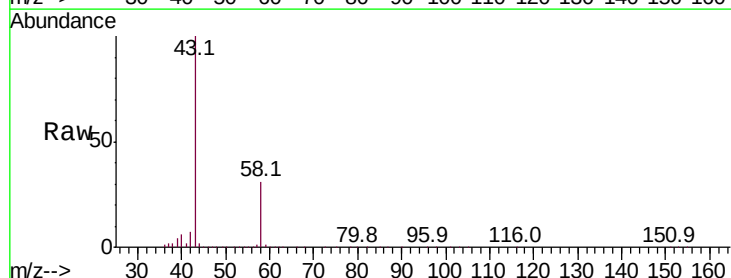
RT: 2.44 min Scan# 211

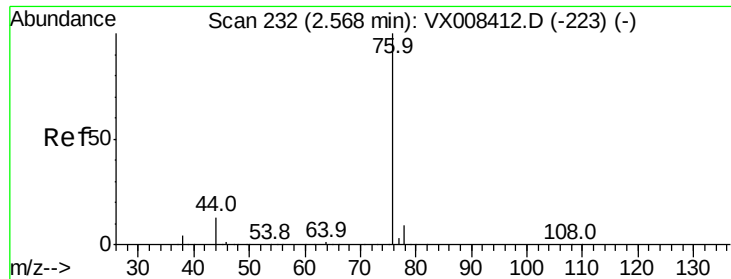
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 385609 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 30.6  | 24.2  | 36.2   |





#17

Carbon Disulfide

Concen: 47.391 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 76 Resp: 302903

Ion Ratio Lower Upper

76 100

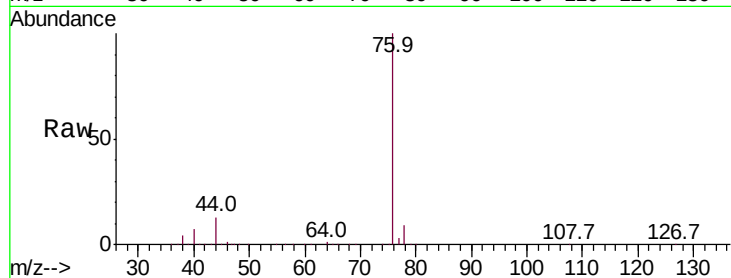
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

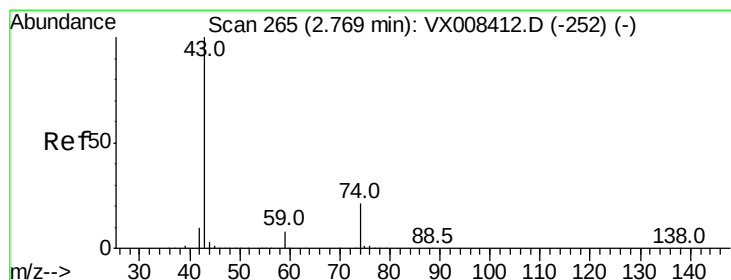
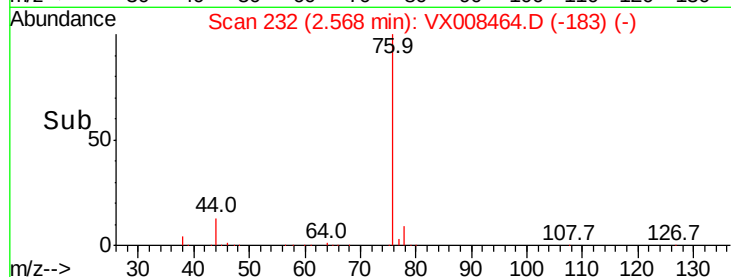
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 65.325 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008464.D

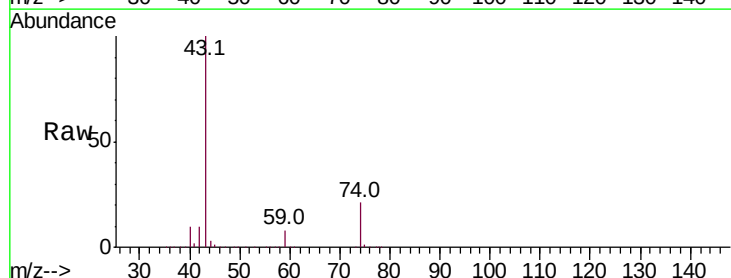
Acq: 26 Mar 2019 19:08

Tgt Ion: 43 Resp: 237949

Ion Ratio Lower Upper

43 100

74 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

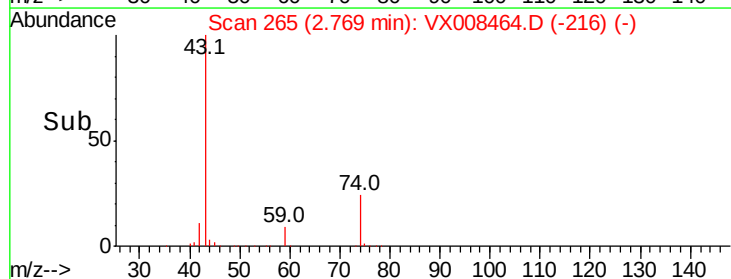
100000

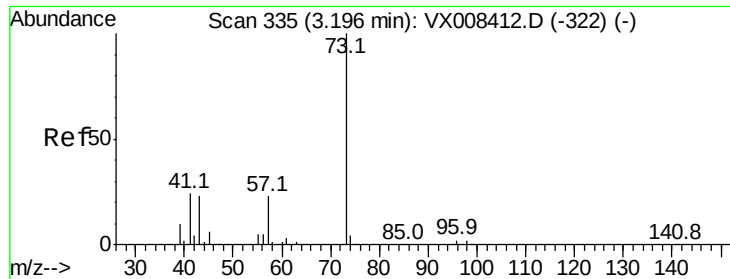
50000

0

2.70 2.80 2.90

Time-->





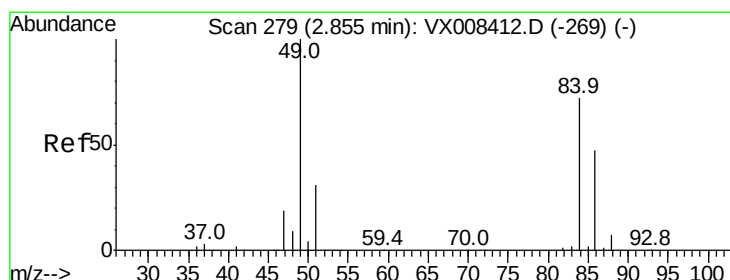
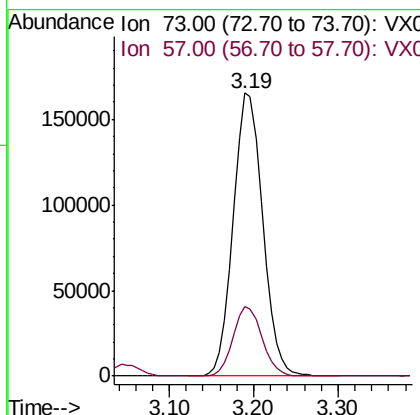
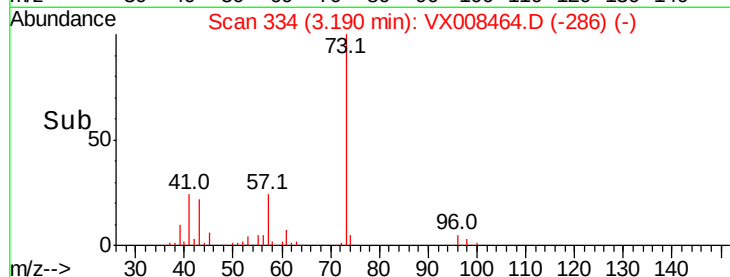
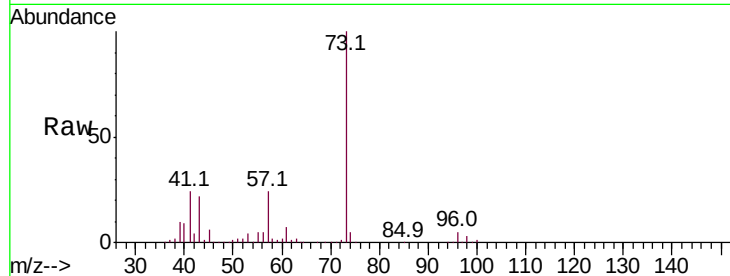
#19  
Methyl tert-butyl Ether  
Concen: 48.782 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. -0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

Tot Ion: 73 Resp: 391446  
Ion Ratio Lower Upper  
73 100  
57 24.5 18.6 28.0

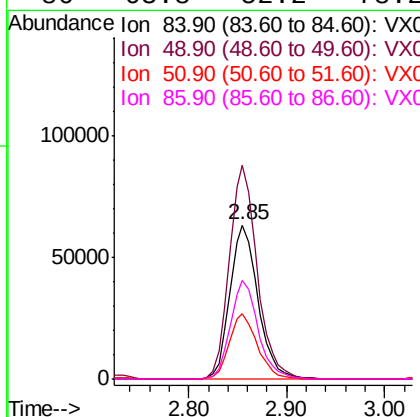
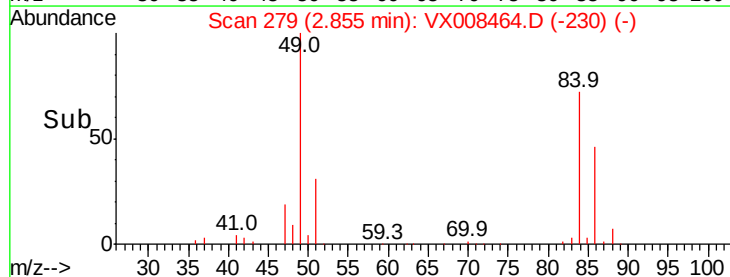
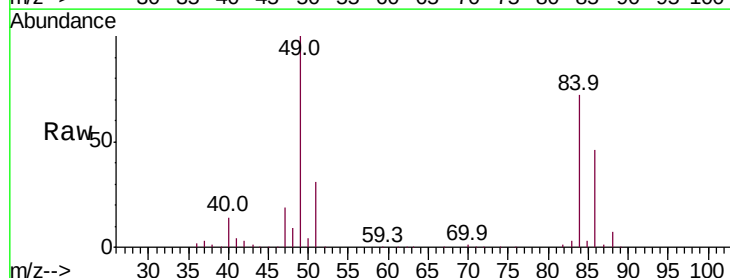
Manual Integrations  
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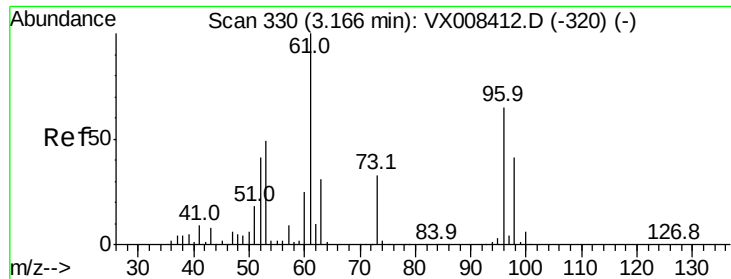
MMDadoda  
3/27/2019 10:41:52 AM



#20  
Methylene Chloride  
Concen: 50.890 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion: 84 Resp: 125938  
Ion Ratio Lower Upper  
84 100  
49 138.8 110.6 165.8  
51 42.6 33.9 50.9  
86 63.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.809 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampled :

MW-104MS

Tot Ion: 96 Resp: 110521

Ion Ratio Lower Upper

96 100

61 154.9 122.6 184.0

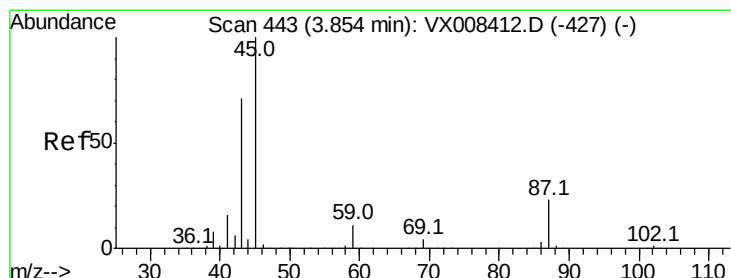
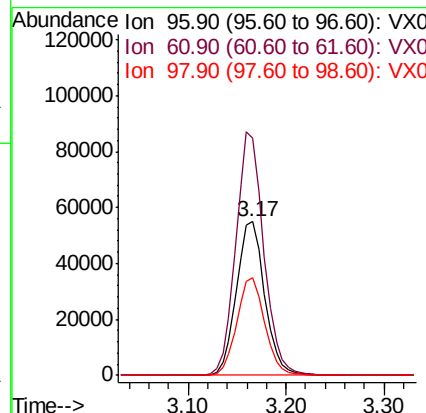
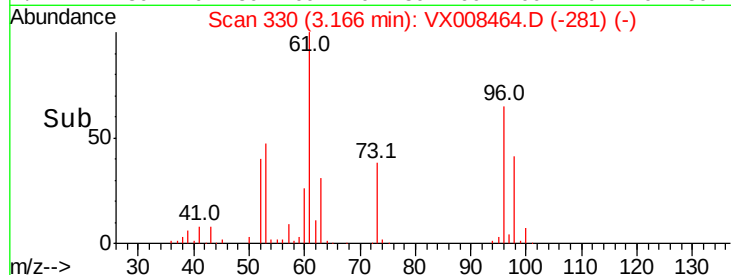
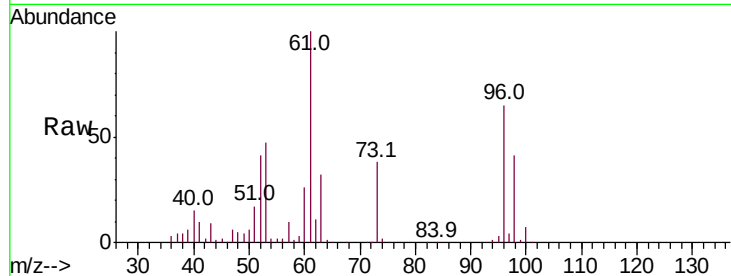
98 63.9 50.9 76.3

Manual Integrations

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MMDadoda

3/27/2019 10:41:52 AM



#22

Diisopropyl ether

Concen: 48.051 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Tgt Ion: 45 Resp: 464167

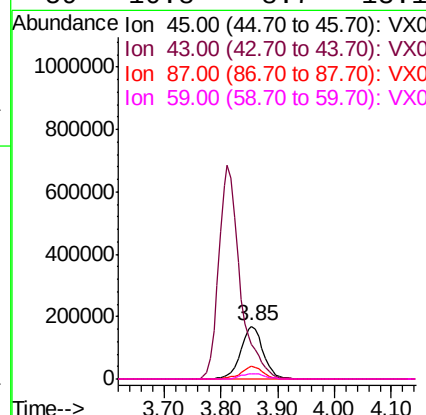
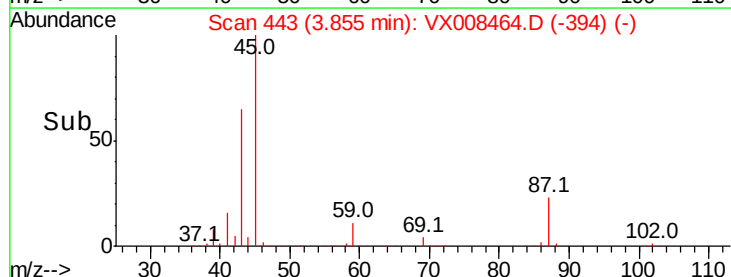
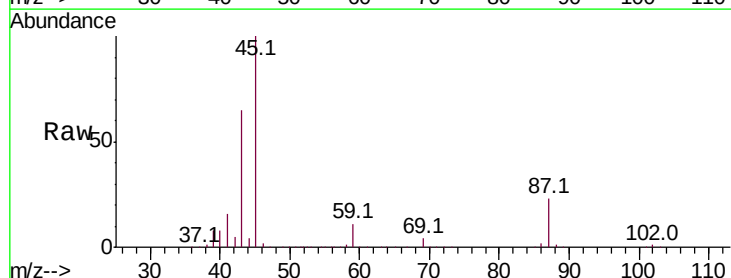
Ion Ratio Lower Upper

45 100

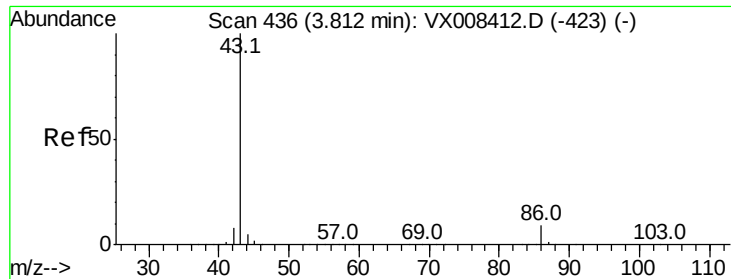
43 65.4 57.1 85.7

87 23.3 18.8 28.2

59 10.8 8.7 13.1







#23

Vinyl Acetate

Concen: 211.572 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 43 Resp: 1783060

Ion Ratio Lower Upper

43 100

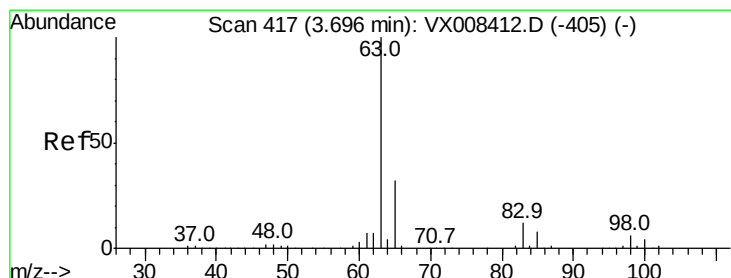
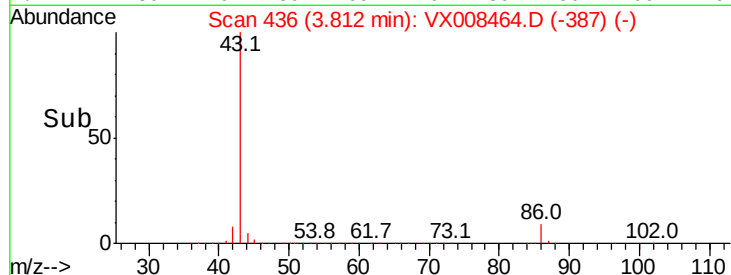
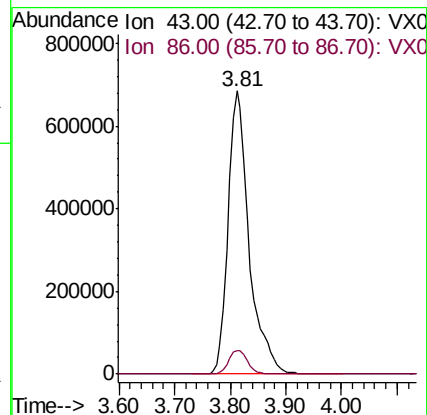
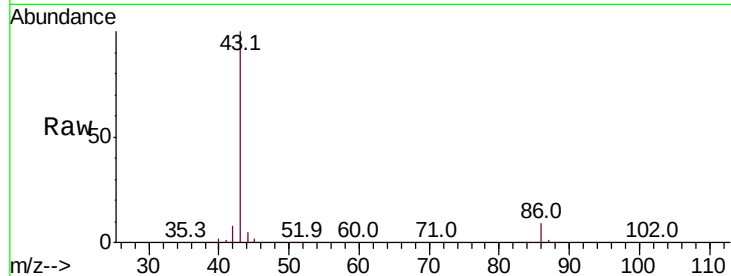
86 8.5 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

3/27/2019 10:41:52 AM



#24

1,1-Dichloroethane

Concen: 47.739 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

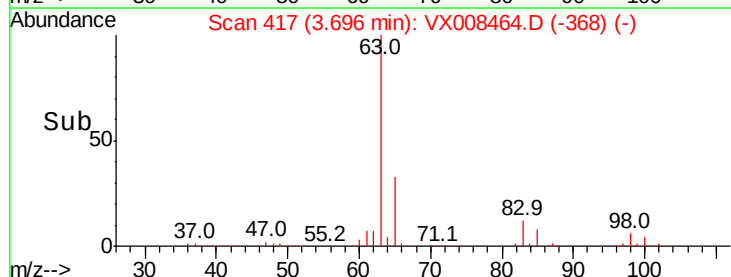
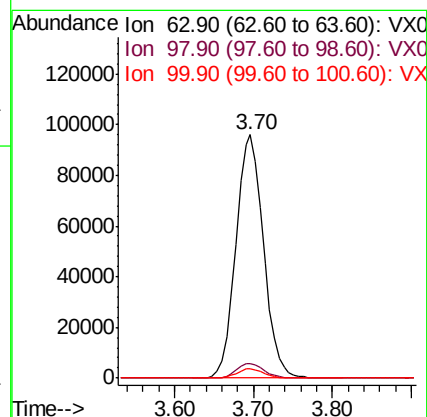
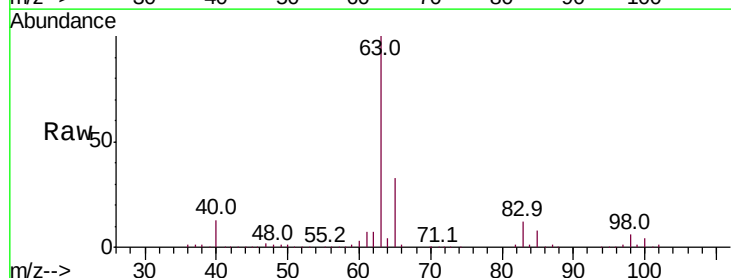
Tgt Ion: 63 Resp: 232813

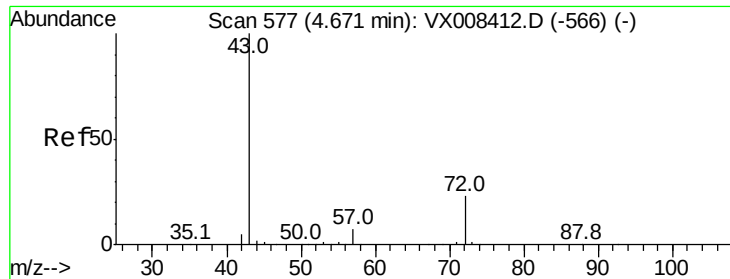
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 241.546 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 43 Resp: 587298

Ion Ratio Lower Upper

43 100

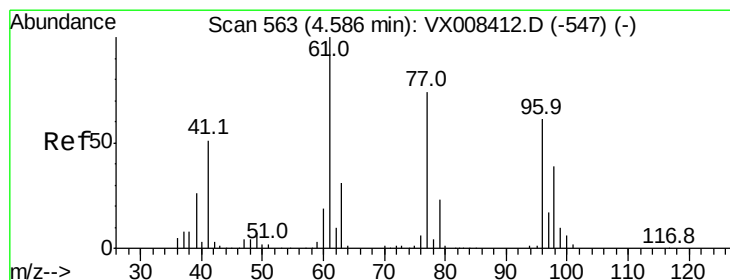
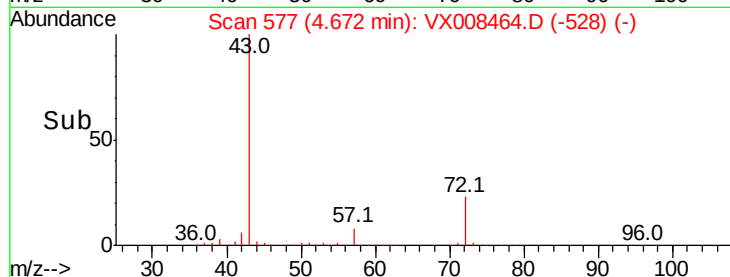
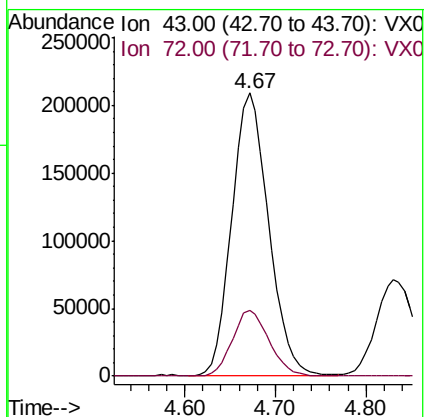
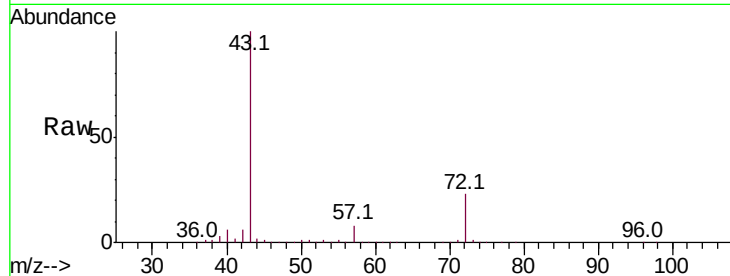
72 23.0 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 41.515 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008464.D

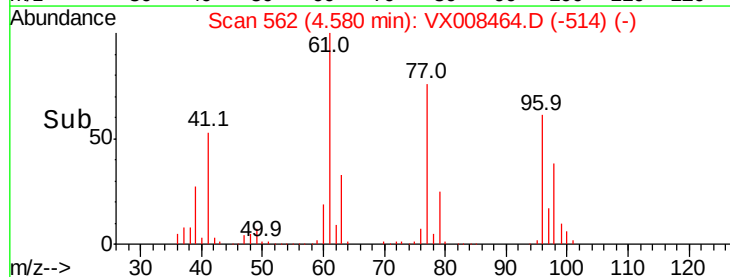
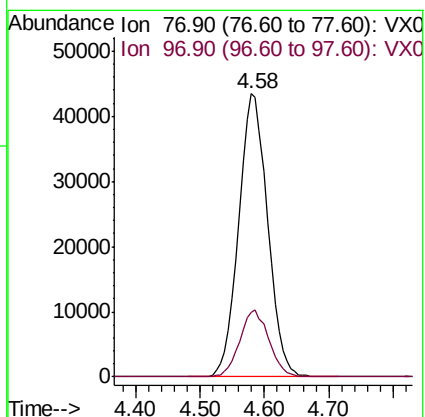
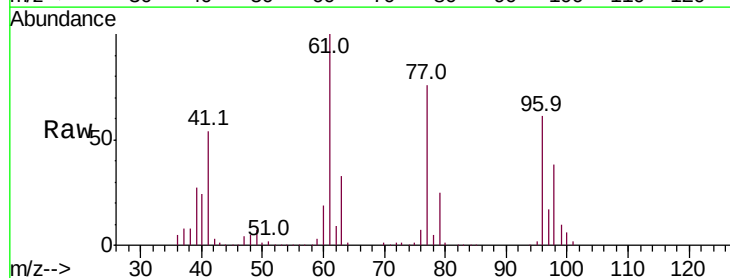
Acq: 26 Mar 2019 19:08

