

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\  
 Data File : VX009172.D  
 Acq On : 25 Apr 2019 19:03  
 Operator : JC/SP  
 Sample : K2535-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

Manual Integrations  
 APPROVED

MMdadoda  
 4/26/2019 10:05:26 AM

Quant Time: Apr 26 07:34:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:47:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 189517   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 314293   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 283979   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 135900   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 126690   | 47.43 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.86% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 92925    | 46.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.14% |      |
| 50) Toluene-d8            | 8.71   | 98  | 366117   | 45.51 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.02% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 135366   | 47.67 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.34% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 107890  | 49.426  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 133105  | 49.668  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 125956  | 48.290  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 67368   | 41.919  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 75579   | 49.276  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 146058  | 47.961  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 67230   | 48.273  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 90032   | 46.239  | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 104913  | 49.344  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.06 | 59  | 164723  | 277.848 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 92818   | 45.670  | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 116118  | 226.683 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 219090  | 49.412  | ug/l | 98     |
| 15) Acrylonitrile             | 3.14 | 53  | 398816  | 265.003 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 347452  | 250.862 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 264571  | 44.443  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 157232  | 45.486  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 355614  | 49.108  | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 112217  | 47.378  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 97709   | 45.074  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.85 | 45  | 432934  | 50.248  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1692320 | 223.445 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 209496  | 48.438  | ug/l | 99     |
| 25) 2-Butanone                | 4.68 | 43  | 587840  | 265.525 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 122629  | 37.825  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 115912  | 47.096  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 91340   | 50.878  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.13 | 42  | 392385  | 264.804 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 188372  | 48.671  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 203120  | 47.749  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 155268  | 48.404  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 143724  | 44.216  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.84 | 43  | 193593  | 46.285  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 128377  | 46.587  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\  
 Data File : VX009172.D  
 Acq On : 25 Apr 2019 19:03  
 Operator : JC/SP  
 Sample : K2535-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 S37-0016MS

Manual Integrations  
 APPROVED

MMdadoda  
 4/26/2019 10:05:26 AM

Quant Time: Apr 26 07:34:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:47:58 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 186049   | 47.011  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 450069   | 46.935  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.04  | 41   | 122831   | 51.168  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 161614   | 47.578  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 311764   | 46.254  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 104121   | 44.316  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 128302   | 48.229  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 73488    | 47.467  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 145683   | 47.976  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 170846   | 51.298  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 60331    | 967.841 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1152967  | 268.502 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 269804   | 46.948  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 163182   | 46.694  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 180314   | 46.079  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 111815   | 49.092  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 204846   | 50.157  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 196519   | 48.459  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 905135   | 273.401 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 109261   | 50.052  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 113311   | 48.202  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 90108    | 41.768  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 277044   | 46.220  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 100928   | 47.797  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 513102   | 46.827  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 376072   | 94.439  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 184412   | 47.594  | ug/l   | 99       |
| 70) Stvrene                    | 10.71 | 104  | 321147   | 47.828  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 82786    | 49.210  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 489375   | 47.507  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 269376   | 45.544  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 188732   | 50.144  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 184913m  | 55.723  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 119708   | 46.059  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 564538   | 47.748  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 336522   | 47.233  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 412919   | 47.768  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 59197    | 45.798  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 388860   | 46.995  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 397922   | 47.947  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 418272   | 47.536  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 475246   | 48.013  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 431378   | 47.403  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 211452   | 46.484  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 210184   | 45.581  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 387883   | 45.767  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 72776    | 48.481  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 216190   | 48.129  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 43941    | 51.276  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 148968   | 45.942  | ug/l   | 100      |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042519\  
Data File : VX009172.D  
Acq On : 25 Apr 2019 19:03  
Operator : JC/SP  
Sample : K2535-02MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Manual Integrations  
APPROVED

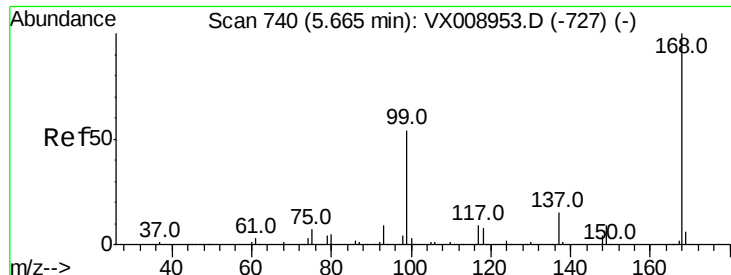
MMdadoda  
4/26/2019 10:05:26 AM

Quant Time: Apr 26 07:34:58 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:47:58 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 74030    | 45.776 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 505531   | 48.662 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 150580   | 47.066 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion:168 Resp: 189517

Ion Ratio Lower Upper

168 100

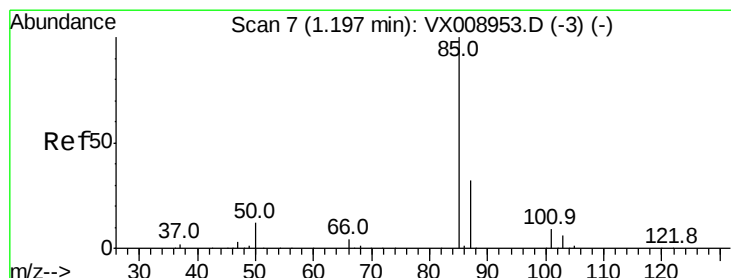
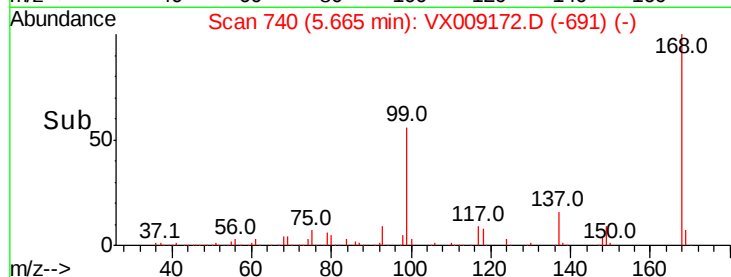
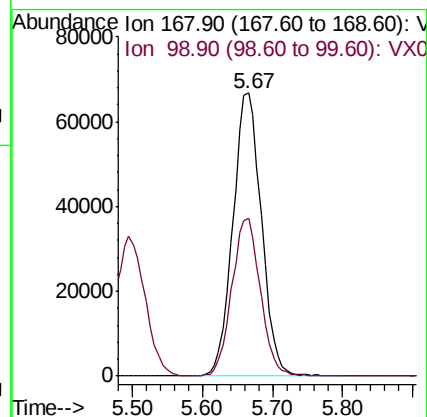
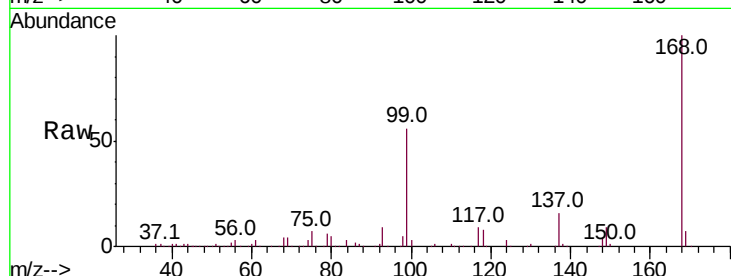
99 55.4 43.0 64.6

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#2

Dichlorodifluoromethane

Concen: 49.426 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009172.D

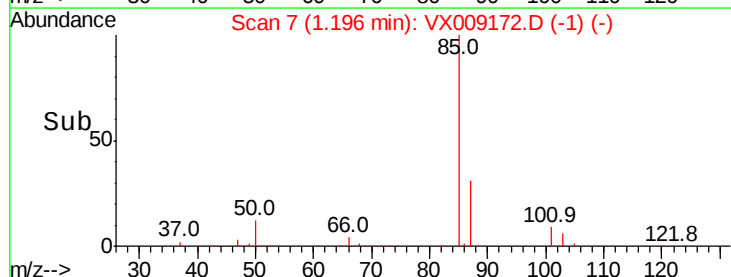
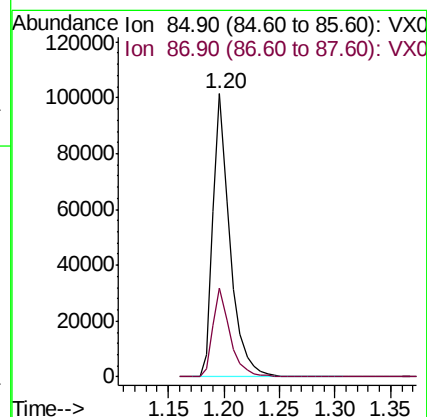
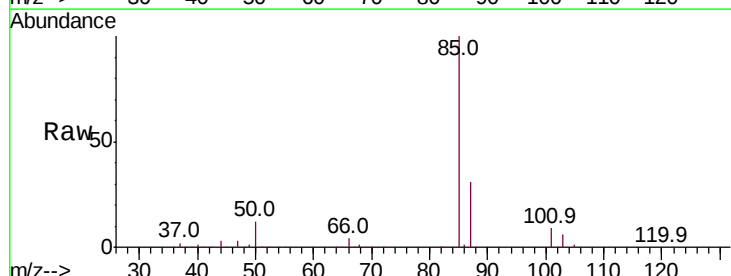
Acq: 25 Apr 2019 19:03

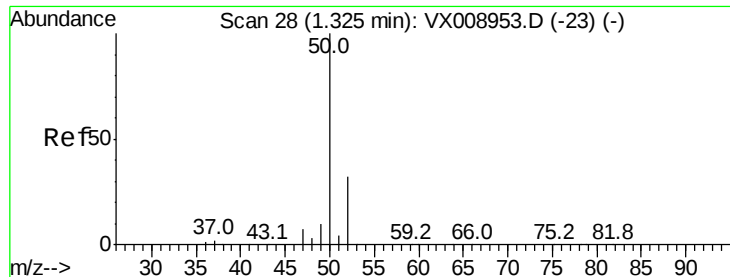
Tgt Ion: 85 Resp: 107890

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9





#3

Chloromethane

Concen: 49.668 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampled :

S37-0016MS

Tot Ion: 50 Resp: 133105

Ion Ratio Lower Upper

50 100

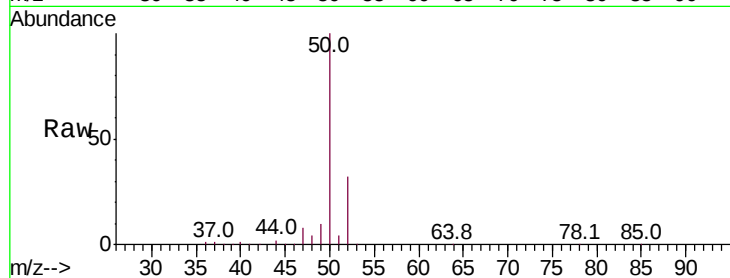
52 32.2 25.5 38.3

Manual Integrations

APPROVED

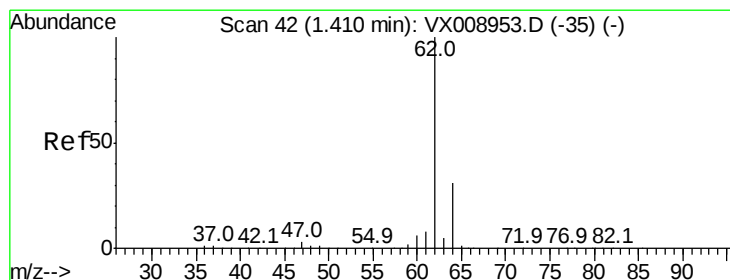
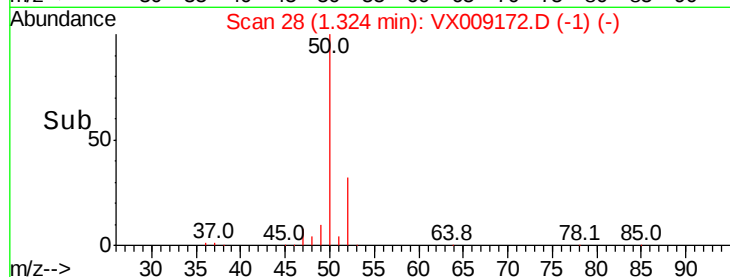
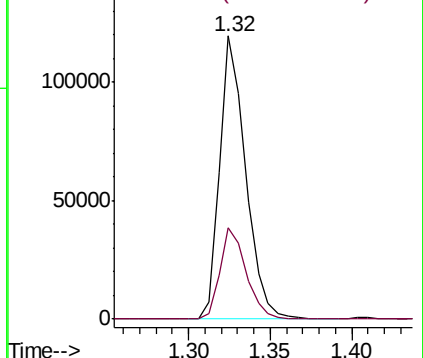
MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.290 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009172.D

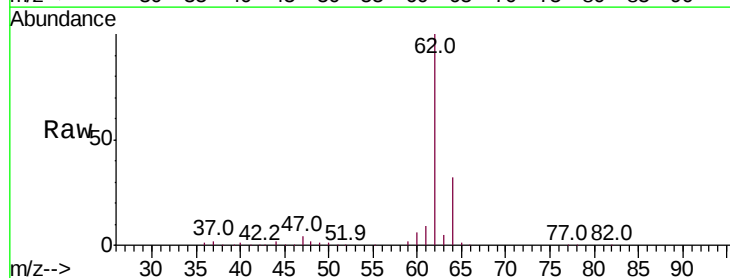
Acq: 25 Apr 2019 19:03

Tgt Ion: 62 Resp: 125956

Ion Ratio Lower Upper

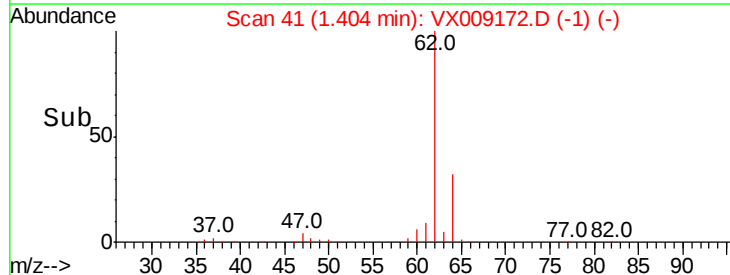
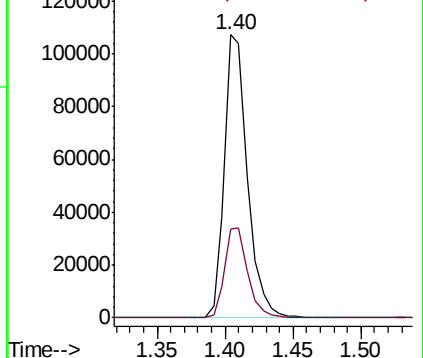
62 100

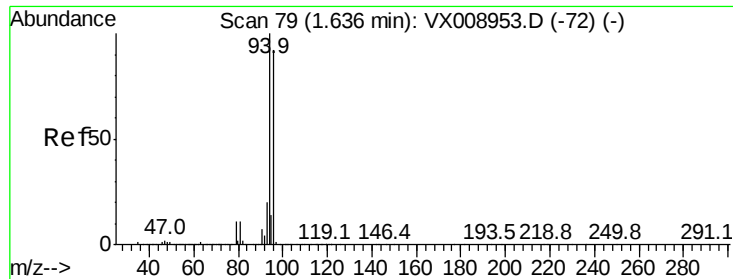
64 31.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.919 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Tot Ion: 94 Resp: 67368

Ion Ratio Lower Upper

94 100

96 94.5 73.9 110.9

Instrument :

MSVOA\_X

ClientSampleId :

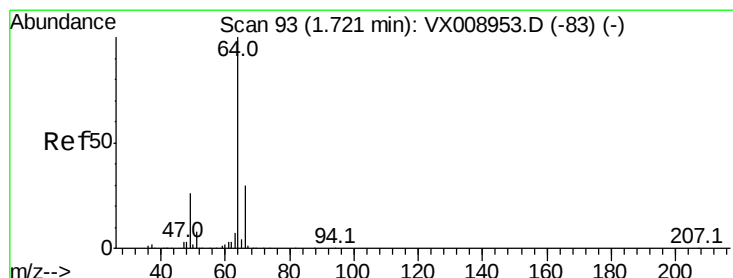
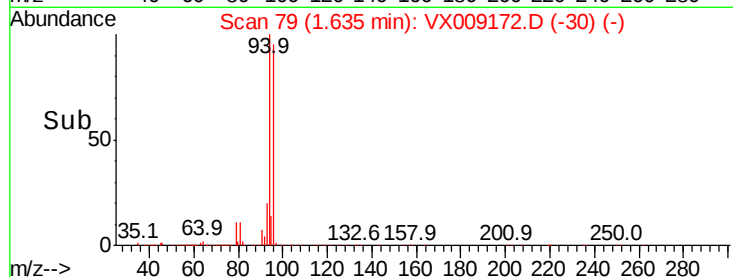
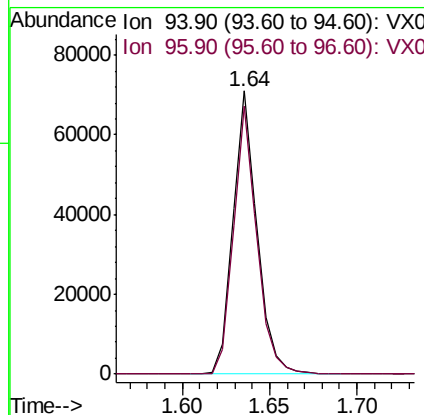
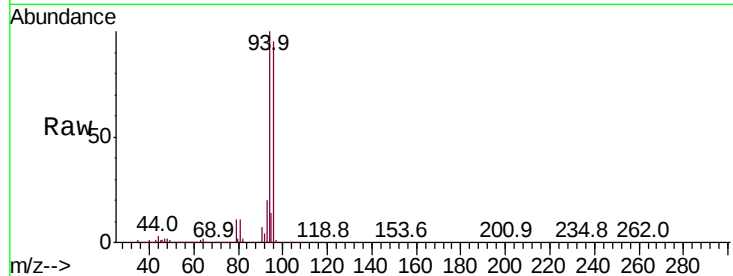
S37-0016MS

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#6

Chloroethane

Concen: 49.276 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009172.D

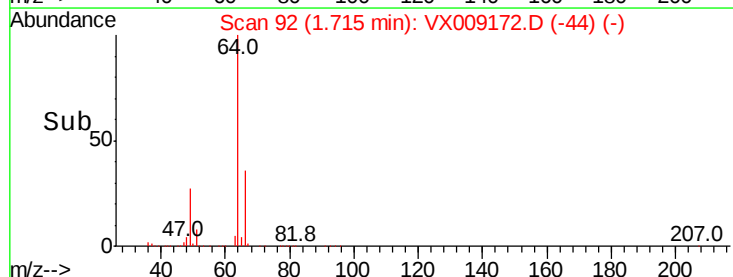
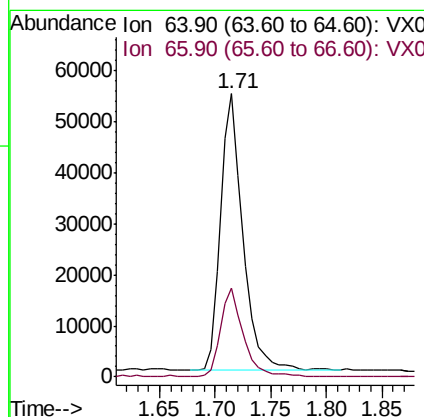
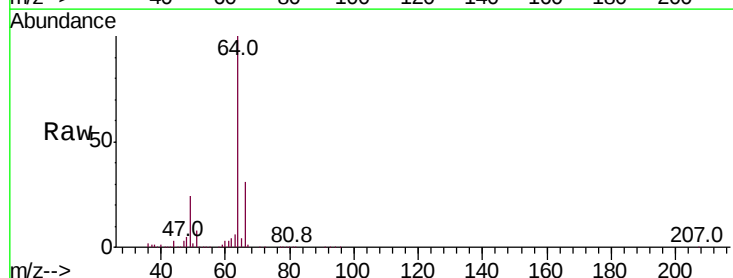
Acq: 25 Apr 2019 19:03

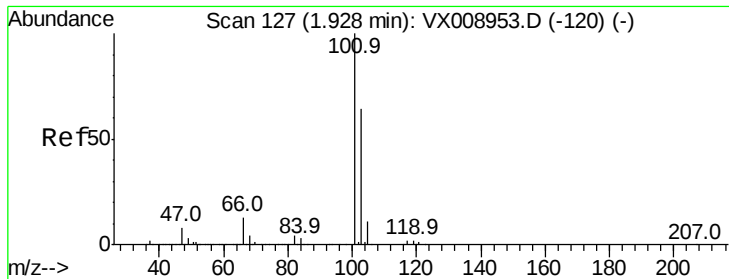
Tgt Ion: 64 Resp: 75579

Ion Ratio Lower Upper

64 100

66 31.8 24.2 36.2





#7

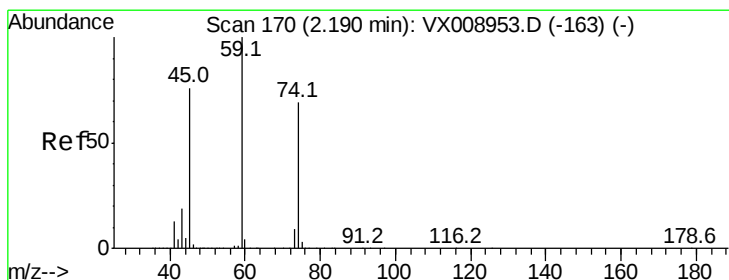
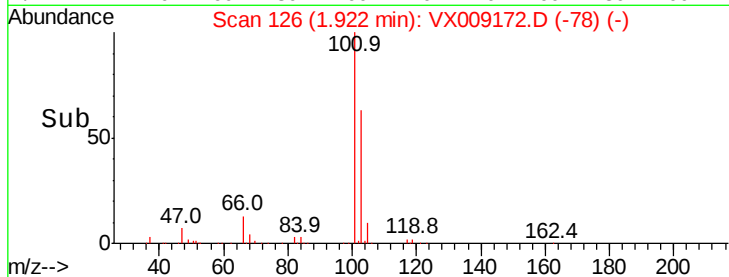
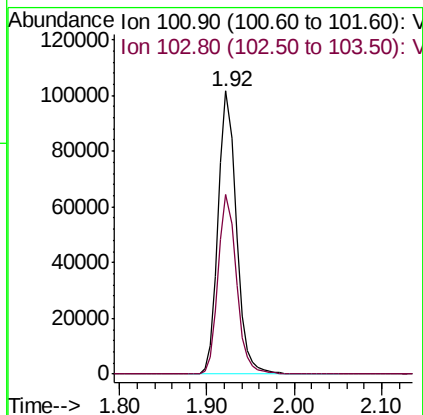
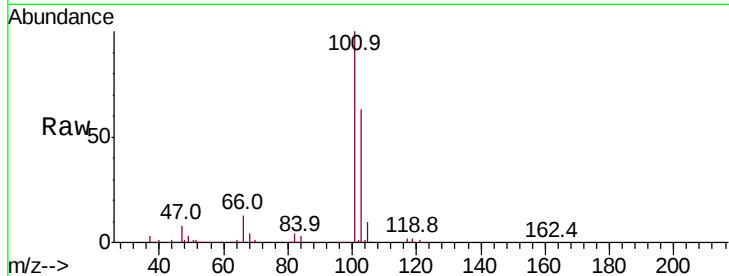
Trichlorofluoromethane  
 Concen: 47.961 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. -0.01 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 146058 |       |       |
| 103     | 63.3  | 51.0   | 76.6  |       |

Manual Integrations  
 APPROVED

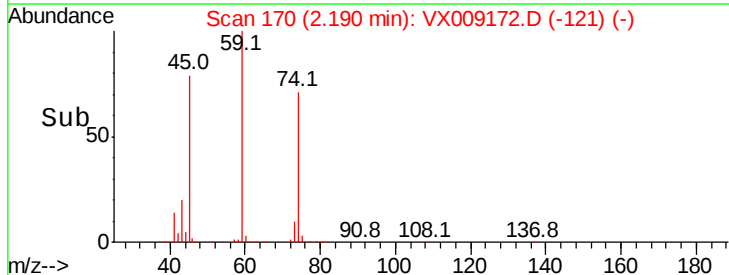
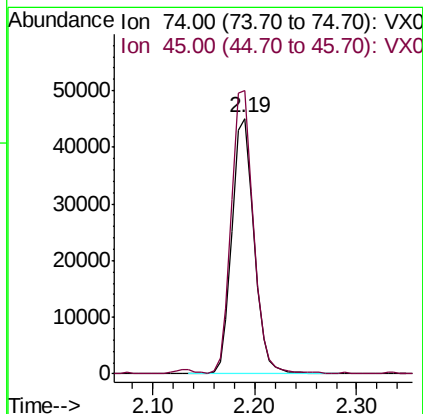
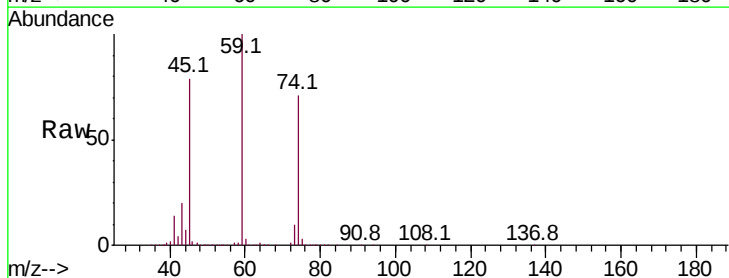
MMdadoda  
 4/26/2019 10:05:26 AM

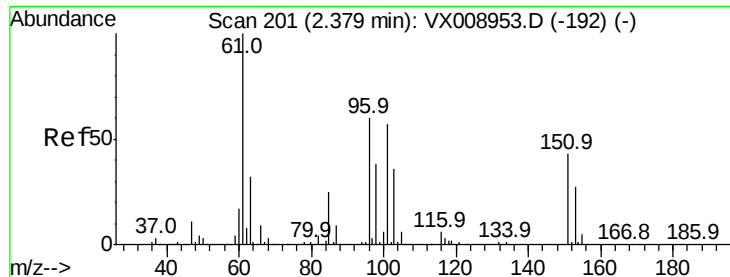


#8

Diethyl Ether  
 Concen: 48.273 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 67230 |       |       |
| 45      | 110.3 | 54.9  | 164.8 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.239 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion:101 Resp: 90032

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

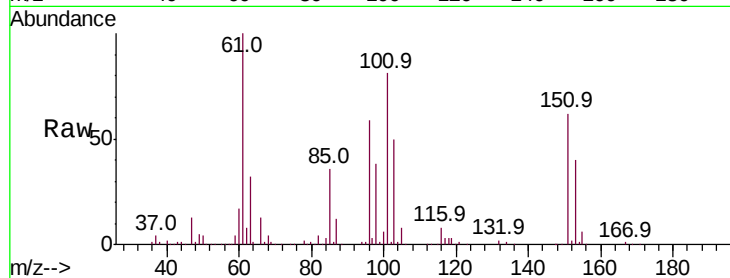
151 78.4 62.7 94.1

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM

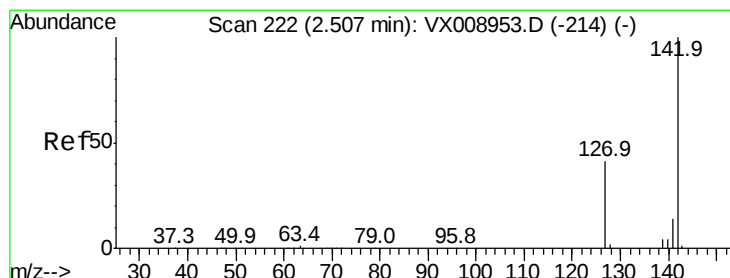
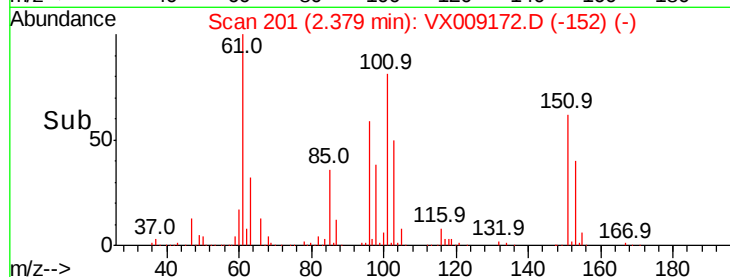
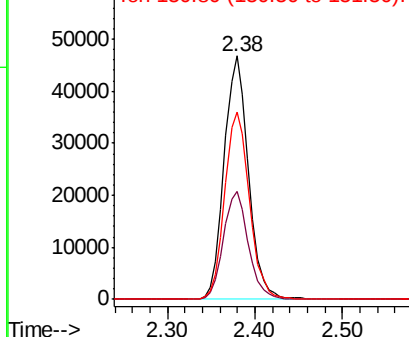


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.344 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

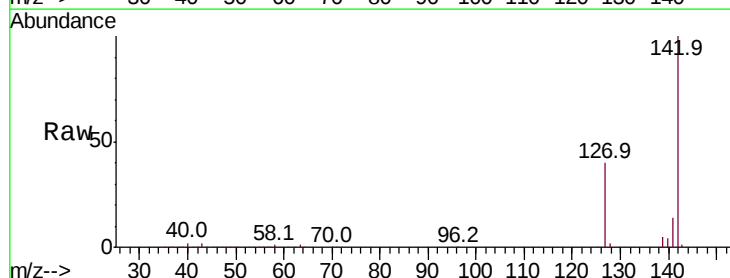
Tgt Ion:142 Resp: 104913

Ion Ratio Lower Upper

142 100

127 40.8 32.8 49.2

141 14.3 11.4 17.2

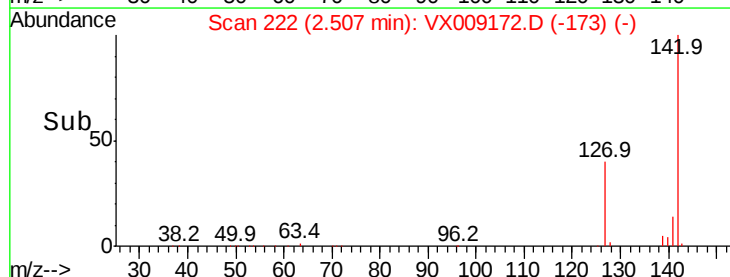
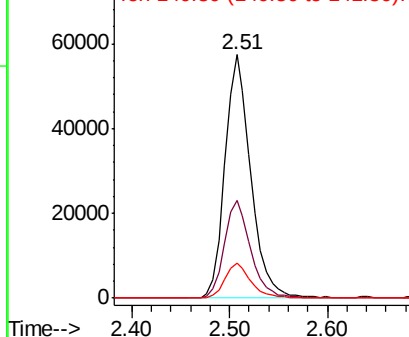


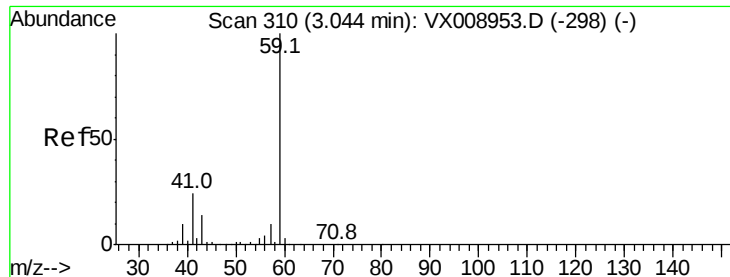
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