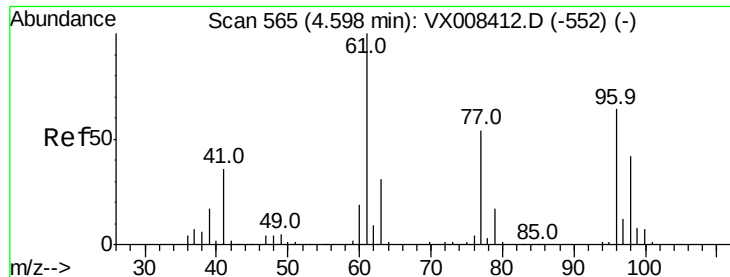
Tgt Ion: 77 Resp: 134660

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.6





#27

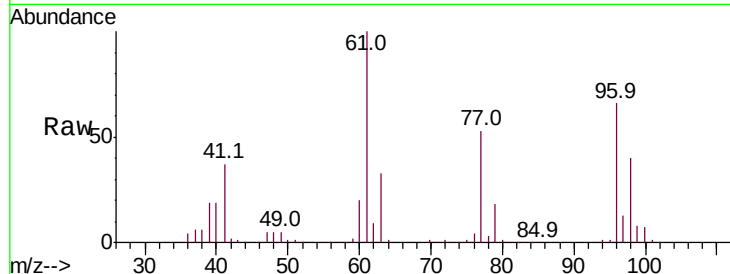
cis-1,2-Dichloroethene  
Concen: 47.744 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 130006 |       |       |
| 61      | 159.1 | 0.0    | 325.6 |       |
| 98      | 63.5  | 0.0    | 130.0 |       |

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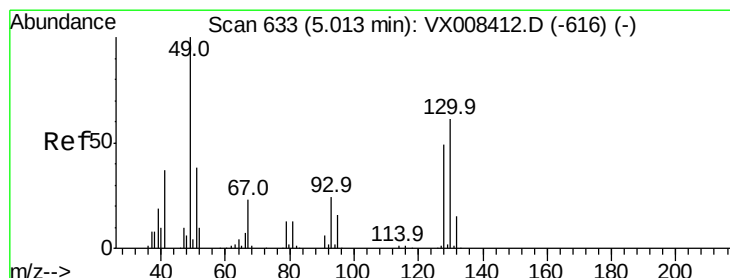
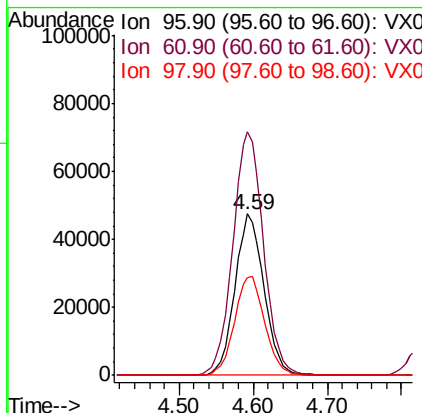
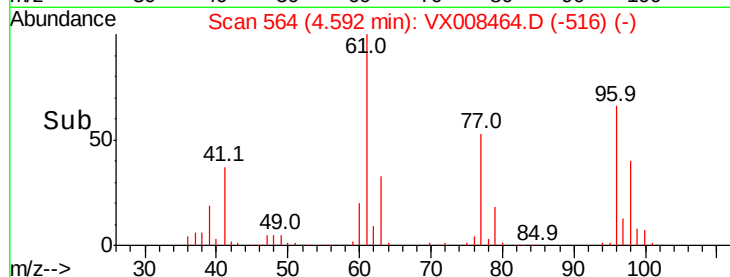


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

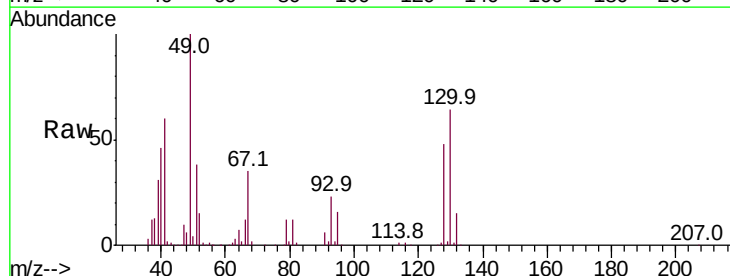
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane  
Concen: 48.340 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 116470 |       |       |
| 129     | 1.7   | 0.0    | 3.4   |       |
| 130     | 62.5  | 49.8   | 74.6  |       |

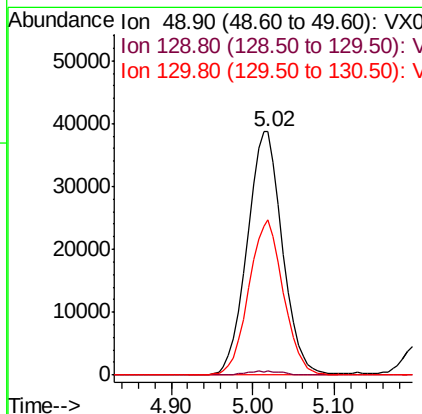
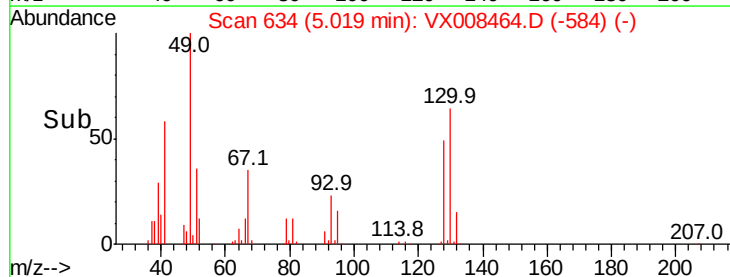


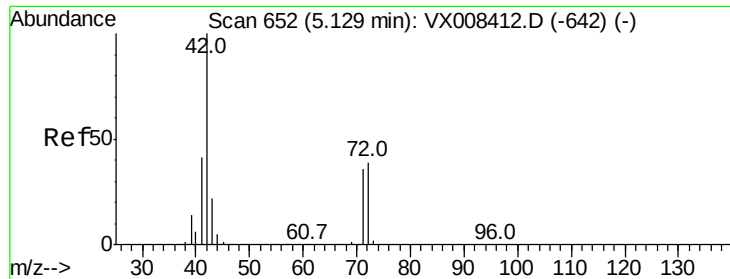
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 238.341 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

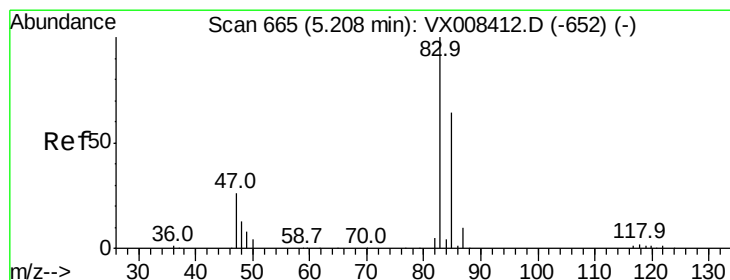
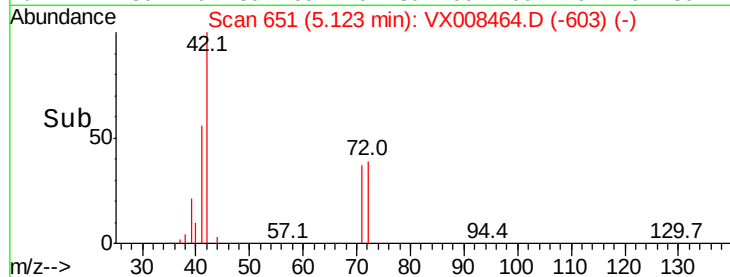
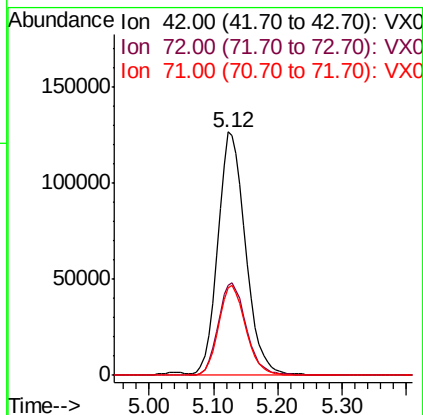
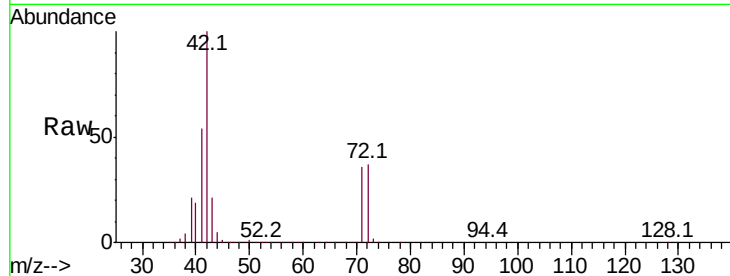
ClientSampleId :

MW-104MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 381937 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 38.8  | 31.4  | 47.2   |
| 71       | 36.6  | 29.4  | 44.2   |

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#30

Chloroform

Concen: 48.039 ug/l

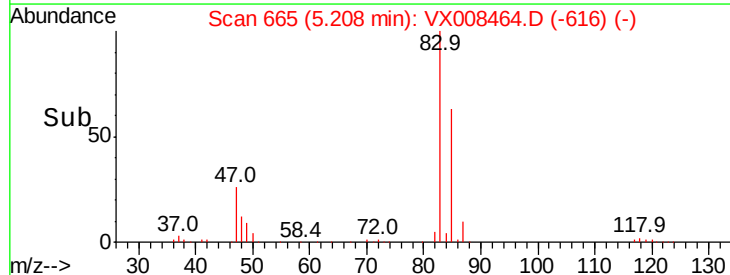
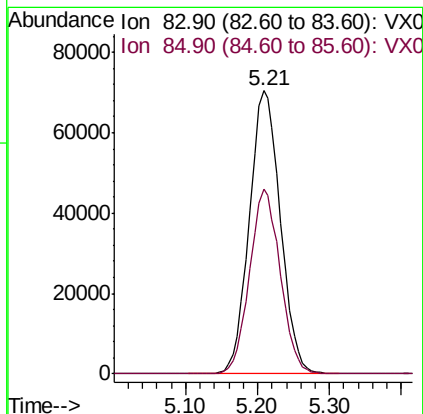
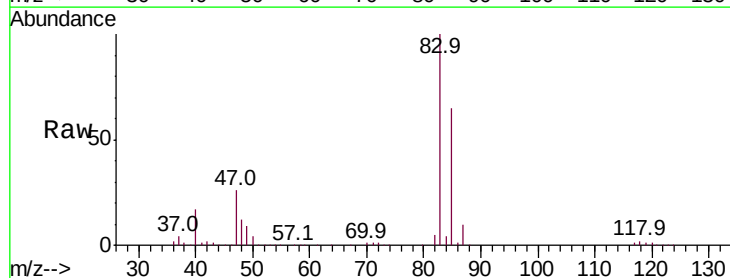
RT: 5.21 min Scan# 665

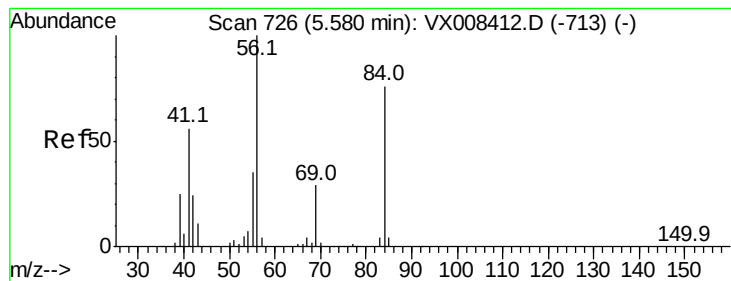
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 211429 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.4  | 51.4  | 77.2   |





#31

Cyclohexane

Concen: 47.242 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 56 Resp: 21973

Ion Ratio Lower Upper

56 100

69 27.8 23.2 34.8

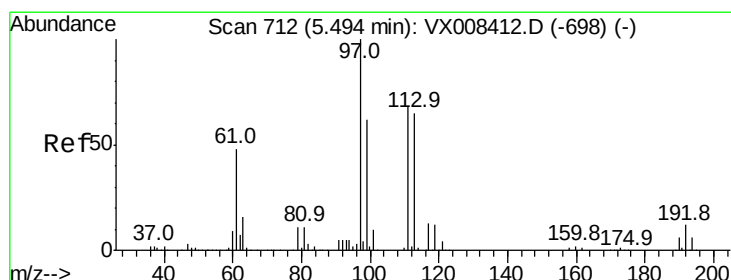
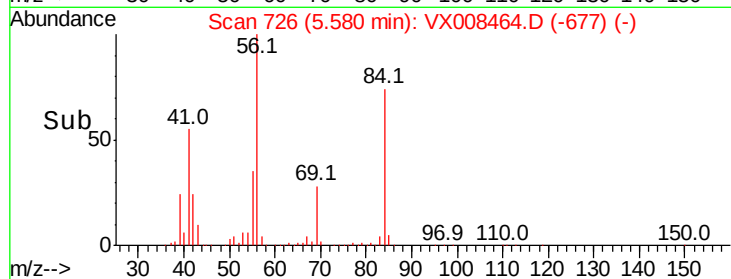
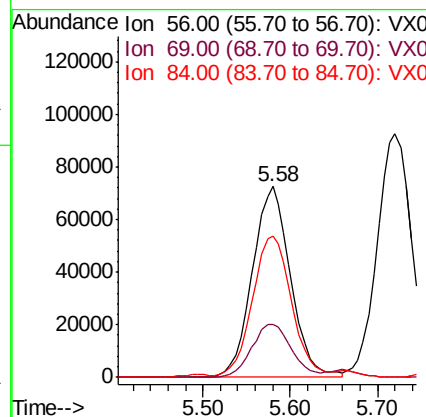
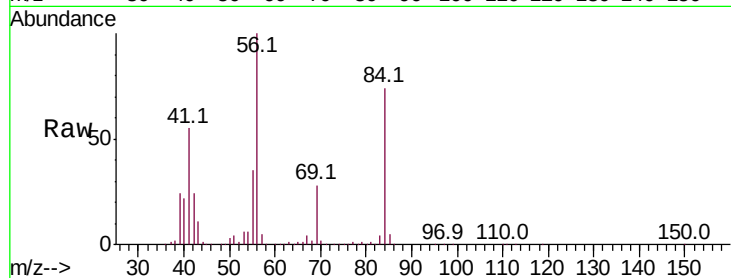
84 72.9 60.7 91.1

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#32

1,1,1-Trichloroethane

Concen: 48.175 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

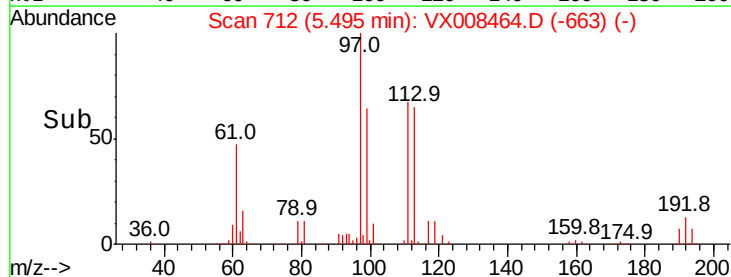
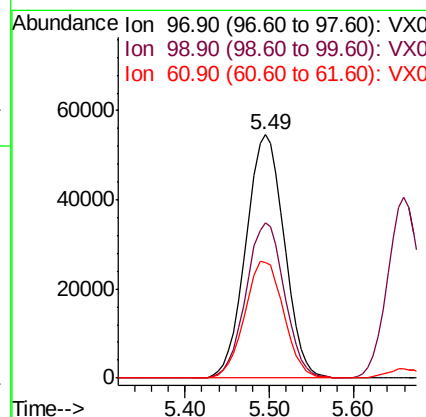
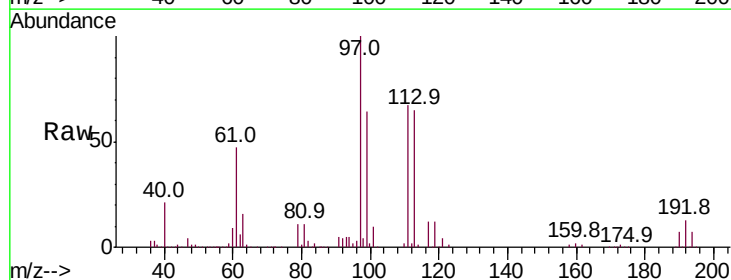
Tgt Ion: 97 Resp: 169479

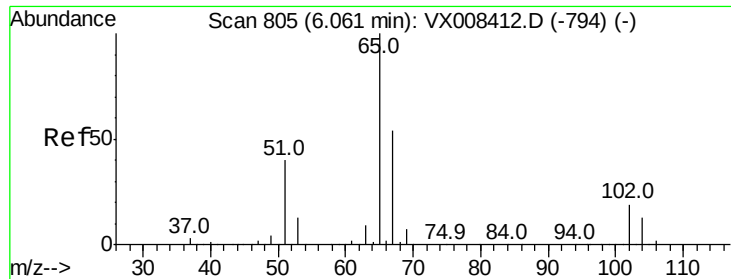
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 48.8 38.8 58.2





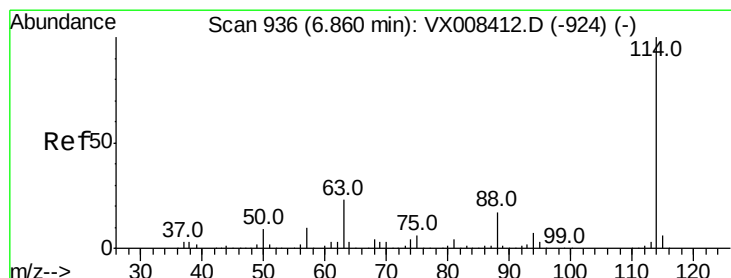
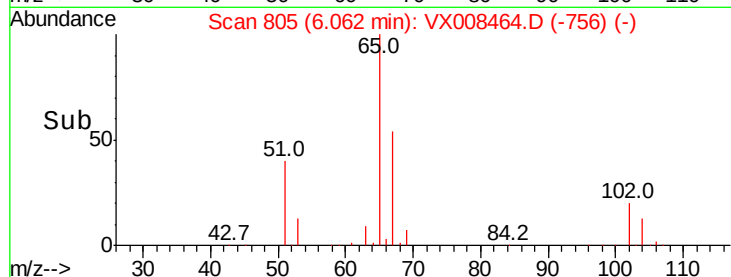
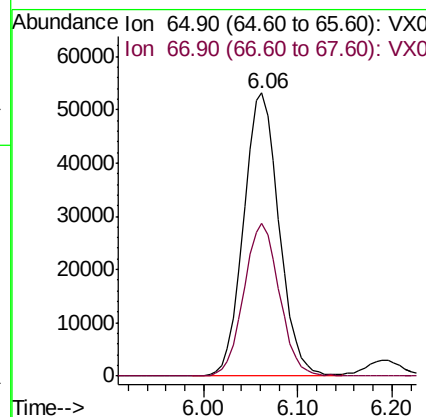
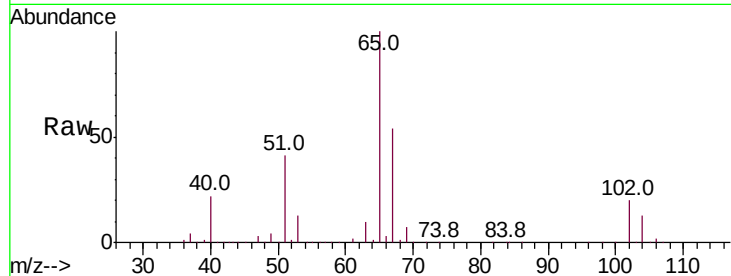
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.254 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.8  | 0.0   | 109.4 |

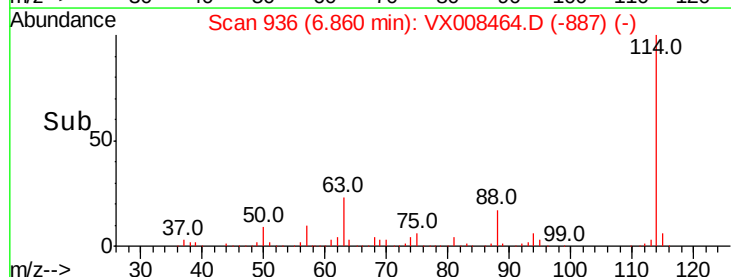
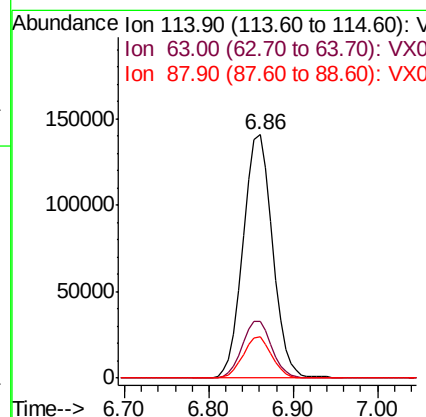
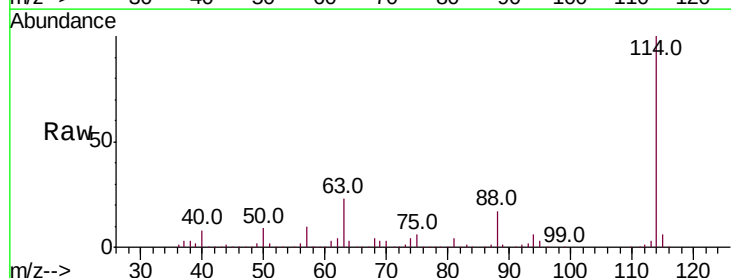
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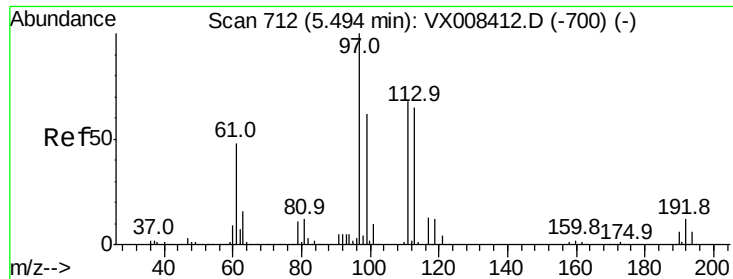
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.5  | 0.0   | 46.4  |
| 88      | 16.9  | 0.0   | 33.2  |





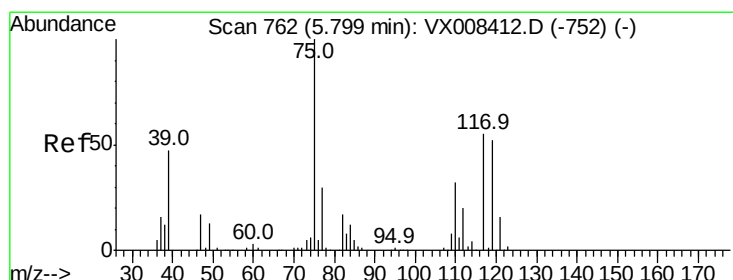
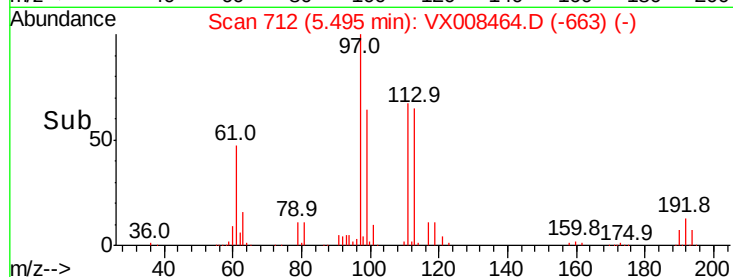
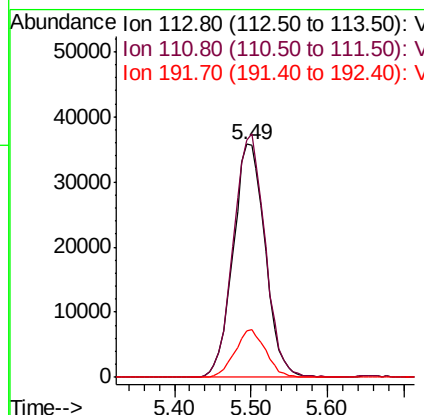
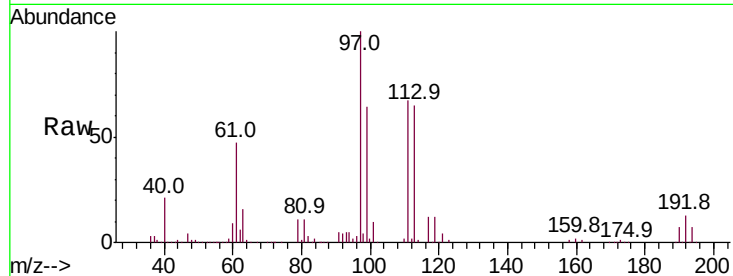
#35  
Dibromofluoromethane  
Concen: 47.946 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-104MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.4 | 83.0 | 124.4 |       |
| 192     | 19.7  | 15.6 | 23.4  |       |