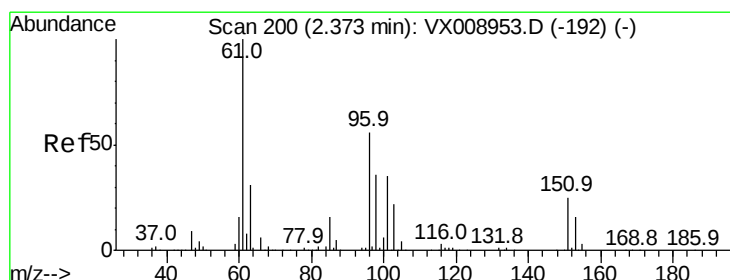
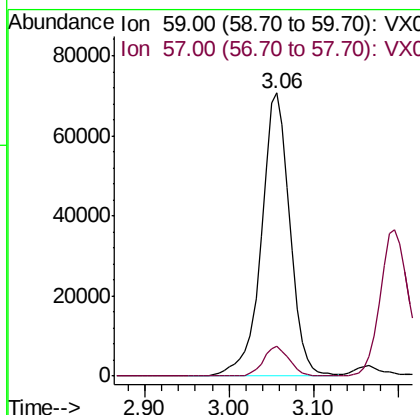
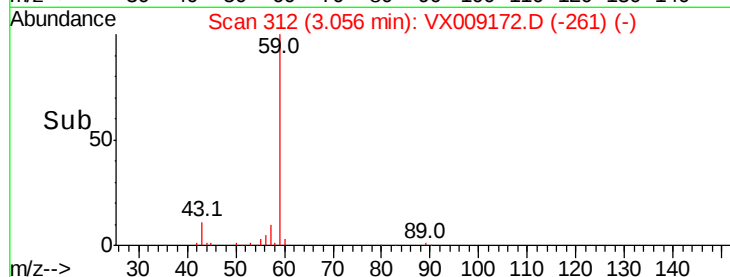
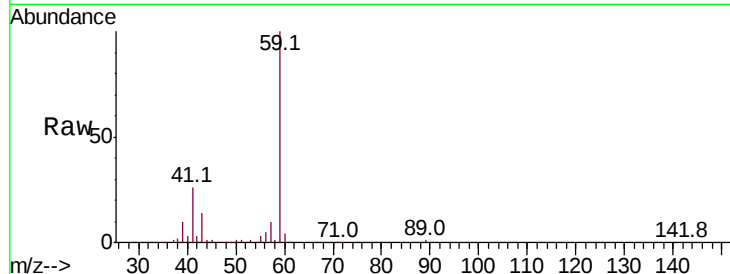
#11  
Tert butyl alcohol  
Concen: 277.848 ug/l  
RT: 3.06 min Scan# 312  
Delta R.T. 0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Tot Ion: 59 Resp: 164723  
Ion Ratio Lower Upper  
59 100  
57 9.9 8.4 12.6

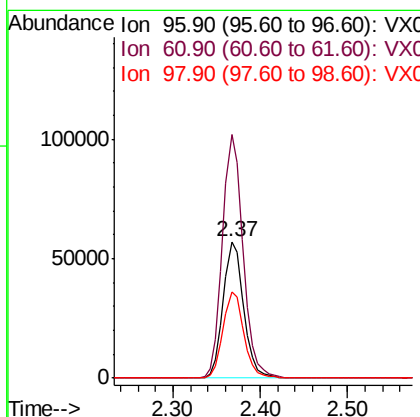
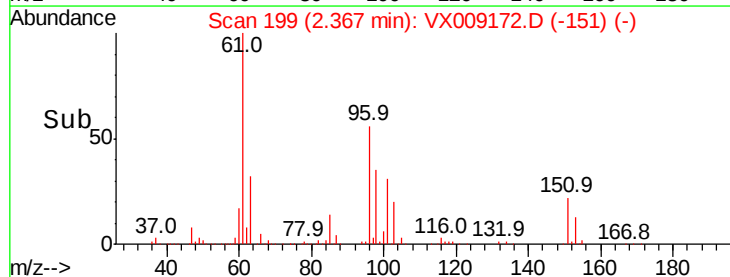
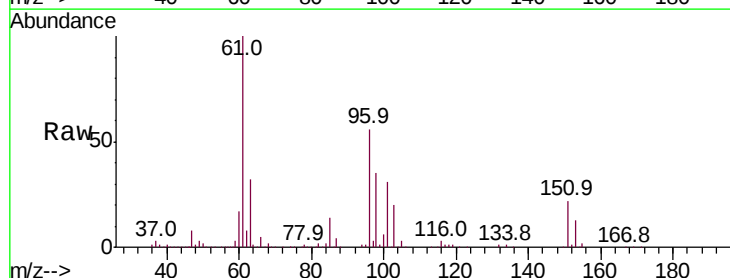
Manual Integrations  
APPROVED

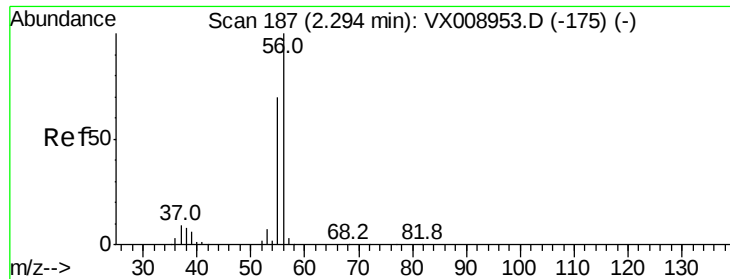
MMdadoda  
4/26/2019 10:05:26 AM



#12  
1,1-Dichloroethene  
Concen: 45.670 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Tgt Ion: 96 Resp: 92818  
Ion Ratio Lower Upper  
96 100  
61 178.2 142.2 213.2  
98 62.7 50.9 76.3





#13

Acrolein

Concen: 226.683 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 56 Resp: 116118

Ion Ratio Lower Upper

56 100

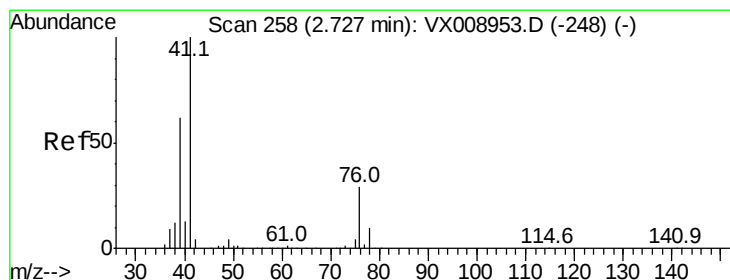
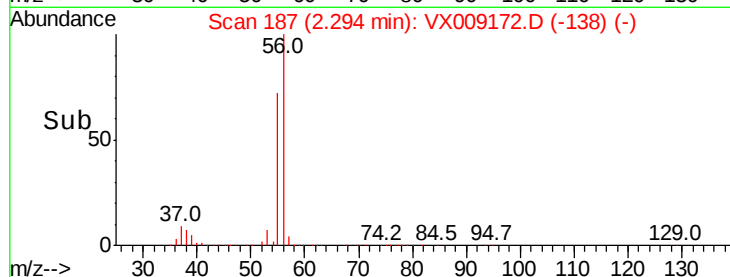
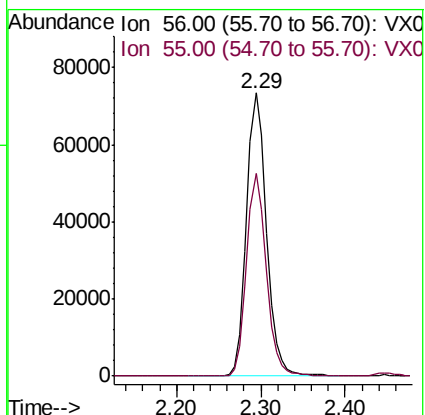
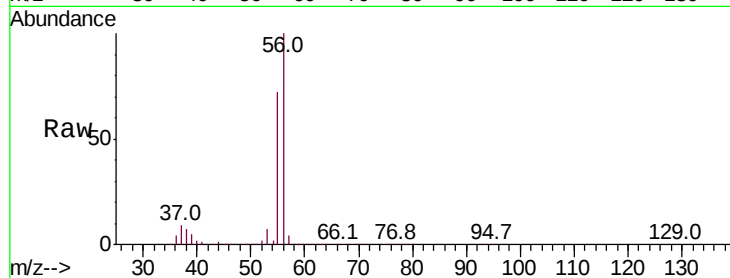
55 71.1 56.6 84.8

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#14

Allyl chloride

Concen: 49.412 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

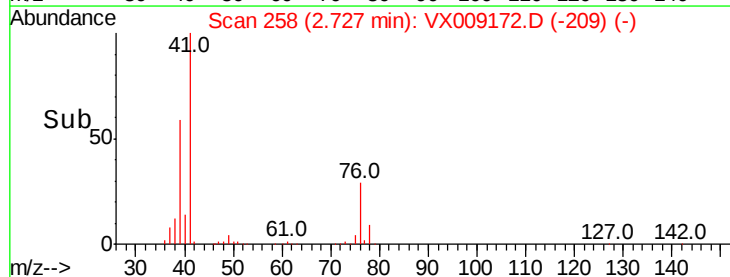
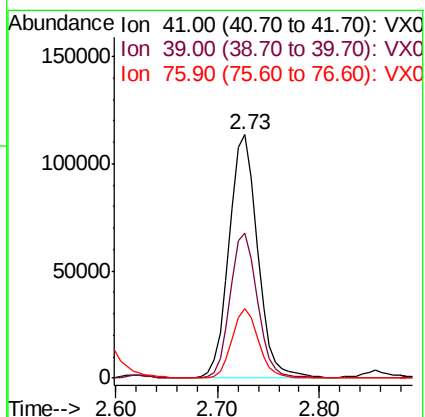
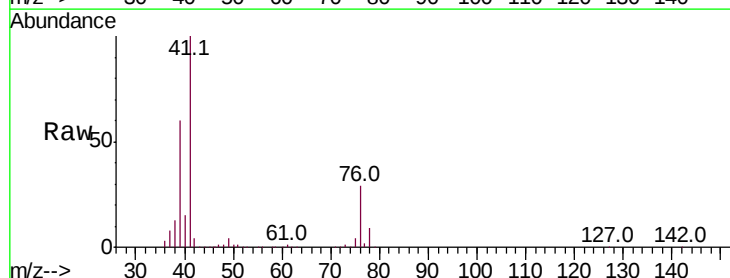
Tgt Ion: 41 Resp: 219090

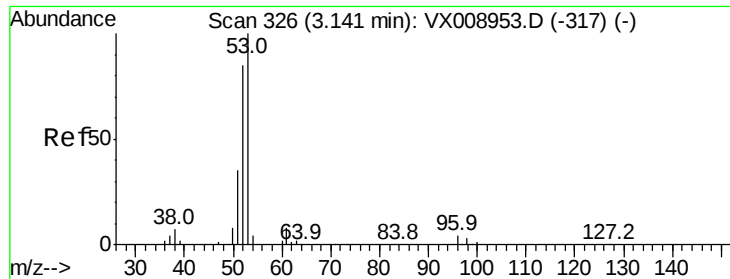
Ion Ratio Lower Upper

41 100

39 57.1 46.7 70.1

76 26.2 22.0 33.0





#15

Acrylonitrile

Concen: 265.003 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

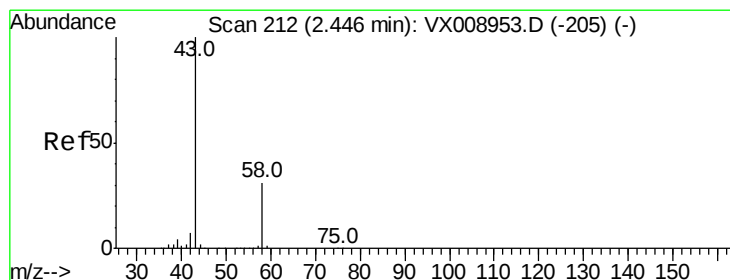
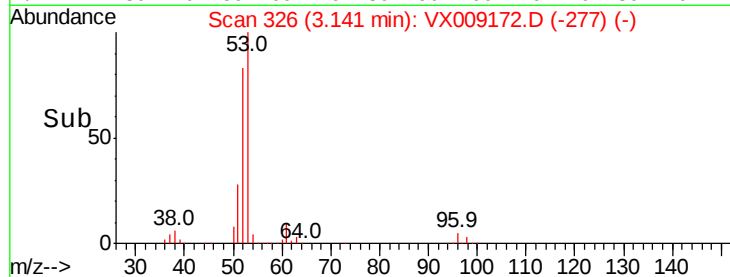
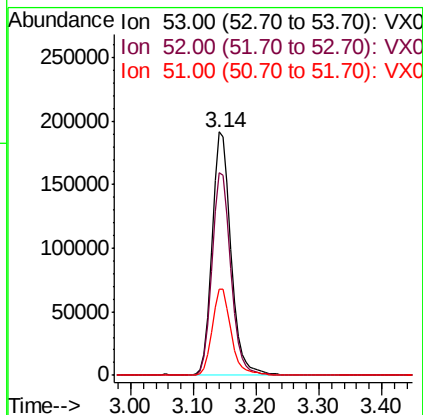
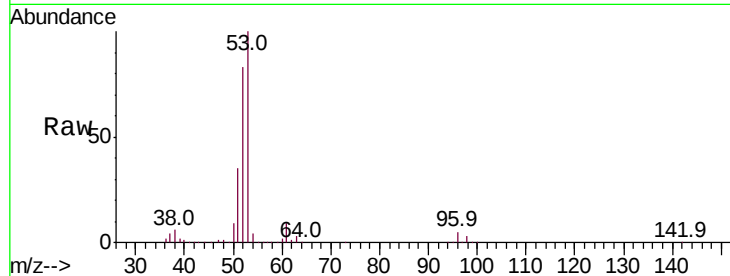
ClientSampleId :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 398816 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.5  | 66.6  | 100.0  |
| 51        | 35.5  | 28.3  | 42.5   |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#16

Acetone

Concen: 250.862 ug/l

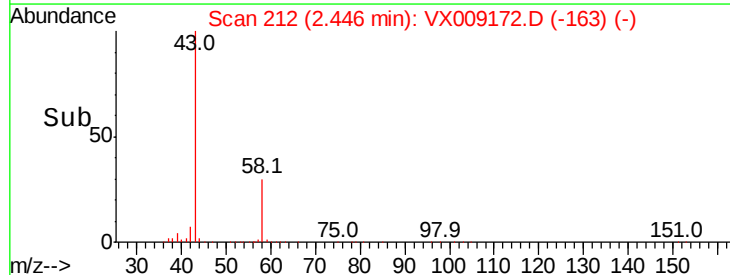
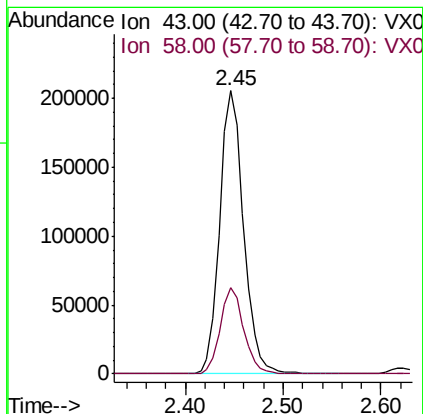
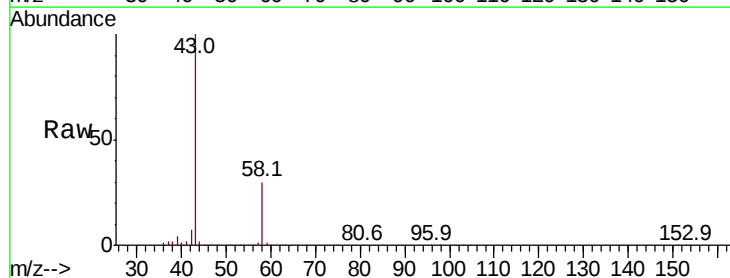
RT: 2.45 min Scan# 212

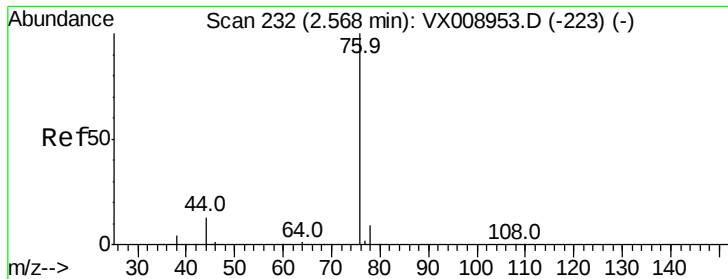
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 347452 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 30.3  | 24.8  | 37.2   |





#17

Carbon Disulfide

Concen: 44.443 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 76 Resp: 264571

Ion Ratio Lower Upper

76 100

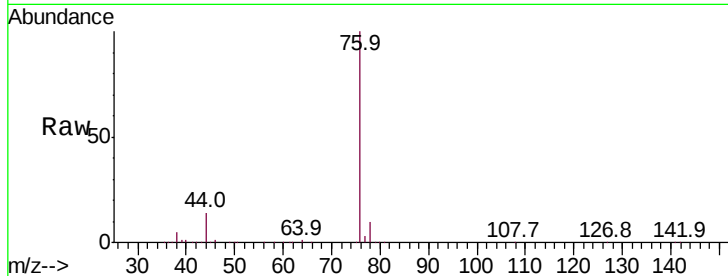
78 9.5 7.2 10.8

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

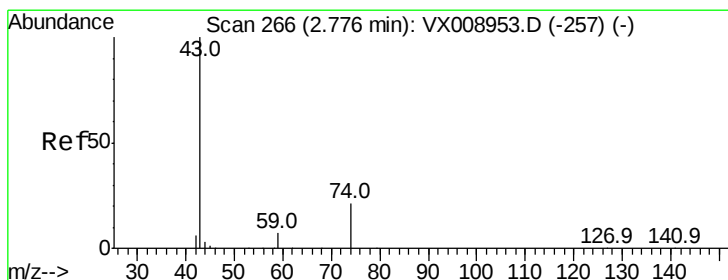
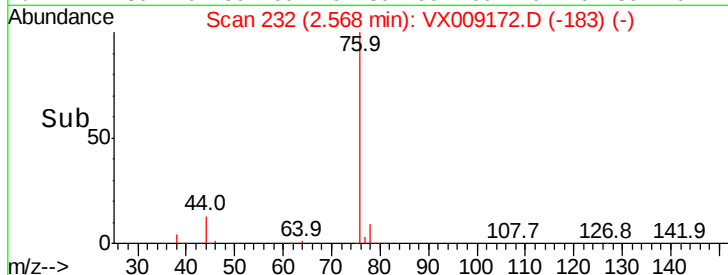
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.486 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009172.D

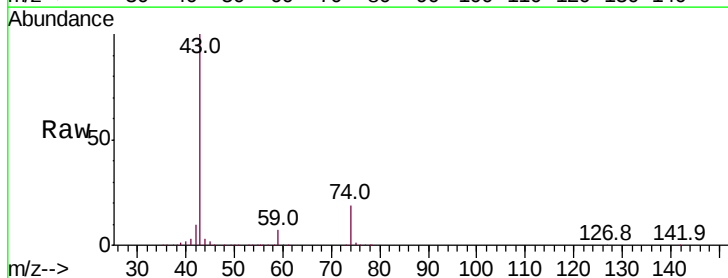
Acq: 25 Apr 2019 19:03

Tgt Ion: 43 Resp: 157232

Ion Ratio Lower Upper

43 100

74 20.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

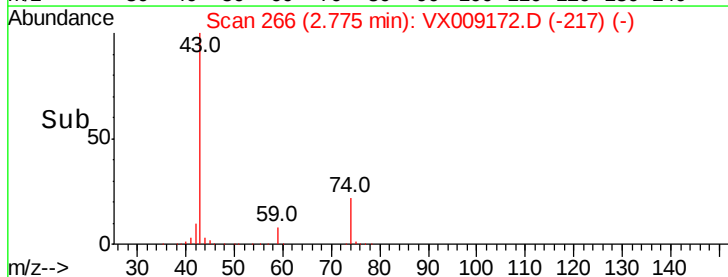
60000

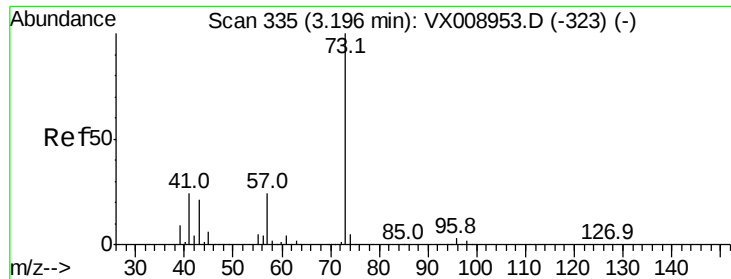
40000

20000

0

Time-->





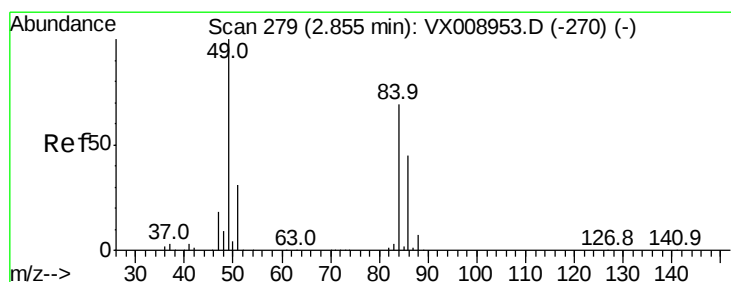
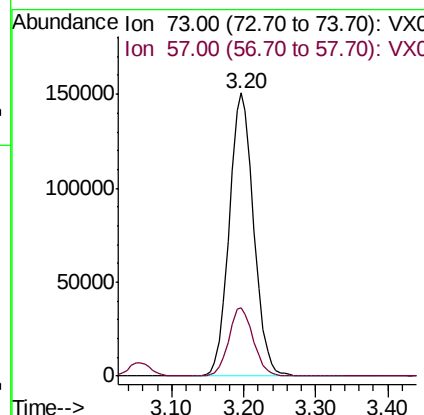
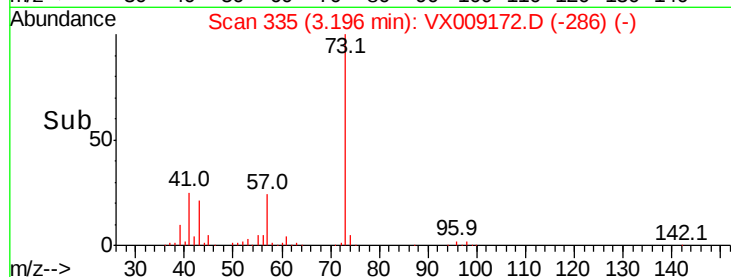
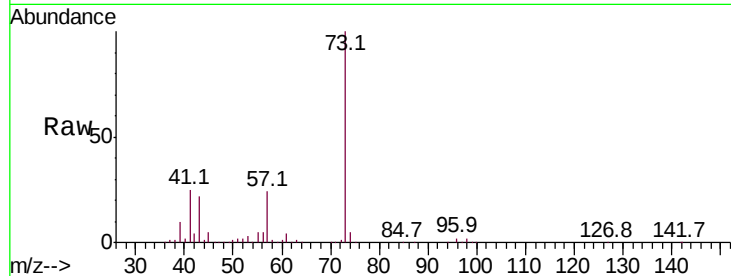
#19  
Methvl tert-butvl Ether  
Concen: 49.108 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.2  | 19.2  | 28.8  |

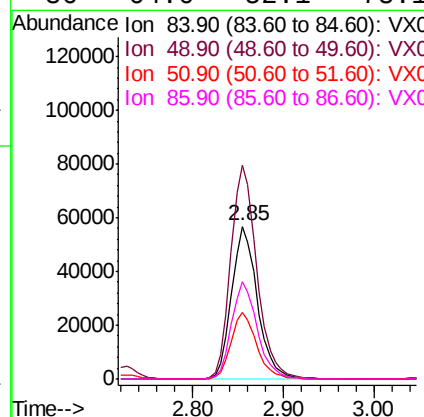
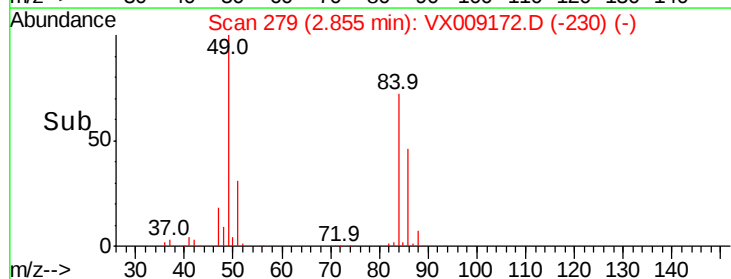
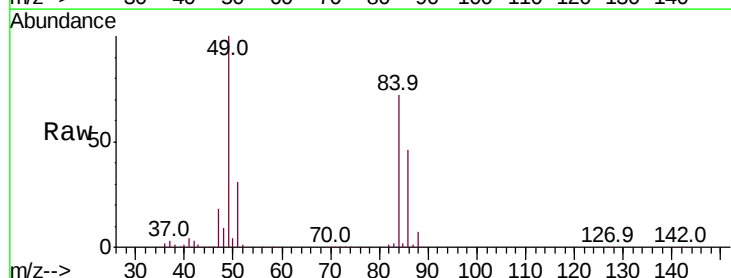
Manual Integrations  
APPROVED

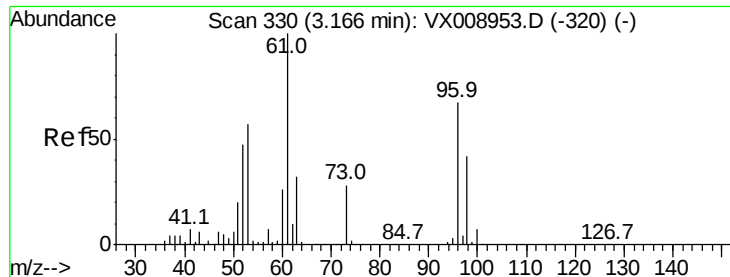
MMDadoda  
4/26/2019 10:05:26 AM



#20  
Methylene Chloride  
Concen: 47.378 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 139.7 | 115.4 | 173.0 |
| 51      | 43.8  | 35.8  | 53.6  |
| 86      | 64.0  | 52.1  | 78.1  |





#21

trans-1,2-Dichloroethene

Concen: 45.074 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 96 Resp: 97709

Ion Ratio Lower Upper

96 100

61 157.3 120.3 180.5

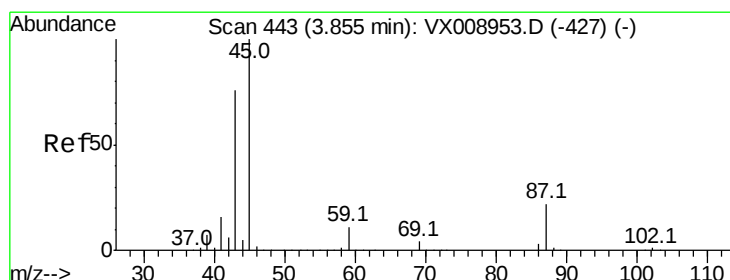
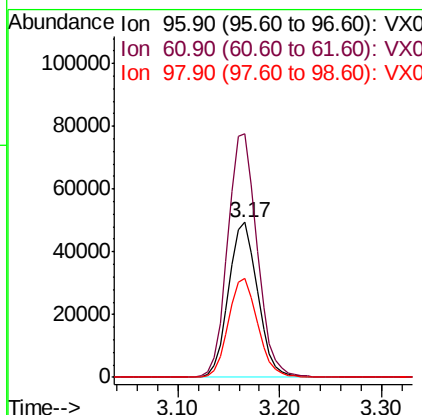
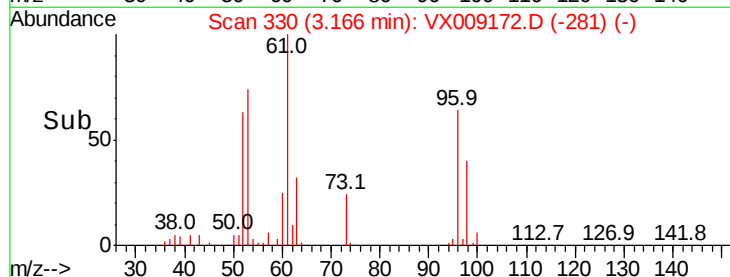
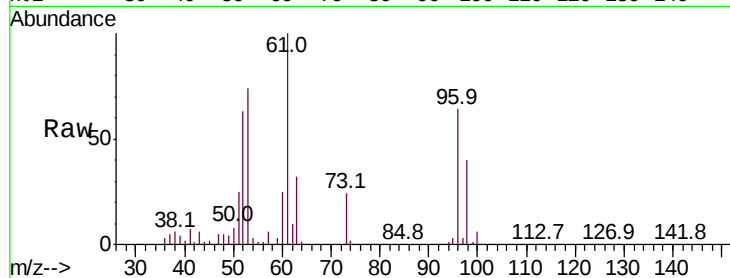
98 63.7 50.2 75.2

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#22

Diisopropyl ether

Concen: 50.248 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Tgt Ion: 45 Resp: 432934

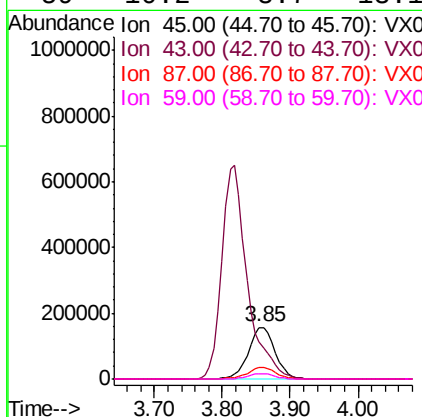
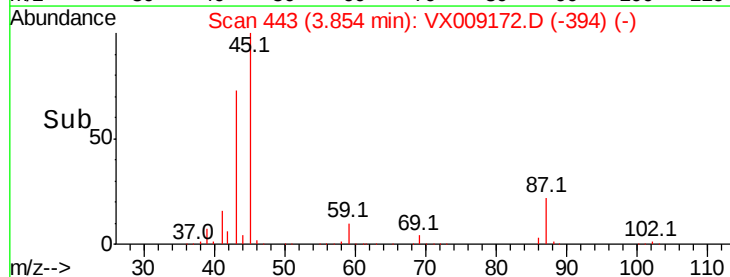
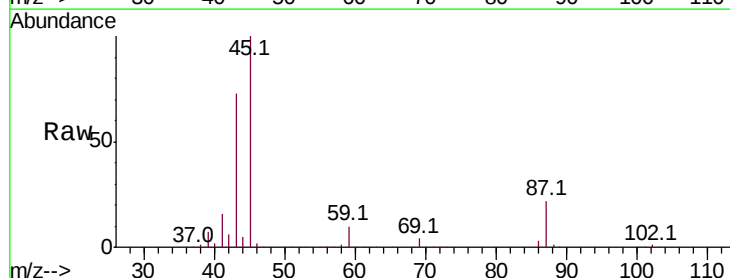
Ion Ratio Lower Upper

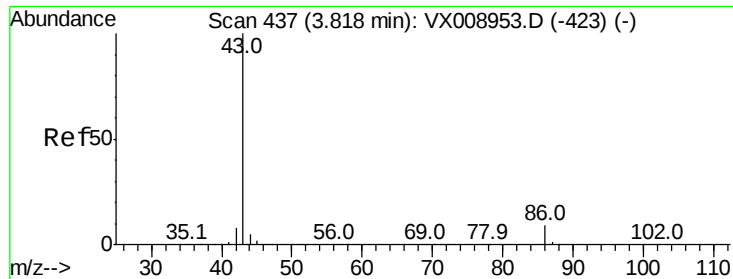
45 100

43 72.8 60.6 91.0

87 21.8 17.8 26.8

59 10.2 8.7 13.1





#23

Vinyl Acetate

Concen: 223.445 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 43 Resp: 1692320