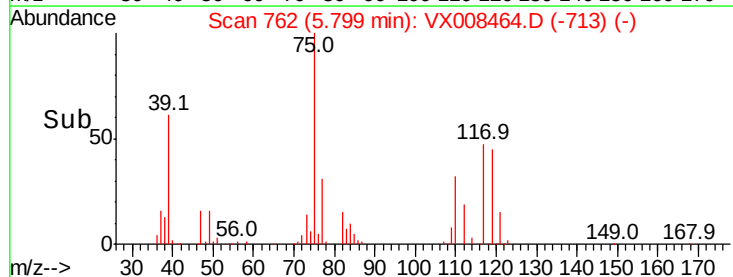
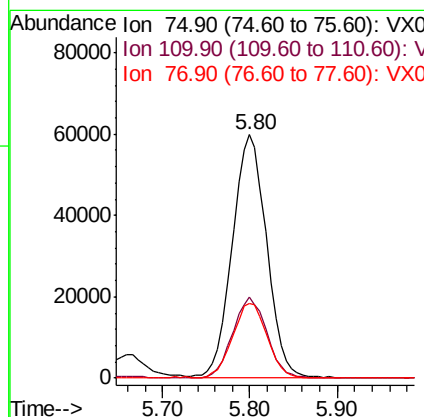
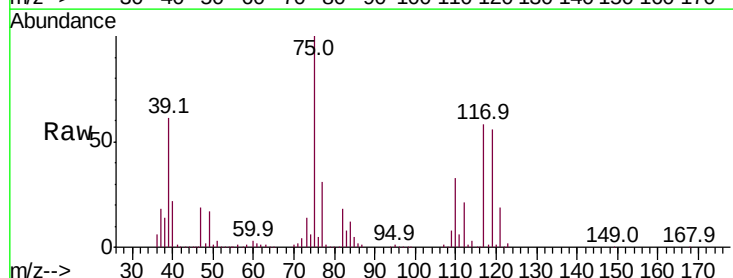
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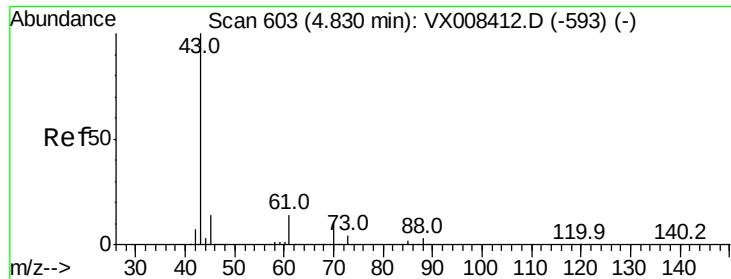
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#36  
1,1-Dichloropropene  
Concen: 45.807 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.3  | 16.6 | 49.7  |       |
| 77      | 30.8  | 24.2 | 36.2  |       |





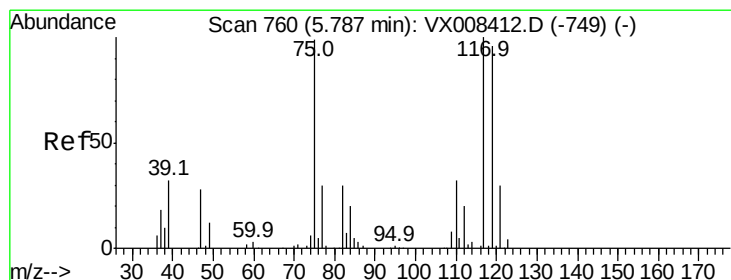
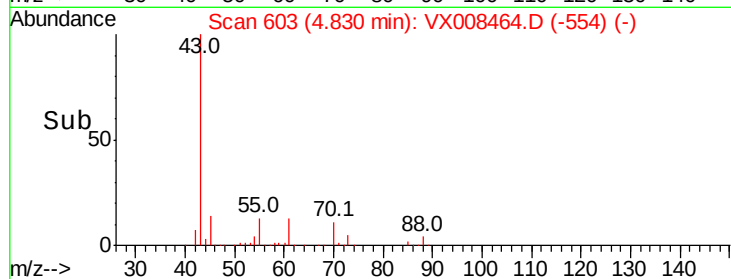
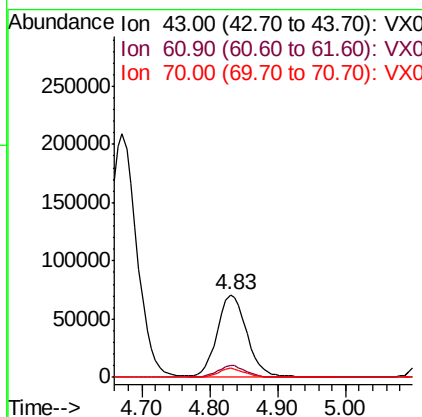
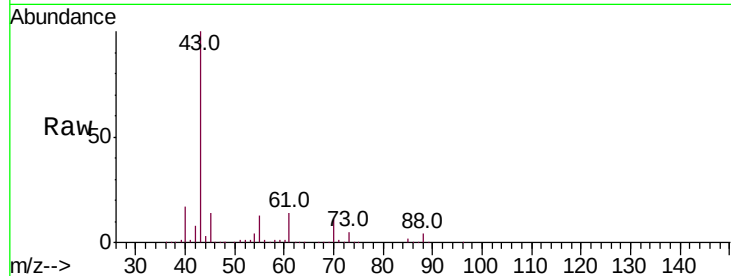
#37  
Ethyl Acetate  
Concen: 46.653 ug/l  
RT: 4.83 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 10.5  | 15.7  |
| 70      | 9.8   | 7.8   | 11.8  |

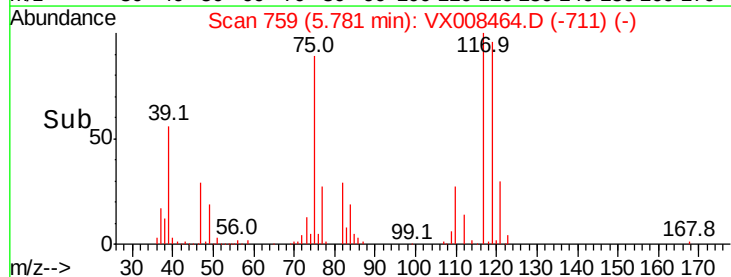
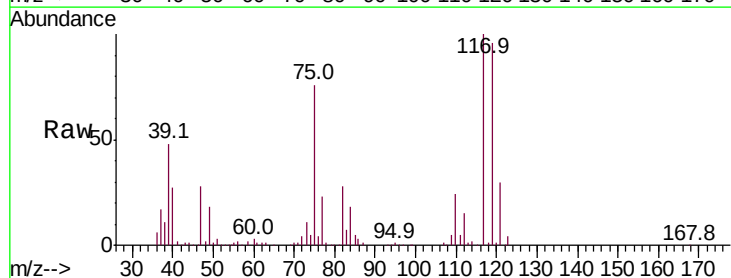
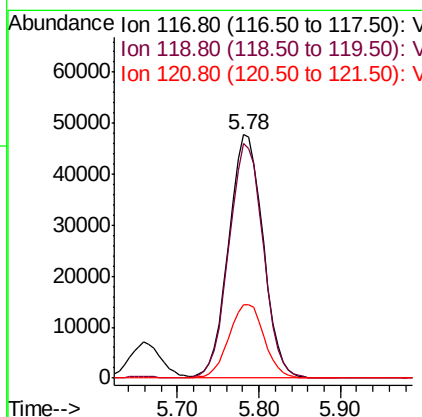
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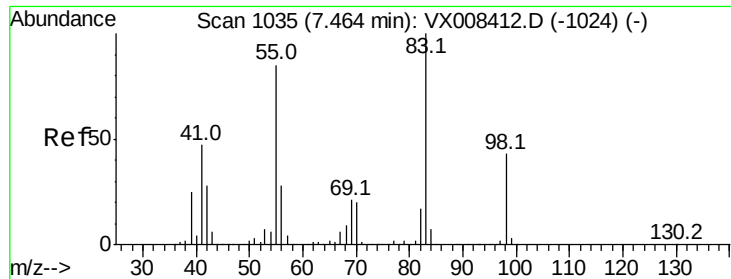


#38  
Carbon Tetrachloride  
Concen: 47.403 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 76.7  | 115.1 |
| 121     | 30.1  | 24.3  | 36.5  |







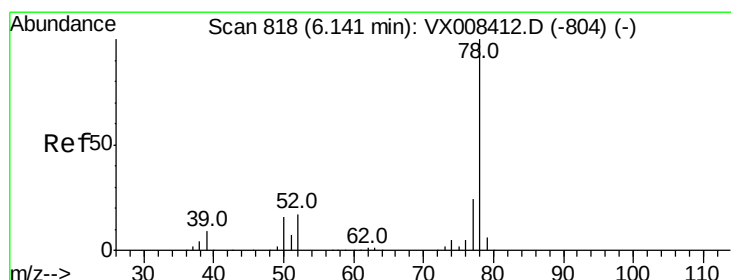
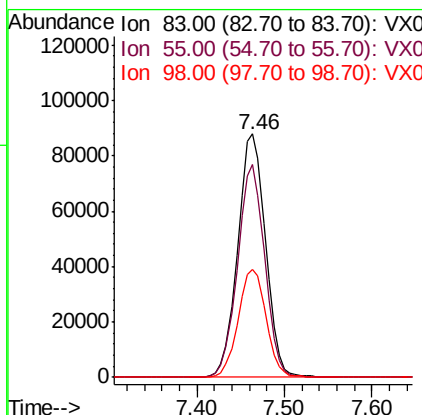
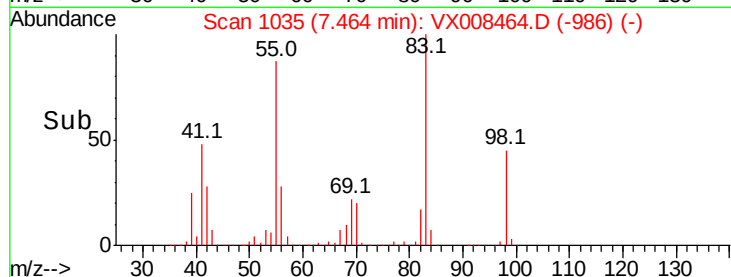
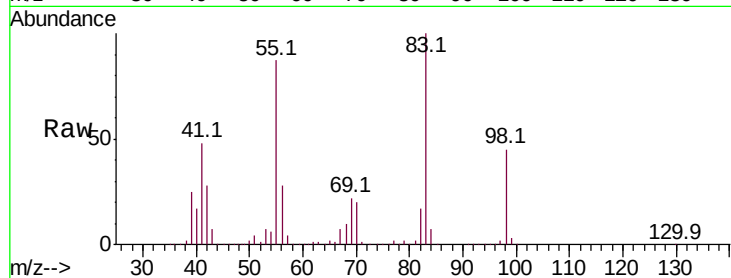
#39  
Methylvlcyclohexane  
Concen: 45.931 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.4  | 68.2  | 102.4 |
| 98      | 44.5  | 34.2  | 51.4  |

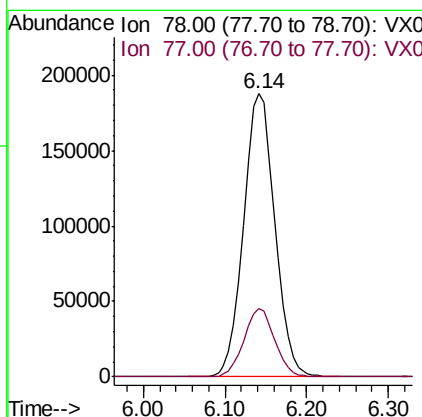
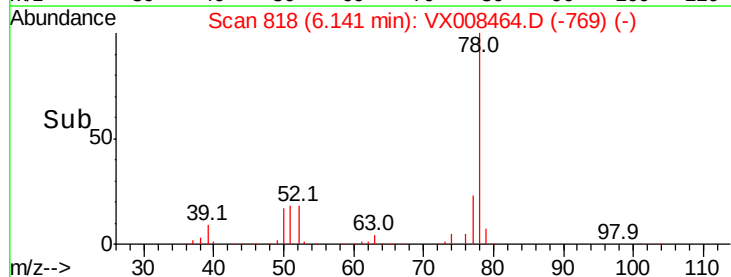
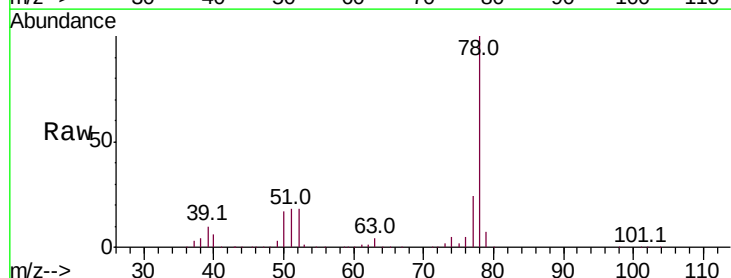
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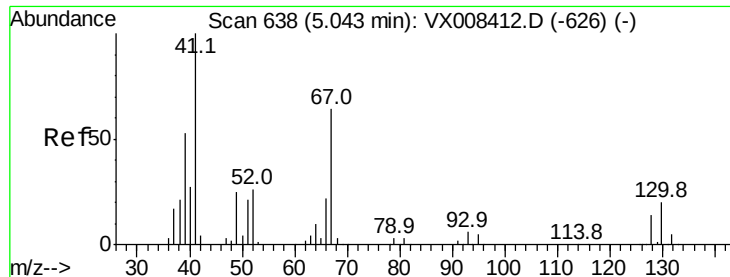
MMDadoda  
3/27/2019 10:41:52 AM



#40  
Benzene  
Concen: 47.240 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 19.3  | 28.9  |





#41

Methacrylonitrile

Concen: 48.222 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 41 Resp: 124298

Ion Ratio Lower Upper

41 100

39 54.8 42.6 64.0

67 65.3 52.2 78.4

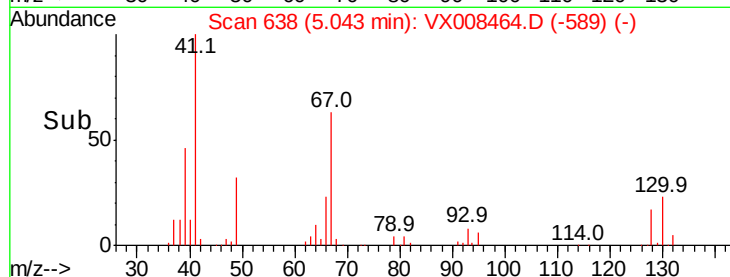
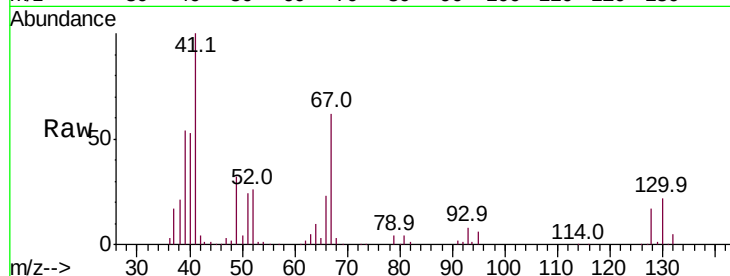
52 27.4 21.4 32.0

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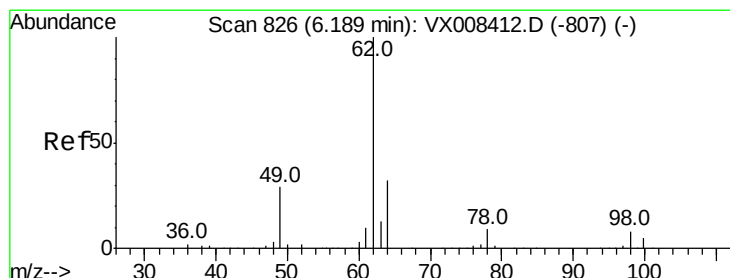
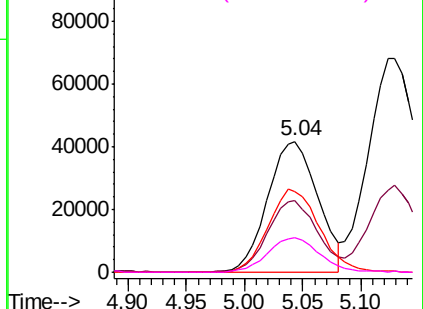


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.709 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX008464.D

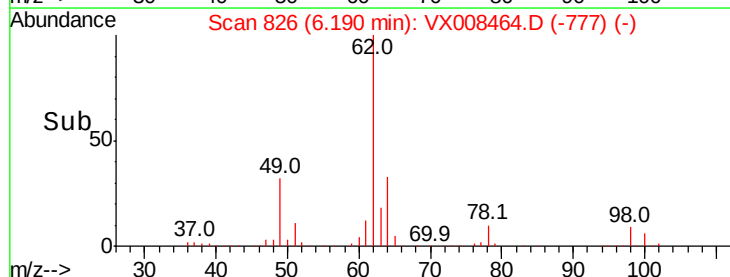
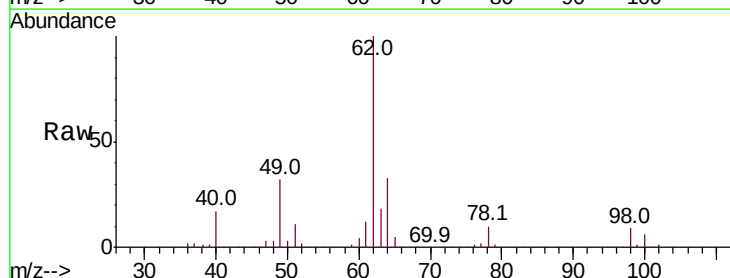
Acq: 26 Mar 2019 19:08

Tgt Ion: 62 Resp: 177391

Ion Ratio Lower Upper

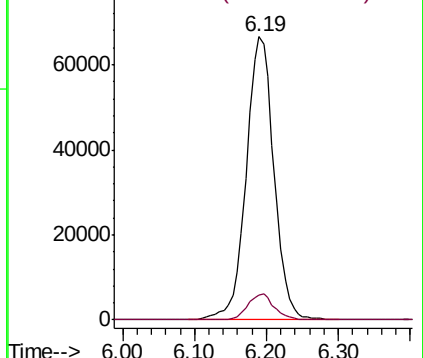
62 100

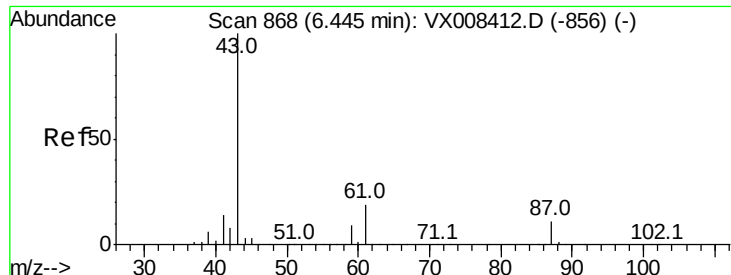
98 8.8 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.539 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

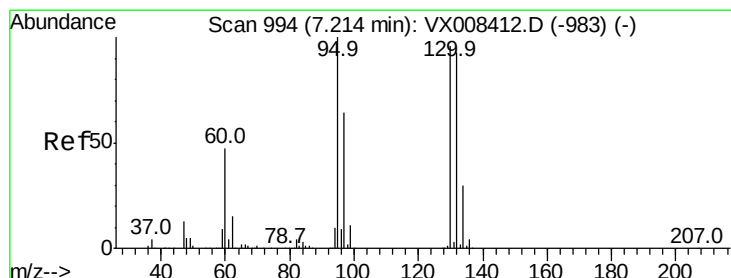
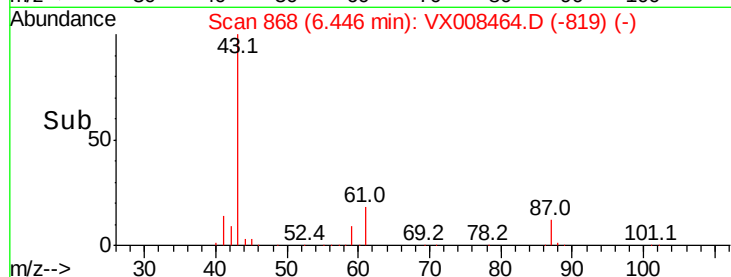
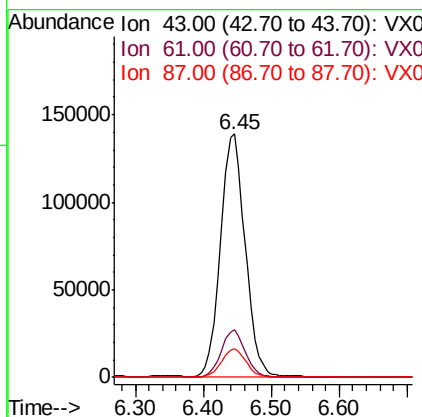
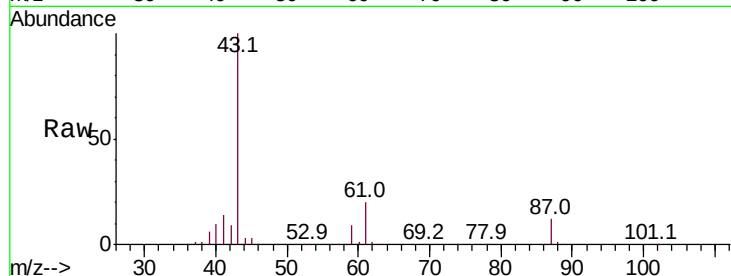
ClientSampleId :

MW-104MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 348772 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.3  | 15.4  | 23.2   |
| 87       | 11.5  | 9.1   | 13.7   |

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#44

Trichloroethene

Concen: 46.102 ug/l

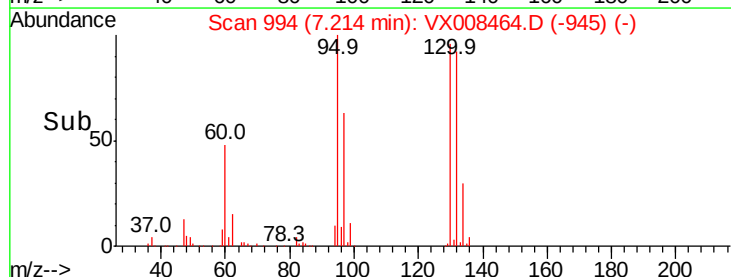
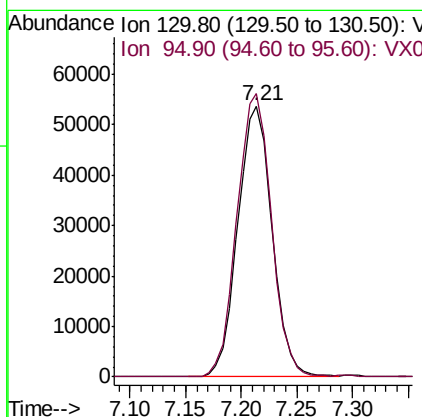
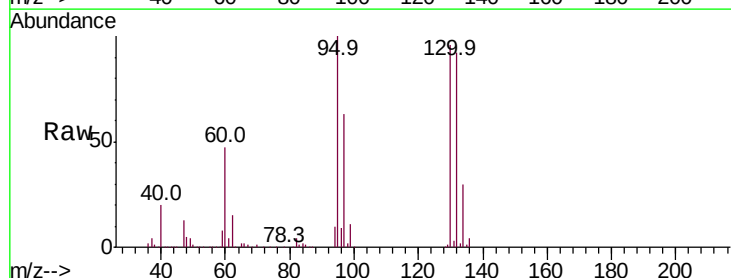
RT: 7.21 min Scan# 994

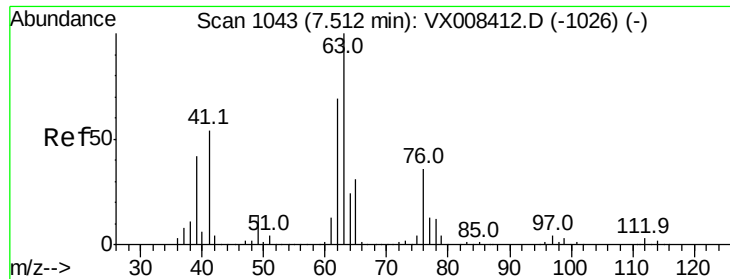
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 114737 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 104.4 | 0.0   | 208.8  |





#45

1,2-Dichloropropane

Concen: 47.690 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 63 Resp: 143682

Ion Ratio Lower Upper

63 100

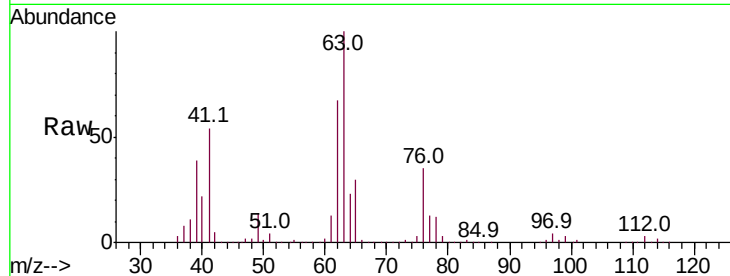
65 29.9 25.1 37.7

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

60000

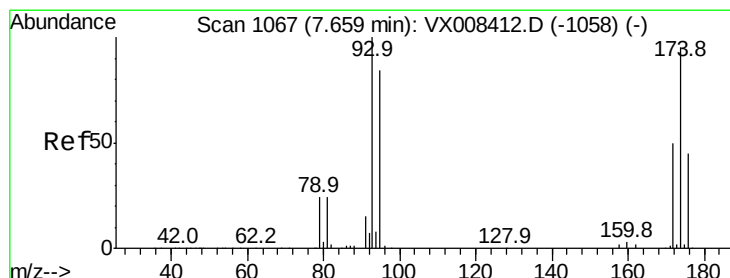
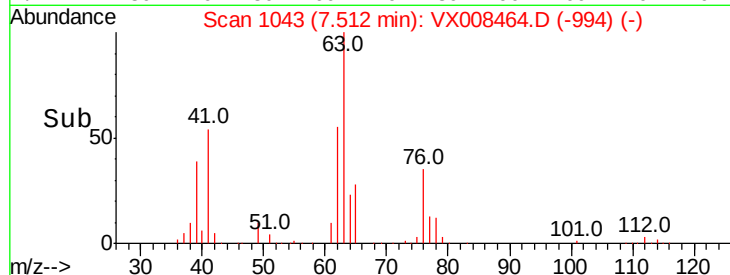
40000

20000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 46.412 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

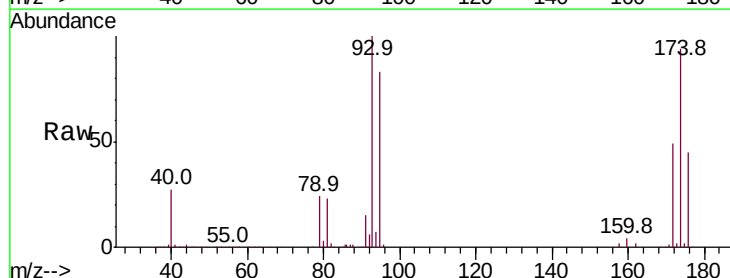
Tgt Ion: 93 Resp: 81654

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.6

174 95.4 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

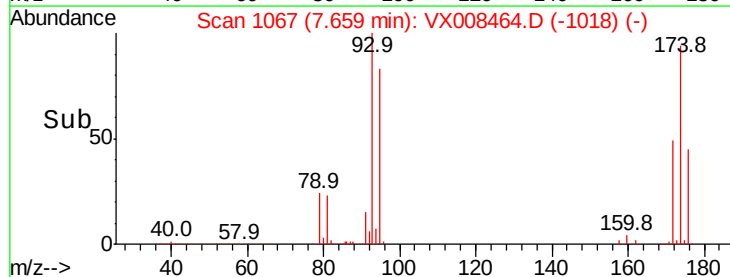
20000

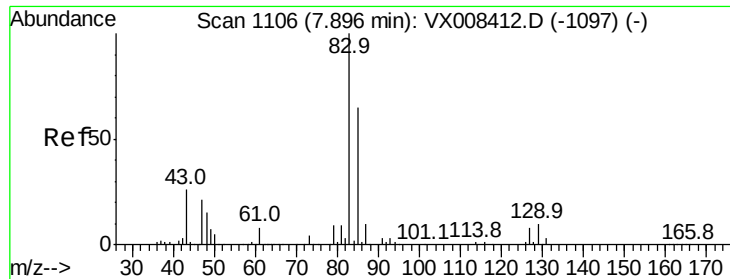
10000

0

Time-->

7.60 7.70





#47

Bromodichloromethane

Concen: 48.284 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

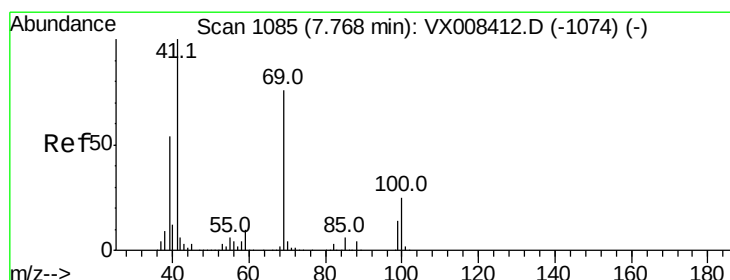
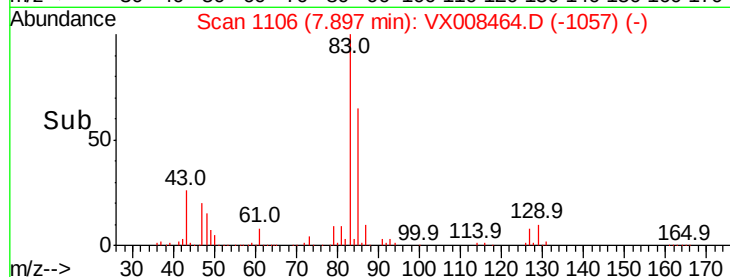
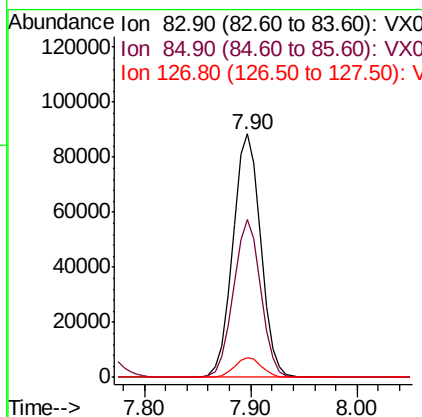
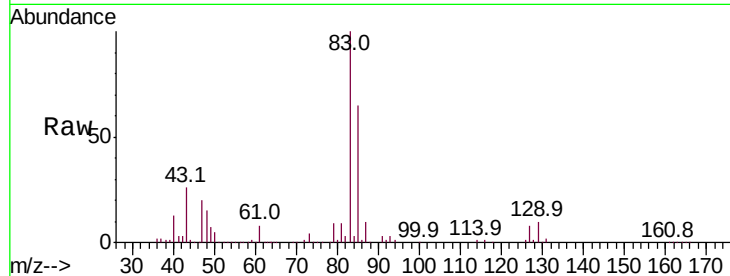
ClientSampleId :

MW-104MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 162598 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.9  | 52.0  | 78.0   |
| 127      | 8.3   | 6.4   | 9.6    |

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#48

Methyl methacrylate

Concen: 49.747 ug/l

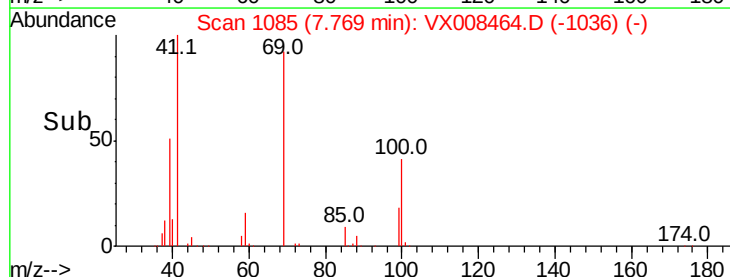
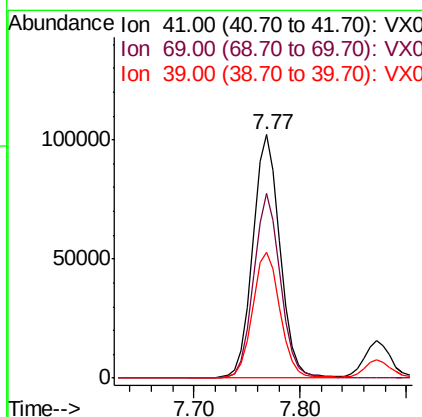
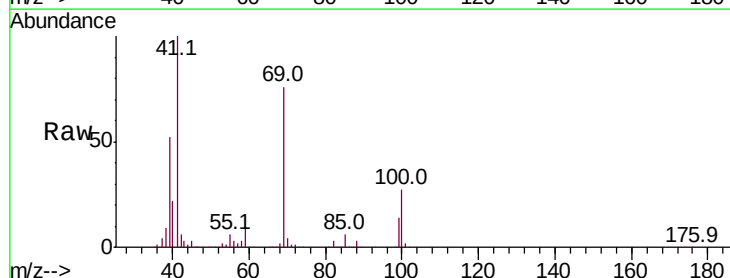
RT: 7.77 min Scan# 1085

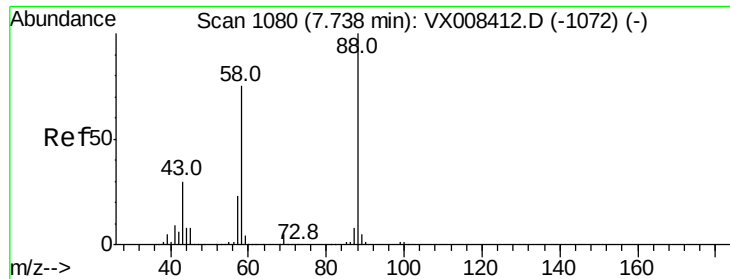
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 182619 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 75.2  | 60.8  | 91.2   |
| 39       | 52.4  | 42.3  | 63.5   |





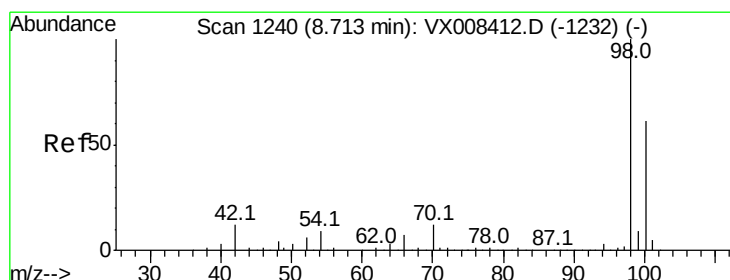
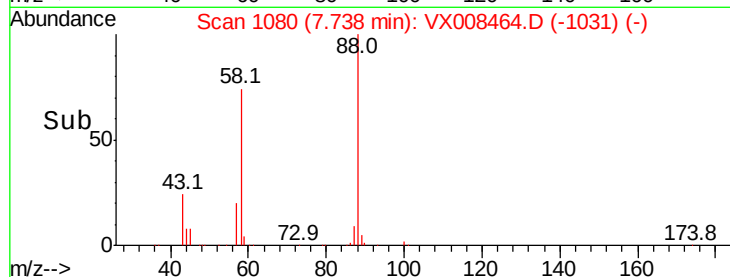
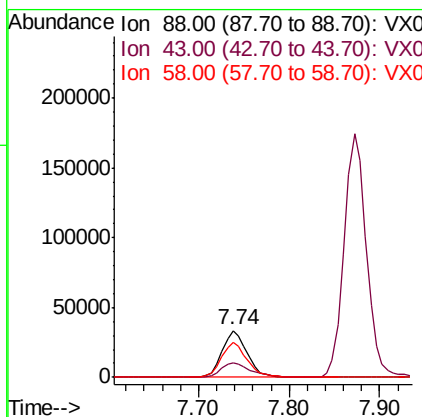
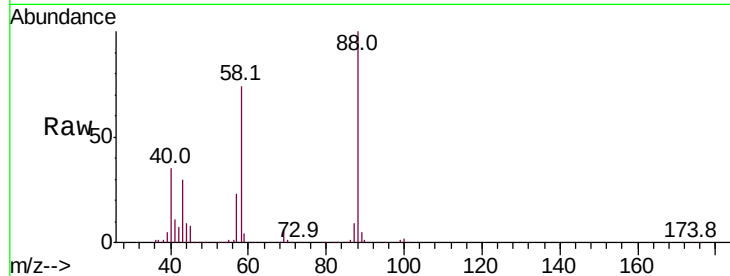
#49  
1,4-Dioxane  
Concen: 878.550 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.5  | 28.6  | 43.0  |
| 58      | 77.3  | 63.0  | 94.4  |

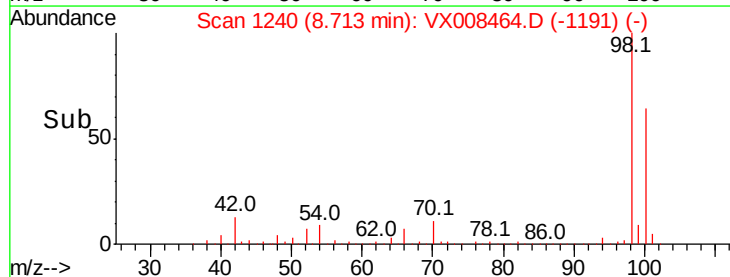
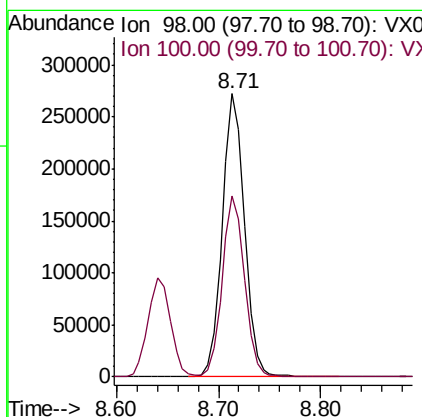
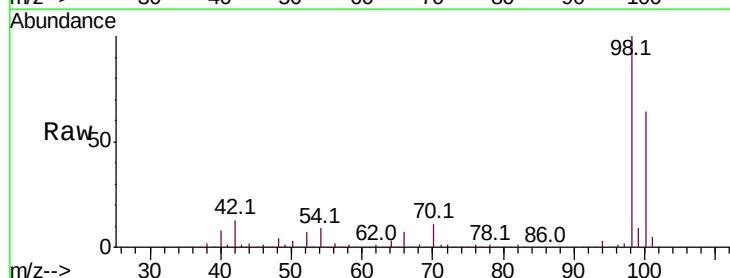
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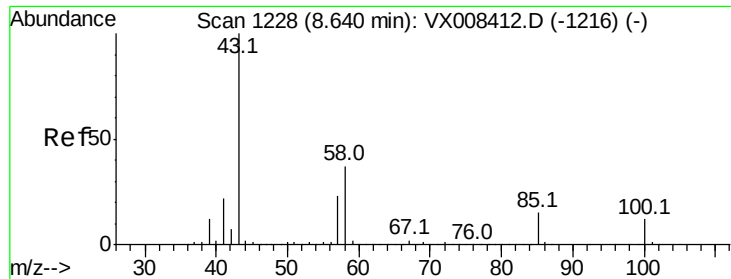
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#50  
Toluene-d8  
Concen: 47.717 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 249.186 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampled :

MW-104MS

Tot Ion: 43 Resp: 1187416

Ion Ratio Lower Upper

43 100

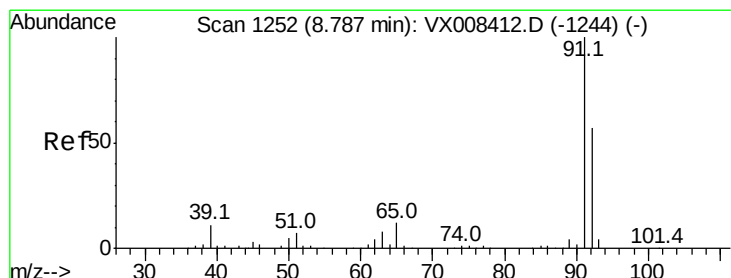
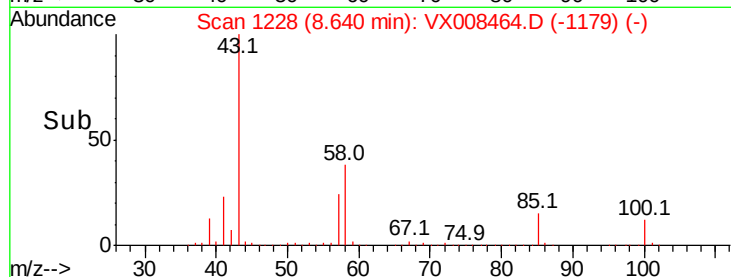
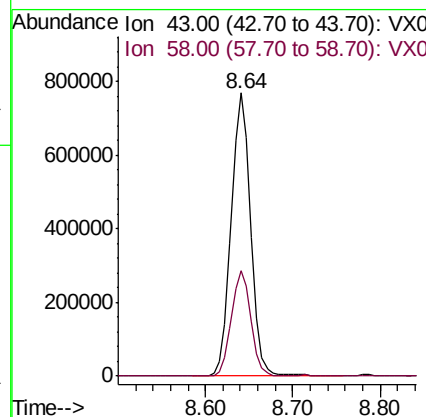
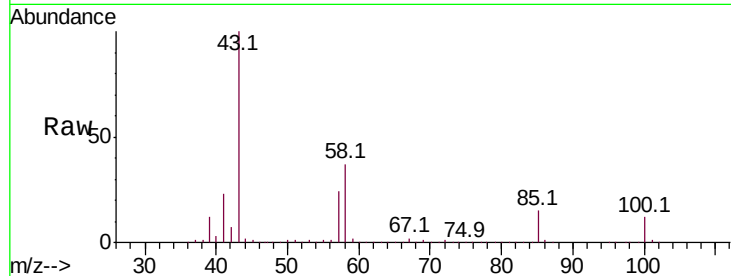
58 37.2 29.8 44.8

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#52

Toluene

Concen: 48.024 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008464.D

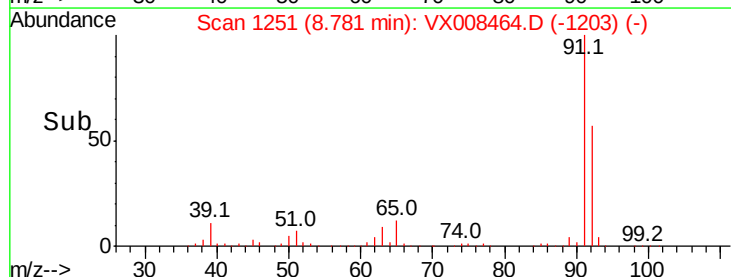
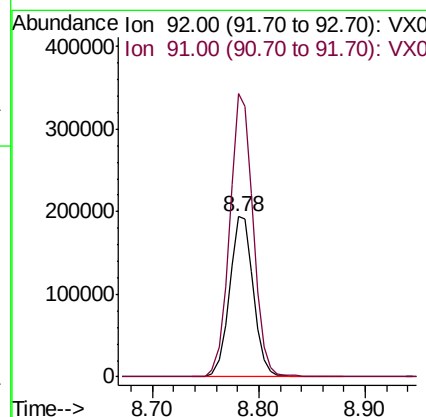
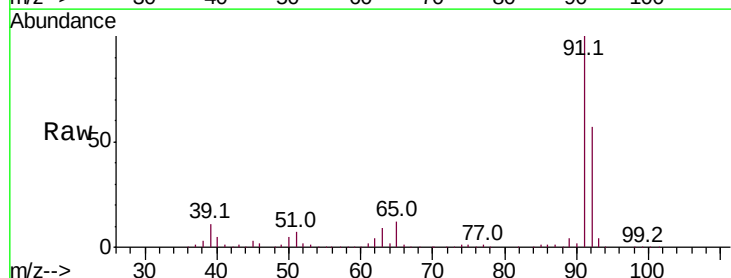
Acq: 26 Mar 2019 19:08

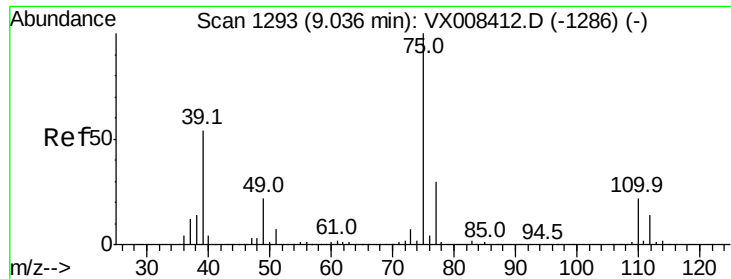
Tgt Ion: 92 Resp: 304369

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4





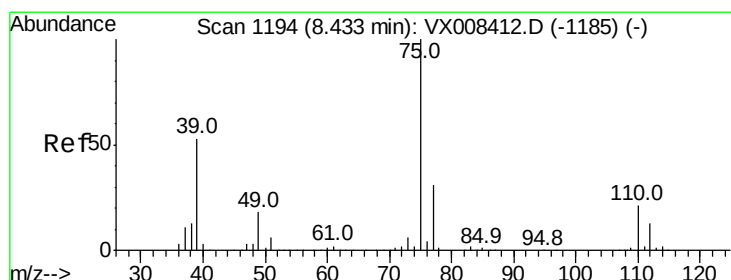
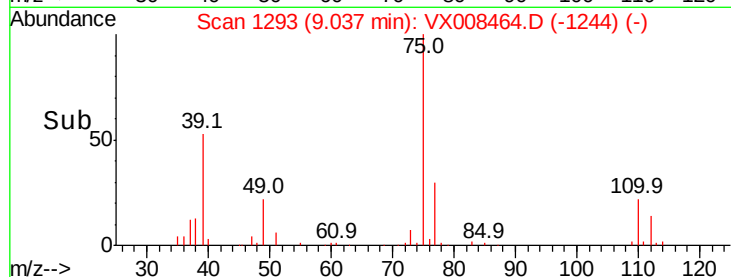
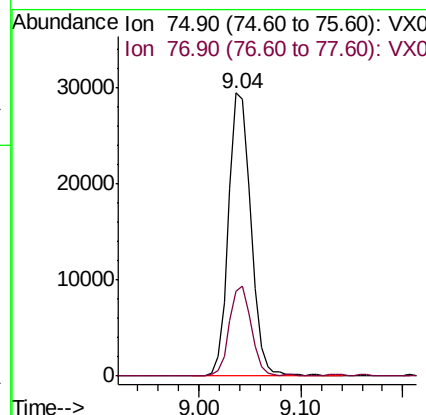
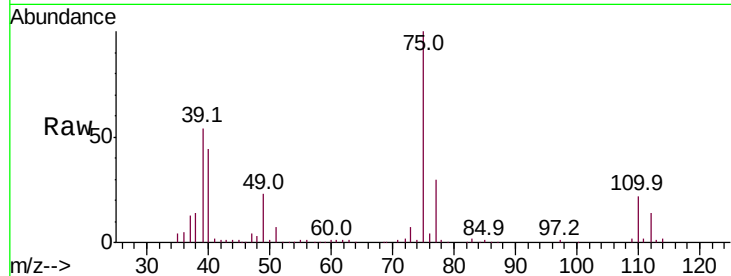
#53  
t-1,3-Dichloropropene  
Concen: 12.207 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

Tot Ion: 75 Resp: 45027  
Ion Ratio Lower Upper  
75 100  
77 30.2 24.3 36.5

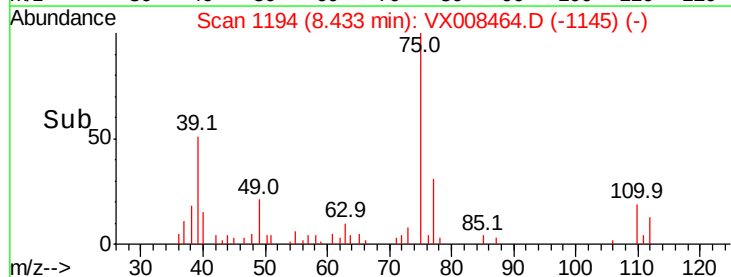
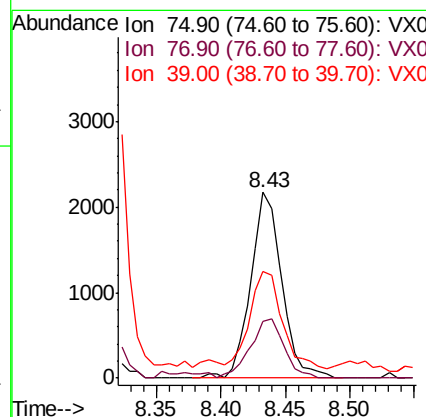
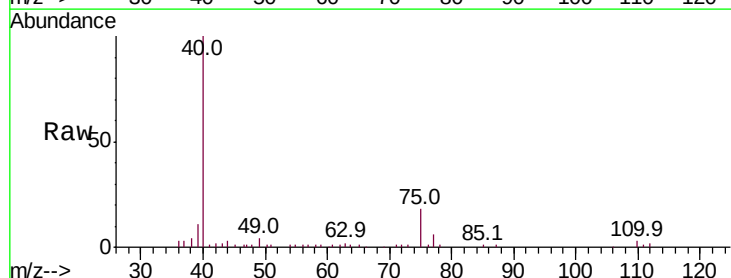
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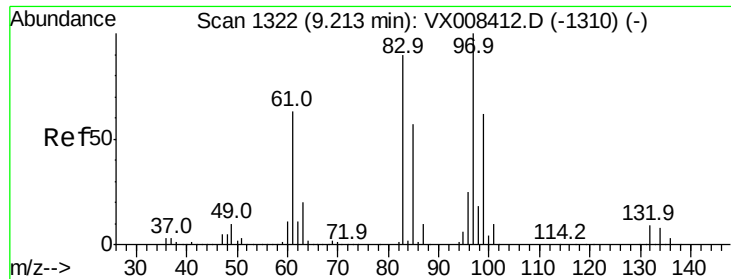


#54  
cis-1,3-Dichloropropene  
Concen: 0.861 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion: 75 Resp: 3613  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.7 37.1  
39 51.8 42.4 63.6







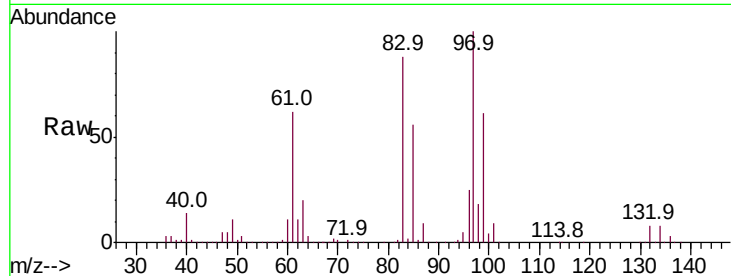
#55  
1,1,2-Trichloroethane  
Concen: 47.515 ug/l  
RT: 9.21 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-104MS

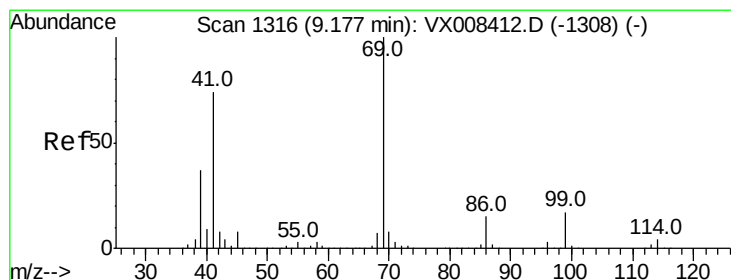
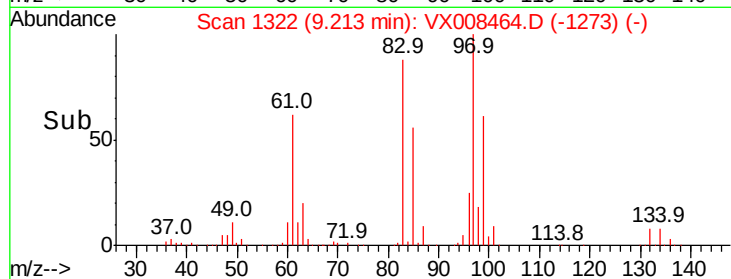
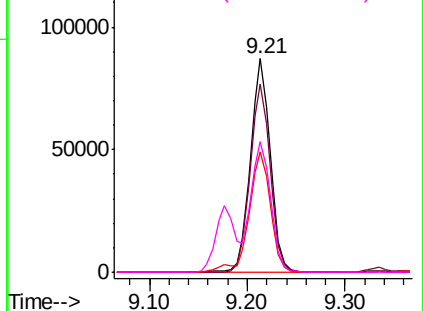
| Tot Ion   | 97    | Resp  | 122586 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 88.0  | 71.8  | 107.6  |
| 85        | 56.1  | 45.9  | 68.9   |
| 99        | 61.4  | 49.4  | 74.0   |

Manual Integrations  
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MMDadoda  
3/27/2019 10:41:52 AM