Ion Ratio Lower Upper

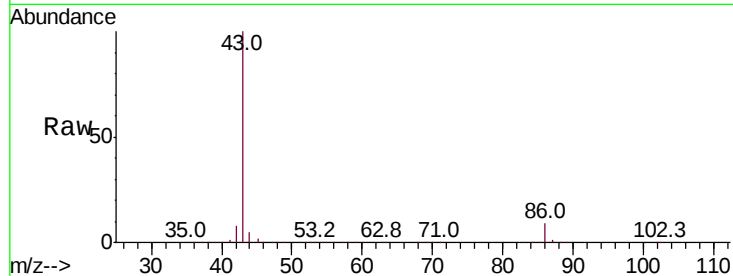
43 100

86 8.6 7.1 10.7

Manual Integrations  
APPROVED

MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

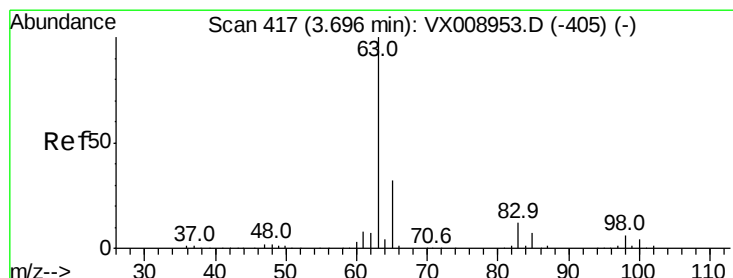
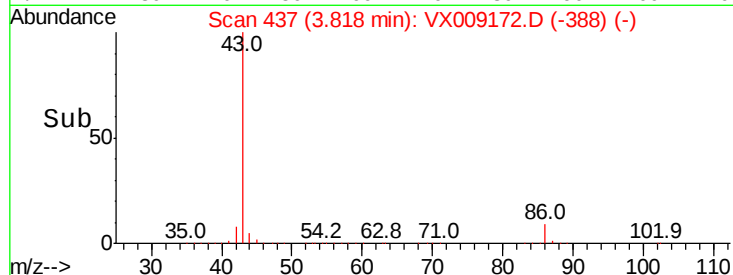
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.438 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

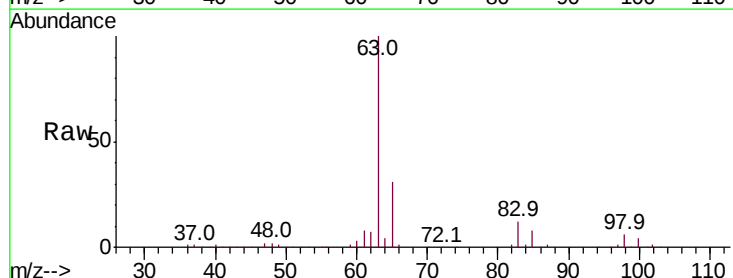
Tgt Ion: 63 Resp: 209496

Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.3

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

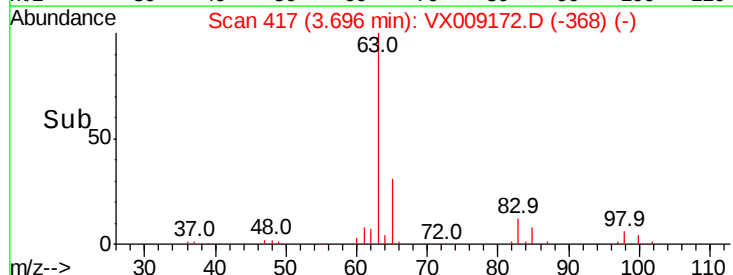
60000

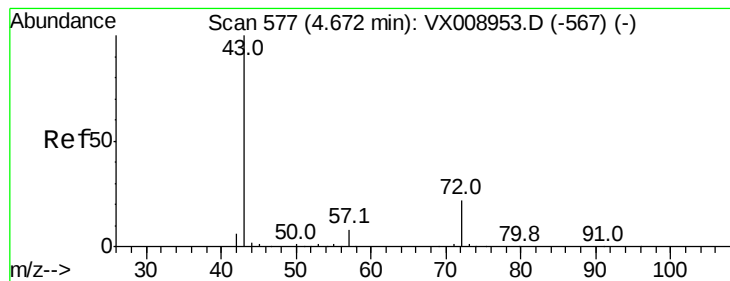
40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.525 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 43 Resp: 587840

Ion Ratio Lower Upper

43 100

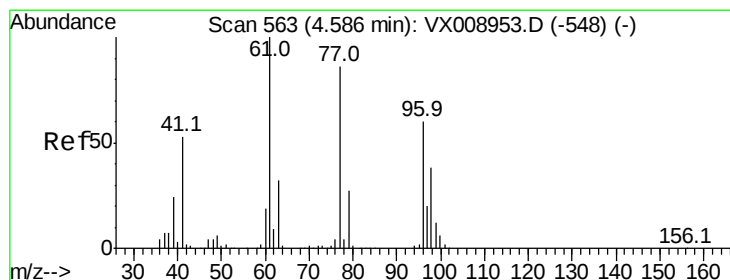
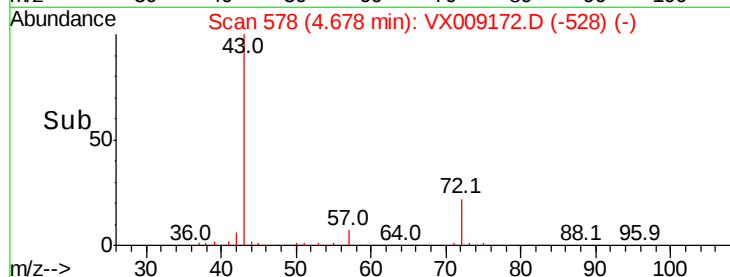
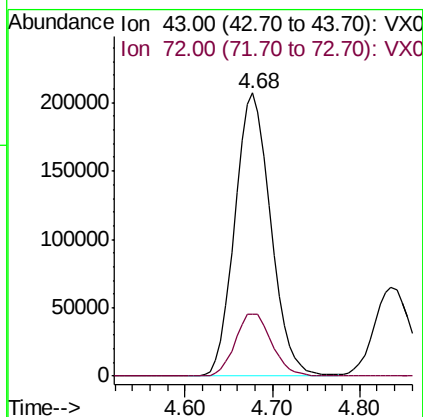
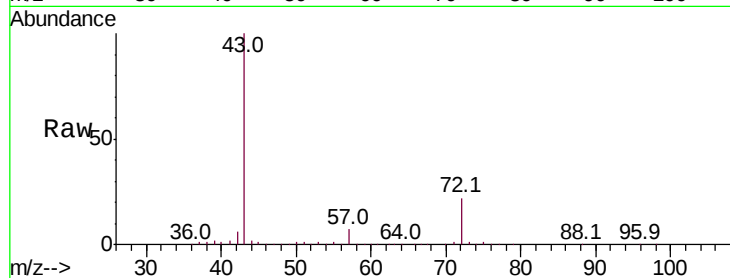
72 21.8 17.5 26.3

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#26

2,2-Dichloropropane

Concen: 37.825 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009172.D

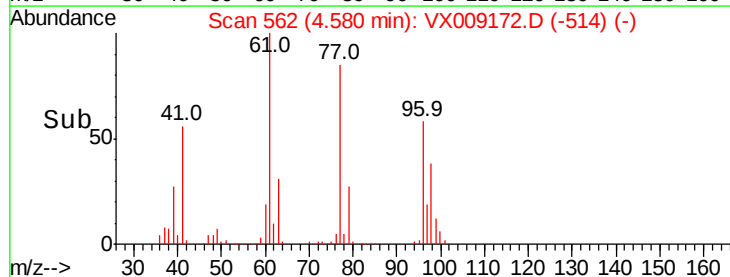
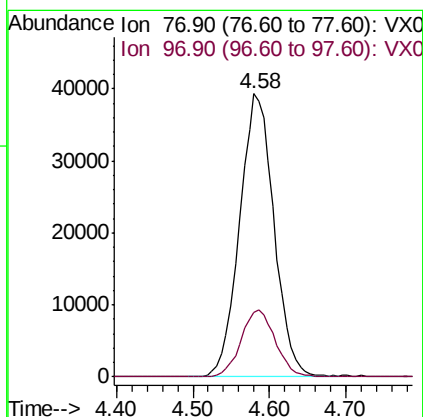
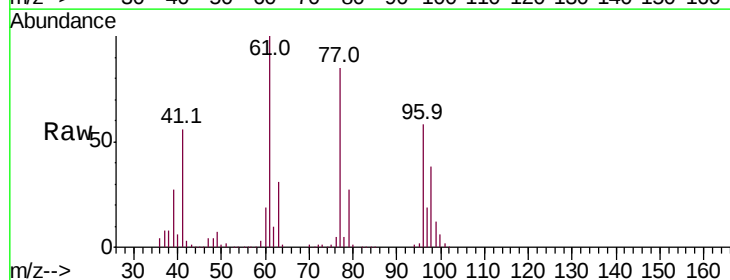
Acq: 25 Apr 2019 19:03

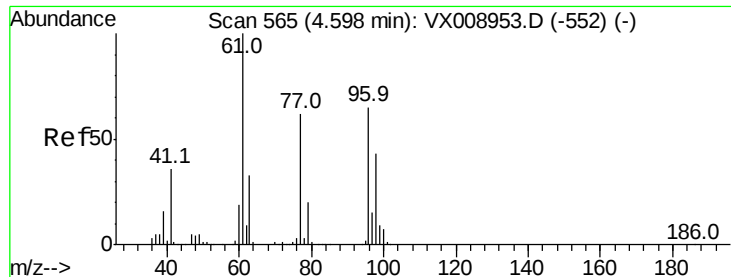
Tgt Ion: 77 Resp: 122629

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

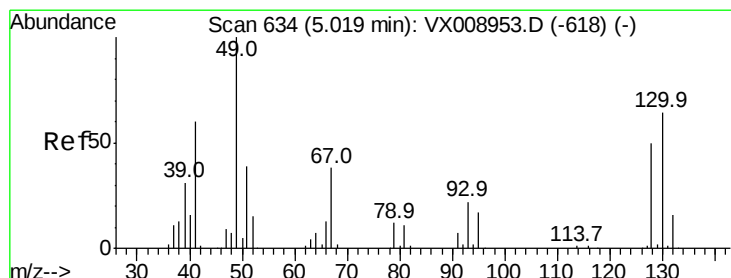
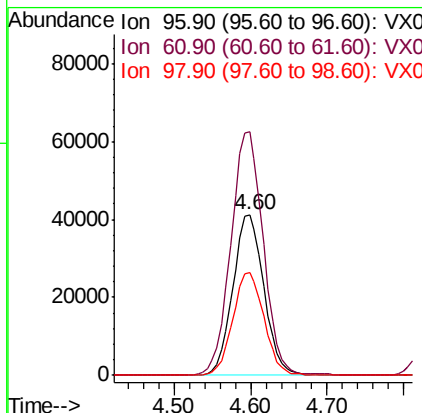
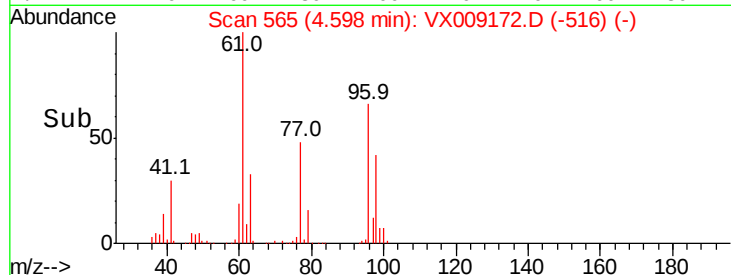
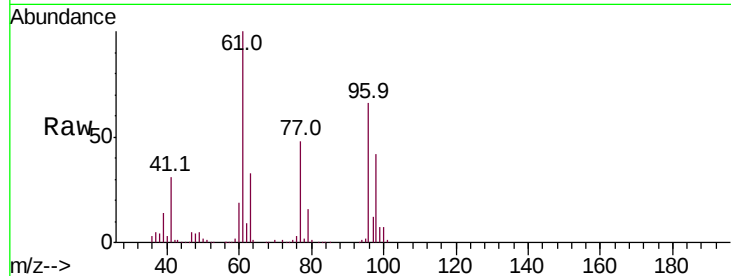
cis-1,2-Dichloroethene  
Concen: 47.096 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 157.7 | 0.0  | 322.0 |       |
| 98      | 64.5  | 0.0  | 128.4 |       |

Manual Integrations  
APPROVED

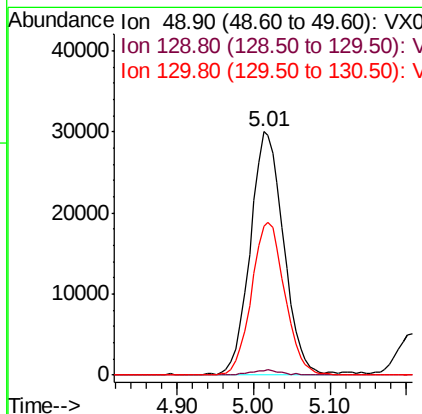
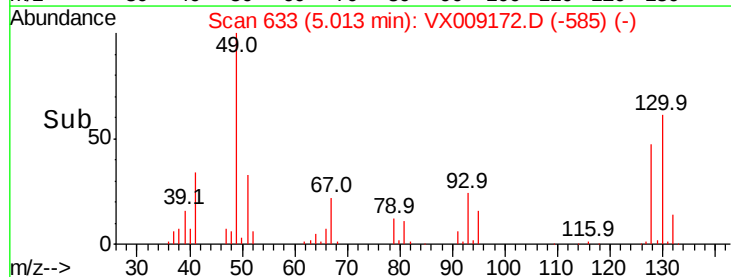
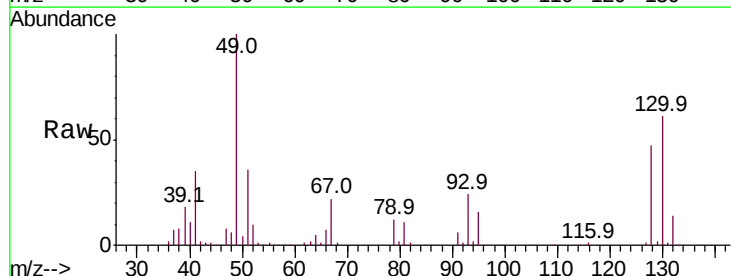
MMdadoda  
4/26/2019 10:05:26 AM

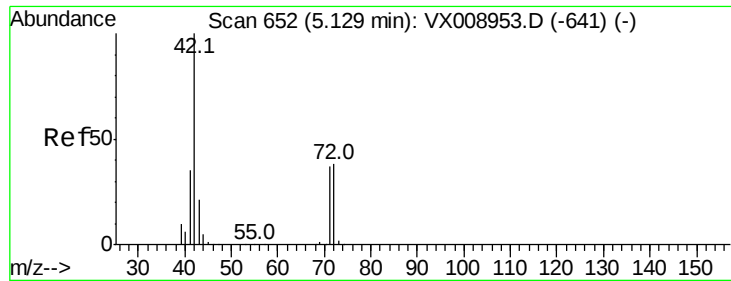


#28

Bromochloromethane  
Concen: 50.878 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.8   | 0.0  | 3.6   |       |
| 130     | 62.3  | 50.4 | 75.6  |       |





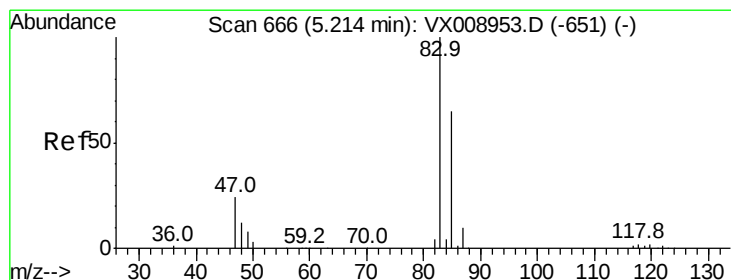
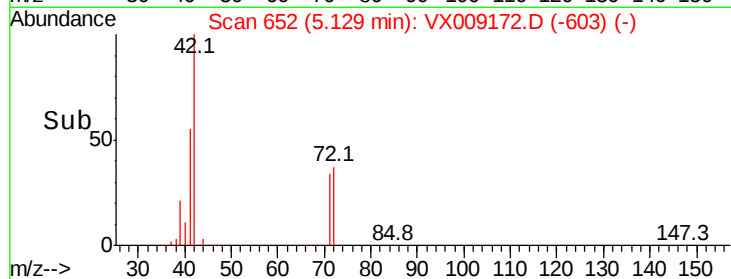
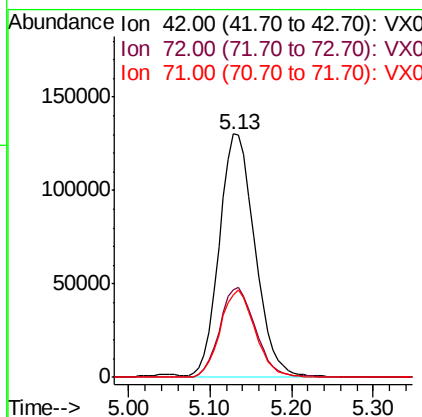
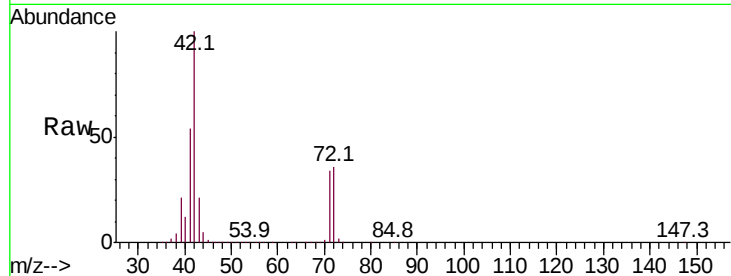
#29  
Tetrahydrofuran  
Concen: 264.804 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 42      | 100   |            |       |
| 72      | 37.3  | 30.6       | 45.8  |
| 71      | 35.2  | 28.8       | 43.2  |

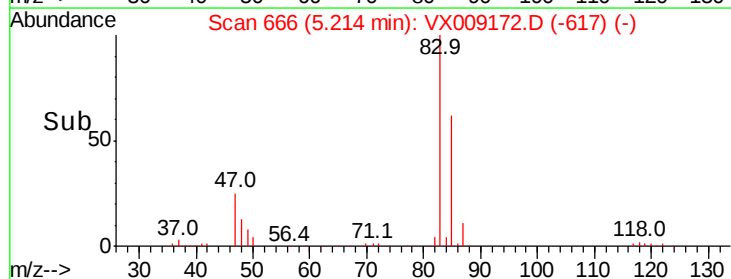
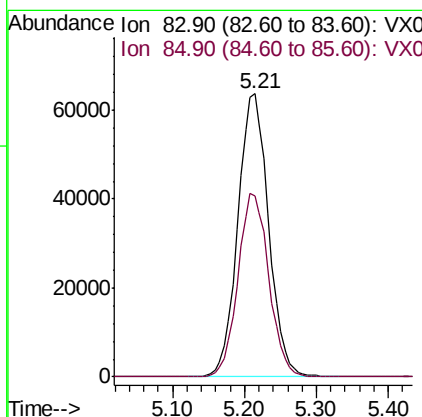
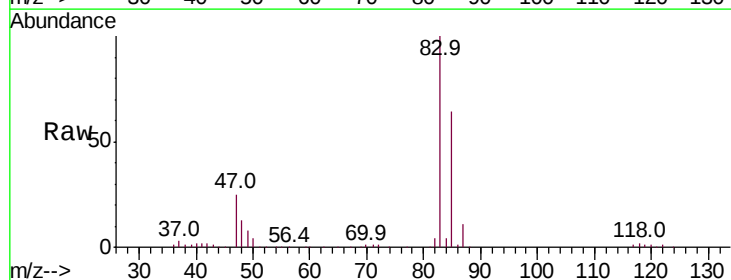
Manual Integrations  
APPROVED

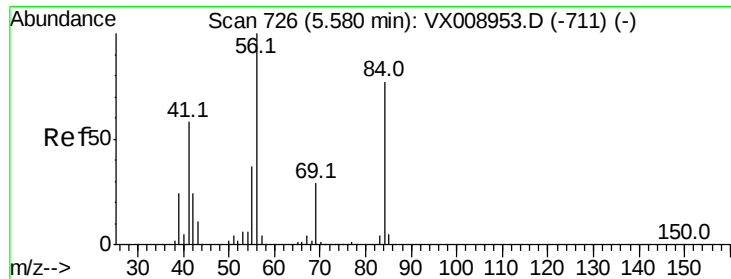
MMDadoda  
4/26/2019 10:05:26 AM



#30  
Chloroform  
Concen: 48.671 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 83      | 100   |            |       |
| 85      | 63.9  | 51.9       | 77.9  |





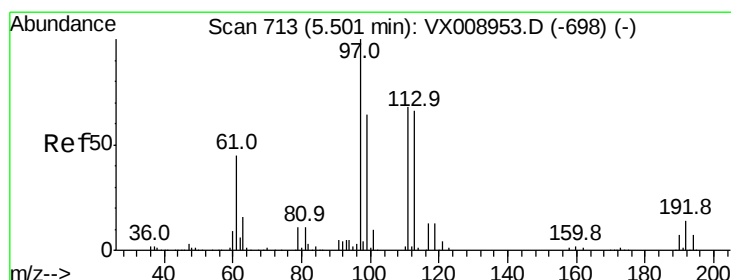
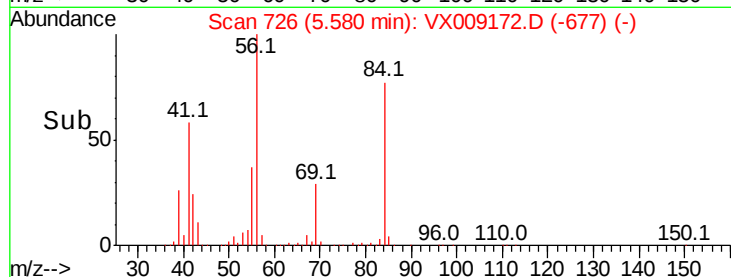
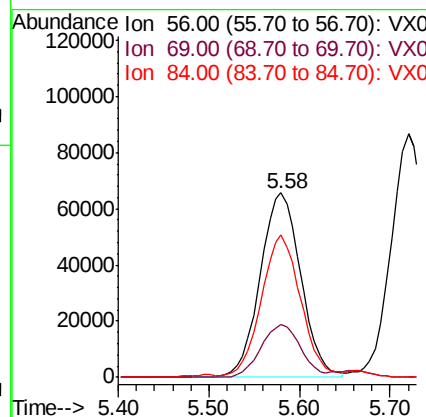
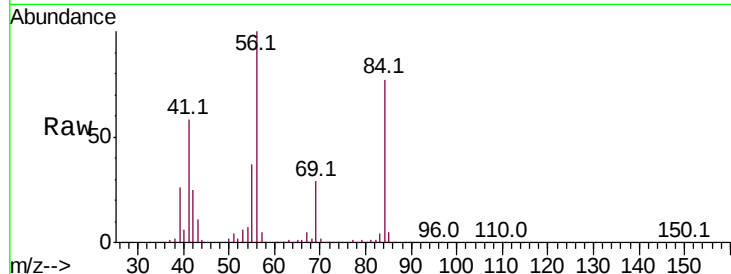
#31  
Cyclohexane  
Concen: 47.749 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleID :  
S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 203120 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 29.0  | 23.3  | 34.9   |
| 84        | 76.1  | 61.7  | 92.5   |

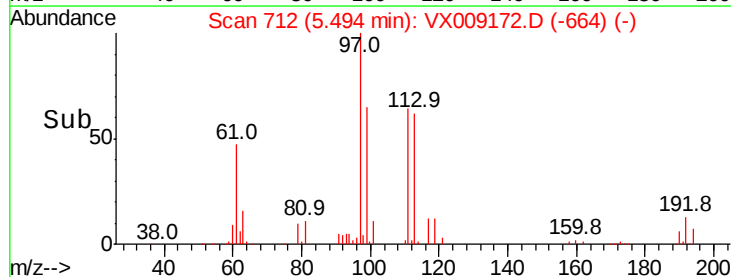
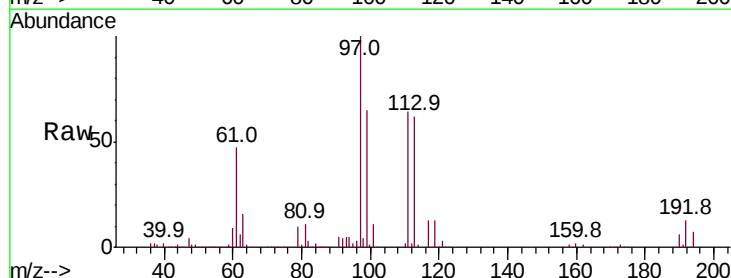
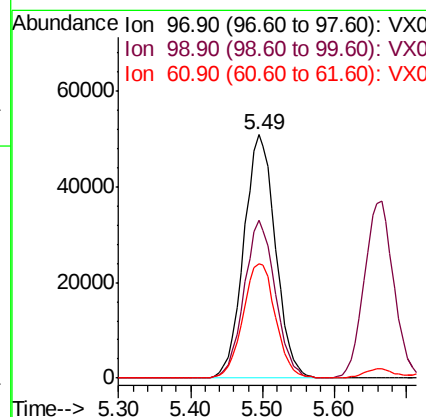
Manual Integrations  
APPROVED

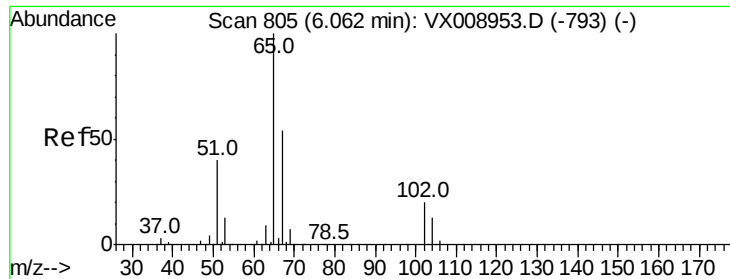
MMdadoda  
4/26/2019 10:05:26 AM



#32  
1,1,1-Trichloroethane  
Concen: 48.404 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 155268 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.0  | 51.6  | 77.4   |
| 61        | 48.3  | 37.9  | 56.9   |





#33

1,2-Dichloroethane-d4

Concen: 47.435 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampled :

S37-0016MS

Tot Ion: 65 Resp: 126690

Ion Ratio Lower Upper

65 100

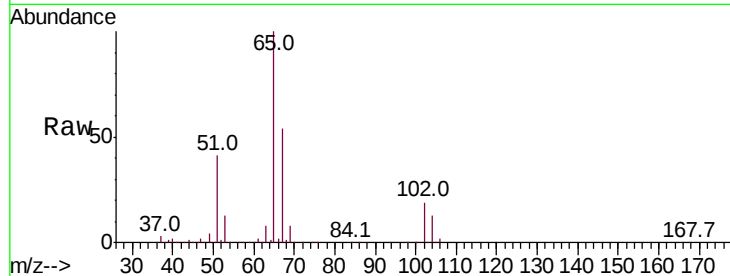
67 53.2 0.0 108.6

Manual Integrations

APPROVED

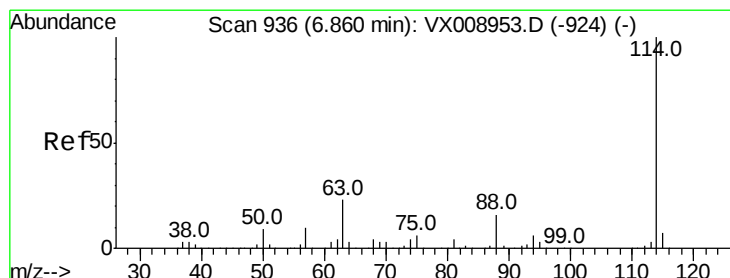
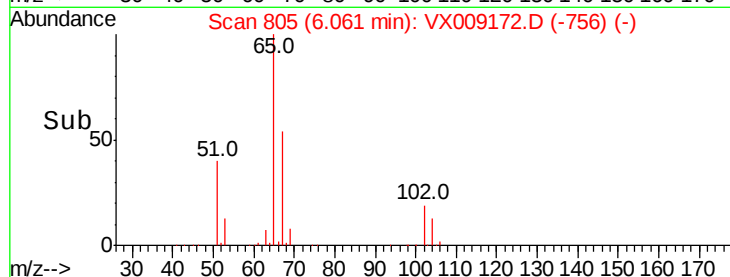
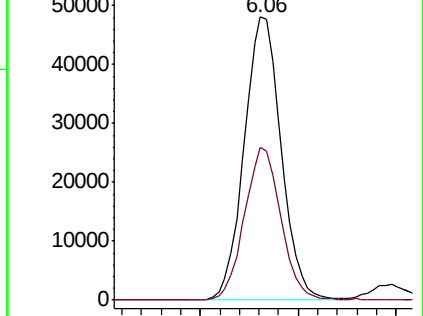
MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

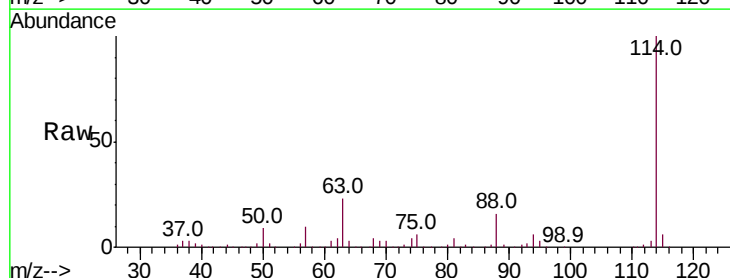
Tgt Ion: 114 Resp: 314293

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

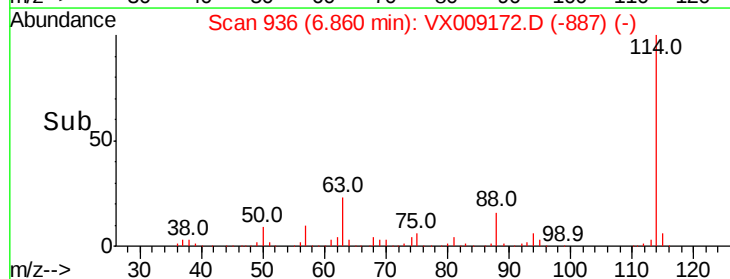
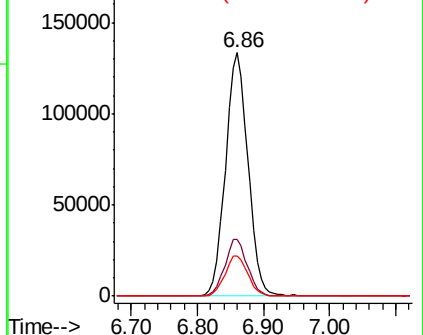
88 16.3 0.0 32.6

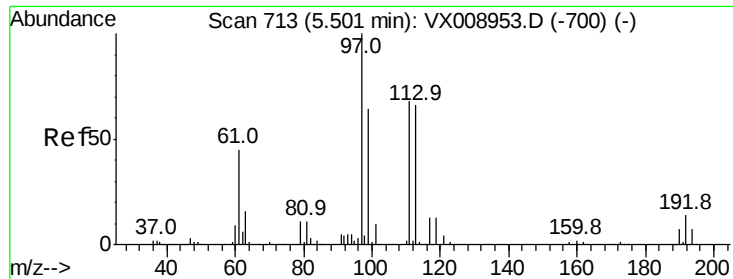


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.070 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