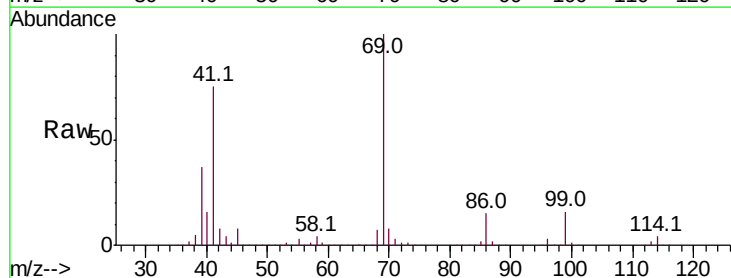


Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0

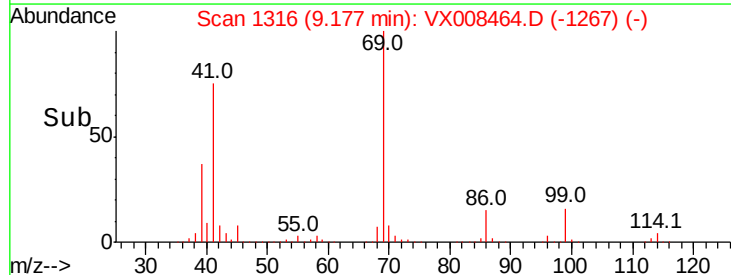
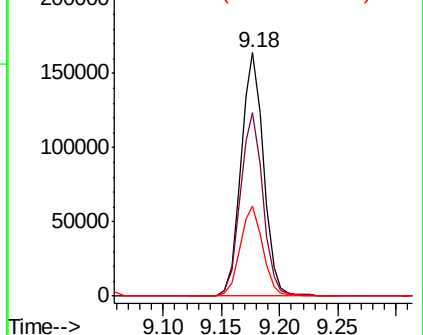


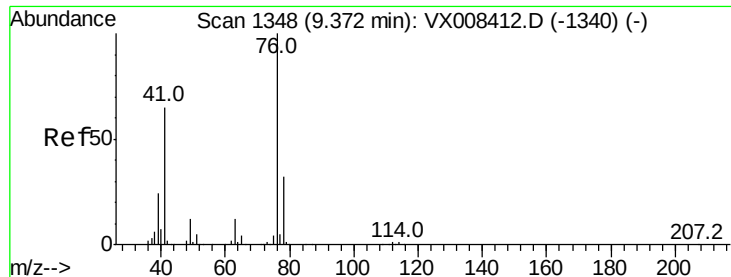
#56  
Ethyl methacrylate  
Concen: 47.811 ug/l  
RT: 9.18 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion   | 69    | Resp  | 222655 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 75.0  | 59.5  | 89.3   |
| 39        | 36.9  | 29.3  | 43.9   |



Abundance Ion 69.00 (68.70 to 69.70): VX0  
Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





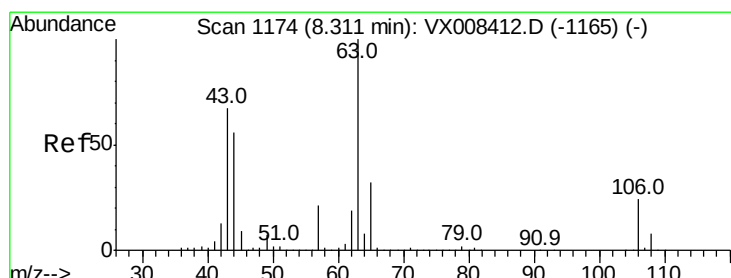
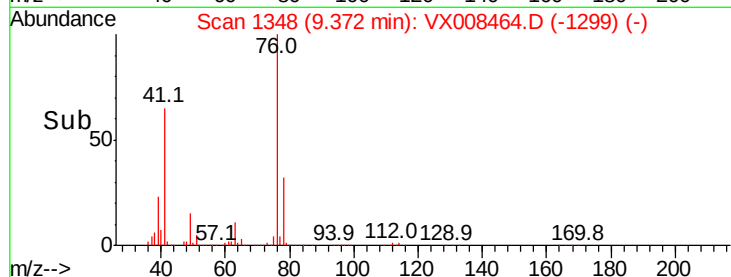
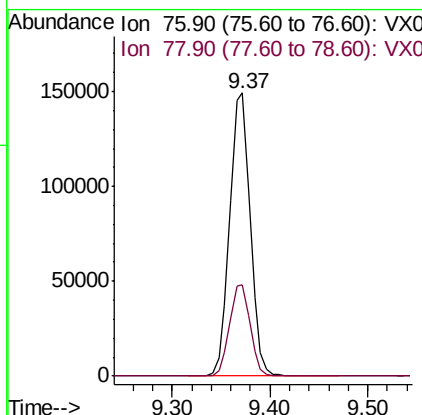
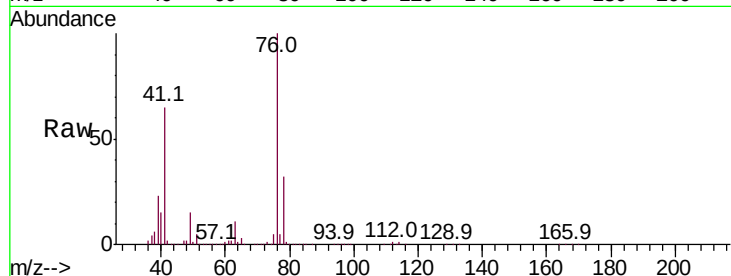
#57  
 1,3-Dichloropropane  
 Concen: 47.069 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-104MS

Tot Ion: 76 Resp: 217723  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 25.8 38.8

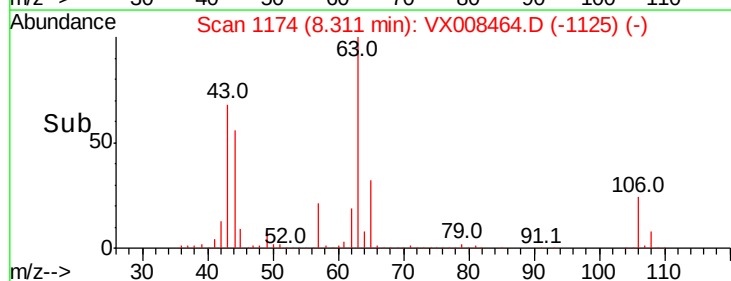
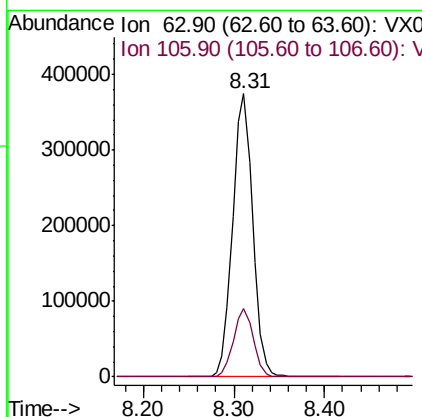
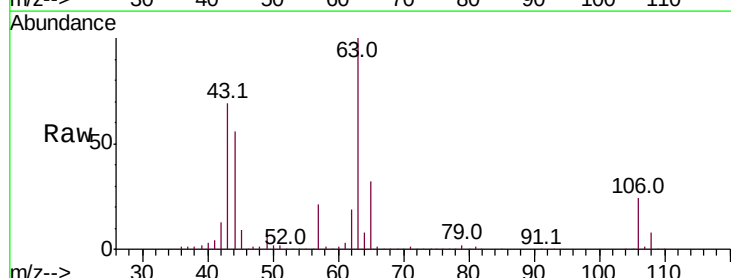
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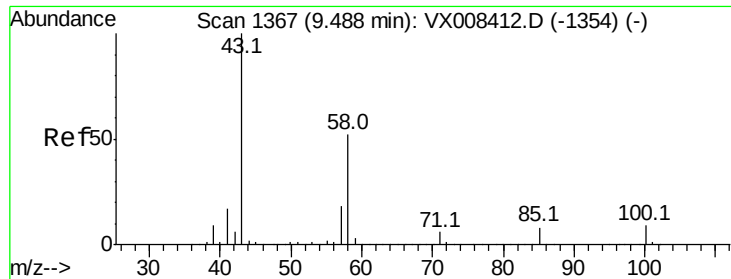
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 238.962 ug/l  
 RT: 8.31 min Scan# 1174  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Tgt Ion: 63 Resp: 575248  
 Ion Ratio Lower Upper  
 63 100  
 106 24.1 19.0 28.6





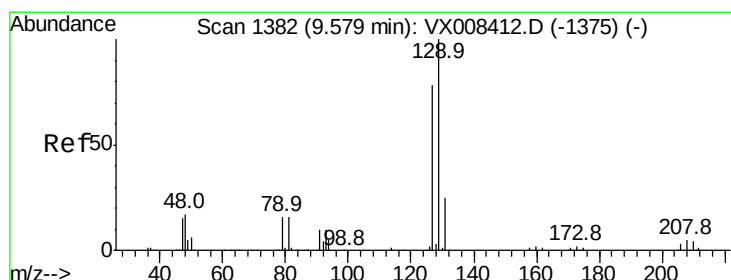
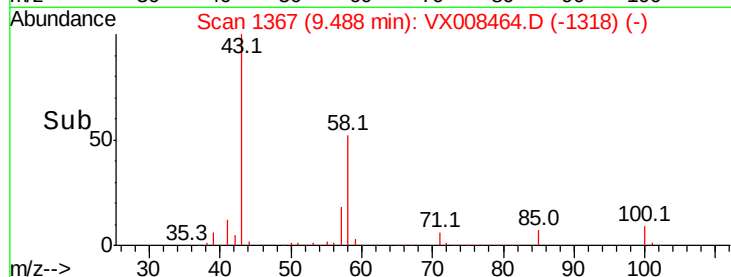
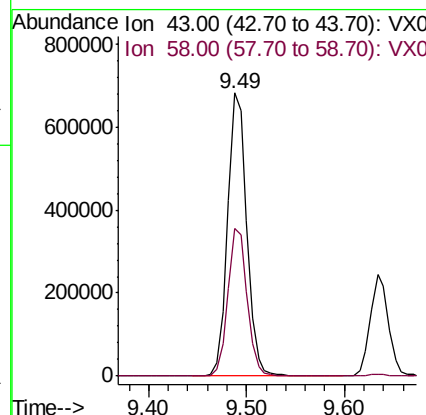
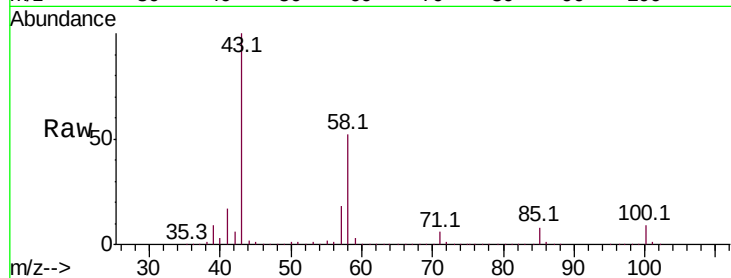
#59  
2-Hexanone  
Concen: 250.742 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-104MS

Tot Ion: 43 Resp: 925820  
Ion Ratio Lower Upper  
43 100  
58 52.6 26.3 78.9

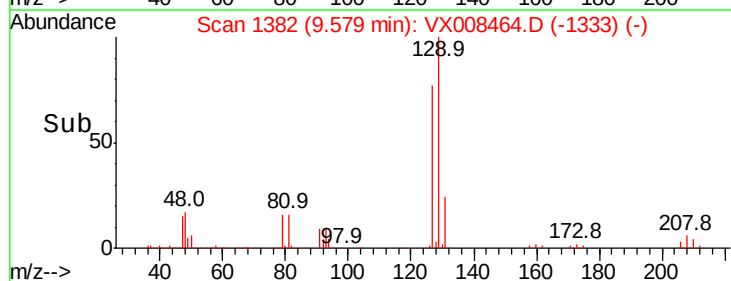
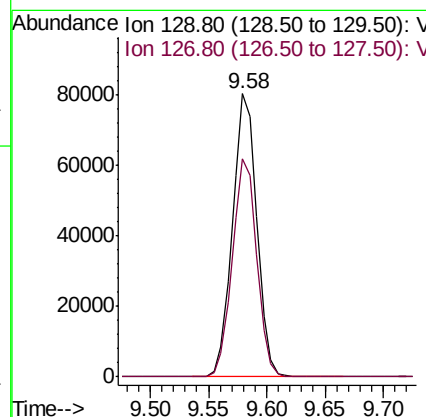
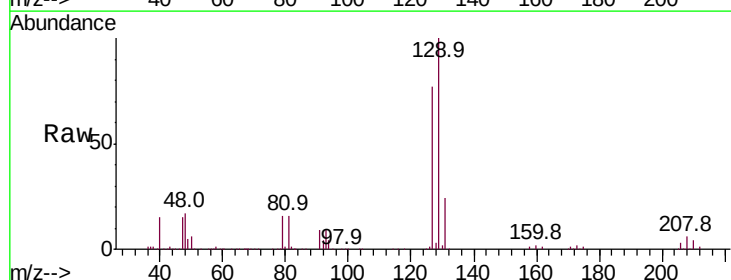
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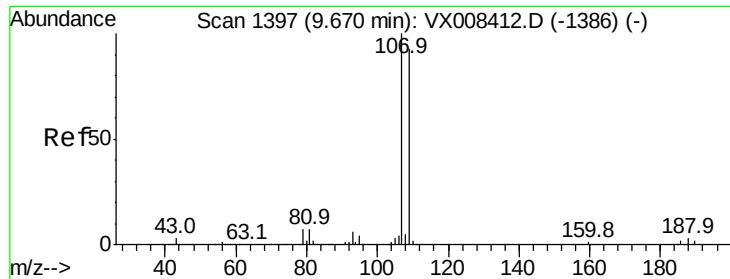
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 47.450 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion: 129 Resp: 116421  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 46.799 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 107 Resp: 123215

Ion Ratio Lower Upper

107 100

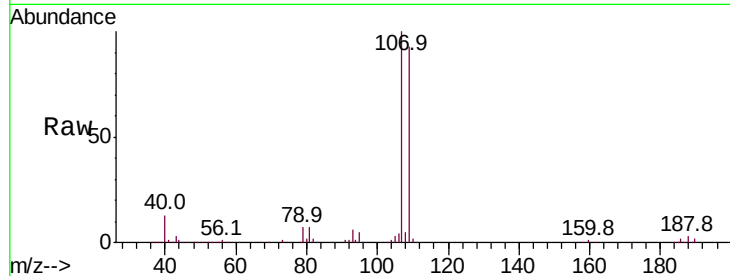
109 93.7 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

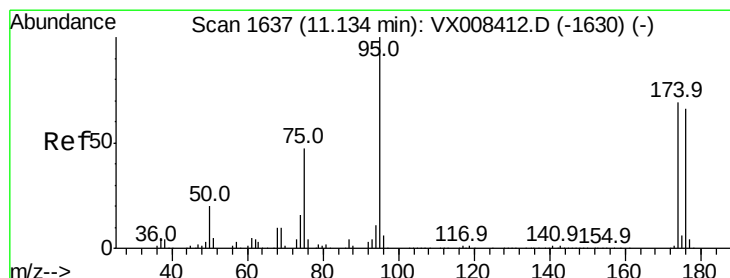
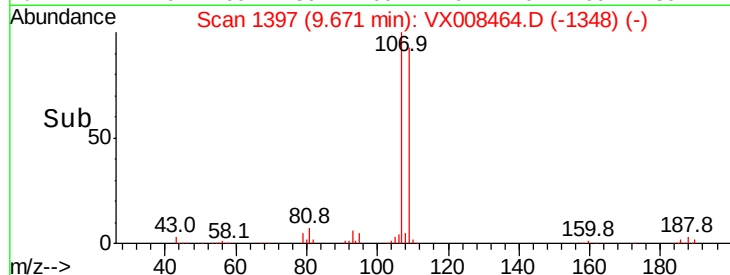
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 48.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

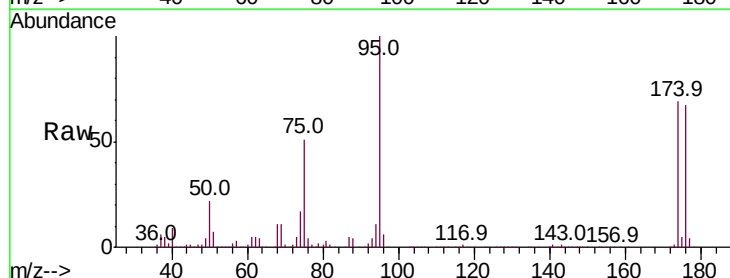
Tgt Ion: 95 Resp: 154299

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.2

176 72.1 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

150000

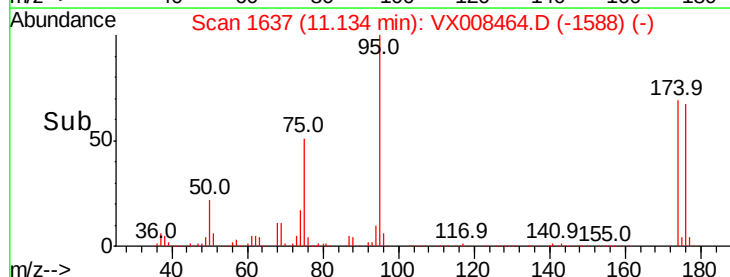
100000

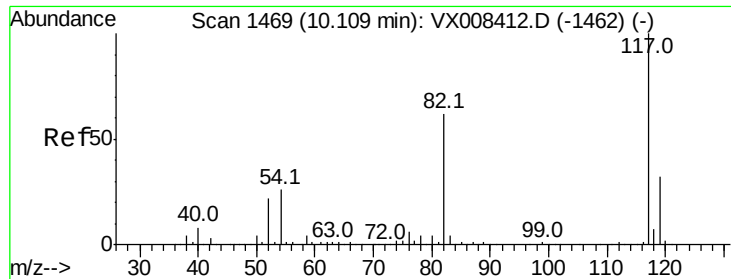
50000

0

Time-->

11.10 11.20





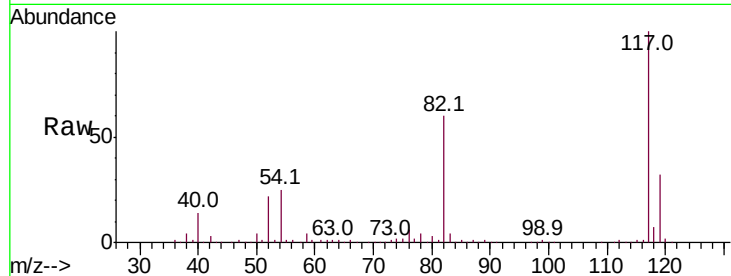
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 294292 |       |       |
| 82      | 60.5  | 49.4   | 74.2  |       |
| 119     | 32.2  | 25.4   | 38.0  |       |

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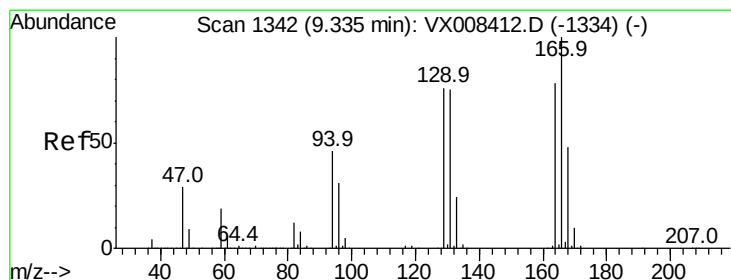
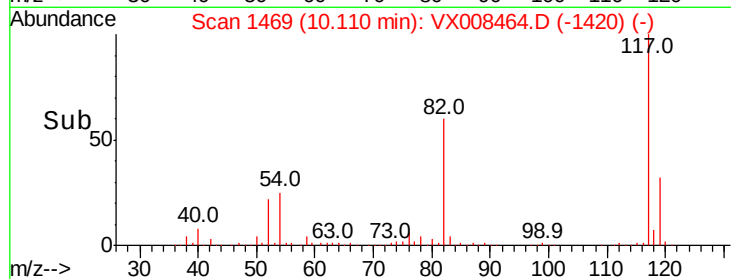
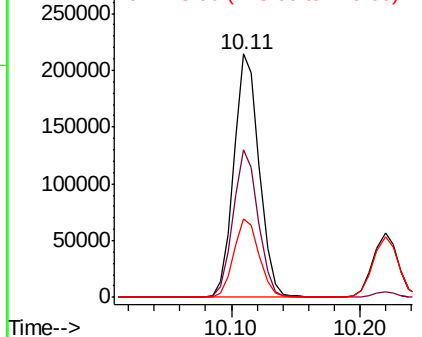


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 52.021 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 103644 |       |       |
| 166     | 128.6 | 102.5  | 153.7 |       |
| 129     | 97.1  | 77.8   | 116.8 |       |
| 131     | 92.2  | 76.9   | 115.3 |       |

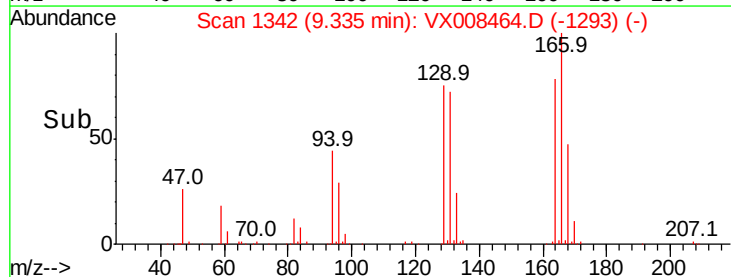
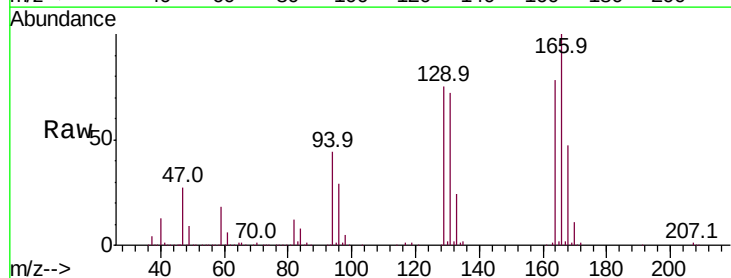
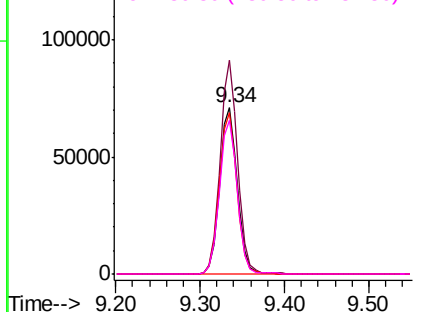
Abundance

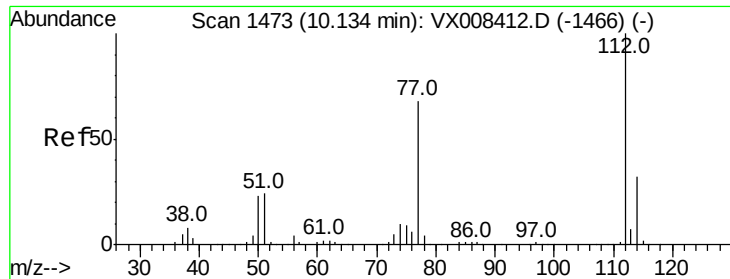
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





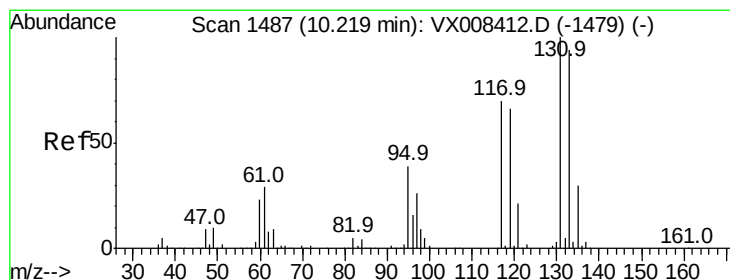
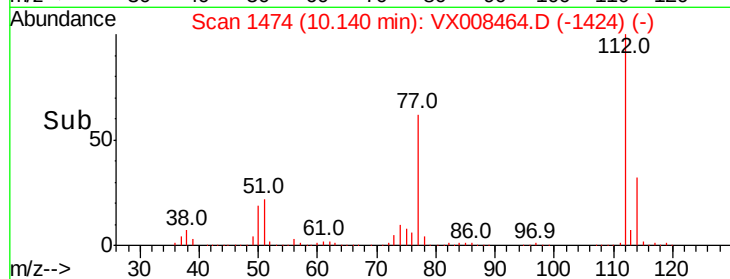
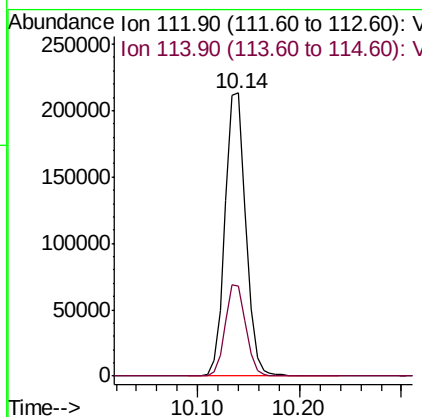
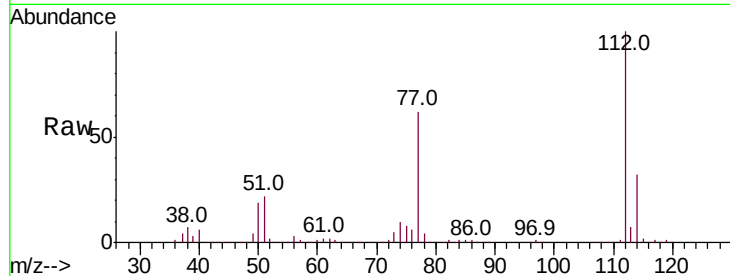
#65  
Chlorobenzene  
Concen: 47.007 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-104MS

Tot Ion:112 Resp: 300846  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.4 38.2