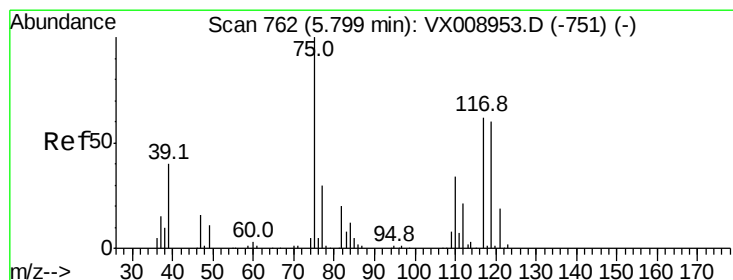
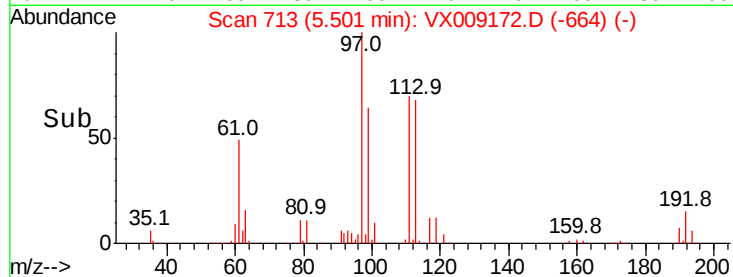
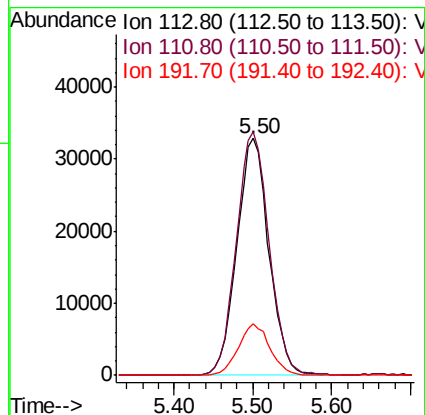
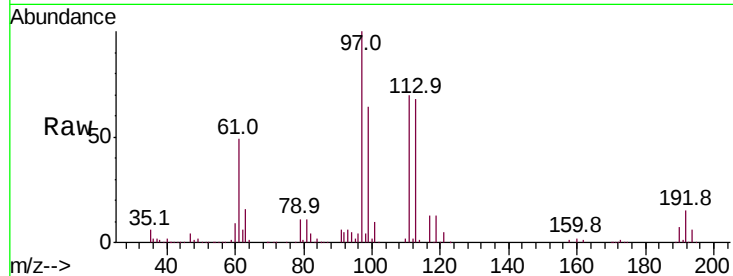
ClientSampleId :

S37-0016MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 92925 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.0 | 82.9  | 124.3 |
| 192      | 21.5  | 17.4  | 26.0  |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#36

1,1-Dichloropropene

Concen: 44.216 ug/l

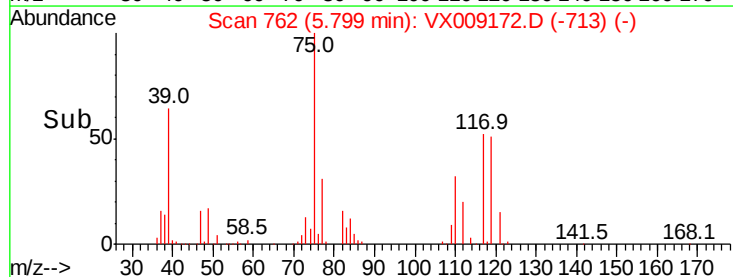
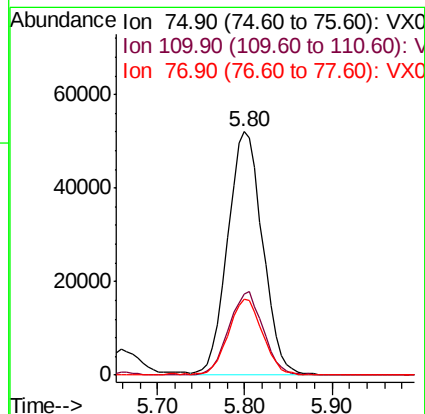
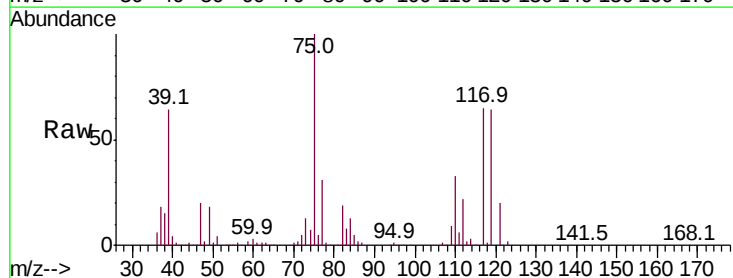
RT: 5.80 min Scan# 762

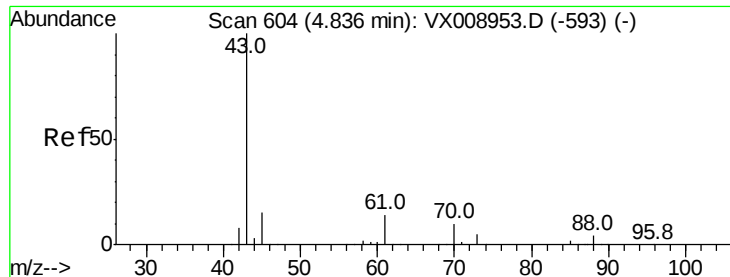
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 143724 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 34.1  | 16.9  | 50.7   |
| 77       | 30.7  | 25.0  | 37.4   |





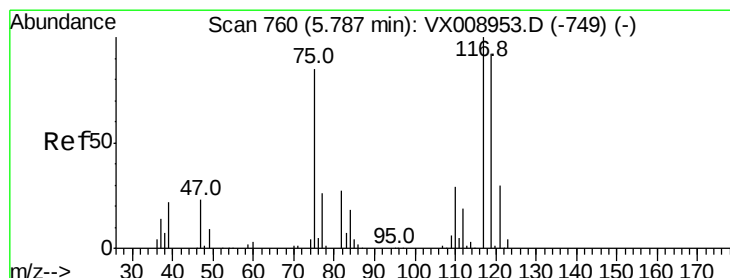
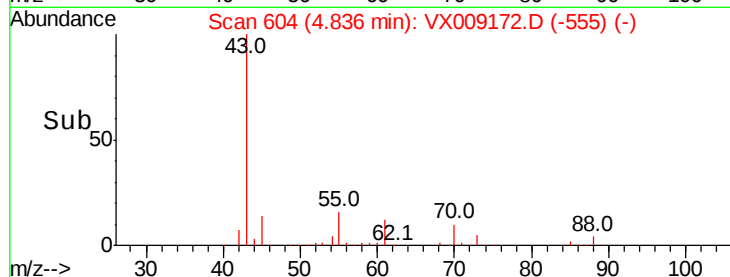
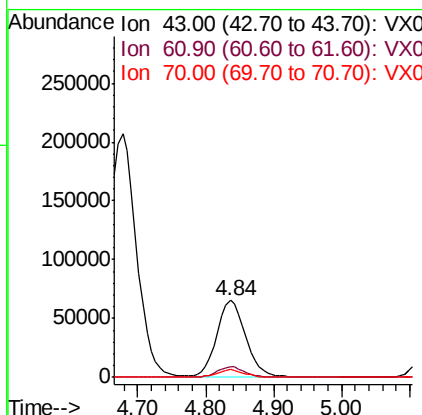
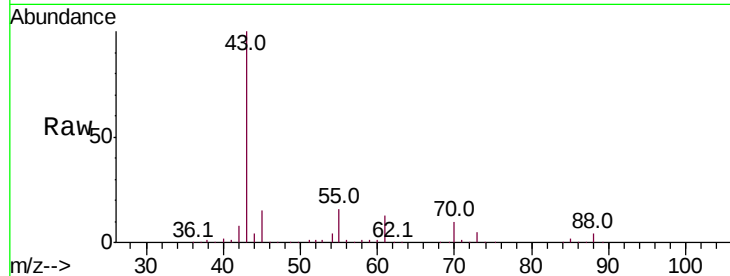
#37  
Ethyl Acetate  
Concen: 46.285 ug/l  
RT: 4.84 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampled :  
S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.9  | 10.6  | 15.8  |
| 70      | 9.4   | 7.7   | 11.5  |

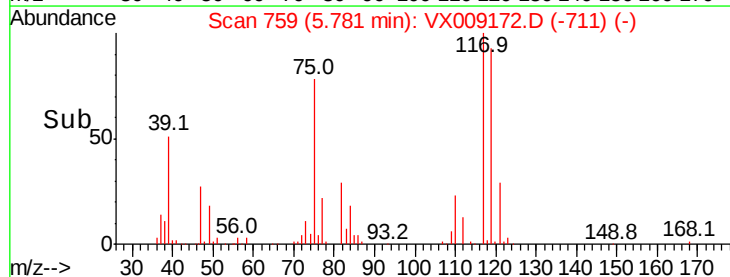
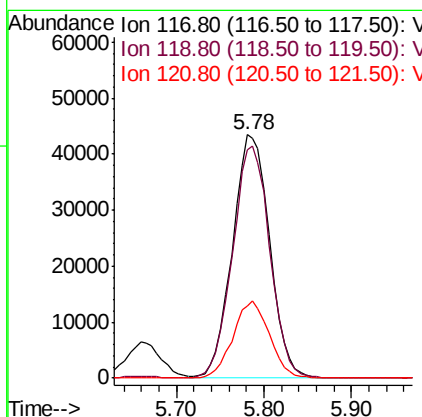
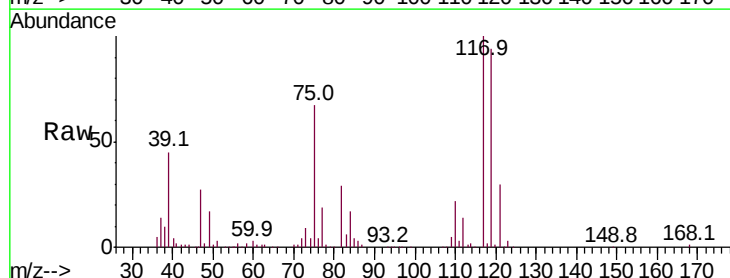
Manual Integrations  
APPROVED

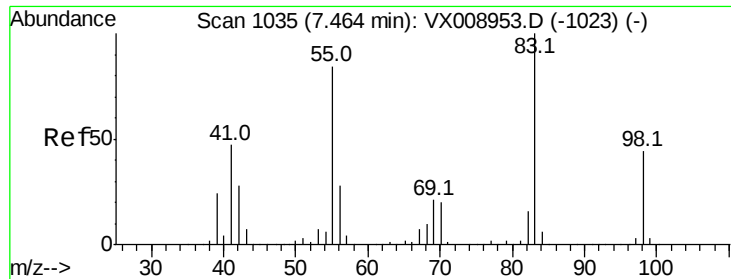
MMDadoda  
4/26/2019 10:05:26 AM



#38  
Carbon Tetrachloride  
Concen: 46.587 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.9  | 73.8  | 110.8 |
| 121     | 29.8  | 23.6  | 35.4  |





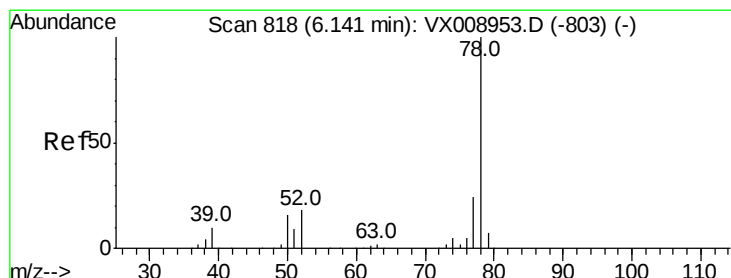
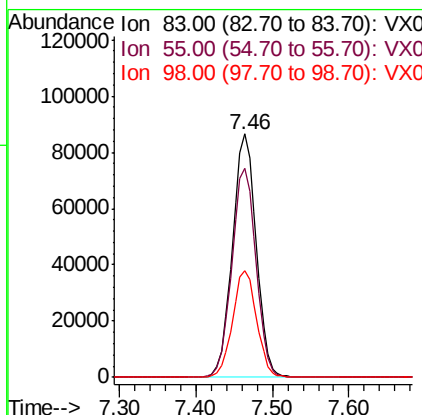
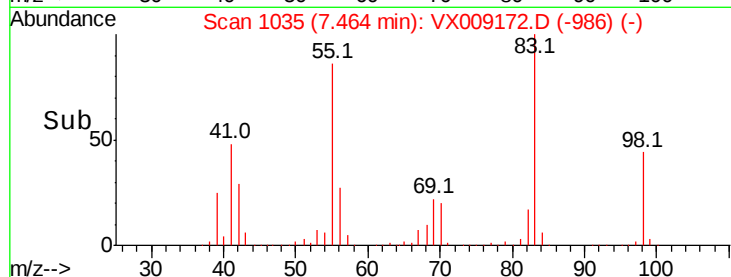
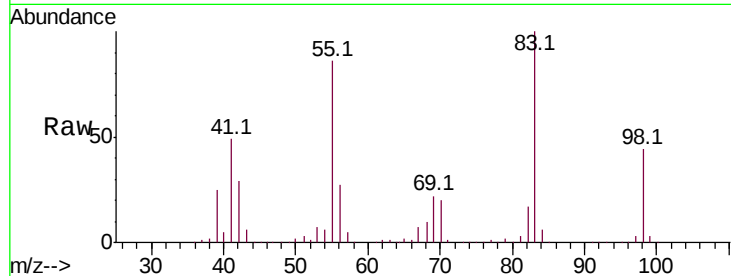
#39  
Methvlcvclohexane  
Concen: 47.011 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.0  | 67.1  | 100.7 |
| 98      | 43.6  | 35.1  | 52.7  |

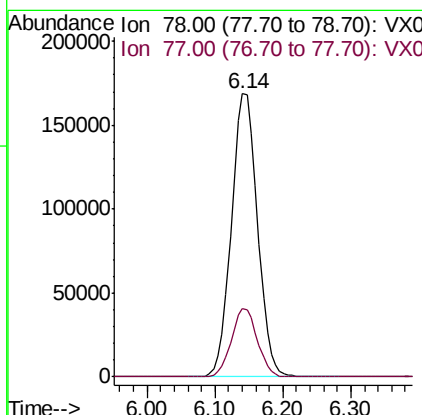
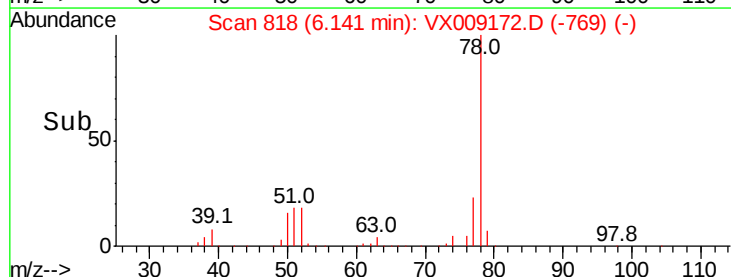
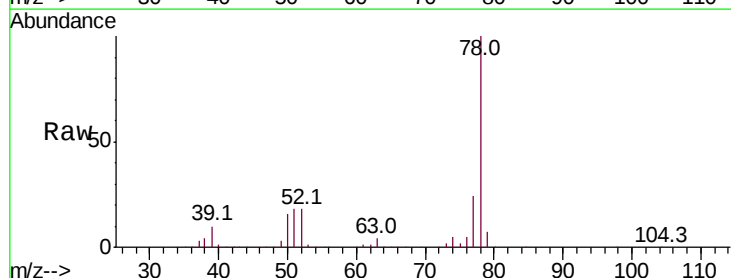
Manual Integrations  
APPROVED

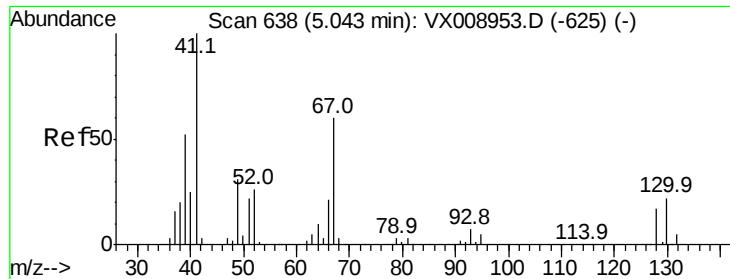
MMDadoda  
4/26/2019 10:05:26 AM



#40  
Benzene  
Concen: 46.935 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.0  | 28.6  |





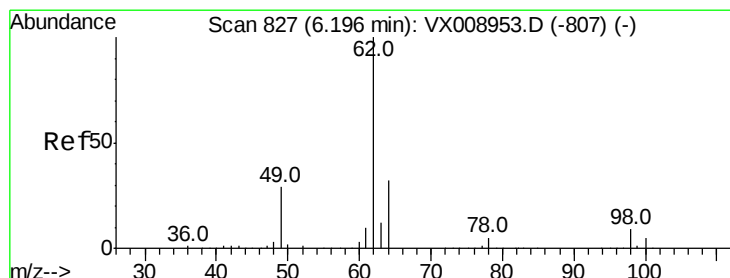
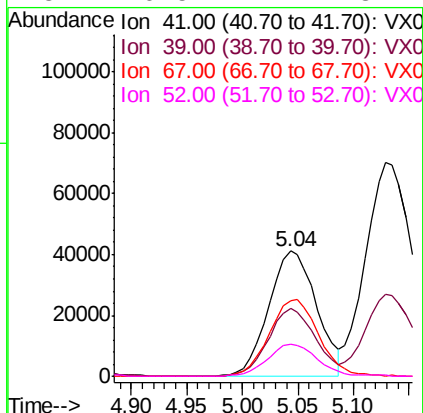
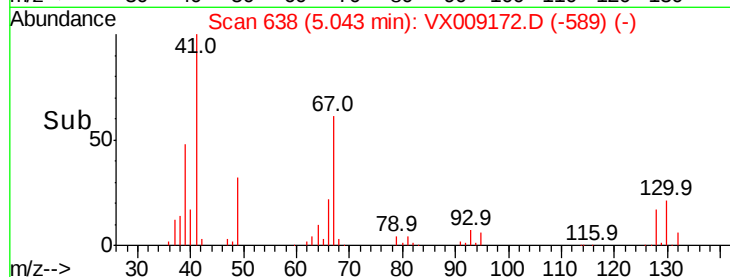
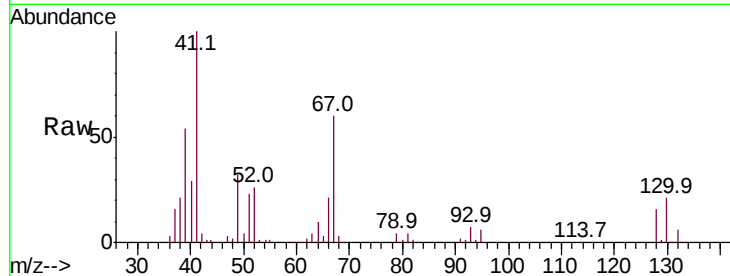
#41  
Methacrylonitrile  
Concen: 51.168 ug/l  
RT: 5.04 min Scan# 638  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.7 | 41.8  | 62.6  |       |
| 67      | 63.6 | 50.2  | 75.4  |       |
| 52      | 26.5 | 21.1  | 31.7  |       |

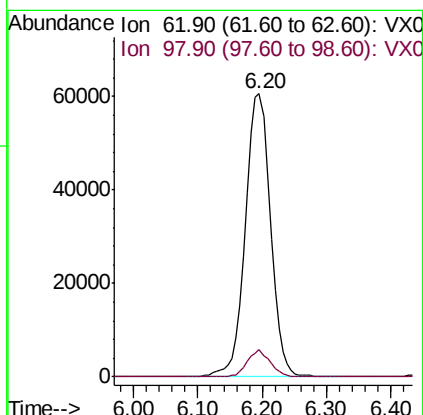
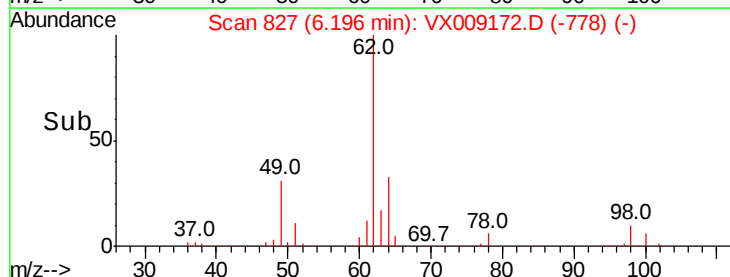
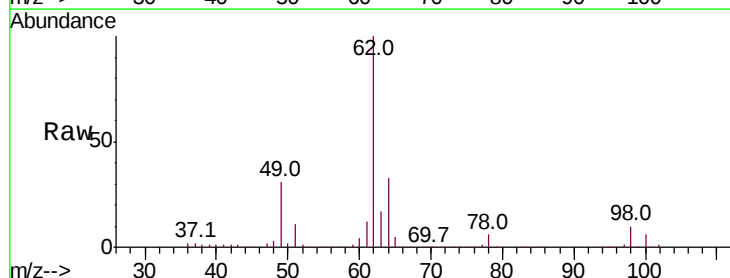
Manual Integrations  
APPROVED

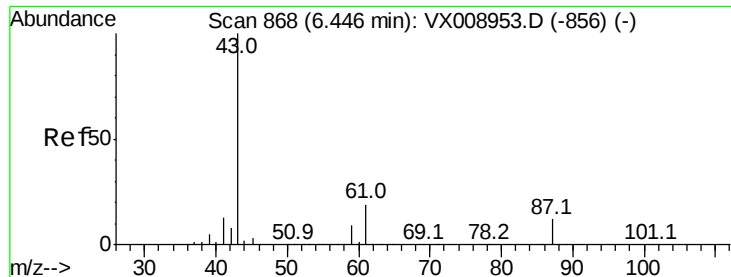
MMDadoda  
4/26/2019 10:05:26 AM



#42  
1,2-Dichloroethane  
Concen: 47.578 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.8 | 0.0   | 18.4  |       |





#43

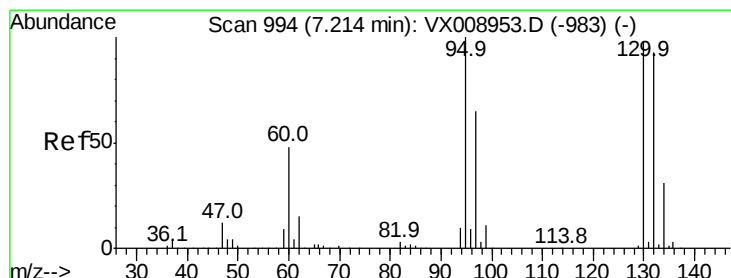
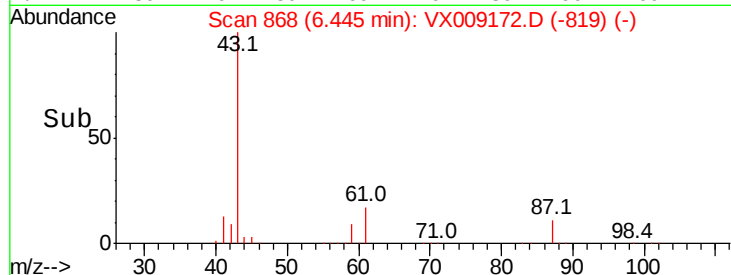
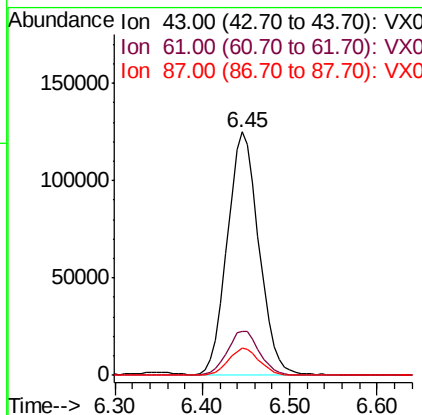
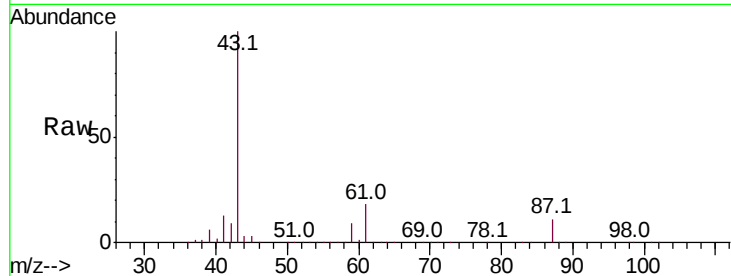
Isopropyl Acetate  
 Concen: 46.254 ug/l  
 RT: 6.45 min Scan# 868  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 15.4  | 23.0  |
| 87      | 11.2  | 9.0   | 13.4  |

Manual Integrations  
 APPROVED

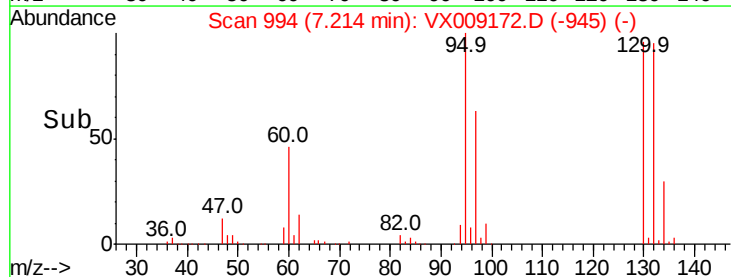
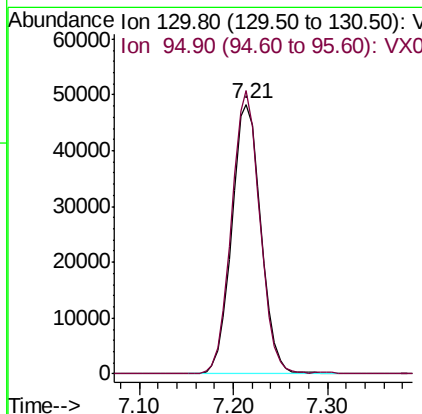
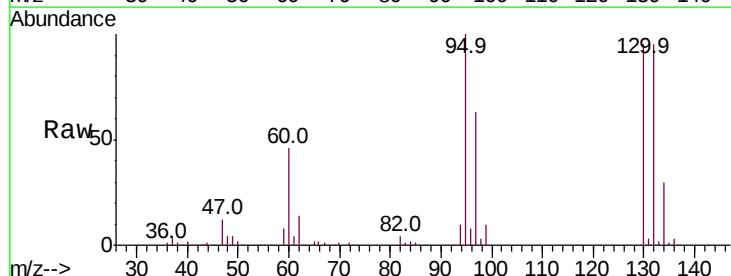
MMDadoda  
 4/26/2019 10:05:26 AM

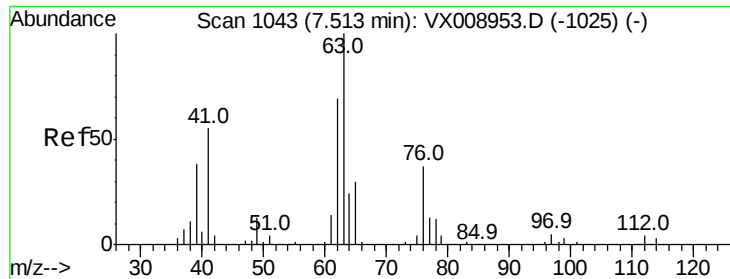


#44

Trichloroethene  
 Concen: 44.316 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 104.9 | 0.0   | 203.2 |





#45

1,2-Dichloropropane

Concen: 48.229 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 63 Resp: 128302

Ion Ratio Lower Upper

63 100

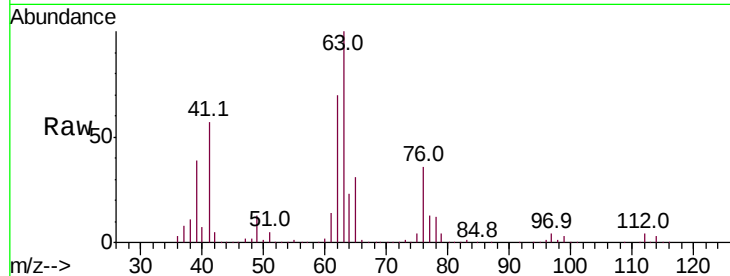
65 30.9 24.1 36.1

Manual Integrations

APPROVED

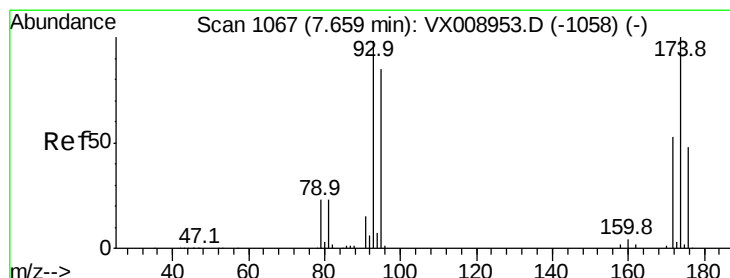
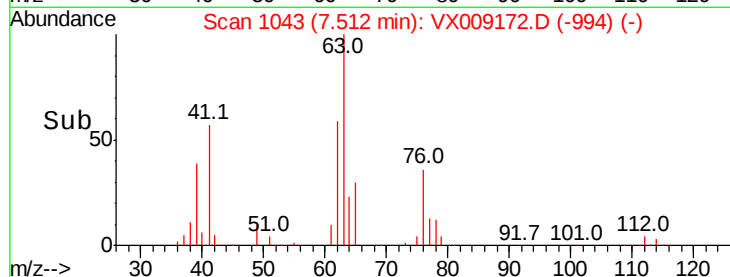
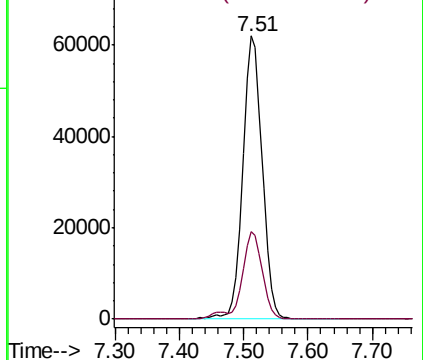
MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.467 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

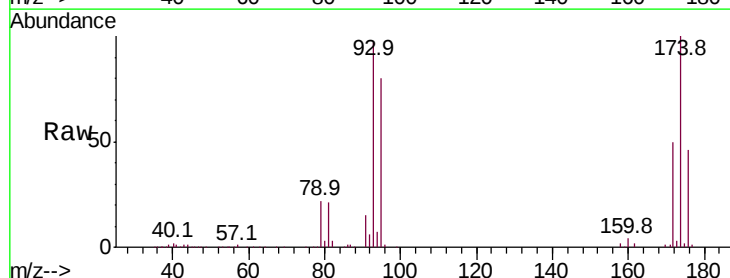
Tgt Ion: 93 Resp: 73488

Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.4

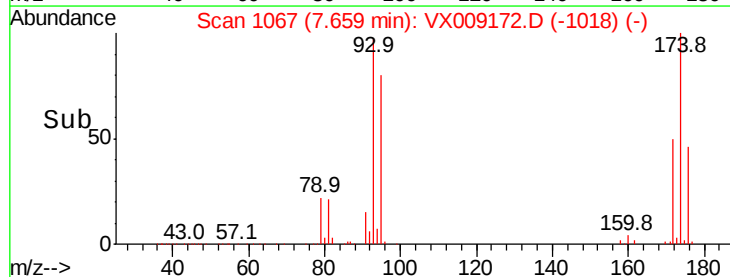
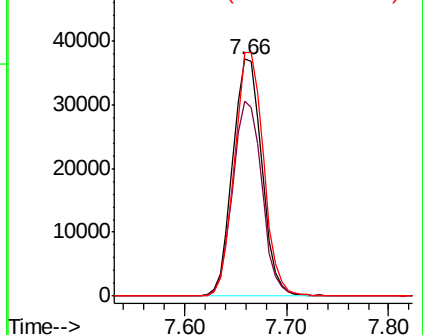
174 102.7 81.6 122.4

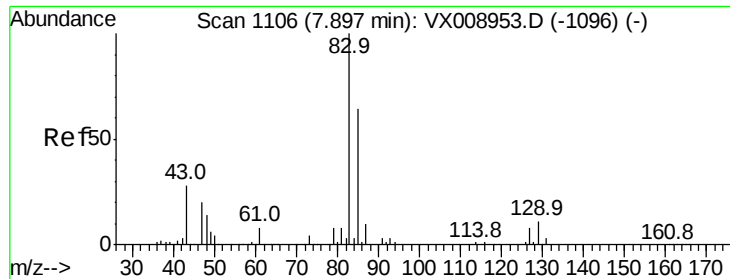


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.976 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