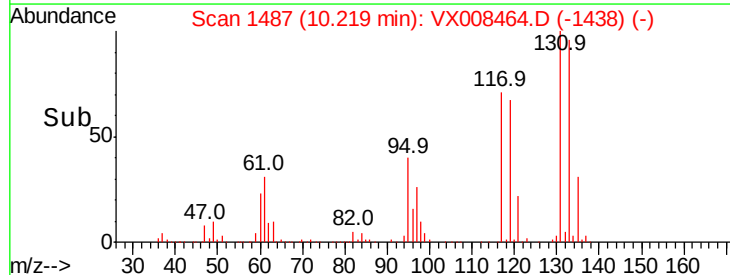
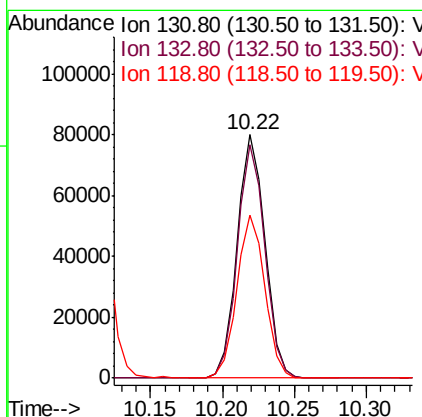
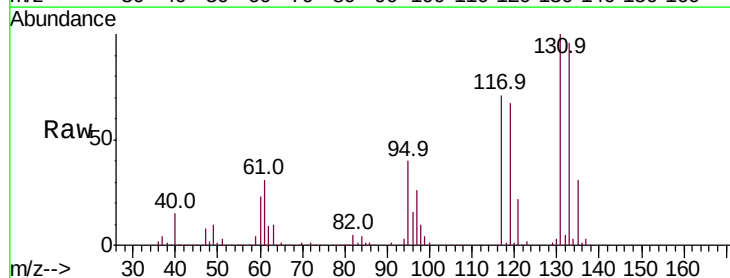
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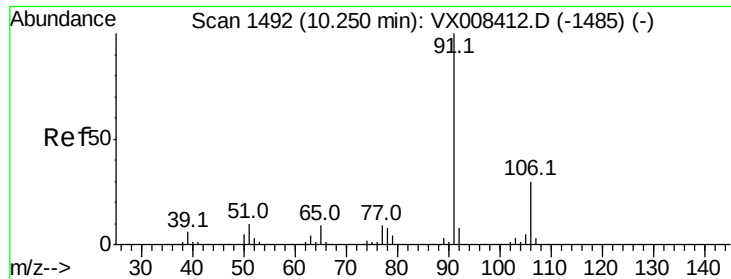
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.810 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion:131 Resp: 107774  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.3 141.8  
119 67.3 33.6 100.6





#67

Ethyl Benzene

Concen: 47.869 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampled :

MW-104MS

Tot Ion: 91 Resp: 578184

Ion Ratio Lower Upper

91 100

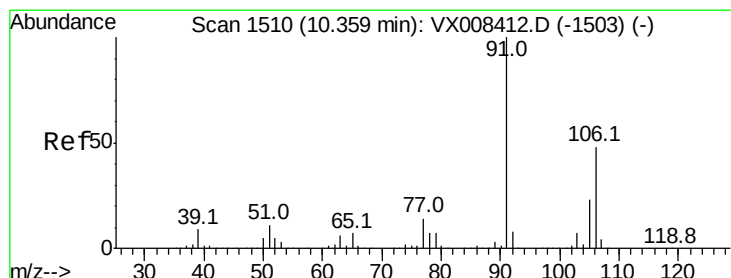
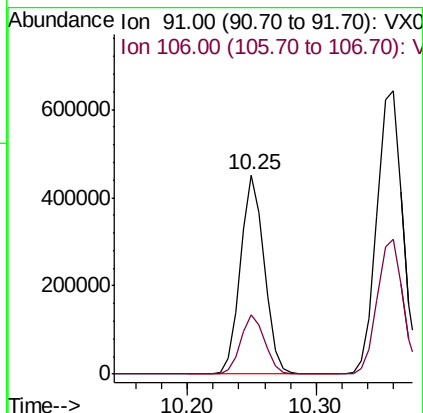
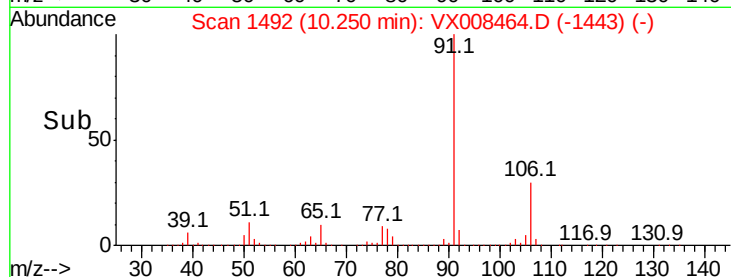
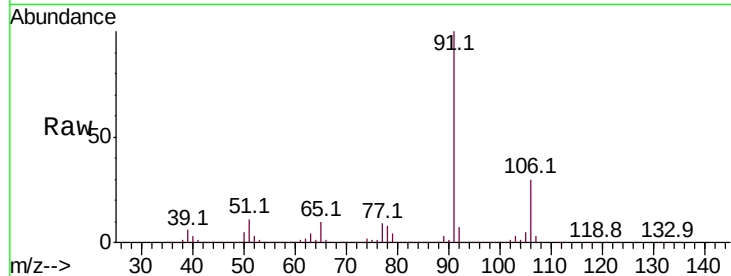
106 29.8 24.0 36.0

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#68

m/p-Xylenes

Concen: 95.245 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008464.D

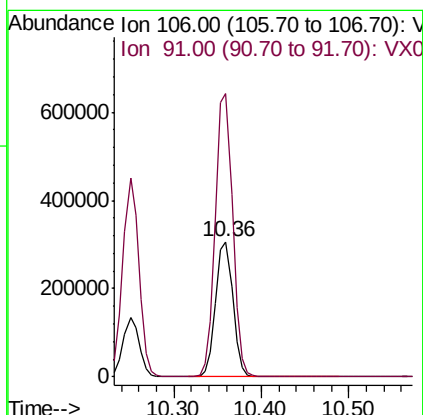
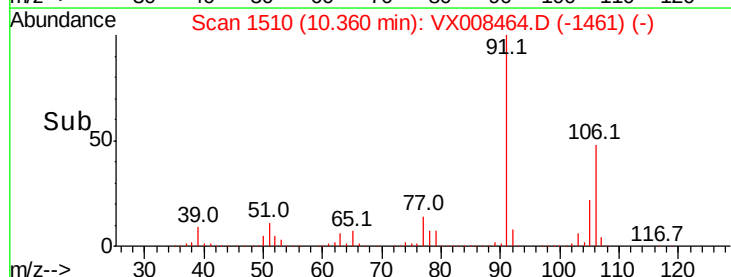
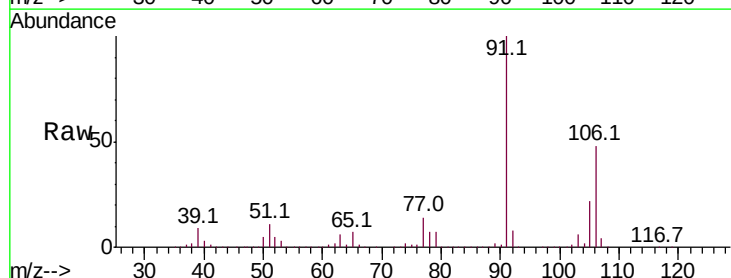
Acq: 26 Mar 2019 19:08

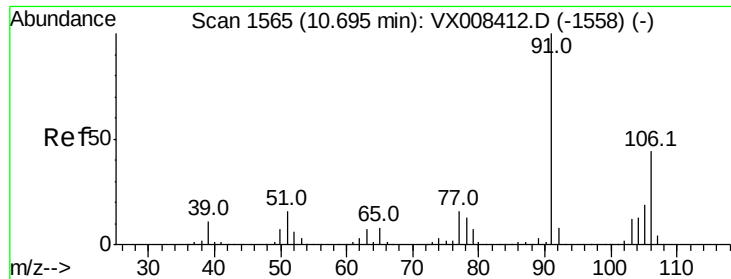
Tgt Ion: 106 Resp: 418518

Ion Ratio Lower Upper

106 100

91 210.4 168.6 253.0





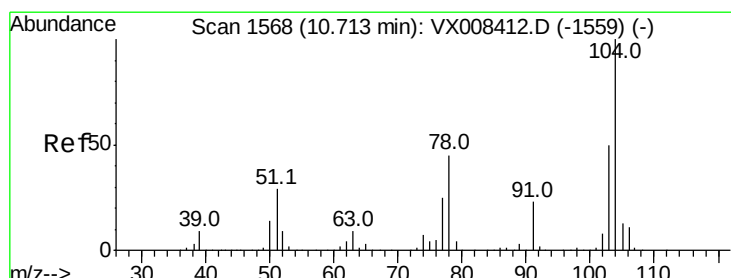
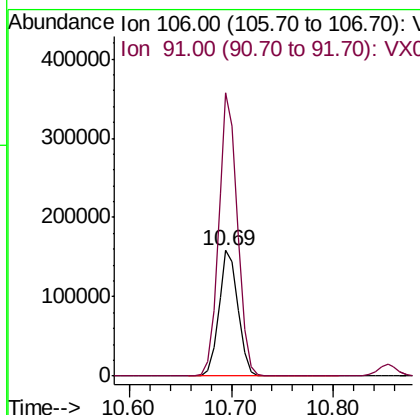
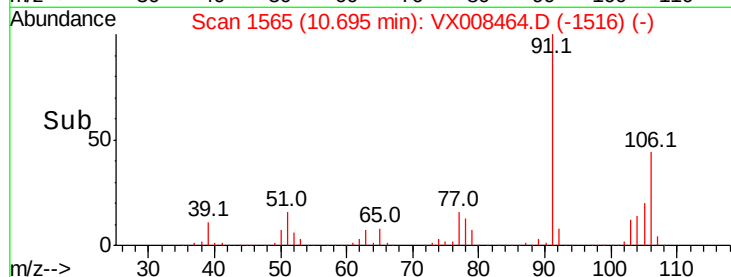
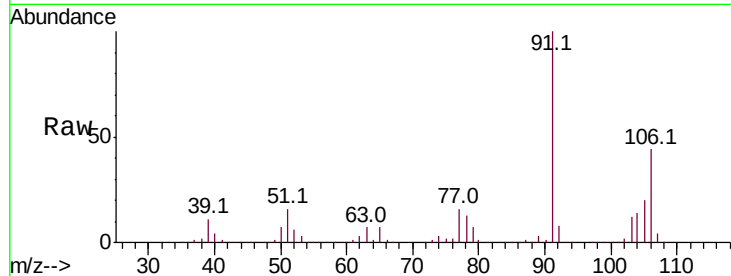
#69  
o-Xylene  
Concen: 48.664 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

Tot Ion:106 Resp: 207513  
Ion Ratio Lower Upper  
106 100  
91 221.7 111.4 334.2

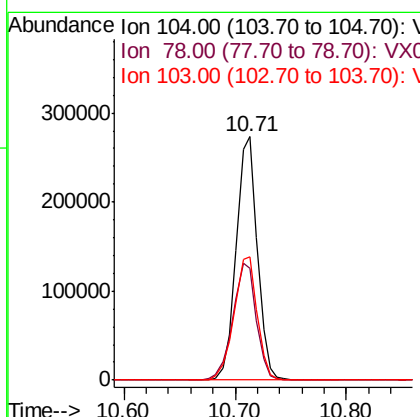
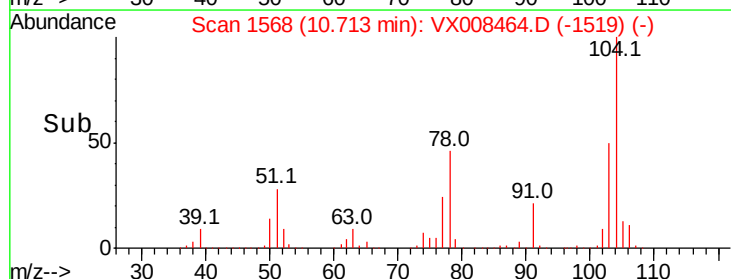
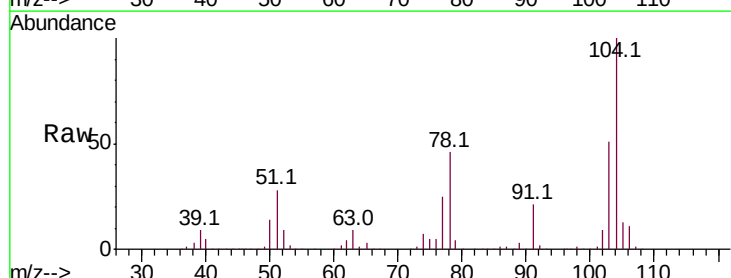
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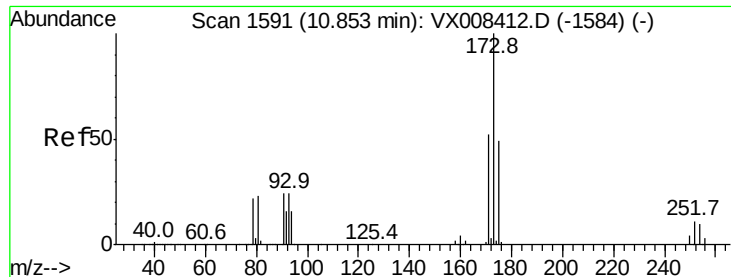


#70  
Styrene  
Concen: 48.853 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Tgt Ion:104 Resp: 359840  
Ion Ratio Lower Upper  
104 100  
78 53.1 42.5 63.7  
103 55.4 44.2 66.4







#71

Bromoform

Concen: 48.625 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion:173 Resp: 84790

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

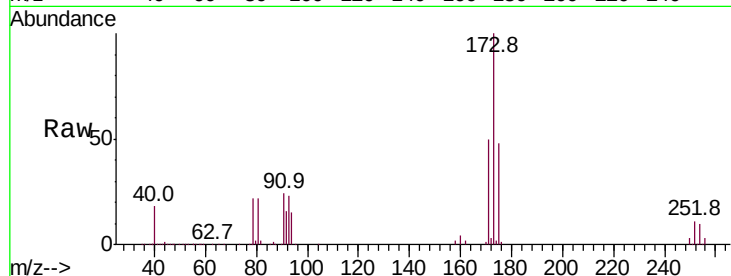
254 0.2 0.2 0.2#

Manual Integrations

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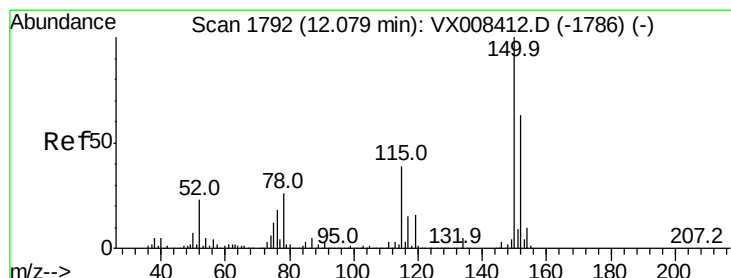
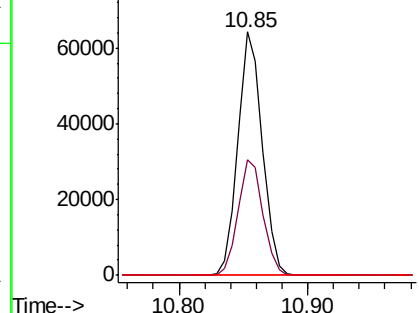
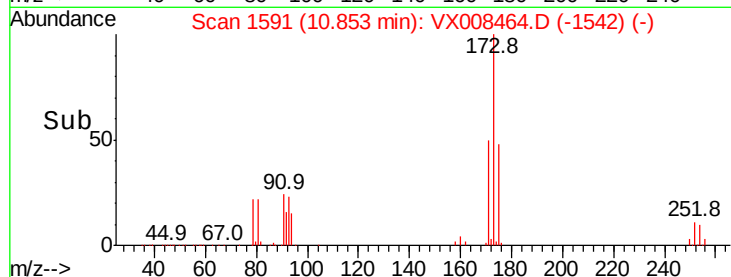
3/27/2019 10:41:52 AM



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: VX008464.D

Acq: 26 Mar 2019 19:08

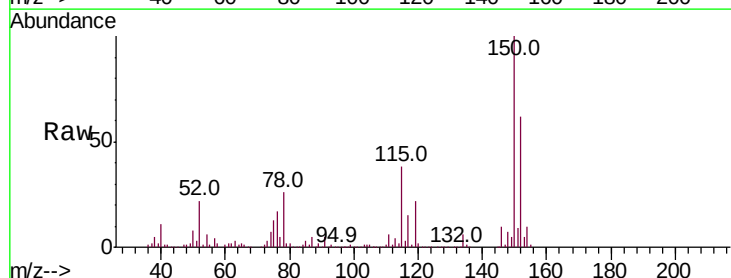
Tgt Ion:152 Resp: 140189

Ion Ratio Lower Upper

152 100

115 85.1 43.5 130.5

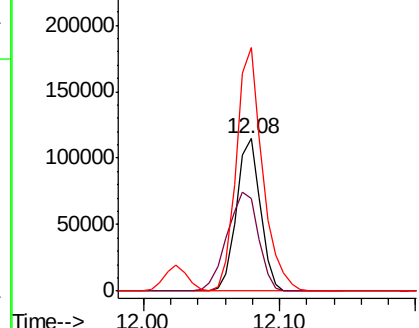
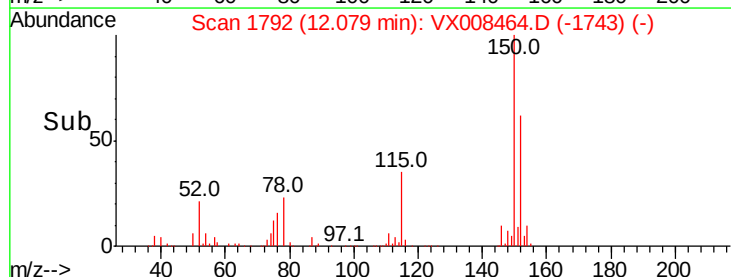
150 175.1 0.0 348.8

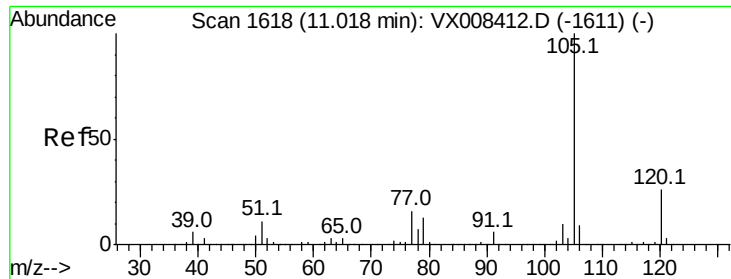


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.126 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 105 Resp: 537478

Ion Ratio Lower Upper

105 100

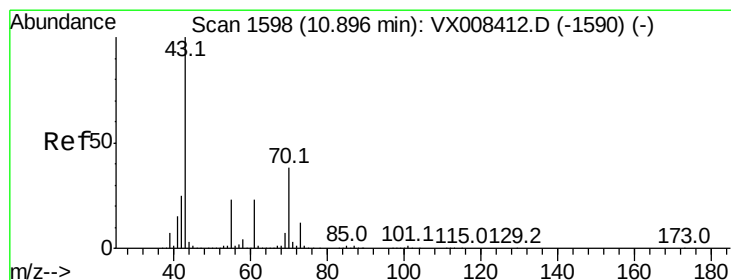
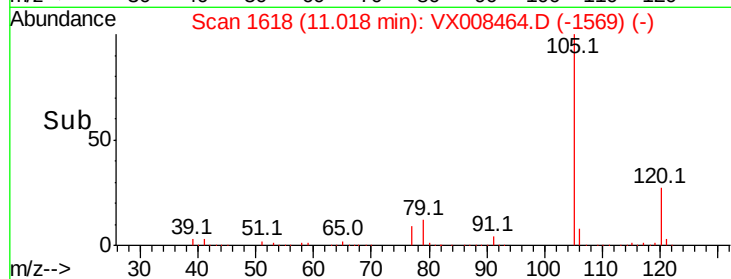
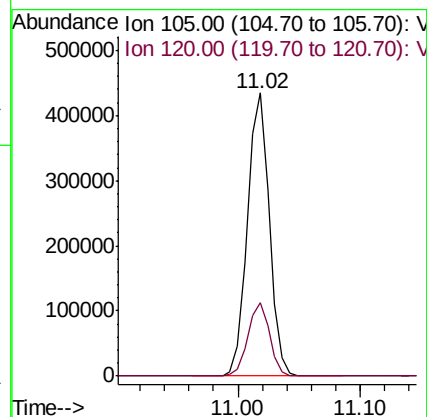
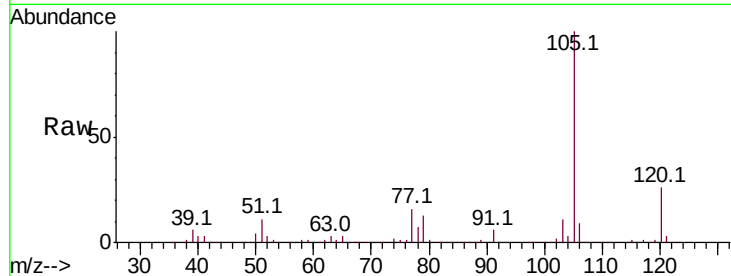
120 25.8 12.9 38.7

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#74

N-ethyl acetate

Concen: 46.422 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Tgt Ion: 43 Resp: 306449

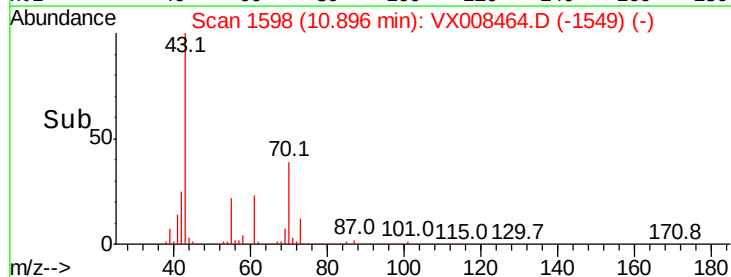
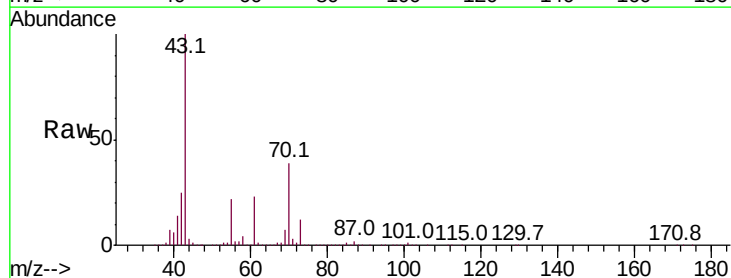
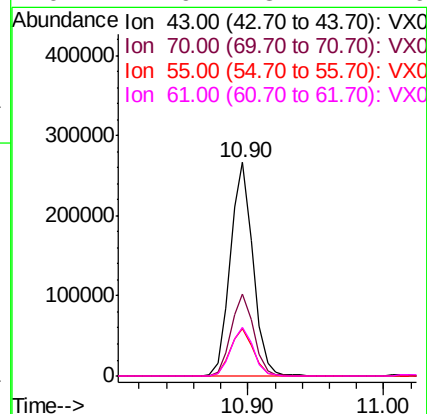
Ion Ratio Lower Upper

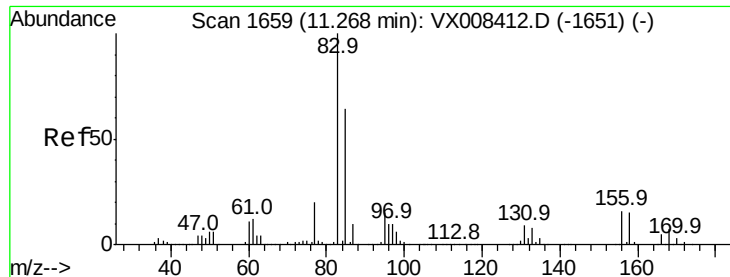
43 100

70 38.6 30.5 45.7

55 22.7 18.2 27.2

61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.865 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 83 Resp: 211808

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

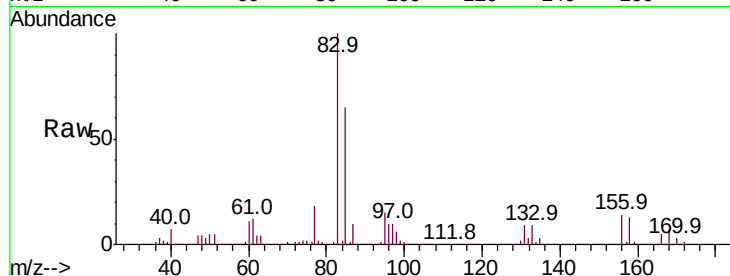
85 63.7 31.9 95.9

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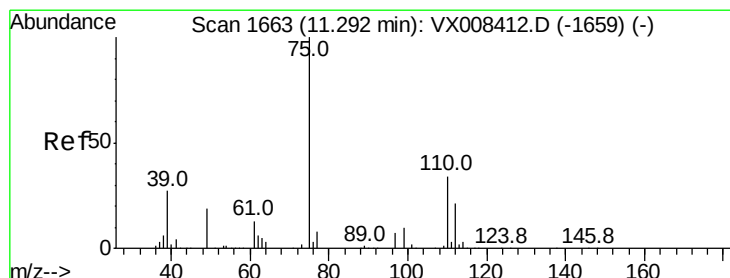
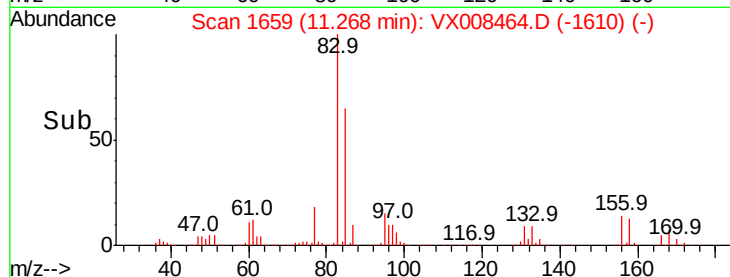
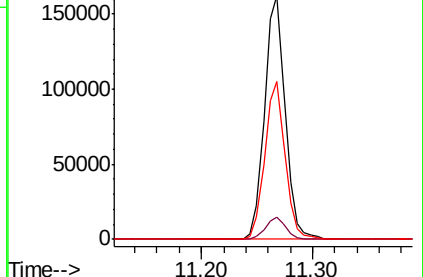
3/27/2019 10:41:52 AM



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: 39.258 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008464.D