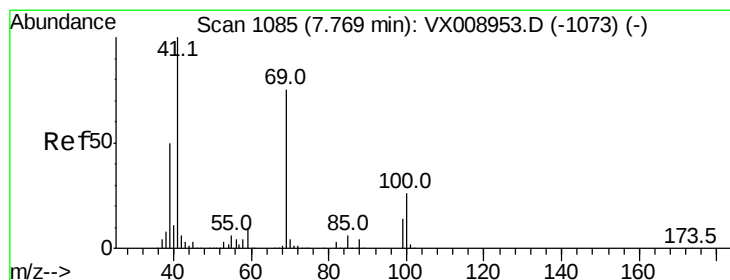
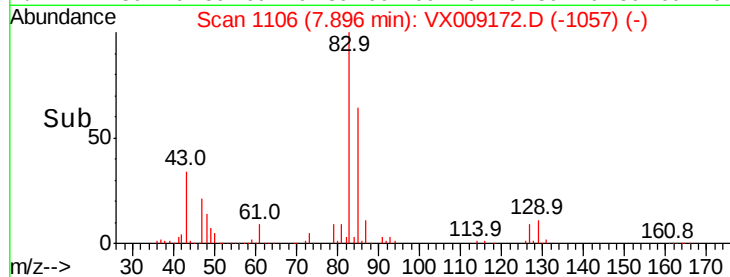
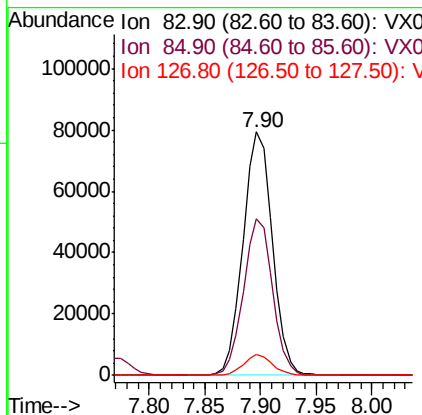
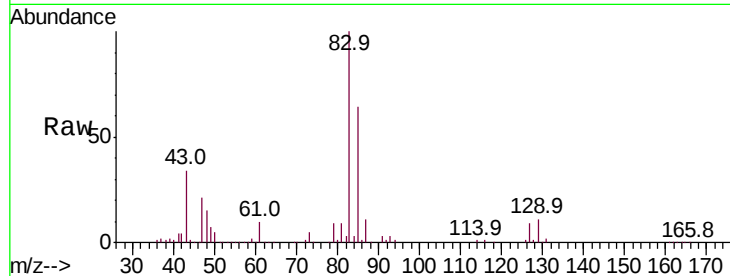
ClientSampled :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 145683 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 50.8  | 76.2   |
| 127       | 8.5   | 6.4   | 9.6    |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#48

Methyl methacrylate

Concen: 51.298 ug/l

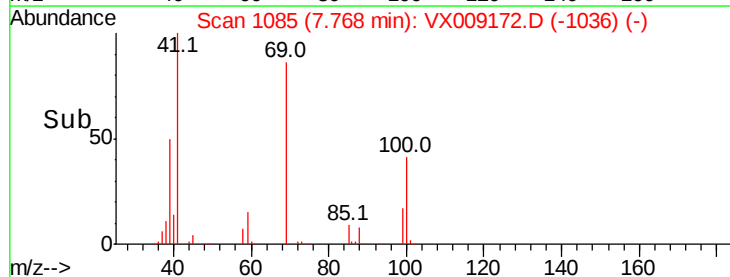
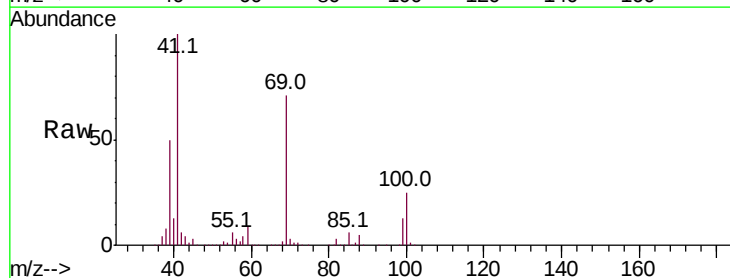
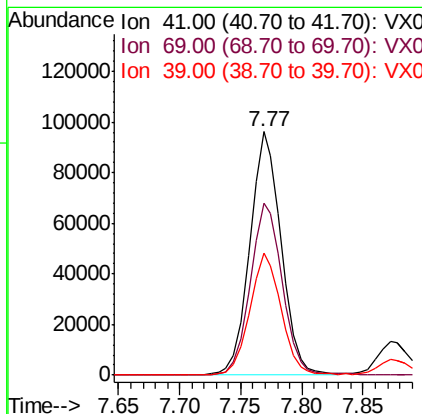
RT: 7.77 min Scan# 1085

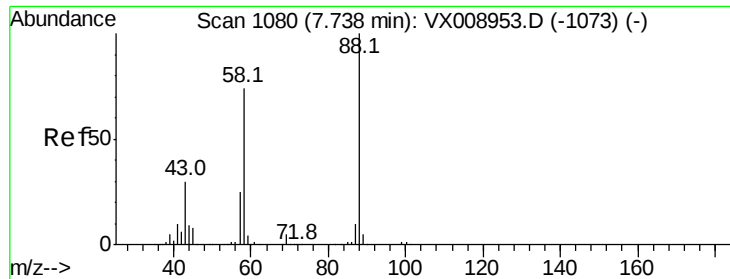
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 170846 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.6  | 59.4  | 89.2   |
| 39        | 50.0  | 39.8  | 59.6   |





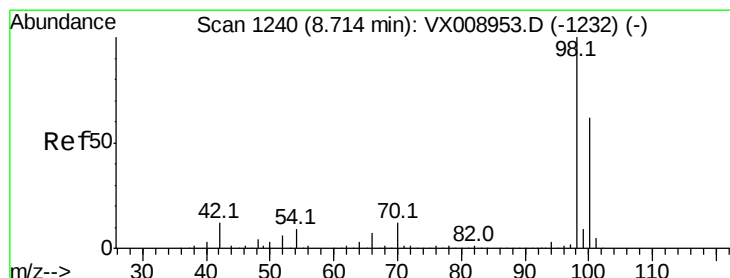
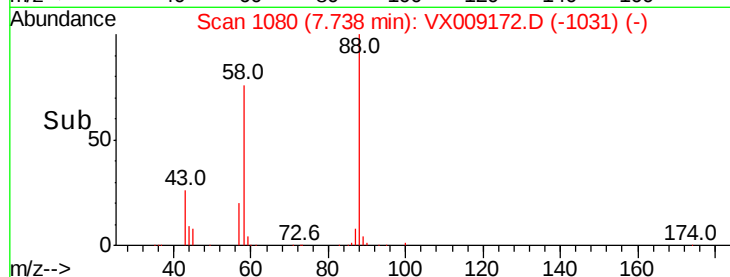
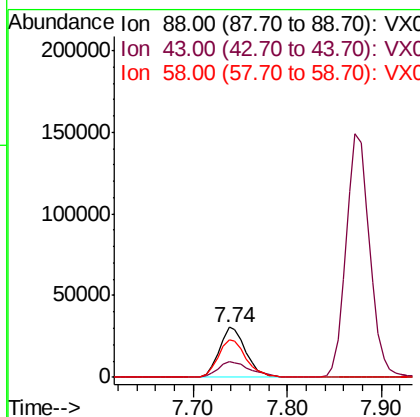
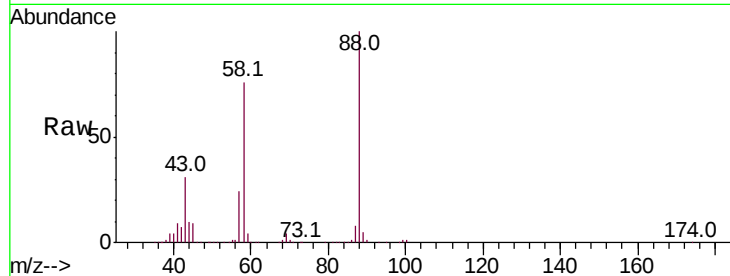
#49  
1,4-Dioxane  
Concen: 967.841 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.9  | 29.3  | 43.9  |
| 58      | 80.0  | 62.6  | 93.8  |

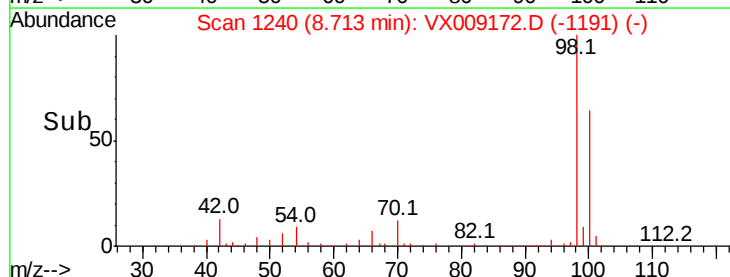
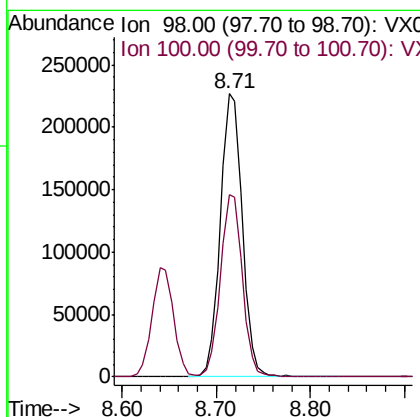
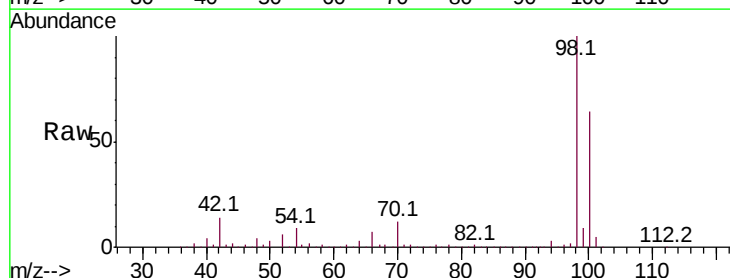
Manual Integrations  
APPROVED

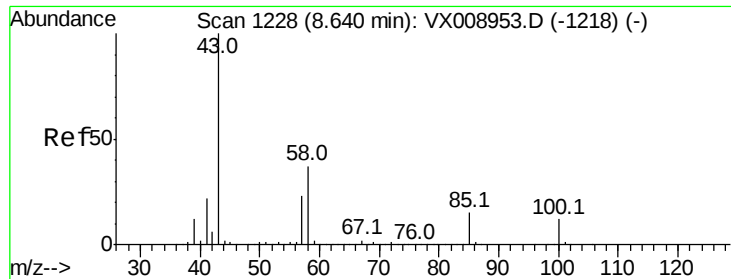
MMdadoda  
4/26/2019 10:05:26 AM



#50  
Toluene-d8  
Concen: 45.514 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.4  | 77.2  |





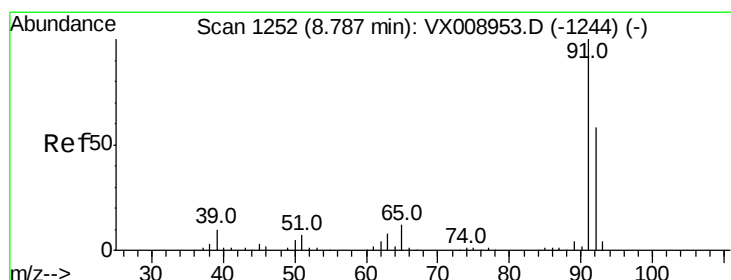
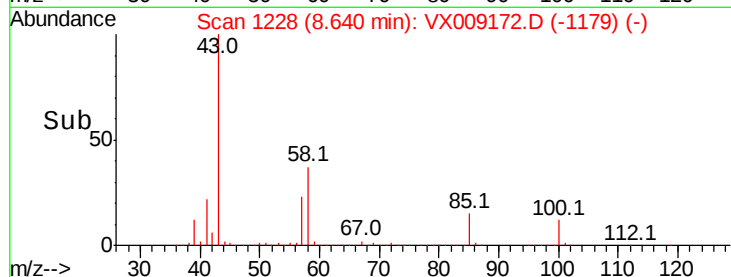
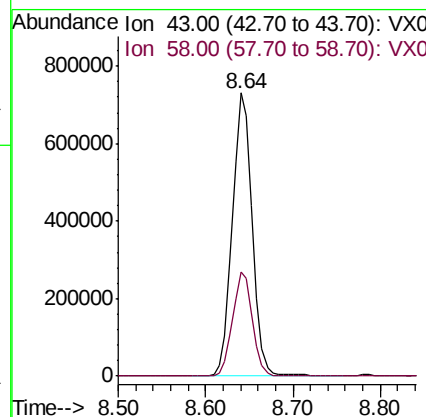
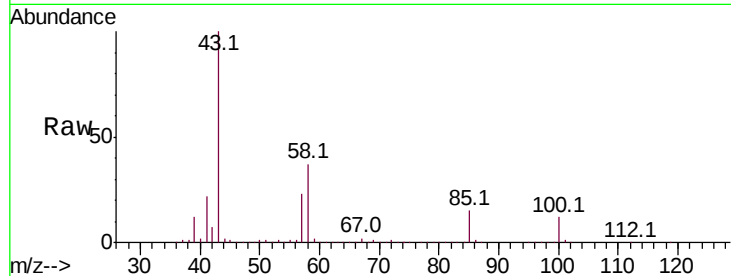
#51  
4-Methyl-2-Pentanone  
Concen: 268.502 ug/l  
RT: 8.64 min Scan# 1228  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Tot Ion: 43 Resp: 1152967  
Ion Ratio Lower Upper  
43 100  
58 36.6 29.8 44.6

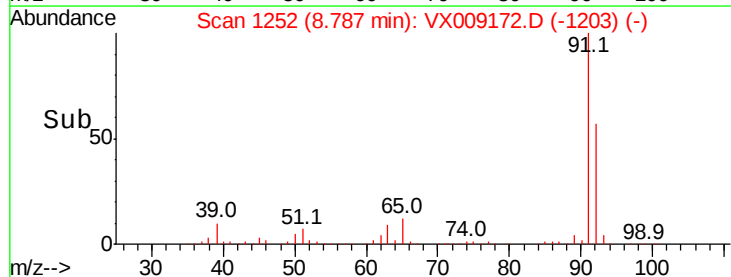
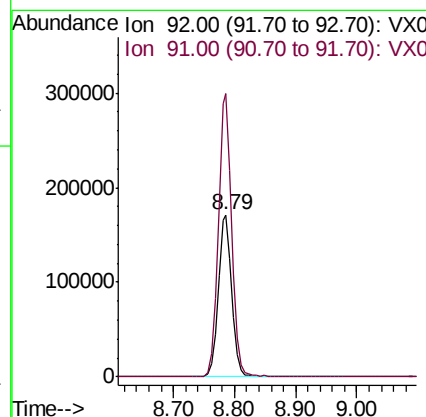
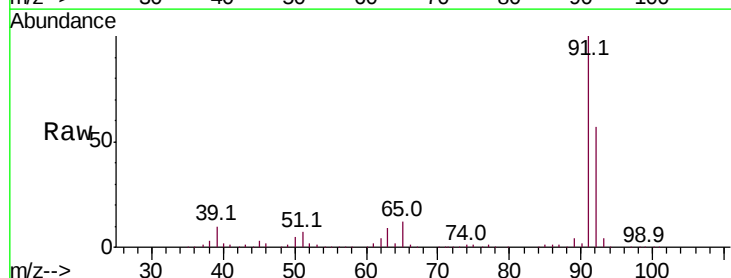
Manual Integrations  
APPROVED

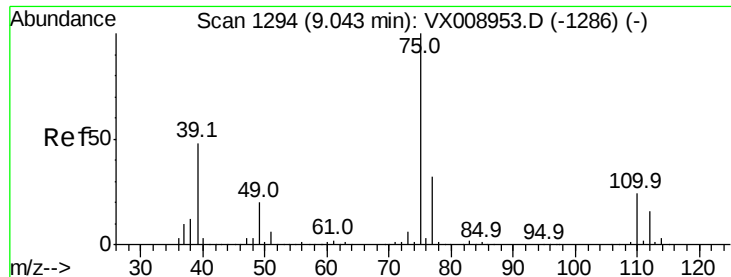
MMDadoda  
4/26/2019 10:05:26 AM



#52  
Toluene  
Concen: 46.948 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Tgt Ion: 92 Resp: 269804  
Ion Ratio Lower Upper  
92 100  
91 174.4 138.5 207.7





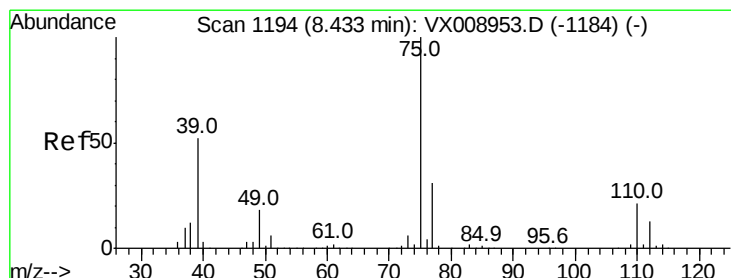
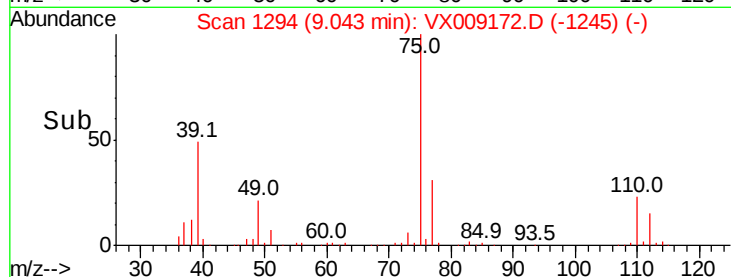
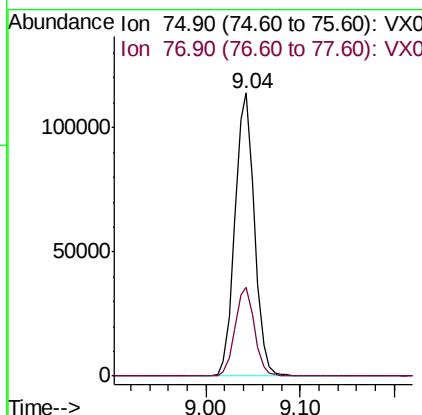
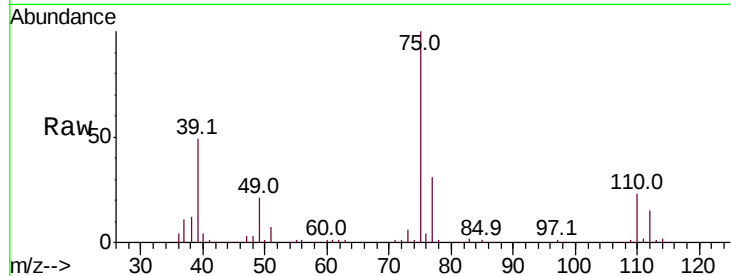
#53  
t-1,3-Dichloropropene  
Concen: 46.694 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampled :  
S37-0016MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 163182 |       |       |
| 77      | 31.4  | 25.4   | 38.2  |       |

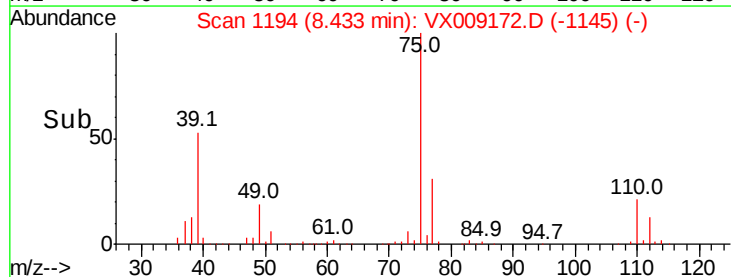
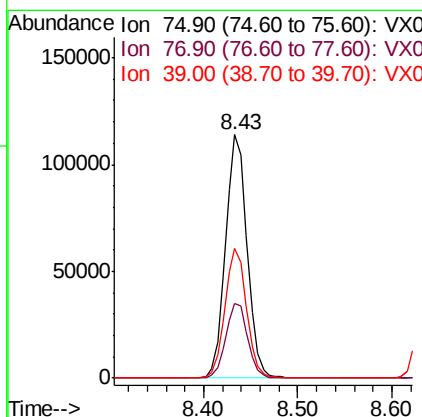
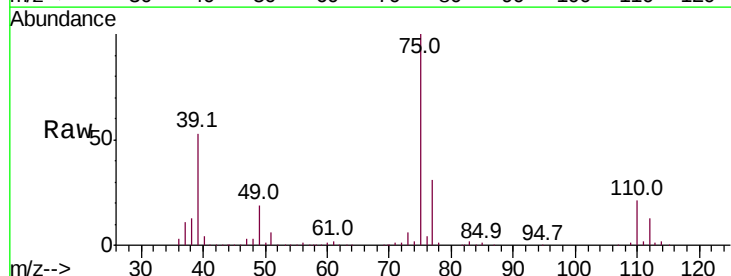
Manual Integrations  
APPROVED

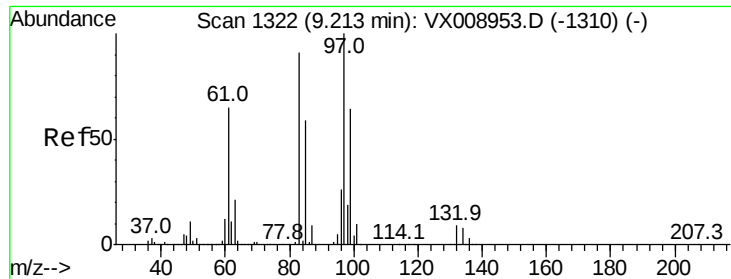
MMDadoda  
4/26/2019 10:05:26 AM



#54  
cis-1,3-Dichloropropene  
Concen: 46.079 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 180314 |       |       |
| 77      | 30.6  | 24.8   | 37.2  |       |
| 39      | 52.9  | 41.8   | 62.6  |       |





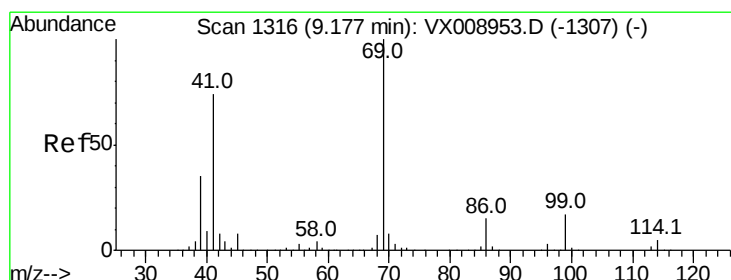
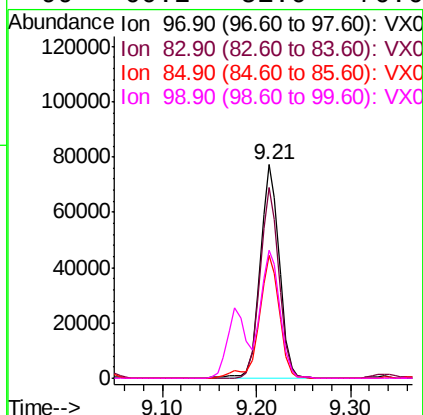
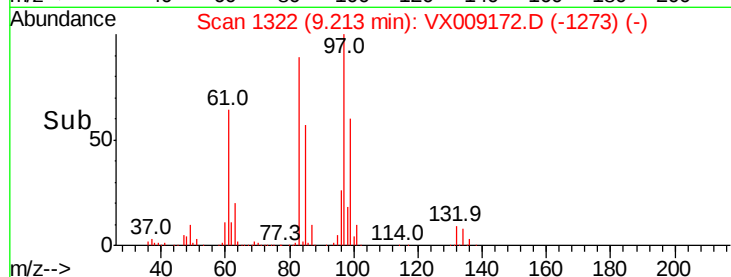
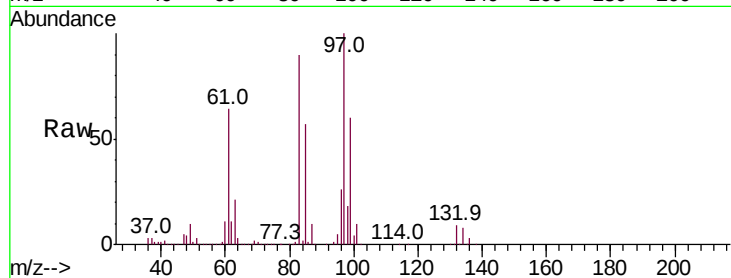
#55  
 1,1,2-Trichloroethane  
 Concen: 49.092 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 111815 |       |       |
| 83      | 89.6  | 72.6   | 108.8 |       |
| 85      | 57.3  | 46.9   | 70.3  |       |
| 99      | 60.2  | 51.0   | 76.6  |       |

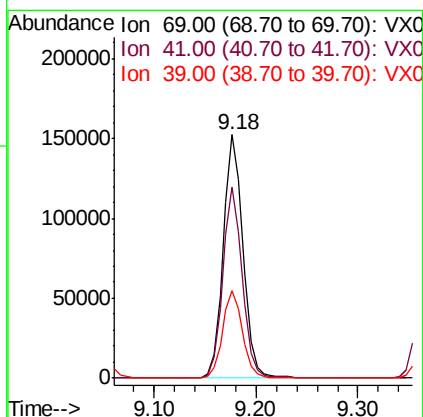
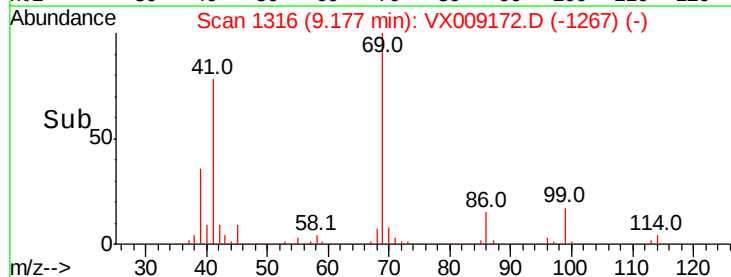
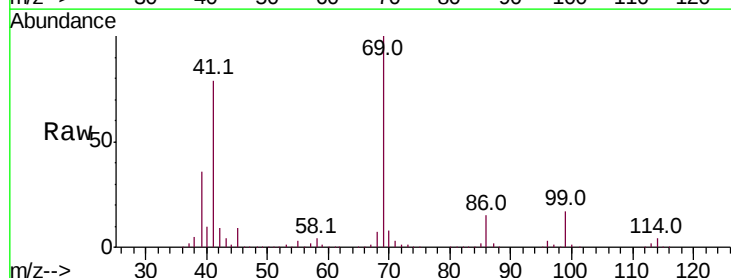
Manual Integrations  
 APPROVED

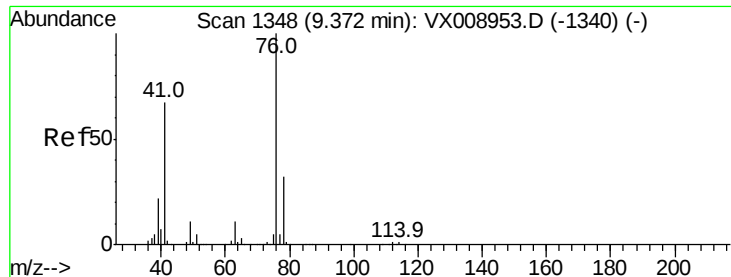
MMdadoda  
 4/26/2019 10:05:26 AM



#56  
 Ethyl methacrylate  
 Concen: 50.157 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 204846 |       |       |
| 41      | 77.3  | 60.2   | 90.2  |       |
| 39      | 35.9  | 27.9   | 41.9  |       |





#57

1,3-Dichloropropane

Concen: 48.459 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 76 Resp: 196519

Ion Ratio Lower Upper

76 100

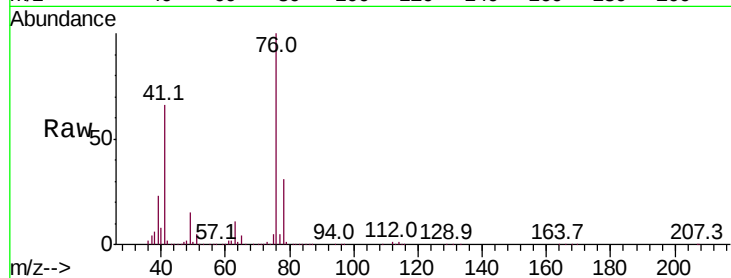
78 31.7 25.7 38.5

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

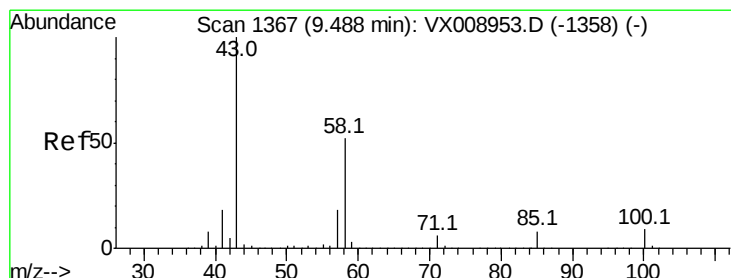
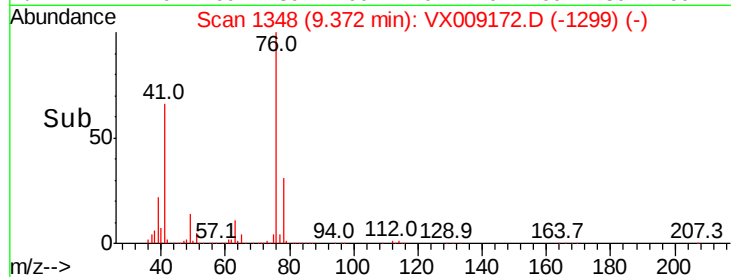
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 273.401 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009172.D

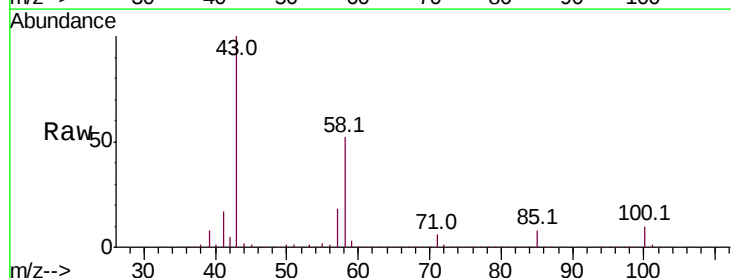
Acq: 25 Apr 2019 19:03

Tgt Ion: 43 Resp: 905135

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

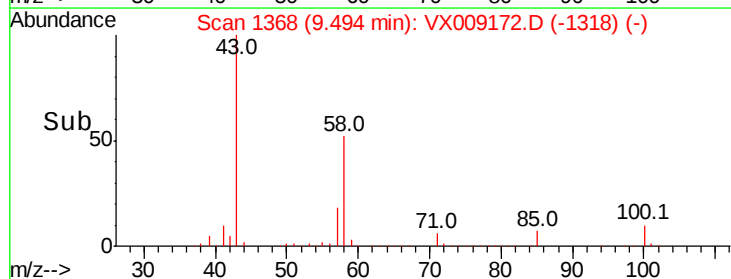
600000

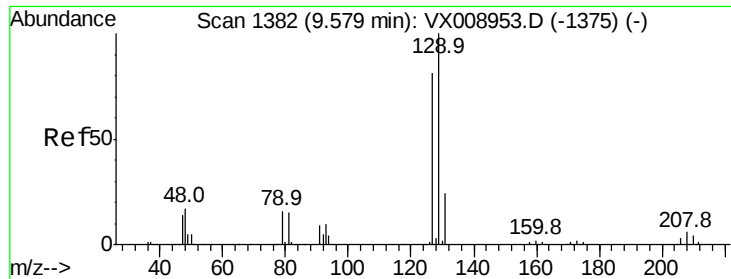
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 50.052 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion:129 Resp: 109261

Ion Ratio Lower Upper

129 100

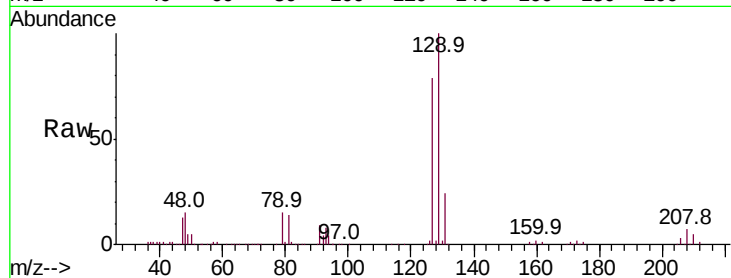
127 78.0 39.1 117.2

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

80000

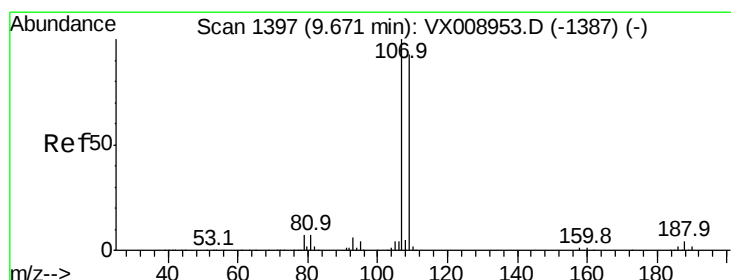
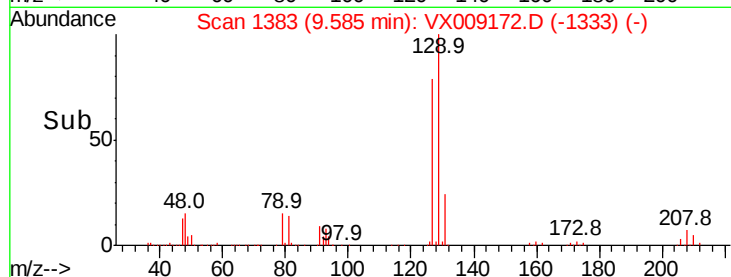
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.202 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009172.D

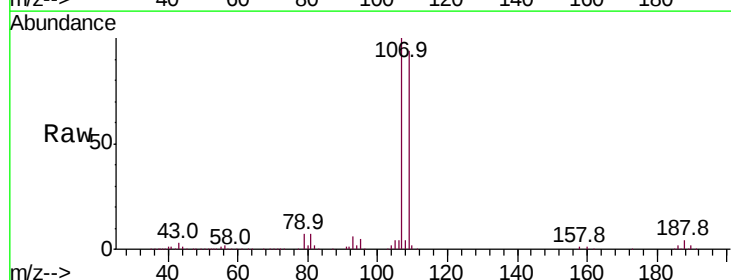
Acq: 25 Apr 2019 19:03

Tgt Ion:107 Resp: 113311

Ion Ratio Lower Upper

107 100

109 94.2 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

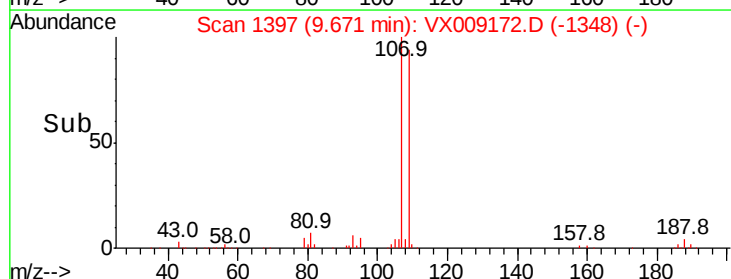
60000

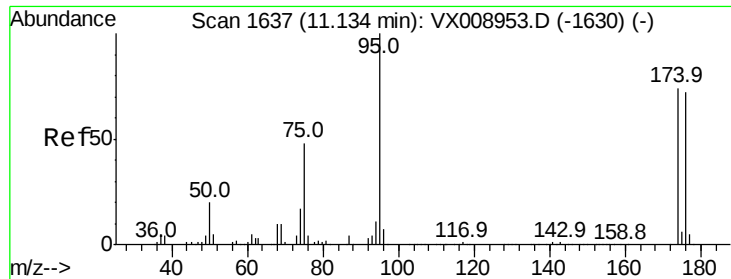
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.671 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

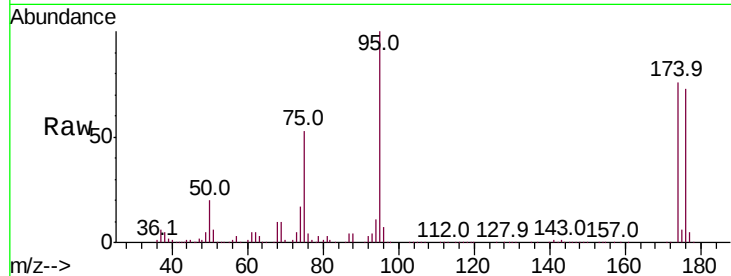
ClientSampleId :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 135366 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 79.9  | 0.0   | 159.6  |
| 176       | 78.0  | 0.0   | 154.8  |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

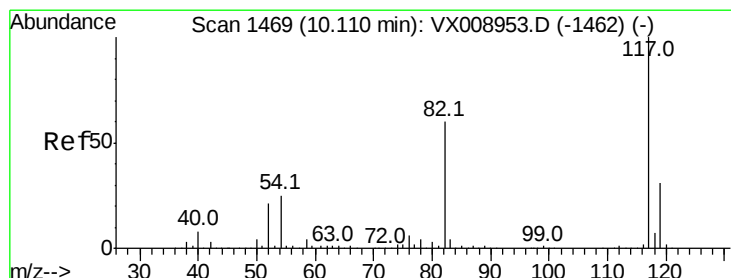
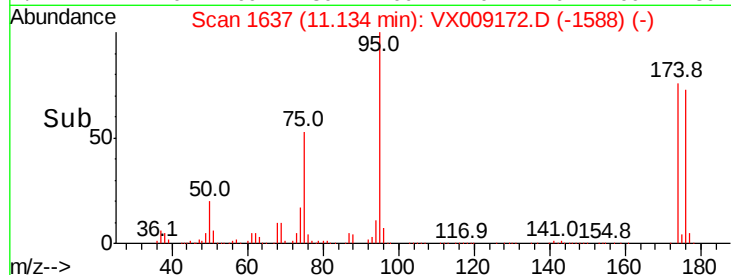
11.13

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

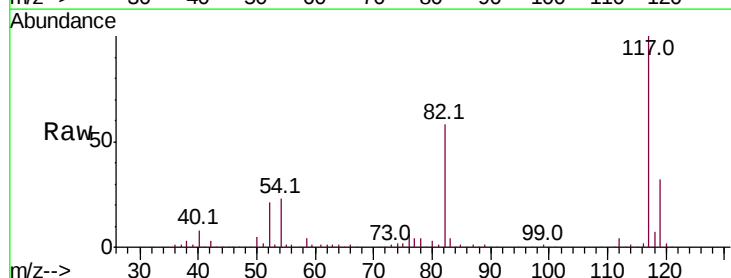
RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 283979 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.2  | 48.2  | 72.4   |
| 119       | 31.8  | 25.0  | 37.6   |



Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

10.12

250000

200000

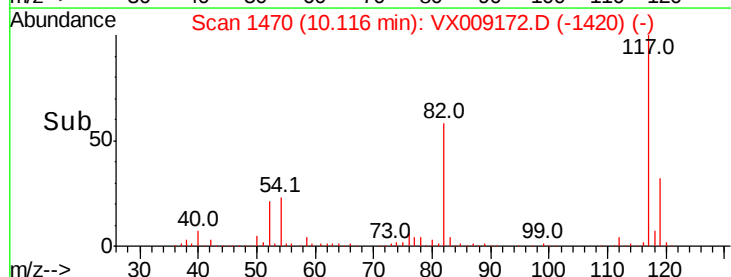
150000

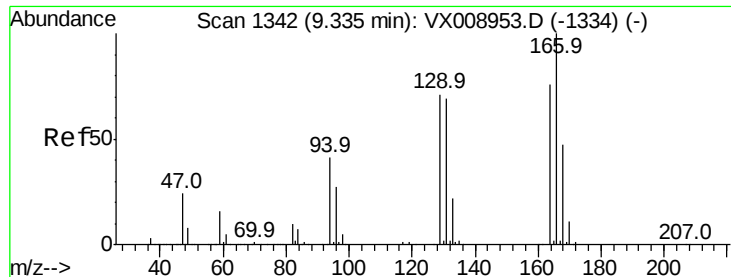
100000

50000

0

Time-->





#64

Tetrachloroethene

Concen: 41.768 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion:164 Resp: 90108

Ion Ratio Lower Upper

164 100

166 126.4 105.0 157.4

129 92.9 74.2 111.4

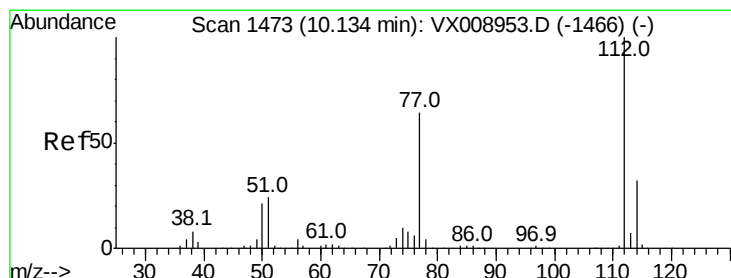
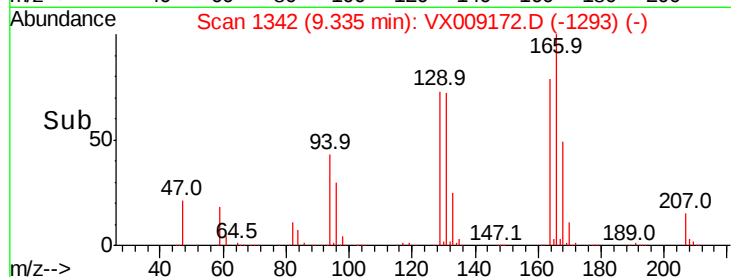
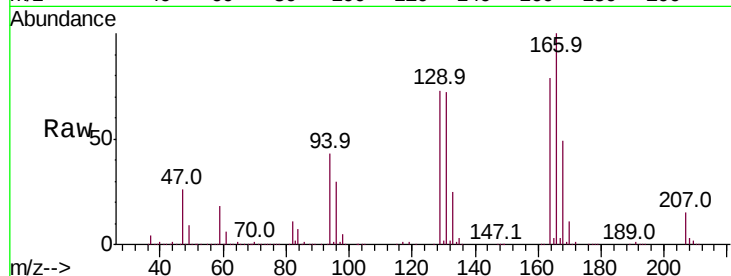
131 90.4 72.2 108.2

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#65

Chlorobenzene

Concen: 46.220 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009172.D

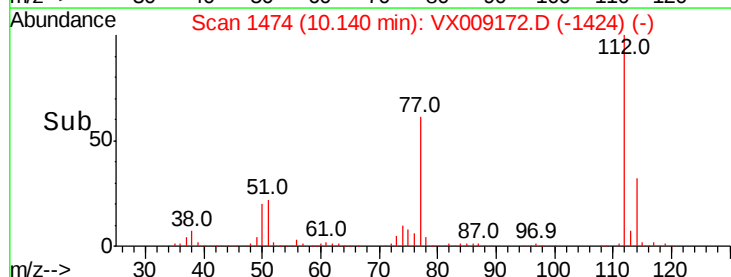
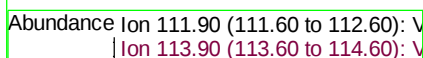
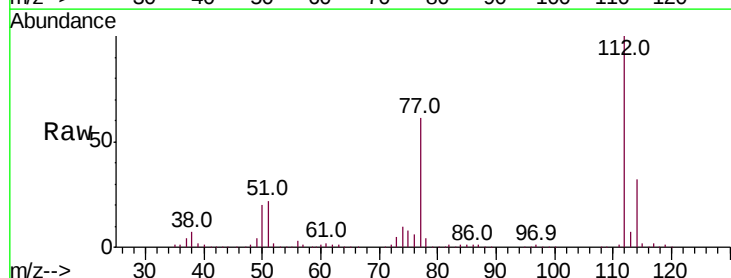
Acq: 25 Apr 2019 19:03

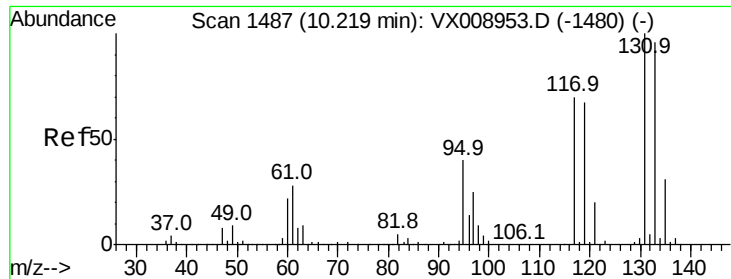
Tgt Ion:112 Resp: 277044

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 47.797 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

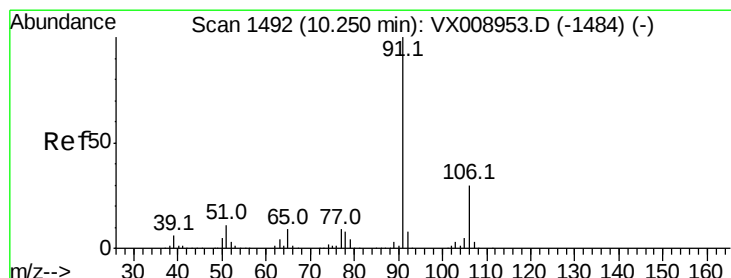
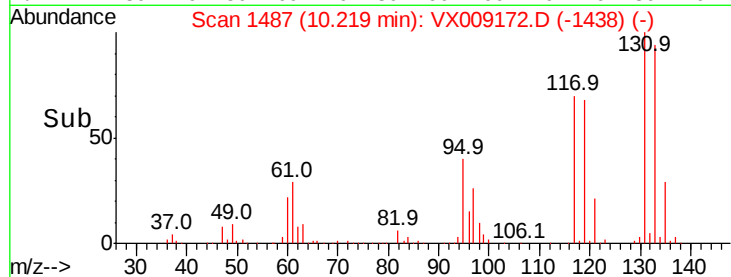
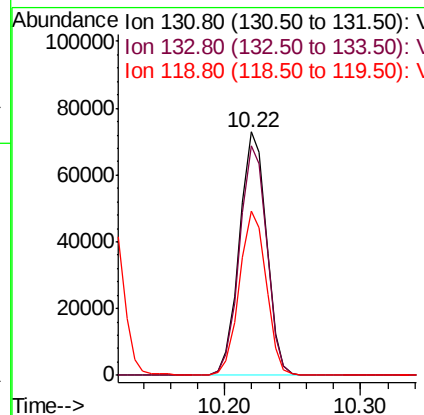
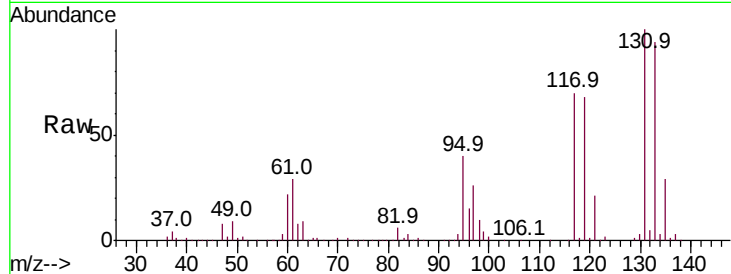
ClientSampleId :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 100928 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 94.8  | 48.0  | 144.2  |
| 119       | 67.0  | 33.7  | 101.1  |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#67

Ethyl Benzene

Concen: 46.827 ug/l

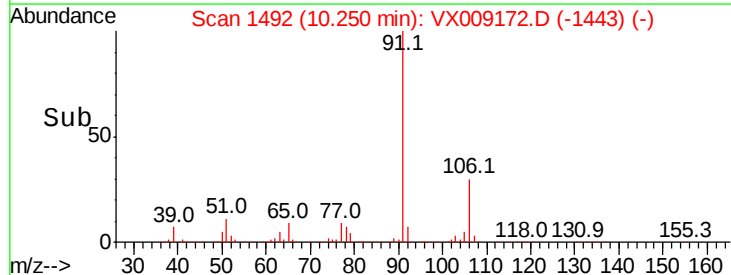
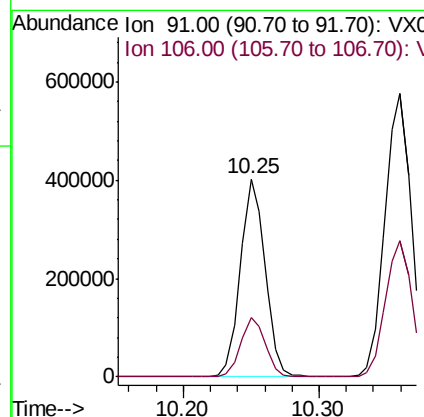
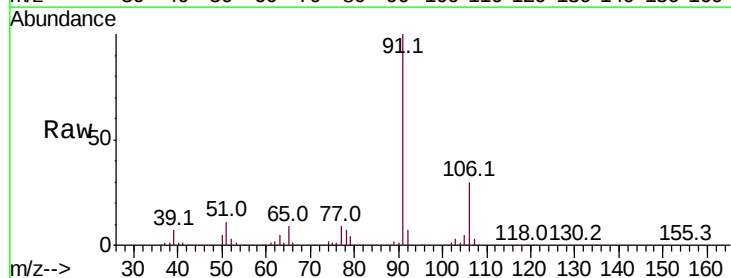
RT: 10.25 min Scan# 1492

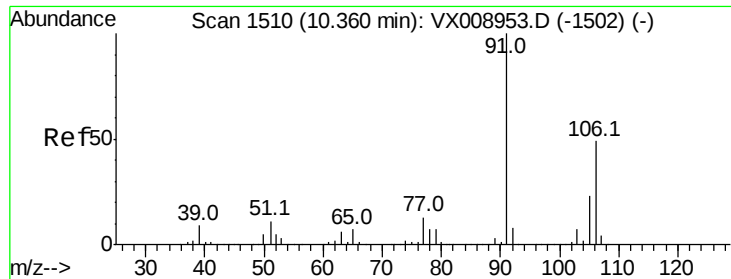
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 513102 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.0  | 24.3  | 36.5   |





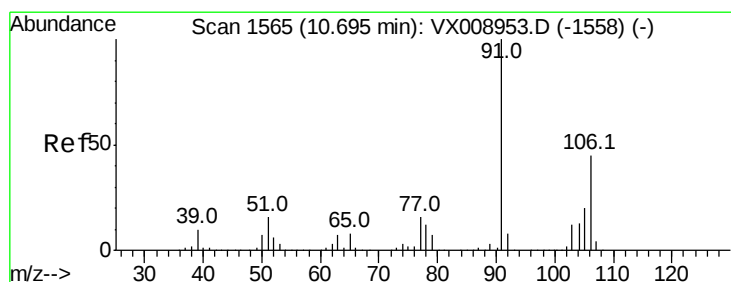
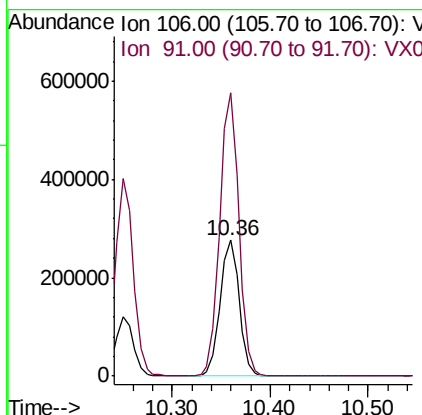
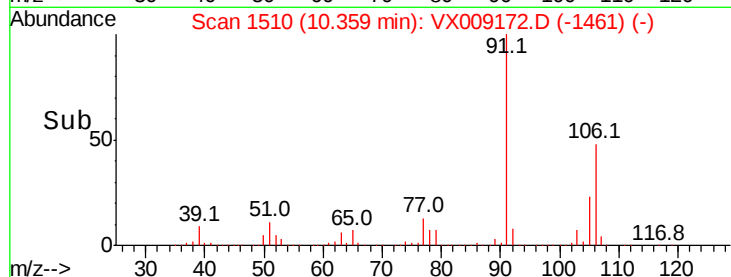
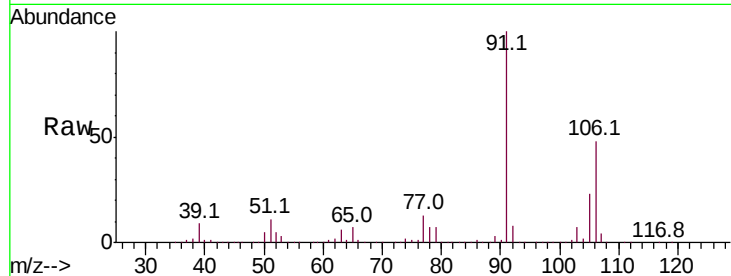
#68  
m/p-Xvlenes  
Concen: 94.439 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Tot Ion:106 Resp: 376072  
Ion Ratio Lower Upper  
106 100  
91 208.1 165.4 248.2

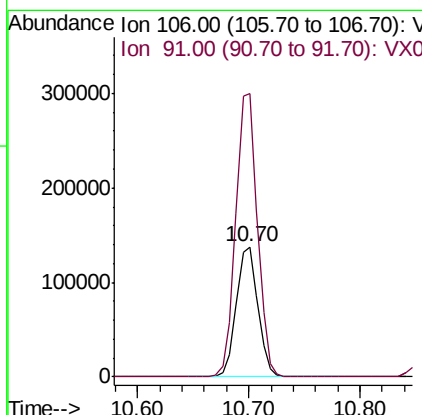
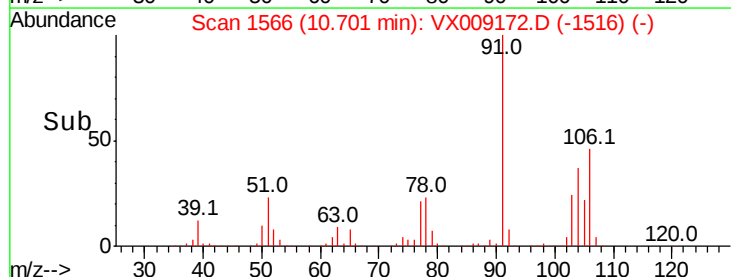
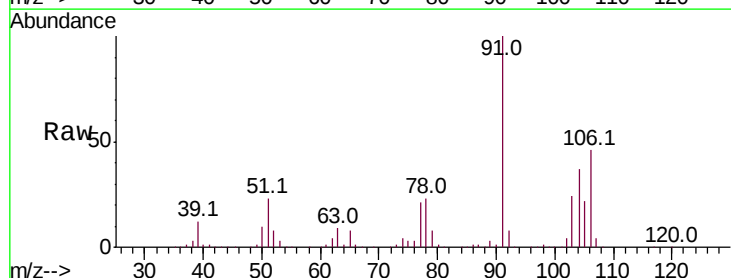
Manual Integrations  
APPROVED

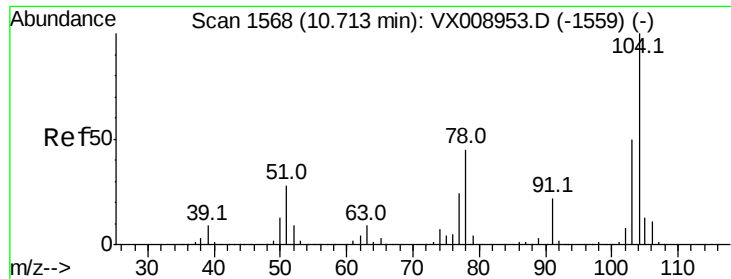
MMDadoda  
4/26/2019 10:05:26 AM



#69  
o-Xylene  
Concen: 47.594 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Tgt Ion:106 Resp: 184412  
Ion Ratio Lower Upper  
106 100  
91 219.3 108.9 326.7





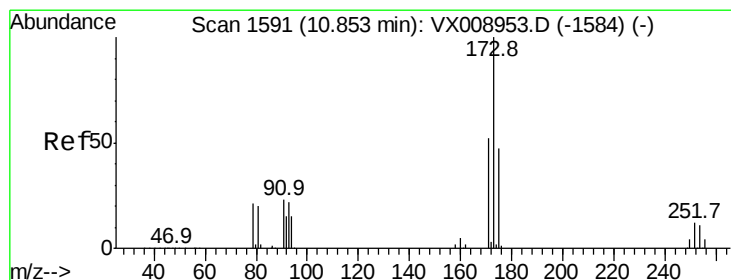
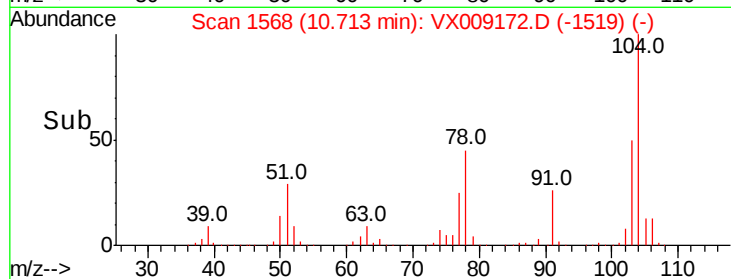
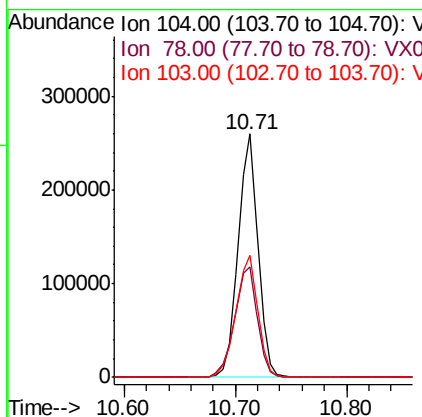
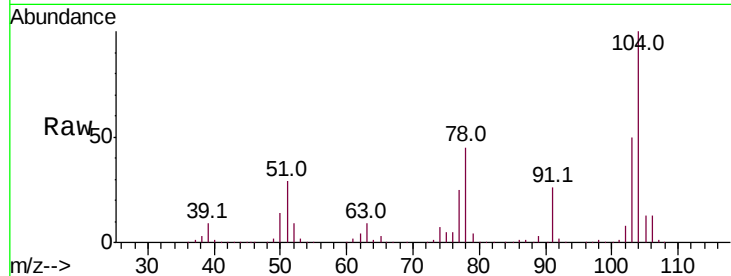
#70  
Stvrene  
Concen: 47.828 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 321147 |       |       |
| 78      | 51.9  | 41.2   | 61.8  |       |
| 103     | 55.6  | 43.9   | 65.9  |       |

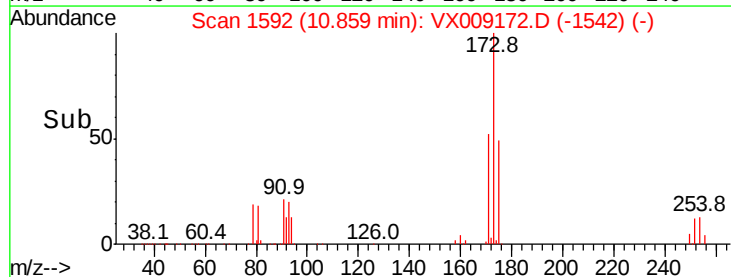
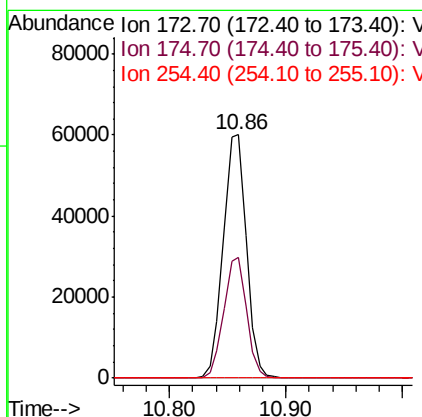
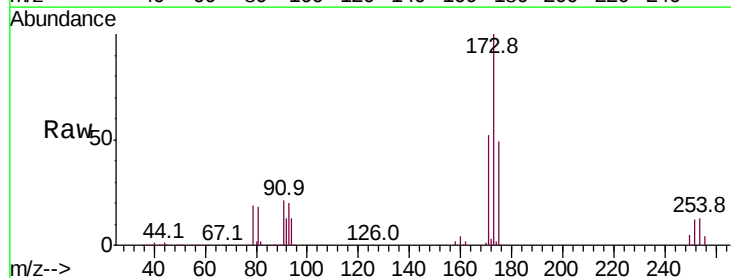
Manual Integrations  
APPROVED

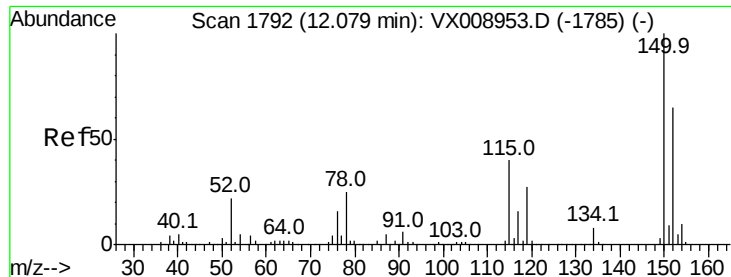
MMDadoda  
4/26/2019 10:05:26 AM



#71  
Bromoform  
Concen: 49.210 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. 0.01 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 82786 |       |       |
| 175     | 48.9  | 23.9  | 71.8  |       |
| 254     | 0.1   | 0.2   | 0.4#  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

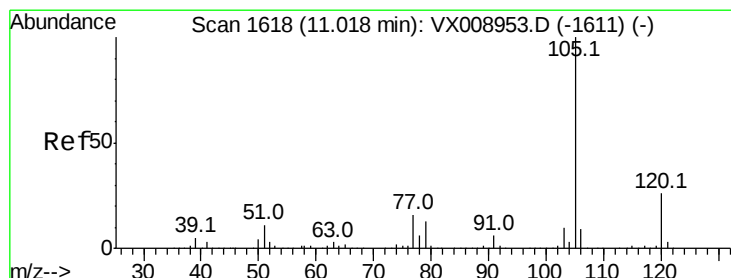
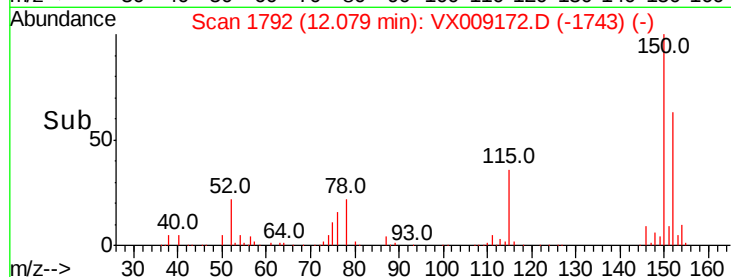
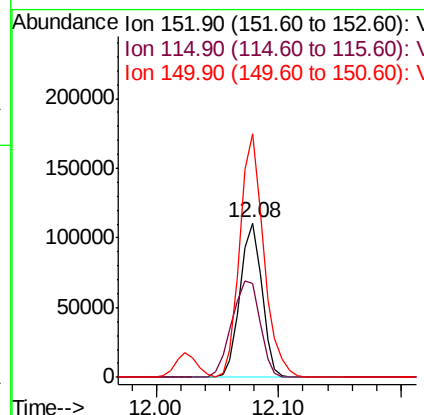
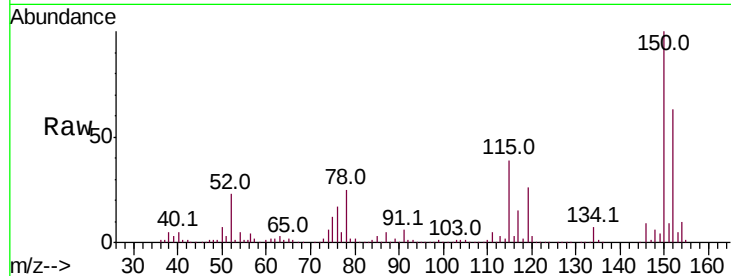
ClientSampleId :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 135900 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 81.6  | 41.4  | 124.2  |
| 150       | 172.6 | 0.0   | 349.8  |