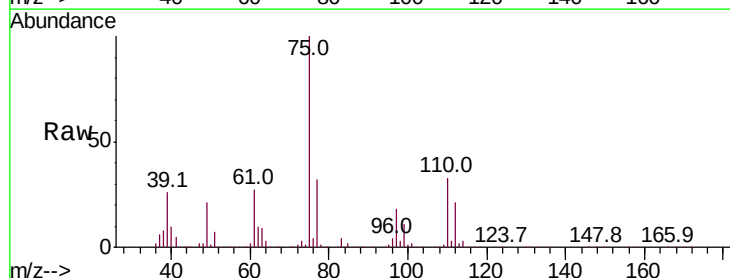
Acq: 26 Mar 2019 19:08

Tgt Ion: 75 Resp: 163615

Ion Ratio Lower Upper

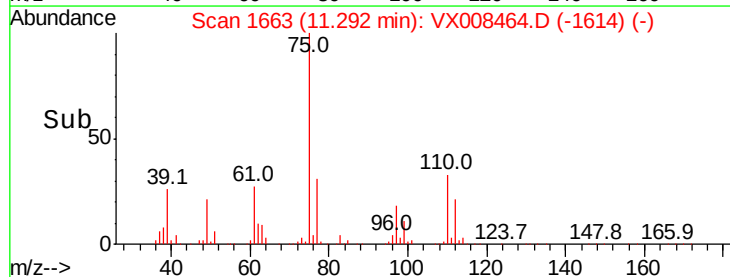
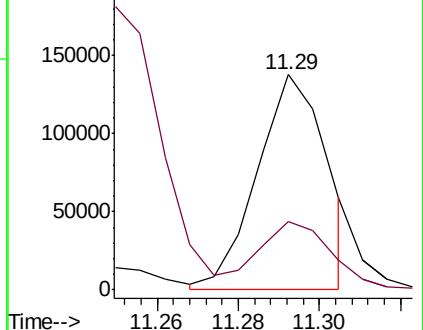
75 100

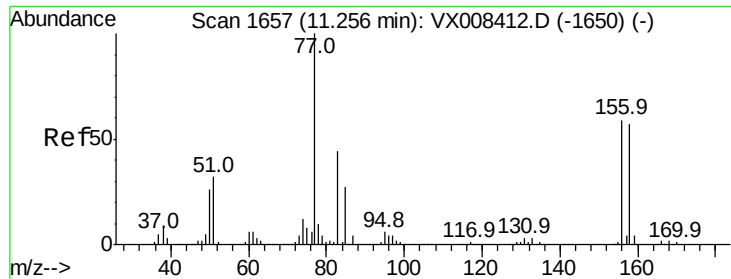
77 34.1 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.237 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

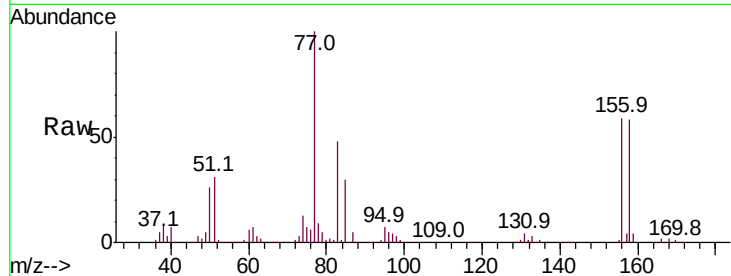
ClientSampleId :

MW-104MS

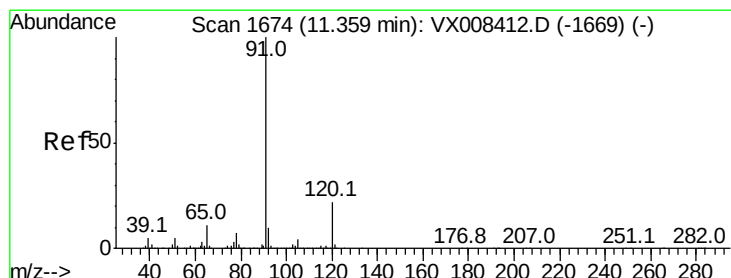
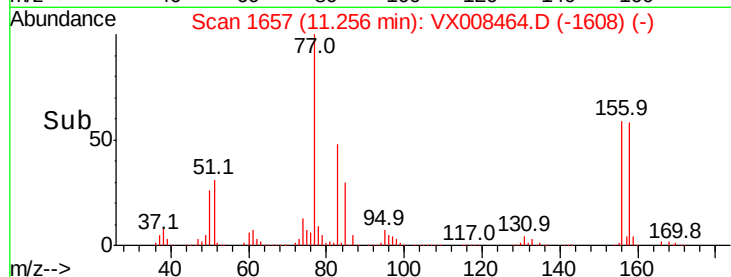
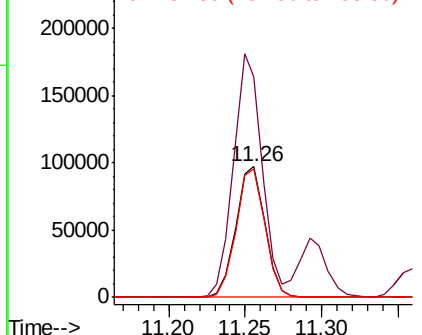
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 127984 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 182.8 | 91.1  | 273.3  |
| 158       | 97.7  | 48.3  | 144.8  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.656 ug/l

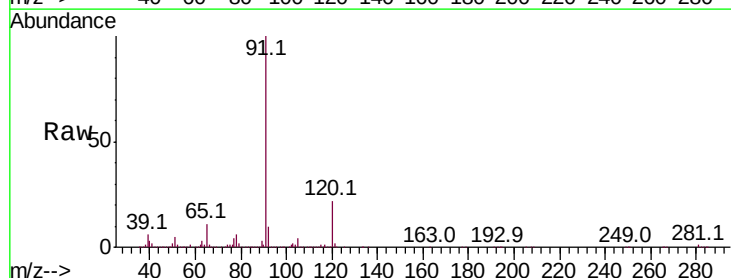
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

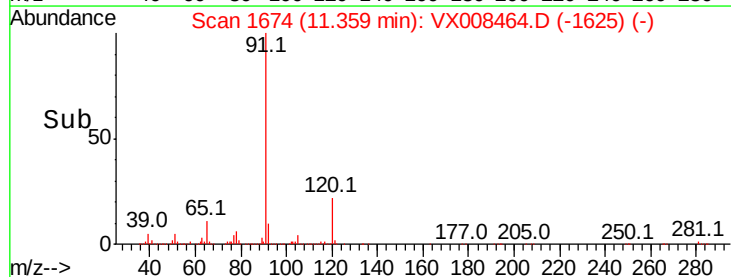
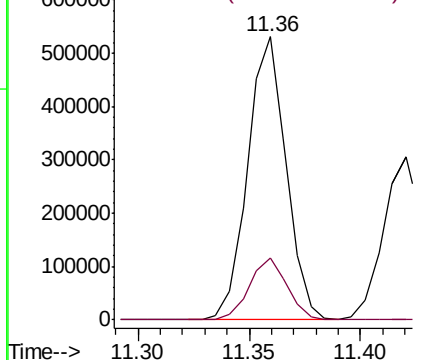
Lab File: VX008464.D

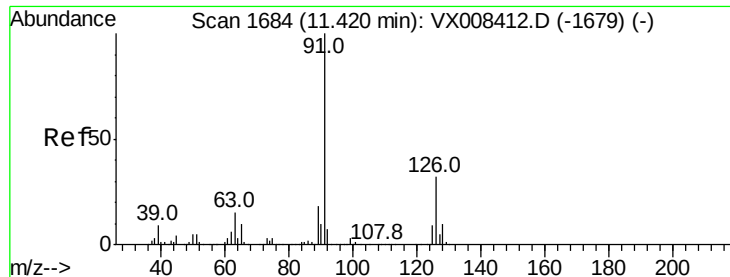
Acq: 26 Mar 2019 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 636698 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.5  | 10.8  | 32.4   |



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.787 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-104MS

Tot Ion: 91 Resp: 380201

Ion Ratio Lower Upper

91 100

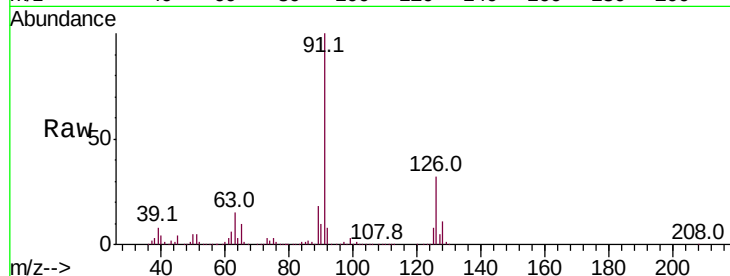
126 31.5 15.7 47.1

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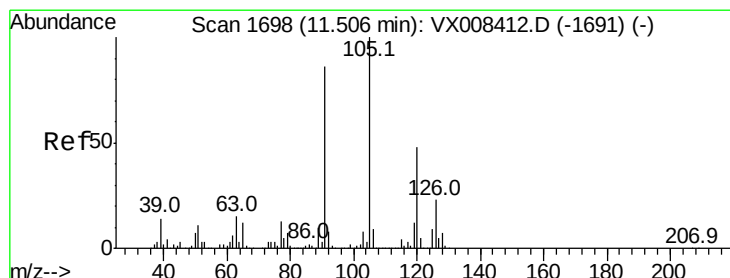
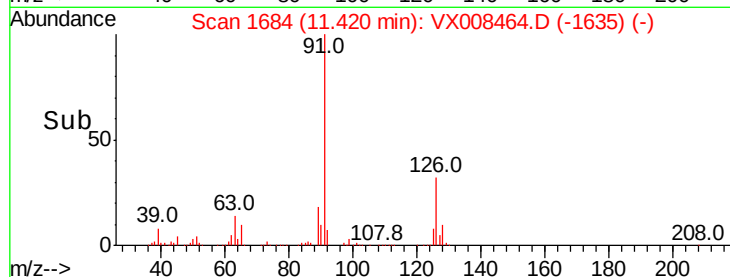
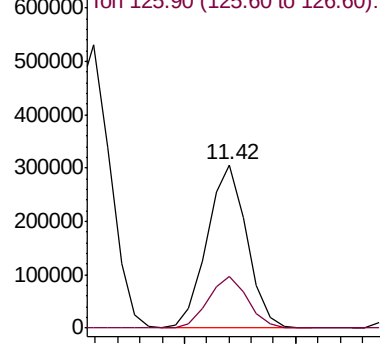
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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.328 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008464.D

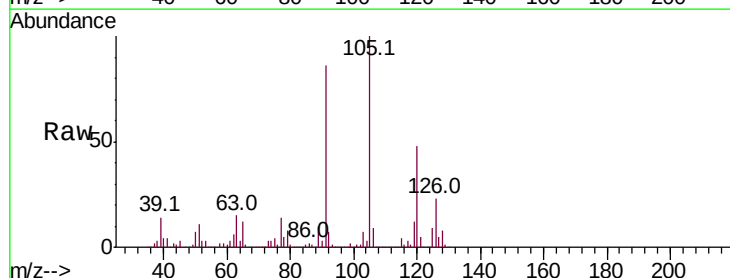
Acq: 26 Mar 2019 19:08

Tgt Ion: 105 Resp: 456340

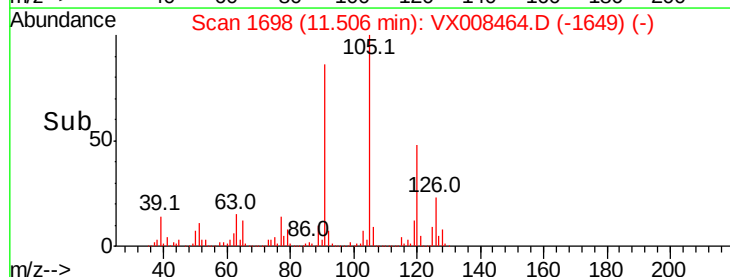
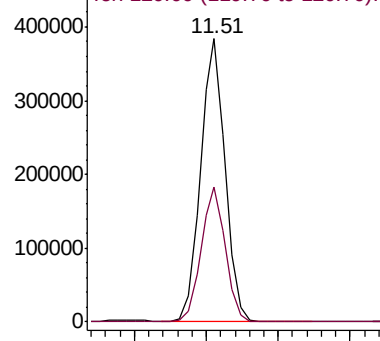
Ion Ratio Lower Upper

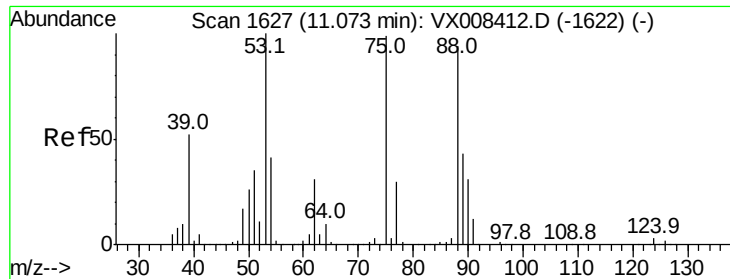
105 100

120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.968 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

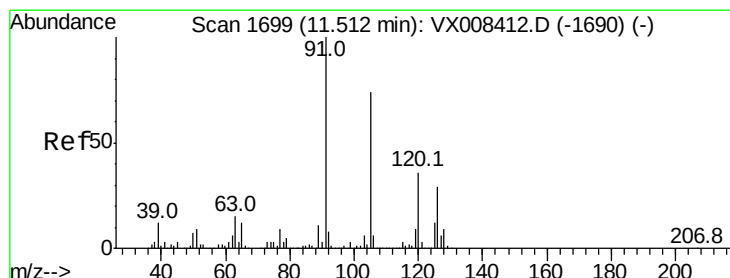
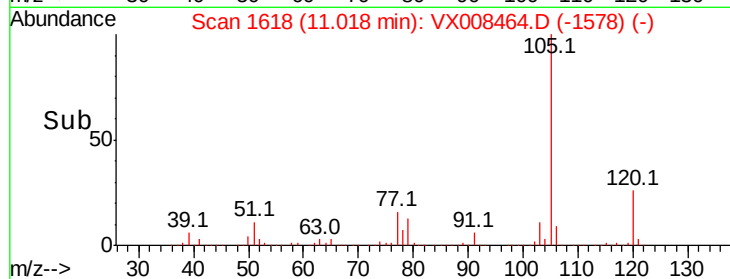
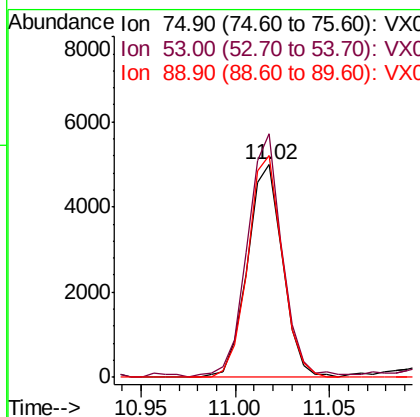
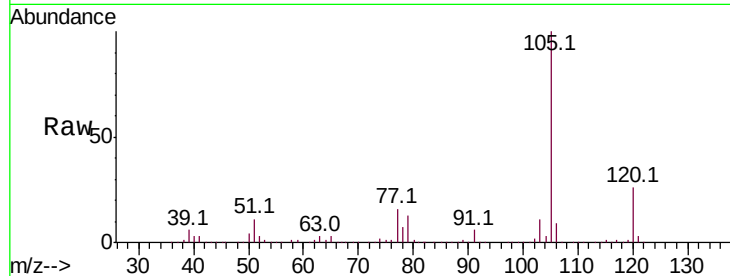
ClientSampleId :

MW-104MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 6464  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 114.8 | 82.1  | 123.1 |
| 89       | 101.9 | 34.6  | 52.0# |

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#82

4-Chlorotoluene

Concen: 46.625 ug/l

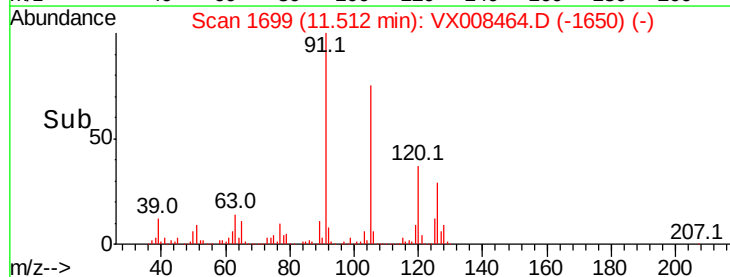
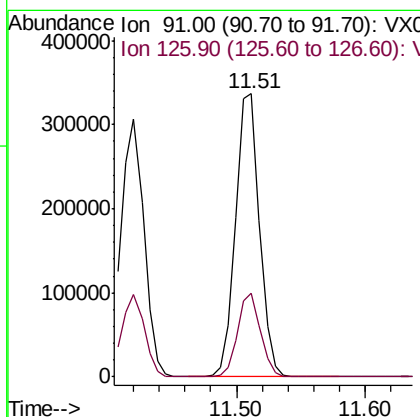
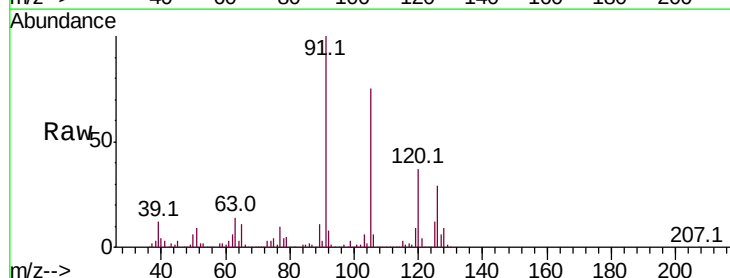
RT: 11.51 min Scan# 1699

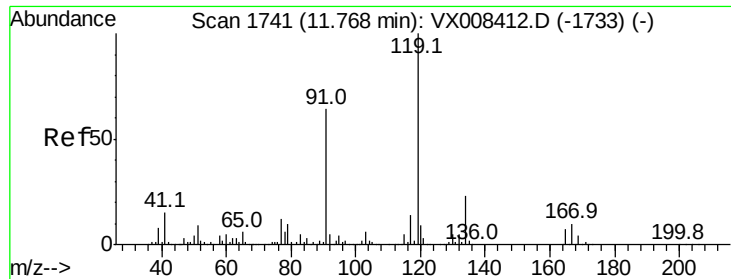
Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 437045 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.2  | 13.9  | 41.7   |





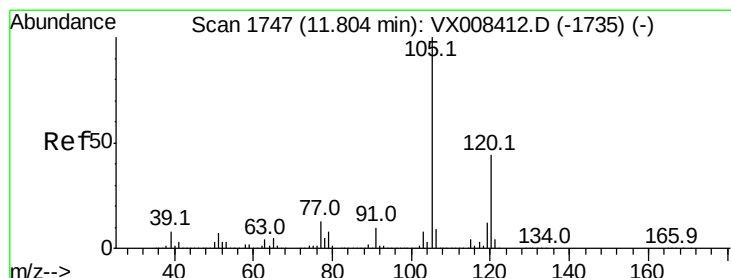
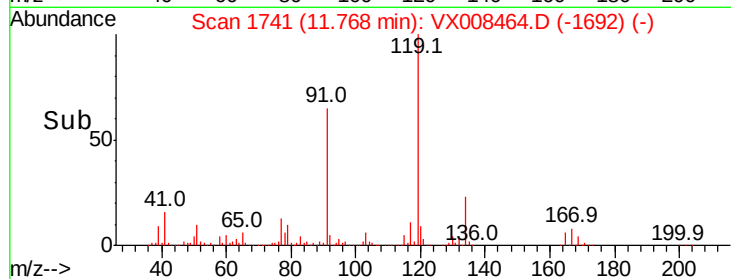
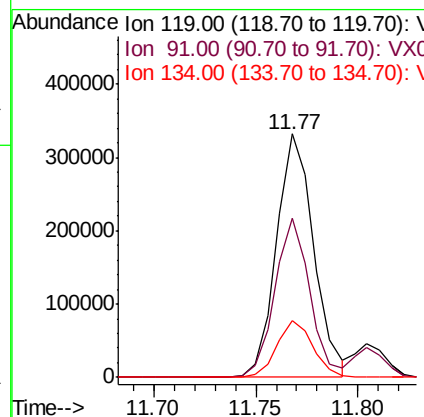
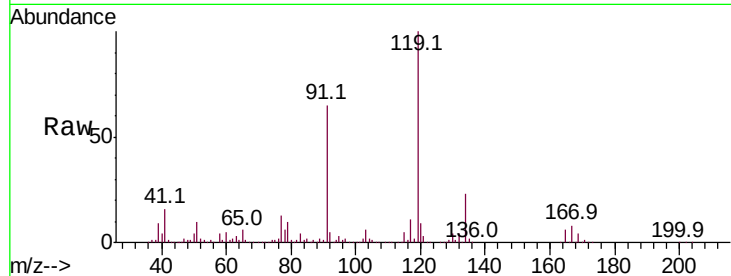
#83  
 tert-Butylbenzene  
 Concen: 45.509 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-104MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 423358 |       |       |
| 91      | 61.1  | 30.1   | 90.3  |       |
| 134     | 22.4  | 10.9   | 32.9  |       |

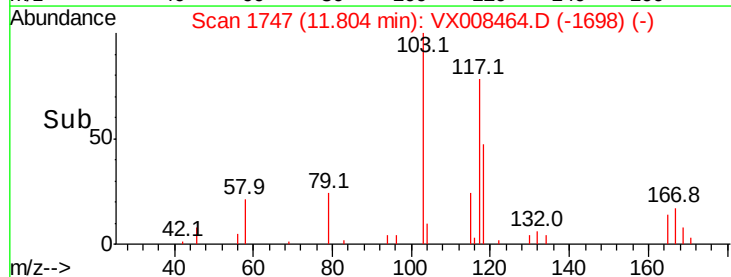
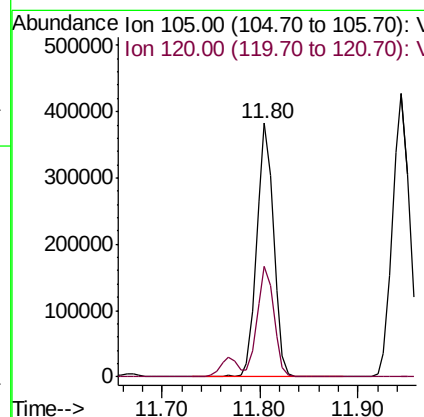
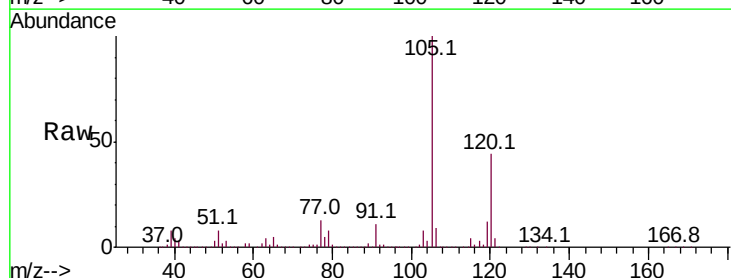
Manual Integrations  
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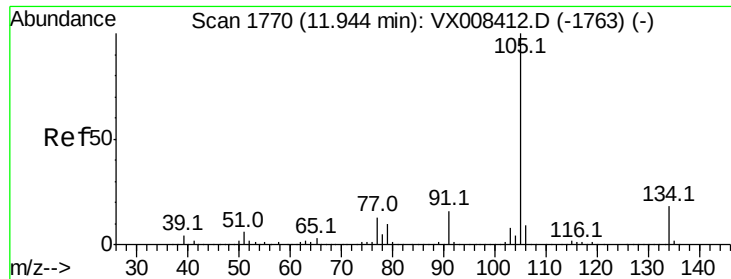
MMDadoda  
 3/27/2019 10:41:52 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.840 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 456811 |       |       |
| 120     | 42.7  | 21.6   | 65.0  |       |





#85

sec-Butylbenzene

Concen: 46.808 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA\_X

ClientSampled :

MW-104MS

Tot Ion:105 Resp: 518545

Ion Ratio Lower Upper

105 100

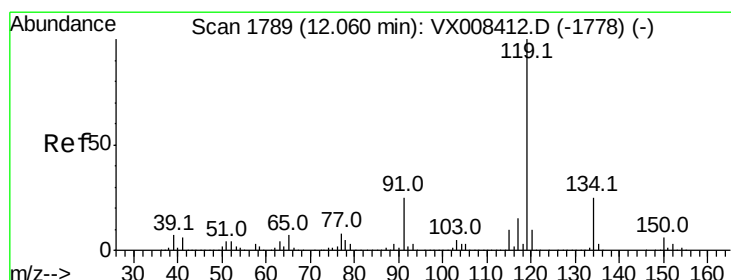
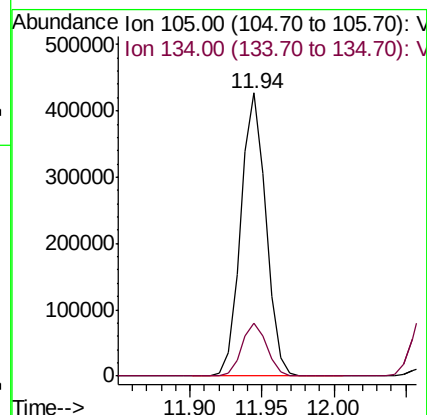
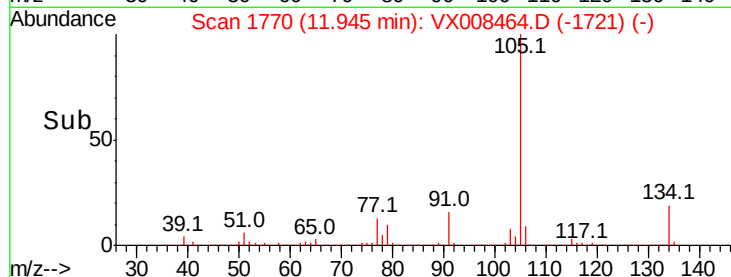
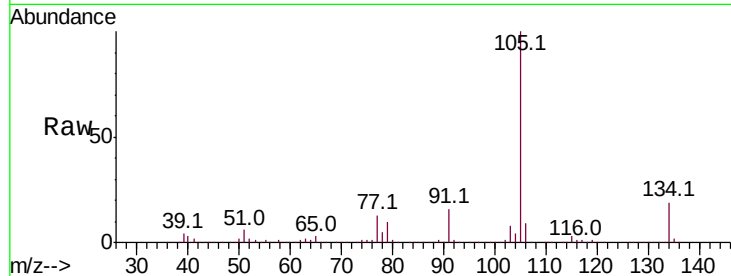
134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 47.517 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