Manual Integrations  
APPROVED

MMdadoda  
4/26/2019 10:05:26 AM



#73

Isopropylbenzene

Concen: 47.507 ug/l

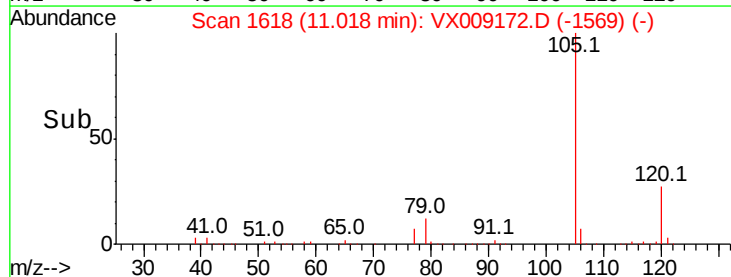
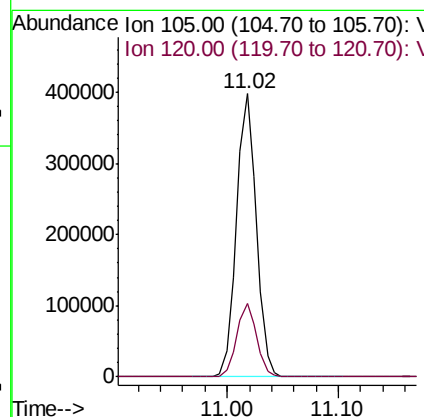
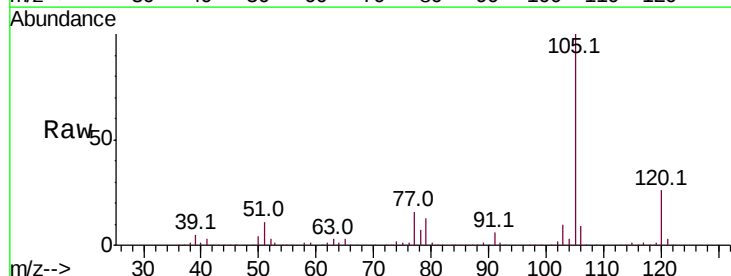
RT: 11.02 min Scan# 1618

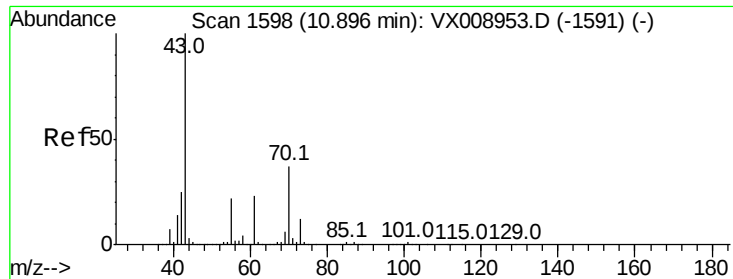
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 489375 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.9  | 12.9  | 38.7   |





#74

N-amvl acetate

Concen: 45.544 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

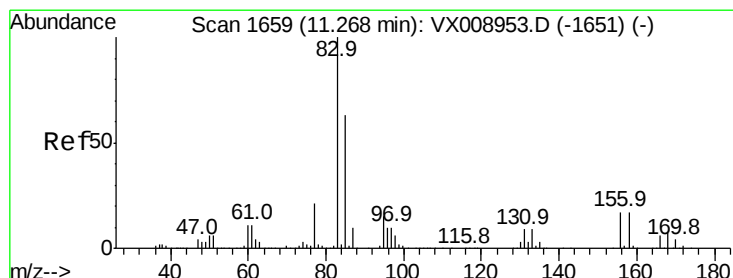
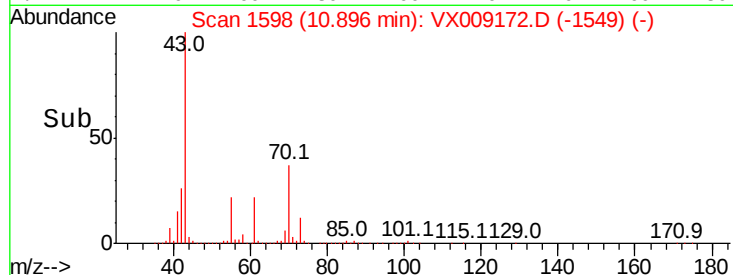
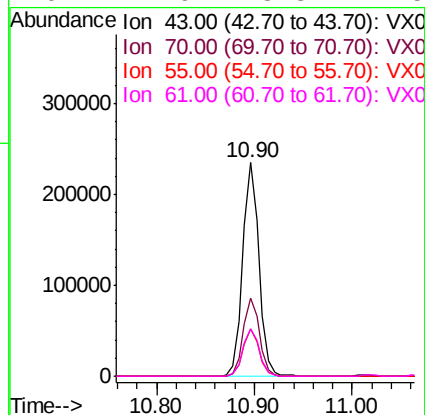
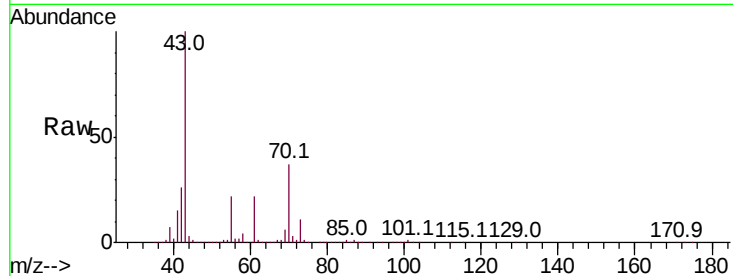
ClientSampleId :

S37-0016MS

| Tot Ion   | 43    | Resp  | 269376 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 70        | 37.0  | 29.9  | 44.9   |
| 55        | 22.1  | 17.8  | 26.8   |
| 61        | 22.6  | 18.3  | 27.5   |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.144 ug/l

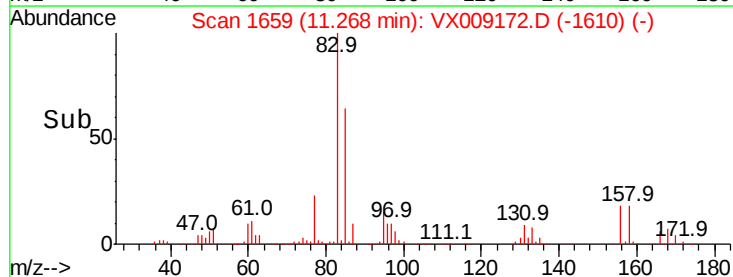
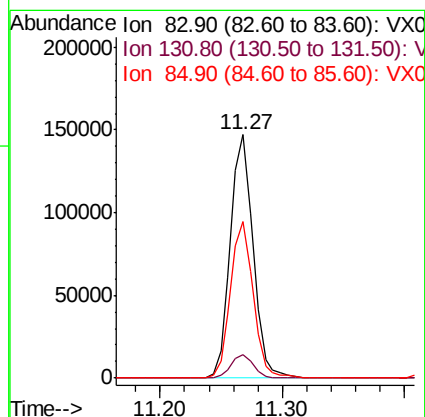
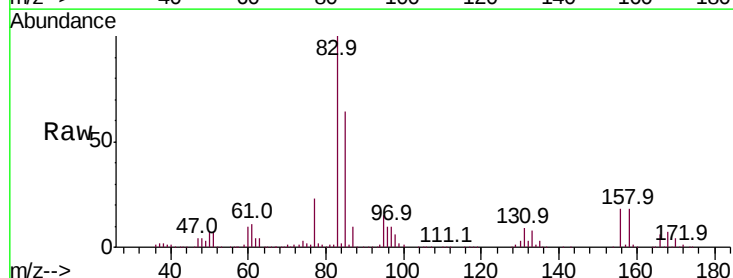
RT: 11.27 min Scan# 1659

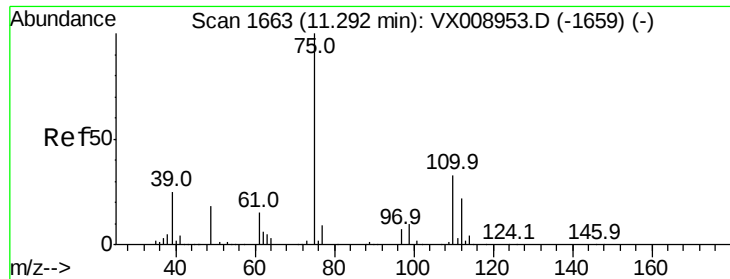
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

| Tgt Ion   | 83    | Resp  | 188732 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.4   | 4.7   | 14.0   |
| 85        | 64.4  | 31.9  | 95.9   |





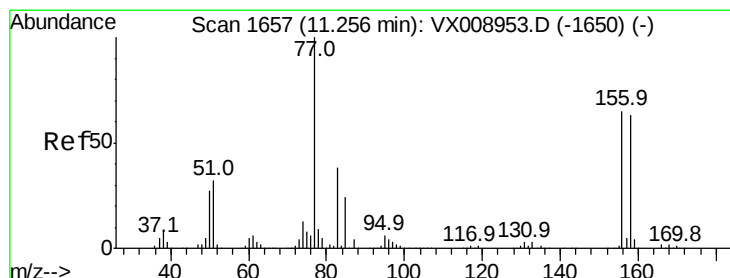
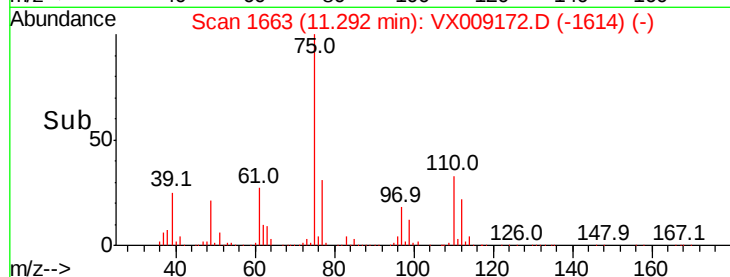
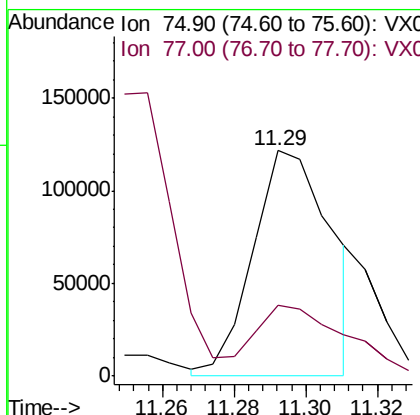
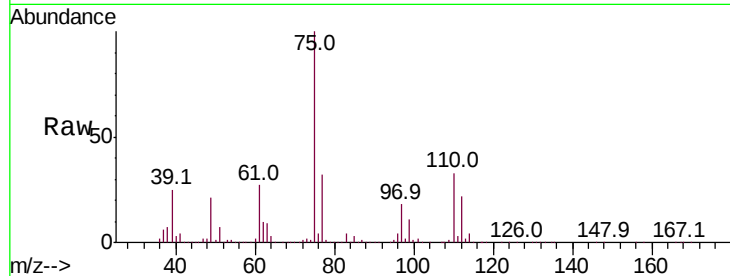
#76  
 1,2,3-Trichloropropane  
 Concen: 55.723 ug/l m  
 RT: 11.29 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

Tot Ion: 75 Resp: 184913  
 Ion Ratio Lower Upper  
 75 100  
 77 38.0 22.7 68.0

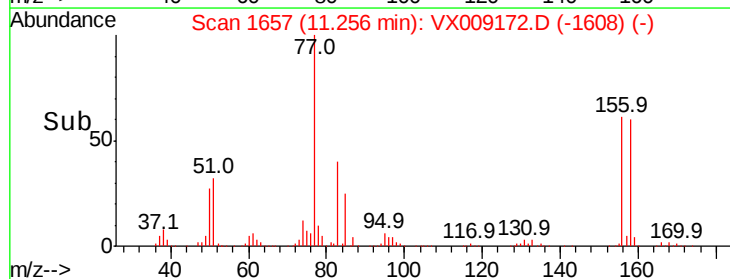
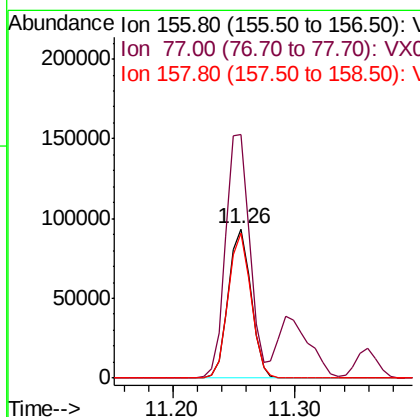
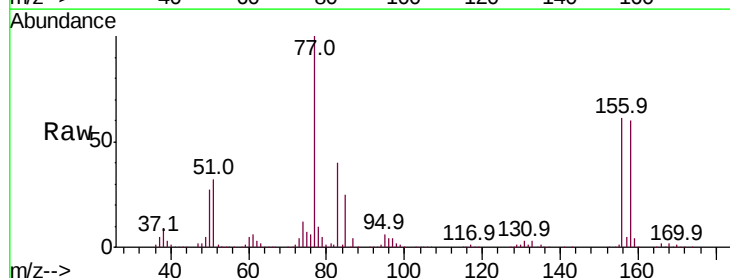
Manual Integrations  
 APPROVED

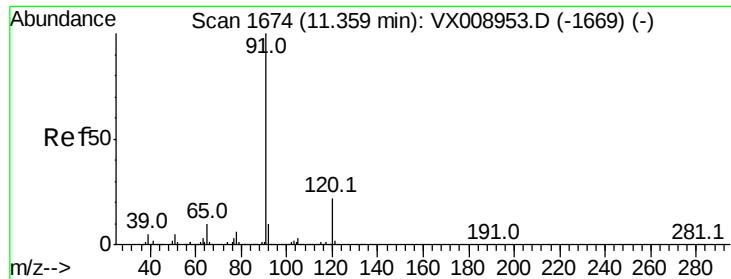
MMDadoda  
 4/26/2019 10:05:26 AM



#77  
 Bromobenzene  
 Concen: 46.059 ug/l  
 RT: 11.26 min Scan# 1657  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Tgt Ion: 156 Resp: 119708  
 Ion Ratio Lower Upper  
 156 100  
 77 173.1 85.4 256.1  
 158 97.3 48.8 146.4





#78

n-propylbenzene

Concen: 47.748 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion: 91 Resp: 564538

Ion Ratio Lower Upper

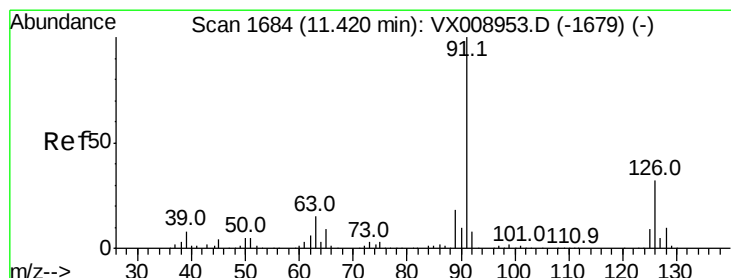
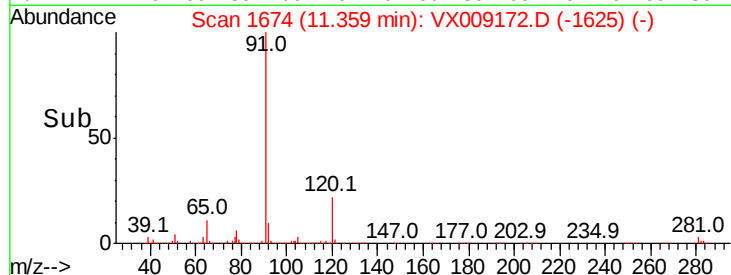
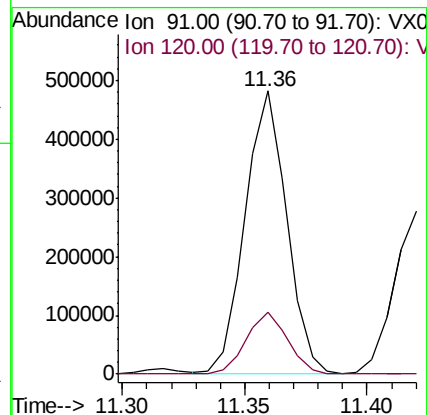
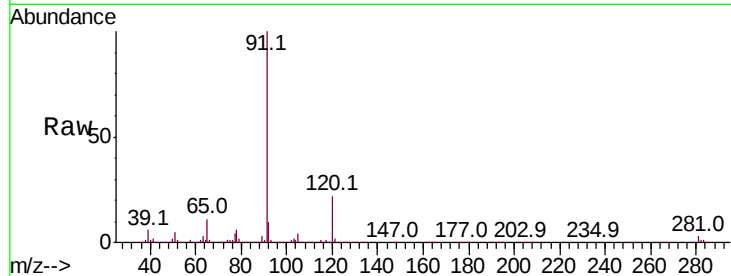
91 100

120 22.1 10.9 32.9

Manual Integrations  
APPROVED

MMdadoda

4/26/2019 10:05:26 AM



#79

2-Chlorotoluene

Concen: 47.233 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009172.D

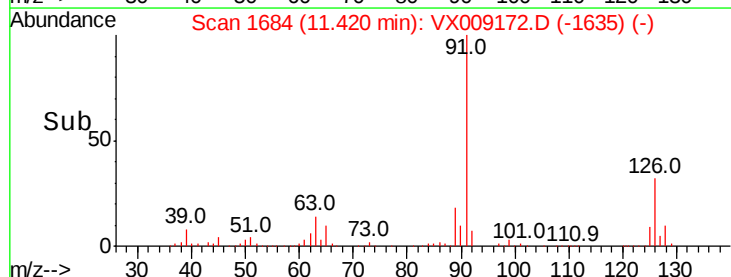
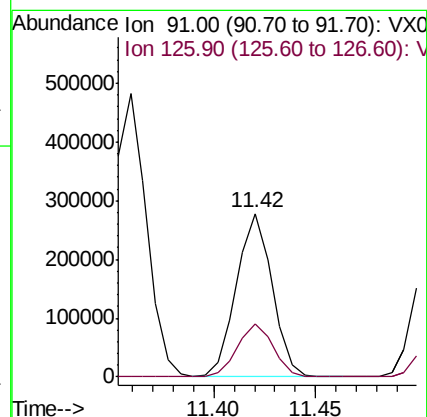
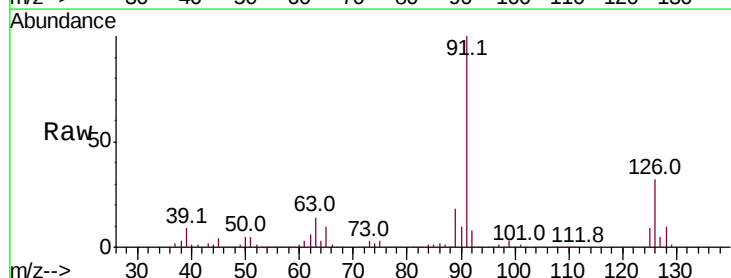
Acq: 25 Apr 2019 19:03

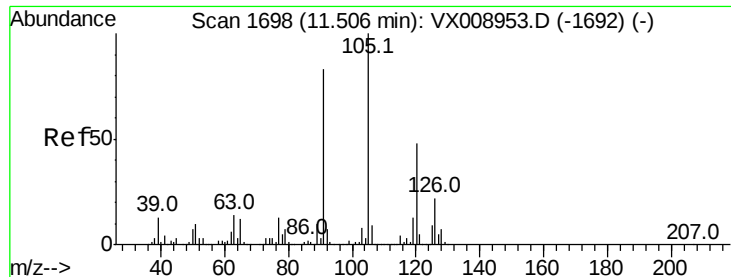
Tgt Ion: 91 Resp: 336522

Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.9





#80

1,3,5-Trimethylbenzene

Concen: 47.768 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

ClientSampleId :

S37-0016MS

Tot Ion:105 Resp: 412919

Ion Ratio Lower Upper

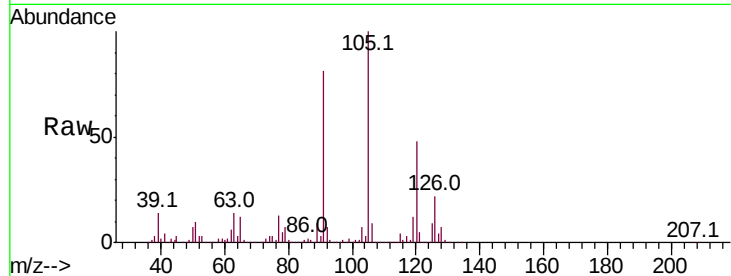
105 100

120 48.3 24.1 72.3

Manual Integrations  
APPROVED

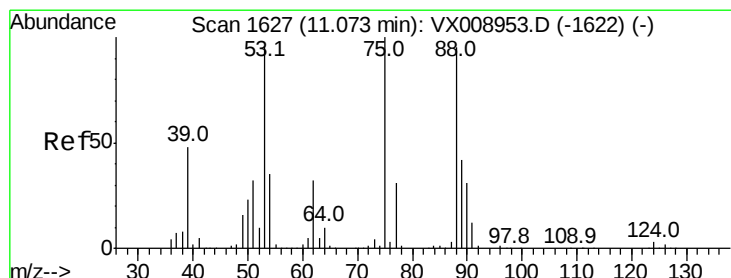
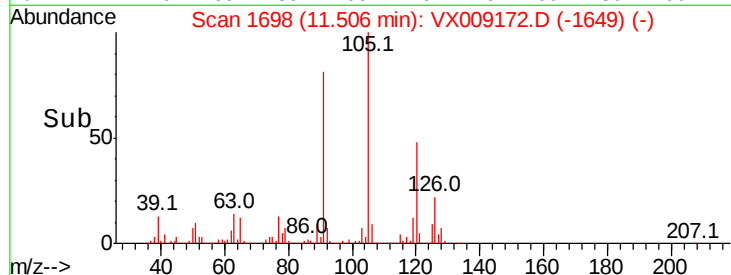
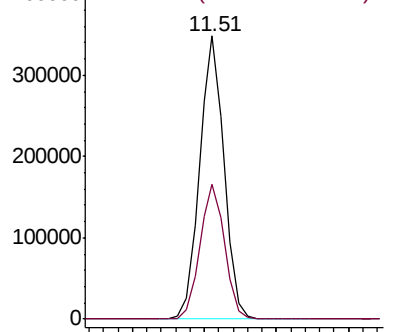
MMdadoda

4/26/2019 10:05:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 45.798 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

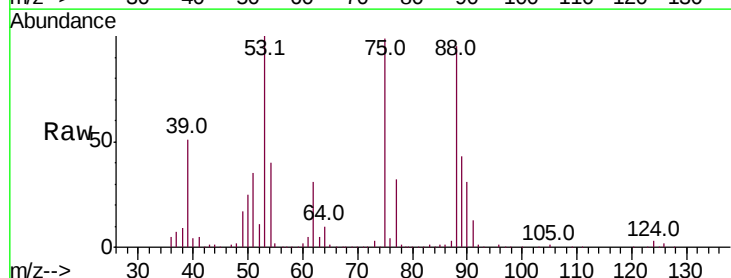
Tgt Ion: 75 Resp: 59197

Ion Ratio Lower Upper

75 100

53 103.3 78.2 117.4

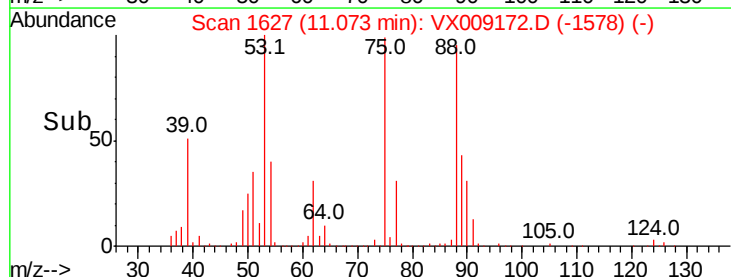
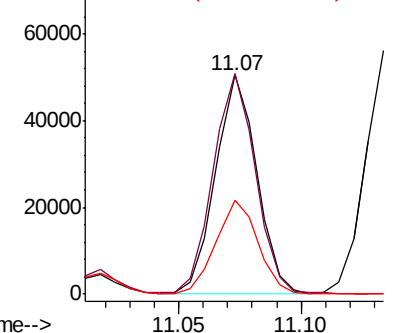
89 44.0 36.0 54.0

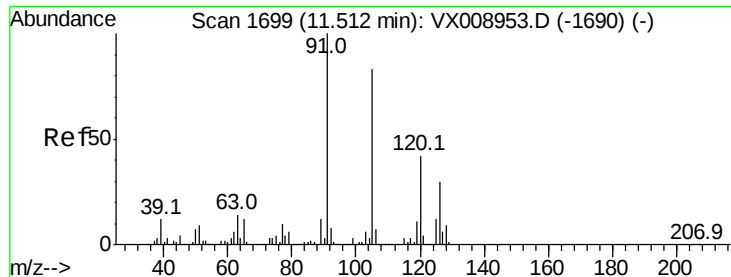


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





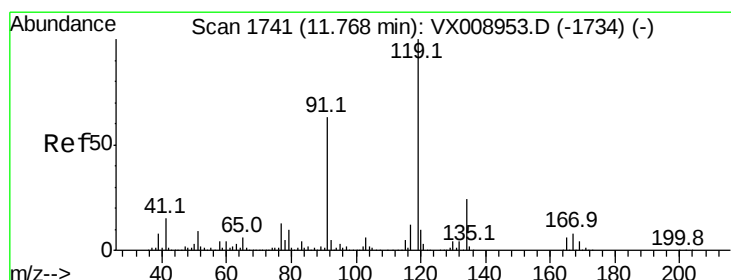
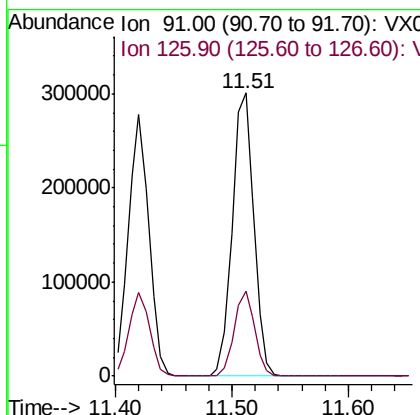
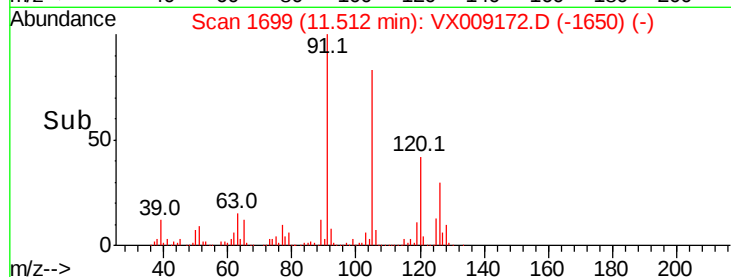
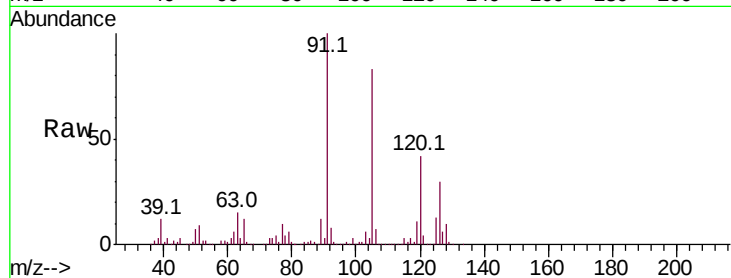
#82  
4-Chlorotoluene  
Concen: 46.995 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Tot Ion: 91 Resp: 388860  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9

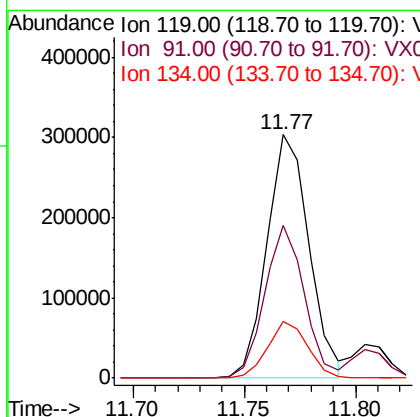
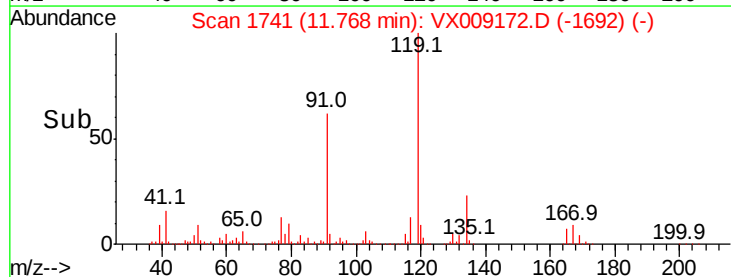
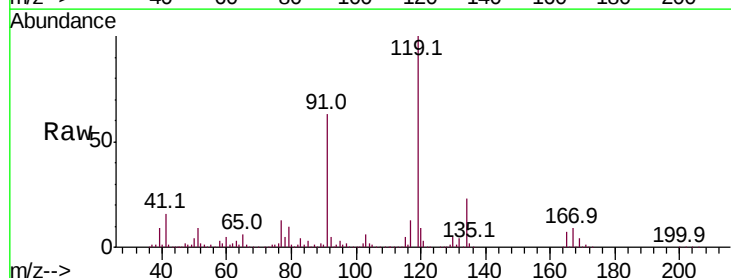
Manual Integrations  
APPROVED

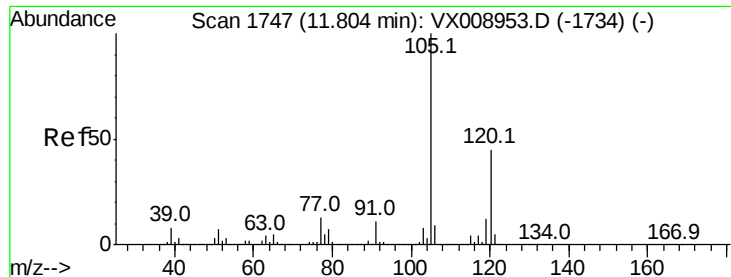
MMdadoda  
4/26/2019 10:05:26 AM



#83  
tert-Butylbenzene  
Concen: 47.947 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Tgt Ion: 119 Resp: 397922  
Ion Ratio Lower Upper  
119 100  
91 58.9 29.7 89.1  
134 22.4 11.2 33.5





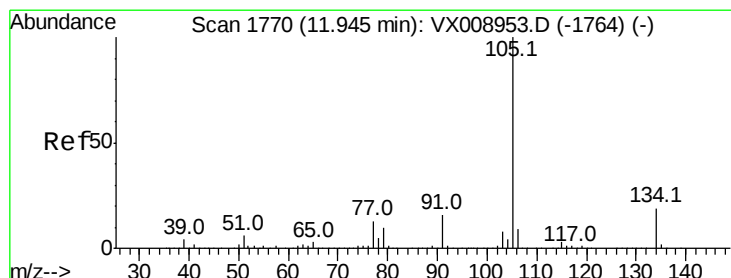
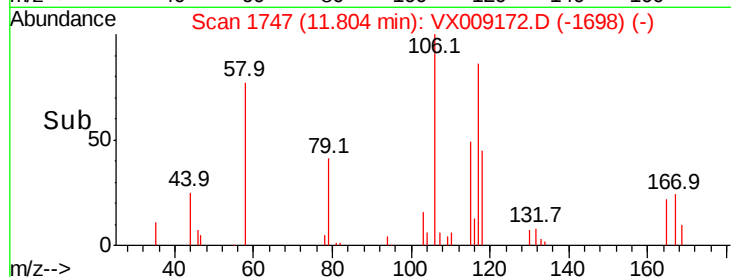
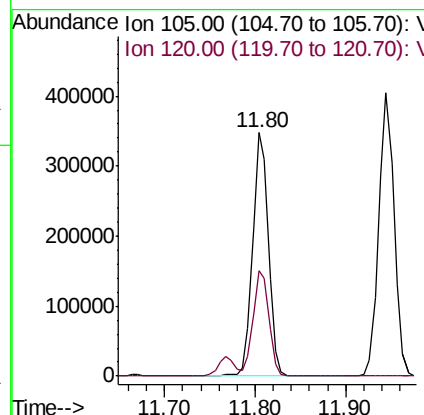
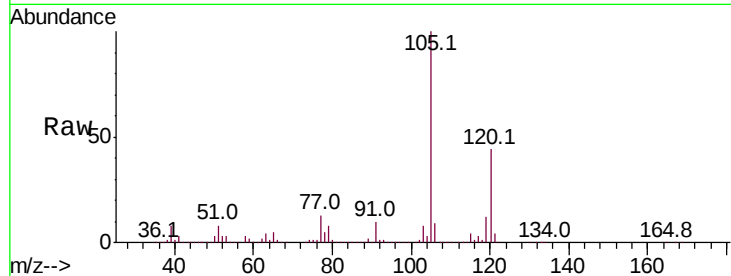
#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.536 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.4  | 21.9  | 65.8  |

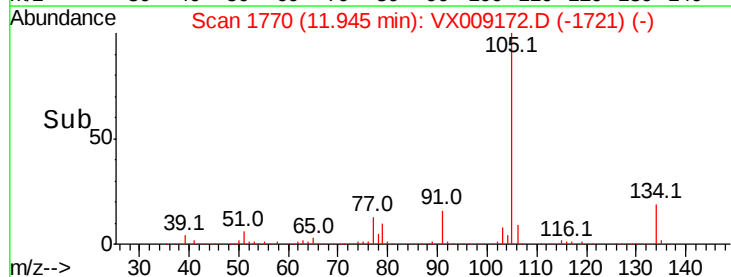
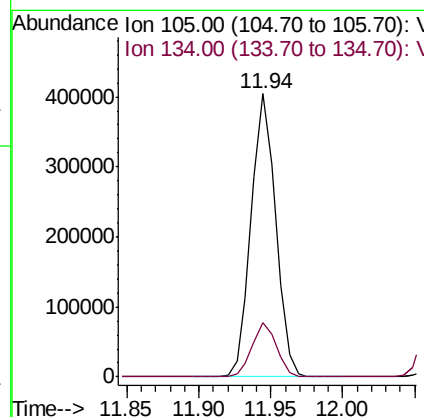
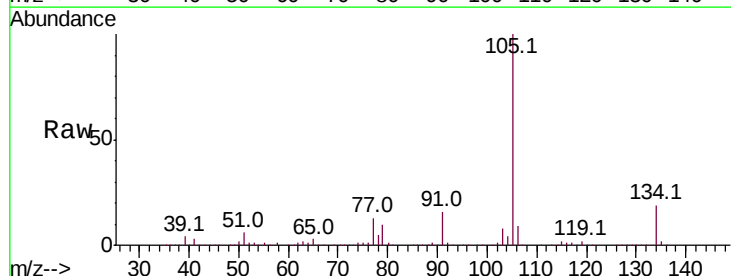
Manual Integrations  
 APPROVED

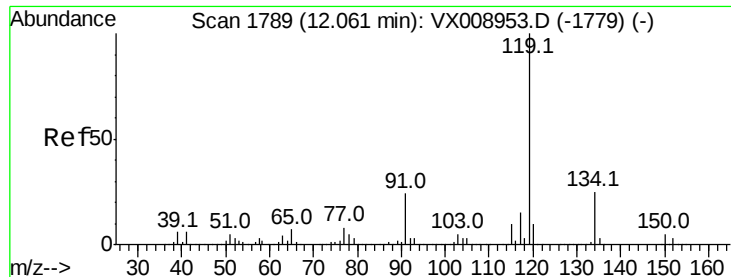
MMDadoda  
 4/26/2019 10:05:26 AM



#85  
 sec-Butylbenzene  
 Concen: 48.013 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.2  | 9.6   | 28.6  |





#86

p-Isopropyltoluene

Concen: 47.403 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

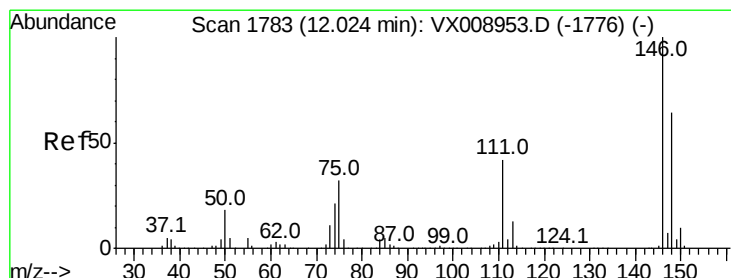
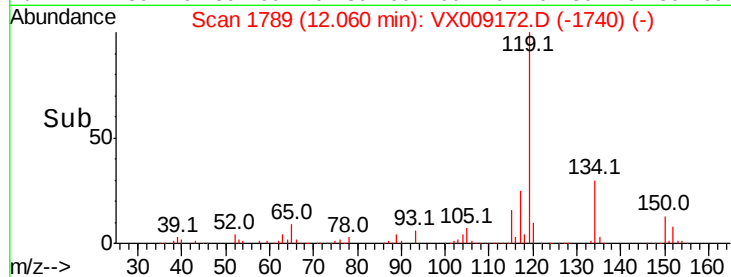
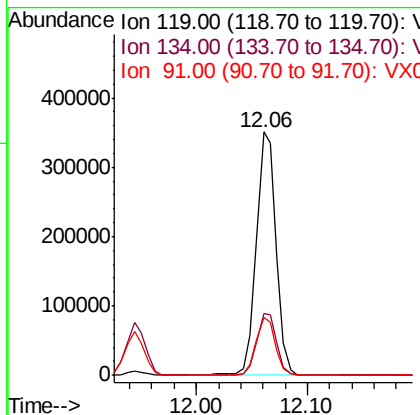
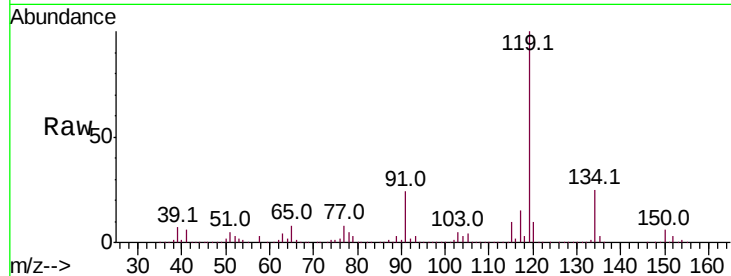
ClientSampleId :

S37-0016MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 431378 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 134       | 25.7  | 12.9  | 38.6   |
| 91        | 23.7  | 11.9  | 35.5   |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#87

1,3-Dichlorobenzene

Concen: 46.484 ug/l

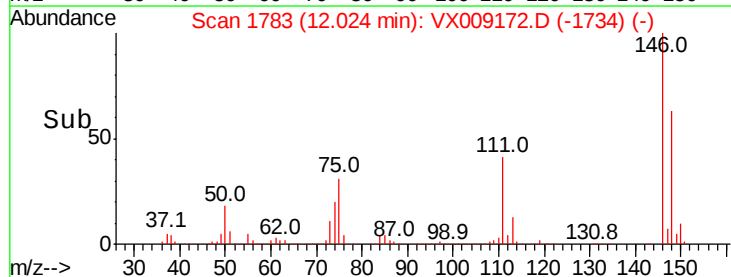
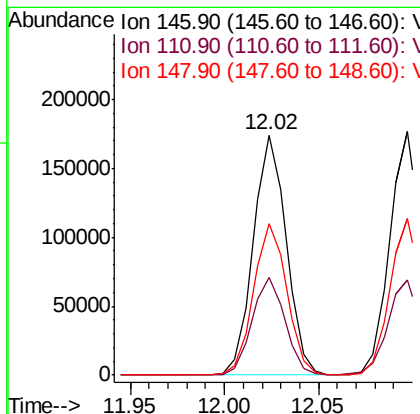
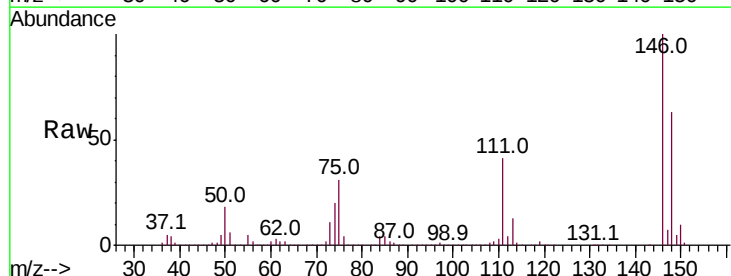
RT: 12.02 min Scan# 1783

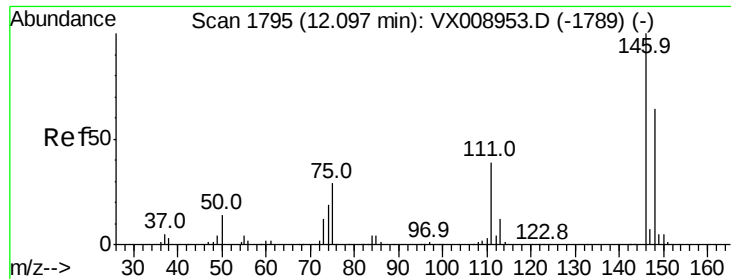
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 211452 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.9  | 20.5  | 61.6   |
| 148       | 63.7  | 32.2  | 96.6   |





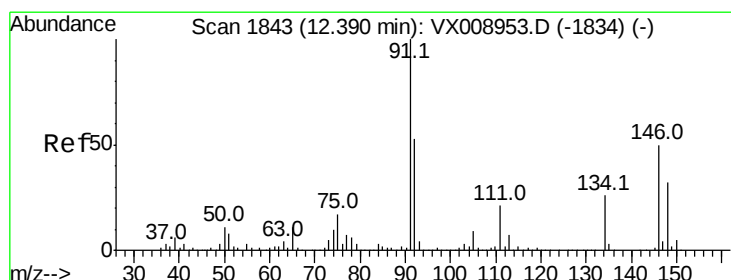
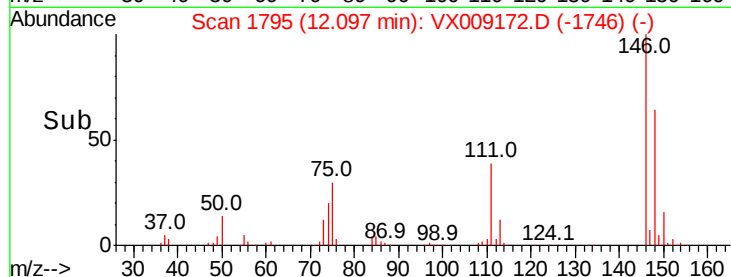
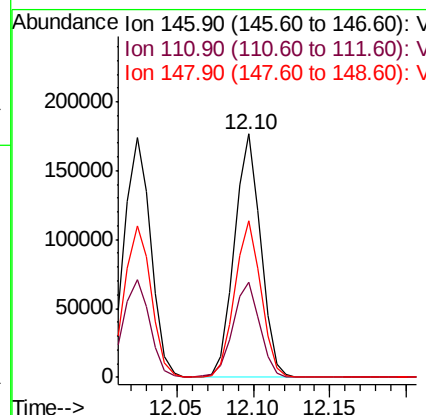
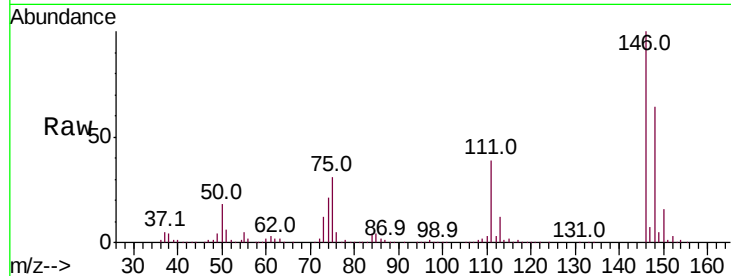
#88  
 1,4-Dichlorobenzene  
 Concen: 45.581 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 210184 |       |       |
| 111     | 40.1  | 20.0   | 59.9  |       |
| 148     | 64.4  | 32.2   | 96.6  |       |

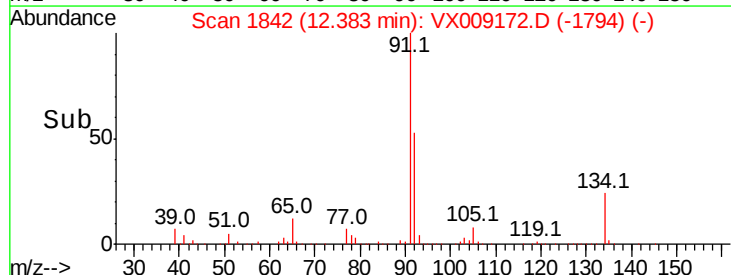
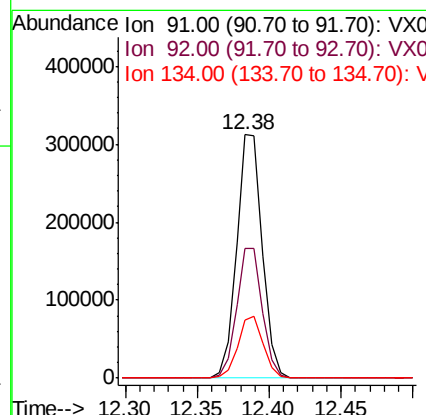
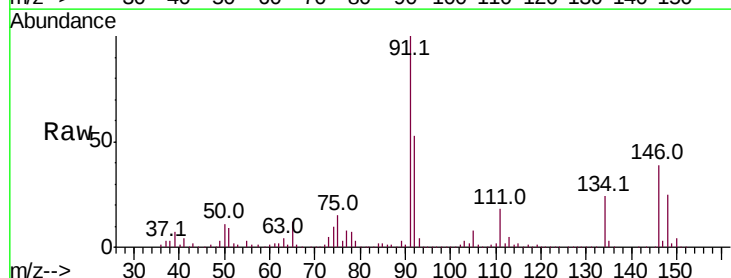
Manual Integrations  
 APPROVED

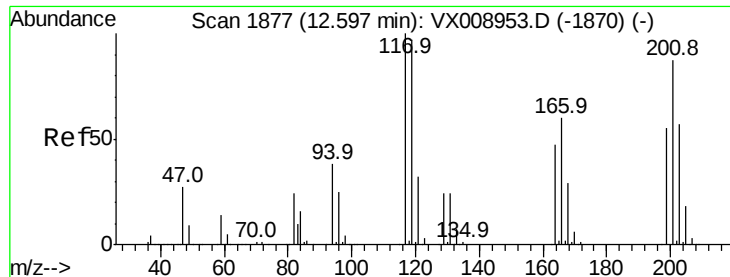
MMDadoda  
 4/26/2019 10:05:26 AM



#89  
 n-Butylbenzene  
 Concen: 45.767 ug/l  
 RT: 12.38 min Scan# 1842  
 Delta R.T. -0.01 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 387883 |       |       |
| 92      | 53.4  | 26.6   | 79.8  |       |
| 134     | 25.0  | 12.4   | 37.2  |       |





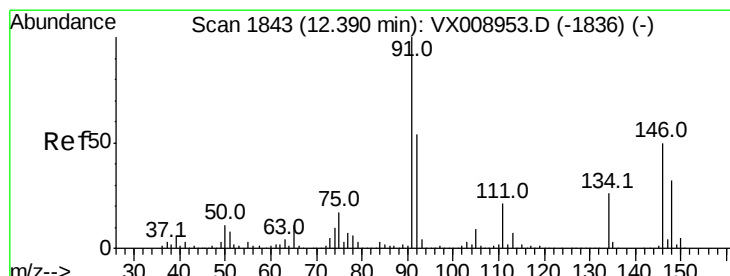
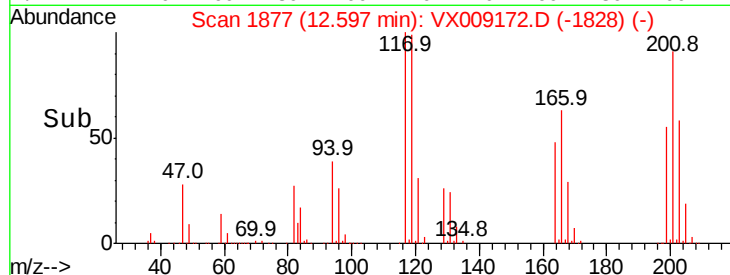
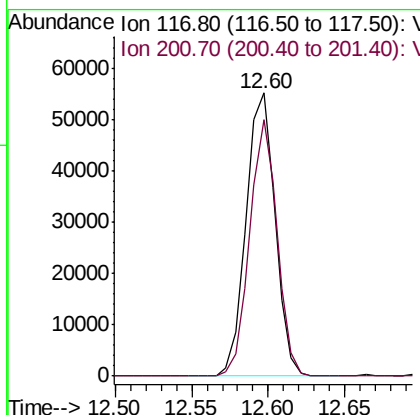
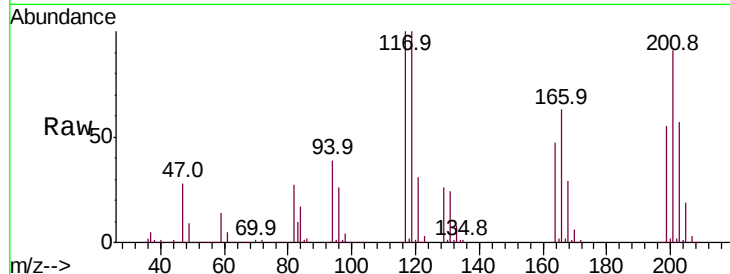
#90  
Hexachloroethane  
Concen: 48.481 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
S37-0016MS

Tot Ion:117 Resp: 72776  
Ion Ratio Lower Upper  
117 100  
201 85.6 43.0 129.0

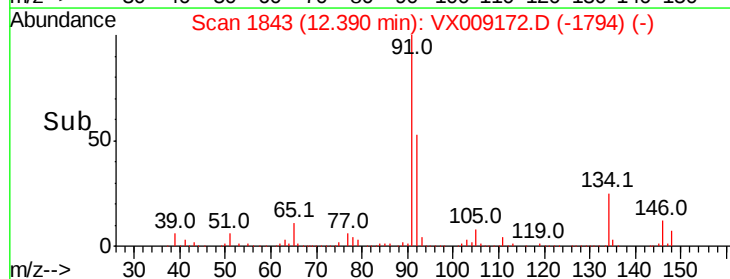
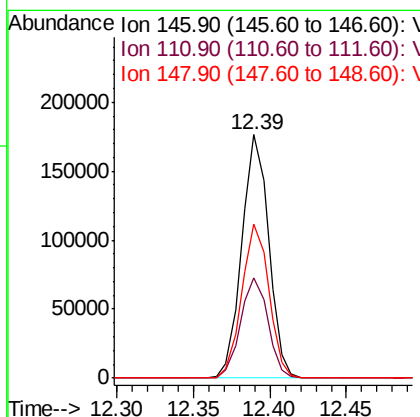
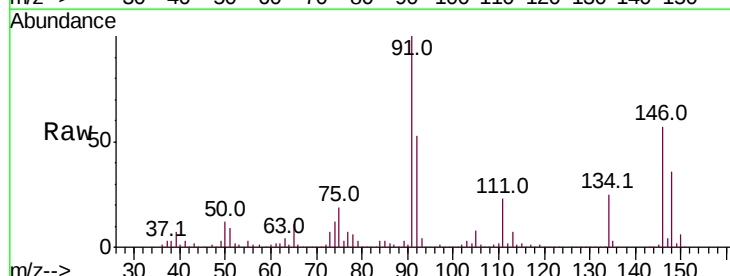
Manual Integrations  
APPROVED

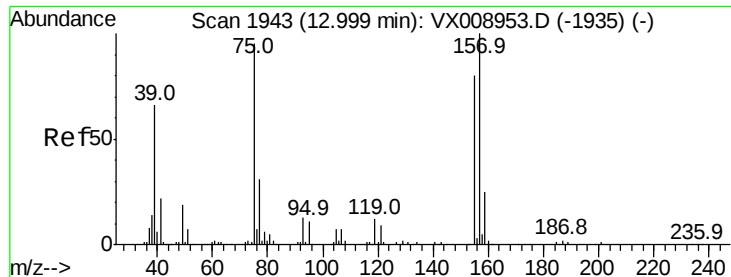
MMdadoda  
4/26/2019 10:05:26 AM



#91  
1,2-Dichlorobenzene  
Concen: 48.129 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX009172.D  
Acq: 25 Apr 2019 19:03

Tgt Ion:146 Resp: 216190  
Ion Ratio Lower Upper  
146 100  
111 41.5 20.6 61.9  
148 63.6 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.276 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

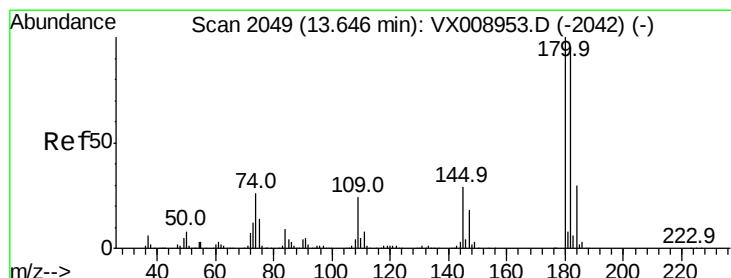
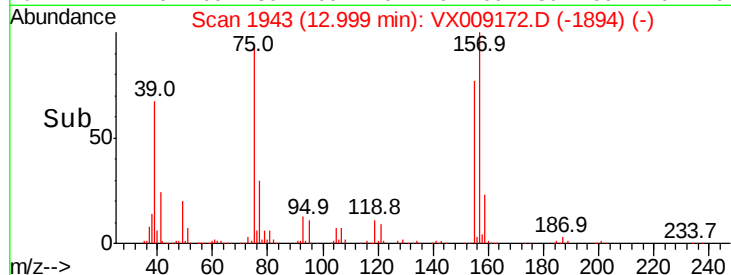
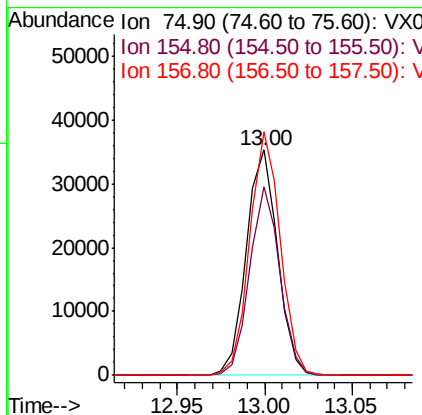
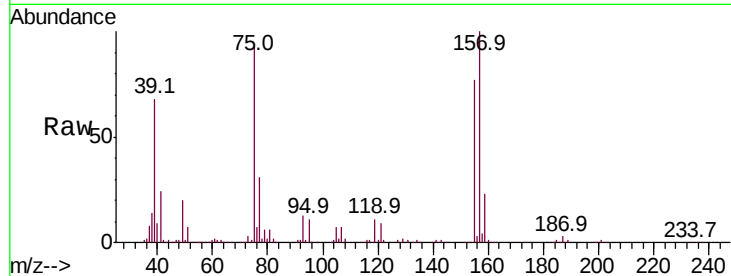
ClientSampleId :

S37-0016MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.5  | 41.2  | 123.6 |
| 157     | 105.7 | 52.5  | 157.6 |

Manual Integrations  
APPROVED

MMDadoda  
4/26/2019 10:05:26 AM



#93

1,2,4-Trichlorobenzene

Concen: 45.942 ug/l

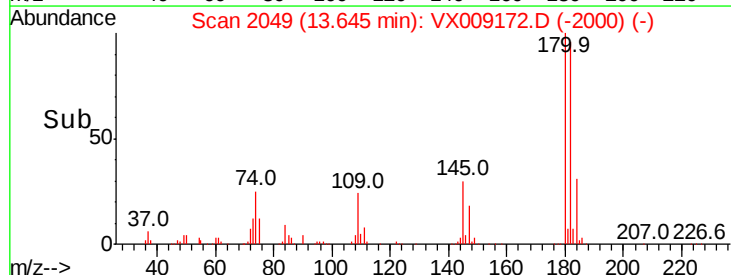
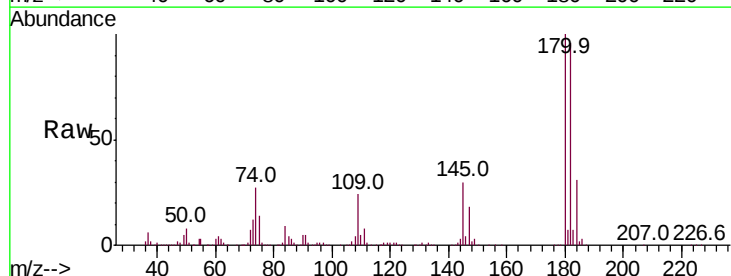
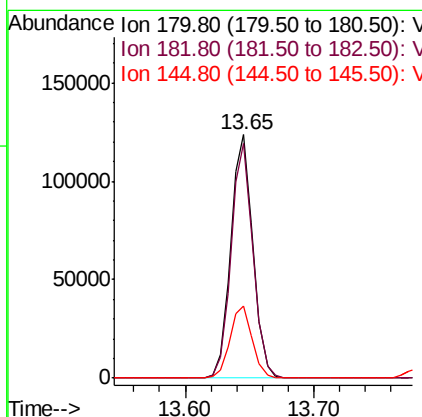
RT: 13.65 min Scan# 2049

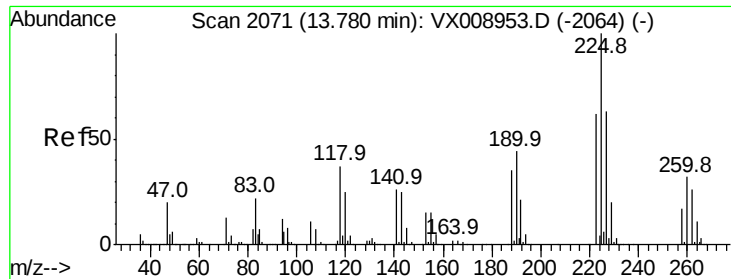
Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.6  | 142.9 |
| 145     | 29.8  | 14.8  | 44.4  |





#94

Hexachlorobutadiene

Concen: 45.776 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009172.D

Acq: 25 Apr 2019 19:03

Instrument :

MSVOA\_X

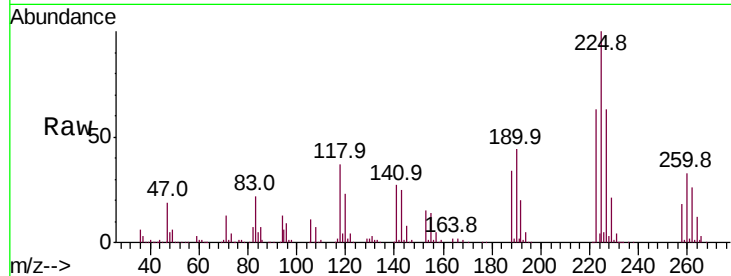
ClientSampleId :

S37-0016MS

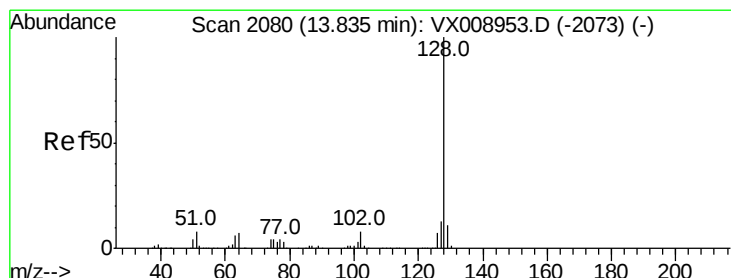
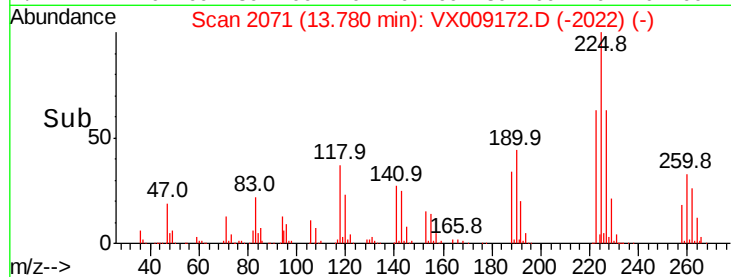
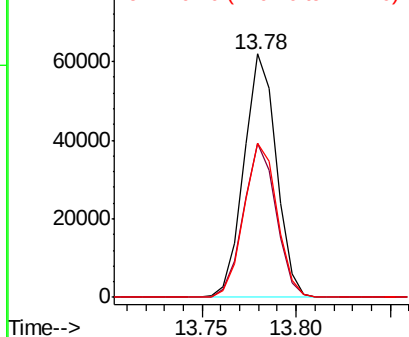
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 74030 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.3  | 31.1  | 93.2  |
| 227       | 64.7  | 32.0  | 96.2  |

Manual Integrations  
APPROVED

MMdadoda  
4/26/2019 10:05:26 AM



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: 48.662 ug/l

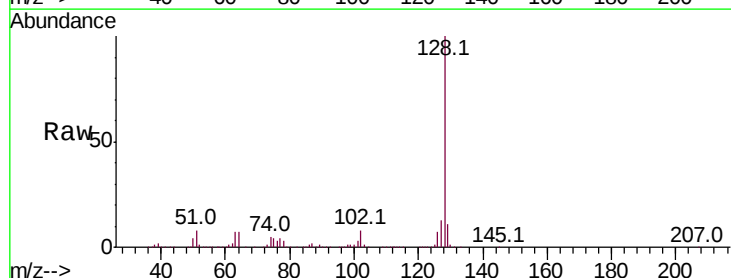
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

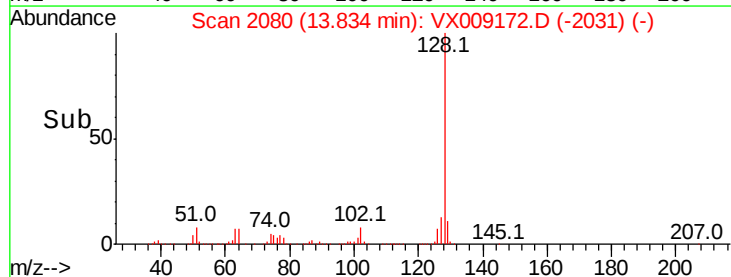
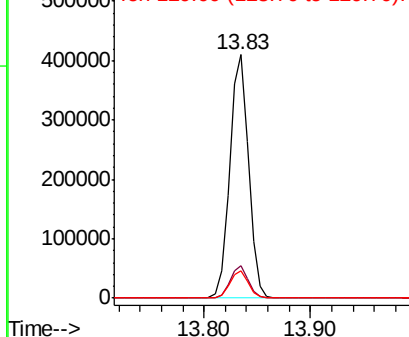
Lab File: VX009172.D

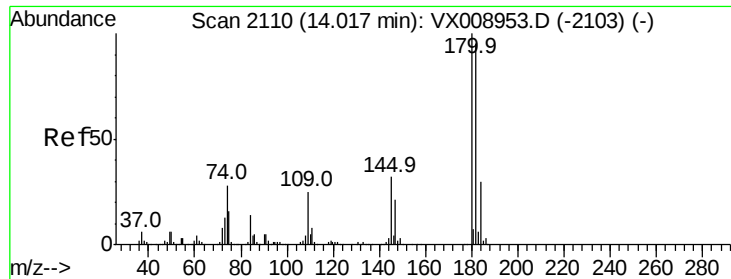
Acq: 25 Apr 2019 19:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 505531 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.6  | 16.0   |
| 129       | 10.9  | 8.6   | 13.0   |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 47.066 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. -0.00 min  
 Lab File: VX009172.D  
 Acq: 25 Apr 2019 19:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S37-0016MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.1  | 47.8       | 143.4      |
| 145     | 31.8  | 15.8       | 47.3       |

Manual Integrations  
 APPROVED

MMDadoda  
 4/26/2019 10:05:26 AM