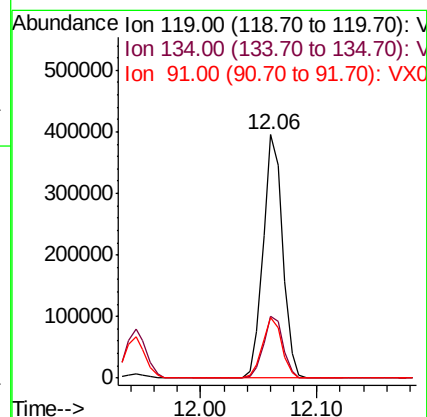
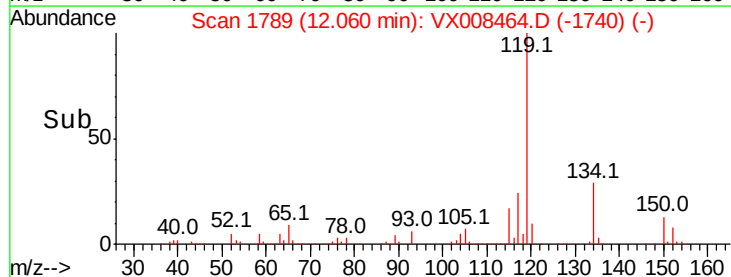
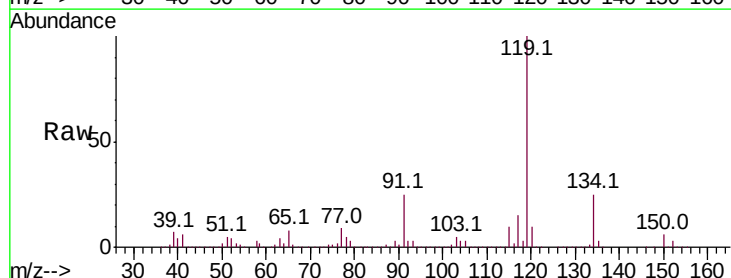
Tgt Ion:119 Resp: 464494

Ion Ratio Lower Upper

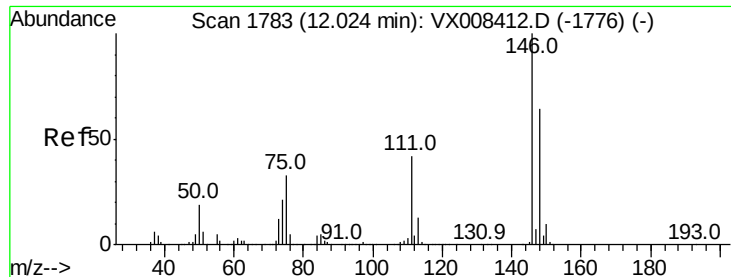
119 100

134 25.7 12.8 38.4

91 24.7 12.4 37.0







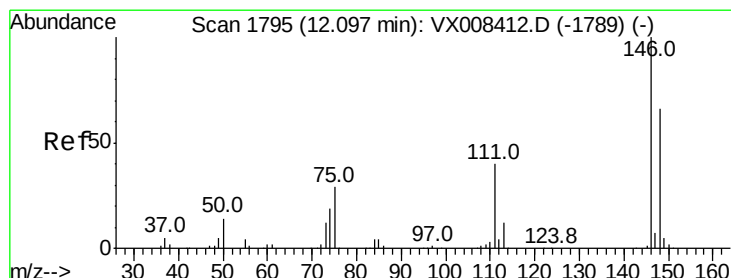
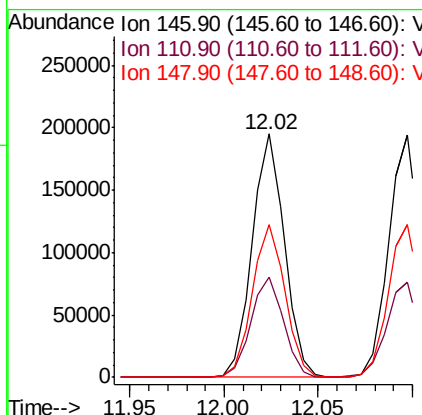
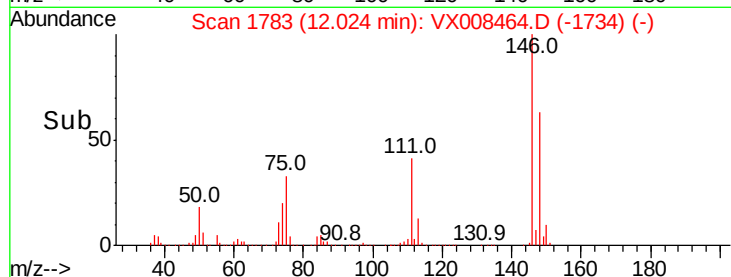
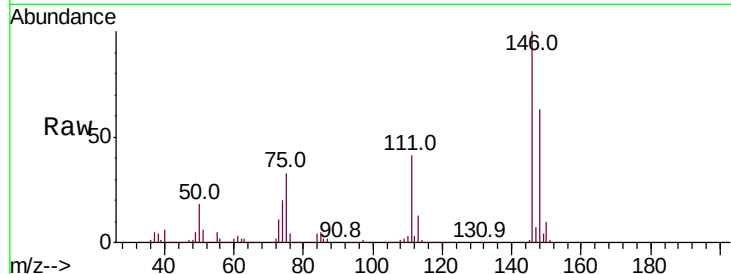
#87  
 1,3-Dichlorobenzene  
 Concen: 46.864 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 20.8  | 62.5  |
| 148     | 63.3  | 32.0  | 96.0  |

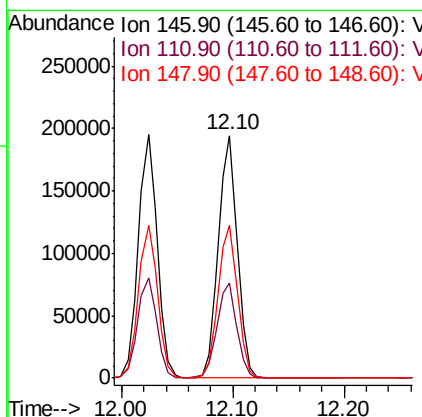
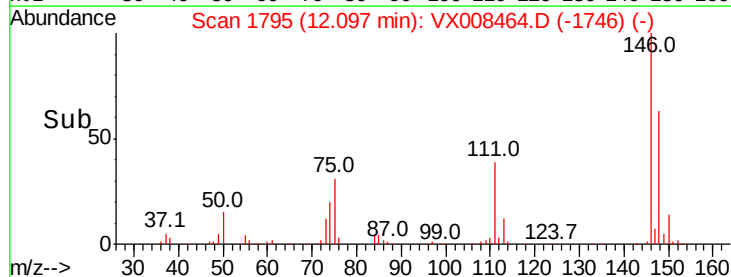
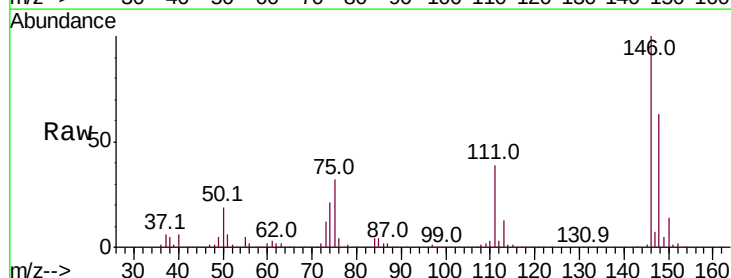
Manual Integrations  
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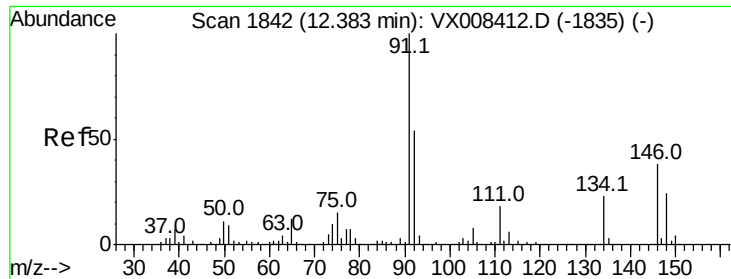
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 46.347 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.3  | 61.0  |
| 148     | 64.1  | 32.1  | 96.5  |





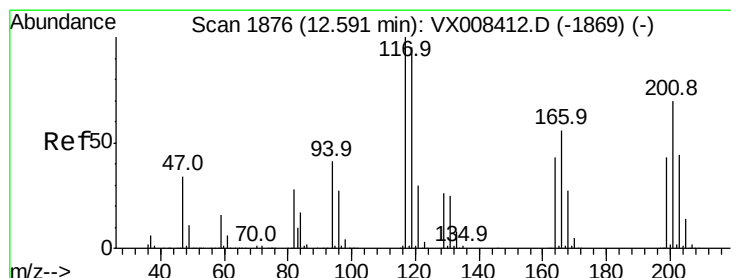
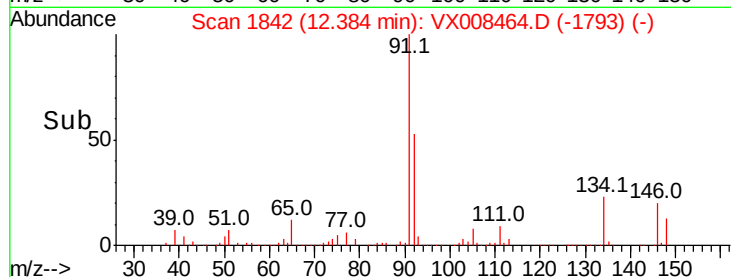
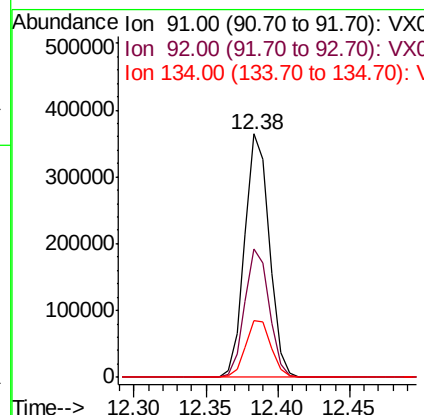
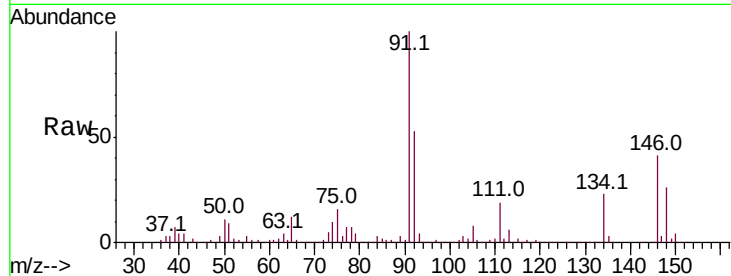
#89  
n-Butylbenzene  
Concen: 46.743 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleID :  
MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.5  | 79.5  |
| 134     | 24.0  | 11.8  | 35.4  |

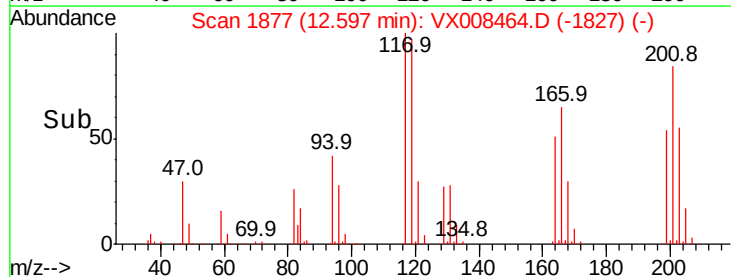
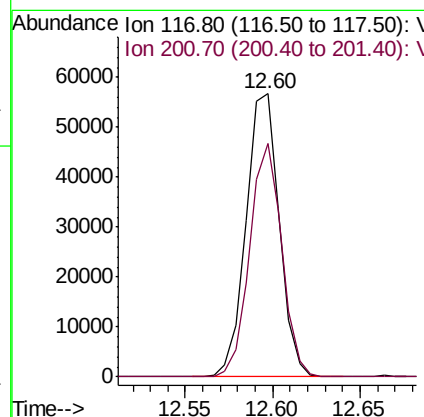
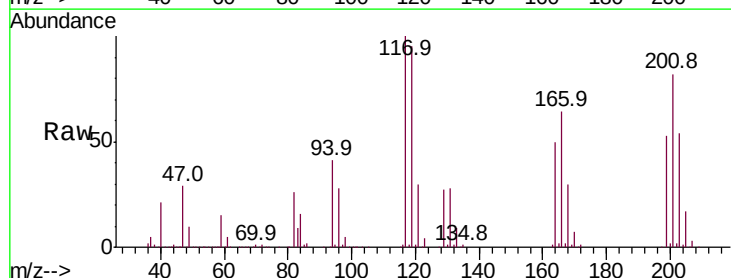
Manual Integrations  
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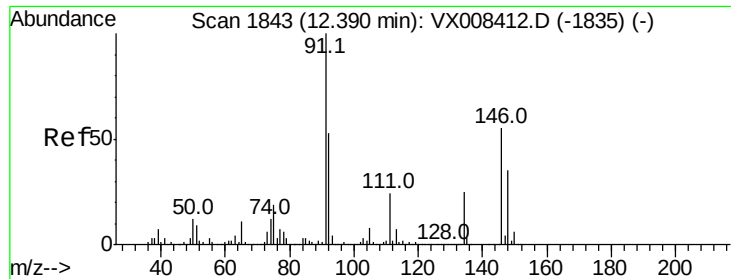
MMDadoda  
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#90  
Hexachloroethane  
Concen: 45.947 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.01 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.4  | 39.4  | 118.1 |





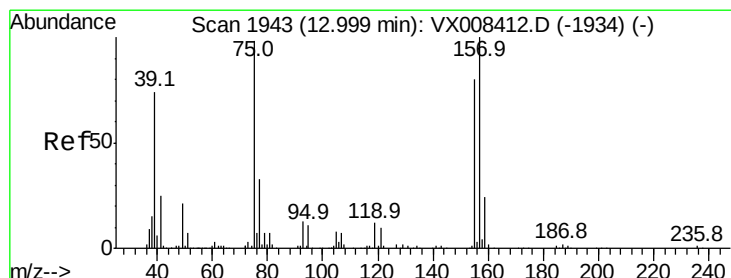
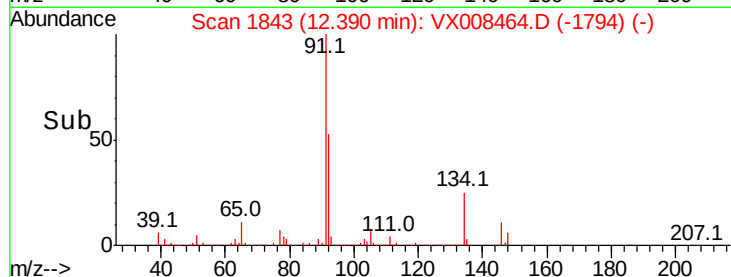
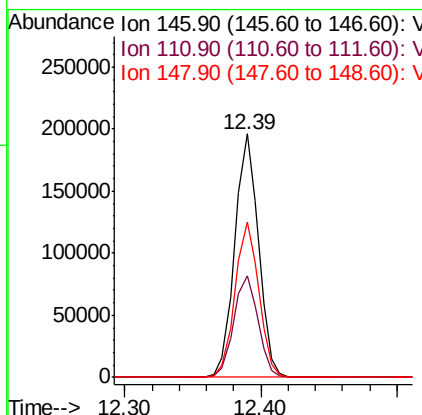
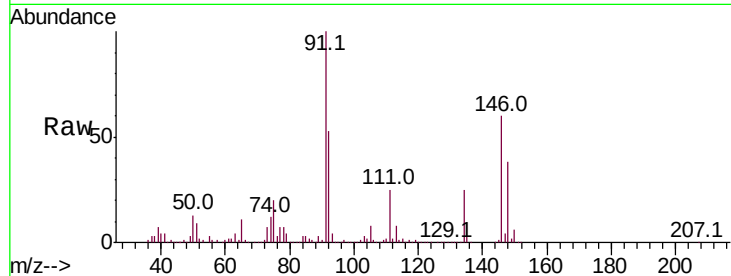
#91  
 1,2-Dichlorobenzene  
 Concen: 47.895 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 21.6  | 64.6  |
| 148     | 64.1  | 31.9  | 95.7  |

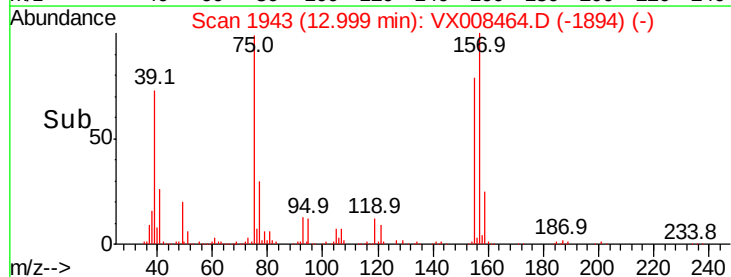
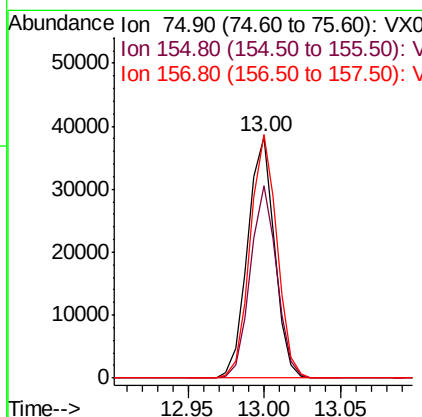
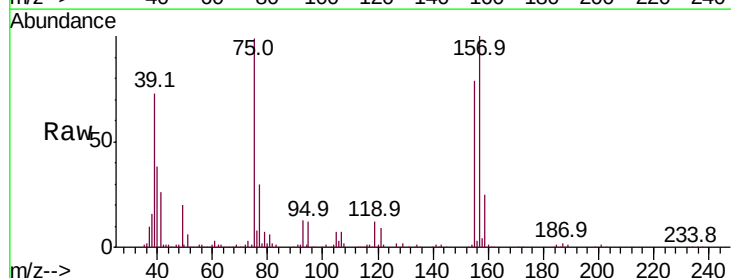
Manual Integrations  
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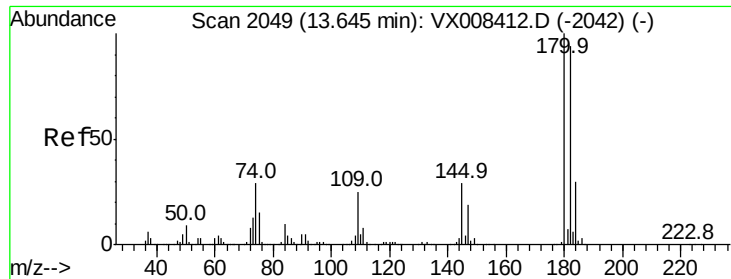
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.544 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.4  | 39.5  | 118.5 |
| 157     | 100.4 | 49.9  | 149.7 |





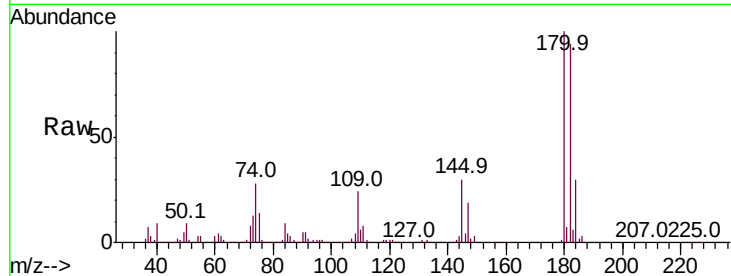
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.389 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-104MS

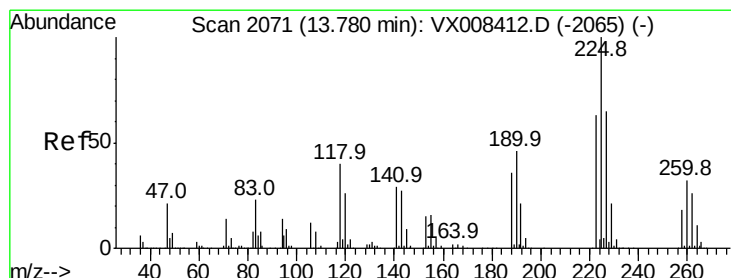
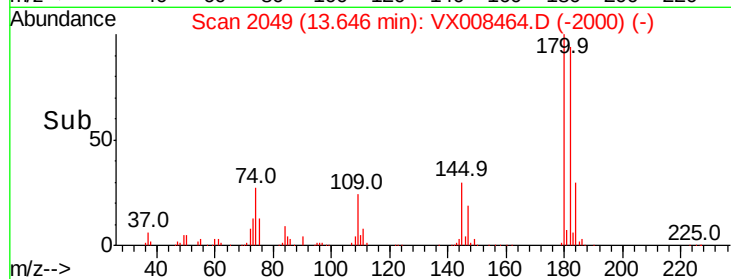
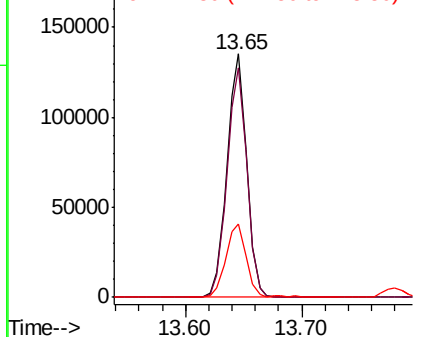
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.4  | 47.3 | 142.0 |       |
| 145     | 31.8  | 15.3 | 45.8  |       |

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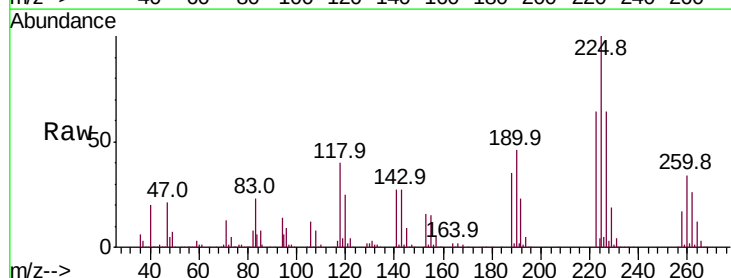


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

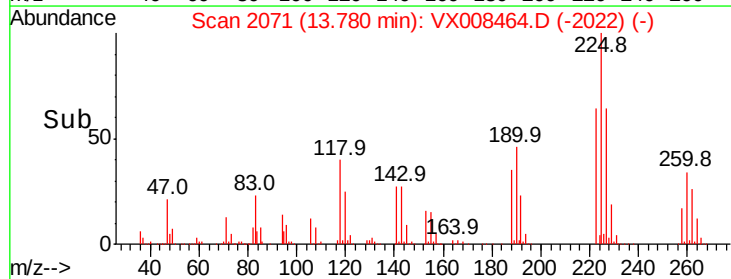
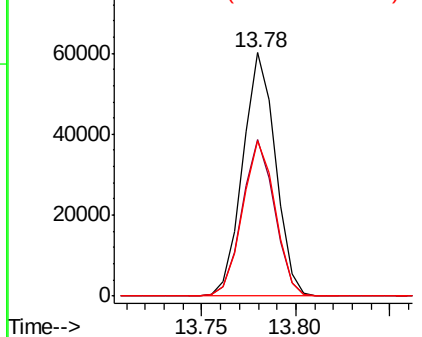


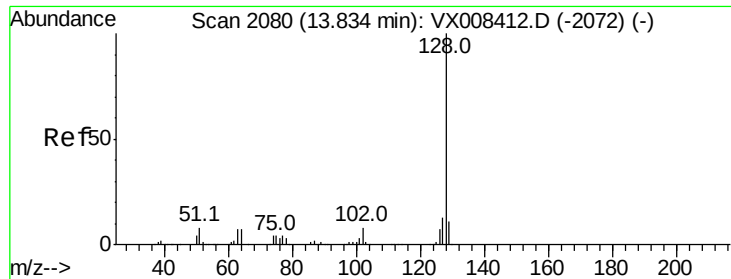
#94  
 Hexachlorobutadiene  
 Concen: 45.706 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX008464.D  
 Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.6  | 31.4 | 94.0  |       |
| 227     | 63.7  | 31.9 | 95.9  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





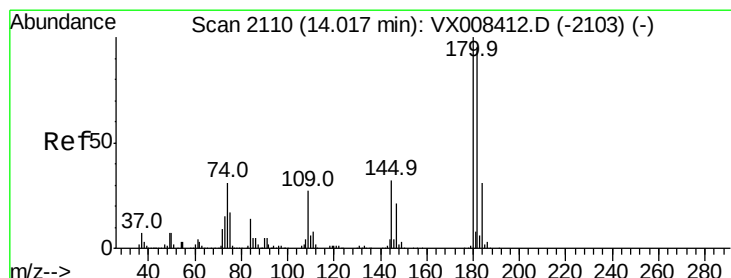
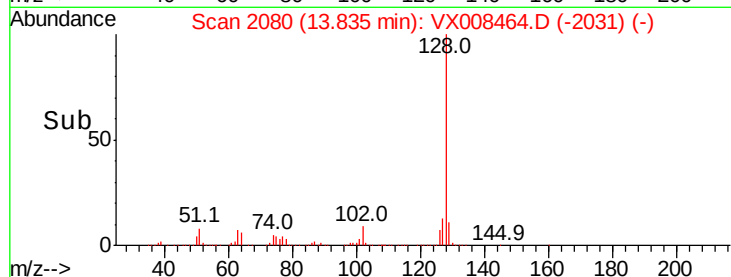
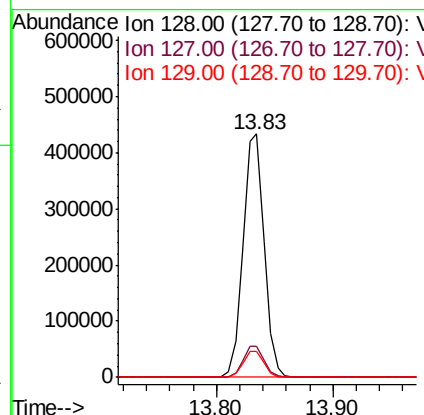
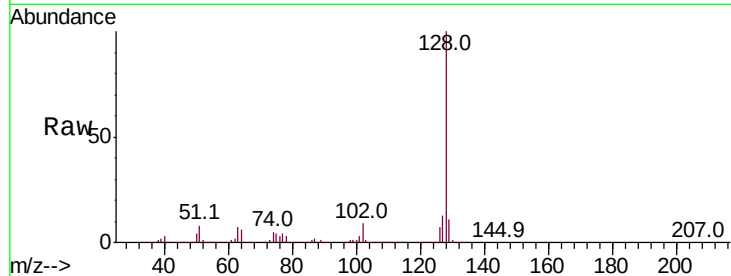
#95  
Naphthalene  
Concen: 47.696 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.9  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 47.274 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: VX008464.D  
Acq: 26 Mar 2019 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.3  | 142.0 |
| 145     | 33.5  | 16.2  | 48.5  |

